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COA #0 278 Florida Certificate of Product Approval #FL1999 01/03/2024 Alpine, an ITW Company 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 Phone: (800)755-6001 www.alpineitw.com

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 23-0405
Job Description: Crapps	
Address: FL	

Job Engineering Criteria:					
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.01A				
	JRef #: 1XW62150001				
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40.00				
Building Type: Closed					

This package contains general notes pages, 48 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	003.24.1438.41953	A1
3	003.24.1439.01170	A2
5	003.24.1439.05500	B2
7	003.24.1439.22687	C1
9	003.24.1439.38780	C2
11	003.24.1439.52287	C3E
13	003.24.1440.09370	D2
15	003.24.1440.24220	D3E
17	003.24.1441.07457	G1
19	003.24.1441.24480	H1
21	003.24.1441.47300	HJ1
23	003.24.1441.51967	J1
25	003.24.1441.55187	J3
27	003.24.1442.02487	J5
29	003.24.1442.06120	J7
31	003.24.1442.09490	K1
33	003.24.1442.17530	K2
35	003.24.1442.20667	M1
37	003.24.1442.27493	P1
39	003.24.1442.49810	P2E
41	003.24.1442.56353	P3E
43	003.24.1442.59943	V2
45	003.24.1443.03223	V4
47	003.24.1443.23530	V6
49	BRCLBSUB0119	

Item	Drawing Number	Truss
2	003.24.1438.50733	A1E
4	003.24.1439.03310	B1
6	003.24.1439.16753	B3E
8	003.24.1439.31030	C1E
10	003.24.1439.42357	C3
12	003.24.1440.03583	D1
14	003.24.1440.17480	D3
16	003.24.1441.05223	FT1
18	003.24.1441.13470	G1E
20	003.24.1441.42770	H1G
22	003.24.1441.50100	HJ2
24	003.24.1441.53340	J1A
26	003.24.1441.56503	J3A
28	003.24.1442.04493	J5A
30	003.24.1442.07693	J7A
32	003.24.1442.12773	K1E
34	003.24.1442.19190	К3
36	003.24.1442.22993	M1E
38	003.24.1442.44503	P1E
40	003.24.1442.53240	P3
42	003.24.1442.58607	V1
44	003.24.1443.01777	V3
46	003.24.1443.21930	V5
48	003.24.1443.27143	V7
50	PB160220723	



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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 23-0405	
Job Description: Crapps		
Address: FL		

Item	Drawing Number	Truss	Item	Drawing
51	VAL180220723		52	VALTN2

Item	Drawing Number	Truss
52	VALTN220723	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 596143 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T2 FROM: RFG Qty: 6 DrwNo: 003.24.1438.41953 Crapps Truss Label: A1 GA / DF 01/03/2024 12'7"8 18'8' 24'8"8 30'9" 37'4" 6'7 6'0"8 6'0"8 6'0"8 6'0"8 **∌3X4** /// 2X4 Q ≡3X4 \equiv $\frac{M}{8000}$ = P ≡H0308 N ≡4X4 ±4X6(A2) =3X̄4

-1 '6	" - - 7'9"8 - -	7'3" 15'0"8	-	"3" 2'3"8	-	7'3" 29'6"8		+		7'9"8 37'4"	-+	1'6"
Loading Criteria (psf)	Wind Criteria	Snow Criteria (P	g,Pf in PSF)	Defl/CSI C	riteria			▲ M	laximu	ım React	ions (lb:	s)
	Wind Std: ASCE 7-22 Speed: 130 mph	Pg: NA Ct: NA	-	PP Deflecti VERT(LL):				Loc	_	ravity / R-	/ Rh	/
BCLL: 0.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA		VERT(CL):	0.375 N	999	240	-	1829		<i> -</i>	/9
Des I d: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Snow Duration: NA	1	HORZ(LL): HORZ(TL):			-			tions bas		
l	prican ricigni. 15.00 it	Duilding Code:		Croop Foot	or: 2 0			I R	Bra W	Vid = 40	Min Re	en :

Building Code:

WAVE, HS

FBC 8th Ed. 2023 Res. Max TC CSI: 0.497 TPI Std: 2014 Max BC CSI: 0.926 MWFRS Parallel Dist: 0 to h/2 Rep Fac: Yes Max Web CSI: 0.550 FT/RT:20(0)/10(0) Plate Type(s):

Creep Factor: 2.0

VIEW Ver: 23.02.01A.1204.18

37'4

Lumber

Soffit:

NCBCLL: 10.00

Spacing: 24.0 "

Load Duration: 1.25

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

2.00

Loading

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

TCDL: 5.0 psf

BCDL: 5.0 psf

C&C Dist a: 3.73 ft

Wind Duration: 1.60

Loc. from endwall: Any

GCpi: 0.18

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

Non-Gravity /Rh /Rw /U /RL /988 /291 /288 /988 /291 /based on MWFRS Brg Wid = 4.0Min Reg = 2.2 (Truss) Brg Wid = 4.0 Min Req = 2.2 (Truss) Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords 515 - 3255 509 - 2476 C - D 540 - 3117 G-H 562 - 3071 D-E 562 - 3071 H - I 540 - 3117 509 - 2476 515 - 3255

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	comp.	Chords	Tens. (Comp.
B - Q	2832	- 365	N - M	2361	- 229
Q-P	2361	- 229	M - L	2361	- 229
P - O	2361	- 229	L-J	2832	- 365
O - N	1796	-86			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
Q - E E - O	589 - 117 236 - 613	F - N N - G	945 - 159 236 - 613
0 - F	945 - 159	G-L	589 - 117



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WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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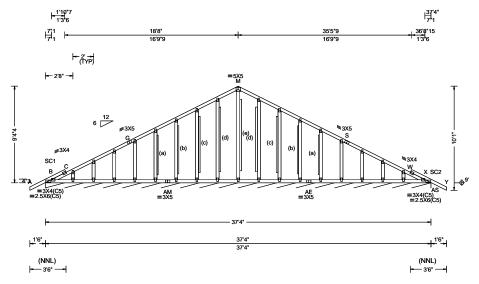
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installiers shall provide temporary bracing per BCSI.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

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

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



SEQN: 595880 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T6 FROM: RFG Qty: 1 DrwNo: 003.24.1438.50733 Crapps Page 1 of 2 Truss Label: A1E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	1
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 M 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 N 999 240	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 P	١
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: 3.73 ft Loc. from endwall: Any	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	HORZ(TL): 0.008 P Creep Factor: 2.0 Max TC CSI: 0.282 Max BC CSI: 0.056 Max Web CSI: 0.914	E
	GCpi: 0.18	Plate Type(s):	\(\(\text{\tin}\text{\ticl{\text{\tex{\tex	1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	1
Lumber		Additional Notes		

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R-/Rw /U /RL AS*126 /-/-/49 /18 Wind reactions based on MWFRS AS Brg Wid = 448 Min Req = Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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/358.

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



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

SEQN: 595880 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T6 FROM: RFG DrwNo: 003.24.1438.50733 Qty: 1 Crapps Page 2 of 2 Truss Label: A1E GA / DF 01/03/2024

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (c) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.)

nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(d) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the

first 18" and then 4" oc for the remainder. (e) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



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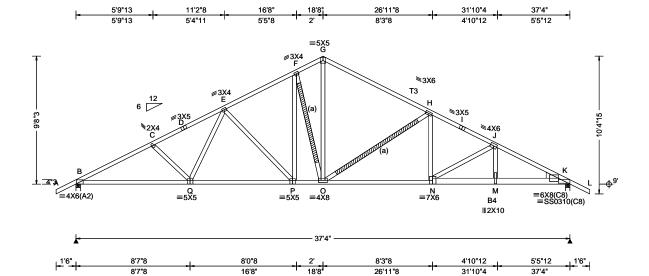
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 595944 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T13 FROM: RFG DrwNo: 003.24.1439.01170 Qty: 1 Crapps Truss Label: A2 GA / DF 01/03/2024



TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.204 P 999 3	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
GCpi: 0.18	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind 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: 3.73 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. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.204 P 999 360 VERT(CL): 0.412 P 999 240 HORZ(LL): 0.078 K HORZ(TL): 0.157 K Creep Factor: 2.0 Max TC CSI: 0.885 Max BC CSI: 0.971

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3;

Rt Wedge: 2x6 SP 2400f-2.0E;

Bracing

(a) #3 or better scab reinforcement. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

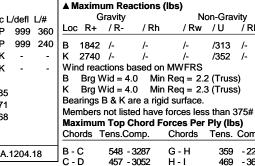
Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From BC: From 62 plf at 4 plf at 62 plf at 4 plf at -1.50 to 38.83 -1.50 to 0.00 BC: From 20 plf at 0.00 to 20 plf at 37.33 4 plf at 4 plf at 37.33 to BC: From BC: 1306 lb Conc. Load at 31.40

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 9-8-3.



C - D	457 - 3052	H - I	469	- 3649
D-E	431 - 2986	I-J	496	- 3717
E-F	375 - 2426	J - K	618	- 5334
F-G	313 - 2154			

/RL

/313 /-

Tens. Comp.

359 - 2281

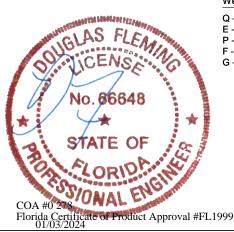
/352 /-

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp	
B-Q	2867	- 461	O - N	3237	- 427
Q-P	2509	- 391	N - M	4679	- 528
P - O	2079	- 305	M - K	4706	- 528

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.		
Q-E	462	0	O - H	175	- 1557	
E-P	125	- 609	H - N	1078	0	
P - F	526	- 53	N - J	118	- 1623	
F-0	99	- 585	J - M	1310	- 13	
G - O	1533	- 133				



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

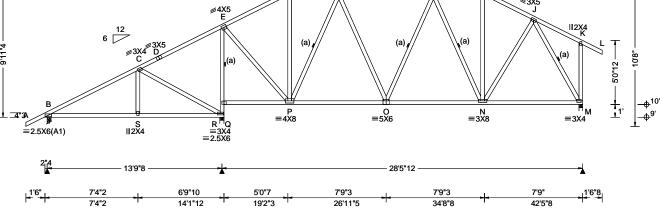
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595777 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T40 FROM: RFG Qty: 2 DrwNo: 003.24.1439.03310 Crapps Truss Label: B1 GA / DF 01/03/2024 42'5"8_ 7'4"2 14'1"12 19'2"3 23'2"8 30'8"3 34'8"8 38'7" 7'4"2 6'9"10 5'0"7 4'0"5 7'5"11 4'0"5 3'10"8 3'10"8 ≅5X5 ≢5<u>X</u>6 **≷3X**5 ∥2X4



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.047 O 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 O 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 M	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 M	
NCBCLL: 10.00	Mean Height: 15.71 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.566	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.838	
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: Yes	Max Web CSI: 0.753	
'	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	I
Lumber				-

	▲ Maximum Reactions (lbs)							
		G	avity		No	n-Gra	avity	
)	Loc	R+	/ R-	/Rh	/ Rw	/U	/ RL	
)	В	646	/-	/-	/365	/71	/396	
	R	2003	/-	/-	/1192	/1	/-	
	М	1515	/-	/-	/792	/-	/-	
	Wind reactions based on MWFRS							
	В	Brg V	Vid = 3.5	Min	Req = 1.5	(Trus	ss)	
	R	Brg V	Vid = 4.0	Min	Req = 2.4	(Trus	ss)	
	М	Brg V	Vid = 3.5	Min	Req = 1.8	(Trus	ss)	
	Bea	arings	B, R, & N	1 are a	rigid surfa	ce.		
	Members not listed have forces less than 375#							
_	Max	ximun	n Top Ch	ord Fo	orces Per	Ply (II	os)	
	Cho	ords ⁻	Tens.Con	np.	Chords	Tens	. Ćomp.	

B - C - 1150 241 - 682 G - H E-F 96 - 850 H - I 19 - 965 F-G 98 - 695 11 - 1133

Top chord: 2x4 SP #2;

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

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

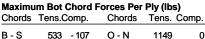
Right end vertical not exposed to wind pressure.

Left 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



S - R 529 - 109 N - M 680 - 41 P - O 1014

Maximum web Forces Per Ply (lbs)									
Webs	Tens.Co	mp.	Webs	Tens.	Comp.				
C-R	96 -	683	P-G	0	- 791				
R-Q	0 -	1618	H - N	0	- 449				
Q-E	0 -	1589	N - J	535	0				
E - P	1097	0	J - M	0	- 1369				



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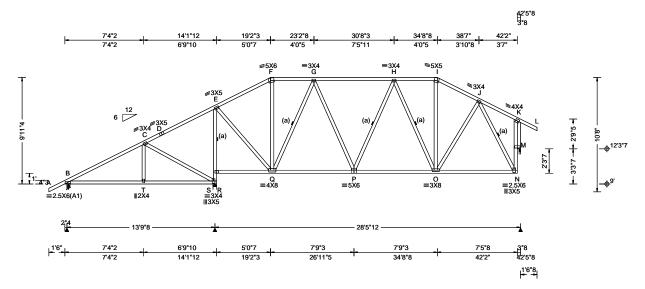
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SEQN: 595781 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T11 FROM: RFG Qty: 1 DrwNo: 003.24.1439.05500 Crapps Truss Label: B2 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.25 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.038 H 999 360 VERT(CL): 0.076 H 999 240 HORZ(LL): 0.010 N HORZ(TL): 0.021 N Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.593 Max Web CSI: 0.753	Gravity Loc R+ /R- /Rh /
Lumber				B-C 0-685 G-F

Gravity			•	Non-Gravity			
Loc	: R+	/ R-	/ Rh	/Rw	/ U	/ RL	
В	648	/-	/-	/387	/-	/294	
s	1809	/-	/-	/1154	/205	/-	
М	1260	/-	/-	/761	/95	/-	
Wir	nd read	tions ba	sed on M	WFRS			
В	Brg V	/id = 3.5	Min R	eq = 1.5	(Truss	s)	
S	Brg V	/id = 4.0	Min R	eq = 2.1	(Truss	s)	
М	Brg V	/id = 1.5	Min R	eq = 1.5	(Supp	ort)	
Bea	arings I	3, S, & N	1 are a riç	gid surfa	ce.		
Mei	Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)							
Cho	ords T	ens.Con	np. C	hords	Tens.	Comp.	

