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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: 22-8252	
Job Description: Glover		
Address:		

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res. IntelliVIEW Version: 21.02.00B through 21.02.01			
	JRef #: 1XJ42150017		
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00		
Building Type: Closed			

This package contains general notes pages, 54 truss drawing(s) and 6 detail(s).

Item	Drawing Number	Truss
1	264.22.0857.49647	A01
3	264.22.0857.20747	A03
5	264.22.0854.04653	B02
7	264.22.0853.51733	B04
9	264.22.0853.47010	B06
11	264.22.0853.41640	C02
13	264.22.0853.30363	C04
15	264.22.0852.08483	D02
17	264.22.0852.03117	D04
19	264.22.0851.59523	D06
21	264.22.0851.49453	E01
23	264.22.0851.08283	E03
25	264.22.0851.01057	E05
27	264.22.0850.47457	E07
29	264.22.0850.40953	E09
31	264.22.0850.31970	E11
33	264.22.0850.26710	E13
35	264.22.0850.06173	E15
37	264.22.0850.00573	E17
39	264.22.0849.51763	E19
41	264.22.0849.16047	G01
43	264.22.0847.25833	J01
45	264.22.0847.09213	J02
47	264.22.0846.54513	J04
49	264.22.0837.23417	V01

Item	Drawing Number	Truss
2	264.22.0857.23043	A02
4	264.22.0854.06480	B01
	264.22.0854.02810	B03
6		
8	264.22.0853.48830	805
10	264.22.0853.44177	C01
12	264.22.0853.39467	C03
14	264.22.0852.25490	D01
16	264.22.0852.06220	D03
18	264.22.0852.01543	D05
20	264.22.0851.52317	D07
22	264.22.0851.10917	E02
24	264.22.0851.05347	E04
26	264.22.0850.55810	E06
28	264.22.0850.44503	E08
30	264.22.0850.36847	E10
32	264.22.0850.28850	E12
34	264.22.0850.24450	E14
36	264.22.0850.03843	E16
38	264.22.0849.58497	E18
40	264.22.0849.46637	E20
42	264.22.0848.04040	G02
44	264.22.0847.15287	J01HJ
46	264.22.0846.58370	J03
48	264.22.0837.25850	J05HJ
50	264.22.0837.22120	V02



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Site Information:	Page 2:	
Customer: W. B. Howland Company, Inc.	Job Number: 22-8252	
Job Description: Glover		
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Item	Drawing Number	Truss
51	264.22.0837.20933	V03
53	264.22.0837.18150	V05
55	VAL180160118	
57	BRCLBSUB0119	
59	GBLLETIN0118	

Item	Drawing Number	Truss
52	264.22.0837.19643	V04
54	264.22.0837.16833	V06
56	VALTN160118	
58	A14015ENC160118	
60	CNNAILSP1014	

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.

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Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

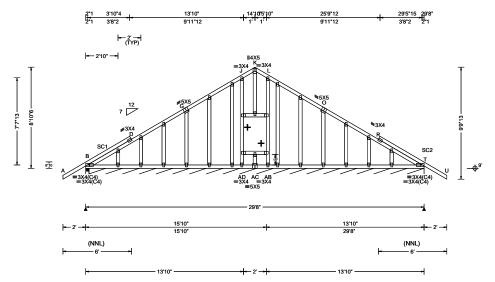
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 115650 GABL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T25 FROM: Qty: 1 DrwNo: 264.22.0857.49647 Truss Label: A01 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 K 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 T 787 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 R
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 R
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.361
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.105
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.140
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 348 /187 /279 B* 81 /43 /-/15 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 352 Min Req = -Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

Ply: 1 FROM: Qty: 5 DrwNo: 264.22.0857.23043 Truss Label: A02 KD / DF 09/21/2022 22'2"3 7'5"13 7'4"3 **∥4X6** H ∥2X4 ∥2X4 =4X5(B2) =6X8 29'8'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.090 I 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.184 I 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.046 F	F
Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0)	HORZ(TL): 0.094 F Creep Factor: 2.0 Max TC CSI: 0.736 Max BC CSI: 0.675 Max Web CSI: 0.334	V E E N
	GCpi: 0.18	Plate Type(s):] -
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20] E
Lumber				•

7'5"13

Job Number: 22-8252

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1364 /-/822 /236 /282 1364 /822 /236 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.9 (Truss) Brg Wid = 3.5 Min Req = 1.9 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 511 - 1868 470 - 1320 470 - 1320 510 - 1868

-- 2' ---

7'5"13

29'8'

Cust: R 215 JRef: 1XJ42150017

T17

Lumber

SEQN: 115651

COMN

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

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1503 - 266	I - H	1502 - 277
J - I	1502 - 267	H - F	1503 - 275

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
	274 - 546	I-E	273 - 546
ו ח	755 221		



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

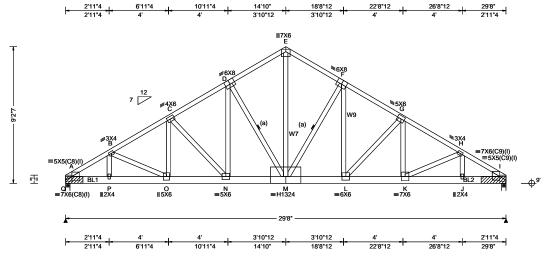
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SEQN: 115841 COMN Ply: 2 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T27 FROM: DrwNo: 264.22.0857.20747 Qty: 1 Truss Label: A03 KD / DF 09/21/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.242 L 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.480 L 734 180
10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.073 C
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.146 C
MODOLL, A AA	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0.40	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.646
l	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.761
1	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.831
' "	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00B.1108.20

Lumber

Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W7 2x4 SP M-31; W9 2x4 SP #2;

Lt Wedge: 2x4 SP #3;Rt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 4.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 10 plf at TC: From 0.00 to 63 plf at BC: From 0.00 to 10 plf at 29.67 BC: 1136 lb Conc. Load at 0.94 BC: 1167 lb Conc. Load at 2.94, 4.94, 6.94, 8.94 10 94 BC: 1479 lb Conc. Load at 12.94,14.94,16.94 BC: 1476 lb Conc. Load at 18.94,20.94,22.94,24.94

26.94,28.94 **Plating Notes**

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

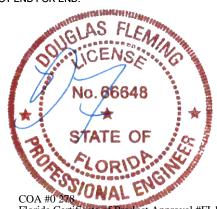
Wind

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

Bearing Block(s)

Brg blocks:0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 1 0.000' 1 14" 17 Rigid Surfa 2 29.375' 1 20" 28 Pioid Surfa Rigid Surface Rigid Surface Brg block to be same size and species as chord. Refer to drawing CNNAILSP1014 for more information.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END



Florida Certificate of Product Approval #FL1999 09/21/2022

▲ Maximum Reactions (lbs)

	G	ravity		` ´ N	on-Grav	vity
Loc	: R+	/ R-	/Rh	/ Rw	/ U	/ RL
Q	10564	1 /-	/-	/-	/378	/-
1	11874	1 /-	/-	/-	/344	/-
Wir	nd read	tions ba	sed on	MWFRS		
Q	Brg V	Vid = 3.5	Min	Req = -		
1	Brg V	Vid = 3.5	Min	Req = -		
Bea	arings	Q & I are	a rigio	surface.		
Ме	mbers	not listed	d have	forces les	s than 3	375#
Ma	ximun	Top Ch	ord F	orces Per	Ply (lb	s)
Ch	ords 1	Tens.Con	np.	Chords	Tens.	Comp.
	В.	206 0	001		160	5520

A - B	286 - 8091	E - F	169	- 5520
B - C	271 - 7860	F-G	212	- 7011
C - D	220 - 6743	G-H	254	- 8429
D-E	169 - 5520	H - I	262	- 8848

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
A - P	6919	- 241	M - L	5932	- 171
P - O	6911	- 242	L-K	7177	- 210
O - N	6706	- 224	K-J	7553	- 222
N - M	5718	- 177	J - I	7568	- 221

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
0-C	1425 - 26	E - M	5360 - 113
C - N	67 - 1377	F-L	2687 - 35
N - D	2183 - 50	L-G	57 - 1737
D - M	82 - 1911	G-K	1843 - 14
M - F	69 - 2337	H - J	397 0

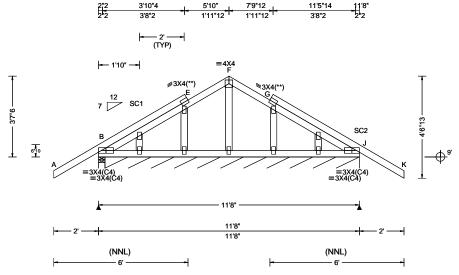
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 115652 GABL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T4 FROM: Qty: 1 DrwNo: 264.22.0854.06480 Truss Label: B01 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 J 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 J 873 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 G
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 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 7th Ed. 2020 Res.	Max TC CSI: 0.384
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.101
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.042
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 320 /216 /143 /49 /-81 Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.5 (Truss) В Brg Wid = 136 Min Req = -Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

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

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



Florida Certificate of Product Approval #FL1999 09/21/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

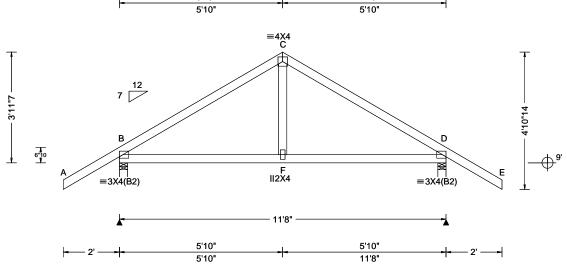
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 115653 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T2 FROM: DrwNo: 264.22.0854.04653 Qty: 3 Truss Label: B02 KD / DF 09/21/2022 5'10" 11'8"



TCDL: 10.00 Speed: 130 mph Pf: NA Ce: NA VERT(LL): 0.0 BCDL: 10.00 Enclosure: Closed Lu: NA Cs: NA VERT(CL): 0.0 BCDL: 10.00 EXP: C Kzt: NA Snow Duration: NA HORZ(LL): 0.0 NCBCLL: 10.00 BCDL: 5.0 psf Building Code: Creep Factor: 2 Soffit: 2.00 BCDL: 5.0 psf FBC 7th Ed. 2020 Res. Max TC CSI: Load Duration: 1.25 MWFRS Parallel Dist: 0 to h/2 TPI Std: 2014 Max BC CSI: Spacing: 24.0 " C&C Dist a: 3.00 ft Rep Fac: Yes Max Web CSI:	Loading Criteria (psi	nd Criteria (Pg,Pf in PSF) Defl/CSI Criteria		
GCpi: 0.18 Plate Type(s):	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	Proceedits Procedits Pro	1 F 999 1 F 999 5 D - 0 D - .372 .307	240 180 - -

▲ Maximum Reactions (lbs)								
Gravity Non-Gravity								
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
В 6	21	/-	/-	/398	/112	/146		
D 6	21	/-	/-	/398	/112	/-		
Wind	reac	tions I	oased or	MWFRS				
ВЕ	3rg V	Vid = 3	3.5 Mir	Req = 1.	5 (Truss	s)		
DE	3rg V	Vid = 3	3.5 Mir	Req = 1.	5 (Trus	s)		
Beari	ngs l	B & D	are a rig	id surface.	•	•		
Memb	oers	not lis	ted have	forces les	s than 3	375#		
Maxii	mum	Тор	Chord F	orces Per	Ply (lb	s)		
Chords Tens.Comp. Chords Tens.Comp.						Comp.		
B-C		277	- 549	C-D	278	- 549		

Lumber

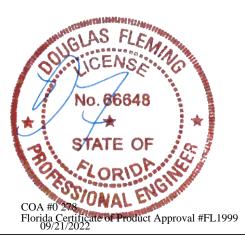
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 391 391



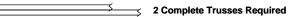
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

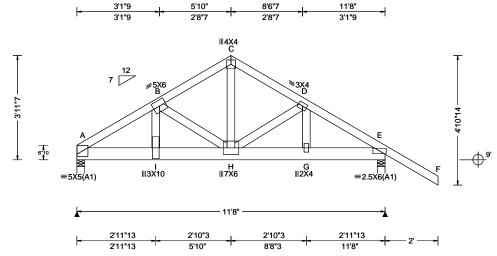
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 445483 COMN Ply: 2 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T20 FROM: DrwNo: 264.22.0854.02810 Qty: 1 Truss Label: B03 KD / DF 09/21/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.040 I 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.080 I 999 180	1
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 B	E
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.021 B	١
NCBCLL: 0.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	1
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.419	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.538	ľ
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.701	ľ
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		۱. ۵
	GCpi: 0.18	Plate Type(s):		1-
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	1
Lumber	•	•	•	, E

	▲ Max	cimu	m Re	actions	(lbs)		
Gravity Non-Gravity							vity
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
	A 4	523	/-	/-	/-	/920	/-
	E 2	397	/-	/-	/-	/529	/-
	Wind	reac	tions b	pased on	MWFRS		
	А В	rg W	id = 3	.5 Min	Req = 1.9	(Trus	s)
	E B	rg W	id = 3	.5 Min	Req = 1.5	(Trus	s)
	Bearin	ngs A	4 & E a	are a rigi	d surface.	•	
	Memb	ers	not list	ted have	forces less	s than 3	375#
	Maxir	num	Top (Chord F	orces Per	Ply (lb	s)
	Chord	ls T	ens.C	omp.	Chords	Tens.	Comp.
	A - B		707 -	3361	C-D	433	- 1973
	B-C		-	1954	Ď-Ē	361	- 1698

Maximum Bot Chord Forces Per Ply (lbs)

Chords

H-G

G-E

Webs

C-H

Tens. Comp.

Tens. Comp.

- 303

- 299

- 391

1436

1423

1841

Chords Tens.Comp.

2860 - 599

2803 - 588

Tens.Comp.

1529 - 297

266 - 1347

Maximum Web Forces Per Ply (lbs)

A - I

I-H

Webs

I - B

B - H

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

•				
(Lumber	Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	32 plf at	0.00 to	32 plf at	5.83
TC: From	63 plf at	5.83 to	63 plf at	13.67
BC: From	10 plf at	0.00 to	10 plf at	4.60
BC: From	20 plf at	4.60 to	20 plf at	11.67
BC: From		11.67 to	5 plf at	13.67
	Conc. Load		60	
BC: 3349 lb	Conc. Load	at 4.60		

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 3-11-7.



