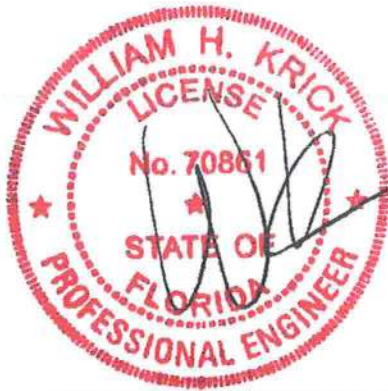




73

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



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COA #0 278

Florida Certificate of Product Approval #FL 1999

05/16/2024

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 24-0895
Job Description: DIEGO CASTRO/ Lot 2 Hunters Ridge	
Address: 259 SW Mossy Oak Way, Lake City, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 8th Ed. 2023 Res.	IntelliVIEW Version: 23.02.04 JRef #: 1XZW2150002
Wind Standard: ASCE 7-22 Wind Speed (mph): 130	Design Loading (psf): 40.00
Building Type: Closed	



This package contains general notes pages, 56 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	137.24.1114.31383	A1
3	137.24.1114.36017	A3
5	137.24.1114.51773	A4
7	137.24.1115.04113	A5
9	137.24.1115.38143	B1E
11	137.24.1116.03790	B3
13	137.24.1116.22857	B4E
15	137.24.1116.55877	C1E
17	137.24.1117.05517	C3
19	137.24.1117.10880	D1E
21	137.24.1117.16153	G1E
23	137.24.1117.29383	G3
25	137.24.1118.36987	H2
27	137.24.1119.00507	J1
29	137.24.1119.06417	J5
31	137.24.1119.13083	M1
33	137.24.1119.18113	P1
35	137.24.1119.23420	P2E
37	137.24.1119.46443	V1A
39	137.24.1119.49810	V3
41	137.24.1119.52947	V5
43	137.24.1119.56797	V7
45	137.24.1120.53330	V9
47	137.24.1119.29593	V11
49	137.24.1119.32590	V13

Item	Drawing Number	Truss
2	137.24.1114.34030	A2
4	137.24.1114.40080	A3E
6	137.24.1114.56023	A4E
8	137.24.1115.07463	B1
10	137.24.1115.49313	B2
12	137.24.1116.06290	B4
14	137.24.1116.34787	C1
16	137.24.1117.01970	C2
18	137.24.1117.07777	C4
20	137.24.1117.13470	G1
22	137.24.1117.18837	G2
24	137.24.1117.50533	H1
26	137.24.1118.51107	HJ1
28	137.24.1119.03950	J3
30	137.24.1119.09077	J7
32	137.24.1119.15093	M1E
34	137.24.1119.21400	P1E
36	137.24.1119.26533	V1
38	137.24.1119.48430	V2
40	137.24.1119.51397	V4
42	137.24.1119.55327	V6
44	137.24.1120.19290	V8E
46	137.24.1119.28103	V10
48	137.24.1119.31067	V12
50	137.24.1119.33980	V14



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Florida Certificate of Product Approval #FL 1999

05/16/2024

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 24-0895
Job Description: DIEGO CASTRO/ Lot 2 Hunters Ridge	
Address: 259 SW Mossy Oak Way, Lake City, FL 32024	

Item	Drawing Number	Truss
51	137.24.1119.35393	V15
53	137.24.1119.38347	V16
55	137.24.1119.41893	V17
57	BRCLBSUB0119	
59	VAL180220723	

Item	Drawing Number	Truss
52	137.24.1119.36787	V15A
54	137.24.1119.40273	V16A
56	137.24.1119.43517	V17A
58	PB160220723	
60	VALTN220723	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

C = Coated lumber.

C-AT = AtTEK coated lumber.

C-FX = FX Lumber Guard coated lumber.

C-TW = TechWood 4400 coated lumber.

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non-hanger bearing, in inches.

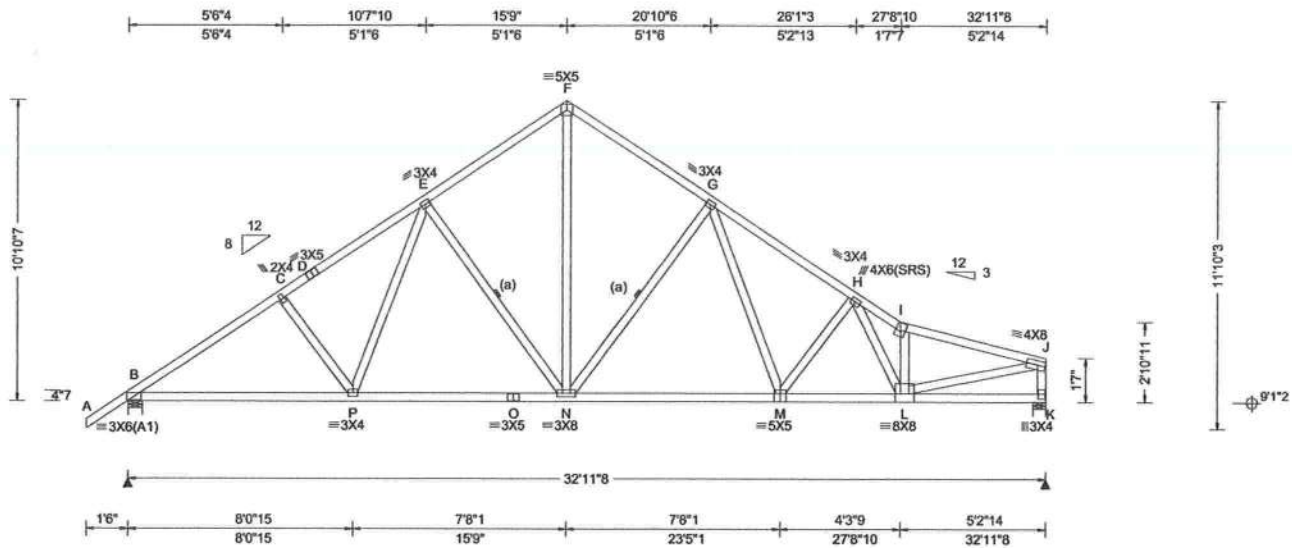
General Notes (continued)

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



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-22		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#		Gravity			Non-Gravity			
TCDL: 10.00		Speed: 130 mph		Pf: NA		Ce: NA	VERT(LL): 0.139 M 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL): 0.264 M 999 240		B	1635	/-	/-	/862	/-	/210
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.051 E - -		K	1486	/-	/-	/734	/-	/-
Des Ld: 40.00		EXP: B Kzt: NA					HORZ(TL): 0.096 E - -		Wind reactions based on MWFRS						
NCBCLL: 10.00		Mean Height: 15.00 ft		Building Code:			Creep Factor: 2.0		B Brg Wid = 6.0 Min Req = 1.9 (Truss)						
Soffit: 2.00		TCDL: 5.0 psf		FBC 8th Ed. 2023 Res.			Max TC CSI: 0.600		K Brg Wid = 5.5 Min Req = 1.8 (Truss)						
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014			Max BC CSI: 0.840		Bearings B & K are a rigid surface.						
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h		Rep Fac: Yes			Max Web CSI: 0.990		Members not listed have forces less than 375#						
		C&C Dist a: 3.30 ft		FT/RT: 20(0)/10(0)					Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall: not in 9.00 ft		Plate Type(s):					Chords Tens.Comp. Chords Tens. Comp.						
		GCPl: 0.18		WAVE			VIEW Ver: 23.02.04.0123.14		B - C 100 -2347 F - G 168 -1593						
		Wind Duration: 1.60													

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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



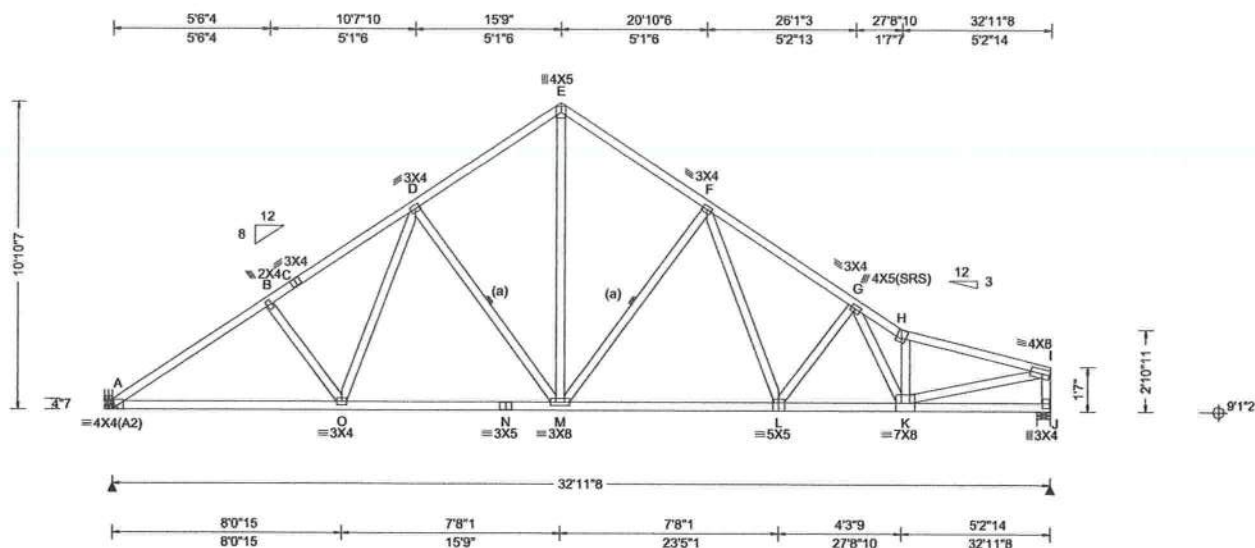
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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build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



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.30 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.112 L 999 360 VERT(CL): 0.233 L 999 240 HORZ(LL): 0.041 D - - HORZ(TL): 0.086 D - - Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.682 Max Web CSI: 0.898 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1389 -/- /- /788 -/- /187 J 1363 -/- /- /735 -/- /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - J Brg Wid = 5.5 Min Req = 1.6 (Truss) Bearing J is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 111 -2120 E - F 169 -1406 B - C 114 -1929 F - G 155 -2140 C - D 142 -1894 G - H 173 -2875 D - E 168 -1404 H - I 115 -2435

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

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

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

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

Bearing at location x=0' uses the following support conditions: 0'

Bearing A (0', 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

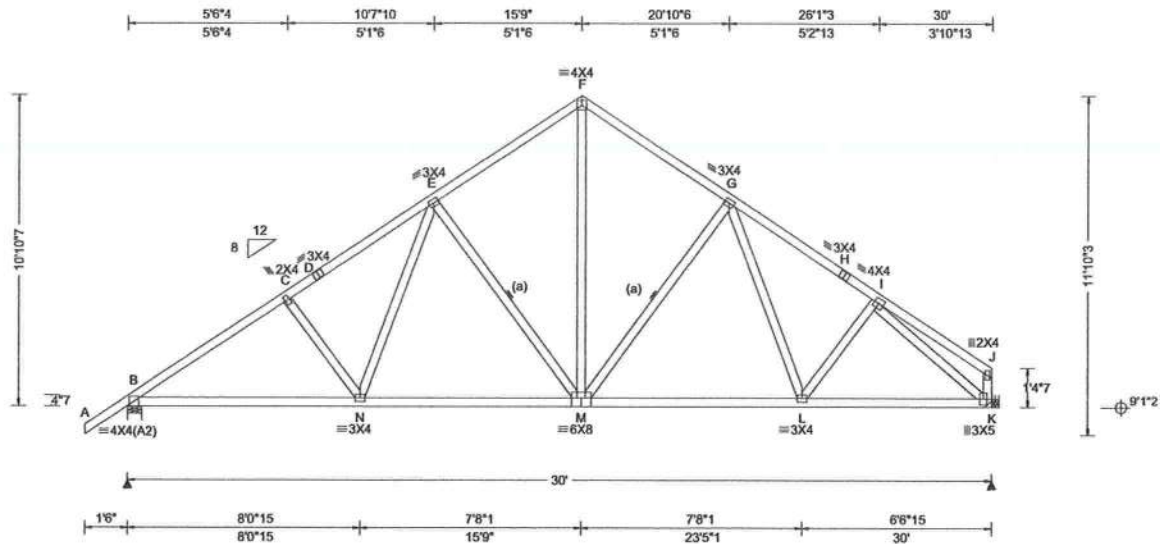


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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.079 E 999 360 VERT(CL): 0.150 E 999 240 HORZ(LL): 0.037 K - - HORZ(TL): 0.070 K - - Creep Factor: 2.0 Max TC CSI: 0.401 Max BC CSI: 0.763 Max Web CSI: 0.956 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1500 /- /- /795 /37 /211 K 1390 /- /- /701 /26 /- Wind reactions based on MWFRS B Brg Wid = 6.0 Min Req = 1.8 (Truss) K Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 206 -2113 F - G 243 -1351 C - D 209 -1923 G - H 218 -1678 D - E 235 -1882 H - I 191 -1724 E - F 243 -1351

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

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=29'9" uses the following support conditions: 29'9"

Bearing K (29'9", 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400F-2.0E

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

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

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10'-10-7/8".



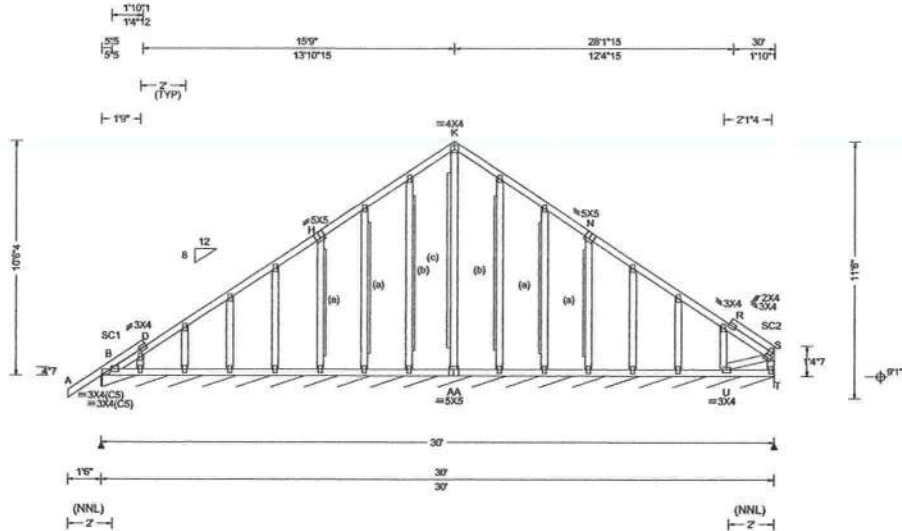
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 K 999 360 VERT(CL): 0.005 J 999 240 HORZ(LL): 0.005 N - - HORZ(TL): 0.006 N - - Creep Factor: 2.0 Max TC CSI: 0.227 Max BC CSI: 0.035 Max Web CSI: 0.977 VIEW Ver: 23.02.04.0123.14	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 280 /- /- /134 /23 /234 T* 122 /- /- /148 /5 /- Wind reactions based on MWFRS B Brg Wid = 0.5 Min Req = 1.5 (Truss) T Brg Wid = 359 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.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/175.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(c) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



COA #0278

05/16/2024
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 622029	GABL	Ply: 1	Job Number: 24-0895	Cust: R 215 JRef: 1XZW2150002 T57
FROM: RFG		Qty: 1	DIEGO CASTRO/ Lot 2 Hunters Ridge	DrwNo: 137.24.1114.40080
Page 2 of 2			Truss Label: A3E	NW / FV 05/16/2024

Additional Notes

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

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

++ Anchorage req'd to prevent truss from slipping off bearing.

The overall height of this truss excluding overhang is 10-6-4.



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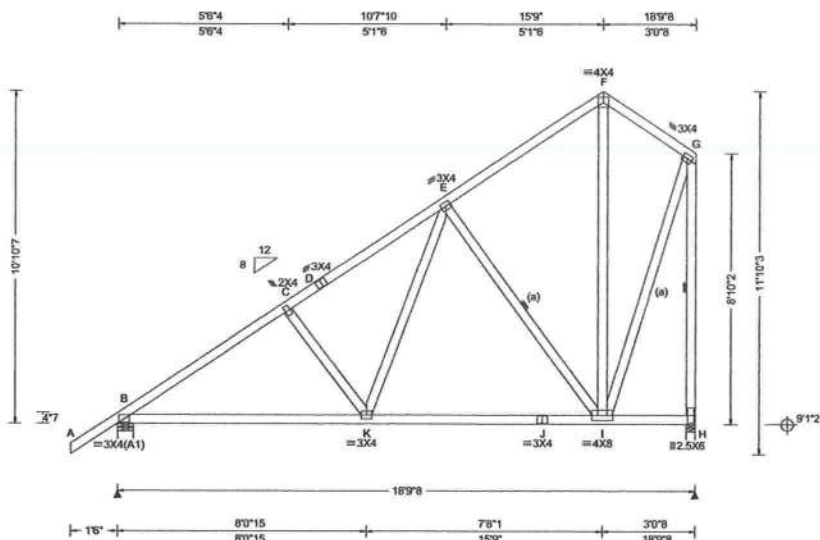
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621905 FROM: RFG	COMN Ply: 1 Qty: 6	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: A4	Cust: R215 JRef: 1XZW2150002 T6 DrwNo: 137.24.1114.51773 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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 GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.030 K 999 360 VERT(CL): 0.057 K 999 240 HORZ(LL): 0.011 C - - HORZ(TL): 0.022 C - - Creep Factor: 2.0 Max TC CSI: 0.301 Max BC CSI: 0.584 Max Web CSI: 0.361 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 958 /- /- /545 /- /222 H 857 /- /- /492 /61 /- Wind reactions based on MWFRS B Brg Wid = 6.0 Min Req = 1.5 (Truss) H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 70 - 1176 D - E 98 - 944 C - D 72 - 985 E - F 85 - 380

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 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.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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

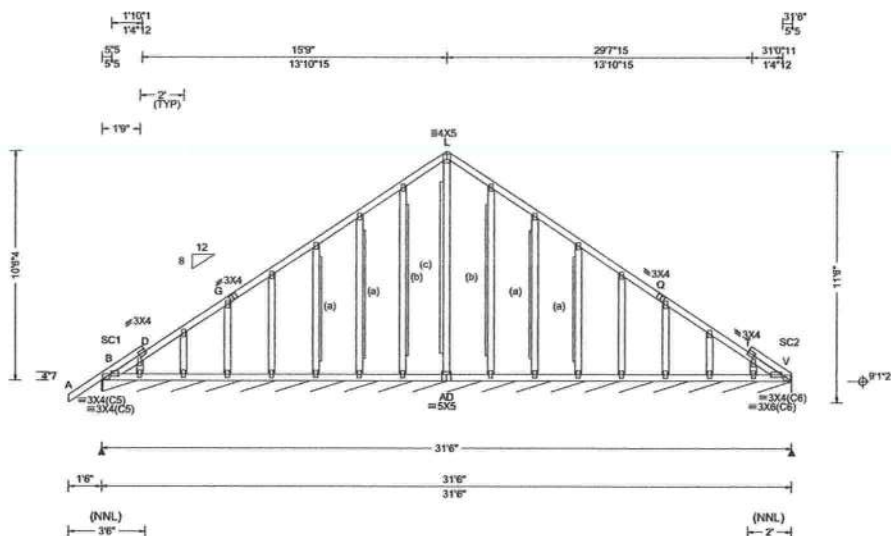


COA #0278

05/16/2024
Florida Certificate of Product Approval #FL 1999

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Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.15 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 L 999 360 VERT(CL): 0.005 M 999 240 HORZ(LL): 0.005 P - - HORZ(TL): 0.006 O - - Creep Factor: 2.0 Max TC CSI: 0.229 Max BC CSI: 0.031 Max Web CSI: 0.842 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 278 /- /- /135 /26 /246 B* 121 /- /- /47 /4 /- Wind reactions based on MWFRS B Brg Wid = 0.5 Min Req = 1.5 (Truss) B Brg Wid = 377 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.