B - C -910 0 - 685 G - H 163 E-F 114 - 704 H - I 125 - 764 F-G 134 120 - 563 -911

Top chord: 2x4 SP #2;

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

Rt Bearing Leg: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

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

Right end vertical not exposed to wind pressure.

Left 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



Maximum Bot Chord Forces Per Plv (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.	
B - T	536	-90	P - O	928	- 103	
T-S	532	- 91	O - N	552	- 32	
Q - P	826	- 98				

Maximum Web Forces Per Ply (lbs)

rens.comp.	webs	rens. Comp.	
92 - 683	H-0	140 - 400	
187 - 1424	O - J	399 - 25	
207 - 1380	J - N	76 - 1084	
907 - 67	M - N	1023 - 36	
139 - 657	K - M	1058 - 991	
	92 - 683 187 - 1424 207 - 1380 907 - 67	92 - 683 H - O 187 - 1424 O - J 207 - 1380 J - N 907 - 67 M - N	92 - 683 H - O 140 - 400 187 - 1424 O - J 399 - 25 207 - 1380 J - N 76 - 1084 907 - 67 M - N 1023 - 36

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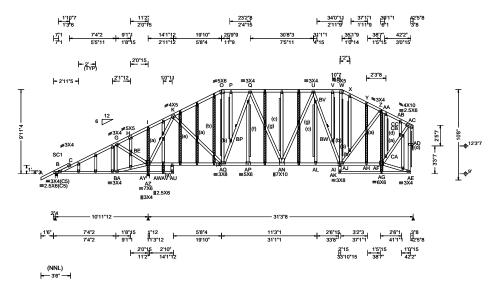
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 595803 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T10 FROM: RFG Qty: 1 DrwNo: 003.24.1439.16753 Crapps Page 1 of 2 Truss Label: B3E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.081 BD 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.168 BD 771 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.034 D
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.070 D
NCBCLL: 10.00	Mean Height: 15.71 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.490
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.401
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: Yes	Max Web CSI: 0.990
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 424 /240 /317 AZ 1993 /-/-/1274 /86 /-AD 1235 /-/715 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) AZ Brg Wid = 4.0 Min Req = 2.0 (Truss) AD Brg Wid = 1.5 Min Req = 1.5 (Support) Bearings B, AZ, & AD 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.

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Rt Bearing Leg: 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.

Wind loads based on MWFRS.

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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/378.

Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)

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



G - H - 878 H - I 605 -72 W - X 19 - 960 I-K X - Y 7 - 1009 629 - 39 K - O 9 - 1006 Y - 7 O - 1013 0 - P 14 - 829 Z-AA 30 - 723 P - Q 14 - 828 AA-AB 29 - 749 Q - U 0 - 1082 AB-AC 16 -731 U - V - 877

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
AY-AW	382	- 48	AL-AJ	1025	0
AW-AV	382	- 48	AJ-AI	1020	0
AQ-AP	992	0	Al-AH	663	0
AP-AN	993	0	AH-AF	668	0
AN-AI	1027	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.	
G -BE	147 - 584	BV-BW	0	- 435	
BE-AY	150 - 577	BW-AI	0	- 424	
AY-AZ	137 - 1967	Z-AF	0	- 543	
AY- K	0 - 1687	AF-CA	974	0	
K -AQ	723 0	CA-CB	1011	0	
AQ-BP	0 -487	CB-CC	1082	0	
BP- Q	0 -496	CC-AC	1023	0	
U -BV	0 - 378	AC-AD	126	- 949	

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SEQN: 595803 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T10 DrwNo: 003.24.1439.16753 FROM: RFG Qty: 1 Crapps Page 2 of 2 Truss Label: B3E GA / DF 01/03/2024

Gable Reinforcement

(a) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(b) 1x4 SP/DF #2 or better "L" reinforcement. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4"

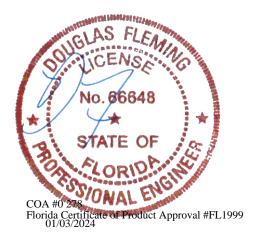
oc for the remainder. (c) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(d) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(e) 2x3 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each

(f) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(g) 2x4 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.



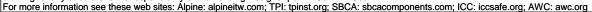
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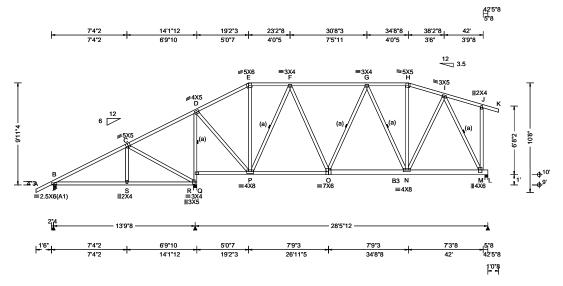
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SEQN: 595985 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T5 Qty: 2 FROM: RFG DrwNo: 003.24.1439.22687 Crapps Truss Label: C1 / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	T
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.059 G 999 360	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.106 G 999 240	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 E	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.022 E	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.554	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.694	
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: No	Max Web CSI: 0.941	
' •	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
	•	•	•	-

ı	umber	

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B3 2x6 SP 2400f-2.0E;

Webs: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on

Loading

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

Wind

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

Left 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 9-11-4.

,				
NA	PP Deflection in loc L/defl L/#			
Α	VERT(LL): 0.059 G 999 360			
	VERT(CL): 0.106 G 999 240			
	HORZ(LL): 0.011 E			
	HORZ(TL): 0.022 E			
	Creep Factor: 2.0			
	Max TC CSI: 0.554			
	Max BC CSI: 0.694			
	Max Web CSI: 0.941			
	VIEW Ver: 23 02 01A 1204 18			

В 2002 1458 Wind reactions based on MWFRS Bearings B, R, & M 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 F-G 187 - 1135 231 - 664 D-E 220 - 831 G-H 172 - 977 E-F 174 - 1050 209 - 677 H - I

Brg Wid = 3.5 Min Req = 1.5 (Truss)

Non-Gravity

/148

/-

/Rw /U

/1174 /290

/374

/667

Min Req = 1.5 (Truss)

Min Req = 2.4 (Truss)

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

Loc R+

639

/-

Brg Wid = 3.5

Brg Wid = 4.0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. (Comp.	
B - S	516	- 99	O - N	1148	- 198	
S - R	513	- 100	N - M	620	- 144	
P - O	995	- 172				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
C-R	93 - 677	P-F	164 - 788	3
R - Q	271 - 1621	G - N	112 - 412	2
Q - D	291 - 1593	N - I	807 - 63	3
D - P	1100 - 143	I - M	151 - 1390)



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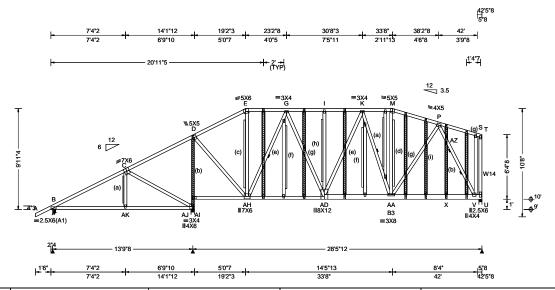
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595960 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T7 FROM: RFG DrwNo: 003.24.1439.31030 Qty: 1 Crapps Page 1 of 2 Truss Label: C1E GA / DF 01/03/2024



		Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 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: 4.25 ft Loc. from endwall: not in 10.00 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. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	Defl/CSI Criteria	A Maximum Reactions (Ibs) Gravity Loc R+ /R- /Rh / B 733 /- /- AJ 2965 /- /- U 1951 /- /- // Wind reactions based on MWF B Brg Wid = 3.5 Min Req : AJ Brg Wid = 3.5 Min Req : U Brg Wid = 3.5 Min Req : Bearings B, AJ, & U are a rigid Members not listed have forces
Lumban	GCpi: 0.18 Wind Duration: 1.60	Plate Type(s): WAVE	VIEW Ver: 23.02.01A.1204.18	Maximum Top Chord Forces Chords Tens.Comp. Chor

В 733 /441 /195 /581 AJ 2965 /-/-/1292 /412 /-1951 /-/684 /202 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) AJ Brg Wid = 4.0 Min Req = 3.5 (Truss) Brg Wid = 3.5 Min Req = 1.6 (Truss) Bearings B, AJ, & U 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.

Non-Gravity

/Rw /U

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B3 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W14 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

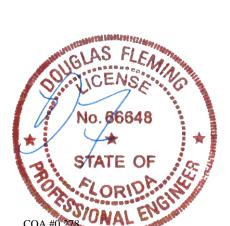
Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/265.

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



COA #0 278 Florida Certificate of Product Approval #FL1999 01/03/2024

B - C	533 - 783	G - I	361 - 1621
C - D	589 - 623	I-K	361 - 1621
D-E	422 - 1217	K - M	329 - 1441
E-G	393 - 941	M - P	334 - 1592

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B -AK	594	- 130	AD-AA	1598	- 288
AK-AJ	592	- 132	AA- X	1007	- 285
AH-AD	1404	- 247	X - V	1007	- 285

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C -AJ	159 - 869	K -AA	83 -516
AJ-AI	380 - 2510	AA- P	814 - 92
Al- D	405 - 2484	P - V	206 - 2369
D -AH	1575 - 257	V - S	607 - 50
AH- G	164 - 1136	T - U	85 - 549
G -AD	560 - 84		

Maximum Gable Forces Per Ply (lbs)

Gables	rens.comp.	Gables	rens. Comp.	
I-AD	69 - 379	X -AZ	397	- 17

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

SEQN: 595960 GABL Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T7 Ply: 1 FROM: RFG DrwNo: 003.24.1439.31030 Qty: 1 Crapps Page 2 of 2 Truss Label: C1E GA / DF 01/03/2024

Gable Reinforcement

(a) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

first 18" and then 4" oc for the remainder.

(b) 2x6 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(c) 2x6 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3" min.) nails @ 3" oc. the och and for the

(0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(d) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(e) 2x3 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each

(f) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(g) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(h) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4"

co for the remainder.

(i) 2x4 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131*x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.



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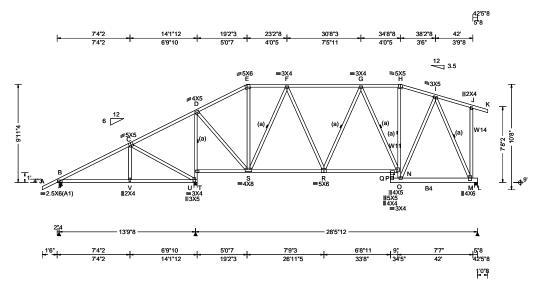
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SEQN: 595742 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T41 FROM: RFG Qty: 3 DrwNo: 003.24.1439.38780 Crapps Truss Label: C2 / DF 01/03/2024



				_
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١,
Loading 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 BWFRS Parallel Dist: h to 2h C&C Dist a: 4.25 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. TPI Std: 2014 Rep Fac: Yes	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.176 Q 999 360 VERT(CL): 0.319 Q 999 240 HORZ(LL): 0.149 M HORZ(TL): 0.272 M Creep Factor: 2.0 Max TC CSI: 0.634 Max BC CSI: 0.714 Max Web CSI: 0.837	
	Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 23.02.01A.1204.18	1
Lumber		•	•	

▲ Maximum Reactions (lbs)						
	G	ravity		No	n-Grav	/ity
Loc	R+	/ R-	/Rh	/ Rw	/ U	/ RL
В	602	/-	/-	/344	/77	/393
U :	2095	/-	/-	/1219	/319	/-
L	1445	/-	/-	/666	/139	/-
Win	d reac	tions bas	sed on	MWFRS		
В	Brg W	/id = 3.5	Min	Req = 1.5	(Truss	s)
U	Brg W	/id = 4.0	Min	Req = 2.5	(Truss	s)
L	Brg W	/id = 3.5	Min	Req = 1.5	(Truss	s)
Bearings B, U, & M are a rigid surface.						
Members not listed have forces less than 375#						
Maximum Top Chord Forces Per Ply (lbs)						
Cho	rds T	ens.Con	np.	Chords	Tens.	Ćomp.
	B U L Win B U L Bea Men	B 602 U 2095 L 1445 Wind read B Brg W U Brg W L Brg W Bearings E Members Maximum	Gravity Loc R+ /R- B 602 /- U 2095 /- L 1445 /- Wind reactions bas B Brg Wid = 3.5 U Brg Wid = 4.0 L Brg Wid = 3.5 Bearings B, U, & Members not listed Maximum Top Ch	Gravity Loc R+	Gravity	Gravity Non-Grav Loc R+ /R- /Rh /Rw /U B 602 /- /- /344 /77 U 2095 /- /- /1219 /319 L 1445 /- /- /666 /139 Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss U Brg Wid = 4.0 Min Req = 2.5 (Truss L Brg Wid = 3.5 Min Req = 1.5 (Truss Bearings B, U, & M are a rigid surface. Members not listed have forces less than 3

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W11 2x4 SP M-31; W14 2x4 SP #2;

(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.