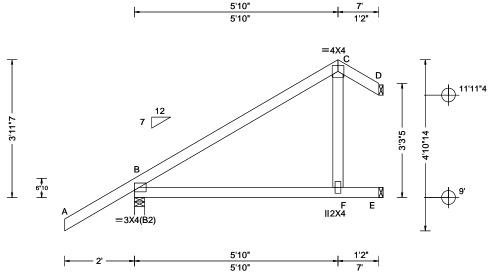
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SEQN: 445473 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T57 FROM: DrwNo: 264.22.0853.51733 Qty: 3 Glover Truss Label: B04 KD / DF 09/21/2022



Loading (Criteria (psf)	Wind Criteria	Snow Cri	teria (Pg	,Pf in PSF)	Defl/CSI Cri	teria		
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflectio	n in loc L	/defl	L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.057 C	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.114 C	727	180
BCDL:	10.00	Risk Category: II	Snow Dur	ation: NA		HORZ(LL):	0.073 D	-	-
Des Ld:	40.00	EXP: C Kzt: NA				HORZ(TL):	0.145 D	-	-
NCBCLL:	10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building C	ode:		Creep Facto	r: 2.0		
Soffit:	2.00	BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res.	Max TC CSI	0.565		
Load Dura	tion: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std:	2014		Max BC CSI	: 0.466		
Spacing: 2	24.0 "	C&C Dist a: 3.00 ft	Rep Fac:	Yes		Max Web CS	SI: 0.212		
-		Loc. from endwall: not in 9.00 ft	FT/RT:20	(0)/10(0)					
		GCpi: 0.18	Plate Type	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	1.02.01.12	214.12	2

٦	A 84	lassina.	Das	ationa (II	1				
	▲ Maximum Reactions (lbs)								
			aravity		No	on-Gra	ıvıty		
	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL		
	В	450	/-	/-	/310	/63	/134		
	Е	205	/-	/-	/131	/79	/-		
	D	90	/-	/-	/62	/-	/-		
	Win	nd rea	ctions b	ased on N	/WFRS				
	В			5 Min F		(Trus	s)		
	Е	Brg \	Nid = 1.	5 Min F	Req = -				
	D	Brg \	Nid = 1.	5 Min F	Req = -				
	Bea	aring E	3 is a rig	id surface) .				
	Mer	mbers	not list	ed have fo	rces les	s than	375#		

Lumber

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

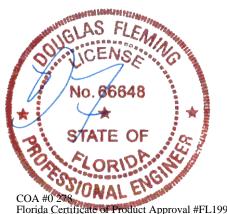
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



Florida Certificate of Product Approval #FL1999 09/21/2022

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SEQN: 445475 SPEC Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T58 FROM: DrwNo: 264.22.0853.48830 Qty: 1 Truss Label: B05 KD / DF 09/21/2022 13'3"9 6"10 3"8 D



TCLL:	20.00	Wind
TCDL:	10.00	Speed
BCLL:	0.00	Enclo
BCDL:	10.00	Risk (
Des Ld:		EXP:
		Mean
NCBCLL:		TCDL
Soffit:	2.00	BCDL
Load Dur	ation: 1.25	MWF
Spacing:	24.0 "	C&C
		Loc. f

Loading Criteria (psf) Wind Criteria Std: ASCE 7-16 d: 130 mph sure: Closed Category: II Kzt: NA Height: 15.00 ft _: 5.0 psf _: 5.0 psf Dist a: 3.00 ft

RS Parallel Dist: h/2 to h from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60

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

=3X4(B2)

Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): <u>WA</u>VE

Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): NA

VERT(CL): NA HORZ(LL): 0.009 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.744 Max BC CSI: 0.538 Max Web CSI: 0.000

VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs)

,	waxiiiuiii iteactions (ibs)										
	G	avity		Non-Gravity							
Lo	R+	/ R-	/ Rh	/Rw	/ U	/ RL					
В	450	/-	/-	/310	/43	/174	_				
D	132	/-	/-	/73	/-	/-					
С	182	/-	/-	/118	/106	/-					
\ //i	nd road	ations h	acad on N	MMEDS							

Wind reactions based on MWFRS

Brg Wid = 3.5 Min Req = 1.5 (Truss)

Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -

Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber

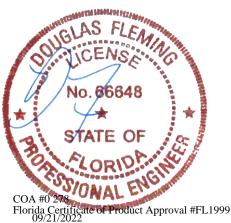
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2;

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-6-7.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

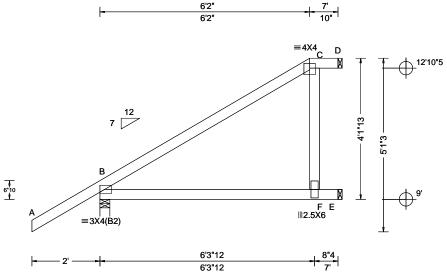
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 445477 SPEC Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T15 FROM: DrwNo: 264.22.0853.47010 Qty: 1 Truss Label: B06 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Ī
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.031 C 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.061 C 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.025 C	
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.050 C	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.606	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.478	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.229	
' "	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	

A M	laxim	um Rea	ctions (II	os)		
		Gravity		•	on-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	450	/-	/-	/313	/50	/160
Е	286	/-	/-	/172	/161	/-
D	101	/-18	/-	/90	/10	/-
Win	d read	ctions b	ased on N	/WFRS		
В			5 Min F		(Trus	s)
Е	Brg V	Vid = 1.	5 Min F	Req = -		
D	Brg V	Vid = 1.	5 Min F	Req = -		
Bea	ring E	is a rig	id surface) .		
Mer	nbers	not liste	ed have fo	rces les	s than 3	375#
Max	cimun	n Web I	Forces Po	er Ply (lb	s)	
We	bs ⁻	Tens.Co	mp.		-	

398 - 226

C-F

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is



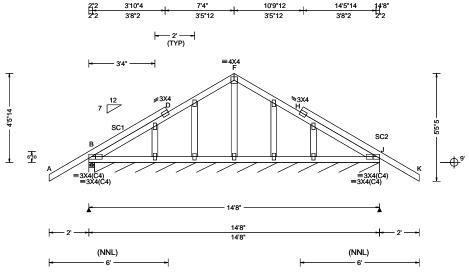
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 115657 GABL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T7 FROM: Qty: 1 DrwNo: 264.22.0853.44177 Truss Label: C01 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 H
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 H
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.363
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.100
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.047
' "	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
	I.	Г	

▲ M	axim	um Rea	ctions (II	bs), or *=	:PLF	
	G	avity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	324	/-	/-	/212	/63	/166
J*	81	/-	/-	/46	/13	/-
Win	d read	ctions b	ased on N	/WFRS		
В	Brg V	Vid = 3.	5 Min F	Req = 1.5	(Trus	s)
J	Brg V	Vid = 17	72 Min F	Req = -	•	•
Bea	rings	В&Ва	re a rigid	surface.		
Mer	nbers	not liste	ed have fo	orces less	s than	375#

Lumber

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

Stack Chord: SC2 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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



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SEQN: 115658 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T6 FROM: DrwNo: 264.22.0853.41640 Qty: 1 Truss Label: C02 KD / DF 09/21/2022 7'4' 14'8" 7'4" 7'4' ∥4X10 C 610 E ∥2X4 =3X4(B2) =3X4(B2)

7'4"

14'8"

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	1
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.009 E 999 240 VERT(CL): 0.018 E 999 180 HORZ(LL): 0.006 D HORZ(TL): 0.013 D Creep Factor: 2.0 Max TC CSI: 0.586 Max BC CSI: 0.510 Max Web CSI: 0.124	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	E

7'4"

7'4'

▲ M	▲ Maximum Reactions (lbs)								
		Gravity		N	Ion-Gra	vity			
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL			
В	755	/-	/-	/468	/136	/147			
D	600	/-	/-	/349	/96	/-			
Win	d rea	actions l	oased o	n MWFRS					
В	Brg	Wid = 3	3.5 Mi	n Req = 1.	5 (Trus	s)			
D	Brg	Wid = 3	3.5 Mi	n Req = 1.	5 (Trus	s)			
Bea	rings	B&D	are a rig	jid surface					
Men	nber	s not list	ted have	e forces les	s than :	375#			
Max	timu	m Top	Chord F	Forces Pe	r Ply (lb	s)			
Cho	rds	Tens.C	omp.	Chords	Tens.	Comp.			
В-0	С	343	- 758	C - D	349	- 752			

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

Wind

Lumber

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 557 - 173 557



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

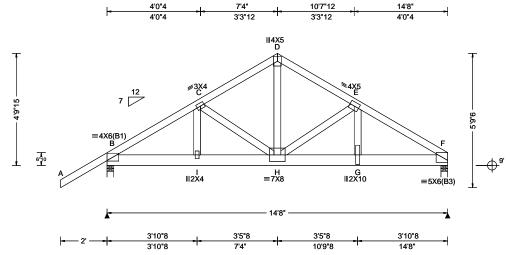
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SEQN: 445471 COMN Ply: 2 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T41 FROM: DrwNo: 264.22.0853.39467 Qty: 1 Truss Label: C03 KD / DF 09/21/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria		
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.058 H 999 240		
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.117 H 999 180		
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 C		
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.029 C		
NCBCLL: 0.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.415		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.325		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.913		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)			
	GCpi: 0.18	Plate Type(s):		1	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12		
				-	

	▲ M	axim	ım Rea	ctions	(lbs)		
		G	ravity		No	on-Grav	vity
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
)	_	3165		/-	/-	/671	/-
	F	4594	/-	/-	/-	/770	/-
	Win	d read	ctions b	ased or	n MWFRS		
	В	Brg V	Vid = 3	.5 Mii	n Req = 1.5	(Trus	s)
	F	Brg V	Vid = 3	.5 Mii	n Req = 1.9	(Trus	s)
	Bea	rings	B&Fa	re a rig	id surface.	-	•
	Mer	nbers	not list	ed have	forces les	s than 3	375#
	Max	cimun	Top (Chord F	orces Per	Ply (lb	s)
	Cho	rds ⁻	Tens.Co	omp.	Chords	Tens.	Ćomp.
	В-0	С	513 -	2470	D-E	523	- 2512
	ا _{د د} ا	-	530 -		F-F	620	- 3363

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 1 Row @ 3.25" o.c. Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails

in each row to avoid splitting.

Special Loads

•				
(Lumber	Dur.Fac.=1.	25 / Plate [Dur.Fac.=1.2	25)
TC: From	63 plf at	-2.00 to	63 plf at	7.33
TC: From	32 plf at	7.33 to	32 plf at	14.67
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.06
BC: From	10 plf at	7.06 to	10 plf at	14.67
BC: 3011 lb				
BC: 1233 lb	Conc Load	at 8 94 10	94 12 94	

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

Additional Notes

The overall height of this truss excluding overhang is 4-9-15.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
B - I I - H	2085 - 429 2089 - 431	H-G G-F	2844 - 524 2871 - 527	
I- I	2069 -431	G-F	20/1 - 52/	

Maximum Web Forces Per Ply (lbs)

webs rens.	Tens.Comp.		Tens. C	Comp.	
	- 484 - 829	E-G	921	- 94	



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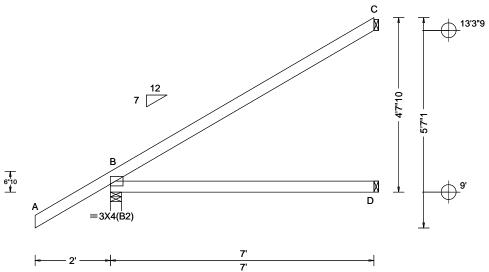
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SEQN: 445467 MONO Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T26 FROM: Qty: 26 DrwNo: 264.22.0853.30363 Truss Label: C04 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.009 B
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.018 B
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.750
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.539
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
' '	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12
Lumber	·	·	<u> </u>

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U В 450 /310 /42 /176 132 /-/73 /124 192 /109 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

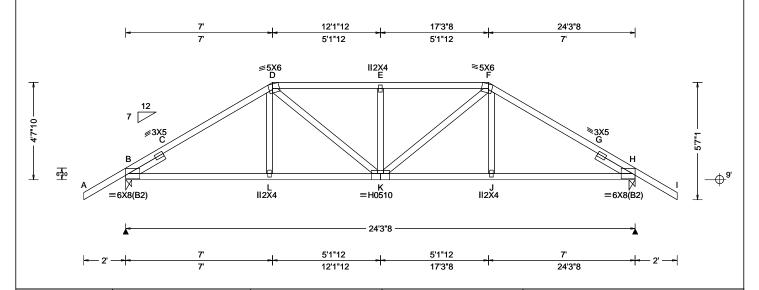
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 115703 HIPS Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T11 FROM: DrwNo: 264.22.0852.25490 Qty: 1 Truss Label: D01 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.126 E 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.253 E 999 180	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.048 H	
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.097 H	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.366	
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.531	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.455	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00B.1108.20	╛
Lumbor	·	·	·	_

Lumber

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

Lt Slider: 2x4 SP #3; block length = 1.903' Rt Slider: 2x4 SP #3; block length = 1.903'

Special Loads

(Lumbe	r Dur.Fac.=1	.25 / Plate [Dur.Fac.=1.2	25)
TC: From	63 plf at	-2.00 to	63 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	17.29
TC: From	63 plf at	17.29 to	63 plf at	26.29
BC: From	5 plf at	-2.00 to	5 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at		10 plf at	17.26
BC: From	20 plf at	17.26 to	20 plf at	24.29
BC: From	5 plf at	24.29 to	5 plf at	26.29
	o Conc. Load			
	o Conc. Load	lat 9.06,11	.06,12.15,1	3.23
15.23				
	o Conc. Load			
BC: 132 II	o Conc. Load	lat 9.06,11	.06,12.15,1	3.23

15.23 Wind

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

Loc R+ /Rh /Rw /U /RL В 2675 /-/580 /-2675 /580 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Reg = 2.6 (Truss) Brg Wid = 3.5 Min Req = 2.6 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 929 - 4298 - 4410 C-D 906 - 4236 F-G 906 - 4236 D-E 977 - 4410 G-H 929 - 4298

Non-Gravity

▲ Maximum Reactions (lbs) Gravity

Maximum Bot Chord Forces Per Ply (lbs)							
Chords	Tens.C	comp.	Chords	Tens. (Comp.		
B - L	3566	- 755	K-J	3545	- 758		
L-K	3545	- 758	J - H	3566	- 755		

Maximum Web Forces Per Ply (lbs)								
Webs	Tens.Comp.		Webs Tens.Comp. Wel		Webs	Tens. (Comp.	
L-D	561	0	E-K	465	- 865			
D - K	1128	- 286	F-J	561	0			
K-F	1128	- 286						



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SEQN: 115660 HIPS Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T46 FROM: DrwNo: 264.22.0852.08483 Qty: 1 Truss Label: D02 KD / DF 09/21/2022 4'6"13 9' 15'3"8 19'8"11 24'3"8 4'6"13 4'5"3 6'3"8 4'5"3 4'6"13 6 **7** 0 __L ≡5X5 K ≡3X8 ≡3X4(C4) ≡3X4(C4) 24'3"8 9 6'3"8 9' 9 15'3"8 24'3"8 ▲ Maximum Reactions (lbs) Non-Gravity

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 L 999 240	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 L 999 180	ı
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 I	ı
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.043 I	
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.437	
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.671	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.259	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		4
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	
Lumber				_

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

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

Wind

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

Wind loading based on both gable and hip roof types.

		G	iravily		INC	m-Giav	/ily	
,	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	В	1146	/-	/-	/694	/205	/194	
	_	1146		, /-	/694	/205		
	Win	d read	ctions ba	ased on M	MWFRS			
	В				Req = 1.6			
	1	_			Req = 1.6	(Truss	s)	
	Bearings B & I are a rigid surface.							
	Members not listed have forces less than 375#							
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	rds 7	Γens.Co	mp. (Chords	Tens.	Comp.	

B - C	610 - 1769	F-G		- 1261
C - D	525 - 1450	G-H		- 1450
D - E E - F	511 - 1265 489 - 1030	H-I	614	- 1776

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-L 1204 - 319 K - I 1204 - 336

1026

- 254

L-K



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

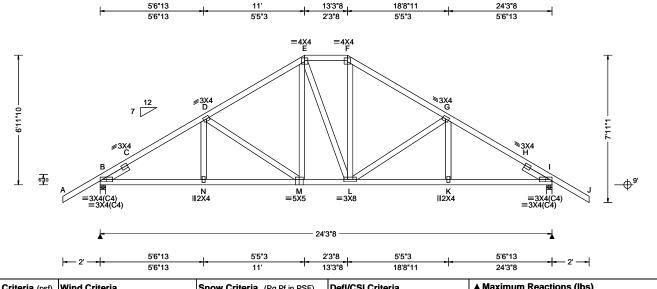
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 115661 HIPS Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T49 FROM: Qty: 1 DrwNo: 264.22.0852.06220 Truss Label: D03 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.044 M 999 240 VERT(CL): 0.090 M 999 180 HORZ(LL): 0.021 l HORZ(TL): 0.043 l Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.382 Max Web CSI: 0.284 VIEW Ver: 21.02.00B.1108.20
Lumber			

Lumber

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.530' Rt Slider: 2x4 SP #3; block length = 1.530'

Wind

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

Wind loading based on both gable and hip roof types.

