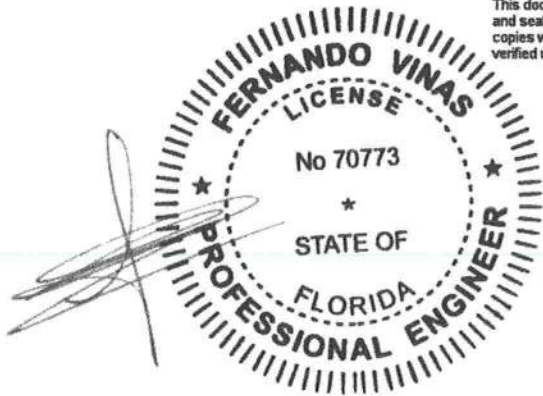




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04/21/2022

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

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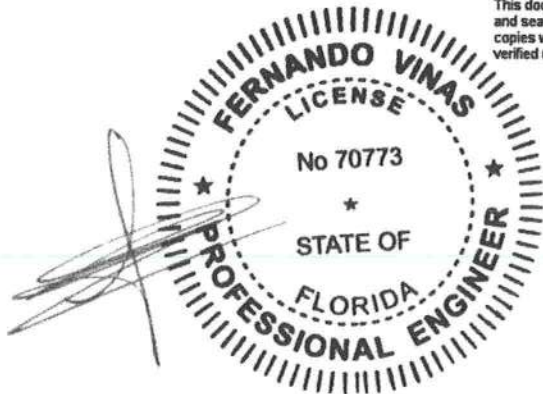
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7286
Job Description: Lot 4 River Rise Condo	
Address:	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.		IntelliVIEW Version: 21.01.01A	
		JRef #: 1XeV2150013	
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 40.00	
Building Type: Closed			

This package contains general notes pages, 72 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	111.22.0846.08667	A01
3	111.22.0846.14060	A03
5	111.22.0848.02763	A05
7	111.22.0848.06103	A07
9	111.22.0848.09013	A09
11	111.22.0848.36040	B01
13	111.22.0849.24980	B03
15	111.22.0851.14470	B05
17	111.22.0851.20993	B07
19	111.22.0852.18110	B09
21	111.22.0852.34723	B11
23	111.22.0859.39377	C01
25	111.22.0852.43490	C03
27	111.22.0852.47777	D01
29	111.22.0854.45943	D03
31	111.22.0854.53480	D05
33	111.22.0855.00517	D07
35	111.22.0855.05780	D09
37	111.22.0855.09843	D11
39	111.22.0855.14417	D13
41	111.22.0855.21663	D15
43	111.22.0856.14323	D17
45	111.22.0856.21570	D19
47	111.22.0857.15630	D21
49	111.22.0857.24947	D23

Item	Drawing Number	Truss
2	111.22.0846.12230	A02
4	111.22.0848.00983	A04
6	111.22.0848.04440	A06
8	111.22.0848.07703	A08
10	111.22.0848.10327	A10
12	111.22.0848.56437	B02
14	111.22.0849.37790	B04
16	111.22.0851.18863	B06
18	111.22.0852.02287	B08
20	111.22.0852.20410	B10
22	111.22.0859.30937	B14
24	111.22.0859.21000	C02
26	111.22.0852.45407	C04
28	111.22.0853.29137	D02
30	111.22.0854.47917	D04
32	111.22.0854.58290	D06
34	111.22.0855.03753	D08
36	111.22.0855.07977	D10
38	111.22.0855.12320	D12
40	111.22.0855.18553	D14
42	111.22.0855.23443	D16
44	111.22.0856.17167	D18
46	111.22.0856.35643	D20
48	111.22.0857.19827	D22
50	111.22.0857.34990	D24



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7286
Job Description: Lot 4 River Rise Condo	
Address:	

Item	Drawing Number	Truss
51	111.22.0857.37123	D25
53	111.22.0857.50250	D27
55	111.22.0858.11987	D29
57	111.22.0858.16367	J01HJ
59	111.22.0858.48140	J02HJ
61	111.22.0844.56900	J03HJ
63	111.22.0845.00287	J05
65	111.22.0845.04927	J07
67	111.22.0845.09607	PB02
69	111.22.0845.25513	PB04
71	111.22.0846.04947	PB06
73	A14015ENC160118	
75	PB160160118	
77	BRCLBSUB0119	