Wind

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

Left 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

Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)



C-D 359 - 398 G-H 186 - 917 D-E 262 - 746 H - I 203 - 930 F-F 247 - 600

F-G

- 1086

211

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
B - V	448	- 100	R - P	1100	- 203	
V - U	444	- 101	P-0	690	- 150	
S - R	931	- 170	N - M	548	- 159	

Maximum Web Forces Per Ply (lbs)

B - C

301 - 587

Webs	s Tens.Comp. Webs		Tens. Comp.		
C - U	94 - 682	F-R	434	0	
U - T	301 - 1719	G - O	108	- 482	
T - D	320 - 1681	Q-P	0	- 401	
D-S	1184 - 169	N - I	804	- 57	
S - F	173 - 822	I - M	142	- 1360	

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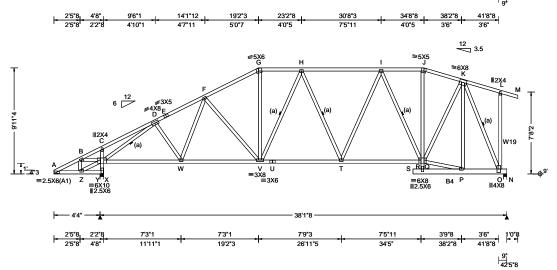
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595967 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T42 FROM: RFG DrwNo: 003.24.1439.42357 Qty: 1 Crapps Truss Label: C3 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.137 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.250 H 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 O
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.104 O
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.619
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.981
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: Yes	Max Web CSI: 0.856
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; B4 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W19 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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

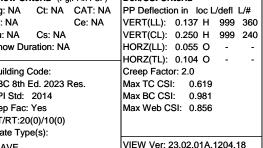
Wind loads based on MWFRS with additional C&C member design.

Left 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 9-11-4.



Loc R+ Wind reactions based on MWFRS Bearings Y & O are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

Chords Tens.Comp. B - C C-D

> D-E 271 - 2401 E-F 289 - 2371 F-G 280 - 2200

761 - 383

▲ Maximum Reactions (lbs) Gravity

2151 /-

Brg Wid = 4.0

1812 /- /Rh

Brg Wid = 3.5 Min Req = 1.5 (Truss)

Non-Gravity

/225 /-

Tens. Comp.

256 - 1941

- 1910

173 - 1328

173 - 1411

/RL

/Rw /U

/1295 /97

/821

Min Reg = 2.5 (Truss)

Chords

H - I

I - J

J - K

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
Z - Y X - W	1979	- 229 - 488	U - T T - Q	2009 1735	- 372 - 329	
W - V	2095	- 415	P-0	771	- 185	
V - U	2009	- 372				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - X	332 - 497	T - I	526 - 14
Z - X	269 - 468	I - Q	193 - 972
X - Y	131 - 2137	Q-P	828 - 179
X - D	313 - 3079	Q - K	1198 - 190
G - V	713 -71	K - O	243 - 1970



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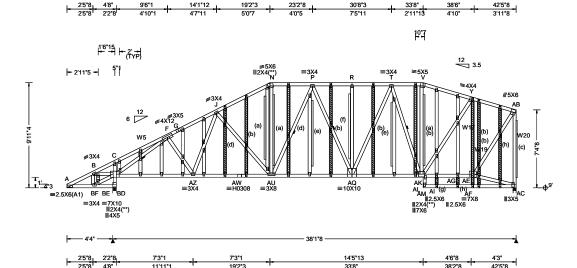
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 595973 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T49 FROM: RFG DrwNo: 003.24.1439.52287 Qty: 1 Crapps Page 1 of 2 Truss Label: C3E GA / DF 01/03/2024



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): 0.124 L 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.363 L 999 240		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.049 AC		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.142 AC		
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.706		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.926		
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.905		
' "	Loc. from endwall: not in 10.00 ft	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.01A.1204.18		

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W5,W19 2x4 SP #2; W17,

W20 2x4 SP M-31;

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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/417.

Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)

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

▲ Maximum Reactions (lbs) Gravity

Gravity				No	n-Grav	/ity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BE 2	929	/-	/-	/1376	/270	/621
AC 2	668	/-	/-	/854	/245	/-
Wind	reac	tions b	ased on	MWFRS		
BE E	3rg W	id = 4	.0 Min	Req = 3.5	(Truss	s)
AC E	3rg W	id = 3	.5 Min	Req = 3.1	(Truss	s)
Beari	ngs E	3E & A	C are a	rigid surfac	e.	
Mem	bers	not list	ed have	forces less	than 3	375#
Maxi	mum	Top (Chord F	orces Per	Ply (lb:	s)
Chore	ds T	ens.C	omp.	Chords	Tens.	Comp.
в-с		875	- 717	P-R	416	- 2824
C-F		941	- 697	R - T	416	- 2824
F-G		370 -	3312	T - V	359	- 2125
G - J		419 -	3319	V - Y	365	- 2255

Maximum Bot Chord Forces Per Ply (lbs)

429 - 3171

404 - 2736

J - N

N - P

Chords	Tens.Comp.		Chords	Tens. (Comp.
BF-BE	732	- 482	AQ-AM	2510	- 536
BD-AZ	2690	- 818	AM-AK	1415	- 449
AZ-AW	2977	- 701	AK-AI	1398	- 444
AW-AU	2977	- 701	AI-AG	1398	- 444
AU-AQ	2891	- 598	AG-AE	1408	- 446

Y-AB

- 1488

284

Maximum Web Forces Per Ply (lbs)

webs	Tens.Comp.	webs	Tens. Comp.
B -BF	427 - 338	N -AU	723 - 104
B -BD	632 - 690	AU- P	109 - 392
BF-BD	606 - 815	AQ- T	804 - 127
C -BD	117 - 480	T -AM	197 - 1247
BD-BE	280 - 2922	AM- Y	1307 - 185
BD- F	654 - 4197	Y -AE	171 - 1428
F -AZ	462 - 72	AE-AB	2470 - 315
J -AU	164 - 442	AB-AC	285 - 2560

Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp.

R -AQ 72 - 407

Florida Certificate of Product Approval #FL1999 01/03/2024

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North Building, 4th Floor Glenview, IL 60025

155 Harlem Ave

SEQN: 595973 GABL Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T49 Ply: 1 FROM: RFG DrwNo: 003.24.1439.52287 Qty: 1 Crapps Page 2 of 2 Truss Label: C3E GA / DF 01/03/2024

Gable Reinforcement

(a) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 2x3 "T" reinforcement. Any species and grade. Full (a) 2x3 1 reinforcement. Any species and grade. Pull truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(c) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.)

nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(d) 2x3 "T" reinforcement. Same species and grade as web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each

(e) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(f) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(g) 2x6 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(h) 2x3 SP/DF #2 or better "T" reinforcement. Full

truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.



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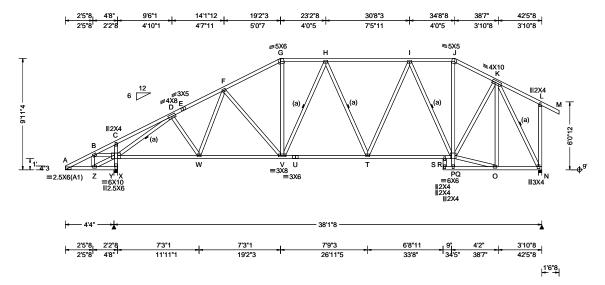
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SEQN: 595822 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T29 FROM: RFG DrwNo: 003.24.1440.03583 Qty: 5 Crapps Truss Label: D1 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.125 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.231 H 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.057 N
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.110 N
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.641
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.889
Spacing: 24.0 "	C&C Dist a: 4.25 ft	Rep Fac: No	Max Web CSI: 0.803
-	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18
Lametra			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

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.

Right end vertical not exposed to wind pressure.

Left 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

Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)

	▲ M	axımı	ım Ke	actions	(Ibs)			
L/#		G	ravity		No	Non-Gravity		
360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RI	
240	Υ	2160	/-	/-	/1287	/96	/40	
-	N	1873	/-	/-	/895	/155	/-	
-	Win	d read	ctions b	ased or	MWFRS			
	Υ	Brg V	Vid = 4	.0 Mir	Req = 2.5	(Trus	3)	
	N	Brg V	Vid = 3	.5 Mir	Req = 2.2	(Trus	3)	
	Bea	rings `	Y & N a	are a rig	id surface.			
	Men	nbers	not list	ed have	forces less	s than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							s)	
	Cho	rds 1	ens.C	omp.	Chords	Tens.	Com	
18	B - (2	776	- 415	G-H	265	- 19	

Onlorus	r cris.comp.	Onords	rens. comp.
B-C	776 -415	G-H	265 - 1928
C - D	760 - 395	H - I	249 - 1954
D-E	261 - 2416	I - J	159 - 1338
E-F	279 - 2386	J - K	172 - 1544
F-G	273 - 2220		

/RL

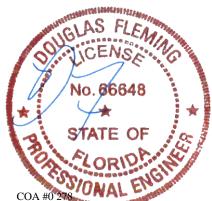
/403

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
Z-Y	387	- 258	U - T	2027	- 328
X - W	1991	- 439	T-R	1745	- 281
W - V	2111	- 370	R-P	1738	- 273
V - U	2027	- 328	O - N	824	- 166

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - X	331 - 499	I-P	202 - 1012
Z - X	264 - 495	P-J	507 - 38
X - Y	130 - 2147	P-0	845 - 159
X - D	317 - 3093	P - K	995 - 138
G - V	721 - 68	K-N	160 - 1809
T - I	560 - 26		



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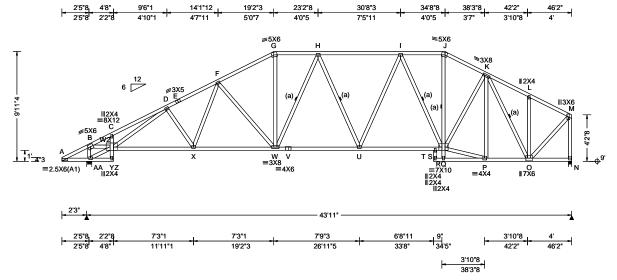
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SEQN: 595824 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T38 FROM: RFG DrwNo: 003.24.1440.09370 Qty: 1 Crapps Truss Label: D2 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	T
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	ı
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.166 H 999 360	ı
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.345 H 999 240	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.117 N	ı
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.245 N	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.690	
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.883	
Spacing: 24.0 "	C&C Dist a: 4.62 ft	Rep Fac: Yes	Max Web CSI: 0.679	
' "	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
	•	•	•	_

Lumber

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 9-11-4.

Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)

Loc R+ /Rh /Rw /U /RL AA 2015 /-/1271 /110 /258 N 1791 /-/995 /70 Wind reactions based on MWFRS AA Brg Wid = 5.7 Min Reg = 2.0 (Truss) N Brg Wid = 3.5 Min Req = 2.1 (Truss) Bearings AA & N 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.

Non-Gravity

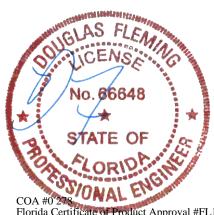
▲ Maximum Reactions (lbs) Gravity

B - C	403 - 3062	H - I	271	- 2205
C - D	465 - 3169	I - J	201	- 1784
D - E	279 - 2991	J - K	218	- 2039
E-F	296 - 2961	K-L	110	- 1281
F-G	282 - 2463	L - M	79	- 1272
G - H	273 - 2149			

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	Comp.	Chords	Tens. (Comp.		
Y - X		- 343	U-S	2090	- 196		
X - W	2495	- 267	S - Q	2062	- 190		
W - V	2263	- 223	P-0	1476	-86		
V - II	2263	- 223					

X - W	2495	- 267	S - Q	2062	- 190		
W - V	2263	- 223	P-0	1476	- 86		
V - U	2263	- 223					
Maximum Web Forces Per Ply (lbs)							
				- -	_		

Maxilli	ann wen i orces		υσj	
Webs	Tens.Comp.	Webs	Tens.	Comp.
B -AA	228 - 1749	Q-J	697	- 61
B - Y	2860 - 331	Q - P	1489	- 78
X - F	389 - 39	Q-K	628	- 71
F-W	128 - 551	K - O	81	- 861
G - W	825 - 79	O - M	1556	-72
1 - Q	178 - 814	M - N	84	- 1754



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

Ply: 1 FROM: RFG DrwNo: 003.24.1440.17480 Qty: 1 Crapps Page 1 of 2 Truss Label: D3 GA / DF 01/03/2024 8'9"1 13'4"12 18'5"3 22'5"8 29'11"3 33'11"8 39'8"4 45'5" 5'1"9 4'7"11 5'0"7 4'0"5 7'5"11 4'0"5 5'8"12 5'8"12 ≡3X4 H **≡3X4 ≥5X5** ≢5X6 G 3<u>X</u>4 **≷3X4** < K /// 5X5 R ≡3X8 ВЗ N ≡5X5 Q ≡3X4 =7X6(E4) S ≡H0308 P ≡H0308 ⊒3X4 **∥2.5**X6 45'5" 7'6"9 7'3"1 7'9"3 7'9"3 5'8"12 5'8"12 3'7"8 11'2"1 18'5"3 26'2"5 33'11"8 39'8"4 45'5 ▲ Maximum Reactions (lbs)

TCDL: 10.00 Speed: 130 mph Pf Enclosure: Closed Lu Speed: 130 mph Pf Enclosure: Closed Lu Speed: 140.00 Risk Category: II Sr EXP: C Xt: NA Mean Height: 15.00 ft PCDL: 5.0 psf Bu	g: NA Ct: NA CAT: NA f: NA Ce: NA u: NA Cs: NA now Duration: NA uilding Code:	PP Deflection in loc L/defl L/# VERT(LL): 0.210 R 999 360 VERT(CL): 0.379 R 999 240 HORZ(LL): 0.072 M HORZ(TL): 0.130 M Creep Factor: 2.0
Load Duration: 1.25 Spacing: 24.0 " MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.54 ft Loc. from endwall: not in 6.50 ft GCpi: 0.18	BC 8th Ed. 2023 Res. PI Std: 2014 ep Fac: No T/RT:20(0)/10(0) late Type(s): /AVE, HS	Max TC CSI: 0.797 Max BC CSI: 0.848 Max Web CSI: 0.885

Job Number: 23-0405

SEQN: 595981

COMN

Top chord: 2x4 SP #2;

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

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

(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.

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

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The overall height of this truss excluding overhang is 9-11-4.