	■ IVI	axiiiil	ии кес	CHOHS	(ID2)			
		G	ravity		N	on-Grav	vity	
0	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	_
0	В	1146	/-	/-	/697	/201	/224	
	1	1146	/-	/-	/697	/201	/-	
	Wind reactions based on MWFRS							
	В	Brg V	Vid = 3.	5 Mir	n Req = 1.0	6 (Trus	s)	
	1	Brg V	Vid = 3.	5 Mir	n Req = 1.0	6 (Trus	s)	
	Bea	rings l	B&lar	e a rigio	d surface.			
	Men	nbers	not liste	ed have	forces les	s than 3	375#	
	Maximum Top Chord Forces Per Ply (lbs)							
	Cho	rds T	ens.Co	mp.	Chords	Tens.	Comp.	_
	B - 0	•	300 -	1600	F-G	361	- 1123	
	G-1	-			G-H	355		
	D - E	_	363 -		H-I	390	- 1600	

махітит	Bot Chord	Forces Per	Ply (lbs	;)
O . T	_	O	_ `	_

352 -886

Ē-F

Chords	I ens.C	comp.	Chords	Tens. (Jomp.	
B - N N - M M - L	1201	- 174 - 175 - 75	L-K K-I		- 189 - 188	



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

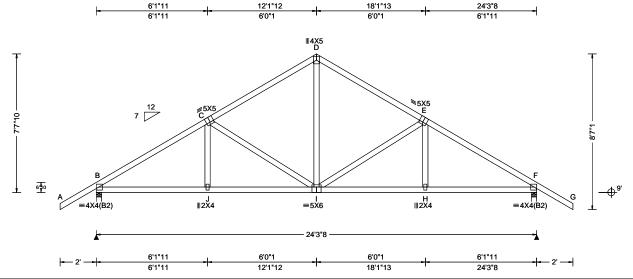
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025

SEQN: 115662 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T23 FROM: Qty: 1 DrwNo: 264.22.0852.03117 Glover Truss Label: D04 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (Ib	os)
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.064 I 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.129 I 999 180	B 1146 /- /-	/695 /20 /241
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.033 F	F 1146 /- /-	/695 /20 /-
Dec 1 d · 40 00	EXP: C Kzt: NA		HORZ(TL): 0.067 F	Wind reactions based on M	IWFRS
NCBCLL 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0		teq = 1.6 (Truss)
0-##	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.600		teq = 1.6 (Truss)
1	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.574	Bearings B & F are a rigid s	
	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.402	Members not listed have fo	
1 ' ' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord For	
	GCpi: 0.18	Plate Type(s):		Chords Tens.Comp. C	Chords Tens. Comp.
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20) - E 272 - 1069
Lumber		1447.42		C-D 273-1069 E	F - F 273 - 1495

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

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1196 - 101	I - H	1194 - 113
J - I	1194 - 102	H - F	1196 - 112

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
C - I	158 - 418	I-E	157	- 418
D-I	606 - 111			



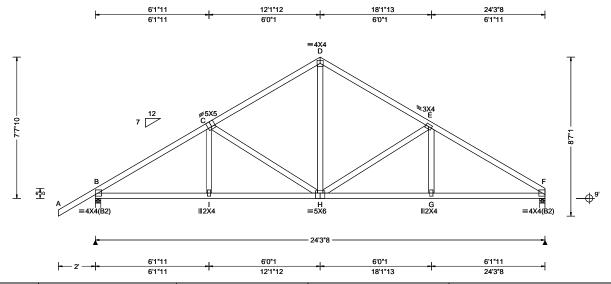
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SEQN: 115663 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 FROM: Qty: 2 DrwNo: 264.22.0852.01543 Glover Truss Label: D05 KD / DF 09/21/2022



Loading Criteria (psf) Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (II	bs)
TCLL: 20.00 Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00 Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.060 H 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00 Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.124 H 999 180	B 1152 /- /-	/695 /21 /219
BCDL: 10.00 Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 F	F 1004 /- /-	/579 /11 /-
Des Ld: 40.00 EXP: C Kzt: NA		HORZ(TL): 0.060 F	Wind reactions based on N	//WFRS
NCBCLL: 10.00 Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0		Req = 1.6 (Truss)
Soffit: 2.00 BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.602	F Brg Wid = 3.5 Min F	. , ,
Load Duration: 1.25 MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.578	Bearings B & F are a rigid	
Spacing: 24.0 " C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.437	Members not listed have for Maximum Top Chord For	
Loc. from endwall: not in 9.00				Chords Tens. Comp
GCpi: 0.18	Plate Type(s):		D C 204 4506 F	D - E 282 - 108
Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20		D - E 282 - 108 E - F 292 - 153

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	1206 - 161	H - G	1233 - 176
I - H	1204 - 163	G - F	1235 - 175

Tens. Comp. 282 - 1082 292 - 1531

Maximum Web Forces Per Ply (lbs)

			ns. Comp.
C - H 157 -	419 F	I-E 1	173 - 454



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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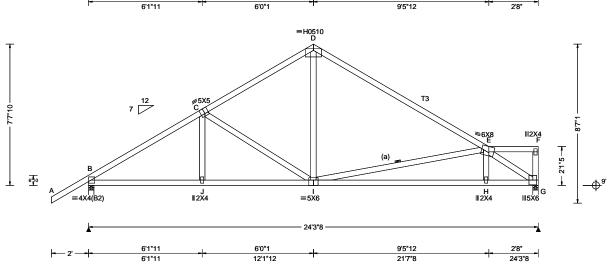
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SEQN: 115664 SPEC Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T45 FROM: Qty: 1 DrwNo: 264.22.0851.59523 Truss Label: D06 KD / DF 09/21/2022

21'7"8

12'1"12



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE. HS	PP Deflection in loc L/defl L/# VERT(LL): 0.054 I 999 240 VERT(CL): 0.110 I 999 180 HORZ(LL): 0.029 G HORZ(TL): 0.059 G Creep Factor: 2.0 Max TC CSI: 0.690 Max BC CSI: 0.819 Max Web CSI: 0.457	
Lumber	1	[WAVE, 110	1	٦ (

6'1"11

▲ Max	cimu	ım Rea	ections	(lbs)		
	G	ravity		N	on-Gra	vity
Loc I	₹+	/ R-	/ Rh	/ Rw	/ U	/ RL
B 1	154	/-	/-	/698	/21	/250
G 10	001	/-	/-	/538	/14	/-
Wind	reac	tions b	ased or	MWFRS		
В В	rg W	/id = 3	.5 Mir	Req = 1.0	6 (Trus	s)
G B	rg W	/id = 3	.5 Mir	n Req = 1.	5 (Trus	s)
Bearir	ngs E	3 & G a	are a rig	id surface.		
Memb	ers	not list	ed have	forces les	s than	375#
Maxir	num	Top (Chord F	orces Per	Ply (lb	s)
Chord	ls T	ens.Co	omp.	Chords	Tens.	Comp.
B-C		279 -	1499	D-E	269	- 1179
C-D		292 -		- -		

24'3"8

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

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Right end vertical exposed to wind pressure. Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	1196 - 272	I - H	1547 - 408
J - I	1194 - 273	H - G	1535 - 415

Maximum Web Forces Per Ply (lbs)

Webs	Tens.C	omp.	Webs	Tens. Comp.
D-I	592	- 50	E-G	467 - 1855
I-E	316	- 668		



Florida Certificate of Product Approval #FL1999 09/21/2022

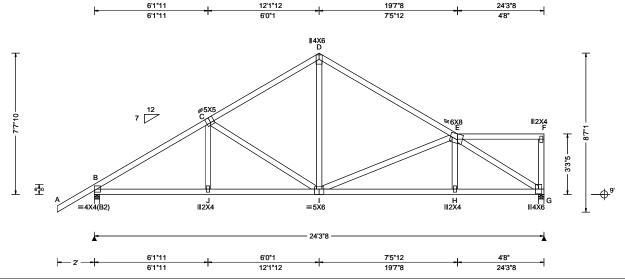
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155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 SEQN: 115665 SPEC Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T22 FROM: DrwNo: 264.22.0851.52317 Qty: 1 Truss Label: D07 KD / DF 09/21/2022 6'1"11



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	١.
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.057 I 999 240	L
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.117 I 999 180	E
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 G	(
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.056 G	١
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	E
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.607	15
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.573	I E
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.928	ľ
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		ľ
	GCpi: 0.18	Plate Type(s):		13
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	E
Lumber				- (

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1154 /-/701 /272 1001 /523 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Reg = 1.6 (Truss) Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 306 - 1507 307 - 1122

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 exposed to wind pressure.

Deflection meets L/360.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Com	p.
B-J	1205 - 357	I-H	1361 - 4	42
J - I	1203 - 358	H-G	1355 - 4	46

Maximum Web Forces Per Ply (lbs)

317 - 1091

			10110.	Comp.
•	3 - 398 3 - 122	I-E E-G		- 529 - 1599



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

FROM: DrwNo: 264.22.0851.49453 Qty: 1 Page 1 of 2 Truss Label: E01 KD / DF 09/21/2022 5'0"8 10'1" 14'10" 19'7' 24'7"8 29'8" 5'0"8 4'9' 5'0"8 5'0"8 5'0"8 4'9 =6X10 B =3X4 C =3X4 E =6X10 F =6X8 G =6X8 =5X5 D 4'7"10 (a) W12 ф^{9'} M ∥3X4 __L ≡H0610 K ≡3X8 I ∥3X4 =H0610 =6X6 29'8" 5'0"8 4'9' 5'0"8 5'0"8 4'9' 5'0"8 5'0"8 9'9"8 14'10' 19'10"8 24'7"8 29'8'

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.229 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.458 D 778 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.071 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.142 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.934
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.579
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.834
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.01.1214.12
Lumber			

Job Number: 22-8252

▲ M	▲ Maximum Reactions (lbs)						
	G	ravity		No	on-Grav	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
N	3031	/-	/-	/-	/775	/126	
Н	3011	/-	/-	/-	/751	/-	
Win	d read	ctions ba	sed on	MWFRS			
N	Brg V	Vid = 3.5	Min	Req = 2.5	(Trus	s)	
Н	Brg V	Vid = -	Min	Req = -			
Bea	ring N	l is a rigid	surfac	ce.			
Mer	nbers	not listed	have	forces less	than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Cho	rds 7	Tens.Cor	np.	Chords	Tens.	Comp.	
В-(С	1175 - 4	585	D-E	1340	- 5197	
C-1	-	1340 - 5		Ē-F	1196	- 4585	

Maximum Bot Chord Forces Per Ply (lbs)

Chords

J - I

I-H

Tens. Comp.

- 1099

- 687

-687

4659

3007

3007

Cust: R 215 JRef: 1XJ42150017

T30

SEQN: 445469

FLAT

Ply: 1

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

Webs: 2x4 SP #3; W2,W12 2x4 SP #2;

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 30 plf at 10 plf at 30 plf at 0.00 to BC: From 10 plf at 0.00 to TC: 192 lb Conc. Load at 0.77, 2.77, 4.77, 6.77 8.77,10.77,12.77,14.77,16.77,18.77,20.77,22.77 24.77,26.77,28.77 132 lb Conc. Load at 0.77, 2.77, 4.77, 6.77 8.77,10.77,12.77,14.77,16.77,18.77,20.77,22.77 24.77,26.77,28.77

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

Wind

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

Additional Notes

Truss must be installed as shown with top chord up. The overall height of this truss excluding overhang is 4-7-10.



Florida Certificate of Product Approval #FL1999 09/21/2022

Tens. Comp. Webs Tens.Comp. Webs N - B 1018 - 3968 D - K 315 B - M 421 n E-J

N - M

M - L

L-K

Chords Tens.Comp.

3006 - 645

3006 - 645

4658 - 1078

Maximum Web Forces Per Ply (lbs)

- 592 425 - 1095 B - L 2139 - 546 J-F 2139 - 519 L - C 442 - 1092 F - I 614 - 18 C - K 730 F-H 990 - 3969 - 183 K - E 729 - 156

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 445469 FLAT Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T30 FROM: DrwNo: 264.22.0851.49453 Qty: 1 Page 2 of 2 Truss Label: E01 KD / DF 09/21/2022

Hangers / Ties

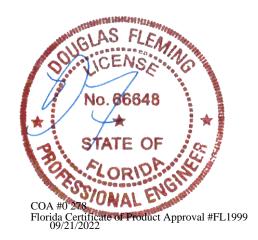
member.

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

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

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

Bearing at location x=29'5" uses the following support conditions: 29'5" Bearing H (29'5", 9') HUS26 Supporting Member: (2)2x6 SP 2400f-2.0E (14) 0.162"x3.5" nails into supporting member (6) 0.162"x3.5" nails into supported



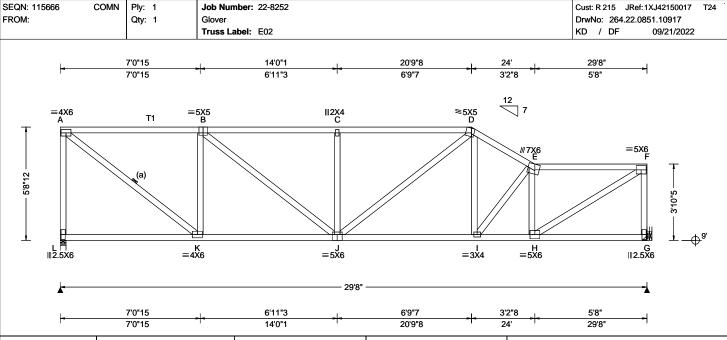
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.088 C 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.183 C 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.054 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.593
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.596
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.756
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
l ••		140 . 1	

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=29'5" uses the following support conditions: 29'5"
Bearing G (29'5", 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E uses the following

(14) 0.148"x3" nails into supporting

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

▲ Maximum Reactions (lbs)

	■ IVIdXII	num Re	สดินเดิมรู (1	ນອງ		
	Gravity			Non-Gravity		
)	Loc R-	+ /R-	/ Rh	/ Rw	/ U	/ RL
)	L 123	3 /-	/-	/624	/237	/65
	-	3 /-	/-	/641	/213	/-
	Wind re	actions b	ased on I	MWFRS		
	L Brg	Wid = 3	.5 Min I	Req = 1.7	7 (Truss	s)
	G Brg	Wid = -	Min I	Req = -		
	Bearing	Lisario	jid surface	€.		
	Membe	rs not list	ed have f	orces less	s than 3	375#
	Maximu	ım Top (Chord Fo	rces Per	Ply (lb:	s)
	Chords	Tens.C	omp.	Chords	Tens.	Comp.
_	A - B	682	1263	D-E	849	- 1739
	B-C	936 -		E - F	778	- 1626
		500	1700		110	1020

Maximum Bot Chord Forces Per Ply (lbs)

0110100	rono.comp.	Cilorac	rono. Comp	•
-	1308 - 638	I - H	1626 - 777	7
.1 - 1	1447 - 693			

Maximum Web Forces Per Ply (lbs)

936 - 1736

C-D

Webs	Tens.Comp.	Webs	Tens. Co	mp.
A - L	708 - 1178	C-J	399 -	433
A - K	1605 - 866	E - H	534 -	937
K - B	614 - 836	H-F	1904 -	908
B - J	548 - 299	F-G	636 - 1	178



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FROM: DrwNo: 264.22.0851.08283 Qty: 1 Truss Label: E03 KD / DF 09/21/2022 6'4"15 12'8"1 18'9"8 26' 29'8" 6'4"15 6'3"3 6'1"7 7'2"8 3'8' **≡4X5** ≡5X5 B **∥2X4** C ≅5X5 D (a) K ≡4X5 H ≡5X6 G ∥2.5X6 ≡5X6 ||2.5X6 =5X5 29'8' 6'4"15 6'3"3 6'1"7 7'2"8 3'8" 6'4"15 12'8"1 18'9"8 26 29'8 ▲ Maximum Reactions (lbs)