Loading

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/175.

Gable Reinforcement

(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3", min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(b) 1x4 "L" reinforcement. Same species and grade as web. 80% length of web member. Attach with 10d (0.131"x3", min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
(c) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3", min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.



COA #0278

05/16/2024
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621907	GABL	Ply: 1	Job Number: 24-0895	Cust: R 215 JRef: 1XZW2150002 T7
FROM: RFG		Qty: 1	DIEGO CASTRO/ Lot 2 Hunters Ridge	DrwNo: 137.24.1114.56023
Page 2 of 2			Truss Label: A4E	NW / FV 05/16/2024

Additional Notes

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

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

++ Anchorage req'd to prevent truss from slipping off bearing.

The overall height of this truss excluding overhang is 10-6-4.



COA #0278

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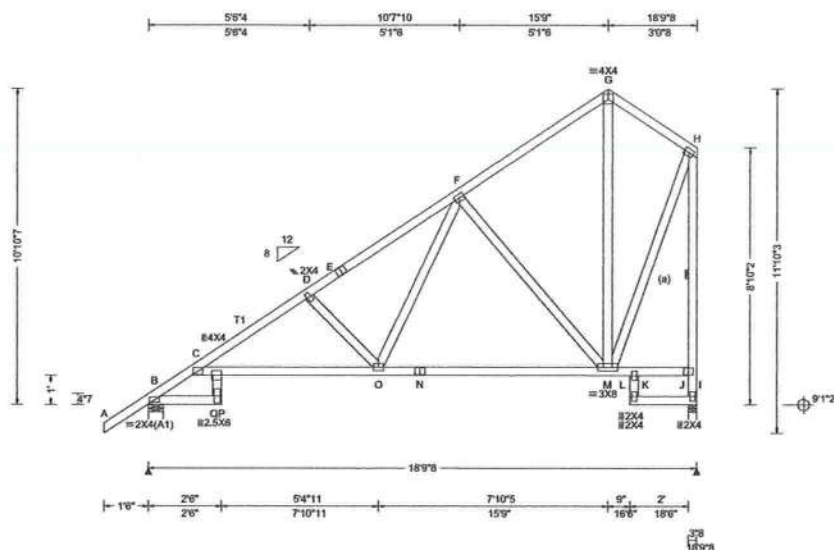
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)							
TCLL: 20.00		Wind Std: ASCE 7-22		Pg: NA Ct: NA CAT: NA			PP Deflection in loc L/defl L/#			Gravity			Non-Gravity				
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA			VERT(LL): 0.231 P 967 360			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA			VERT(CL): 0.447 P 500 240			B	949	/-	/-	/545	/-	/198	
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.172 L - -			I	842	/-	/-	/492	/-	/-	
Des Ld: 40.00		EXP: B Kzt: NA					HORZ(TL): 0.335 L - -			Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.00 ft					Creep Factor: 2.0			B	Brg Wid = 6.0		Min Req = 1.5 (Truss)				
Soffit: 2.00		TCDL: 5.0 psf					Max TC CSI: 0.587			I	Brg Wid = 3.5		Min Req = 1.5 (Truss)				
Load Duration: 1.25		BCDL: 5.0 psf					Max BC CSI: 0.747			Bearings B & I are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h					Max Web CSI: 0.766			Members not listed have forces less than 375#							
		C&C Dist a: 3.00 ft								Maximum Top Chord Forces Per Ply (lbs)							
		Loc. from endwall: not in 9.00 ft								Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18								B - C		0 -645		E - F		45 -1185	
		Wind Duration: 1.60								C - D		30 -1439		F - G		54 -398	
										D - E		18 -1227					
										VIEW Ver: 23.02.04.0123.14							
Lumber																	

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.

Plating Notes

All plates are 3X4 except as noted.

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

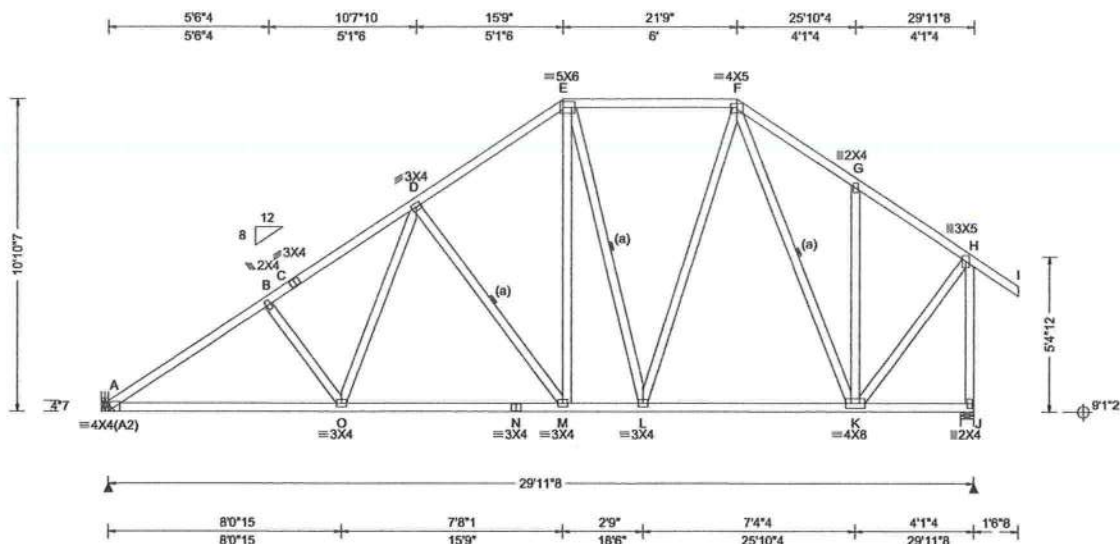
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)



COA #0 278

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. 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): 0.072 D 999 360 VERT(CL): 0.134 D 999 240 HORZ(LL): 0.029 K - - HORZ(TL): 0.054 K - - Creep Factor: 2.0 Max TC CSI: 0.361 Max BC CSI: 0.760 Max Web CSI: 0.838 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1393 /- /- /737 /- /294 J 1542 /- /- /725 /- /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - J Brg Wid = 5.5 Min Req = 1.8 (Truss) Bearing J is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 29 -2147 E - F 93 -973 B - C 32 -1956 F - G 184 -889 C - D 59 -1920 G - H 95 -897 D - E 84 -1347

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

(J) Hanger Support Required, by others

Loading

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

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

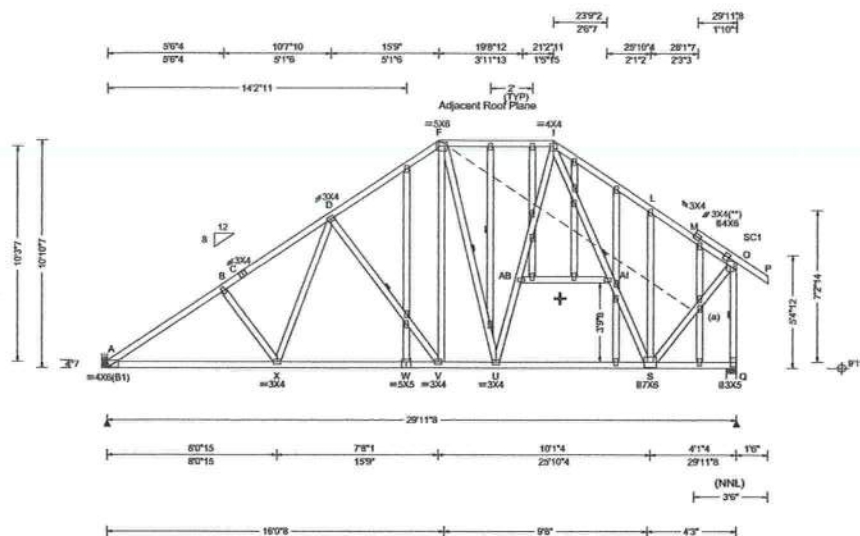
The overall height of this truss excluding overhang is 10'-10-7/8\"/>



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)								
TCLL:	20.00	Wind Std:	ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc L/defl	L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.082 E	999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lr: NA	Cs: NA		VERT(CL):	0.245 E	999 240	A	1950	/-	/-	/779	/46	/431
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL):	0.027 R	- -	Q	2309	/-	/-	/752	/62	/-
		EXP: B	Kzt: NA				HORZ(TL):	0.081 R	- -	Wind reactions based on MWFRS						
Des Ld:	40.00	Mean Height:	15.00 ft			Building Code:	Creep Factor:	2.0		A	Brg Wid = -		Min Req = -			
NCBCLL:	10.00	TCDL:	5.0 psf			FBC 8th Ed. 2023 Res.	Max TC CSI:	0.914		Q	Brg Wid = 5.5		Min Req = 2.7 (Truss)			
Soffit:	2.00	BCDL:	5.0 psf			TPI Std: 2014	Max BC CSI:	0.728		Bearing Q is a rigid surface.						
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2			Rep Fac: Varies by Ld Case	Max Web CSI:	0.735		Members not listed have forces less than 375#						
Spacing:	24.0 "	C&C Dist a:	3.00 ft			FT/RT:20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)						
		Loc. from endwall:	not in 10.00 ft			Plate Type(s):				Chords	Tens.Comp.		Chords	Tens. Comp.		
		GCpi:	0.18			WAVE				A - B	287 -3100		F - I	320 -1480		
		Wind Duration:	1.60						VIEW Ver: 23.02.04.0123.14							

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Maximum Bot Chord Forces Per Ply (lbs)					
Chords			Tens. Comp.		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - X	2474	-410	V - U	1573	-287
X - W	2073	-336	U - S	1353	-271
W - V	2073	-336			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
B - X	119	-430	AB- I	868	-107
X - D	456	-22	I -AI	129	-544
D - V	119	-882	AI- S	110	-724
F - V	847	-96	S - L	69	-394
F - U	97	-521	S - O	1651	-176
U -AB	571	-48	O - Q	245	-2255

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SEQN: 621965	GABL	Ply: 1	Job Number: 24-0895	Cust: R 215 JRef: 1XZW2150002 T33
FROM: RFG		Qty: 1	DIEGO CASTRO/ Lot 2 Hunters Ridge	DrwNo: 137.24.1115.38143
Page 2 of 2			Truss Label: B1E	NW / FV 05/16/2024

Additional Notes

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

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

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

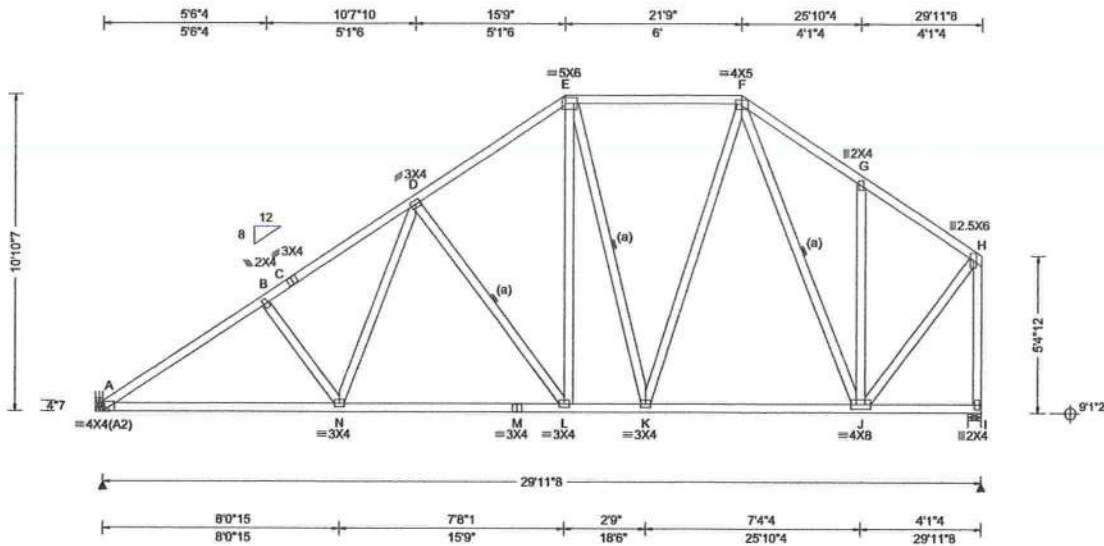


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
				Gravity			Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.072 N 999 360	A	1396	-	-	1739	-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.134 N 999 240	I	1433	-	-	1674	-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.029 J - -	Wind reactions based on MWFRS					
Des Ld: 40.00	EXP: B Kzt: NA	Building Code:	HORZ(TL): 0.054 J - -	A Brg Wid = - Min Req = -					
NCBCLL: 10.00	Mean Height: 15.71 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	I Brg Wid = 5.5 Min Req = 1.7 (Truss)					
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.366	Bearing I is a rigid surface.					
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.761	Members not listed have forces less than 375#					
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.779	Maximum Top Chord Forces Per Ply (lbs)					
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14	Chords Tens.Comp. Chords Tens. Comp.					
	Loc. from endwall: not in 9.00 ft	WAVE		A - B	18	-2151	E - F	83	-978
	GCpt: 0.18			B - C	21	-1960	F - G	163	-906
	Wind Duration: 1.60			C - D	49	-1925	G - H	66	-897

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

(J) Hanger Support Required, by others

Loading

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

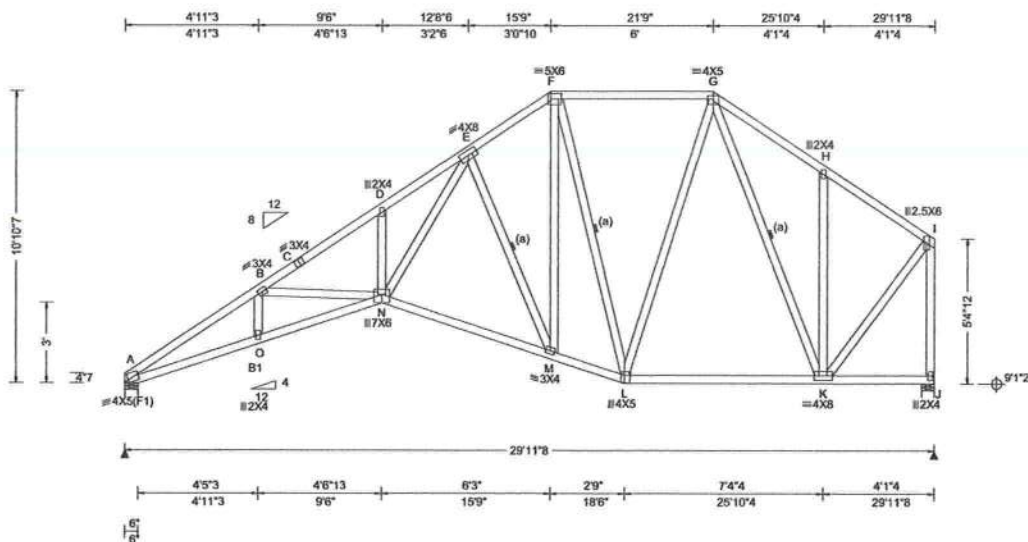
The overall height of this truss excluding overhang is 10'-10.7".