Gravity

LOC	: K+	/ R-	/ Kn	/ RW	/ U	/ KL
Α	2121	/-	/-	/1134	/325	/248
М	2192	/-	/-	/1031	/339	/-
Wir	nd rea	ctions b	ased on	MWFRS		
Α	Brg \	Vid = -	Min	Req = -		
М	Brg \	Vid = 3.	5 Min	Req = 2.6	(Truss	s)
Bea	aring N	√l is a rig	gid surfa	ce.		
Mei	mbers	not liste	ed have	forces less	than 3	375#
Max	ximur	n Top C	hord F	orces Per	Plv (lb	s)
				Chords		
	ords		omp.			
Cho	ords B	Tens.Co	omp. 3768	Chords	Tens.	Ćomp.
Cho A -	ords B C	Tens.Co 564 -	omp. 3768 3721	Chords G - H	Tens. 542	Comp. - 2584 - 2609
Cho A - B -	ords B C D	Tens.Co 564 - 572 -	omp. 3768 3721 3660	G - H H - I	Tens. 542 530	Comp. - 2584 - 2609 - 2045
Cho A - B - C -	B C D E	Tens.Co 564 - 572 - 640 -	omp. 3768 3721 3660 3545	G - H H - I I - J	Tens. 542 530 453	Comp. - 2584 - 2609 - 2045 - 2363

Non-Gravity

Cust: R 215 JRef: 1XW62150001 T4

Maximum	Bot	Chord	Forces	Per	Plv ((lbs)

Chords	Tens.C	Comp.	Chords	Tens. Comp.	
A - U	3228	- 590	R-Q	2673	- 365
U - T	3243	- 551	Q-P	2409	- 321
T - S	2962	- 459	P-0	2409	- 321
S - R	2962	- 459	O - N	1706	- 248

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	Comp.	Webs	Tens.	Comp.
T-F	514	-68	O - J	772	- 107
F-R	204	- 662	0 - K	505	- 61
G-R	1040	- 153	K - N	228	- 980
Q - I	553	- 30	N - L	2027	- 290
1-0	189	- 976	L - M	361	- 2147



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

SEQN: 595981 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T4 FROM: RFG DrwNo: 003.24.1440.17480 Qty: 1 Crapps Page 2 of 2 Truss Label: D3 GA / DF 01/03/2024

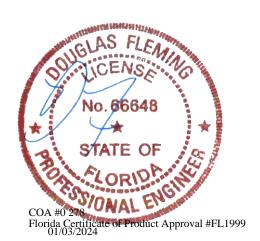
Hangers / Ties

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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

Bearing at location x=0' uses the following support conditions: 0' Support coriotions. 0
Bearing A (0', 9') HUS26
Supporting Member: (3)2x8 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

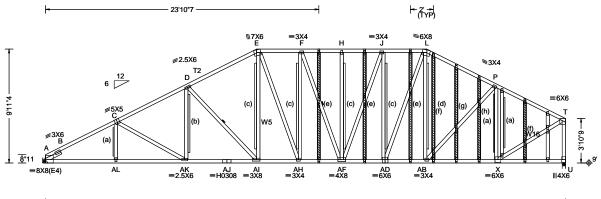
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For more information see these web sites: Alpine: alpineitw.com: TPI: binst.org: SBCA: sbcacomponents.com: ICC: iccsafe.org: AWC: awc.org



SEQN: 595854 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T3 FROM: RFG DrwNo: 003.24.1440.24220 Qty: 1 Crapps Page 1 of 2 Truss Label: D3E GA / DF 01/03/2024 22'2"11 25'10"<u>7</u> 29'6"3 33'3"11 39'4"5 45'5' 6'1"12 6'1"12 6'1"12 3'9"8 3'7"12 3'7"12 3'9"8 6'0"11 6'0"11



3'9"8

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.171 G 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.515 G 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.059 U
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 0.00 ft		HORZ(TL): 0.178 U
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.958
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.525
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.971
	Loc. from endwall: not in 7.25 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 23.02.01A.1204.18

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP M-31; Webs: 2x4 SP #3; W5 2x4 SP M-31; W16 2x4 SP #2; Lt Slider: 2x4 SP #3; block length = 1.500'

6'1"12

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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/314.

Additional Notes

18'5"3

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.

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

The overall height of this truss excluding overhang is

3'7"12

3'9"8

▲ Maximum Reactions (lbs)

6'0"11

		G	ravity		No	n-Gra۱	∕ity	
,	Lo	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
,	Α	2958	/-	/-	/1216	/395	/280	
	υ	3181	/-	/-	/1112	/408	/-	
	Wi	nd read	tions ba	ased on M	MWFRS			
	Α	Brg V	/id = -	Min F	Req = -			
	U	Brg V	/id = 3.5	5 Min F	Req = 2.6	(Truss	s)	
	Bearing U is a rigid surface.							
	Me	mbers	not liste	d have fo	orces less	than 3	375#	
	Ma	ximum	Top C	hord Fo	rces Per	Ply (lb:	s)	

6'0"11

Chords Tens.Comp. Chords Tens. Comp.

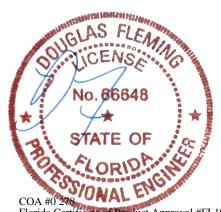
A - B	706 - 5509	F-H	651	- 3822
B-C	700 - 5509	H - J	• • • • • • • • • • • • • • • • • • • •	- 3822
C-D	717 - 5074	J-L		- 3535
D-E	679 - 4363	L-P		- 3539
F-F	661 - 3873	P-T		- 2992
	001 0070		.00	

Maximum Bot Chord Forces Per Ply (lbs)

Chords	ds Tens.Comp. Chords		Tens. Comp.		
A -AL	4739	- 697	AH-AF	3881	- 421
AL-AK	4738	- 698	AF-AD	3566	- 376
AK-AJ	4410	- 568	AD-AB	3074	- 314
AJ-AI	4410	- 568	AB- X	2658	- 315
Al-AH	3732	- 408			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens.	Comp.
D -AI	236 - 1002	AD- L	1306	- 163
E -AI	782 - 118	AB- P	652	-77
E -AH	396 - 116	P - X	117	- 1097
AF- J	760 - 101	X - T	3078	- 370
J-AD	159 - 1056	T - U	390	- 3059



Florida Certificate of Product Approval #FL1999 01/03/2024

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North Building, 4th Floor Glenview, IL 60025

SEQN: 595854 GABL Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T3 Ply: 1 FROM: RFG DrwNo: 003.24.1440.24220 Qty: 1 Crapps Page 2 of 2 Truss Label: D3E GA / DF 01/03/2024

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 2x6 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d

(c) 2x6 "L" reinforcement. And service and for the first 18" and then 4" oc for the remainder.
(c) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(d) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the

first 18" and then 4" oc for the remainder. (e) 2x4 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus

with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord. (f) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord. (g) 2x3 SP/DF #2 or better "T" reinforcement. Full

(g) 2x3 SF/DF #2 or better 1 reinforcement. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.

(h) 2x3 "T" reinforcement. Same species and grade as

web. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each



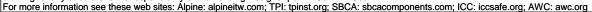
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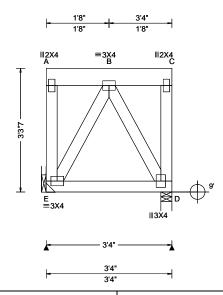
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SEQN: 595940 FLAT Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T48 FROM: RFG Qty: 1 DrwNo: 003.24.1441.05223 Crapps Truss Label: FT1 GA / DF 01/03/2024



Loading Criteria (osf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)
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): 0.003 B 999 360	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 B 999 240	E 1306 /- /- /- /57 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D	D 1654 /- /- /- /126 /-
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.002 D	Wind reactions based on MWFRS
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E Brg Wid = - Min Req = -
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.164	D Brg Wid = 3.5 Min Req = 2.0 (Truss)
Load Duration: 1.2		TPI Std: 2014	Max BC CSI: 0.741	Bearing D is a rigid surface. Members not listed have forces less than 375#
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.185	Maximum Web Forces Per Ply (lbs)
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		Webs Tens.Comp. Webs Tens. Comp.
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	A-E 0 -450 B-D 14 -736 E-B 13 -734 C-D 80 -870
				-E-D 13-734 C-D 00-070

Lumber

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

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 30 plf at 0.00 to BC: From 10 plf at 0.00 to TC: 1235 lb Conc. Load at 0.94 0.00 to 0.00 to 30 plf at 10 plf at 3.33 TC: 1260 lb Conc. Load at 2.94 BC: 332 lb Conc. Load at 1.30

Purlins

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

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

Additional Notes

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



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

SEQN: 595828 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T43 FROM: RFG DrwNo: 003.24.1441.07457 Qty: 5 Crapps Truss Label: G1 GA / DF 01/03/2024 6'1"12 12'3"7 18'5"3 23'1" 27'8"13 33'10"9 40'1"15 45'5" 6'1"12 6'1"12 6'1"12 4'7"13 4'7"13 6'1"12 6'3"7 5'3"1 **≢**5X6 ≡3X4 G ≥5X6 **≷3X4 ∌3X4 ≷3**X5 9'11"4 **₹5**X6 //3X4 B 8"11 R ≡4X6 Q ≡3X8 N ≡3X4 S ≡3X4 =7X6(E4) P O ≡3X8 ≡4X6 ≡5X6['] 45'5' 9'5"4 8'11"15 9'3"10 8'11"15 8'8"4 9'5"4 18'5"3 27'8"13 36'8"12 45'5 ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.233 G 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.426 G 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.089 L	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.49 ft		HORZ(TL): 0.164 L	
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.	Max TC CSI: 0.569	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.525	
Spacing: 24.0 "	C&C Dist a: 4.54 ft	Rep Fac: Yes	Max Web CSI: 0.876	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
Lumber				_

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

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

(a) Continuous lateral restraint equally spaced on member

Hangers / Ties

(J) Hanger Support Required, by others

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

Wind

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

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

The overall height of this truss excluding overhang is

Chords Tens.Comp. Chords Tens. Comp. 457 - 3897 - 2559 B - C 311 - 3852 G-H 229 - 2525 C-D 265 - 3642 H - I 215 - 2901 D-E 287 - 3591 - 3383 I - J 266 E-F - 3438 217 - 2938 J - K 244

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

Min Reg =

/Rh

/-

Wind reactions based on MWFRS

Non-Gravity

/-

/Rw /U

/1114 /165

/1103 /160

Min Req = 1.8 (Truss)

Gravity

Loc R+

2112 /-

Brg Wid = -

Brg Wid = 3.5

Bearing M is a rigid surface.

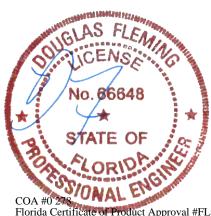
2119 /-

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	omp.	Chords	Tens. (Jomp.
A - S	3355		P-0	2900	-70
S - R	3018	- 80	O - N	2900	- 70
R - Q	3018	-80	N - M	2958	- 198
Q - P	2601	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	comp.	Webs	Tens.	Comp.
S-E	442	- 39	P-H	916	- 26
E - Q	234	- 678	P - I	224	- 558
F-Q	930	- 26	K - M	232	- 3416



Florida Certificate of Product Approval #FL1999 01/03/2024

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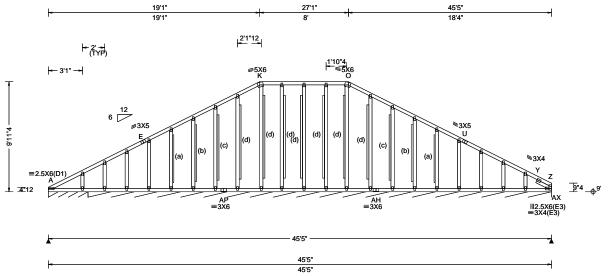
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SEQN: 595830 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T31 DrwNo: 003.24.1441.13470 FROM: RFG Qty: 1 Crapps Page 1 of 2 Truss Label: G1E GA / DF 01/03/2024



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): -0.003 Y 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.006 N 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 Y
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.011 Y
NCBCLL: 10.00	Mean Height: 15.49 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.124
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.068
Spacing: 24.0 "	C&C Dist a: 4.54 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.943
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL A* 120 /62 /81 AX* 131 /47 /-/9 Wind reactions based on MWFRS Brg Wid = 43.0 Min Req = -AX Brg Wid = 502 Min Req = -Bearings A & AW 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;

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

Plating Notes

All plates are 2X4 except as noted.

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/224.

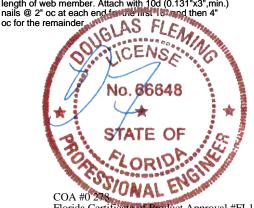
Gable Reinforcement

(a) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder. (b) 2x4 "L" reinforcement. Any species and grade. 80%

length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(c) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d

(0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(d) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the installation of the remainder.



COA #0 278 Florida Certificate of Product Approval #FL1999 01/03/2024

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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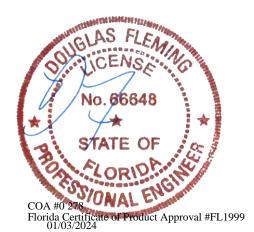
SEQN: 595830 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T31 Qty: 1 DrwNo: 003.24.1441.13470 FROM: RFG Crapps Page 2 of 2 Truss Label: G1E GA / DF 01/03/2024

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.

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

The overall height of this truss excluding overhang is 9-11-4.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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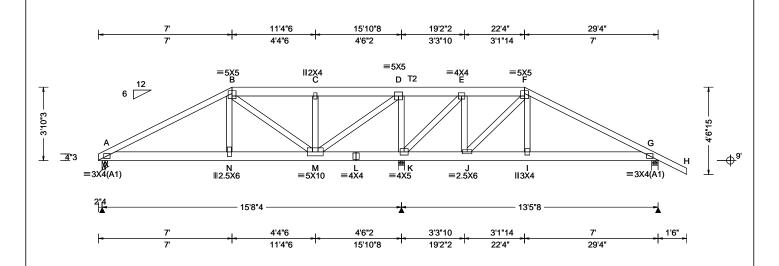
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595878 HIPS Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T17 FROM: RFG DrwNo: 003.24.1441.24480 Qty: 1 Crapps Truss Label: H1 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
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 MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.036 N 999 360 VERT(CL): 0.073 N 999 240 HORZ(LL): 0.007 G HORZ(TL): 0.015 G Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.178 Max Web CSI: 0.839 VIEW Ver: 23.02.01A.1204.18	
Lumban				_

	▲ Maximum Reactions (lbs)							
		G	ravity		No	on-Grav	/ity	
30	Loc	: R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
10	Α	1031	/-	/-	/-	/217	/-	
-	K	3731	/-	/-	/-	/849	/-	
-	G	800	/-	/-	/-	/177	/-	
	Wind reactions based on MWFRS							
	Α	Brg V	Vid = 3	.5 Min f	Req = 1.5	(Truss	s)	
	K	Brg V	Vid = 4	.0 Min I	Req = 2.7	7 (Truss	s)	
	G	Brg V	Vid = 4	.0 Min f	Req = 1.5	(Truss	s)	
	Bea	arings A	4, K, &	G are a r	igid surfa	ce.		
	Me	mbers	not list	ed have fo	orces less	than 3	375#	
	Ma	ximum	Top (Chord Fo	rces Per	Ply (lb	s)	
	Cho	ords T	ens.Co	omp. (Chords	Tens.	Ćomp.	