Item	Drawing Number	Truss
52	111.22.0857.40787	D26
54	111.22.0857.56223	D28
56	111.22.0858.13963	J01
58	111.22.0858.17797	J02
60	111.22.0844.52350	J03
62	111.22.0844.58587	J04
64	111.22.0845.02160	J06
66	111.22.0845.08230	PB01
68	111.22.0845.11157	PB03
70	111.22.0845.28103	PB05
72	111.22.0846.07163	PB07
74	GBLLETIN0118	
76	A14030ENC160118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

Des Ld = total of 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.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

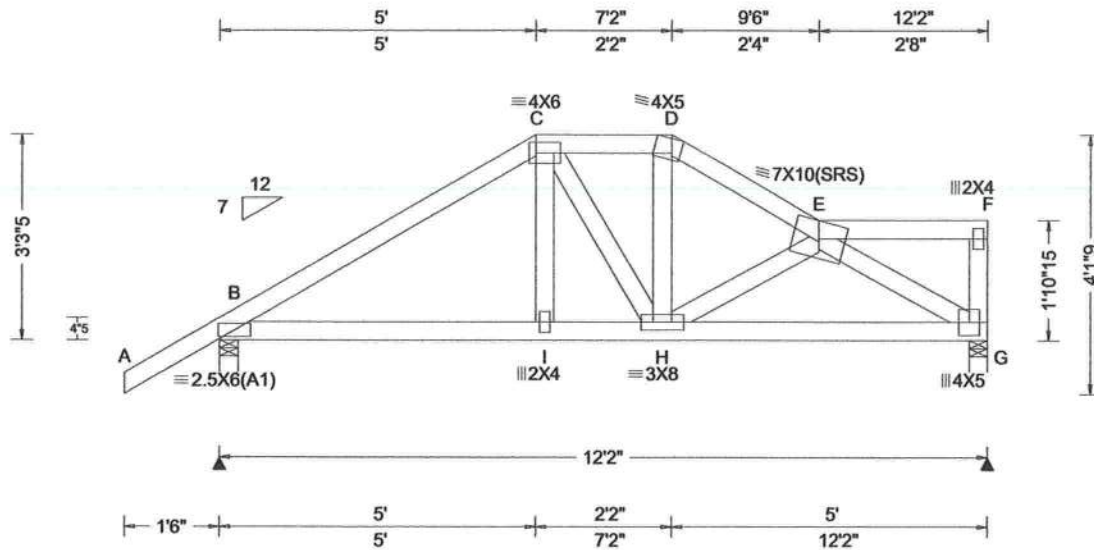
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 335788 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A01	Cust: R 215 JRef: 1XeV2150013 T54 DrwNo: 111.22.0846.08667 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 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): 0.030 I 999 240 VERT(CL): 0.061 I 999 180 HORZ(LL): 0.014 G - - HORZ(TL): 0.028 G - - Creep Factor: 2.0 Max TC CSI: 0.337 Max BC CSI: 0.469 Max Web CSI: 0.406 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1172 /- /- /- /257 /- G 1014 /- /- /- /213 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 G Brg Wid = 3.5 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 372 - 1681 D - E 355 - 1615 C - D 296 - 1389

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 63 plf at -1.50 to 63 plf at 5.00
TC: From 32 plf at 5.00 to 32 plf at 7.17
TC: From 63 plf at 7.17 to 63 plf at 12.17
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 5.03
BC: From 10 plf at 5.03 to 10 plf at 7.14
BC: From 20 plf at 7.14 to 20 plf at 12.17
TC: 241 lb Conc. Load at 5.03
TC: 129 lb Conc. Load at 6.08
TC: 210 lb Conc. Load at 7.14
BC: 275 lb Conc. Load at 5.03
BC: 90 lb Conc. Load at 6.08
BC: 217 lb Conc. Load at 7.14

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.