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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)								
TCLL:	20.00	Wind Std:	ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity			Non-Gravity					
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.185	D	999	360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.392	D	912	240	A	1278	/-	/-	/743	/-	/260
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.119	K	-	-	J	1257	/-	/-	/680	/-	/-
Des Ld:	40.00	EXP: B	Kzt: NA				HORZ(TL):	0.252	K	-	-	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.71 ft	Building Code:			Creep Factor: 2.0			A			Brg Wid = 6.0			Min Req = 1.5 (Truss)		
Soffit:	2.00	TCDL:	5.0 psf	FBC 8th Ed. 2023 Res.			Max TC CSI: 0.662			J			Brg Wid = 5.5			Min Req = 1.5 (Truss)		
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std: 2014			Max BC CSI: 0.503			Bearings A & J are a rigid surface.								
Spacing:	24.0 "	C&C Dist a:	3.00 ft	Rep Fac: Yes			Max Web CSI: 0.792			Members not listed have forces less than 375#								
		Loc. from endwall:	not in 9.00 ft	FT/RT:20(0)/10(0)						Maximum Top Chord Forces Per Ply (lbs)								
		GCpi:	0.18	Plate Type(s):						Chords		Tens.Comp.		Chords		Tens. Comp.		
		Wind Duration:	1.60	WAVE			VIEW Ver: 23.02.04.0123.14			A - B		85 -3332		E - F		56 -1236		

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B1 2x4 SP M-31;
Webs: 2x4 SP #3;

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes
The overall height of this truss excluding overhang is 10'-10-7/8\"/>

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

A - O	2803	-272	M - L	1052	-35
O - N	2848	-273	L - K	716	-33
N - M	1503	-91			

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

N - E	2079	-168	L - G	402	0
E - M	154	-1079	K - I	944	0
M - F	945	-76	I - J	0	-1235
F - L	38	-624			



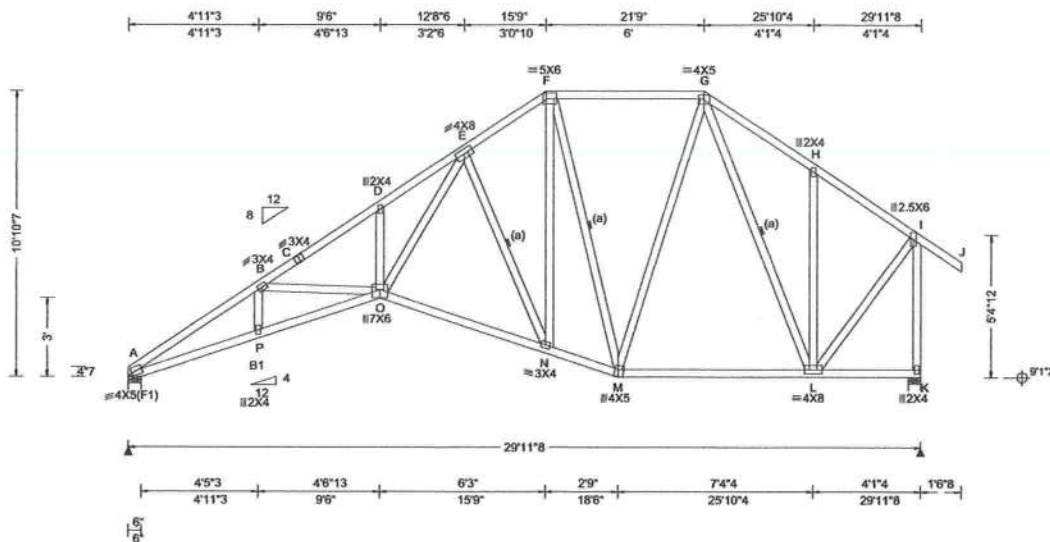
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621963 FROM: RFG	COMN	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: B4	Cust: R 215 JRef: 1XZW2150002 T5 DrwNo: 137.24.1116.06290 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.187 D 999 360 VERT(CL): 0.391 D 914 240 HORZ(LL): 0.120 L - - HORZ(TL): 0.251 L - - Creep Factor: 2.0 Max TC CSI: 0.660 Max BC CSI: 0.503 Max Web CSI: 0.790 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1276 /- /- /740 /- /295 K 1366 /- /- /730 /- /- Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) K Brg Wid = 5.5 Min Req = 1.6 (Truss) Bearings A & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 70 -3323 E - F 63 -1231 B - C 34 -2999 F - G 89 -830 C - D 54 -2948 G - H 180 -763 D - E 121 -2986 H - I 93 -771

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B1 2x4 SP M-31;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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

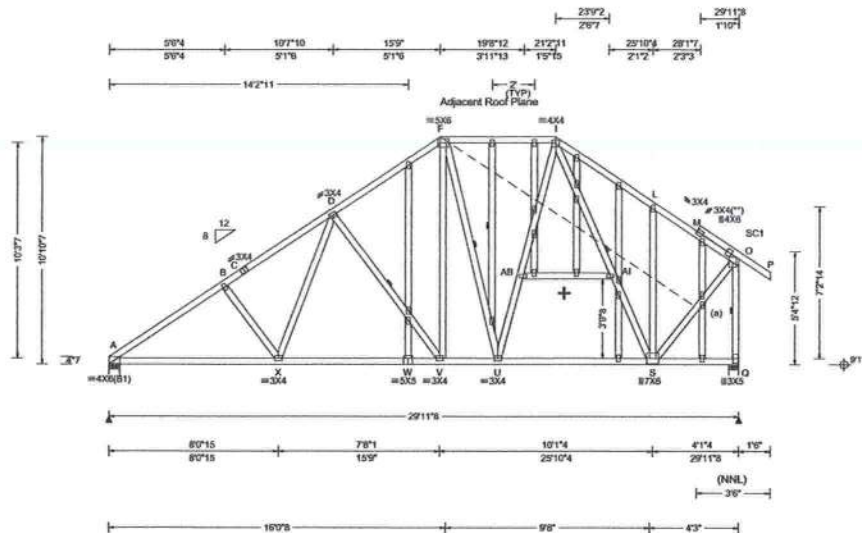


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.082 E 999 360	A	1951	/-	/-	/780	/77	/431
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.246 E 999 240	Q	2308	/-	/-	/752	/97	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.027 R - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.081 R - -	A Brg Wid = 6.0 Min Req = 2.3 (Truss)						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Q Brg Wid = 5.5 Min Req = 2.7 (Truss)						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.850	Bearings A & Q are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.763	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.735	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 3.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 10.00 ft			A - B	287	-3091	F - I	320	-1478	
	GCpi: 0.18			B - C	290	-2813	I - L	412	-1387	
	Wind Duration: 1.60		VIEW Ver: 23.02.04.0123.14	C - D	321	-2754	L - M	307	-1316	
				D - F	361	-2078	M - O	159	-1358	

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

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

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

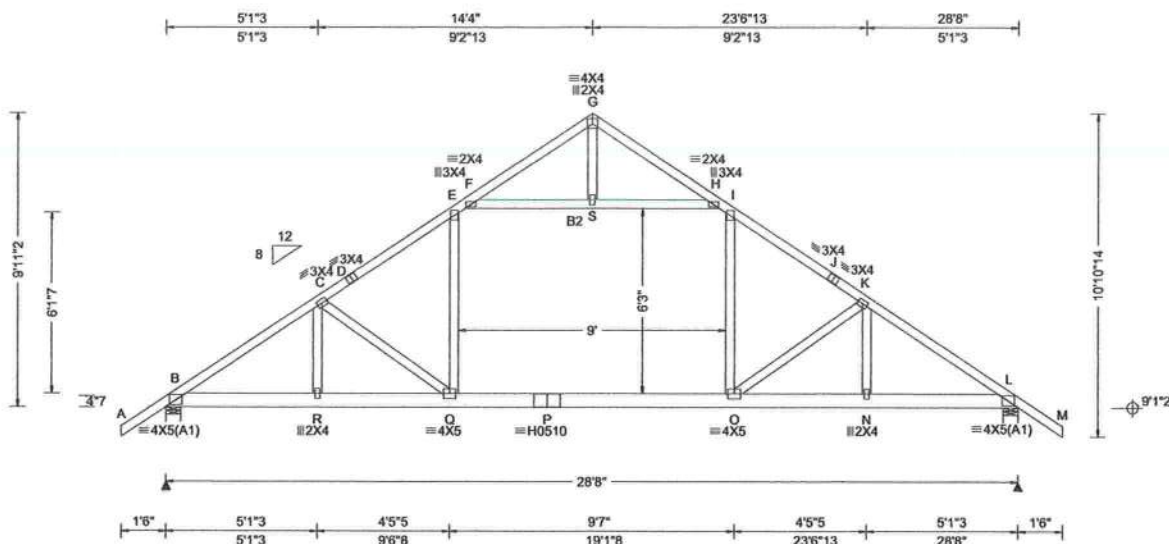
Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical exposed to wind pressure.
Deflection meets L/360.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/618.
+ Member to be laterally braced for out of plane wind loads

Additional Notes
Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 10'-10".



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.149 Q 999 360	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.342 Q 995 240	B	1662	/-	/-	/756	/36	/214
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.079 E - -	L	1662	/-	/-	/756	/36	/-
	EXP: B Kzt: NA		HORZ(TL): 0.181 E - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	B	Brg Wid = 6.0 Min Req = 1.5 (Truss)					
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.786	L	Brg Wid = 6.0 Min Req = 1.5 (Truss)					
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.410	Bearings B & L are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.323	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: Any	Plate Type(s):		Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18	WAVE, HS	VIEW Ver: 23.02.04.0123.14	B - C	184	- 2398	H - I	210	- 1624	
	Wind Duration: 1.60									

Lumber

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

Loading

Attic room loading from 9-10-0 to 18-10-0: Live Load:
30 PSF. Dead Load: 7 PSF Ceiling: 1 PSF, Kneewalls:
1 PSF

Truss designed for sleeping room only. No waterbeds
permitted. Provide information to contractor, architect,
and bldg owner. Trusses to be visibly stamped to
indicate 30.00 psf MAX LL.

Purlins

Collar-tie braced with continuous lateral bracing at 24"
oc. or rigid ceiling.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is
9-11-2.



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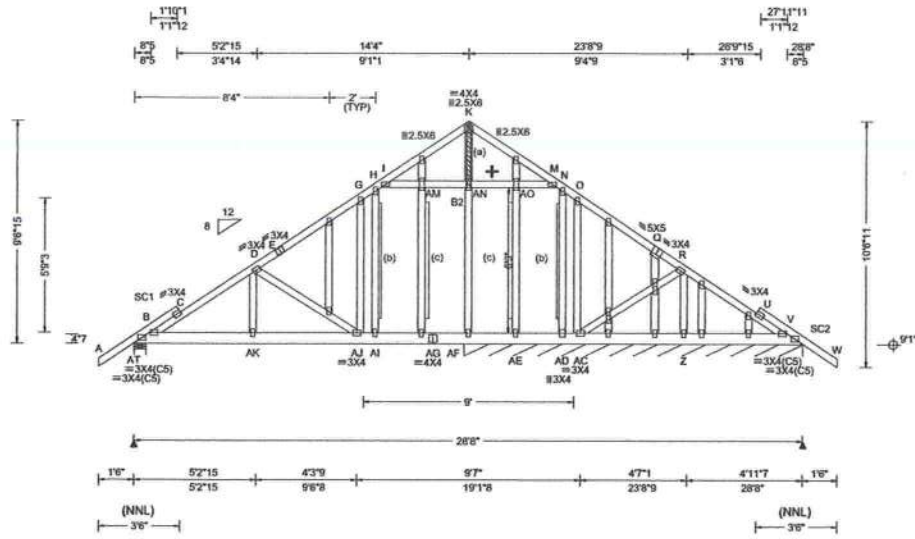
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs), or *=PLF						
		Wind Std: ASCE 7-22		Pg: NA Ct: NA CAT: NA			PP Deflection in loc L/defl L/#			Gravity			Non-Gravity			
TCLL: 20.00		Speed: 130 mph		Pf: NA Ce: NA			VERT(LL): 0.088 F 999 360			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00		Enclosure: Closed		Lu: NA Cs: NA			VERT(CL): 0.208 F 809 240			AT 934	/-	/-		/454	/29	/238
BCLL: 0.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.047 F - -			V* 195	/-	/-		/79	/5	/-
BCDL: 10.00		EXP: B Kzt: NA					HORZ(TL): 0.112 F - -			AE	/-162					
Des Ld: 40.00		Mean Height: 15.00 ft		Building Code:			Creep Factor: 2.0			AD	/-464			Wind reactions based on MWFRS		
NCBCLL: 10.00		TCDL: 5.0 psf		FBC 8th Ed. 2023 Res.			Max TC CSI: 0.628			AT Brg Wid = 6.0 Min Req = 1.5 (Truss)						
Soffit: 2.00		BCDL: 5.0 psf		TPI Std: 2014			Max BC CSI: 0.265			V Brg Wid = 174 Min Req = -						
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2		Rep Fac: No			Max Web CSI: 0.785			Bearings AT & AF are a rigid surface.						
Spacing: 24.0 "		C&C Dist a: 3.00 ft		FT/RT:20(0)/10(0)						Members not listed have forces less than 375#						
		Loc. from endwall: Any		Plate Type(s):						Maximum Top Chord Forces Per Ply (lbs)						
		GCpi: 0.18		WAVE			VIEW Ver: 23.02.04.0123.14			Chords Tens.Comp. Chords Tens. Comp.						
		Wind Duration: 1.60														

Lumber Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2; Webs: 2x4 SP #3; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types. Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/357.	▲ Maximum Reactions (lbs), or *=PLF Gravity Loc R+ / R- / Rh / Rw / U / RL AT 934 /- /- /454 /29 /238 V 195 /- /- /79 /5 /- AE /-162 AD /-464 Wind reactions based on MWFRS AT Brg Wid = 6.0 Min Req = 1.5 (Truss) V Brg Wid = 174 Min Req = - Bearings AT & AF 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 143 -1223 I - K 980 -73 C - D 113 -1156 K - M 981 -75 D - E 71 -555 N - O 154 -457 E - G 115 -493 O - Q 132 -482 G - H 153 -411 Q - R 57 -445
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Plating Notes All plates are 2X4 except as noted.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B-AK 935 -90 AK-AJ 931 -91
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Loading Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 7.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise. Attic room loading from 9-10-0 to 18-10-0: Live Load: 30 PSF. Dead Load: 7 PSF Ceiling: 1 PSF, Kneewalls: 1 PSF Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D-AJ 154 -772 K-AN 97 -1330 I-AM 227 -1078 AN-AO 228 -1083 AM-AN 228 -1083 AO-M 226 -1077
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Purlins In lieu of structural panels use purlins to brace TC @ 24" oc. Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling. + Member to be laterally braced for out of plane wind loads	Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. H-AI 420 -85 AD-N 557 -92 AN-AF 116 -1417
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621916	GABL	Ply: 1	Job Number: 24-0895	Cust: R 215 JRef: 1XZW2150002 T3
FROM: RFG		Qty: 1	DIEGO CASTRO/ Lot 2 Hunters Ridge	DrwNo: 137.24.1116.55877
Page 2 of 2			Truss Label: C1E	NW / FV 05/16/2024

Gable Reinforcement

- (a) 2x3 "T" reinforcement. Any species and grade. Full truss height along web member. Attach to the wide face with 10d (0.131"x3",min.) nails @ 4" oc in the web plus (2)10d (0.131"x3",min.) nails in each chord.
- (b) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
- (c) 2x6 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3",min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.

Additional Notes

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

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

The overall height of this truss excluding overhang is 9'-6"-15'.



COA #0278

05/16/2024
Florida Certificate of Product Approval #FL 1999

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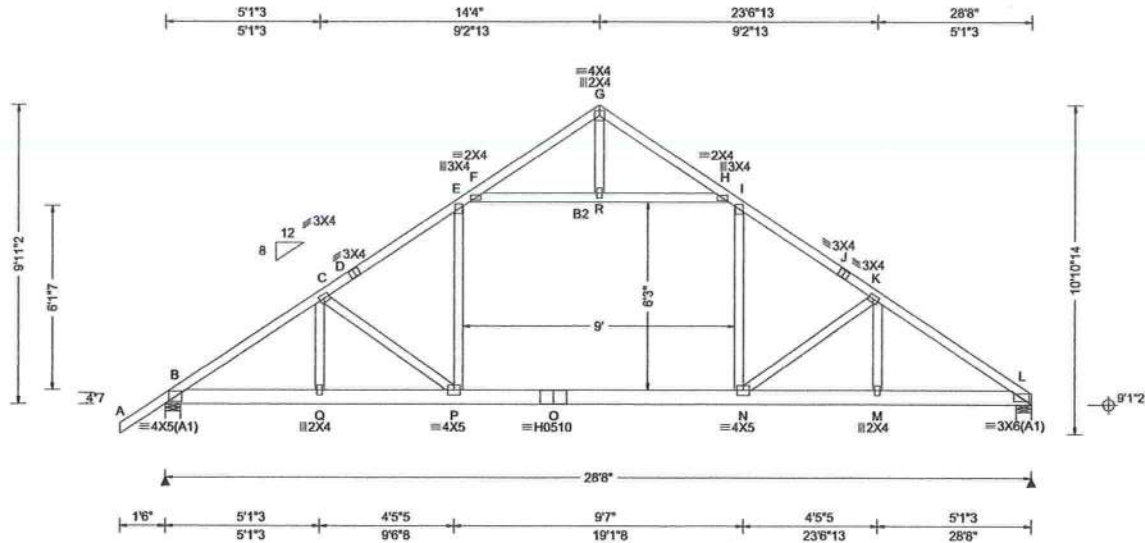
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621865 FROM: RFG	ATIC	Ply: 1 Qty: 3	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: C2	Cust: R 215 JRef: 1XZW2150002 T4 DrwNo: 137.24.1117.01970 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.151 P 999 360 VERT(CL): 0.345 N 986 240 HORZ(LL): 0.080 E - - HORZ(TL): 0.180 E - - Creep Factor: 2.0 Max TC CSI: 0.791 Max BC CSI: 0.414 Max Web CSI: 0.324 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1665 /- /- /757 /36 /201 L 1555 /- /- /683 /24 /- Wind reactions based on MWFRS B Brg Wid = 6.0 Min Req = 1.5 (Truss) L Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Loading

Attic room loading from 9-10-0 to 18-10-0: Live Load:
30 PSF. Dead Load: 7 PSF Ceiling: 1 PSF, Kneewalls:
1 PSF

Truss designed for sleeping room only. No waterbeds
permitted. Provide information to contractor, architect,
and bldg owner. Trusses to be visibly stamped to
indicate 30.00 psf MAX LL.

Purlins

Collar-tie braced with continuous lateral bracing at 24"
oc. or rigid ceiling.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is
9-11-2.



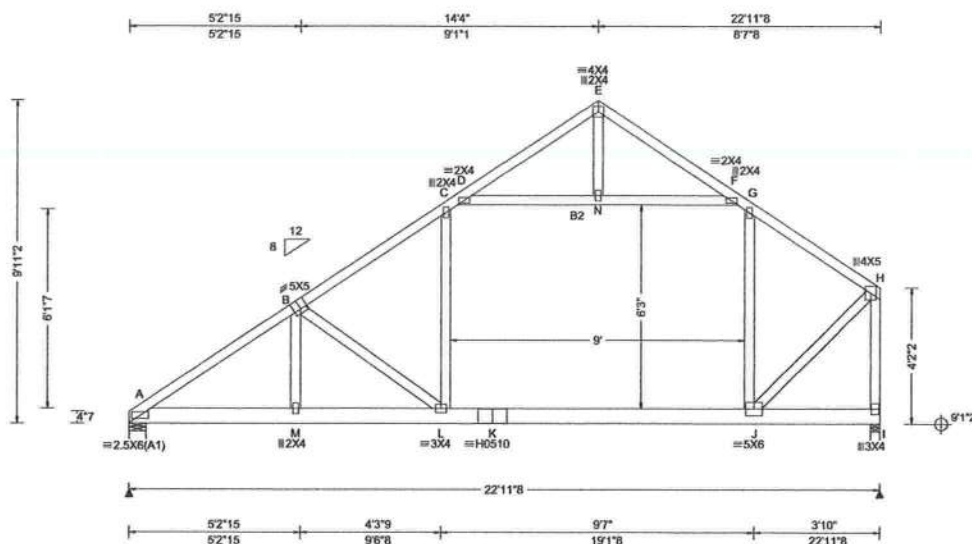
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621912 FROM: RFG	ATIC Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: C3	Cust: R 215 JRef: 1XZW2150002 T10 DrwNo: 137.24.1117.05517 NW / FV 05/16/2024
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)	
TCLL: 20.00		Wind Std: ASCE 7-22		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity	Non-Gravity
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.429 C 638 360		Loc R+ / R- / Rh	/ Rw / U / RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.828 C 330 240		A 1239 /- /- /563 /12 /173	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.268 C - -		I 1399 /- /- /525 /27 /-	
Des Ld: 40.00		EXP: B Kzt: NA				HORZ(TL): 0.522 C - -		Wind reactions based on MWFRS	
NCBCLL: 10.00		Mean Height: 15.00 ft		Building Code:		Creep Factor: 2.0		A Brg Wid = 6.0 Min Req = 1.5 (Truss)	
Soffit: 2.00		TCDL: 5.0 psf		FBC 8th Ed. 2023 Res.		Max TC CSI: 0.880		I Brg Wid = 3.5 Min Req = 1.5 (Truss)	
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014		Max BC CSI: 0.959		Bearings A & I are a rigid surface.	
Spacing: 24.0 "		MWFRS Parallel Dist: h/2 to h		Rep Fac: Yes		Max Web CSI: 0.574		Members not listed have forces less than 375#	
		C&C Dist a: 3.00 ft		FT/RT:20(0)/10(0)				Maximum Top Chord Forces Per Ply (lbs)	
		Loc. from endwall: not in 9.00 ft		Plate Type(s):				Chords Tens.Comp.	Chords Tens. Comp.
		GCpt: 0.18		WAVE, HS		VIEW Ver: 23.02.04.0123.14		A - B 71 -1970	F - G 116 -1088
		Wind Duration: 1.60						B - C 73 -1424	G - H 72 -1332
								C - D 104 -1038	

Lumber

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

Loading

Attic room loading from 9-10-0 to 18-10-0: Live Load:
30 PSF. Dead Load: 7 PSF Ceiling: 1 PSF, Kneewalls:
1 PSF

Truss designed for sleeping room only. No waterbeds
permitted. Provide information to contractor, architect,
and bldg owner. Trusses to be visibly stamped to
indicate 30.00 psf MAX LL.