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

Special Loads

opcolai Loa	uJ			
(Lumbei	Dur.Fac.=1.	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	62 plf at	0.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	22.33
TC: From		22.33 to	62 plf at	30.83
	20 plf at		20 plf at	7.03
	10 plf at		10 plf at	22.30
BC: From	20 plf at	22.30 to	20 plf at	29.33
BC: From	4 plf at	29.33 to	4 plf at	30.83
TC: 259 lb	Conc. Load	at 7.03		
TC: 186 lb	Conc. Load	at 9.06,11	.06,13.06,1	4.67
TC: 187 lb	Conc. Load	at 16.27,18	3.27,20.27	
TC: 260 lb	Conc. Load	at 22.30		
BC: 455 lb	Conc. Load	at 7.03		
BC: 128 lb	Conc. Load	at 9.06,11	.06,13.06,1	4.67
16.27,18.27,	20.27			
BC: 462 lb	Conc. Load	at 22.30		

Wind

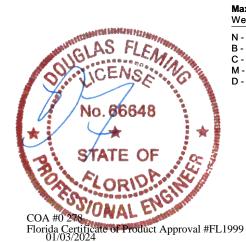
Wind loads and reactions based on MWFRS

Left 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 3-10-3.



Maximum Bot Chord Forces Per Ply (lbs)

415 - 1812

185 - 850

184 - 847

A - B

B - C

C-D

Chords	Tens.Comp.		Chords	Tens. Comp.	
A - N	1551	- 343	L-K	204	- 947
N - M	1523	- 342	J-I	841	- 179
M - L	204	- 947	I-G	867	- 180

D-E

F-G

1118

234 - 1050

- 255

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	652 - 18	K-E	394 - 1679
B - M	201 - 888	E-J	947 - 134
C - M	258 - 508	J - F	243 - 1087
M - D	2203 - 492	F-I	624 - 17
D-K	588 - 2001		

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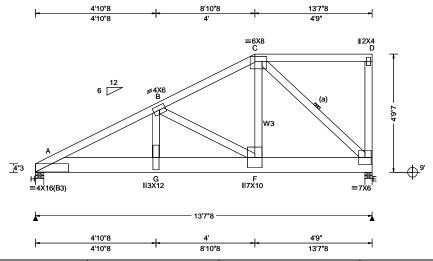
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595934 COMN Ply: 3 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T1 FROM: RFG DrwNo: 003.24.1441.42770 Qty: 1 Crapps Truss Label: H1G GA / DF 01/03/2024

3 Complete Trusses Required



Loading Criteria (p	sf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Loading Criteria (pTCLL: 20.00	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	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. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.071 G 999 360 VERT(CL): 0.141 G 999 240 HORZ(LL): 0.014 E HORZ(TL): 0.027 E Creep Factor: 2.0 Max TC CSI: 0.431 Max BC CSI: 0.438 Max Web CSI: 0.726
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18
Lumber		Additional Notes	

The overall height of this truss excluding overhang is 4-9-7

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U / RL /698 /-7145 /-9478 /-/1110 /-Wind reactions based on MWFRS Brg Wid = 4.0Min Reg = 2.0 (Truss) Brg Wid = 3.5 Min Req = 2.6 (Truss) Bearings H & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 407 - 4150 279 - 2636

▲ Maximum Reactions (lbs)

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. (Comp.		
A - G	3705 3658		F-E	2338	- 242		

Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. 3217 G-B 1367 C-F - 90 - 309 B - F 134 - 1542 C-E - 3162 327

(a) Continuous lateral restraint equally spaced on

Top chord: 2x4 SP #2; Bot chord: 2x8 SP 2400f-2.0E;

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 3 Rows @ 3.75" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 62 plf at 10 plf at 0.00 to 0.00 to TC: From 62 plf at 10 plf at 13.62 13.62 BC: From BC: 2112 lb Conc. Load at 2.10, 4.10, 6.10, 8.10 10.10 BC: 2958 lb Conc. Load at 11.06 BC: 2121 lb Conc. Load at 12.40

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. COA #0 278 Florida Certificate of Product Approval #FL1999 01/03/2024

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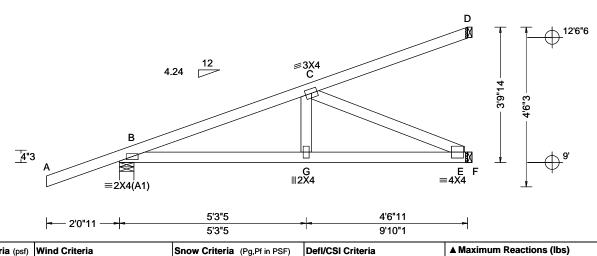
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SEQN: 595866 HIP_ Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T28 Qty: 1 FROM: RFG DrwNo: 003.24.1441.47300 Crapps Truss Label: HJ1 GA / DF 01/03/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind 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: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# PP Deflection in loc L/defl L/# VERT(LL): 0.018 G 999 360 VERT(CL): 0.035 G 999 240 HORZ(LL): 0.005 F HORZ(TL): 0.010 F Creep Factor: 2.0 Max TC CSI: 0.536 Max BC CSI: 0.562 Max Web CSI: 0.339 VIEW Ver: 23.02.01A.1204.18
Lumber	Willia Dalation. 1.00	WAVE	VILVV VGI. 20.02.01A.1204.10

D	73	/-	/-	/-		25	/-
Wi	nd rea	ctions l	oased on	MWFF	RS		
В	Brg \	Wid = 4	.9 Mir	Req =	1.5 (Trus	s)
			.5 Mir				
			.5 Mir		-		
Bearing B is a rigid surface.							
Members not listed have forces less than 375#							

/Rh

/-

Non-Gravity

/206

/78 /-

/RL

/Rw / U

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

B - C 244 - 684

Gravity

Loc R+

В 364

Ε 334 /-

Webs: 2x4 SP #3; **Special Loads**

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

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 TC: From 1 plf at -2.12 to 0.00 to 61 plf at TC: From 2 plf at 0 plf at 2 plf at 9 84 BC: From -2.12 to 4 plf at 0.00 2 plf at 0.00 to BC: From 2 plf at -43 lb Conc. Load at 1.38 123 lb Conc. Load at 4.21 253 lb Conc. Load at 7.03 6 lb Conc. Load at 1.38 TC: TC: BC: 97 lb Conc. Load at 4.21

BC: Wind

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

178 lb Conc. Load at 7.03

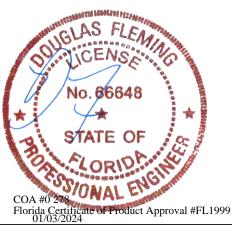
Additional Notes

The overall height of this truss excluding overhang is 3-9-14

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.Comp.	Chords	Tens. Comp.				
B - G	650 - 202	G-F	639 - 203	_			

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. C-F 222 - 699



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

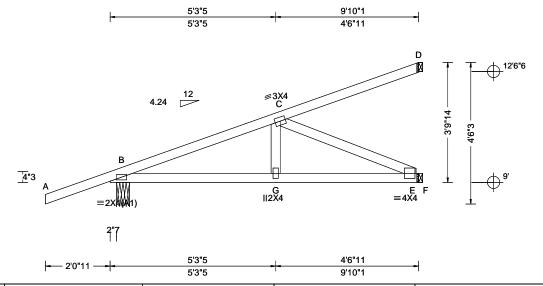
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SEQN: 595874 HIP_ Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T22 FROM: RFG DrwNo: 003.24.1441.50100 Qty: 1 Crapps Truss Label: HJ2 GA / DF 01/03/2024



1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	PP Deflection in loc L/defl L/#
BCLL: 0.00	Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. FPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	VERT(LL): 0.018 G 999 360 VERT(CL): 0.035 G 999 240 HORZ(LL): 0.005 F HORZ(TL): 0.010 F Creep Factor: 2.0 Max TC CSI: 0.535 Max BC CSI: 0.557 Max Web CSI: 0.331
lug in it is a	Plate Type(s): VAVE	VIEW Ver: 23.02.01A.1204.18

	▲ Maximum Reactions (lbs)							
		G	ravity		Non-Gravity			
0	Loc	R+	/ R-	/ Rh	/Rw	/U	/ RL	
0	В	367	/-	/-	/-	/225	/-	
	Е	327	/-	/-	/-	/79	/-	
	D	73	/-	/-	/-	/25	/-	
	Win	d read	ctions ba	ased on M	/WFRS			
	В	Brg V	Vid = 4.9	9 Min F	Req = 1.5	(Truss	s)	
	Ε	Brg V	Vid = 1.3	5 Min F	Req = -			
	D	Brg V	Vid = 1.3	5 Min F	Req = -			
	Bearing B is a rigid surface.							
	Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	rds 1	ens.Co	mp.		- •	-	

254 - 668

634 - 206

Maximum Web Forces Per Ply (lbs)

Chords Tens.Comp.

Maximum Bot Chord Forces Per Ply (lbs)

G-F

Chords Tens. Comp.

623

- 207

Lumber

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

Special Loads

•					
(Lumber	Dur.Fac.=1.	25 / Plate [Our.Fac.=1.2	5)
TC:	From	1 plf at	-2.12 to	61 plf at	0.00
TC:	From	2 plf at	0.00 to	2 plf at	9.84
BC:	From	0 plf at	-2.12 to	4 plf at	0.00
BC:	From	2 plf at	0.00 to	2 plf at	9.84
TC:	-41 lb (Conc. Load	at 1.38		
TC:	118 lb	Conc. Load	at 4.21		
TC:	250 lb	Conc. Load	at 7.03		
BC:	9 lb	Conc. Load	at 1.38		
BC:	95 lb	Conc. Load	at 4.21		
BC:	176 lb	Conc. Load	at 7.03		

Wind

Wind loads and reactions based on MWFRS.

Left 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 3-9-14.



B - C

B - G

COA #0 278 Florida Certificate of Product Approval #FL1999 01/03/2024

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

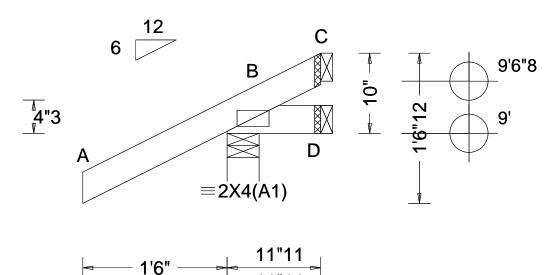
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SEQN: 595864 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T25 FROM: RFG Qty: 2 DrwNo: 003.24.1441.51967 Crapps Truss Label: J1 GA / DF 01/03/2024



TCLL: 20.00
Wind Duration: 1.60 WAVE VIEW Ver: 23.02.01A.1204.18

▲ M	laxim	um Rea	ctions (II	os)			
Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	256	/-	/-	/204	/71	/38	
D	3	/-18	/-	/16	/17	/-	
С	-	/-57	/-	/35	/54	/-	
Wind reactions based on MWFRS							
B Brg Wid = 4.0 Min Reg = 1.5 (Truss)						s)	
D	Brg V	Vid = 1.	5 Min F	Reg = -	•	•	
С			5 Min F				
Bearing B is a rigid surface.							
	_	_	ed have fo		s than	375#	

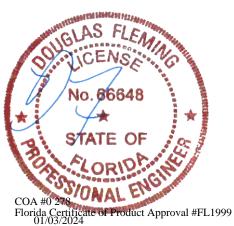
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

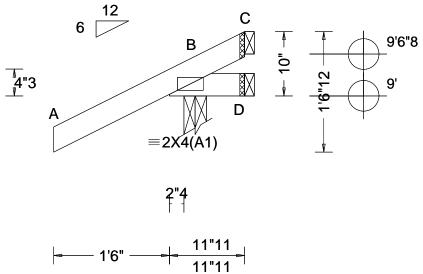
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595872 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T21 FROM: RFG Qty: 2 DrwNo: 003.24.1441.53340 Crapps Truss Label: J1A GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	١.
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.148 Max BC CSI: 0.020 Max Web CSI: 0.000	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
Lumber				

▲ M	axim	um Rea	ctions (I	bs)			
Gravity				Non-Gravity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
В	251	/-	/-	/219	/79	/37	
D	4	/-18	/-	/16	/17	/-	
С	-	/-62	/-	/39	/64	/-	
Win	Wind reactions based on MWFRS						
В	Brg V	Vid = 3.	5 Min f	Req = 1.5	(Trus	s)	
D	Brg V	Vid = 1.	5 Min f	Req = -	-	-	
С	Brg V	Vid = 1.	5 Min f	Req = -			
Bea	ring B	is a rig	id surface	э.			
Mer	nbers	not liste	ed have fo	orces les	s than	375#	

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

Wind loads based on MWFRS with additional C&C

Left 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 0-10-0.