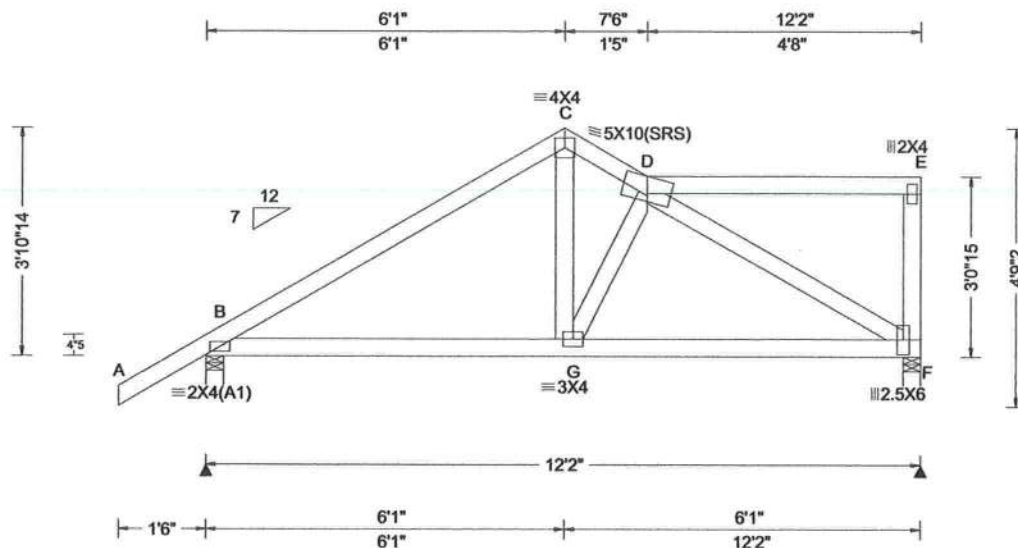
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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org



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

SEQN: 335789 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A02	Cust: R 215 JRef: 1XeV2150013 T61 DrwNo: 111.22.0846.12230 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.009 D 999 240 VERT(CL): 0.019 D 999 180 HORZ(LL): 0.004 F - - HORZ(TL): 0.008 F - - Creep Factor: 2.0 Max TC CSI: 0.416 Max BC CSI: 0.385 Max Web CSI: 0.321 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 621 /- /- /397 /100 /121 F 492 /- /- /264 /96 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 332 -623 C - D 372 -519

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - G	461 -343	G - F	504 -392

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - F	444 -572



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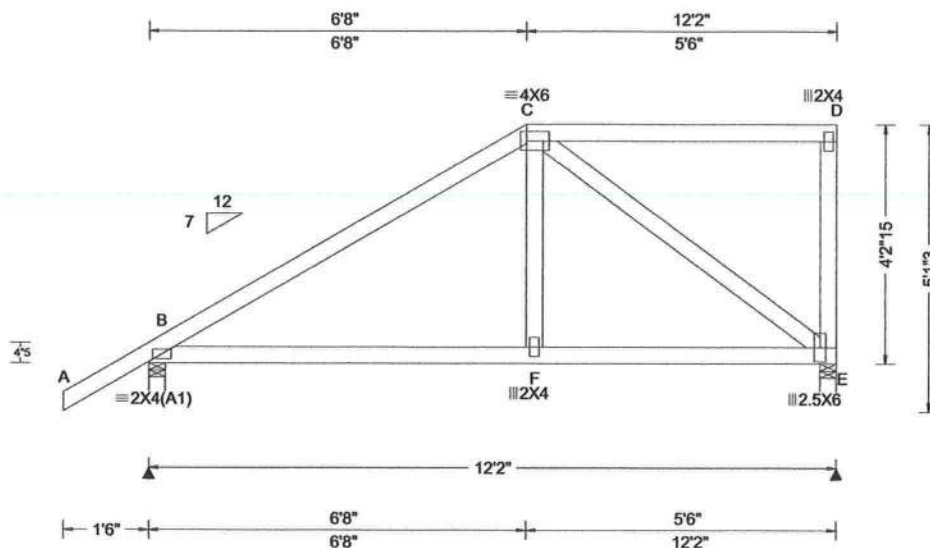
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155 Harlem Ave
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Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 B 999 240 VERT(CL): 0.023 B 999 180 HORZ(LL): 0.008 B - - HORZ(TL): 0.017 B - - Creep Factor: 2.0 Max TC CSI: 0.635 Max BC CSI: 0.405 Max Web CSI: 0.382 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 621 /- /- /408 /90 /161 E 492 /- /- /275 /110 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 277 -566