Purlins

Collar-tie braced with continuous lateral bracing at 24"
oc. or rigid ceiling.

Wind

Wind loads based on MWFRS with additional C&C
member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is
9-11-2.



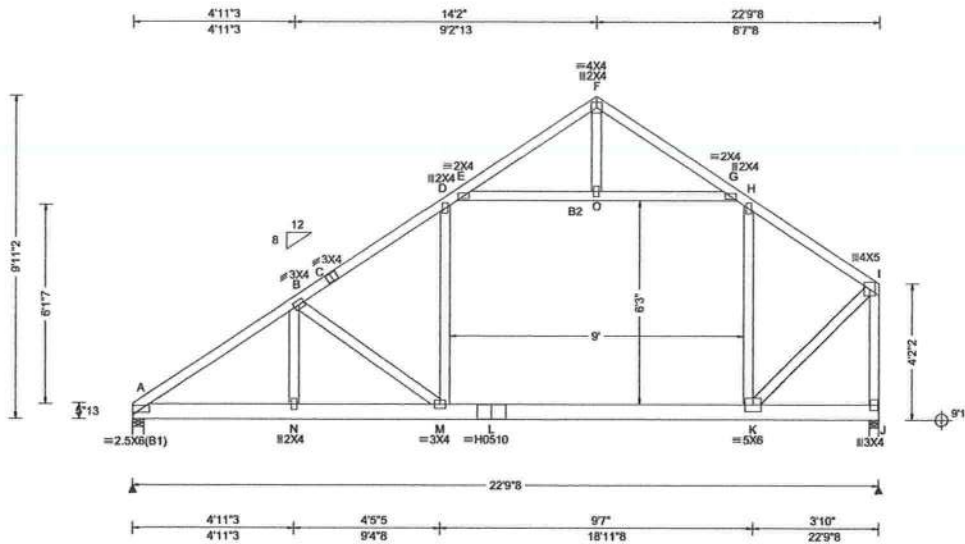
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.414 D 656 360	A	1234	/-	/-	/559	/-	/171
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.802 D 338 240	J	1390	/-	/-	/521	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.260 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	HORZ(TL): 0.509 D - -	Creep Factor: 2.0						
NCBCLL: 10.00	Mean Height: 15.00 ft		Max TC CSI: 0.865							
Soffit: 2.00	TCDL: 5.0 psf		Max BC CSI: 0.943	Max Web CSI: 0.568						
Load Duration: 1.25	BCDL: 5.0 psf			A Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h			J Brg Wid = 3.5 Min Req = 1.5 (Truss)						
	C&C Dist a: 3.00 ft			Bearings A & J are a rigid surface.						
	Loc. from endwall: not in 9.00 ft			Members not listed have forces less than 375#						
	GCpi: 0.18			Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60			Chords Tens.Comp. Chords Tens. Comp.						
			VIEW Ver: 23.02.04.0123.14	A - B 68 -1900 D - E 104 -1029						

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

Loading
Attic room loading from 9-8-0 to 18-8-0: Live Load: 30 PSF. Dead Load: 7 PSF Ceiling: 1 PSF, Kneewalls: 1 PSF
Truss designed for sleeping room only. No waterbeds permitted. Provide information to contractor, architect, and bldg owner. Trusses to be visibly stamped to indicate 30.00 psf MAX LL.

Purlins
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

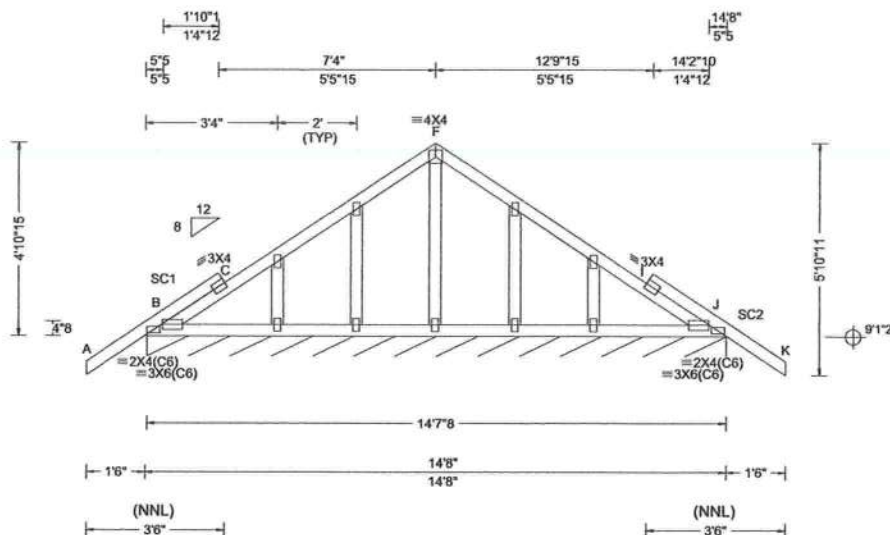
Additional Notes
The overall height of this truss excluding overhang is 9-11-2.



COA #0278
06/16/2024
Florida Certificate of Product Approval #FL 1999

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SEQN: 621918 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: D1E	Cust: R 215 JRef: 1XZW2150002 T1 DrwNo: 137.24.1117.10880 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 I 999 360 VERT(CL): 0.007 I 999 240 HORZ(LL): -0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.087 Max Web CSI: 0.596 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J* 123 /- /- /54 /6 /10 Wind reactions based on MWFRS J Brg Wid = 175 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/393.

Additional Notes

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

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

The overall height of this truss excluding overhang is 4'-10-15.



COA #0 278

05/16/2024
Florida Certificate of Product Approval #FL 1999

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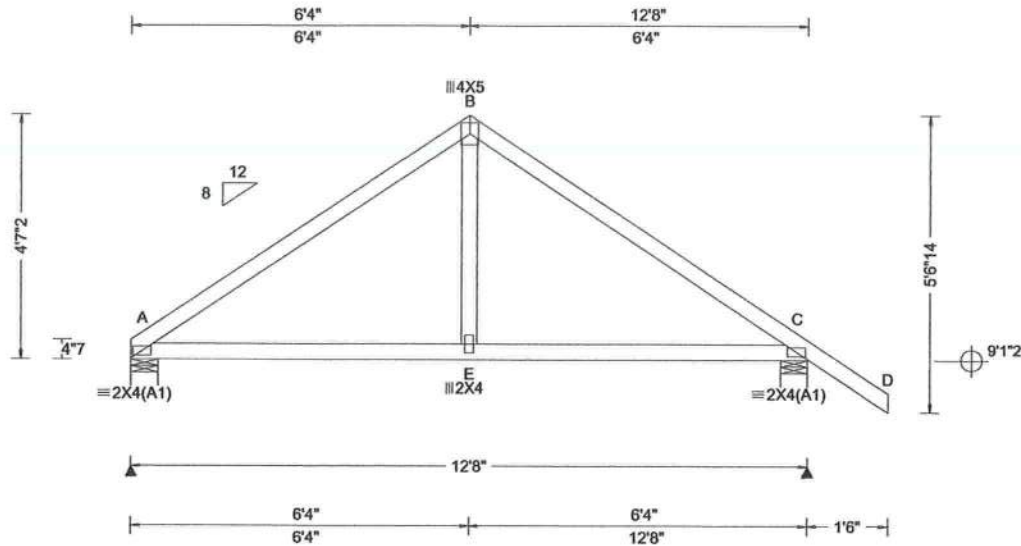
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621928 FROM: RFG	COMN	Ply: 1 Qty: 2	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: G1	Cust: R215 JRef: 1XZW2150002 T20 DrwNo: 137.24.1117.13470 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 A 999 360 VERT(CL): 0.012 A 999 240 HORZ(LL): 0.005 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.421 Max BC CSI: 0.387 Max Web CSI: 0.108 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 525 /- /- /301 /9 /101 C 643 /- /- /378 /22 /- Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) C Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 158 -621 B - C 163 -626 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - E 438 0 E - C 438 0

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 4'-7"-2".



COA #0278

Florida Certificate of Product Approval #FL 1999

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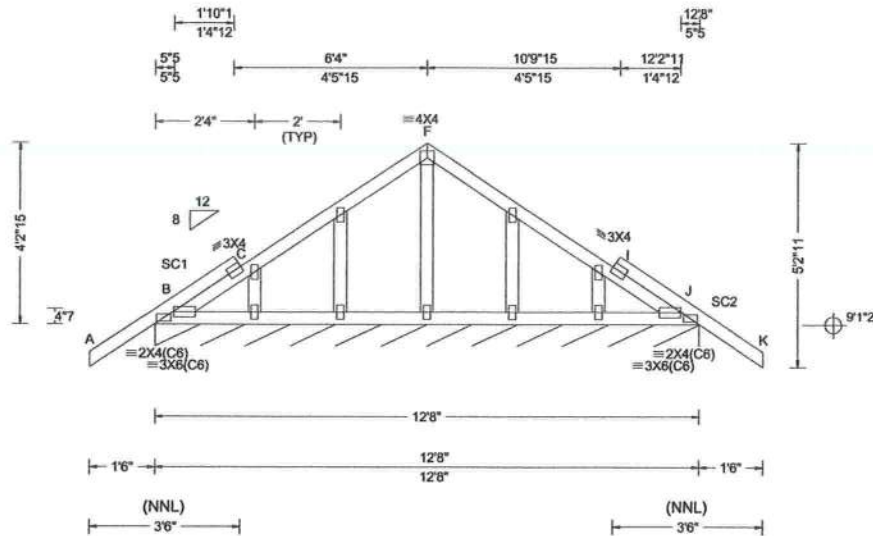
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621930 FROM: RFG	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: G1E	Cust: R 215 JRef: 1XZW2150002 T21 DrwNo: 137.24.1117.16153 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 J 999 360 VERT(CL): 0.004 J 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.258 Max BC CSI: 0.101 Max Web CSI: 0.386 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J* 123 /- /- /55 /12 /10 Wind reactions based on MWFRS J Brg Wid = 151 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/680.

Additional Notes

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

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

The overall height of this truss excluding overhang is 4-2-15.



COA #0278

05/16/2024
Florida Certificate of Product Approval #FL 1999

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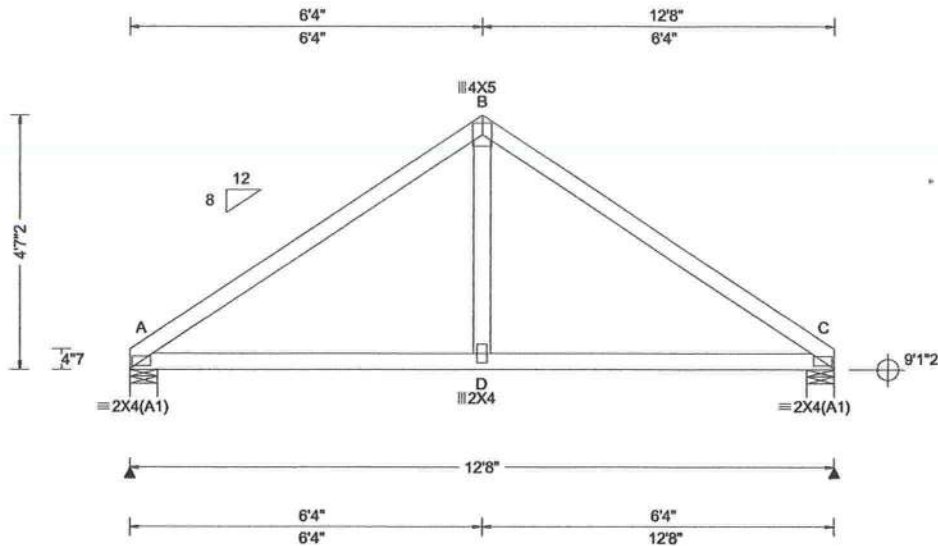
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621926 FROM: RFG	COMN	Ply: 1 Qty: 2	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: G2	Cust: R 215 JRef: 1XZW2150002 T22 DrwNo: 137.24.1117.18837 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 C 999 360 VERT(CL): 0.012 C 999 240 HORZ(LL): 0.005 A - - HORZ(TL): 0.010 A - - Creep Factor: 2.0 Max TC CSI: 0.431 Max BC CSI: 0.397 Max Web CSI: 0.110 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 532 /- /- /302 /10 /78 C 532 /- /- /302 /10 /- Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) C Brg Wid = 6.0 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 104 -639 B - C 104 -639 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 454 -4 D - C 454 -4

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 4'-7-2".



COA #0278

Florida Certificate of Product Approval #FL 1999

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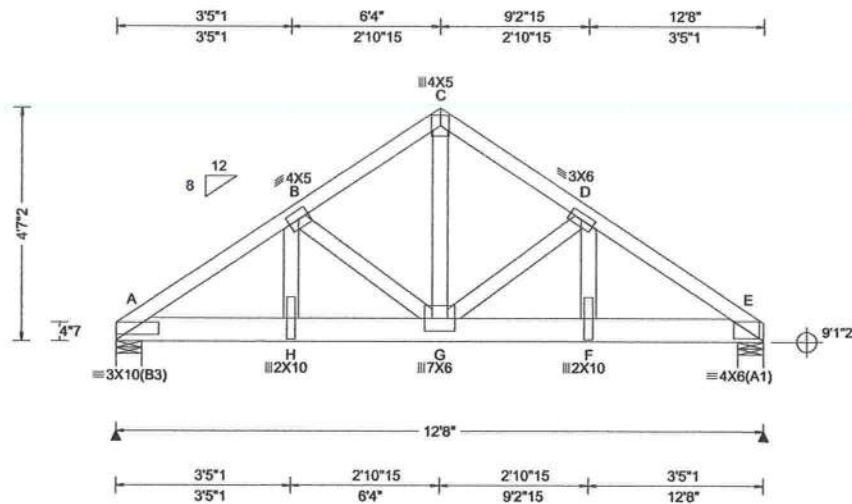
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.049 G 999 360 VERT(CL): 0.096 G 999 240 HORZ(LL): 0.015 B - - HORZ(TL): 0.030 B - - Creep Factor: 2.0 Max TC CSI: 0.293 Max BC CSI: 0.322 Max Web CSI: 0.923 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 5029 -/- /- /129 -/ E 4252 -/- /- /114 -/ Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 2.1 (Truss) E Brg Wid = 6.0 Min Req = 1.8 (Truss) Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 89 -3391 C - D 63 -2316 B - C 63 -2316 D - E 86 -3181

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 @ 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)
TC: From 64 plf at 0.00 to 64 plf at 12.67
BC: From 10 plf at 0.00 to 10 plf at 12.67
BC: 1390 lb Conc. Load at 1.15, 3.15, 4.56, 6.56, 8.56, 10.56

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 4'-7-2.