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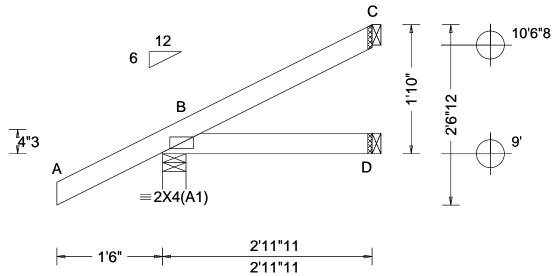
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595862 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T24 FROM: RFG DrwNo: 003.24.1441.55187 Qty: 2 Crapps Truss Label: J3 GA / DF 01/03/2024



TCLL: 20.00 Wind Std: ASCE 7-22 Speed: 130 mph Pf: NA	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
Wind Duration: 1.60 WAVE VIEW Ver: 23.02.01A.1204.18	TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.159 Max BC CSI: 0.062 Max Web CSI: 0.000
		Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	261	/-	/-	/190	/42	/73
D	49	/-	/-	/26	/-	/-
С	61	/-	/-	/35	/34	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	5 Min F	?eq = -		
Bea	ring B	is a rig	id surface).		
Mer	nbers	not liste	ed have fo	rces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 1-10-0.



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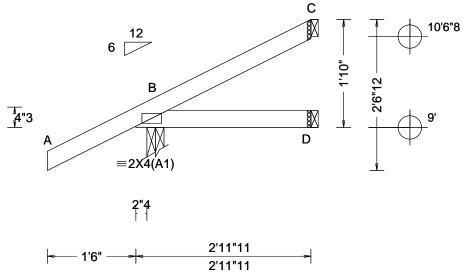
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SEQN: 595870 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T20 FROM: RFG Qty: 2 DrwNo: 003.24.1441.56503 Crapps Truss Label: J3A GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 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: 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. 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): 0.001 B HORZ(TL): 0.001 B Creep Factor: 2.0 Max TC CSI: 0.162 Max BC CSI: 0.060 Max Web CSI: 0.000	L C C C C C C C C C C C C C C C C C C C
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
Lumber				

Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	265	/-	/-	/193	/43	/73
D	48	/-	/-	/25	/-	/-
С	59	/-	/-	/33	/33	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	5 Min F	?eq = -		
Bea	ring B	is a rig	id surface).		
Mer	nbers	not liste	ed have fo	rces les	s than	375#

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

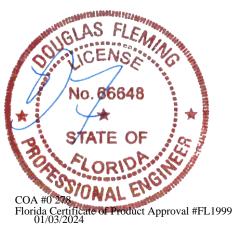
Wind loads based on MWFRS with additional C&C

Left 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



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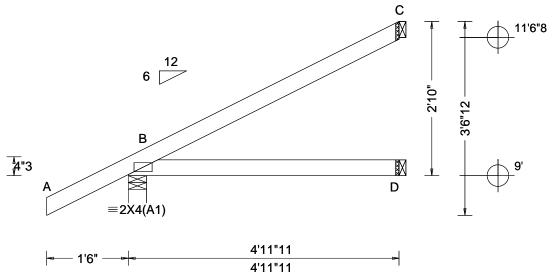
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SEQN: 595860 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T23 FROM: RFG DrwNo: 003.24.1442.02487 Qty: 2 Crapps Truss Label: J5 GA / DF 01/03/2024



Defl/CSI Criteria

Loading Criteria (psi)	wind Criteria	Show Cinteria (Pg,Pi in PSF)	Deli/Col Criteria	-
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00	Wind Citieria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.008 B	LBDCV
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.230 Max Web CSI: 0.000	B D C B M
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
Lumber				

Snow Criteria (Pa Pf in PSE)

▲ Maximum Reactions (II Gravity				Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	330	/-	/-	/230	/44	/109
D :	89	/-	/-	/48	/-	/-
С	127	/-	/-	/79	/65	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4.	0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		-
С	Brg V	Vid = 1.	5 Min F	?eq = -		
Bea	ring B	is a rig	id surface).		
Men	nbers	not liste	ed have fo	rces les	s than	375#

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

Loading Criteria (nef) Wind Criteria

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 2-10-0.



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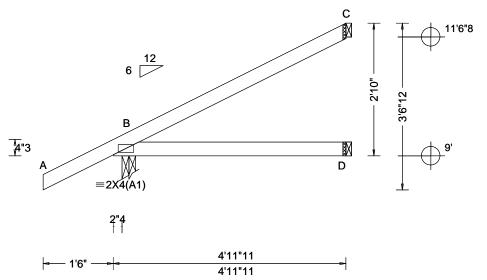
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595868 JACK Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T19 FROM: RFG Qty: 2 DrwNo: 003.24.1442.04493 Crapps Truss Label: J5A GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
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 BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B HORZ(TL): 0.007 B Creep Factor: 2.0 Max TC CSI: 0.299 Max BC CSI: 0.226 Max Web CSI: 0.000	
Lumber				

Gravity				No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	333	/-	/-	/233	/44	/109
D	88	/-	/-	/47	/-	/-
С	125	/-	/-	/77	/64	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1.	5 Min F	Req = -		
С	Brg V	Vid = 1.	.5 Min F	Req = -		
Bea	ıring B	is a rig	id surface).		
Mer	nbers	not list	ed have fo	rces les	s than	375#

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

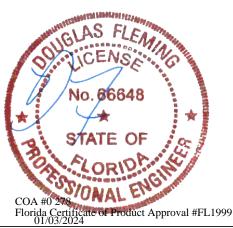
Wind loads based on MWFRS with additional C&C

Left 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 2-10-0.



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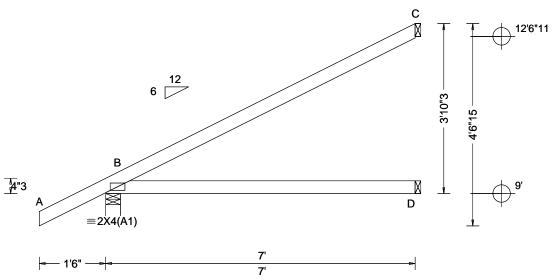
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SEQN: 595858 **EJAC** Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T27 FROM: RFG Qty: 4 DrwNo: 003.24.1442.06120 Crapps Truss Label: J7 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
Loading Criteria (psf) TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Criteria Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h	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. TPI Std: 2014	DefI/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B HORZ(TL): 0.028 B Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.512
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: 23.02.01A.1204.18
Lumbor			

▲ Ma	aximı	um Rea	actions (II	os)		
Gravity				No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	408	/-	/-	/279	/47	/145
D	129	/-	/-	/73	/-	/-
С	187	/-	/-	/118	/94	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 4	.0 Min F	Req = 1.5	(Trus	s)
D	Brg V	Vid = 1	.5 Min F	. = eq	•	•
С	Brg V	Vid = 1	.5 Min F	?eq = -		
Bea	ring B	is a rig	gid surface).).		
Men	nbers	not list	ed have fo	rces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

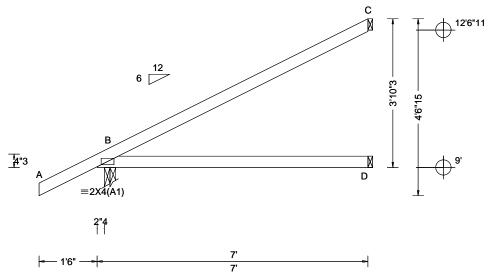
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595856 **EJAC** Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T26 FROM: RFG Qty: 5 DrwNo: 003.24.1442.07693 Crapps Truss Label: J7A GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.026 B
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.	Max TC CSI: 0.704
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.506
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18
Lumber			

(3ravity	No	on-Gra	vity	
Loc R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 410	/-	/-	/280	/48	/145
D 128	/-	/-	/72	/-	/-
C 186	/-	/-	/117	/94	/-
Wind rea	ctions b	ased on N	/WFRS		
B Brg \	Nid = 3.	5 Min F	Req = 1.5	(Trus	s)
D Brg \	Nid = 1.	5 Min F	Req = -	•	•
		5 Min F			
Bearing E	3 is a rig	id surface).		
Members	not liste	ed have fo	orces les	s than	375#

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

Wind loads based on MWFRS with additional C&C

Left 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 3-10-3.



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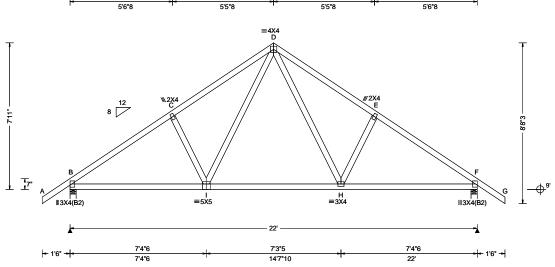
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 596145 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T8 FROM: RFG DrwNo: 003.24.1442.09490 Qty: 11 Crapps Truss Label: K1 GA / DF 01/03/2024

16'5"8

22'



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.054 H 999 360 VERT(CL): 0.105 H 999 240 HORZ(LL): 0.030 F HORZ(TL): 0.057 F Creep Factor: 2.0 Max TC CSI: 0.505 Max BC CSI: 0.633 Max Web CSI: 0.192 VIEW Ver: 23.02.01A.1204.18	B F W B F B M
Lumber	Willia Baradon. 1.00	WAVE	VIEW VOI. 20.02.01A. 1204.10	ГС

5'6"8

	▲ M	aximu	ım Rea	ctions	(lbs)		
		G	ravity		N	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	В	1097	/-	/-	/633	/171	/257
	F	1097	/-	/-	/633	/171	/-
	Win	d read	tions b	ased or	n MWFRS		
	В	Brg V	Vid = 4.	O Mi	n Req = 1.5	5 (Trus	s)
	F	Brg V	Vid = 4	O Mir	$n \operatorname{Req} = 1.5$	5 (Trus:	s)
	Bea	rings I	B&Fa	re a riq	id surface.	•	•
		_		_	forces les	s than :	375#
	Max	imun	Top C	hord F	orces Per	Ply (lb	s)
	Cho	rds 1	ens.Co	omp.	Chords	Tens.	Ćomp.
	В-(С	235 -	1403	D-E	296	- 1247
	ا _{د - آ}	-	297 -		F-F	234	- 1404

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Chords	rens. C	omp.	
B - I	1076	- 103	H-F	1076	- 90	
I - H	741	- 20				

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Jomp.
- D	503 - 102	D-H	505	- 101



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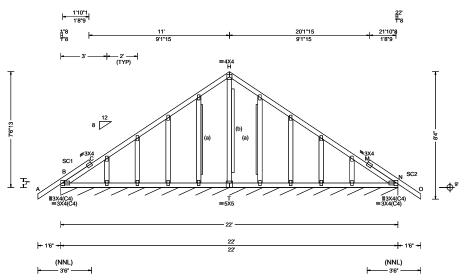
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SEQN: 595892 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T12 Qty: 1 FROM: RFG DrwNo: 003.24.1442.12773 Crapps Page 1 of 2 Truss Label: K1E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.001 H 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 B 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.004 G
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.263
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.085
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.846
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

▲ Maximum Reactions (lbs), or *=PLF						
	(Gravity		N	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
N*	127	/-	/-	/53	/18	/13
Win	d rea	actions b	ased or	MWFRS		
N	Brg '	Wid = 20	64 Mir	n Req = -		
Bea	ring l	B is a rig	jid surfa	ice.		
Men	nbers	s not list	ed have	forces les	s than 3	375#
Max	imu	m Top C	hord F	orces Per	Ply (lb	s)
Cho	rds	Tens.Co	omp.	Chords	Tens.	Ćomp.
В-0	2	319	- 381	M - N	319	- 381

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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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/249.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder. (b) 2x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



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SEQN: 595892 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T12 FROM: RFG DrwNo: 003.24.1442.12773 Qty: 1 Crapps Page 2 of 2 Truss Label: K1E GA / DF 01/03/2024

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 7-6-13.



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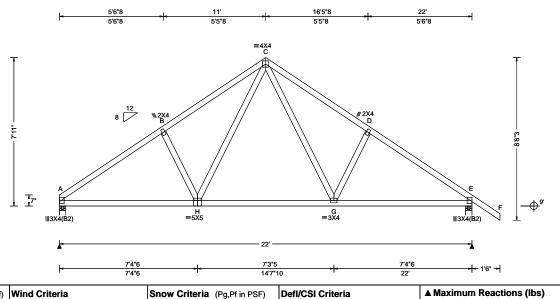
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SEQN: 596147 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T14 FROM: RFG DrwNo: 003.24.1442.17530 Qty: 3 Crapps Truss Label: K2 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-22	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	No
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 G 999 360	Loc R+ /R- /Rh	/ Rw
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.103 G 999 240	A 990 /- /-	/542
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 E	E 1100 /- /-	/633
Doe d⋅ /0 00	EXP: C Kzt: NA		HORZ(TL): 0.057 E	Wind reactions based on M	IWFRS
NODOLL, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		Req = 1.5
0 - 45:4- 0 00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.506	E Brg Wid = 4.0 Min R	
		TPI Std: 2014	Max BC CSI: 0.629	Bearings A & E are a rigid :	surface.
	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.199	Members not listed have for	orces less
Spacing: 24.0 "	C&C Dist a: 3.00 ft	- T	Wax Web CSI. 0.199	Maximum Top Chord For	ces Per
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Chords Tens.Comp. C	Chords
	GCpi: 0.18	Plate Type(s):			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18		C - D
Lumber	1	1	1	B-C 100 - 1264 D) - E

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

Loading

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

Wind 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

eq = 1.5 (Truss)eq = 1.5 (Truss) surface. rces less than 375# ces Per Ply (lbs) hords Tens. Comp. 99 - 1254 48 - 1410

Non-Gravity /Rw /U

> /12 /-

/RL

/237

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

1095 - 106 G - E 1081 0 H - G 747 - 20

Maximum Web Forces Per Ply (lbs)

W Н

ebs	Tens.Comp.		Webs	Tens. Comp	
- C	522	- 56	C - G	504	- 59



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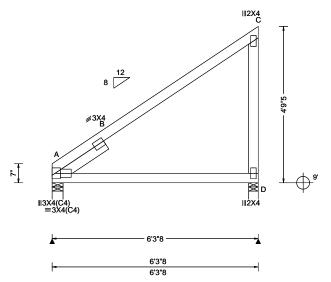
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SEQN: 595888 MONO Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T44 FROM: RFG DrwNo: 003.24.1442.19190 Qty: 2 Crapps Truss Label: K3 GA / DF 01/03/2024



Loading Criteria (psf) Wi	/ind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 Wi	/ind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00 Sp	peed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
DCLL. 0.00		Lu: NA Cs: NA	VERT(CL): NA	A 272 /- /- /153 /31 /195
		Snow Duration: NA	HORZ(LL): 0.063 B	D 257 /- /- /220 /81 /-
IDecid: 40.00 I	XP: C Kzt: NA lean Height: 15.00 ft		HORZ(TL): 0.133 B	Wind reactions based on MWFRS
NCDCII, 40 00	CDL: 5.0 psf	Building Code:	Creep Factor: 2.0	A Brg Wid = 4.0 Min Req = 1.5 (Truss)
0-46.4	CDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.658	D Brg Wid = 3.5 Min Req = 1.5 (Truss)
	WFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.429	Bearings A & D are a rigid surface. Members not listed have forces less than 375#
1		Rep Fac: Yes	Max Web CSI: 0.528	Maximum Top Chord Forces Per Ply (lbs)
Lo	oc. from endwall: Any	FT/RT:20(0)/10(0)		Chords Tens.Comp.
	GCpi: 0.18	Plate Type(s):		·
Wi	ind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	A - B 856 - 948

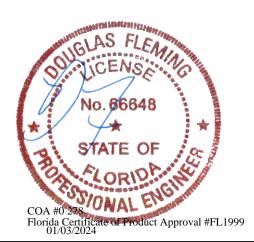
Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.776'

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 4-9-5.