Loading Crite	ria (psf)	Wind Criteria	Snow Cri	teria (Pg	Pf in PSF)	Defl/CSI Cr	iteria		
TCLL: 20.0	00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection	n in lo	L/defl	L/#
TCDL: 10.0	,,,		Pf: NA		Ce: NA	VERT(LL):	0.072	999	240
BCLL: 0.00	U		Lu: NA	Cs: NA		VERT(CL):	0.149	999	180
BCDL: 10.0	,,	Risk Category: II	Snow Dur	ation: NA		HORZ(LL):	0.024	٠ ،	-
Des Ld: 40.0	۱n	EXP: C Kzt: NA Mean Height: 15.00 ft				HORZ(TL):	0.051	٠ ،	-
NCBCLL: 10.0		TCDL: 5.0 psf	Building C	ode:		Creep Facto	r: 2.0		
Soffit: 2.00	^	BCDL: 5.0 psf	FBC 7th E	d. 2020 F	Res.	Max TC CS	: 0.66	61	
Load Duration:		MWFRS Parallel Dist: h/2 to h	TPI Std:	2014		Max BC CS	l: 0.59	98	
Spacing: 24.0	"	C&C Dist a: 3.00 ft	Rep Fac:	Yes		Max Web C	SI: 0.79	93	
			FT/RT:20	., .,					
		GCpi: 0.18	Plate Type	e(s):					
		Wind Duration: 1.60	WAVE			VIEW Ver: 2	21.02.00	B.1108.	20
Lumber			Wind			-			

Job Number: 22-8252

SEQN: 115667

COMN

Ply: 1

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

Bearing at location x=29'5" uses the following support conditions: 29'5"
Bearing G (29'5", 9') HUS26
Supporting Member: (2)2x6 SP 2400f-2.0E uses the following

(14) 0.148"x3" nails into supporting

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 1233 /-/644 /248 /147 1233 /-/683 /195 /-Wind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.7 (Truss) Brg Wid = -Min Req = -Bearing L is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Cust: R 215 JRef: 1XJ42150017 T12

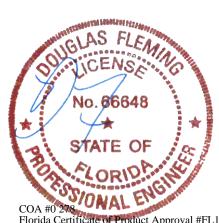
A - B	500 - 964	D-E	687 - 1670
B - C	721 - 1389	E-F	666 - 1747
C - D	721 - 1389		

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 1003 - 385 I-H 1746 - 665 1335 - 503

Maximum Web Forces Per Ply (lbs)

J - I

webs	Tens.Comp.	webs	i ens.	Comp.
A - L	682 - 1183	I-E	175	- 422
A - K	1401 - 727	E-H	500	- 1033
K - B	600 - 874	H - F	2081	- 791
B-J	568 - 288	F-G	510	- 1204
D - I	384 0			



Florida Certificate of Product Approval #FL1999 09/21/2022

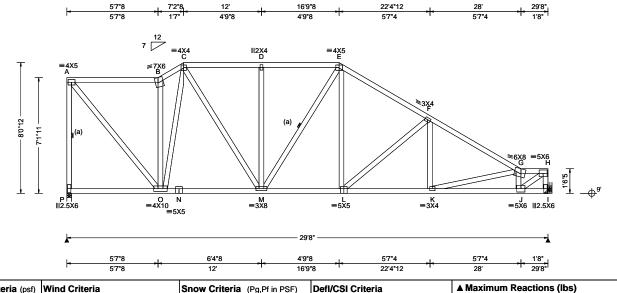
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SEQN: 115706 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T28 FROM: Qty: 1 DrwNo: 264.22.0851.05347 Truss Label: E04 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.064 L 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.134 L 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 A
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.050 A
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.517
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.474
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.942
J	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

Bearing at location x=29'5" uses the following support conditions: 29'5" Bearing I (29'5", 9') HUS26

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

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 1233 /-/654 /189 /168 1233 /-/719 /81 /-Wind reactions based on MWFRS Brg Wid = 3.5 Min Reg = 1.5 (Truss) Brg Wid = -Min Req = -Bearing P 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. 413 - 871 596 - 1476 B - C 508 - 1031 F-G 596 - 1891

Maximum Bot Chord Forces Per Ply (lbs)

Chords	I ens.C	comp.	Chords	Tens. (Jomp.
O - N N - M M - L	876	- 239 - 239 - 329	L-K K-J	1559 1640	- 448 - 498

G-H

499 - 1640

Maximum Web Forces Per Ply (lbs)

577 - 1158

577 - 1158

C-D

D-E

vvens	rens.comp.	webs	rens. Comp.
A - P	631 - 1187	L-F	170 - 485
A - O	1351 - 640	G - J	423 - 1154
B - O	487 - 783	J - H	2031 - 617
C - M	536 - 247	H - I	381 - 1210
E-L	434 - 61		

Wah



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

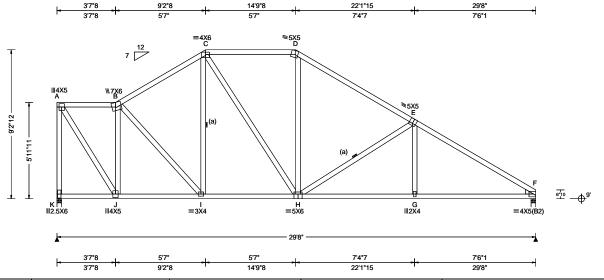
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

SEQN: 115669 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T29 FROM: DrwNo: 264.22.0851.01057 Qty: 1 Truss Label: E05 KD / DF 09/21/2022



Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member

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.

▲ Maximum Reactions (lbs)

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

473 - 1346 B - C 423 - 1117 484 - 1916

/Rh

Brg Wid = 3.5 Min Req = 1.7 (Truss)

C-D 466 - 1053

Chords Tens.Comp.

Gravity

1229 /-

1233

/R

Brg Wid = 3.5

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

J - I	715	- 84	H-G	1550	- 324
I - H	893	- 124	G-F	1552	- 322

Non-Gravity

/106

Tens. Comp.

/50

/RL

/223

/Rw /U

/648

/741

Min Reg = 1.7 (Truss)

Chords

Maximum Web Forces Per Ply (lbs) Tens Comp

vvcbs rens.comp. vvcbs rens.	
	- 1027 - 589



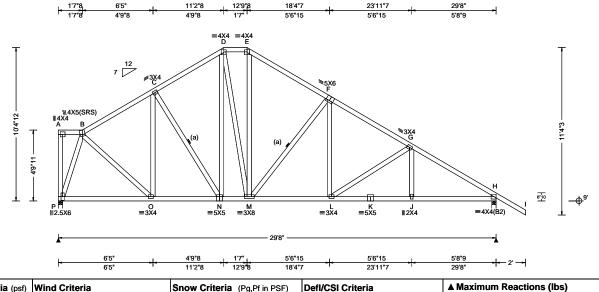
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SEQN: 115709 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T31 FROM: DrwNo: 264.22.0850.55810 Qty: 1 Glover Truss Label: E06 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.073 L 999 240 VERT(CL): 0.151 L 999 180 HORZ(LL): 0.037 H HORZ(TL): 0.076 H Creep Factor: 2.0 Max TC CSI: 0.694 Max BC CSI: 0.895 Max Web CSI: 0.554	Loc F P 12 H 13 Wind r P Br H Br Bearin Membr Maxim Chords B - C
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	C-D
Lumber				D-E

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Loc R+ Wind reactions based on MWFRS Bearings P & H are a rigid surface.

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

Gravity

Brg Wid = 3.5

1226 /-

1377

/R

Chords 277 - 1070 376 - 1138 372 - 1073 F-G 383 - 1567 365 - 895 G-H 374 - 1920

Non-Gravity

/RL

/276

/-

Tens. Comp.

/Rw /U

/645

/849

Min Reg = 1.5 (Truss)

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

Brg Wid = 3.5 Min Req = 1.6 (Truss)

rens. Comp.
1560 - 204
1560 - 204
1561 - 203

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
P - B	340 - 1236	M - F	210	- 607
B - O	621 -90	F-I	384	- 22



Florida Certificate of Product Approval #FL1999 09/21/2022

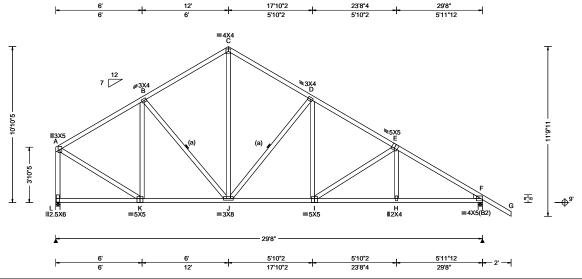
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SEQN: 115692 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T33 FROM: Qty: 2 DrwNo: 264.22.0850.47457 Truss Label: E07 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Max
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.090 I 999 240 VERT(CL): 0.172 I 999 180 HORZ(LL): 0.042 F HORZ(TL): 0.080 F Creep Factor: 2.0 Max TC CSI: 0.736 Max BC CSI: 0.956 Max Web CSI: 0.426	Loc F L 13 F 14 Wind I L BI F BI Bearin Memb Maxim Chords
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	A-B B-C
Lumber				C-D

Maximum Reactions (lbs) Gravity Non-Gravity oc R+ /R /Rh /Rw /U /RL 1349 /-/655 /287 1459 /844 /-/19 /ind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.9 (Truss) Brg Wid = 3.5 Min Req = 1.7 (Truss) earings L & F are a rigid surface. lembers not listed have forces less than 375# laximum Top Chord Forces Per Ply (lbs) hords Tens.Comp. Chords Tens. Comp. 240 - 1204 347 - 1696 - C 336 - 1198 341 - 2064

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

Bracing

(a) Continuous lateral restraint equally spaced on member

Loading

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

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

982 I - H 1681 - 173 - 98 J - I 1379 H-F 1682 - 172 - 52

Maximum Web Forces Per Ply (lbs)

335 - 1192

webs	rens.comp.	vvebs	rens. C	omp.
A - L	251 - 1305	J-D	218	- 689
A - K	1119 - 155	D - I	407	- 26
C - J	758 - 183			



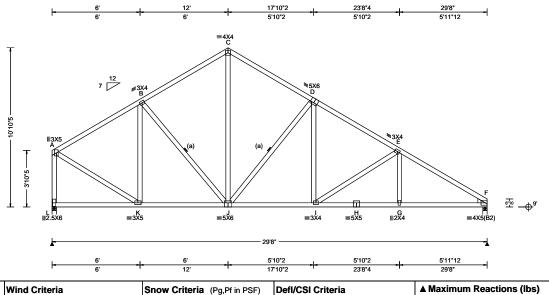
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 115712 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T32 FROM: DrwNo: 264.22.0850.44503 Qty: 1 Truss Label: E08 KD / DF 09/21/2022



L	oading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (Ibs	s)
l٦	TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
- 1	TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.072 I 999 240	Loc R+ /R- /Rh	/Rw /U /RL
E	BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.150 I 999 180	L 1231 /- /-	/655 /19 /265
E	3CDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.032 F	F 1236 /- /-	/730 /10 /-
	Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.066 F	Wind reactions based on M\	WFRS
- 1	NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0		eq = 1.5 (Truss)
- 1	D-#it- 0.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.529	F Brg Wid = 3.5 Min Re	,
- 1		BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.778	Bearings L & F are a rigid su	
- 1-		C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.396	Members not listed have for	
- `	spacing. 24.0		FT/RT:20(0)/10(0)		Maximum Top Chord Forc	
		Loc. from endwall: not in 9.00 ft			Chords Tens.Comp. Ch	hords Tens. Comp
		GCpi: 0.18	Plate Type(s):			
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20		-E 354 -155
	Lumber	•	•		^J B-C 339-1088 E	- F 358 - 195

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member

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.

Maximum Bot Chord Forces Per Ply (lbs)

337 - 1081

C-D

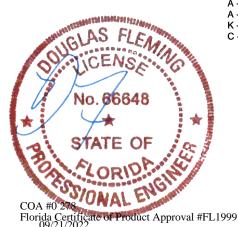
Chords	Tens.Comp.		Chords	Tens. Comp.	
K-J	879	- 57	H-G	1598	- 234
J - I	1250	- 98	G-F	1599	- 233
I-H	1598	- 234			

354 - 1550

358 - 1956

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (Comp.
A - L	252 - 1182	J-D	220	- 635
A - K	998 - 156	D-I	410	- 33
K - B	148 - 385	I - E	163	- 405
C - I	644 - 185			



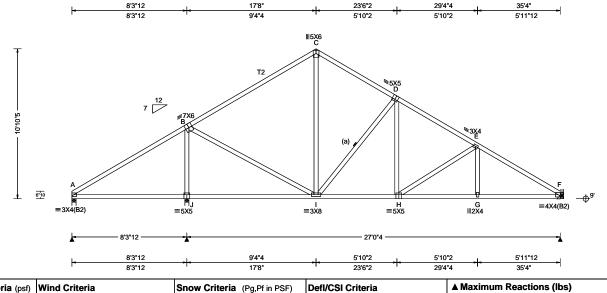
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SEQN: 115716 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T48 FROM: DrwNo: 264.22.0850.40953 Qty: 1 Truss Label: E09 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	4
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.53 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.057 H 999 240 VERT(CL): 0.115 H 999 180 HORZ(LL): 0.024 C HORZ(TL): 0.050 C Creep Factor: 2.0 Max TC CSI: 0.995 Max BC CSI: 0.659 Max Web CSI: 0.639 VIEW Ver: 21.02.00B.1108.20	
Lumber	Willia Baladion. 1.00	WAVE	VIEW VOI. 21.02.00B.1100.20	_

J	1422	/-	/-	/02/	/-	/-	
F	1136	/-	/-	/690	/23	/-	
Wii	nd read	tions bas	ed on M	WFRS			
Α	Brg W	/id = 3.5	Min Re	eq = 1.5	(Trus	s)	
J	Brg W	/id = 3.5 /id = -	Min Re	eq = 1.7	,		
F	Brg W	/id = -	Min Re	eq = -			
Bea	arings A	4 & J are	a rigid s	urface.			
Ме	mbers	not listed	have for	ces less	than 3	375#	
Maximum Top Chord Forces Per Ply (lbs)							
Ch	ords T	ens.Com	no. C	hords	Tens.	Comp.	

/Rh

1_

Non-Gravity

/RL

/273

/Rw /U

/227

Gravity

R+

482

1/122

A - B - 487 D-E 362 - 1355 183 B - C 322 - 972 E-F 365 - 1777 C-D 341 - 893

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

(J) Hanger Support Required, by others

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

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
I - H H - G	1079 - 1445 -		G-F	1447	- 240

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. (comp.
J-B	283 - 1216	I - D	209	- 601
B - I	774 0	D - H	390	- 44
C - I	440 - 121	H - E	165	- 436



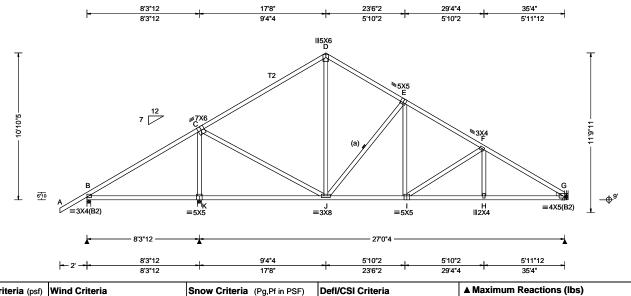
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SEQN: 115720 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T38 FROM: Qty: 5 DrwNo: 264.22.0850.36847 Truss Label: E10 KD / DF 09/21/2022



Loading Cri	iteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20	0.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10	0.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.067 I 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.	.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.123 I 999 180	B 564 /- /- /287 /37 /311
BCDL: 10	0.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.026 D	K 1715 /- /- /893 /- /-
Des Ld: 40	0.00	EXP: C Kzt: NA		HORZ(TL): 0.049 D	G 1167 /- /- /690 /20 /-
NCBCLL: 10	0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
1	.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.949	B Brg Wid = 3.5 Min Req = 1.5 (Truss)
Load Duratio		MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.724	K Brg Wid = 3.5 Min Req = 2.0
Spacing: 24.		C&C Dist a: 3.53 ft	Rep Fac: Yes	Max Web CSI: 0.709	G Brg Wid = - Min Req = -
opasing. 2 ii		Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Bearings B & K are a rigid surface. Members not listed have forces less than 375#
		GCpi: 0.18	Plate Type(s):		- Maximum Top Chord Forces Per Ply (lbs)
		Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	Chords Tens.Comp. Chords Tens. Comp.
Lumbor			•	·	

Lumbe	

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

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

Bracing

(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.