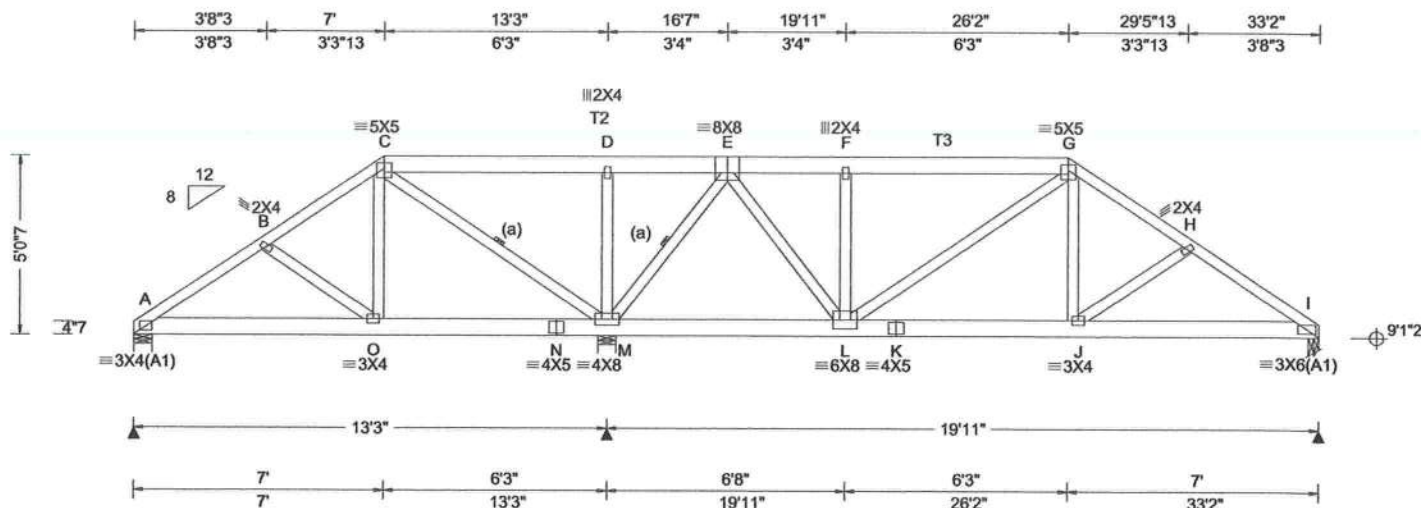


COA #0278

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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.32 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.045 J 999 360 VERT(CL): 0.093 J 999 240 HORZ(LL): 0.016 I - - HORZ(TL): 0.033 I - - Creep Factor: 2.0 Max TC CSI: 0.713 Max BC CSI: 0.577 Max Web CSI: 0.726 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 618 /- /- /- /35 /- M 4359 /- /- /- /467 /- I 1446 /- /- /- /126 /- Wind reactions based on MWFRS A Brg Wid = 6.0 Min Req = 1.5 (Truss) M Brg Wid = 6.0 Min Req = 5.1 (Truss) I Brg Wid = 3.5 Min Req = 1.7 (Truss) Bearings A, M, & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP #2;
Bot chord: 2x6 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 26.17
TC: From 64 plf at 26.17 to 64 plf at 33.17
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 26.14
BC: From 20 plf at 26.14 to 20 plf at 33.17
TC: 271 lb Conc. Load at 7.03,26.14
TC: 193 lb Conc. Load at 9.06,11.06,12.58,14.58
16.10,18.10,20.10,22.10,24.10
BC: 468 lb Conc. Load at 7.03,26.14
BC: 131 lb Conc. Load at 9.06,11.06,12.58,14.58
16.10,18.10,20.10,22.10,24.10

Wind

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

Additional Notes

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



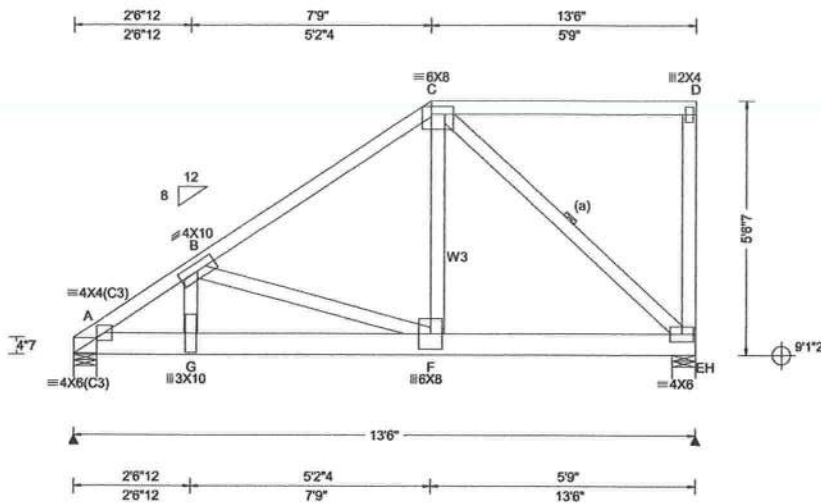
COA #0278

Florida Certificate of Product Approval #FL 1999

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North Building, 4th Floor
Glenview, IL 60025

2 Complete Trusses Required



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-22		Pg: NA Ct: NA CAT: NA			PP Deflection in loc L/defl L/#			Gravity			Non-Gravity			
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA			VERT(LL): 0.059 G 999 360			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA			VERT(CL): 0.117 G 999 240			A	6424	/-	/-	/235	/-	/-
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.023 B - -			H	5530	/-	/-	/389	/-	/-
Des Ld: 40.00		EXP: B Kzt: NA		Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE			HORZ(TL): 0.045 B - -			Wind reactions based on MWFRS						
NCBCLL: 0.00		Mean Height: 15.00 ft					Creep Factor: 2.0			A Brg Wid = 6.0 Min Req = 2.7 (Truss)						
Soffit: 2.00		TCDL: 5.0 psf		MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60			Max TC CSI: 0.437			H Brg Wid = 6.0 Min Req = 2.3 (Truss)						
Load Duration: 1.25		BCDL: 5.0 psf					Max BC CSI: 0.781			Bearings A & H are a rigid surface.						
Spacing: 24.0 "							Max Web CSI: 0.802			Members not listed have forces less than 375#						
										Maximum Top Chord Forces Per Ply (lbs)						
										Chords Tens.Comp. Chords Tens. Comp.						
							VIEW Ver: 23.02.04.0123.14			A - B 0 - 5091 B - C 0 - 2525						

Lumber

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

Bracing

(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 @ 3.50" 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)
TC: From 64 plf at 0.00 to 64 plf at 13.50
BC: From 10 plf at 0.00 to 10 plf at 13.50
BC: 1389 lb Conc. Load at 1.77
BC: 2589 lb Conc. Load at 2.56
BC: 1393 lb Conc. Load at 4.56, 6.56
BC: 1396 lb Conc. Load at 8.56, 10.56, 12.56

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5'-6"-7".



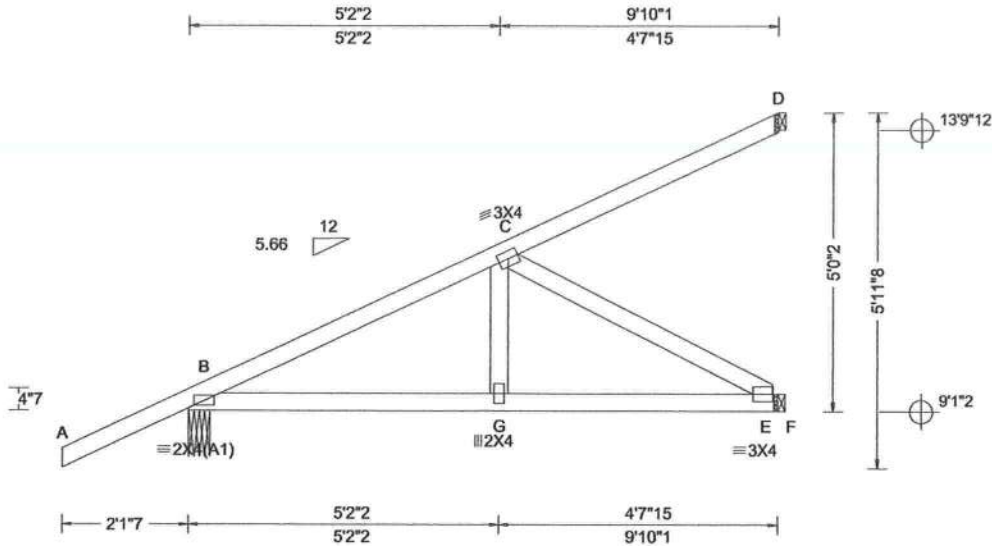
COA #0278

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
				Gravity			Non-Gravity		
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.013 G 999 360	B	373	/-	/-	/-	/157 /-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.026 G 999 240	E	337	/-	/-	/-	/44 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 F - -	D	79	/-	/-	/-	/16 /-
Des Ld: 40.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.009 F - -	Wind reactions based on MWFRS					
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Wid = 4.2 Min Req = 1.5 (Truss)				
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.589	E	Brg Wid = 1.5 Min Req = -				
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.552	D	Brg Wid = 1.5 Min Req = -				
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.318	Bearing B is a rigid surface.					
	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#					
	Loc. from endwall: not in 4.50 ft			Maximum Top Chord Forces Per Ply (lbs)					
	GCpi: 0.18			Chords Tens.Comp.					
	Wind Duration: 1.60								
			VIEW Ver: 23.02.04.0123.14						

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -51 lb Conc. Load at 1.38
TC: 126 lb Conc. Load at 4.21
TC: 261 lb Conc. Load at 7.03
BC: 8 lb Conc. Load at 1.38
BC: 99 lb Conc. Load at 4.21
BC: 181 lb Conc. Load at 7.03

Wind

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

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA #0278

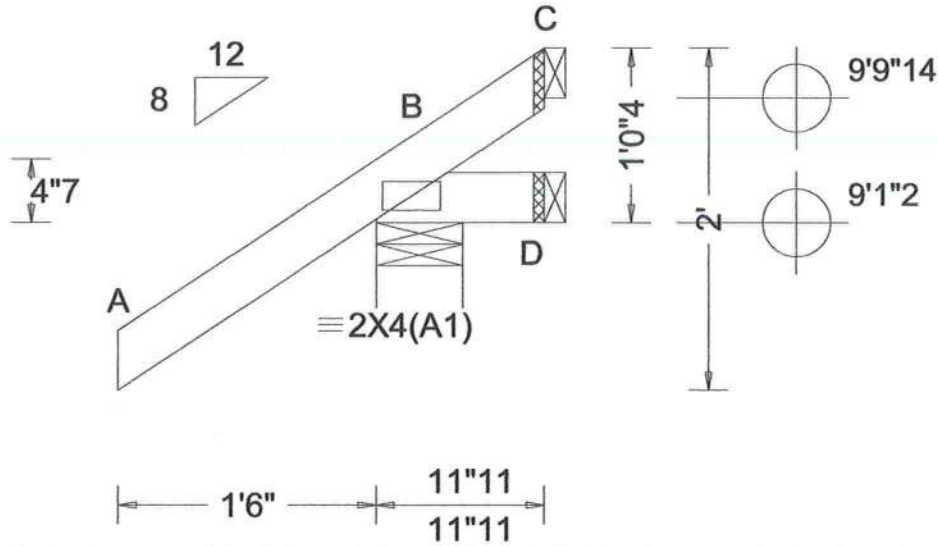
05/16/2024 Florida Certificate of Product Approval #FL 1999

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

SEQN: 621932 FROM: RFG	JACK Qty: 4	Ply: 1 Qty: 4	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: J1	Cust: R 215 JRef: 1XZW2150002 T13 DrwNo: 137.24.1119.00507 NW / FV 05/16/2024
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-22	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity		Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): NA	B	263	/-	/-	/184	/27	/34
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): -0.000 B - -	D	4	/-17	/-	/10	/12	/-
Des Ld:	40.00	EXP: B	Kzt: NA				HORZ(TL): 0.001 B - -	C	-	/-61	/-	/23	/55	/-
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:			Creep Factor:	Wind reactions based on MWFRS						
Soffit:	2.00	TCDL:	5.0 psf	FBC 8th Ed. 2023 Res.			Max TC CSI:	B Brg Wid = 6.0 Min Req = 1.5 (Truss)						
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014		Max BC CSI:	D Brg Wid = 1.5 Min Req = -						
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes		Max Web CSI:	C Brg Wid = 1.5 Min Req = -						
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)			Bearing B is a rigid surface.						
		Loc. from endwall:	Any	Plate Type(s):				Members not listed have forces less than 375#						
		GCpi:	0.18	WAVE				VIEW Ver: 23.02.04.0123.14						
		Wind Duration:	1.60											

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



COA #0 278

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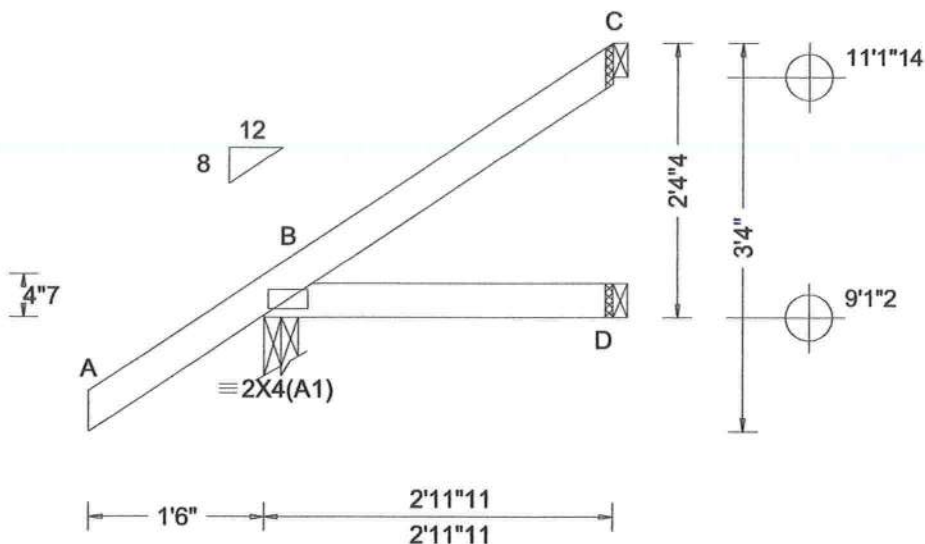
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621934 FROM: RFG	JACK Ply: 1 Qty: 4	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: J3	Cust: R 215 JRef: 1XZW2150002 T12 DrwNo: 137.24.1119.03950 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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 GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.181 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 267 /- /- /173 /1 /65 D 50 /- /- /30 /- /- C 63 /- /- /37 /24 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.

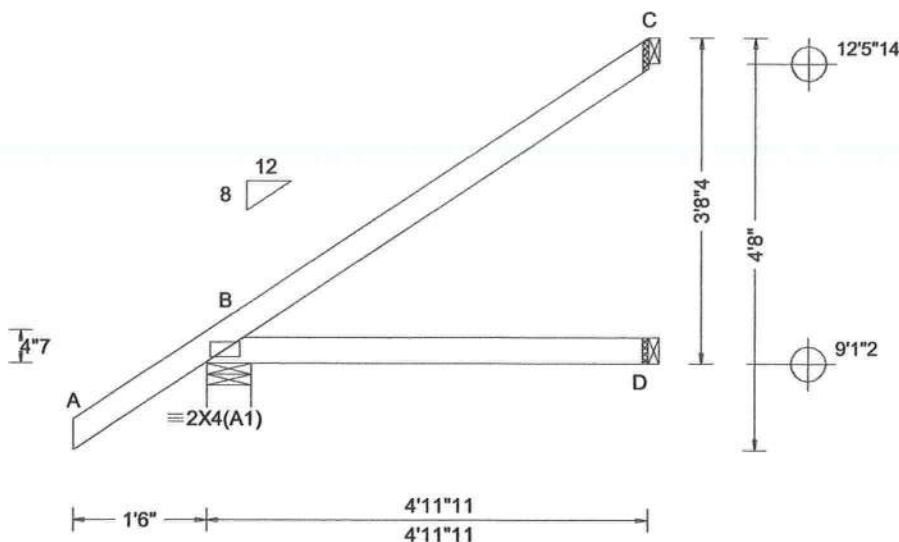


COA #0228

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 338 /- /- /212 /- /97
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -	D 90 /- /- /51 /- /-
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.007 B - -	C 131 /- /- /80 /45 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.323	B Brg Wid = 6.0 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.239	D Brg Wid = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Wid = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 23.02.04.0123.14	

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 3-8-4.

Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.



COA #0278

05/16/2024
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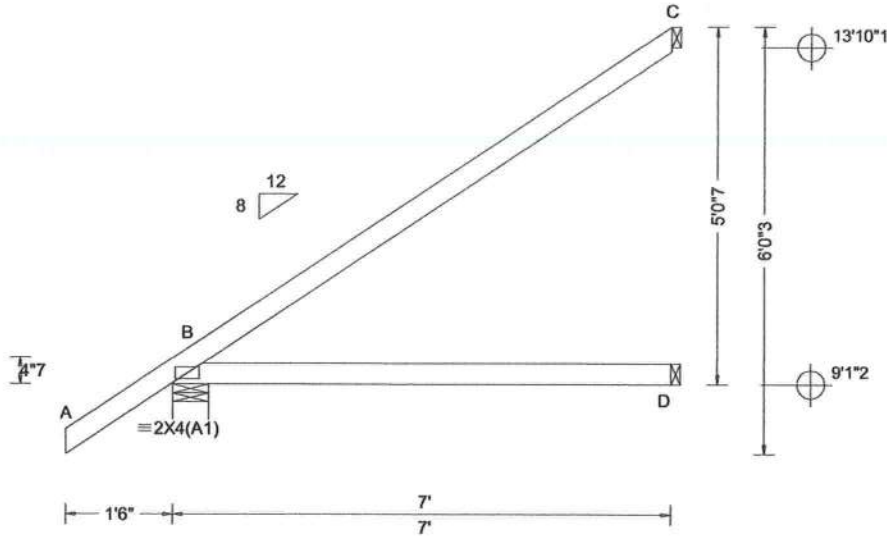
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)					
				Gravity			Non-Gravity		
				Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	417	/-	/-	/258	/- /130
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	D	131	/-	/-	/73	/- /-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	193	/-	/-	/120	/64 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.013 B - -	Wind reactions based on MWFRS					
Des Ld: 40.00	EXP: B Kzt: NA	Building Code:	HORZ(TL): 0.027 B - -	B Brg Wid = 6.0 Min Req = 1.5 (Truss)					
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	D Brg Wid = 1.5 Min Req = -					
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.747	C Brg Wid = 1.5 Min Req = -					
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.527	Bearing B is a rigid surface.					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.000	Members not listed have forces less than 375#					
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14						
	Loc. from endwall: not in 4.50 ft	WAVE							
	GCpl: 0.18								
	Wind Duration: 1.60								

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

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

Provide (2)16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2)16d common nails(0.162"x3.5"), toe nailed at Bot chord.