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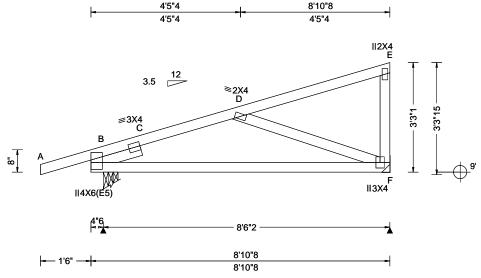
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 595977 MONO Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T46 FROM: RFG DrwNo: 003.24.1442.20667 Qty: 11 Crapps Truss Label: M1 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	A
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 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 GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 D 999 360 VERT(CL): -0.023 B 999 240 HORZ(LL): 0.005 C HORZ(TL): 0.013 C Creep Factor: 2.0 Max TC CSI: 0.239 Max BC CSI: 0.598 Max Web CSI: 0.247 VIEW Ver: 23.02.01A.1204.18	

▲ Maxi	▲ Maximum Reactions (lbs)							
	Gravity		No	on-Gra	vity			
Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL			
B 497	7 /-	/-	/285	/84	/104			
F 318	3 /-	/-	/170	/75	/-			
Wind re	eactions	based on	MWFRS					
B Br	g Wid =	5.2 Min	Req = 1.5	5 (Trus	s)			
F Br	g Wid =	- Min	Req = -					
Bearing	g Bisar	igid surfa	ce.					
Membe	ers not lis	sted have	forces less	s than	375#			
Maxim	um Top	Chord F	orces Per	Ply (lk	os)			
Chords	Tens.0	Comp.	Chords	Tens.	Comp.			
в-с	346	- 859	C-D	101	- 435			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.531'

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C

Right end vertical not exposed to wind pressure.

Left 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

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

B - F 395 - 155

Maximum Web Forces Per Ply (lbs)

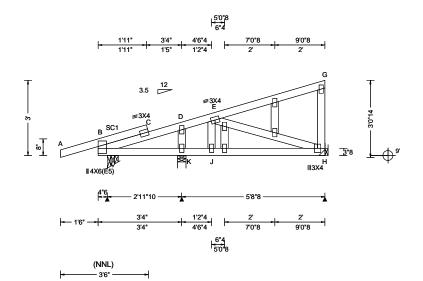
Webs Tens.Comp.

D-F 167 - 406





SEQN: 595936 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T47 DrwNo: 003.24.1442.22993 FROM: RFG Qty: 1 Crapps Truss Label: M1E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.026 F 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.053 F 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 F
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.012 F
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.	Max TC CSI: 0.236
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.220
Spacing: 24.0 "	C&C Dist a: 3.00 ft		Max Web CSI: 0.505
	Loc. from endwall: not in 10.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18
Lumber		Additional Notes	

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 351 /-/202 /132 /149 292 /-/-/150 /78 332 /152 /109 /-Wind reactions based on MWFRS Brg Wid = 1.5 Min Req = 1.5 (Truss) BrgWid = 4.0Min Req = 1.5 (Truss) Brg Wid = -Min Rea = -Bearings B & 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.

▲ Maximum Reactions (lbs)

B - C D-E - 398 42 - 412 C-D 37 - 376

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

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

E-H 145 - 388

Loading

Plating Notes

Top chord: 2x4 SP #2;

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

Stack Chord: SC1 2x4 SP #2;

All plates are 2X4 except as noted.

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face

cut or notched, unless specified otherwise.

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

and 24.0" span opposite face. Top chord must not be

Wind

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

Right end vertical not exposed to wind pressure.

Left cantilever is exposed to wind

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. Florida Certificate of Product Approval #FL1999 01/03/2024 COA #0 278

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

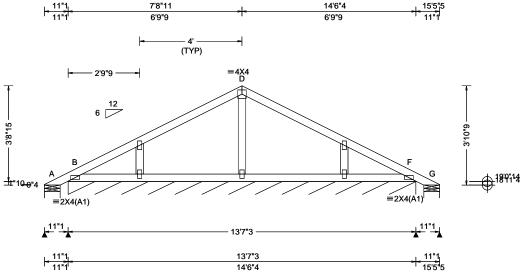
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installiers shall provide temporary bracing per BCSI.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

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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

SEQN: 595895 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T37 FROM: RFG DrwNo: 003.24.1442.27493 Qty: 18 Crapps Truss Label: P1 GA / DF 01/03/2024



aximu	ım Rea	ctions (II	bs), or *=	:PLF	
G	ravity		No	on-Gra	vity
R+	/ R-	/ Rh	/ Rw	/ U	/ RL
23	/-	/-	/53	/40	/102
87	/-	/-	/49	/2	/-
		/-	/14	/2	/-
d reac	tions b	ased on N	/WFRS		
Brg V	Vid = 7.	3 Min F	Req = 1.5	(Trus	s)
Brg V	Vid = 16	3 Min F	Reg = -	•	•
				(Trus	s)
rings /	A, B, &	G are a ri	igid surfa	cè.	•
bers	not liste	ed have fo	orces les	s than	375#
	R+ 23 87 23 d read Brg V Brg V Brg V ings	Gravity R+ / R- 23 /- 87 /- 23 /- d reactions b. Brg Wid = 7. Brg Wid = 7. ings A, B, &	Gravity R+ / R- / Rh 23 /- /- 87 /- /- 23 /- /- d reactions based on M Brg Wid = 7.3 Min F Brg Wid = 163 Min F Brg Wid = 7.3 Min F Gravity Brg Wid = 8 A Grav	Gravity No R+ / R- / Rh / Rw 23 /- /- /53 87 /- /- /49 23 /- /- /14 d reactions based on MWFRS Brg Wid = 7.3 Min Req = 1.5 Brg Wid = 163 Min Req = - Brg Wid = 7.3 Min Req = 1.5 Grings A, B, & G are a rigid surfa	R+ / R- / Rh / Rw / U 23 /- /- /53 /40 87 /- /- /49 /2 23 /- /- /14 /2 d reactions based on MWFRS Brg Wid = 7.3 Min Req = 1.5 (Trus

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.

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 3-10-9.



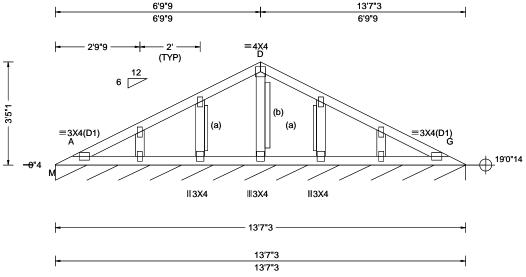
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 595897 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T9 Qty: 1 FROM: RFG DrwNo: 003.24.1442.44503 Crapps Truss Label: P1E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 G 999 360	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.003 G 999 240	N
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 G	١
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 G	N
NCBCLL: 10.00	Mean Height: 15.71 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.061	I
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.043	
Spacing: 24.0 "	C&C Dist a: 3.37 ft	Rep Fac: Yes	Max Web CSI: 0.891	
	Loc. from endwall: not in 13.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18	
Lumber		Additional Notes		

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL M* 63 /-/-/38 Wind reactions based on MWFRS M Brg Wid = 163 Min Req = Bearing M is a rigid surface. Members not listed have forces less than 375#

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

Wind loads 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/999.

Gable Reinforcement

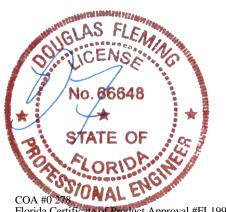
(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

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.

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is



Florida Certificate of Product Approval #FL1999 01/03/2024

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

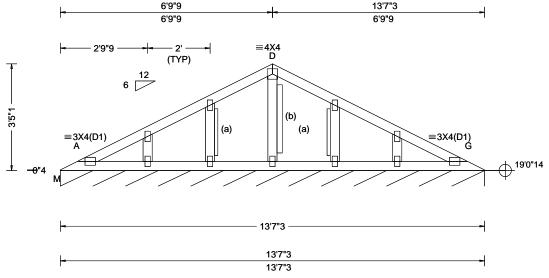
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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SEQN: 595911 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T45 Qty: 1 FROM: RFG DrwNo: 003.24.1442.49810 Crapps Truss Label: P2E GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA	, ,	PP Deflection in loc L/defl L/# VERT(LL): 0.002 G 999 360 VERT(CL): 0.003 G 999 240 HORZ(LL): -0.001 G -	N
l	Mean Height: 15.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	HORZ(TL): 0.001 G Creep Factor: 2.0 Max TC CSI: 0.061 Max BC CSI: 0.043 Max Web CSI: 0.779	N
Lumber	Wind Duration: 1.60	WAVE Additional Notes	VIEW Ver: 23.02.01A.1204.18	
Lumper		Additional Notes		

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rw /U /RL M* 63 /-/-/38 Wind reactions based on MWFRS M Brg Wid = 163 Min Req = Bearing M is a rigid surface. Members not listed have forces less than 375#

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/999.

Gable Reinforcement

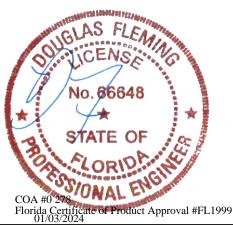
(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

(b) 2x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

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.

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is



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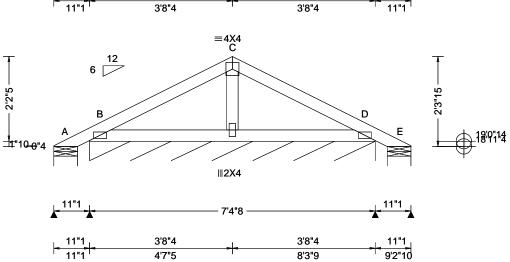
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SEQN: 595913 COMN Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T16 FROM: RFG DrwNo: 003.24.1442.53240 Qty: 5 Crapps Truss Label: P3 GA / DF 01/03/2024

8'3"9



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	ſ
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): 0.001 D 999 360	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 D 999 240	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 D	
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.49 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes	HORZ(TL): 0.002 D Creep Factor: 2.0 Max TC CSI: 0.139 Max BC CSI: 0.109 Max Web CSI: 0.021	
	Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	FT/RT:20(0)/10(0) Plate Type(s): WAVE	VIEW Ver: 23.02.01A.1204.18	1
Lumber	1	1		ك

4'7"5

▲ M	laxim	um Rea	ctions (II	os), or *=	:PLF	
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Α	-	/-41	/-	/42	/58	/60
В*	108	/-	/-	/60	/23	/-
Е	-	/-41	/-	/21	/31	/-
Wir	nd rea	ctions b	ased on N	/WFRS		
Α	Brg V	Vid = 7.	3 Min F	Req = 1.5	(Trus	s)
В	Brg \	Vid = 88	3.5 Min F	?eq = -	•	•
Е	Brg \	Vid = 7.	3 Min F	Req = 1.5	(Trus	s)
Bea	rings	A, B, &	E are a ri	gid surfa	cè.	•
Mei	mbers	not liste	ed have fo	rces les	than	375#
-						

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

Plating Notes

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

Loading

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details. The overall height of this truss excluding overhang is 2-3-15.

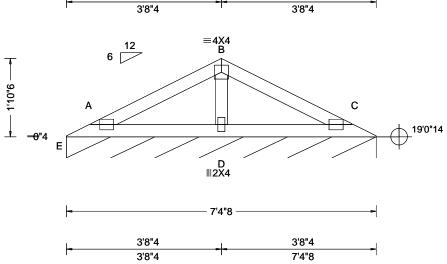




SEQN: 595915 GABL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T34 FROM: RFG Qty: 1 DrwNo: 003.24.1442.56353 Crapps Truss Label: P3E GA / DF 01/03/2024

7'4"8

3'8"4



TCLL: 20.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
I I I I I I I I I I I I I I I I I I I	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: 15.49 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. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	VERT(LL): 0.006 C 999 360 VERT(CL): 0.022 C 999 240 HORZ(LL): -0.003 C HORZ(TL): 0.009 C Creep Factor: 2.0 Max TC CSI: 0.384 Max BC CSI: 0.255
		Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18

	▲ Max	im	um Rea	ctions	(lbs), or *:	=PLF	
			ravity			on-Gra	vity
)	Loc F	₹+	/ R-	/ Rh	/ Rw	/ U	/ RL
0							
	A - B	3		0 0		394	Comp.
		nun			s Per Plv		U

Gables Tens.Comp.