Wind loading based on both gable and hip roof types.

Chords	Tens.Comp.	Chords	Tens. Comp.
C-D	303 - 986	E-F	343 - 1421
D-F	323 - 907		348 - 1831

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
J-I	1133 1492		H-G	1493	- 225

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
K-C	351 - 1349	J - E	208	- 667
C-J	874 - 1	E-I	433	- 44
D - J	422 - 100	I-F	167	- 421



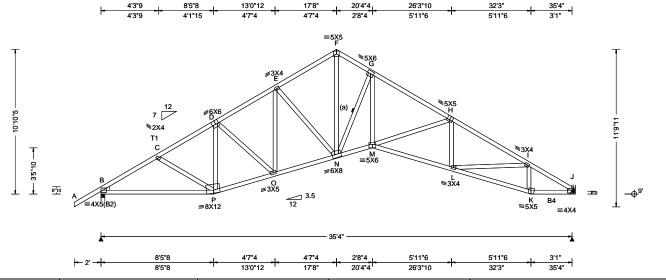
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SEQN: 115835 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T3 FROM: Qty: 3 DrwNo: 264.22.0850.31970 Truss Label: E11 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	
	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.223 M 999 240	
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.462 M 913 180	
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.123 J	
Dec I d: 10 00	EXP: C Kzt: NA		HORZ(TL): 0.256 J	
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0	
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.498	
	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.889	
	C&C Dist a: 3.53 ft	Rep Fac: Yes	Max Web CSI: 0.655	
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		
	GCpi: 0.18	Plate Type(s):		1
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x4 SP M-31; Webs: 2x4 SP #3;

Lt Wedge: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on

member

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

NA	PP Deflection	onin loc L	/defl	_/#	
4	VERT(LL):			240	Lo
	VERT(CL):	0.462 M	913	180	В
	HORZ(LL):	0.123 J	-	-	J
	HORZ(TL):	0.256 J	-	-	Wi
	Creep Facto	or: 2.0			В
	Max TC CS	1: 0.498			J
	May DO CO				Ве

▲ Maximum Reactions (lbs) Gravity Non-Gravity c R+ /R /Rh /Rw /U /RL 1615 /-/978 /311 1479 /867 /ind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.9 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 469 - 1970 C - D 426 - 2160 G - H 498 - 2769 D-E 475 - 2225 H - I 558 - 3164

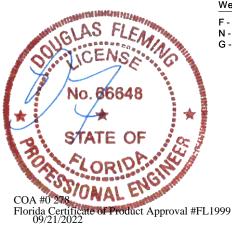
445 - 1989

Chords	Tens.C	Comp.	Chords	Tens. (Comp.
B - P	1926	- 325	M - L	2790	- 366
P - O	1924	- 247	L-K	2137	- 366
O - N	1948	- 180	K-J	1993	- 429
N - M	2370	- 162			

415 - 2309

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
F-N	1718 - 376	М - Н	200 - 385
N - G	288 - 1636	L-I	637 0
G - M	1629 - 164	I-K	191 - 744



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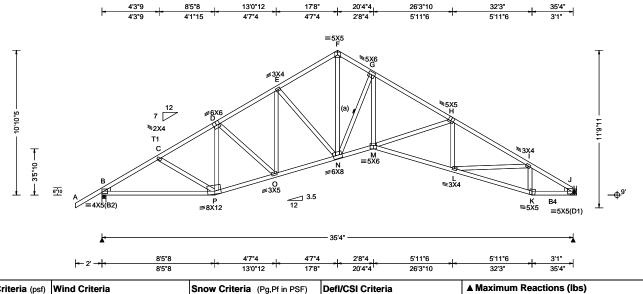
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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



SEQN: 115827 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 FROM: Qty: 6 DrwNo: 264.22.0850.28850 Truss Label: E12 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
1.0220.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.211 M 999 240
DCLL. 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.438 M 964 180
10.00 I	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.124 J
Dec 1 4: 40 00	EXP: C Kzt: NA		HORZ(TL): 0.256 J
INCOCII, 40 00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
0 - 46:4 0 00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.522
	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.891
I	C&C Dist a: 3.53 ft	Rep Fac: Yes	Max Web CSI: 0.657
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x4 SP M-31; Webs: 2x4 SP #3;

Rt Wedge: 2x4 SP #3;Lt Wedge: 2x4 SP #3;

(a) Continuous lateral restraint equally spaced on member

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

Wind loading based on both gable and hip roof types.

: INA	PP Deliection	on in ic	ᅜᄔ	aen i	∟/#	
	VERT(LL):					Ŀ
	VERT(CL):	0.438	М	964	180	В
	HORZ(LL):	0.124	J	-	-	J
	HORZ(TL):	0.256	J	-	-	W
	Creep Facto	or: 2.0				В
	Max TC CS	1: 0.5	522			Ĩ
						ĸ

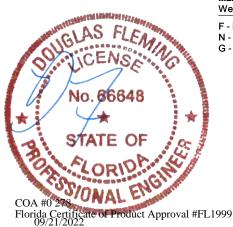
Gravity Non-Gravity oc R+ /R /Rh /Rw /U /RL 1617 /-/979 /311 /866 /-1476 Vind reactions based on MWFRS Brg Wid = 3.5Min Reg = 1.9 (Truss) Brg Wid = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. 470 - 1976 C-D 427 - 2165 G-H 500 - 2780 D-E 476 - 2230 H - I 561 - 3180 433 - 2389 446 - 1995

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. (Comp.
B - P	1930	- 325	M - L	2807	- 369
P - O	1928	- 248	L-K	2184	- 374
O - N	1953	- 181	K-J	2009	- 334
N - M	2389	- 164			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
F-N	1724 - 377	М - Н	201 - 391	
N - G	290 - 1645	L-I	605 0	
G - M	1641 - 167	I-K	172 - 653	



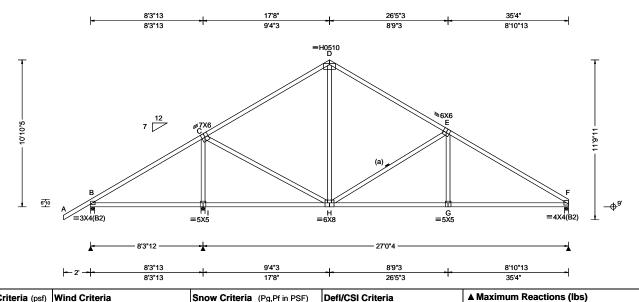
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SEQN: 115732 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T44 FROM: DrwNo: 264.22.0850.26710 Qty: 1 Truss Label: E13 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.043 G 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.085 G 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.018 F
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.038 F
NCBCLL: 10.00	Mean Height: 0.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.368
Load Duration: 1.25	MWFRS Parallel Dist: > 2h	TPI Std: 2014	Max BC CSI: 0.762
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.636
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00B.1108.20

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

NΑ	PP Deflection in loc L/defl L/#
4	VERT(LL): 0.043 G 999 240
	VERT(CL): 0.085 G 999 180
	HORZ(LL): 0.018 F
	HORZ(TL): 0.038 F
	Creep Factor: 2.0
	Max TC CSI: 0.368
	Max BC CSI: 0.762
	Max Web CSI: 0.636

Brg Wid = 3.5 Bearings B, I, & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C

C-D

Loc R+

1408

1135

В 599

Gravity

Brg Wid = 3.5

Chords Tens. Comp. D-E 323 - 965 E-F 349 - 1683

Non-Gravity

/43

/RL

/311

/Rw / U

/301

/874

/708

Min Req = 1.5 (Truss)

Min Req = 1.5 (Truss)

Min Req = 1.7

Maximum Bot Chord Forces Per Ply (lbs)

/Rh

Wind reactions based on MWFRS Brg Wid = 3.5

317 - 976

Chords	Tens.Comp.	Chords	Tens. Comp.		
H-G	1336 - 192	G-F	1338	- 191	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
I - C	320 - 1209	D-H	433	- 78	
C-H	742 0	H-E	261	- 737	



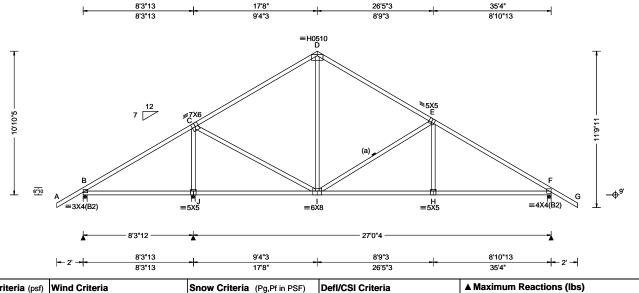
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SEQN: 115736 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T43 FROM: Qty: 1 DrwNo: 264.22.0850.24450 Truss Label: E14 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	l
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.53 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): 0.048 H 999 240 VERT(CL): 0.094 H 999 180 HORZ(LL): 0.018 F HORZ(TL): 0.037 F Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.746 Max Web CSI: 0.645	
	Wind Duration: 1.60	WAVE, HS	VIEW Ver: 21.02.00B.1108.20	
Lumber				•

	1426		/-	/883	/-	/-	
F	1270	/-	/-	/823	/35	/-	
Wi	nd read	tions b	ased or	MWFRS			
В	Brg V	/id = 3	.5 Mir	Req = 1.5	(Trus	s)	
J	Brg V	/id = 3	.5 Mir	n Req = 1.7	•		
F	Brg V	/id = 3	.5 Mir	n Req = 1.5	(Trus	s)	
Bearings B, J, & F are a rigid surface.							
Members not listed have forces less than 375#							
Maximum Top Chord Forces Per Ply (lbs)							
						-	

/Rh

Non-Gravity

/RL

/334

/Rw /U

/294 /47

Gravity

Loc R+

В 591

Chords Tens.Comp. Chords Tens. Comp. B - C D - E - 948 207 - 398 322 C - D 317 - 961 336 - 1651

Bracing

Top chord: 2x4 SP M-31;

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

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.	
I - H	1302 - 129	H - F	1305 - 128	

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.		
J-C	311 - 1226	D-I	425	- 75	
C-I	759 0	I-E	251	- 713	



Florida Certificate of Product Approval #FL1999 09/21/2022

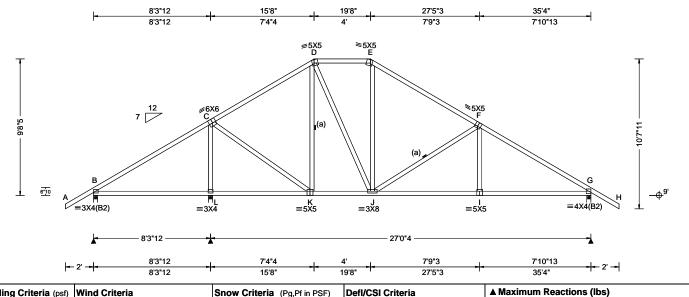
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SEQN: 115760 COMN Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T47 FROM: Qty: 1 DrwNo: 264.22.0850.06173 Truss Label: E15 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	▲ Maximum Reactions (lbs)	
TCLL: 20.00	Wind Std: ASCE 7-16	Pa: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.059 I 999 240	Loc R+ /R- /Rh	/Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.116 I 999 180	B 597 /- /-	/329 /52 /303
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 G	L 1424 /- /-	/838 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.046 G	G 1271 /- /-	/818 /41 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MW	FRS
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.803		= 1.5 (Truss)
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.616	L Brg Wid = 3.5 Min Req	
Spacing: 24.0 "	C&C Dist a: 3.53 ft	Rep Fac: Yes	Max Web CSI: 0.647	G Brg Wid = 3.5 Min Req Bearings B, L, & G are a rigid	. , ,
J	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		Members not listed have force	
	GCpi: 0.18	Plate Type(s):		- Maximum Top Chord Force	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20		ords Tens. Comp
1					

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.

THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

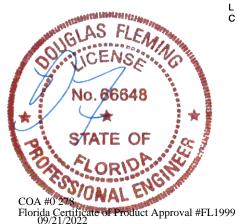
Chords Tens.Comp. Chords Tens. Comp. 406 - 1081 410 - 1688 B - C E-F 159 - 404 378 - 887 C-D F-G D-E -818 409

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
K - J	659	- 46	I-G	1348	- 204	
J - I	1346	- 205				

Maximum Web Forces Per Ply (lbs)

vvebs	rens.comp.	vvebs	rens. C	Jomp.
L-C C-K	371 - 1231 777 - 90			- 105 - 630

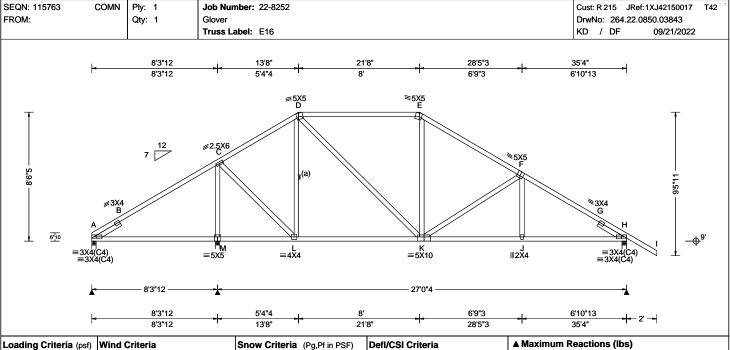


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
TCLL: 20.00 TCDL: 10.00	Wind Std: ASCE 7-16 Speed: 130 mph	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA	PP Deflection in loc L/defl L/# VERT(LL): 0.144 B 679 240	L
BCLL: 0.00 BCDL: 10.00	Enclosure: Closed Risk Category: II	Lu: NA Cs: NA Snow Duration: NA	VERT(CL): 0.144 B 079 240 VERT(CL): 0.304 B 322 180 HORZ(LL): 0.096 B -	1 -
Des Ld: 40.00 NCBCLL: 10.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.090 B Creep Factor: 2.0	ŀ
Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.850 Max BC CSI: 0.633	1
Load Duration: 1.25 Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.53 ft	Rep Fac: Yes FT/RT:20(0)/10(0)	Max Web CSI: 0.629	H
	Loc. from endwall: not in 4.50 ft GCpi: 0.18	Plate Type(s):		N
Lumber	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20	2

Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL 454 /239 /128 /249 1379 /-/-/800 /155 1288 /-/813 /248 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 3.5 Brg Wid = 3.5 Min Req = 1.6 Min Req = 1.5 (Truss) Bearings A, M, & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

504 - 1242 A - B 1039 - 1217 E-F C-D 439 - 840 F-G 501 - 1676 - 984 593 - 1927 D-E 498 G-H

Rt Slider: 2x4 SP #3; block length = 1.916

Top chord: 2x4 SP #2;

Bot chord: 2x4 SP #2:

Webs: 2x4 SP #3;

Bracing (a) Continuous lateral restraint equally spaced on member.