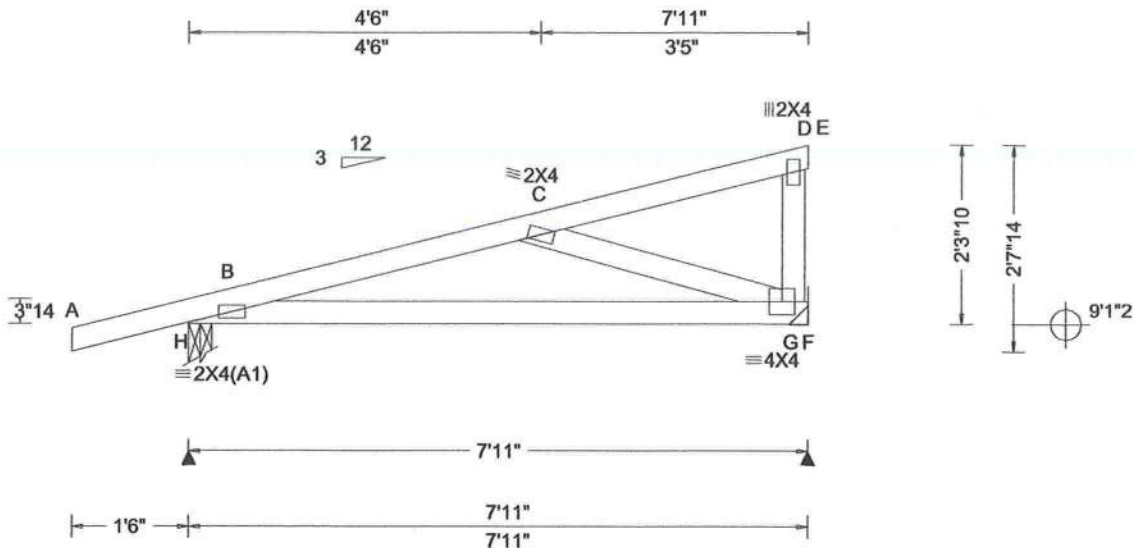
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155 Harlem Ave
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Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.016 B 999 360	H	432	/-	/-	/222	/33	/53
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.048 B 999 240	F	304	/-	/-	/159	/2	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 B - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.013 B - -	H	Brg Wid = 3.5		Min Req = 1.5 (Truss)			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	F	Brg Wid = -		Min Req = -			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.306	Bearing H is a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.489	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.146	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 3.00 ft			Chords	Tens.Comp.					
	Loc. from endwall: not in 9.00 ft			B - C	181	-517				
	GCp1: 0.18									
	Wind Duration: 1.60									

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

Additional Notes

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



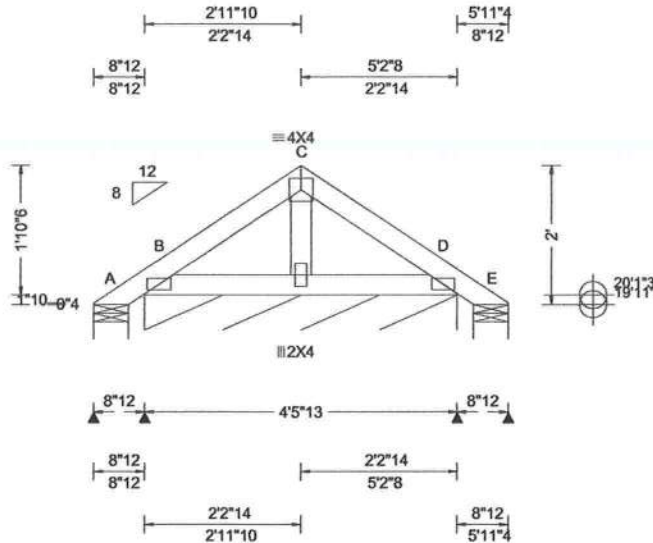
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621999 FROM: RFG	COMN	Ply: 1 Qty: 15	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: P1	Cust: R 215 JRef: 1XZW2150002 T23 DrwNo: 137.24.1119.18113 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCCL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.000 B 999 360	A	3	/-	/-	/26	/21	/35
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 B 999 240	B*	103	/-	/-	/59	/4	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.000 B - -	E	3	/-	/-	/6	/1	/-
Des Ld: 40.00	EXP: B Kzt: NA	Building Code:	HORZ(TL): 0.001 B - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.71 ft	FBC 8th Ed. 2023 Res.	Creep Factor: 2.0	A Brg Wid = 5.9 Min Req = 1.5 (Truss)						
Soffit: 2.00	TCCL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.048	B Brg Wid = 53.8 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.036	E Brg Wid = 5.9 Min Req = 1.5 (Truss)						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	FT/RT: 20(0)/10(0)	Max Web CSI: 0.012	Bearings A, B, & E are a rigid surface.						
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 23.02.04.0123.14	Members not listed have forces less than 375#						
	Loc. from endwall: not in 9.00 ft	WAVE								
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Plating Notes

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

Loading

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

Purlins

In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

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



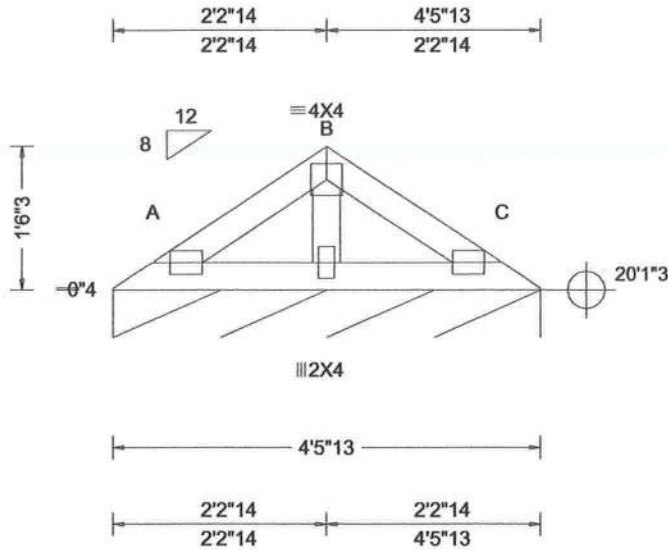
COA #0278

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

SEQN: 622023 FROM: RFG	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: P1E	Cust: R 215 JRef: 1XZW2150002 T32 DrwNo: 137.24.1119.21400 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.71 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.044 Max BC CSI: 0.032 Max Web CSI: 0.026 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 61 /- /- /35 /- /- Wind reactions based on MWFRS A Brg Wid = 53.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.

The overall height of this truss excluding overhang is 17-13.



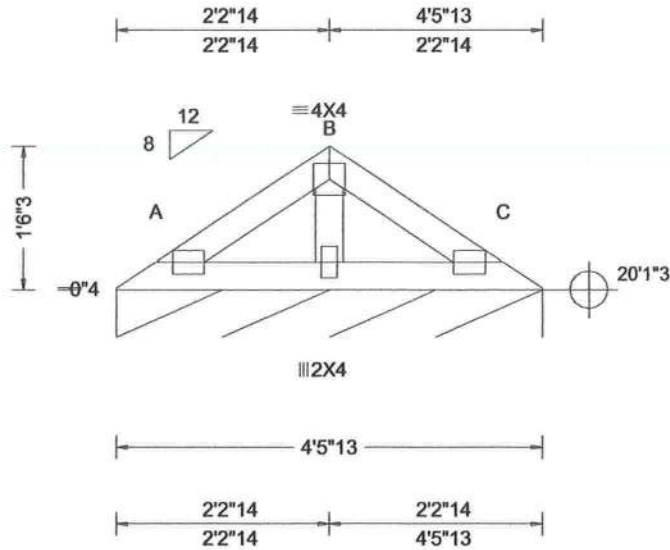
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Glenview, IL 60025

SEQN: 622027 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: P2E	Cust: R 215 JRef: 1XZW2150002 T18 DrwNo: 137.24.1119.23420 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.71 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.044 Max BC CSI: 0.032 Max Web CSI: 0.026 VIEW Ver: 23.02.04.0123.14	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A* 61 /- /- /35 /- /- Wind reactions based on MWFRS A Brg Wid = 53.8 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160220723 for piggyback details.
The overall height of this truss excluding overhang is 1'-7-13.



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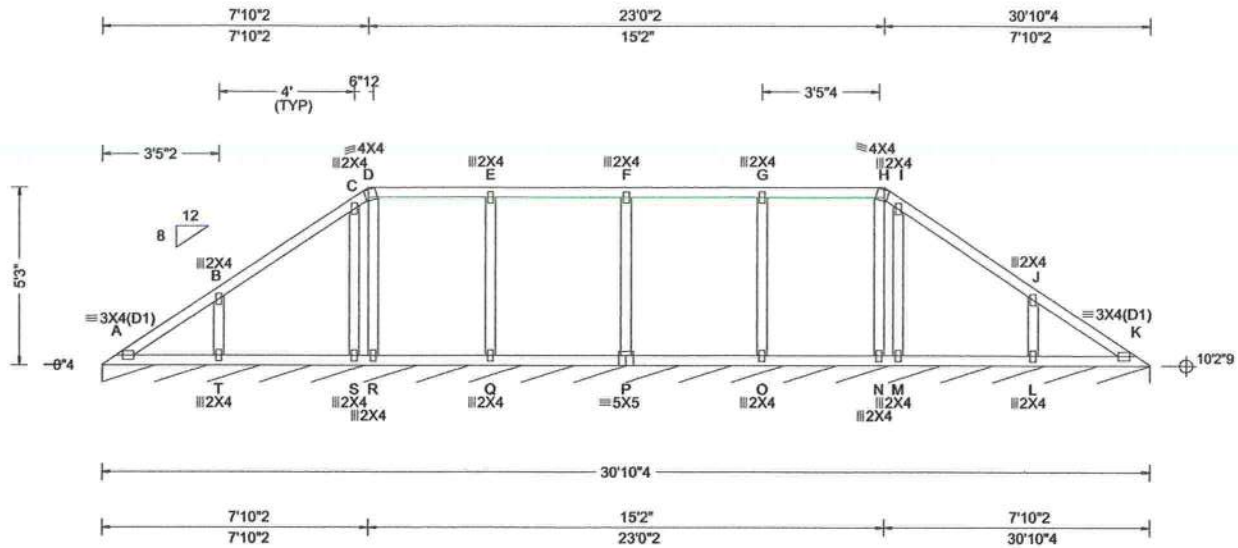
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155 Harlem Ave
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Glenview, IL 60025

SEQN: 621984 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V1	Cust: R 215 JRef: 1XZW2150002 T15 DrwNo: 137.24.1119.26533 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B 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: 3.09 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 K 999 360 VERT(CL): 0.005 K 999 240 HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.128 Max Web CSI: 0.133 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K* 84 /- /- /42 /2 /3 Wind reactions based on MWFRS K Brg Wid = 370 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 5-3-0.



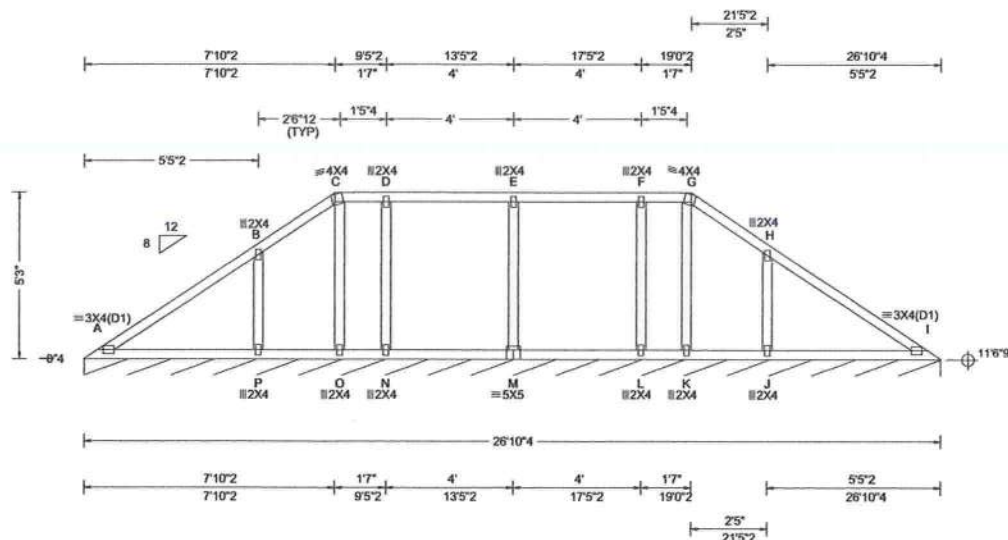
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 621982 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V1A	Cust: R 215 JRef: 1XZW2150002 T35 DrwNo: 137.24.1119.46443 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * =PLF						
TCLL: 20.00	Wind Std: ASCE 7-22	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): 0.014 I 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.029 I 999 240	I*	84	/-	/-	/42	/2	/3
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 A - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.013 A - -	I Brg Wid = 322 Min Req = -						
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.357	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.234							
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.135							
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)								
	Loc. from endwall: not in 9.00 ft	Plate Type(s):								
	GCpi: 0.18	WAVE								
	Wind Duration: 1.60		VIEW Ver: 23.02.04.0123.14							

Wind reactions based on MWFRS
I Brg Wid = 322 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 5-3-0.



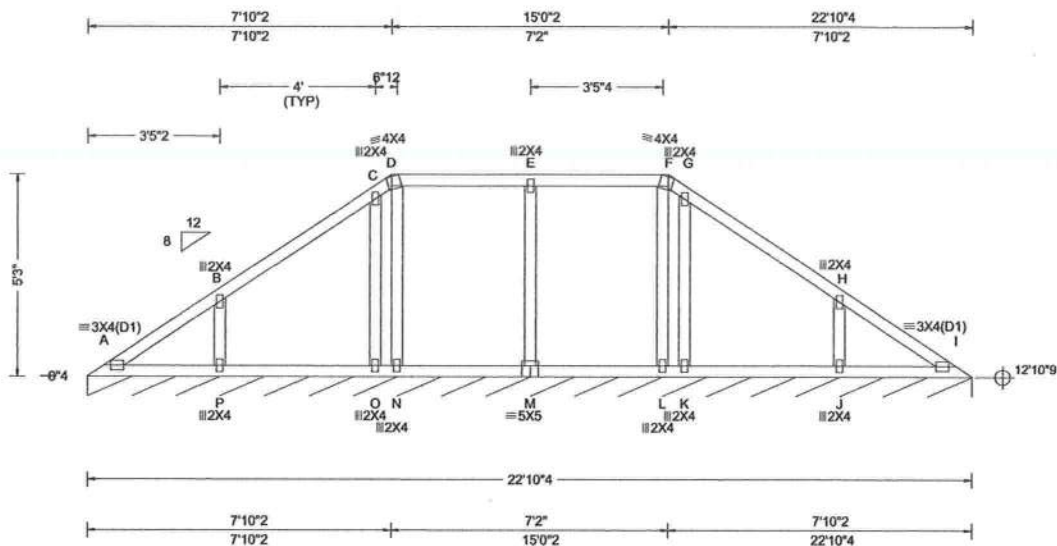
COA #0275

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SEQN: 621980 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V2	Cust: R 215 JRef: 1XZW2150002 T36 DrwNo: 137.24.1119.48430 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.66 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 I 999 360 VERT(CL): 0.005 I 999 240 HORZ(LL): 0.001 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.222 Max BC CSI: 0.128 Max Web CSI: 0.139 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I* 84 /- /- /43 /2 /4 Wind reactions based on MWFRS I Brg Wid = 274 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 5-3-0.



COA #0 278

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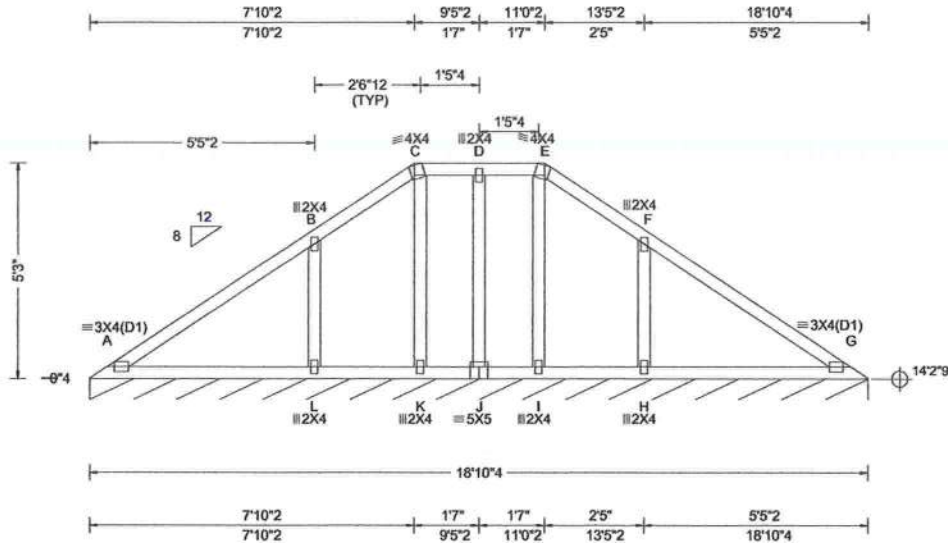
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SEQN: 621978 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V3	Cust: R215 JRef: 1XZW2150002 T37 DrwNo: 137.24.1119.49810 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.99 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 G 999 360 VERT(CL): 0.028 G 999 240 HORZ(LL): 0.006 A - - HORZ(TL): 0.012 A - - Creep Factor: 2.0 Max TC CSI: 0.317 Max BC CSI: 0.227 Max Web CSI: 0.087 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL G* 84 /- /- /43 /2 /5 Wind reactions based on MWFRS G Brg Wid = 226 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 5-3-0.



COA #0278

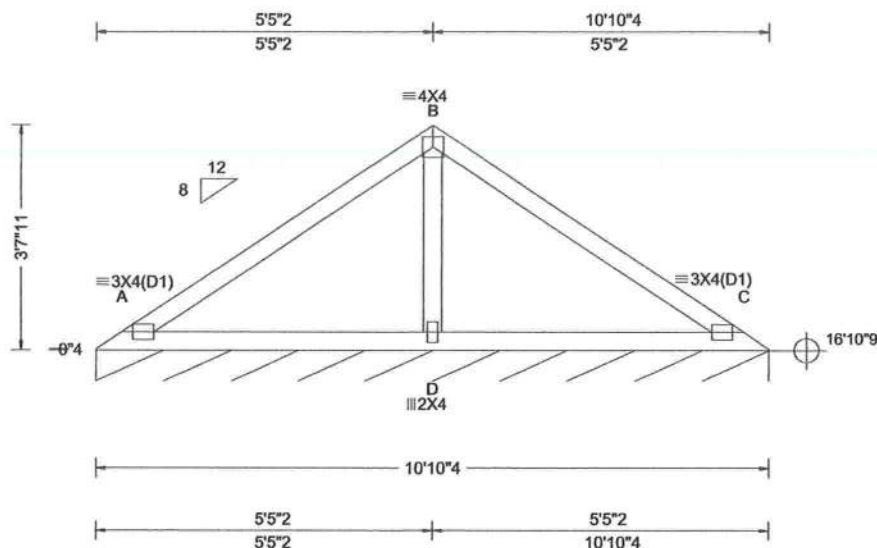
05/16/2024

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SEQN: 621988 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V5	Cust: R 215 JRef: 1XZW2150002 T39 DrwNo: 137.24.1119.52947 NW / FV 05/16/2024
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs), or *=PLF							
TCLL:	20.00	Wind Std:	ASCE 7-22	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):	0.016	C	999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.033	C	999 240	C*	84	/-	/-	/43	/-	/6
BCDL:	10.00	Risk Category:	II	Snow Duration: NA				HORZ(LL):	-0.008	C - -	Wind reactions based on MWFRS						
Des Ld:	40.00	EXP: B	Kzt: NA					HORZ(TL):	0.017	C - -	C Brg Wid = 130 Min Req = -						
NCBCLL:	10.00	Mean Height:	18.86 ft				Building Code:	Creep Factor:	2.0		Bearing A is a rigid surface.						
Soffit:	2.00	TCDL:	5.0 psf				FBC 8th Ed. 2023 Res.	Max TC CSI:	0.419		Members not listed have forces less than 375#						
Load Duration:	1.25	BCDL:	5.0 psf				TPI Std: 2014	Max BC CSI:	0.348		Maximum Top Chord Forces Per Ply (lbs)						
Spacing:	24.0 "	MWFRS Parallel Dist:	h to 2h				Rep Fac: Yes	Max Web CSI:	0.163		Chords	Tens.Comp.		Chords	Tens. Comp.		
		C&C Dist a:	3.00 ft				FT/RT:20(0)/10(0)				A - B	392	-125	B - C	392	-122	
		Loc. from endwall:	not in 9.00 ft				Plate Type(s):										
		GCpi:	0.18														
		Wind Duration:	1.60				WAVE										
										VIEW Ver: 23.02.04.0123.14							
Lumber													Maximum Web Forces Per Ply (lbs)				
Top chord: 2x4 SP #2;													Webs		Tens.Comp.		
													B - D		222 -625		

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 3-7-11.