B - D 0 -670

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

Plating Notes

All plates are 3X4(D1) except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

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



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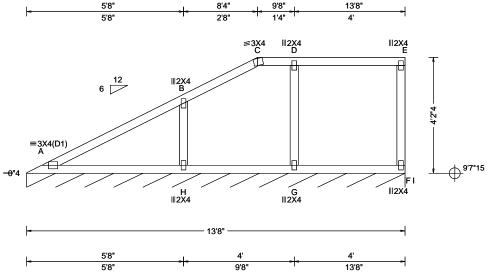
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SEQN: 595916 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T39 FROM: RFG DrwNo: 003.24.1442.58607 Qty: 1 Crapps Truss Label: V1 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.022 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.012 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.340
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.265
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.084
	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: 23.02.01A.1204.18
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 82 /-/-/48 /13 /10 Wind reactions based on MWFRS Brg Wid = 164 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

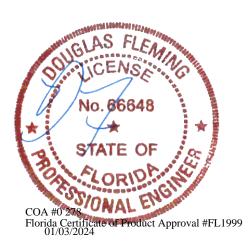
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

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





SEQN: 595918 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T18 FROM: RFG Qty: 1 DrwNo: 003.24.1442.59943 Crapps Truss Label: V2 GA / DF 01/03/2024 8'4" 15'8' 24' 8'4" 7'4" 8'4" ≡3X4 ⊪2X4 C D (TYP) ||2X4 F G ∥2X4 E 4'2'4 ≡3X4(D1) =3X4(D1) ⊕^{10'7"15} M ∥2X4 K ∥2X4 N ⊪2X4 ∥2X4 =5X̄5 24' 24 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Wind Std: ASCE 7-22 20.00 Ct: NA CAT: NA Pg: NA PP Deflection in loc L/defl L/# /R

TCLL: Speed: 130 mph TCDL: 10.00 Enclosure: Closed BCI I · 0.00 Risk Category: II BCDL: 10.00 EXP: C Kzt: NA Des Ld: 40.00 Mean Height: 15.00 ft NCBCLL: 10.00 TCDL: 5.0 psf Soffit: 2.00 BCDL: 5.0 psf Load Duration: 1.25 MWFRS Parallel Dist: h/2 to h Spacing: 24.0 " C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18

Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA

Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): <u>WA</u>VE

VERT(LL): 0.006 A 999 360 VERT(CL): 0.013 A 999 240 HORZ(LL): -0.002 I

HORZ(TL): 0.004 I Creep Factor: 2.0 Max TC CSI: 0.216 Max BC CSI: 0.145 Max Web CSI: 0.086

VIEW Ver: 23.02.01A.1204.18

Loc R+ /Rh /Rw /U /RL O* 82 /-/-/42 /13

Wind reactions based on MWFRS O Brg Wid = 288 Min Req = Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

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

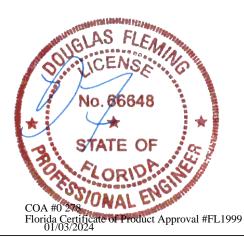
Wind Duration: 1.60

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for

The overall height of this truss excluding overhang is



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installiers 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 Detailis, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

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



SEQN: 595920 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T30 FROM: RFG DrwNo: 003.24.1443.01777 Qty: 1 Crapps Truss Label: V3 GA / DF 01/03/2024 8'4" 11'8" 20' 8'4" 3'4" 8'4" (TYP) ≡3X4 C ∥2X4 D ≅3X4 E ∥2X4 R ∥2<u>X</u>4 =3X4(D1) ≡3X4(D1) ⊕^{11'7"15} Ĥ ∥2X4 J ∥2X4 **≡5**\$5 20' 20'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.024 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.050 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.007 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.014 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.	Max TC CSI: 0.444
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.300
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.084
	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: 23.02.01A.1204.18
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL K* 82 /-/-/42 /13 Wind reactions based on MWFRS K Brg Wid = 240 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is



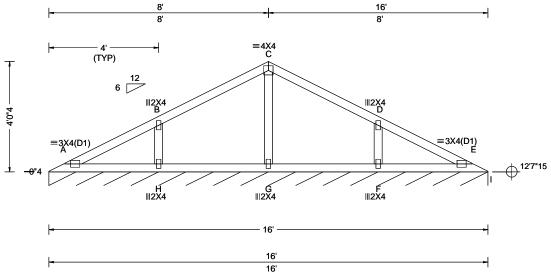
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SEQN: 595921 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T32 FROM: RFG DrwNo: 003.24.1443.03223 Qty: 1 Crapps Truss Label: V4 GA / DF 01/03/2024



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): 0.005 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.011 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.004 E
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.	Max TC CSI: 0.293
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.141
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.076
-	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: 23.02.01A.1204.18
Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 82 /-/-/42 /6 Wind reactions based on MWFRS Brg Wid = 192 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

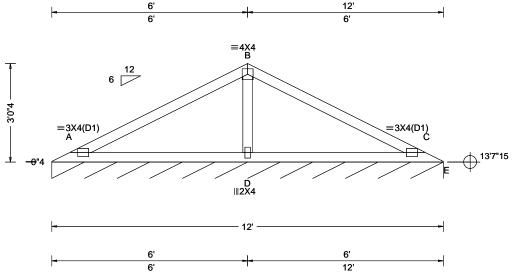
See DWGS VALTN220723 and VAL180220723 for valley details.

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





SEQN: 595922 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T33 FROM: RFG DrwNo: 003.24.1443.21930 Qty: 1 Crapps Truss Label: V5 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	14
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Stid: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.32 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: N	PP Deflection in loc L/defl L/# VERT(LL): 0.025 A 999 360 VERT(CL): 0.052 A 999 240 HORZ(LL): -0.010 C HORZ(TL): 0.021 C Creep Factor: 2.0 Max TC CSI: 0.495 Max BC CSI: 0.417 Max Web CSI: 0.151	
Lumber	l .	144,44		٦ ر

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 82 /-/-/6 Wind reactions based on MWFRS E Brg Wid = 144 Min Req = -Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 509 -43 B-C 509 - 43

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 63 - 397 D-C 63 - 397

Maximum Web Forces Per Ply (lbs)

B - D 76 - 688

Webs Tens.Comp.

Additional Notes

member design.

Wind

Top chord: 2x4 SP #2;

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

See DWGS VALTN220723 and VAL180220723 for valley details.

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

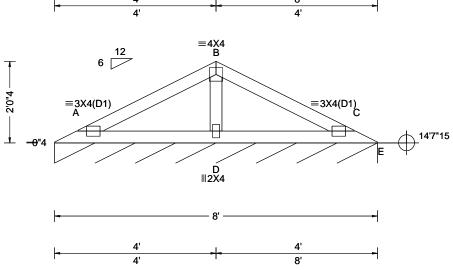
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SEQN: 595923 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T35 FROM: RFG DrwNo: 003.24.1443.23530 Qty: 1 Crapps Truss Label: V6 GA / DF 01/03/2024



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.007 A 999 360		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.015 A 999 240		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 C		
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.82 ft		HORZ(TL): 0.006 C		
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.	Max TC CSI: 0.187		
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.169		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.067		
	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: 23.02.01A.1204.18		
Lumber		•	•		

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL E* 82 /-/-/40 /5 Wind reactions based on MWFRS E Brg Wid = 96.0 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for

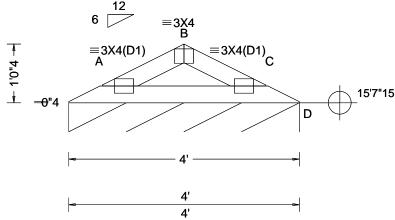
The overall height of this truss excluding overhang is





SEQN: 595924 VAL Ply: 1 Job Number: 23-0405 Cust: R 215 JRef: 1XW62150001 T36 FROM: RFG DrwNo: 003.24.1443.27143 Qty: 1 Crapps Truss Label: V7 GA / DF 01/03/2024





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/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): 0.004 A 999 360
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.008 A 999 240
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 A
NCBCLL: 10.00	Mean Height: 16.32 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.076
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.102
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.01A.1204.18
1			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL D* 82 /-/-/37 Wind reactions based on MWFRS D Brg Wid = 48.0 Min Req = Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is





CLR Reinforcing Member Substitution

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

Notes:

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

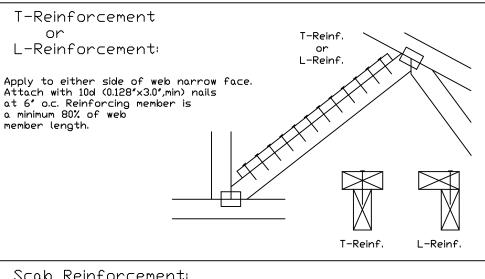
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

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

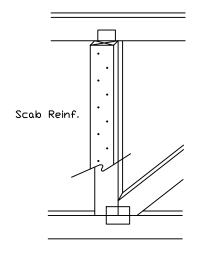
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



No. 66648



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

TC LL	PSF
TC DL	PSF
BC DL	PSF
BC LL	PSF
TOT. LD.	PSF
DUR. FAC.	

SPACING

CLR Subst. DATE 01/02/19 DRWG BRCLBSUB0119



Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

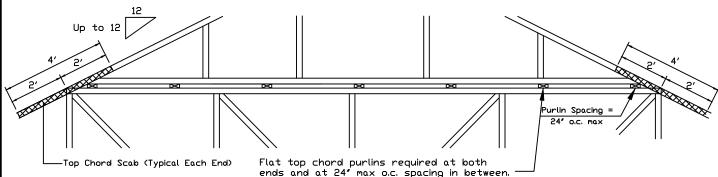
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0. Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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



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

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

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

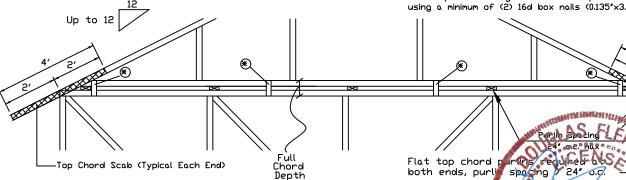
Detail B: Purlin Spacing > 24" o.c.

155 Harlem Ave North Building, 4th Floor

Glenview, IL 60025

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

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



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

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

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

APA Rated Gusset

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

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

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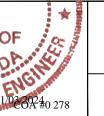
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Re or to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing or BCSI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

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation to 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 this job's general notes page and these web sites:
ALPINE: www.alpineltw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org



SPACING

No. 66648

IREF **PIGGYBACK** DATE 07/03/2023 DRWG PB160220723

24.0"

Valley Detail - ASCE 7-22: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

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

Bot Chord 2x4 SP #2N or SPF #1/#2 or better.

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

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

ASCE 7-22 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

ASCE 7-22 160 mph. 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.

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

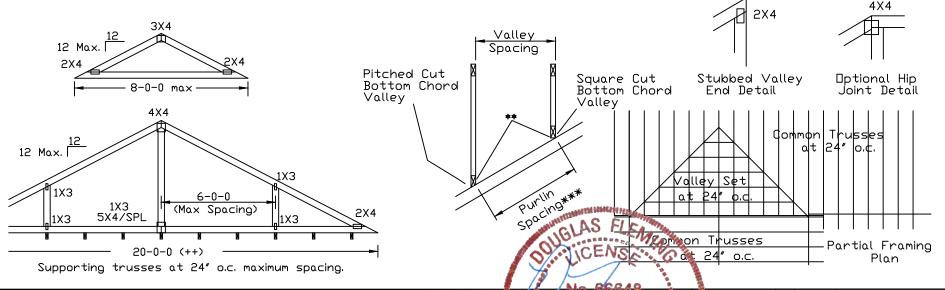
Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

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

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

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





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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Referright follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for a fety practices prior to performing these functions. Installers shall provide temporary bracing per 13. Unless noted otherwise, top chord shall have properly attached structural sheathing and botto cho shall have a properly attached rigid celling. Locations shown for permanent lateral restraint of reaching bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional

A seal on this drawing or cover page listing this drawing, indicates acceptance of professiona 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 this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.lccsafe.org

140.00040		T	LL	30	30	40PSF	REF	VALLEY	DETAIL
/*	74	T	DL	20	15	7PSF	DATE	07/03/2	023
STATE OF 🗼	0	c	DL	10	10	10 PSF	DRWG	VAL1802	20723
AL ON DE PROS		ВС	LL	0	0	0 PSF			
CORIDINAL ENGINE	To the last of the	TOT	LD.	60	55	57PSF			
01/02/30240	278	DUR.I	FAC.1.25	5/1.33	1.15	1.15			
and a different enters or	ſ	SPA	CING		24.	0"			

Valley Detail - ASCE 7-22: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

** Attach each valley to every supporting truss with: (2) 16d box (0.135" \times 3.5") nails toe-nailed for ASCE 7-22, 30' Mean Height, Enclosed Building, Exp. C. Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on supporting truss material at connection location: 140 mph for SP (G = 0.55, min.), 125 mph for DF-L (G = 0.50, min.), or 105 mph for HF & SPF (G = 0.42, min.).

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

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

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

All plates shown are Alpine Wave Plates.

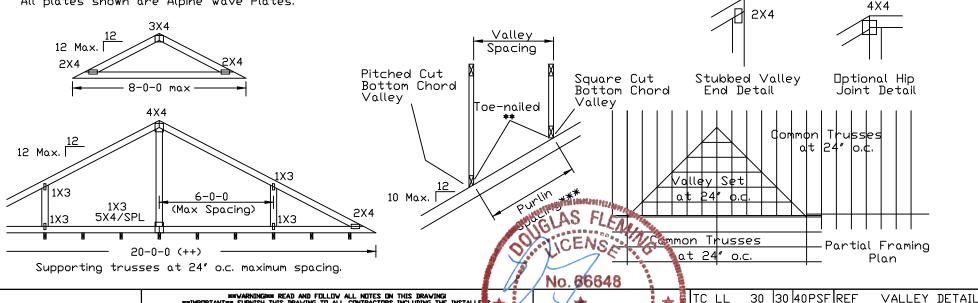
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint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

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

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

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

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





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

**INTERIOR INC. UNRIGHT HIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLE S.

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shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to et in
of truss and position as shown above and on the Joint Details, unless noted otherwise.

Refer to drawings IGOA-Z for standard plate positions.

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

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For more information see this Job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org



					VALLEY DETA
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10 PSF	DRWG	VALTN220723
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
				1	

DUR.FAC. 1.25/1.33 1.15 1.15 SPACING 24.0"