Slider: 2x4 SP #3; block length = 1.963'

Wind

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

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.		
L-K	653	- 92	J - H	1385	- 295	
K - J	1382	- 295				

Maximum Web Forces Per Ply (lbs)

webs	rens.comp.	vvebs	rens. c	Jonip.	
M - C	345 - 1196	D-K	501	- 118	
C - L	799 - 124	K-F	174	- 479	
L-D	161 - 449				



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SEQN: 115766 HIPS Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T21 FROM: Qty: 1 DrwNo: 264.22.0850.00573 Truss Label: E17 KD / DF 09/21/2022 4'4"8 8'9" 14'9' 20'9" 26'6"3 32'5' 4'4"8 6' 5'9"3 5'10"13 =4<u>X</u>6 ∥2X4 D ₹5<u>7</u>5 **∌3**X4 - 2'3"1 вз н M ⊪3X6 K ≡5X5 =3X8 ≡3X5 =5X5 ≡5X5(B2) 112X4 4'4"8 4'4"8 5'9"3 5'10"13 4'4"8 8'9' 14'9' 20'9' 26'6"3 32'5' ▲ Maximum Reactions (lbs)

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.24 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.080 I 999 240 VERT(CL): 0.167 I 999 180 HORZ(LL): 0.036 G HORZ(TL): 0.075 G Creep Factor: 2.0 Max TC CSI: 0.555 Max BC CSI: 0.505 Max Web CSI: 0.474 VIEW Ver: 21.02.00B.1108.20	G Brg Wid = 3.5 Min Bearing G is a rigid surfac Members not listed have t Maximum Top Chord Fo Chords Tens.Comp. A - B 492 - 1385	Req = - Req = 1.5 (Truss) ce. forces less than 375# orces Per Ply (lbs) Chords Tens. Comp D - E 750 - 156
Lumber		•		B - C 641 - 1504	E-F 715 -178

Top chord: 2x4 SP #2;

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

Webs: 2x4 SP #3; Rt Wedge: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Wind loads based on MWFRS with additional C&C

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

I I Dellectic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_/uc::	∟/π		_			
VERT(LL):	0.080 I	999	240	Loc	: R+	/ R-	/ Rh	/ Rw
VERT(CL):				М	1345	/-	/-	/742
HORZ(LL):					1351		/-	/786
HORZ(TL):	0.075 G	-	-	Wir	nd read	tions	based on	MWFRS
Creep Facto	or: 2.0						- Min	
Max TC CS	l: 0.555			G	Brg V	Vid = ∶	3.5 Min	Req = 1.5

A-B B-C	492 - 1385	D - E	750	- 1566
B - C	641 - 1504	E-F	715	- 1784
C-D	750 - 1566	F-G	699	- 2161

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords 1165 - 321 I - H 1775 - 526 K-J 1238 - 357 H - G 1776 - 525 1448 J - I - 416

Maximum Web Forces Per Ply (lbs) Tens Comp Webs

*****	rono.comp.	******	rono. comp.		
A - M	454 - 1306	D-J	360	- 395	
A - L	1244 - 405	E-I	402	- 31	
L - B	215 - 437	I-F	151	- 380	
C - J	505 - 255				



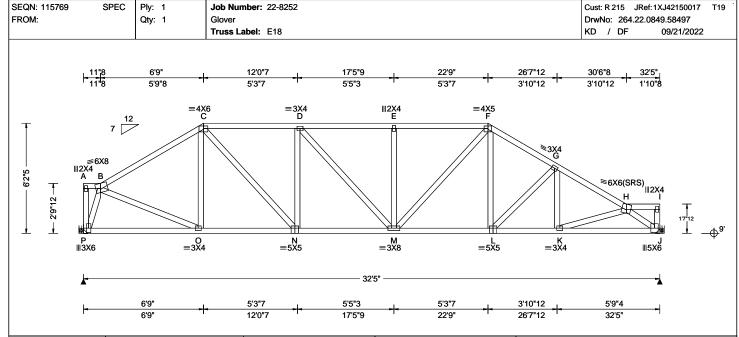
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Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria
Pg: NA Ct: NA CAT: NA PP Deflection in loc L/defl L/#
Pf: NA Ce: NA VERT(LL): 0.090 E 999 240
Lu: NA Cs: NA VERT(CL): 0.187 E 999 180
Snow Duration: NA HORZ(LL): 0.036 J
HORZ(TL): 0.074 J
Building Code: Creep Factor: 2.0
FBC 7th Ed. 2020 Res. Max TC CSI: 0.351
TPI Std: 2014 Max BC CSI: 0.534
Rep Fac: Yes Max Web CSI: 0.461
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE VIEW Ver: 21.02.00B.1108.20

▲ M	aximu	ım Re	actions	(lbs)		
	G	ravity		N	lon-Grav	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Р	1348	/-	/-	/719	/239	/116
J	1348	/-	/-	/746	/234	/-
Win	d read	tions b	ased o	n MWFRS		
Р	Brg V	/id = -	Mi	n Req = -		
J	Brg V	/id = -	Mi	n Req = -		
Men	nbers	not list	ed have	e forces les	s than 3	375#
Max	imum	Top (Chord F	orces Pe	Ply (lb	s)
Cho	rds T	ens.C	omp.	Chords	Tens.	Ćomp.
В-0	2	650 -	1536	E-F	921	- 1875
C - I	5	867 -	1743	F-G	828	- 1899
D - I	=	921 -	1875	G-H	803	- 2140
	Loc P J Win- P J Men Max Cho B - (P 1348 J 1348 Wind read P Brg W J Brg W Members Maximum	Gravity	Core Core	Loc R+ / R- / Rh / Rw P 1348 /- /- /746 J 1348 /- /- /746 Wind reactions based on MWFRS P Brg Wid = - Min Req = - J Brg Wid = - Min Req = - Min Req = - Members not listed have forces les Maximum Top Chord Forces Pet Chords Tens.Comp. Chords B - C 650 - 1536 E - F C - D 867 - 1743 F - G	Gravity

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Choras	rens.c	omp.	Choras	rens. (Jomp.
P - O	533	- 196	M - L	1572	- 583
O - N	1260	- 471	L-K	1798	- 649
N - M	1765	- 718	K - J	1747	- 681

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
P - B	638 - 1473	N - D	340 - 453
B - O	789 - 291	M - F	453 - 286
C - N	734 - 385	H - J	840 - 2137



Florida Certificate of Product Approval #FL1999

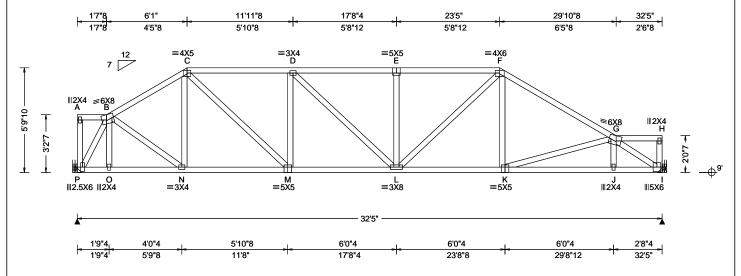
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SEQN: 445455 SPEC Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T34 FROM: Qty: 1 DrwNo: 264.22.0849.51763 Truss Label: E19 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.098 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.204 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.039 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.081 I
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.551
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max BC CSI: 0.554
Spacing: 24.0 "	C&C Dist a: 3.24 ft	Rep Fac: Yes	Max Web CSI: 0.540
' '	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

	▲ M	axim	um Rea	ctions	(lbs)			
		G	avity		N	on-Grav	vity	
)	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
5	Р	1348	/-	/-	/705	/242	/96	_
	1	1348	/-	/-	/733	/235	/-	
	Win	d read	ctions b	ased or	n MWFRS			
	Р	Brg V	Vid = -	Mii	n Req = -			
	1	Brg V	Vid = -	Mii	n Req = -			
	Men	nbers	not liste	ed have	forces les	s than 3	375#	
	Max	imun	n Top C	hord F	orces Per	Ply (lb	s)	
	Cho	rds -	Tens.Co	mp.	Chords	Tens.	Ćomp.	
	В-0	0	659 -	1484	E-F	996	- 2002	
	C - I	D	933 -	1861	F-G	843	- 2006	
	D - E	E	996 -	2002				

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 5-9-10.

Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. P - 0 733 - 284 1639

-650 O - N 735 - 282 1902 - 734 K-J N - M - 505 - 739 1241 1895 1886 M - L - 818

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.	
P - B	622 - 1495	M - D	371 - 490	
B - N	601 - 263	L-F	503 - 316	
C - M	869 - 441	G - I	891 - 2287	



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SEQN: 445479 SPEC Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T18 Ply: 1 FROM: DrwNo: 264.22.0849.46637 Qty: 1 Truss Label: E20 KD / DF 09/21/2022 3'9"13_ 2'6"5 11'2"3 18'3"9 25'5' 27'10"8 32'5" 7'4"6 7'1"7 7'1"7 2'5"8 4'6"8 =6X6 =7X6 D ∥3X4 E ≡7X6 B SS0710(**) ТЗ ∥2X4 H W4 w6 w۶ ⊕9' 0 ⊪4X10 =7X6 M ≡5X5 =4X12 =H0710 ∥4X6 =10X10 32'5" 7'4"15 6'3"8 10'8"3 25'8"8 18'3"9

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.220 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.439 E 886 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.049 I
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.097 I
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.441
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.458
Spacing: 24.0 "	C&C Dist a: 3.24 ft	Rep Fac: Varies by Ld Case	Max Web CSI: 0.884
	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, 18SS, HS	VIEW Ver: 21.02.01.1214.12

Lumber

Top chord: 2x4 SP M-31; T3,T4 2x6 SP 2400f-2.0E; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP M-31; W3,W5 2x4 SP #2; W4,W6,W7,W8, W9 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 63 plf at 32 plf at 63 plf at TC: From 63 plf at 0.00 to 1.29 25.42 32.42 TC: From TC: From 32 plf at 63 plf at 1.29 to 25.42 to BC: From 10 plf at 0.00 to 10 plf at 32.42 101 lb Conc. Load at 0.98 TC: 182 lb Conc. Load at 2.98 TC: 192 lb Conc. Load at 4.98, 6.98, 8.98,10.98 12.98,14.98,16.98,18.98,20.98,22.98,24.98 90 lb Conc. Load at 26.98,28.98,30.98

286 lb Conc. Load at 0.98 132 lb Conc. Load at 2.98, 4.98, 6.98, 8.98 10.98,12.98,14.98,16.98,18.98,20.98,22.98,24.98 BC: 205 lb Conc. Load at 26.98,28.98,30.98

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is

3349 /-/-/-/818 Wind reactions based on MWFRS Brg Wid = -Min Reg = -0 Brg Wid = -Min Req = -Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 689 - 2755 E - F 1630 - 6530 1475 - 5928 1309 - 5288 C - D D-E 1629 - 6527

/Rh

Non-Gravity

/915 /86

/RL

/Rw / U

▲ Maximum Reactions (lbs) Gravity

Loc R+

3407 /-

O

Maximum Bot Chord Forces Per Ply (lbs)

Cnoras	rens.Comp.	Choras	rens. Comp.
O - N N - M M - L	1032 - 170 2772 - 608 2772 - 608	L-K K-J J-I	6008 - 1426 4529 - 1058 4607 - 1060

Maximum Web Forces Per Ply (lbs)

Webs	rens.comp.	webs	i ens.	Comp.
О-В	822 - 3319	D-K	602	- 136
B - N	3402 - 855	E - K	500	- 957
N-C	772 - 2394	K - F	2321	- 563
C-L	3619 - 893	F-J	769	- 68
L-D	566 - 1225	G-I	1287	- 5387

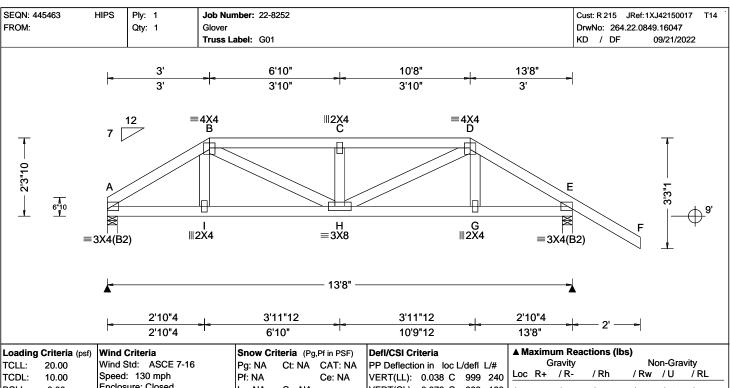


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TCLL: 20.00	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.038 C 999 240 VERT(CL): 0.076 C 999 180 HORZ(LL): 0.015 E HORZ(TL): 0.029 E Creep Factor: 2.0 Max TC CSI: 0.603 Max BC CSI: 0.461	П

	▲ Maxi	mum Rea	actions (lbs)			
		Gravity		No	n-Grav	rity	
)	Loc R	+ /R-	/ Rh	/ Rw	/ U	/ RL	
)	A 686	6 /-	/-	/-	/144	/-	
	E 843	3 /-	/-	/-	/199	/-	
	Wind re	eactions b	ased on	MWFRS			
	A Bro	g Wid = 3	.5 Min	Req = 1.5	(Truss	s)	
	E Br	Wid = 3	.5 Min	Req = 1.5	(Truss	s)	
	Bearing	js A & E a	are a rigid	I surface.			
	Membe	rs not list	ed have f	orces less	than 3	75#	
	Maximum Top Chord Forces Per Ply (lbs)						
	Chords	Tens.Co	omp.	Chords	Tens.	Comp.	
	A - B	224 -	1019	C-D	280	- 1220	
	B-C	280 -		Ď-Ē	208	- 975	

Lumber

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

Special Loads

(Lumber	Dur.Fac.=1	.25 / Plate D	Our.Fac.=1.2	25)
TC: From	63 plf at	0.00 to	63 plf at	3.00
TC: From	32 plf at	3.00 to	32 plf at	10.67
TC: From	63 plf at	10.67 to	63 plf at	15.67
BC: From	20 plf at	0.00 to	20 plf at	3.00
BC: From	10 plf at	3.00 to	10 plf at	10.67
BC: From	20 plf at	10.67 to	20 plf at	13.67
BC: From	5 plf at	13.67 to	5 plf at	15.67
TC: 68 lb	Conc. Load	at 3.06,10	60	

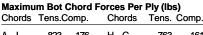
53 lb Conc. Load at 5.06, 6.83, 8.60 BC: 63 lb Conc. Load at 3.06,10.60 52 lb Conc. Load at 5.06, 6.83, 8.60 BC:

Wind

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

Additional Notes

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



rimum Wah Farase Par Ply (lhe)

0	. оо.ор.	0	. oo. o op.	
A - I I - H	823 - 176 817 - 180	_	763 - 161 767 - 156	

	Tens.Comp.			Comp.
R - H	454 - 113	H-D	515	- 134



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

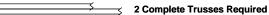
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

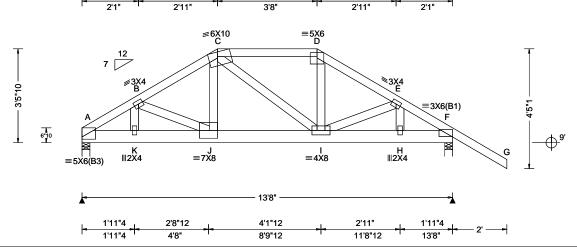
SEQN: 445481 HIPS Ply: 2 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T1 FROM: Qty: 1 DrwNo: 264.22.0848.04040 Truss Label: G02 KD / DF 09/21/2022

8'8'

11'7'

13'8"





TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0" Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Lu: NA Cs: NA Snow Duration: NA HORZ(LL): 0.014 B Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s):					т
TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 " Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 ps	Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	١
	TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0)	PP Deflection in loc L/defl L/# VERT(LL): 0.058 J 999 240 VERT(CL): 0.116 J 999 180 HORZ(LL): 0.014 B HORZ(TL): 0.028 B Creep Factor: 2.0 Max TC CSI: 0.570 Max BC CSI: 0.700	

Lumber

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

Nailnote

Nail Schedule:0.128"x3", min. nails Top Chord: 1 Row @12.00" o.c. Bot Chord: 2 Rows @ 5.50" o.c. (Each Row) Webs : 1 Row @ 4" o.c. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

--(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) 0.00 to TC: From 63 plf at 63 plf at 15.67 BC: From 10 plf at 0.00 to 10 plf at BC: From 20 plf at 6.60 to 20 plf at 13.67 BC: From 5 plf at 13.67 to BC: 1345 lb Conc. Load at 1.94 BC: 1348 lb Conc. Load at 3.94, 4.60 13.67 to 5 plf at 15.67 BC: 3407 lb Conc. Load at 6.60

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 3-5-10.