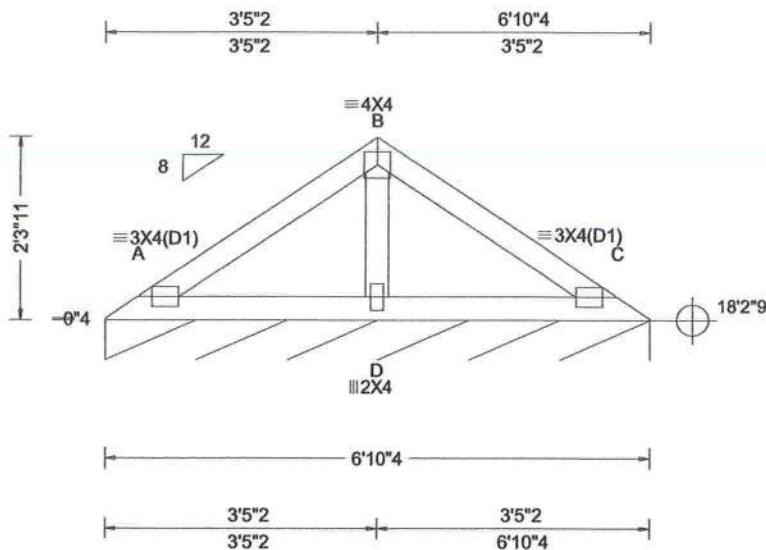


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-22	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.004 C 999 360	C*	84	/-	/-	/42	/-	/6
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.008 C 999 240	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 C - -	C Brg Wid = 82.3 Min Req = -						
Des Ld: 40.00	EXP: B Kzt: NA	Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.004 C - -	Bearing A is a rigid surface.						
NCBCLL: 10.00	Mean Height: 19.52 ft		Creep Factor: 2.0	Members not listed have forces less than 375#						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.141							
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.123							
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h		Max Web CSI: 0.058							
	C&C Dist a: 3.00 ft		VIEW Ver: 23.02.04.0123.14							
	Loc. from endwall: not in 9.00 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 2-3-11.



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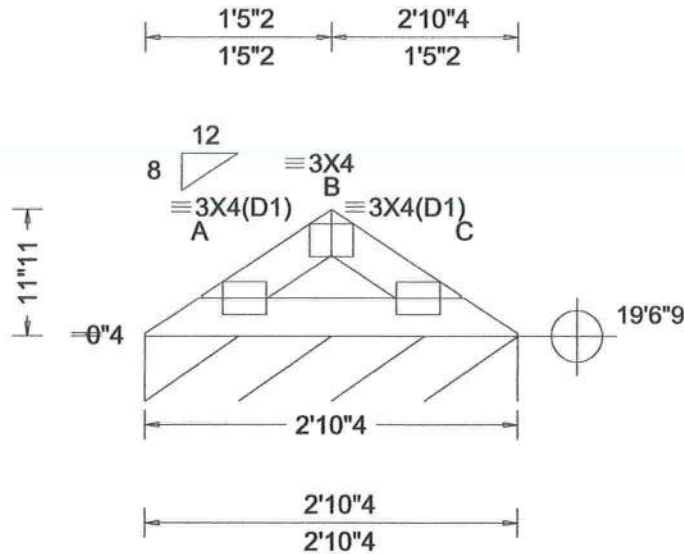
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Glenview, IL 60025

SEQN: 621992 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V7	Cust: R 215 JRef: 1XZW2150002 T41 DrwNo: 137.24.1119.56797 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.035 Max BC CSI: 0.052 Max Web CSI: 0.000 VIEW Ver: 23.02.04.0123.14	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity C* 83 /- /- /37 /- /4 Wind reactions based on MWFRS C Brg Wid = 34.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

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



COA #0278

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

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

Plating Notes
All plates are 2X4 except as noted.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
Gable meets L/120 deflection criteria for wind load applied to face. Calculated deflection ratio is L/518.

Gable Reinforcement
(a) 1x4 "L" reinforcement. Any species and grade. 80% length of web member. Attach with 10d (0.131"x3", min.) nails @ 2" oc at each end for the first 18" and then 4" oc for the remainder.
+ Member to be laterally braced for out of plane wind loads

See DWGS VALTN220723 and VAL180220723 for valley details.

Additional Notes
Exposed portion of gable face shall be reinforced with sheathing and the wind pressures shall be transferred into lateral diaphragms. Connections and designs for diaphragms is the responsibility of the Building Designer in accordance with ANSI/TPI 1.
The overall height of this truss excluding overhang is 6-4-0.



COA #0278
FL 05/16/2024

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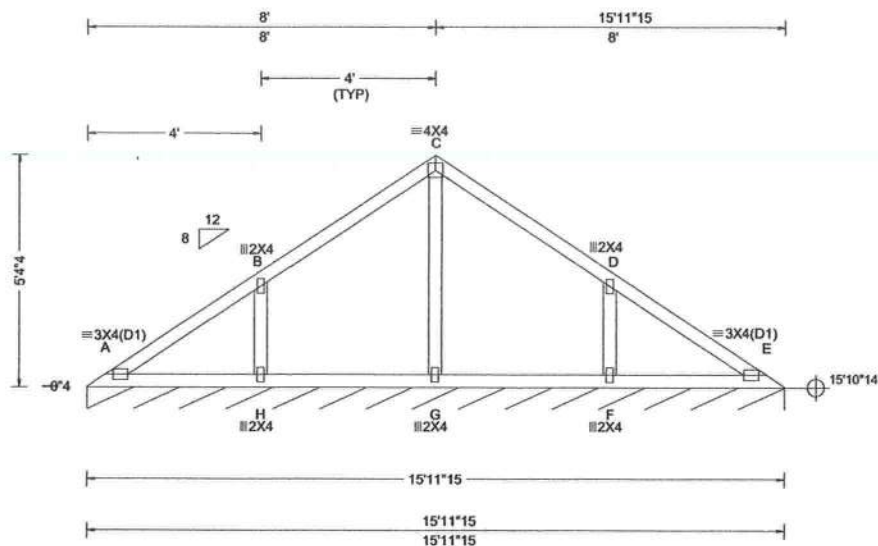
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SEQN: 621995 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V9	Cust: R 215 JRef: 1XZW2150002 T51 DrwNo: 137.24.1120.53330 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 18.74 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 E 999 360 VERT(CL): 0.009 E 999 240 HORZ(LL): -0.002 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.275 Max BC CSI: 0.143 Max Web CSI: 0.125 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /44 /4 /6 Wind reactions based on MWFRS E Brg Wid = 191 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

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



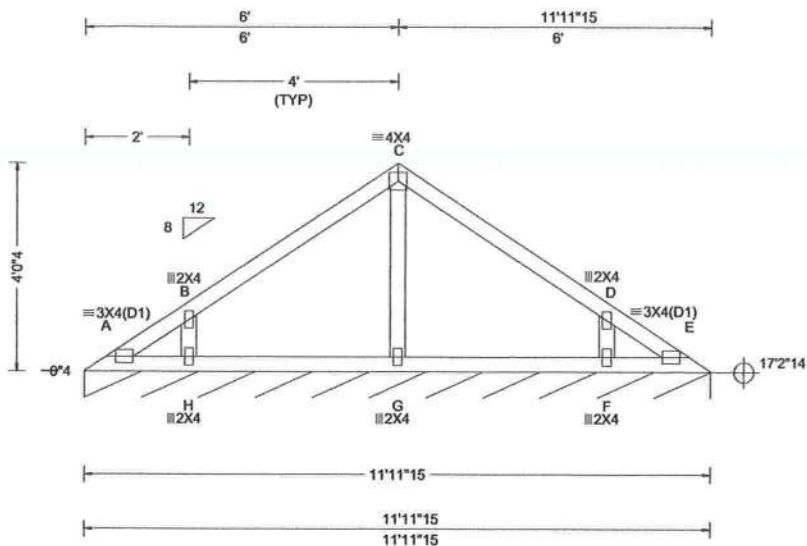
COA #0278

05/16/2024
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SEQN: 621996 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V10	Cust: R 215 JRef: 1XZW2150002 T52 DrwNo: 137.24.1119.28103 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 19.41 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.209 Max BC CSI: 0.118 Max Web CSI: 0.052 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /43 /5 /6 Wind reactions based on MWFRS E Brg Wid = 143 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

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



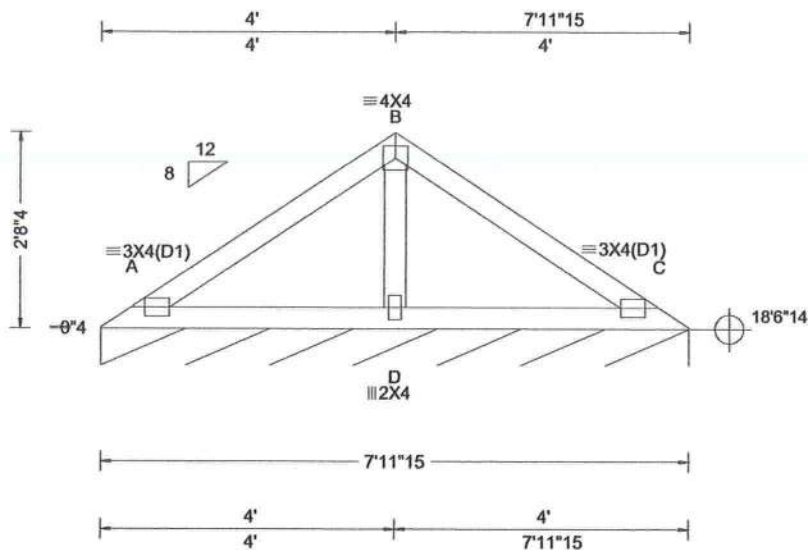
COA #0278

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SEQN: 621997 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V11	Cust: R 215 JRef: 1XZW2150002 T53 DrwNo: 137.24.1119.29593 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 20.07 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 C 999 360 VERT(CL): 0.013 C 999 240 HORZ(LL): -0.003 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.205 Max BC CSI: 0.176 Max Web CSI: 0.078 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /42 /4 /6 Wind reactions based on MWFRS C Brg Wid = 95.9 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 184 -382

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 2-8-4.



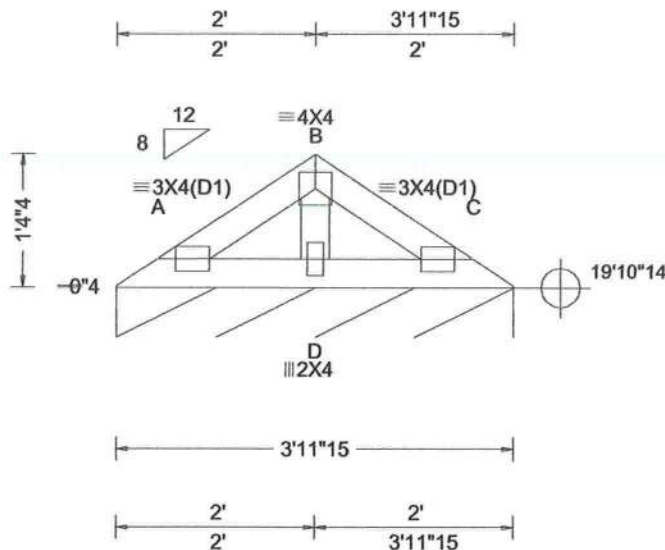
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SEQN: 621998 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V12	Cust: R 215 JRef: 1XZW2150002 T54 DrwNo: 137.24.1119.31067 NW / FV 05/16/2024
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Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00		Wind Std: ASCE 7-22	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): 0.001 C 999 360		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed	Lu: NA	Cs: NA	VERT(CL): 0.001 C 999 240		C*	83	/-	/-	/39	/2	/5
BCDL: 10.00		Risk Category: II	Snow Duration: NA		HORZ(LL): -0.000 C - -		Wind reactions based on MWFRS						
		EXP: B Kzt: NA			HORZ(TL): 0.001 C - -		C Brg Wid = 47.9 Min Req = -						
Des Ld: 40.00		Mean Height: 20.74 ft			Creep Factor: 2.0		Bearing A is a rigid surface.						
NCBCLL: 10.00		TCDL: 5.0 psf	Building Code:		Max TC CSI: 0.039		Members not listed have forces less than 375#						
Soffit: 2.00		BCDL: 5.0 psf	FBC 8th Ed. 2023 Res.		Max BC CSI: 0.030								
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014		Max Web CSI: 0.024								
Spacing: 24.0 "		C&C Dist a: 3.00 ft	Rep Fac: Yes		VIEW Ver: 23.02.04.0123.14								
		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										

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

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



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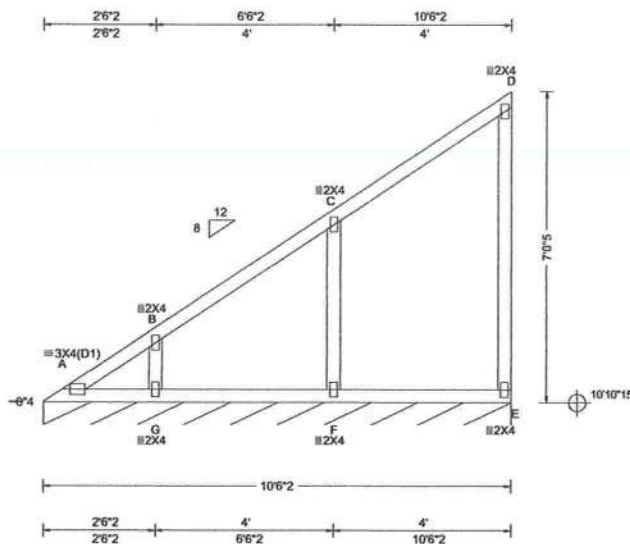
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Glenview, IL 60025

SEQN: 622000 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V13	Cust: R 215 JRef: 1XZW2150002 T42 DrwNo: 137.24.1119.32590 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 360 VERT(CL): 0.002 C 999 240 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.271 Max BC CSI: 0.159 Max Web CSI: 0.105 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /53 /1 /15 Wind reactions based on MWFRS E Brg Wid = 126 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 7'-0-5.



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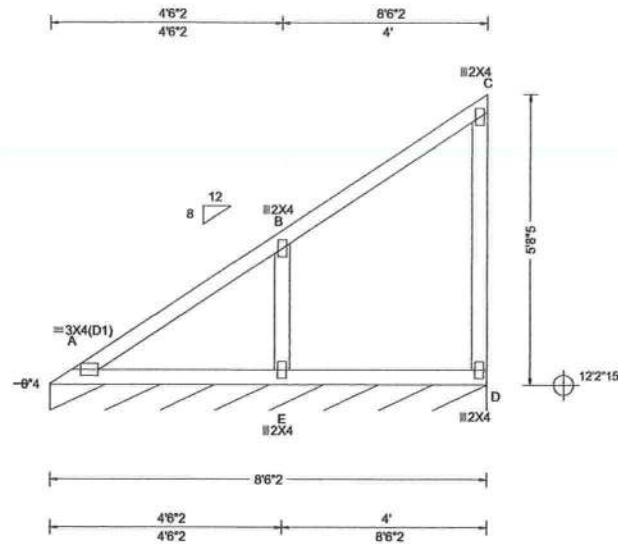
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SEQN: 622001 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V14	Cust: R 215 JRef: 1XZW2150002 T43 DrwNo: 137.24.1119.33980 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.24 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 A 999 360 VERT(CL): 0.015 A 999 240 HORZ(LL): 0.002 A - - HORZ(TL): 0.005 A - - Creep Factor: 2.0 Max TC CSI: 0.299 Max BC CSI: 0.206 Max Web CSI: 0.070 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 84 /- /- /53 /1 /15 Wind reactions based on MWFRS D Brg Wid = 102 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 5-8-5.



COA #0278

05/16/2024

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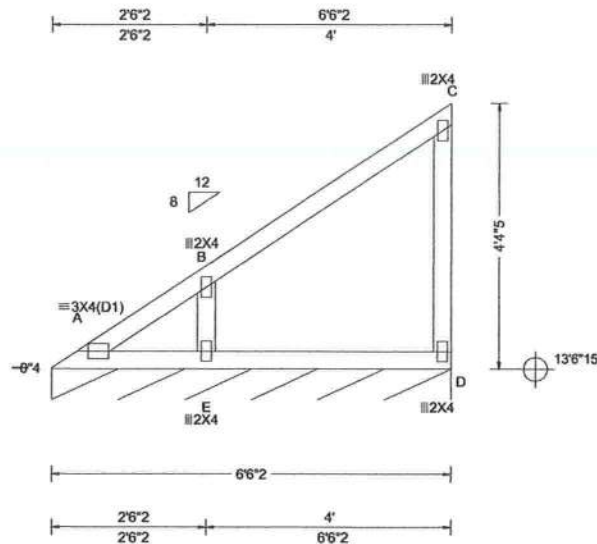
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SEQN: 622002 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V15	Cust: R 215 JRef: 1XZW2150002 T44 DrwNo: 137.24.1119.35393 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.91 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): -0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.232 Max BC CSI: 0.133 Max Web CSI: 0.065 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 84 /- /- /52 /2 /15 Wind reactions based on MWFRS D Brg Wid = 78.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.

The overall height of this truss excluding overhang is 4-4.5.



COA #0278

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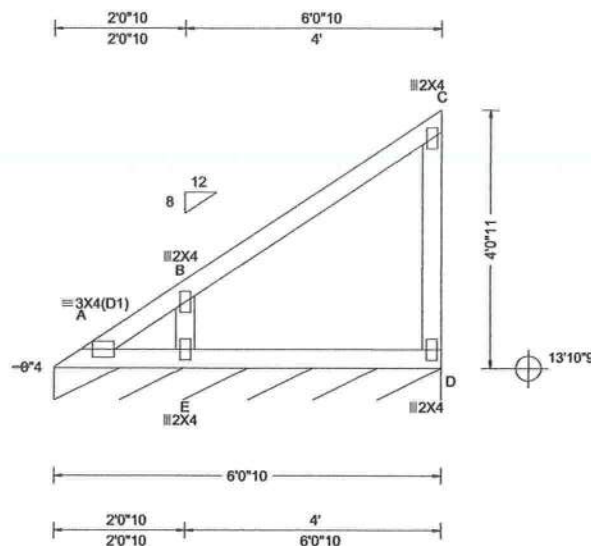
WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

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





Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *≠PLF
TCLL: 20.00	Wind Std: ASCE 7-22	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): -0.000 A 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): -0.001 A 999 240	D* 84 /- /- /52 /- /11
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.001 C - -	D Brg Wid = 72.6 Min Req = -
NCBCLL: 10.00	Mean Height: 16.06 ft	Building Code:	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf	FBC 8th Ed. 2023 Res.	Max TC CSI: 0.198	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.117	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.080	
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 23.02.04.0123.14	

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 4-0-11



COA #0 278

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 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with diagonal bracing installed in the top 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.