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	392 -338	F - E	398 -337

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - E	399 -476



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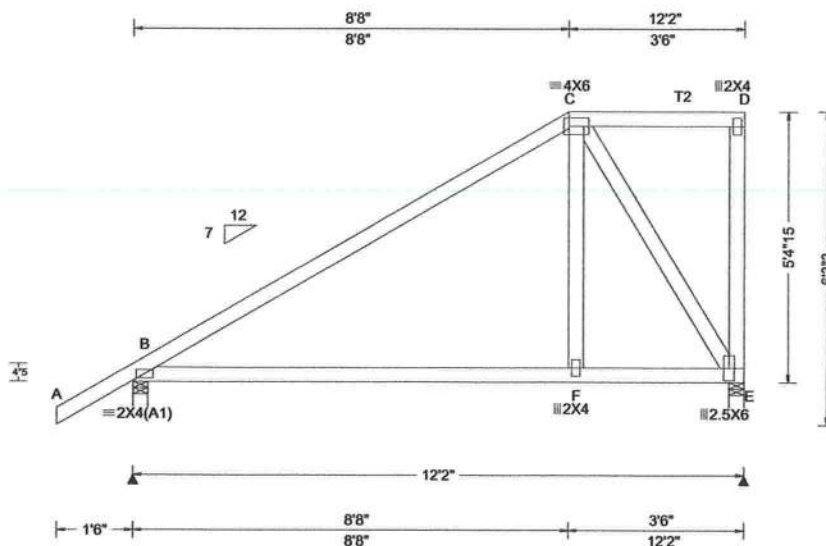
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 335791 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A04	Cust: R 215 JRef: 1XeV2150013 T59 DwnNo: 111.22.0848.00983 AK / FV 04/21/2022
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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 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.025 B 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.052 B 999 180	B	621	/-	/-	/414	/74	/203
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 B - -	E	492	/-	/-	/300	/123	/-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.039 B - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.475	E Brg Wid = 3.5 Min Req = 1.5						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.642	Bearings B & E are a rigid surface.						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.339	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: Any			Chords Tens.Comp.						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 21.01.01A.0521.21	B - C 99 -459						

Lumber

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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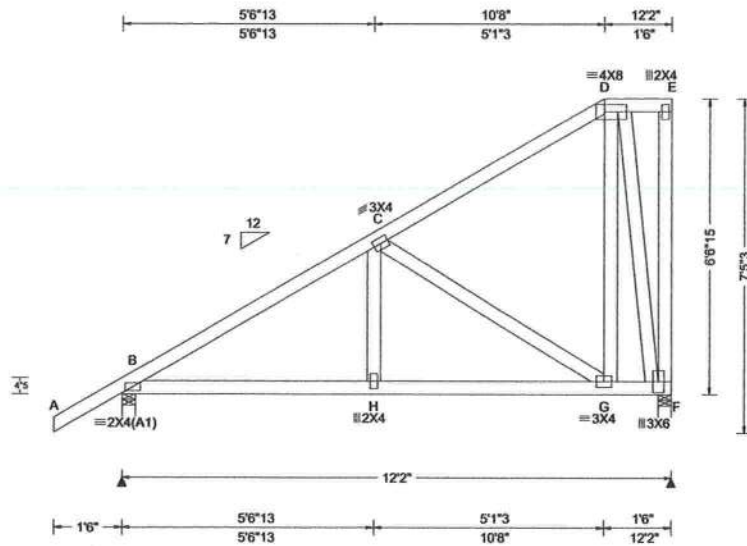
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335792 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A05	Cust: R 215 JRef: 1XeV2150013 T60 DrwNo: 111.22.0848.02763 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.011 H 999 240 VERT(CL): 0.023 H 999 180 HORZ(LL): 0.004 F - - HORZ(TL): 0.008 F - - Creep Factor: 2.0 Max TC CSI: 0.339 Max BC CSI: 0.286 Max Web CSI: 0.355 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 621 /- /- /413 /54 /244 F 492 /- /- /332 /140 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 125 -656