Loc R+ 5297 /-3356 Wind reactions based on MWFRS Brg Wid = 3.5Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & F are a rigid surface. Members not listed have forces less than 375#

J - I

Maximu	m Top Chord	Forces Per	Ply (lb	s)
Chords	Im Top Chord I Tens.Comp.	Chords	Tens.	Comp.
A-B B-C	818 - 3879	D-E	681	- 2933
B-C	876 - 3928	E-F	498	- 2228
C-D	568 - 2457			

3155 - 704

▲ Maximum Reactions (lbs) Gravity

/Rh

/-

/R

Maximum Bot Chord Forces Per Ply (lbs) Tens. Comp. Chords Tens.Comp. Chords 3270 - 689 I - H 1898 - 423 A - K K-J 3270 - 692 H - F 1864 - 414

Non-Gravity

/Rw /U /RL

Min Reg = 2.2 (Truss)

/1124 /-

/776 /-

Maximum Web Forces Per Ply (lbs)

vvebs	rens.c	omp.	vvebs	rens. (Jomp.
J-C	2419	- 506	I-E	686	- 175
C - I	175	- 898	E - H	169	- 618
D-I	1240	- 206			



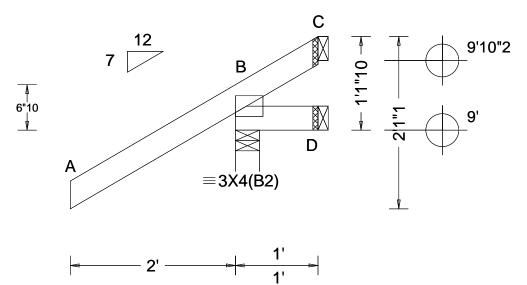
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SEQN: 115679 JACK Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T16 FROM: DrwNo: 264.22.0847.25833 Qty: 8 Glover Truss Label: J01 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 C
NCBCLL: 10.00	Mean Height: 15.00 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.464
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.061
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.000
-	Loc. from endwall: Any	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
Lumber	•	•	

▲ M			ctions (II	•		
	G	ravity		No	on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/U	/ RL
В	335	/-	/-	/273	/89	/52
D	8	/-17	/-	/14	/14	/-
С	-	/-100	/-	/54	/95	/-
Win	d read	ctions ba	sed 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	ring B	is a rigid	d surface	e		
Men	nbers	not liste	d have fo	orces les	s than	375#
IVICI	IIDCIS	not nate	u nave ic	1003 103	5 triari	J1 Jπ

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



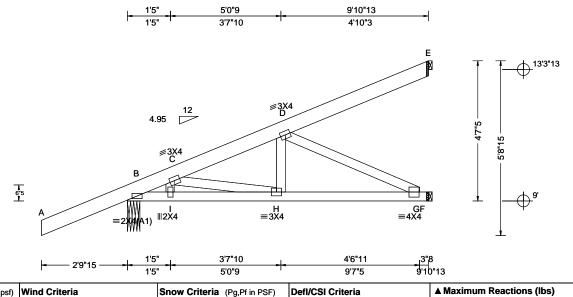
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SEQN: 115697 HIP_ Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T10 FROM: DrwNo: 264.22.0847.15287 Qty: 2 Truss Label: J01HJ KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria	4
Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf BCDL: 5.0 psf WWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 D 999 240 VERT(CL): 0.022 D 999 180 HORZ(LL): 0.003 D HORZ(TL): 0.007 D Creep Factor: 2.0 Max TC CSI: 0.142 Max BC CSI: 0.194 Max Web CSI: 0.314 VIEW Ver: 21.02.00B.1108.20	
Lumber				-

		G	ravity	•	No	n-Grav	ity
0	Loc	R+	/ R-	/ Rh	/Rw	/ U	/ RL
0	В	546	/-	/-	/-	/116	/-
	F	338	/-	/-	/1	/-	/-
	Е	272	/-	/-	/-	/98	/-
	Win	d reac	tions bas	sed on MV	VFRS		
	В		Vid = 4.9	Min Re	q = 1.5	(Truss	s)
		Brg V	Vid = 1.5	Min Re	eq = -		
		•		Min Re	eq = -		
		•	-	surface.			
	Men	nbers	not listed	have for	ces less	than 3	75#
_				ord Force	es Per	Ply (lbs	s)
	Cho	rds T	ens.Con	np.			

C-D 91 - 614

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

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

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

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

H - G 546

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs Tens. Co		Comp.
C - H	389	- 89	D-G	99	-610



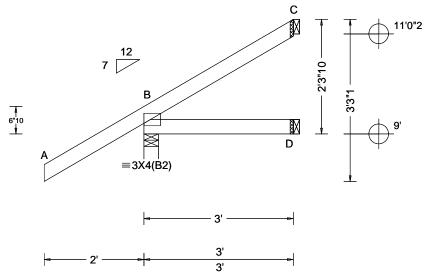
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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SEQN: 115680 JACK Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T62 FROM: Qty: 9 DrwNo: 264.22.0847.09213 Truss Label: J02 KD / DF 09/21/2022



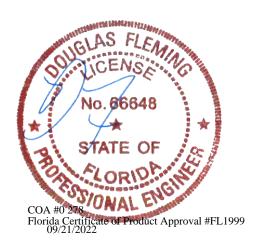
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 C HORZ(TL): 0.003 C Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.073 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
Lumber			

▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ /Rh /Rw /U /RL В 312 /231 /94 D 52 /-/32 /-53 /41 /39 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Brg Wid = 1.5 Min Req = -Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

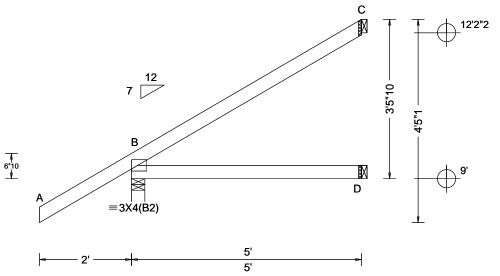
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 115681 JACK Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T52 FROM: Qty: 4 DrwNo: 264.22.0846.58370 Truss Label: J03 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.003 C HORZ(TL): 0.004 B Creep Factor: 2.0 Max TC CSI: 0.407 Max BC CSI: 0.253 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

Gravity !					on-Gra	vity
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
В	376	/-	/-	/266	/43	/135
D	92	/-	/-	/52	/-	/-
С	127	/-	/-	/80	/76	/-
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	e		
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

Wind loading based on both gable and hip roof types.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

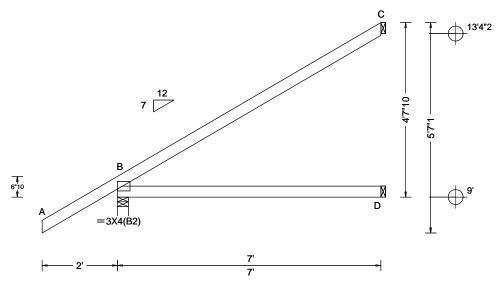
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 115682 **EJAC** Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T53 FROM: Qty: 7 DrwNo: 264.22.0846.54513 Truss Label: J04 KD / DF 09/21/2022



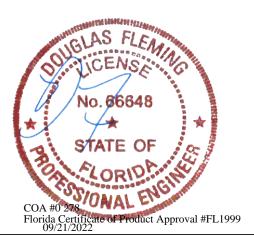
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s):	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.009 B HORZ(TL): 0.018 B Creep Factor: 2.0 Max TC CSI: 0.750 Max BC CSI: 0.539 Max Web CSI: 0.000
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20

▲ Maximum Reactions (lbs) Gravity Non-Gravity oc R+ /Rh /Rw /U 450 /-/310 /42 /176 132 /-/-/73 /124 192 /109 Wind reactions based on MWFRS Brg Wid = 3.5 Min Req = 1.5 (Truss) Brg Wid = 1.5 Min Req = -Brg Wid = 1.5 Min Req = -Bearing B is a rigid surface. Members not listed have forces less than 375#

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

Wind loads based on MWFRS with additional C&C

Wind loading based on both gable and hip roof types.



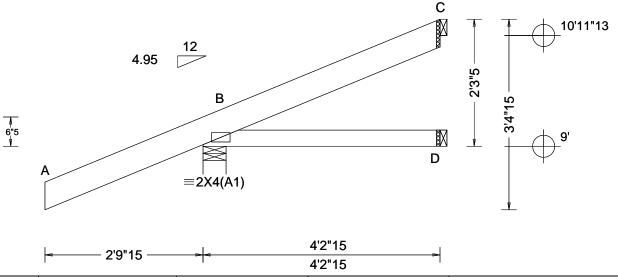
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SEQN: 445461 HIP_ Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T5 FROM: DrwNo: 264.22.0837.25850 Qty: 2 Glover Truss Label: J05HJ KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	DefI/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 B
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft	Building Code:	HORZ(TL): 0.005 B Creep Factor: 2.0
NCBCLL: 0.00 Soffit: 2.00	TCDL: 5.0 psf BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.344
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max BC CSI: 0.128
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: No	Max Web CSI: 0.000
	Loc. from endwall: NA	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12

▲ Maximum Reactions (lbs)							
	G	ravity		No	on-Gra	vity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
	323		/-	/-	/85	/-	
D	11	/-	/-	/15	/-	/-	
С	15	/-	/-	/-	/9	/-	
Wind reactions based on MWFRS							
В	Brg V	Vid = 4	.9 Min F	Req = 1.5	5 (Trus	s)	
D	Brg V	Vid = 1	.5 Min F	Req = -	•	•	
С	Brg V	Vid = 1	.5 Min F	?eq = -			
Bearing B is a rigid surface.							
Mer	nbers	not list	ed have fo	rces les	s than	375#	

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

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

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

The overall height of this truss excluding overhang is



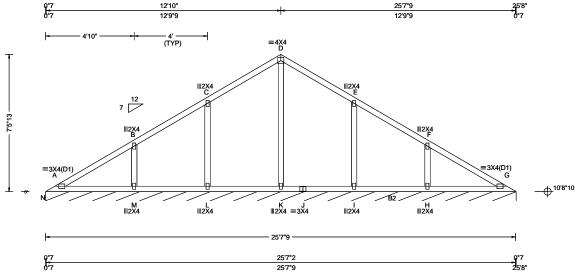
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.011 A 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.022 A 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 G
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.00 ft		HORZ(TL): 0.008 G
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.270
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.189
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.276
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL N* 83 /-/-/43 /7 Wind reactions based on MWFRS N Brg Wid = 307 Min Req = Bearing N is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; 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 VALTN160118 and VAL180160118 for valley details.



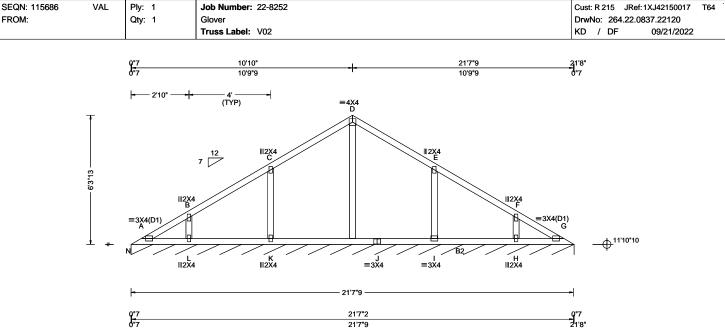
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.008 D 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.017 D 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.005 C
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.20 ft		HORZ(TL): 0.010 C
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.195
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.173
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.083
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
Lumber			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL N* 83 /-/-/43 Wind reactions based on MWFRS N Brg Wid = 259 Min Req = Bearing N is a rigid surface. Members not listed have forces less than 375#

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

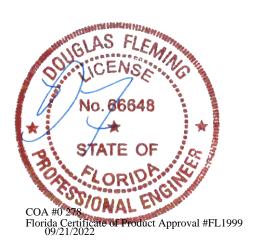
Wind

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 VALTN160118 and VAL180160118 for valley details.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

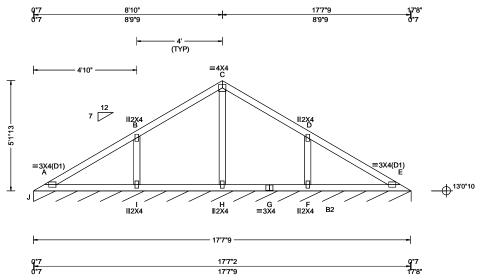
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

SEQN: 115687 VAL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 FROM: DrwNo: 264.22.0837.20933 Qty: 1 Truss Label: V03 KD / DF 09/21/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.009 E 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.020 E 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 A
Des Ld: 40.00	EXP: C Kzt: NA Mean Height: 15.78 ft		HORZ(TL): 0.007 A
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.339
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.165
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.138
-	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)	
	GCpi: 0.18	Plate Type(s):	
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20
Lumbor			

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ / R-/Rh /Rw /U /RL J* 83 /-/-/43 /7 Wind reactions based on MWFRS Brg Wid = 211 Min Req = Bearing J 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 VALTN160118 and VAL180160118 for valley details.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

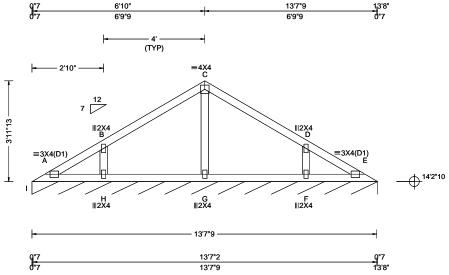
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 115688 VAL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T65 FROM: DrwNo: 264.22.0837.19643 Qty: 1 Truss Label: V04 KD / DF 09/21/2022



ction in loc	L/defl	L/#
): 0.001 E	999	240
.): 0.002 E	999	180
.): 0.001 [- (-
.): 0.001 [- (-
ctor: 2.0		
CSI: 0.20)4	
CSI: 0.11	2	
CSI: 0.05	9	
r: 21.02.00l	B.1108.	20
L	L): 0.001 E CL): 0.002 E LL): 0.001 I FL): 0.001 I Factor: 2.0 CSI: 0.20 CSI: 0.11	

▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity Loc R+ /R /Rh /Rw /U /RL 82 /-/-/42 /7 Wind reactions based on MWFRS Brg Wid = 163 Min Req = Bearing I 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 VALTN160118 and VAL180160118 for valley details.