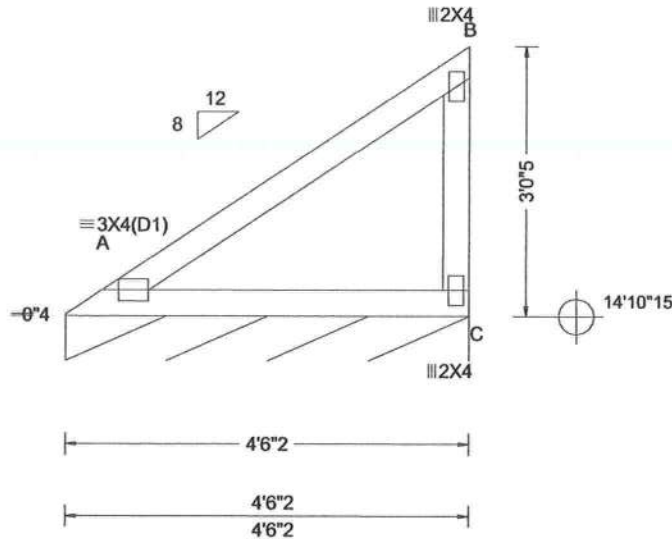
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

SEQN: 622003 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V16	Cust: R 215 JRef: 1XZW2150002 T45 DrwNo: 137.24.1119.38347 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.58 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 A - - HORZ(TL): 0.009 A - - Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.226 Max Web CSI: 0.084 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /51 /0 /14 Wind reactions based on MWFRS C Brg Wid = 54.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 3-0-5.



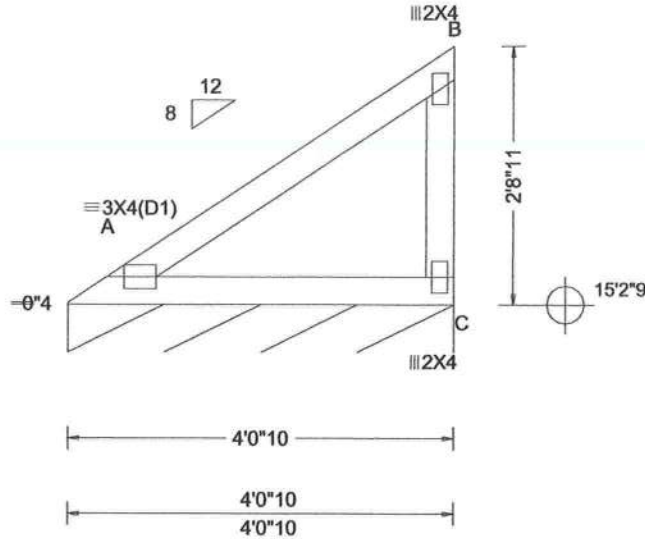
COA #0278

05/16/2024
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Glenview, IL 60025

SEQN: 622005 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V16A	Cust: R 215 JRef: 1XZW2150002 T48 DrwNo: 137.24.1119.40273 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 16.73 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 GCpt: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.003 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.197 Max BC CSI: 0.185 Max Web CSI: 0.067 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /51 /- /10 Wind reactions based on MWFRS C Brg Wid = 48.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 2-8-11.

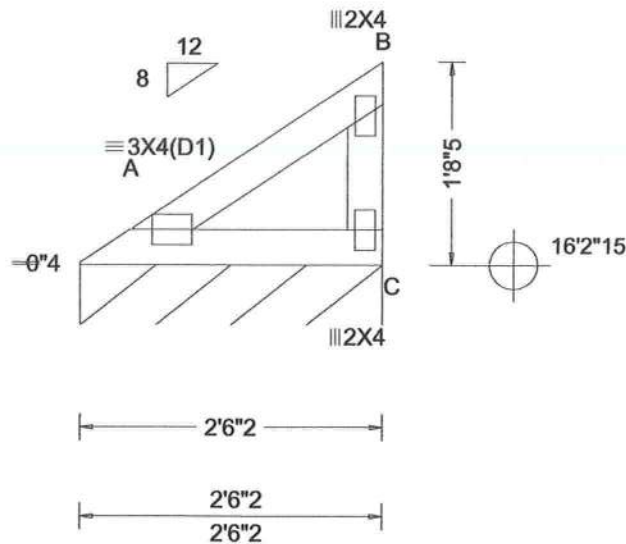


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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.24 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.068 Max BC CSI: 0.060 Max Web CSI: 0.026 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /48 /- /13 Wind reactions based on MWFRS C Brg Wid = 30.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 1-8-5.



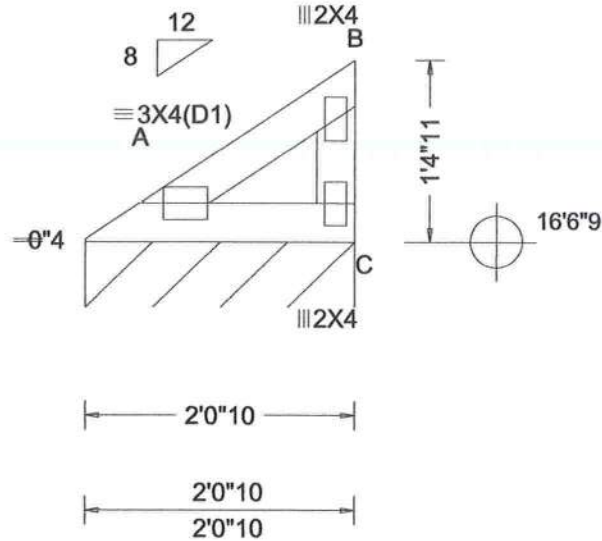
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Glenview, IL 60025

SEQN: 622006 FROM: RFG	VAL	Ply: 1 Qty: 1	Job Number: 24-0895 DIEGO CASTRO/ Lot 2 Hunters Ridge Truss Label: V17A	Cust: R 215 JRef: 1XZW2150002 T49 DrwNo: 137.24.1119.43517 NW / FV 05/16/2024
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-22 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 17.40 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 GCpt: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 8th Ed. 2023 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.042 Max BC CSI: 0.040 Max Web CSI: 0.018 VIEW Ver: 23.02.04.0123.14	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /47 /- /9 Wind reactions based on MWFRS C Brg Wid = 24.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN220723 and VAL180220723 for valley details.
The overall height of this truss excluding overhang is 14'-11".



COA #0278

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Glenview, IL 60025

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.

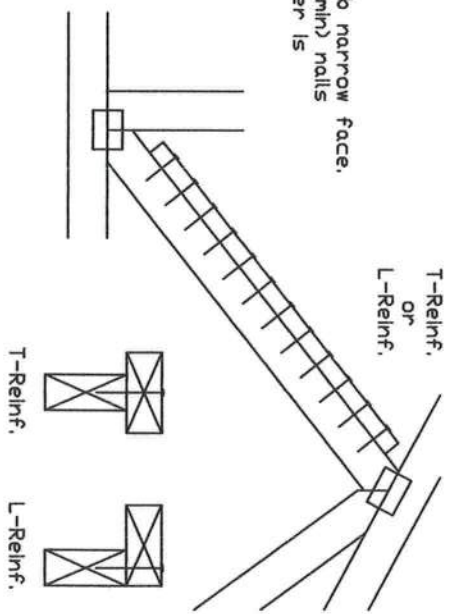
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.
2x3 or 2x4	1 row	2x4 1-2x4
2x3 or 2x4	2 rows	2x6 2-2x4
2x6	1 row	2x4 1-2x6
2x6	2 rows	2x6 2-2x4(3)
2x8	1 row	2x6 1-2x8
2x8	2 rows	2x6 2-2x6(3)

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.

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

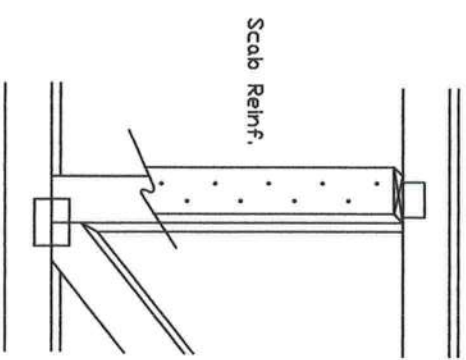
T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0", min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

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



REINFORCEMENT FLASHING 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 BCIS Building Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCIS. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCIS sections B3, B7 or B10, as applicable. Lateral restraint of webs of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1604-Z for standard plate positions.

Alpha, 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, installing, bracing or covering page listing this drawing, indicates acceptance of professional responsibility for the building designer per ANSI/TPI 1 code.

For more information see this job's general notes page and these web sites: ALPINE (www.alpine.com) TPI (www.tpi.org) SBCA (www.sbcacomponents.com) IDB (www.idb.org)



TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TDI. L.D.	PSF		
DURs/FA			
COA #0 278			
Florida Cert			
SBA/GI			
Product Approval #FL			
999			

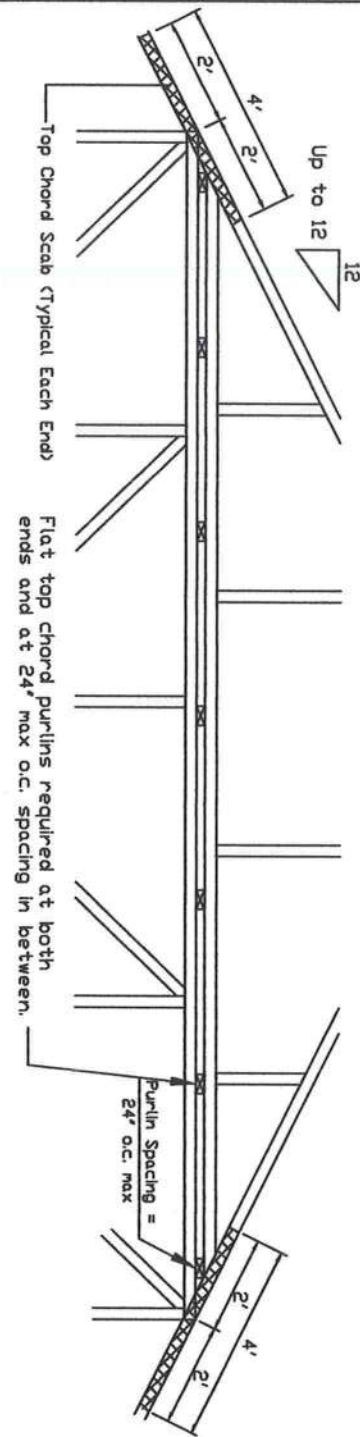


Piggyback Detail - ASCE 7-22: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

160 mph Wind, 30,000 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30,000 ft Mean Hgt, ASCE 7-22, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building designer shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends. Maximum truss spacing is 24' o.c. Detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.
Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" O.C. or less

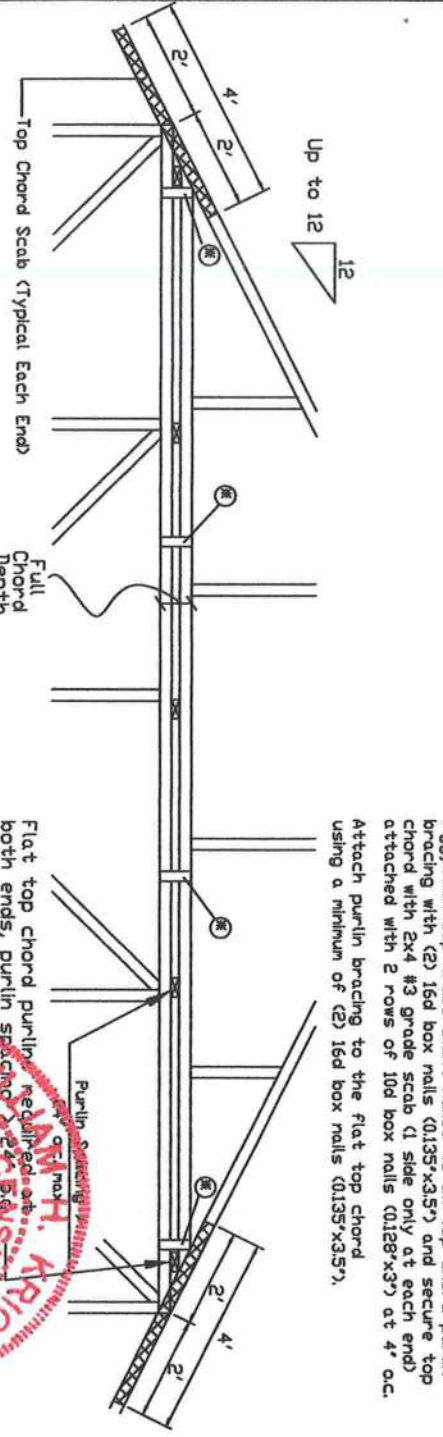


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" O.C.



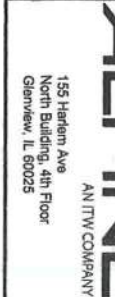
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c. Attach purlin bracing to the flat top chord using a minimum of (2) 16d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

In addition, provide connection with one of the following methods:	
Trulox	Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
APA Rated Gussset	8"x8"x7/16" (min) APA rated sheathing gusssets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gussset, (4) in cap bottom chord and (4) in base truss top chord. Gusssets may be staggered 4' o.c. front to back faces.
2x4 Vertical Scabs	2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (5) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
28PB Wave Piggyback Plate	The 28PB wave piggyback plate to each face @ 8' o.c. Attach to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per purlin. Piggyback plates may be staggered 4' o.c. front to back faces.

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. INSTALLERS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabrication, 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 both in chord and end gable shall have properly attached structural sheathing. Locations shown for permanent lateral restraint to each side of the truss shall be as shown. The building designer shall specify the type of truss and positions of truss and positions of truss and positions of truss. Refer to drawings 150A-2 for standard plate positions.



Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build 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 Sect.2. For more information see this job's general notes page and these web sites: ALPINE: www.alpine.com; TPI: www.tpi.org; SBCA: www.sbcacomponents.com; ICD: www.icd.org

NO. 70861	STATE OF FLORIDA	PROFESSIONAL ENGINEER
COA #0 278	05/16/2024	5/16/2024
Product Approval #FL	1999	1999
REF	PIGGBACK	
DATE	07/03/2023	
DRWG	PB160220723	

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

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

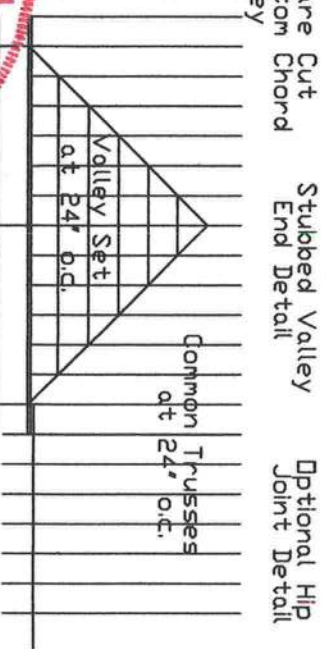
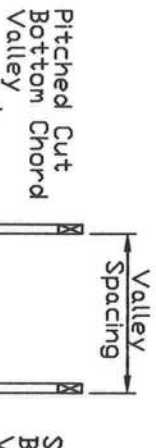
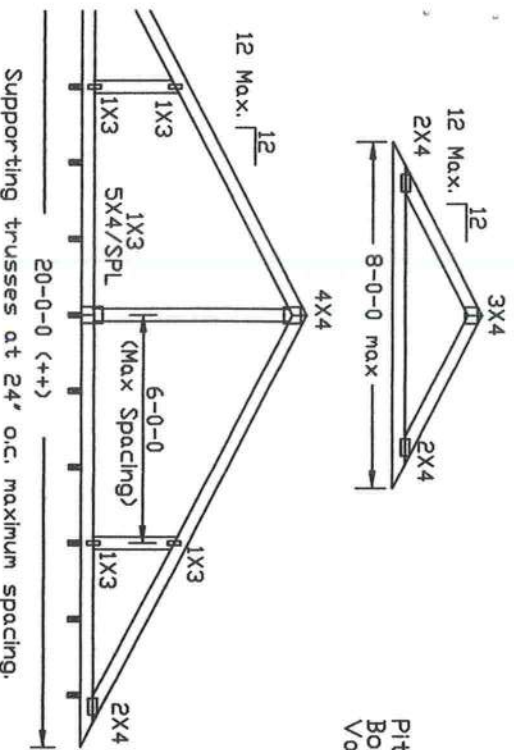
*** Attach each valley to every supporting truss with:

S35# connection or with (1) Simpson H2.5A or equivalent connector for
ASCE 7-22 180 mph, 30' Mean Height, Part. Enc.
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-22 160 mph, 30' Mean Height, Part. Enc.
Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.



Unless specified otherwise on engineer's sealed design, for vertical valley webs taller than 7-9" apply 2x4 "T" reinforcement, 80% length of web, same species and grade or better, attached with 10d box (0.128" 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 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.

Or
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".

Common Trusses at 24" o.c.

Partial Framing Plan

IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and SIDA for every practice 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 bracing installed per BCSI. Trusses shall be braced for permanent lateral resistance of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

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 & bracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineer's responsibility for the design. The seal is the property of the engineer and shall not be used on any other structure in the responsibility of the engineer.

For more information see this job's general notes page and these web sites
ALPINE: www.alpineinc.com TPI: www.tpi.org SIDA: www.sida-components.com IDB: www.idb.org



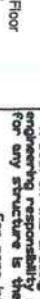
155 Hidden Ave
North Building, 4th Floor
Glenview, IL 60025



TE-LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	07/03/2023
BC DL	10	10	10PSF	DRWG	VAL180220723
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		

COA #0 278 DUR, PSL, 1251, 115
Florida Certified Product Approval #FL 2410

1999



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

IMPORTANT: 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 BCIS Cladding Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCIS. Trusses shall be braced and bracing shall be attached to the truss at the top chord and bottom chord. Trusses shall have a properly attached rigid ceiling. Location of trusses shall be as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positions.

Alpine, a division of TTV Building Components Group, Inc. shall not be responsible for any damage to the trusses or the building structure caused by the trusses or the building structure. The responsibility for any structure is the responsibility of the Building Designer per ANSI/TPI 1, Section 2.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpine.com TPI: www.tpi.org SBCA: www.sbcacomponents.com ICC: www.icc-es.org



COA #0 278

Florida Certificate of Approval

TC	LL	30	30	40	PSF	REF
TC	DL	20	15	7 <td>PSF</td> <td>DATE 07/03/2023</td>	PSF	DATE 07/03/2023
BC	DL	10	10	10	PSF	DRWG VALTN220723
BC	LL	0	0	0	PSF	
TOT. LD.		60	55	57	PSF	

06/06/2025 11:33 AM

Approved: [Signature]

FL 1999