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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	502 -379	H - G	499 -380

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - G	365 -472	D - F	324 -456



COA#0-278
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04/21/2022

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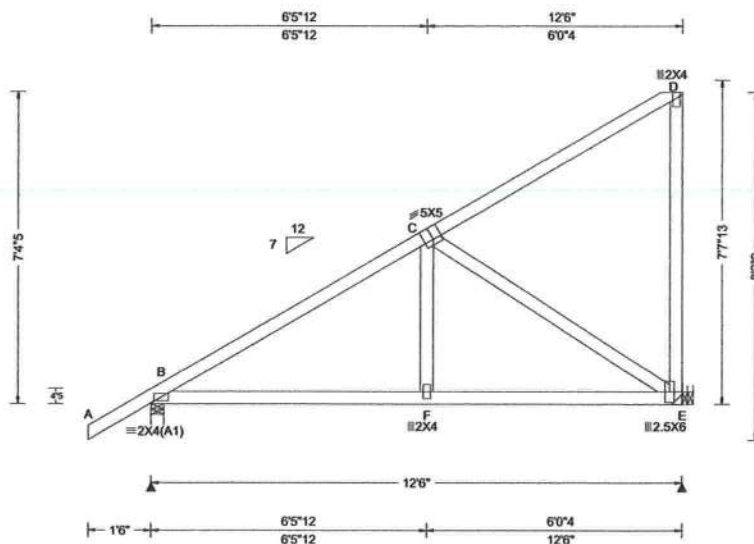
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs)													
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity				Non-Gravity								
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL):	0.009	F	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL					
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.019	F	999	180	B	635	/-	/-	/418	/42	/272					
BCDL:	10.00	Risk Category:	II	Snow Duration: NA				HORZ(LL):	0.004	E	-	-	E	508	/-	/-	/351	/144	/-				
Des Ld:	40.00	EXP:	C Kzt: NA				Building Code:	Creep Factor: 2.0			Wind reactions based on MWFRS												
NCBCLL:	10.00	Mean Height:	15.00 ft				FBC 7th Ed. 2020 Res.	Max TC CSI: 0.598			B Brg Wid = 3.5 Min Req = 1.5												
Soffit:	2.00	TCDL:	5.0 psf				TPI Std: 2014	Max BC CSI: 0.500			E Brg Wid = -												
Load Duration:	1.25	BCDL:	5.0 psf				Rep Fac: Yes	Max Web CSI: 0.531			Bearing B is a rigid surface.												
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2				FT/RT:20(0)/10(0)	Members not listed have forces less than 375#															
		C&C Dist a:	3.00 ft				Plate Type(s):	Maximum Top Chord Forces Per Ply (lbs)															
		Loc. from endwall:	Any					Chords Tens.Comp.															
		GCpi:	0.18				WAVE	VIEW Ver: 21.01.01A.0521.21															
		Wind Duration:	1.60					B - C 60 -649															

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.

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.		Chords	
				Tens. Comp.	
B - F		484	-352	F - E	
				482	-353