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SEQN: 115689 VAL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T63 FROM: Qty: 1 DrwNo: 264.22.0837.18150 Truss Label: V05 KD / DF 09/21/2022 4'10" 9'7"9 4'9"9 4'9"9 ≡4X4 B =3X4(D1) =3X4(D1) 15'4"10 ______ ∥2X4 9'7"9 4'9"9 4'9"9 4'10" 9'7"9 Loading Criteria (psf) Wind Criteria Snow Criteria (Pg,Pf in PSF) Defl/CSI Criteria ▲ Maximum Reactions (lbs), or *=PLF Gravity Non-Gravity 20.00 Wind Std: ASCE 7-16 Pg: NA Ct: NA CAT: NA TCLL: PP Deflection in loc L/defl L/# Speed: 130 mph Loc R+ /R /Rh /Rw /U /RL TCDL: 10.00 Pf: NA Ce: NA VERT(LL): 0.012 C 999 240 Enclosure: Closed VERT(CL): 0.024 C BCII: 0.00 Lu: NA Cs: NA 999 180 E* 82 /-/-Risk Category: II BCDL: 10.00 Snow Duration: NA HORZ(LL): 0.005 A Wind reactions based on MWFRS EXP: C Kzt: NA Brg Wid = 115 Min Req = HORZ(TL): 0.011 A Des Ld: 40.00 Mean Height: 16.95 ft Bearing E is a rigid surface. NCBCLL: 10.00 **Building Code:** Creep Factor: 2.0 TCDL: 5.0 psf Members not listed have forces less than 375# FBC 7th Ed. 2020 Res. Max TC CSI: 0.304 Soffit: 2.00 BCDL: 5.0 psf Maximum Web Forces Per Ply (lbs) TPI Std: 2014 Max BC CSI: 0.260 Load Duration: 1.25 MWFRS Parallel Dist: h to 2h Webs Tens.Comp. Rep Fac: Yes Max Web CSI: 0.105 Spacing: 24.0 " C&C Dist a: 3.00 ft FT/RT:20(0)/10(0) B - D Loc. from endwall: not in 9.00 ft 298 - 499 GCpi: 0.18 Plate Type(s):

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 VALTN160118 and VAL180160118 for valley details.



VIEW Ver: 21.02.00B.1108.20

<u>WA</u>VE

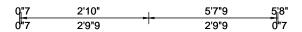
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

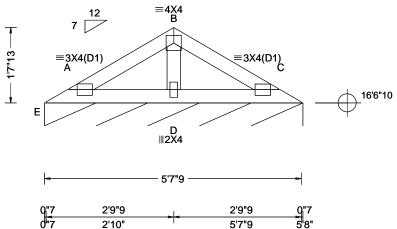
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SEQN: 115690 VAL Ply: 1 Job Number: 22-8252 Cust: R 215 JRef: 1XJ42150017 T67 FROM: DrwNo: 264.22.0837.16833 Qty: 1 Truss Label: V06 KD / DF 09/21/2022





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria			
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 C 999 240			
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 C 999 180			
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 A			
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 A			
NCBCLL: 10.00	Mean Height: 17.53 ft TCDL: 5.0 psf	Building Code:	Creep Factor: 2.0			
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.081			
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max BC CSI: 0.074			
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes	Max Web CSI: 0.047			
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)				
	GCpi: 0.18	Plate Type(s):				
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.00B.1108.20			
Lumber	•	•	•			

▲ 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 = 68.0 Min Req = Bearing E is a rigid surface. Members not listed have forces less than 375#

Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; 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 VALTN160118 and VAL180160118 for valley details.



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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

Valley Detail - ASCE 7-16: 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 7-16 180 mph. 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00 Πr

ASCE 7-16 160 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.

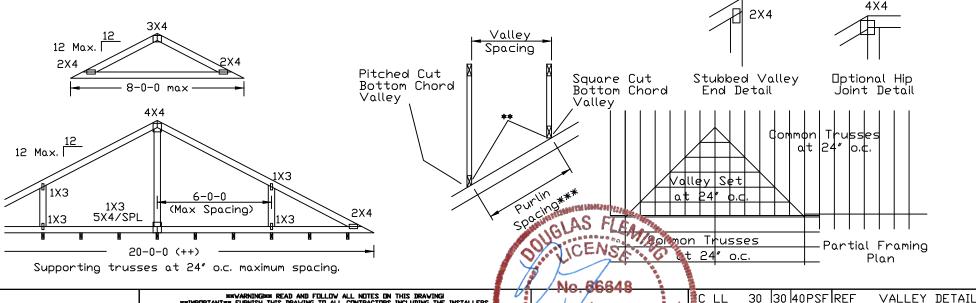
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint applied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



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

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7PSF DATE C DL 20 15 BC DL 10 10 10 PSF | DRWG Ω 0 PSF BC II Ω TDT. LD. 60 |55|57PSF

01/26/2018

VAL180160118

DUR.FAC.1.25/1.33 1.15 1.15

24.0" SPACING

Valley Detail - ASCE 7-16: 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 7-16, 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: 170 mph for SP (G = 0.55, min.), 155 mph for DF-L (G = 0.50, min.), or 120 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.

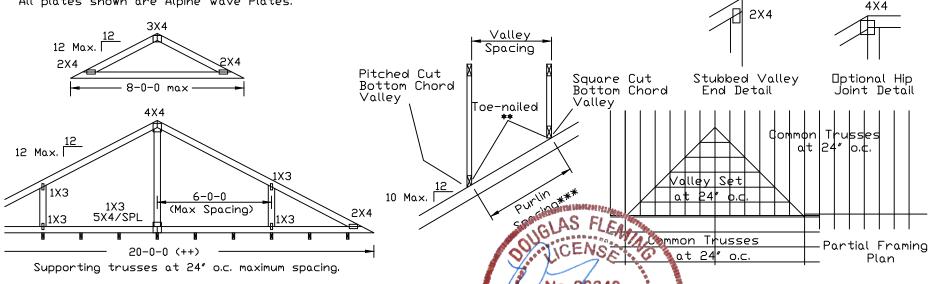
Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box $(0.128" \times 3.0")$ nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous Lateral Restraint 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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Refer to drawings 160A-Z for standard plate positions.

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TC LL 30 40 PSF REF VALLEY DETAIL 30 TC DL 20 15 l 7PSF DATE 01/26/2018 BC DI 10 l10 l10 PSFlDRWG VALTN160118 0 PSF BC LL Ωl 155157PSF

TDT. LD. 60 DUR.FAC.1.25/1.33 1.15 1.15 SPACING 24.0"

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-reinforcement or scab reinforcement.

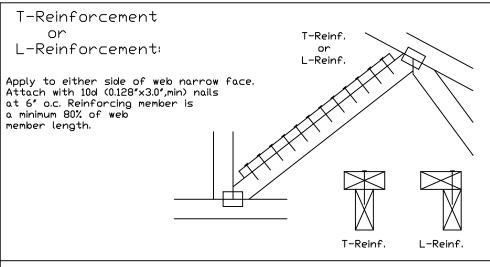
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

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

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

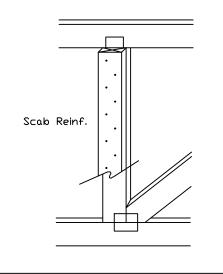
T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

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



Scab Reinforcement:

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



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STATE OF CORIOR STORAGE STATE OF CORIOR STATE

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

SPACING

REF CLR Subst.

DATE 01/02/19

DRWG BRCLBSUB0119

ALPINE ALPINE

Gable Stud Reinforcement Detail

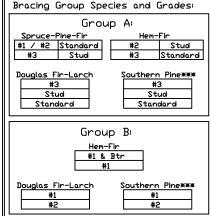
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1,00

		2x4 Vertica	Brace	No	(1) 1×4 "L	Brace *	(1) 2×4 *L	" Brace *	(2) 2×4 L	" Brace **	(1) 2×6 'L	" Brace *	(2) 2x6 *L	Brace **
اعاا	Spacing	Species	Grade	-	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
		CDE	#1 / #2	4′ 3″	7′ 3″	7' 7"	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6″	14' 0"	14' 0"	14′ 0″
	1.1	SPF	#3	4′ 1″	6′ 7 ″	7′ 1″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6 ″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
21	Ų	HF	Stud	4′ 1″	6′ 7 ″	7′ 0 ″	8′ 6 ″	8′ 10 ″	10′ 1″	10′ 6″	13′ 4″	13′ 10 ″	14′ 0″	14′ 0″
>	Ō	1 11	Standard	4′ 1″	5′ 8 ″	6′ 0 ″	7′ 7″	8′ 1 ″	10′ 1″	10′ 6″	11′ 10″	12′ 8″	14′ 0″	14′ 0″
0.			#1	4′ 6″	7′ 4″	7′ 8 ″	8′ 8 ″	9′ 0″	10′ 4″	10′ 9 ′	13′ 8″	14′ 0″	14′ 0″	14′ 0″
-	*	SP	#2	4′ 3″	7′ 3″	7′ 7″	8′ 7 ″	8′ 11 ″	10′ 3″	10′ 8 ″	13′ 6″	14′ 0″	14' 0"	14′ 0″
	4	l	#3	4′ 2″	6′ 0 ″	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5″	13′ 4″	14′ 0″	14′ 0″
g	Ω	IDFLI	Stud	4′ 2″	6′ 0″	6′ 4″	7′ 11″	8′ 6″	10′ 2″	10′ 7″	12′ 5 ″	13′ 4″	14′ 0″	14′ 0″
II			Standard	4′ 0″	5′ 3″	5′ 7 ″	7′ 0 ″	7′ 6 ″	9′ 6″	10′ 2 ′	11′ 0″	11′ 10″	14' 0"	14′ 0″
II <u>-</u>		SPF	#1 / #2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
=		HF 2PF	#3	4′ 8″	8′ 1″	8′ 8″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
`_	\cup		Stud	4′ 8 ″	8′ 1″	8′ 6 ″	9′ 8″	10′ 1″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
امَا	Ō		Standard	4′ 8 ″	6′ 11″	7′ 5 ′	9′ 3 ″	9′ 11″	11′ 7″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
\parallel		SP	#1	5′ 1 ″	8′ 5″	8′ 9 ″	9′ 11″	10′ 4″	11′ 10″	12′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
/			#2	4′ 11″	8′ 4″	8′ 8 ″	9′ 10″	10′ 3″	11′ 8″	12′ 2 ″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	è		#3	4′ 9″	7′ 4″	7′ 9″	9′ 9″	10′ 2″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
ושו	Ţ		Stud	4′ 9 ″	7′ 4″	7′ 9 ″	9′ 9″	10′ 2 ″	11′ 8″	12′ 1″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
_			Standard	4′ 8″	6′ 5 ″	6′ 10 ″	8′ 7 ″	9′ 2 ′	11′ 7″	12′ 1″	13′ 6″	14′ 0″	14′ 0″	14′ 0″
abl		SPF	#1 / #2	5′ 5 ″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	11′ 8″	13′ 5 ′	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0		76	#3	5′ 1 ′	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
0	Ū	HF	Stud	5′ 1 ″	9′ 0″	9′ 4″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ō	1 11	Standard	5′ 1 ″	8′ 0 ″	8′ 6″	10′ 8″	11′ 1″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
×	_	SP	#1	5′ 8″	9′ 3″	9′ 8″	10′ 11″	11′ 4″	13′ 0″	13′ 6″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	*		#2	5′ 5″	9′ 2″	9′ 6″	10′ 10″	11′ 3″	12′ 11″	13′ 5″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
Ma	ù		#3	5′ 3″	8′ 5″	9′ 0″	10′ 9″	11′ 2″	12′ 10″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
	Ţ	DFL	Stud	5′ 3 ″	8′ 5 ″	9′ 0″	10′ 9″	11′ 2″	12′ 10 ″	13′ 4″	14′ 0″	14′ 0″	14′ 0″	14′ 0″
			Standard	5′ 1 ″	7′ 5″	7′ 11″	9′ 11″	10′ 7″	12′ 9″	13′ 3″	14′ 0″	14′ 0″	14′ 0″	14′ 0″



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

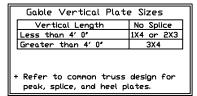
Gable Truss Detail Notes: Wind Load deflection criterion is L/240.

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

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

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

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



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

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

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

VARNINGI READ AND FOLLOW ALL NOTES ON THIS DRAWINGI
****IMPORTANT*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER ASCE7-16-GAB14015 Trusses require extreme care in fabricating, handling, shipping, installing interminating. Refer the follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for spractices prior to performing these functions. Installers shall provide temporary bracing performing the property of the property attached structural sheathing and booshall have a property attached rigid celling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to eat of truss and position as shown above and on the Joint Details, unless noted otherwise. |DATE 01/26/2018 DRWG A14015ENC160118 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 fallure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping; installation & 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. MAX, TOT, LD, 60 PSF 155 Harlem Ave North Building, 4th Floor Glenview, IL 60025 MAX. SPACING 24.0"

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

Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:

10d Common (0.148"x 3.", min) Nails at 4" o.c. plus

(4) nails in the top and bottom chords.

10d Common (0.148"x3".min) Toenails at 4" o.c. plus

(4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

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

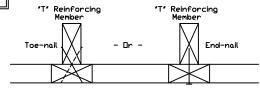
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,

S11515ENC100118, S12015ENC100118, S14015ENC100118

\$18015ENC100118, \$20015ENC100118, \$20015END100118, \$20015PE 100118, \$11530ENC100118, \$12030ENC100118, \$14030ENC.00118, \$14030ENC.0018, \$1 S18030ENC100118, S20030ENC100118, S20030 NITCOLE S20030PED100118

See appropriate Alpine gable detail for maxium preinforced gable vertical length.

"T" Reinforcement Attachment Detail



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

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

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

Web Length Increase w/ "T" Brace

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

Example:

ASCE 7-10 Wind Speed = 120 mph Mean Roof Height = 30 ft, Kzt = 1.00 Gable Vertical = 24°o.c. SP #3 "T" Reinforcing Member Size = 2x4

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

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

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer of follow the latest edition of BCSI (Buldling Component Safety Information, by TPI and SBCA) fcc, spractices prior to performing these functions. Installers shall provide temporary bracing per lates noted otherwise, top chord shall have properly attached structural sheathing and both shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or BIO, as applicable. Apply plates to eat 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 of this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping; installation & 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 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.iccsafe.org

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

MAX. TOT. LD. 60 PSF DUR. FAC. ANY MAX. SPACING 24.0"



Rigid Sheathing

Ceiling

4 Nails

Nails

Spaced At

4 Nails

Reinforcing

Member

Gable

Truss

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

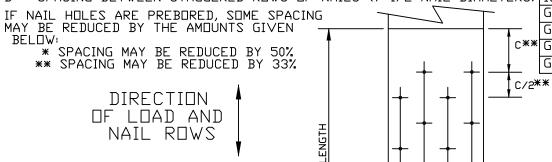
BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

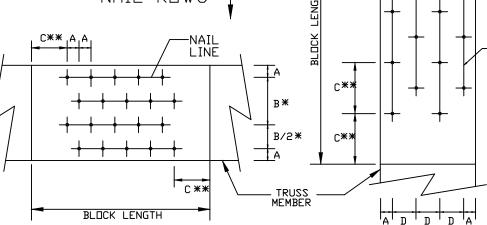
LOAD PERPENDICULAR TO GRAIN

- A EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

- A EDGE DISTANCE (6 NAIL DIAMETERS)
- C SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)





LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL

MMVARNINGIMM READ AND FOLLOW ALL NOTES ON THIS DRAVINGI MMIMPORTANTMM FURNISH THIS DRAVING TO ALL CONTRACTORS INCLUDING THE INSTALLER:

Trusses require extreme care in fabricating, handling, shipping, installing into installing and bracing. Reference 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 po BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bo on shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint if visions in the shall have bracing installed per BCSI sections B3, B7 or BIO, 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 of this drawing, any fallure 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 engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Bullding 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

MINIMUM NAIL SPACING DISTANCES

	DISTANCES				
NAIL TYPE	Α	B*	C**	D	
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"	
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	~	1"	
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	~	1"	
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"	
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"	
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	۵″	1"	
10d C□MM□N (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"	1 1/8"	
12d CDMMDN (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"	
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"	1 1/4"	
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"	
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	a″	1"	
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"	1"	
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"	1"	

NAIL

LINE

9/21/302240 278

REF NAIL SPACE DATE 10/01/14

DRWG CNNAILSP1014