Maximum Web Forces Per Ply (lbs)		
Webs	Tens.Comp.	
C - E	417	-570



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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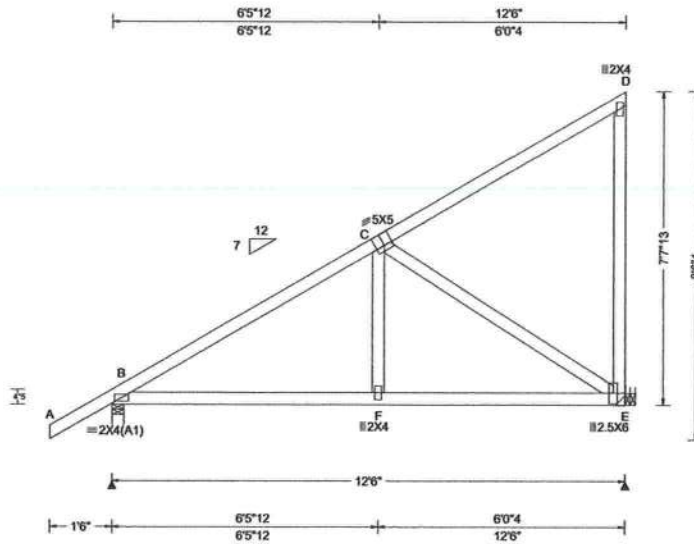
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335794 FROM:	MONO Qty: 9	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A07	Cust: R 215 JRef: 1XeV2150013 T43 DrwNo: 111.22.0848.06103 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.009 F 999 240 VERT(CL): 0.019 F 999 180 HORZ(LL): 0.004 E - - HORZ(TL): 0.009 E - - Creep Factor: 2.0 Max TC CSI: 0.626 Max BC CSI: 0.499 Max Web CSI: 0.538 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 635 /- /- /417 /37 /282 E 506 /- /- /371 /159 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 45 -650 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - F 487 -356 F - E 484 -357 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - E 426 -577

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.



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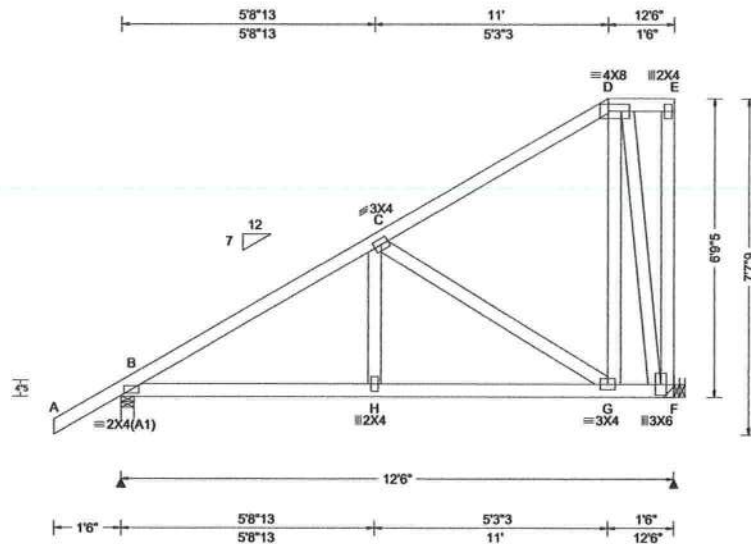
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335795 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A08	Cust: R 215 JRef: 1XeV2150013 T63 DrwNo: 111.22.0848.07703 AK / FV 04/21/2022
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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 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	635	/-	/-	/422	/54	/251
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.012 H 999 240	F	506	/-	/-	/342	/145	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.024 H 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.004 F - -	B Brg Wid = 3.5 Min Req = 1.5						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.009 F - -	F Brg Wid = -						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing B is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.364	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.303	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.389	Chords Tens.Comp.						
	C&C Dist a: 3.00 ft		VIEW Ver: 21.01.01A.0521.21	B - C	125	-677				
	Loc. from endwall: Any									
	GCpi: 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.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
B - H	517	-385	H - G	515	-386

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
C - G	373	-489	D - F	328	-471



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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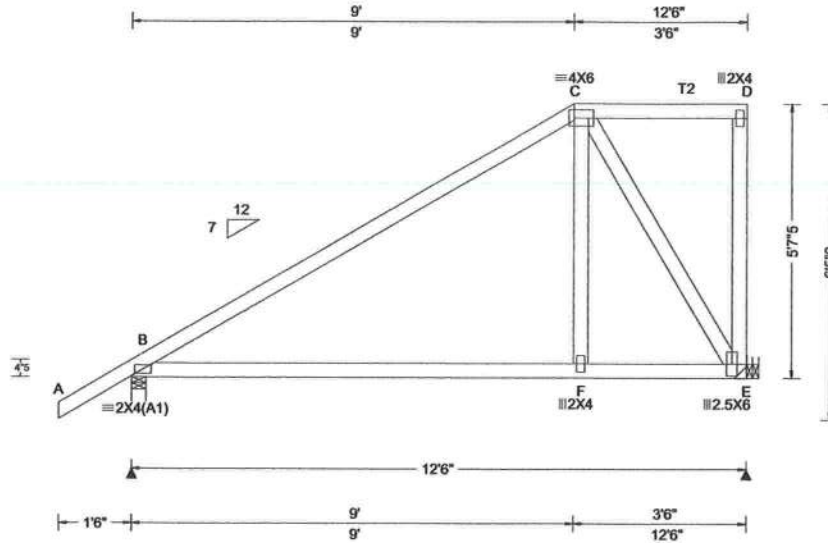
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335796 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A09	Cust: R 215 JRef: 1XeV2150013 T65 DrwNo: 111.22.0848.09013 AK / FV 04/21/2022
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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 7-16	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): 0.029 B 999 240	B	635	/-	/-	/423	/74	/210
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.059 B 999 180	E	506	/-	/-	/311	/127	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.022 B - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.044 B - -	B Brg Wid = 3.5 Min Req = 1.5						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	E Brg Wid = -						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.519	Bearing B is a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.702	Members not listed have forces less than 375#						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.370	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 3.00 ft			Chords Tens.Comp.						
	Loc. from endwall: Any			B - C 93 -467						
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 21.01.01A.0521.21							

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Hangers / Ties

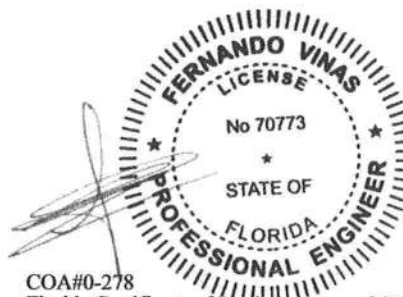
(J) Hanger Support Required, by others

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.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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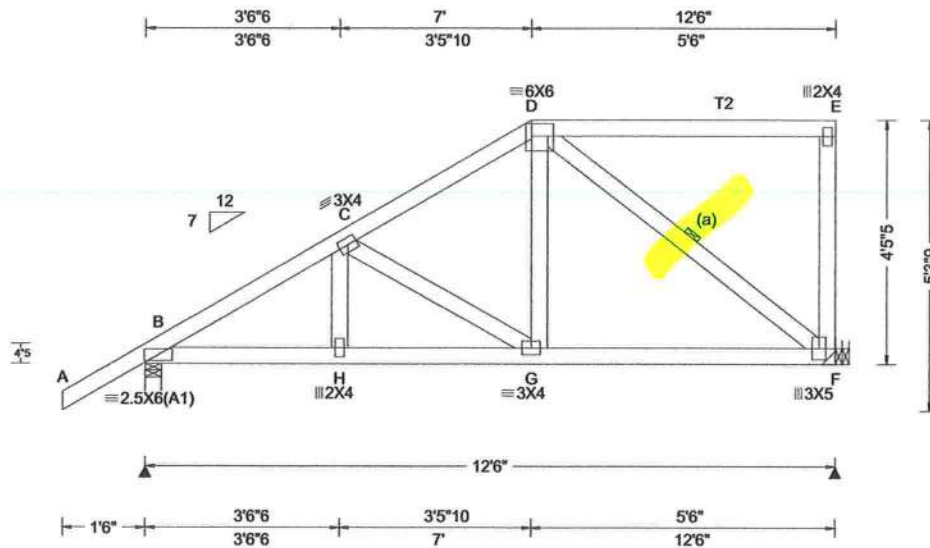
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335797 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: A10	Cust: R 215 JRef: 1XeV2150013 T55 DrwNo: 111.22.0848.10327 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 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): 0.030 G 999 240 VERT(CL): 0.061 G 999 180 HORZ(LL): 0.013 F - - HORZ(TL): 0.026 F - - Creep Factor: 2.0 Max TC CSI: 0.506 Max BC CSI: 0.830 Max Web CSI: 0.420 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1130 /- /- /- /235 /- F 1377 /- /- /- /300 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = - 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 329 -1623 C - D 293 -1485 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - H 1346 -265 G - F 1230 -233 H - G 1348 -266 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D - G 808 0 D - F 292 -1540

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 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 63 plf at -1.50 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 12.50
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 12.50
TC: 486 lb Conc. Load at 7.03
TC: 190 lb Conc. Load at 9.06
TC: 197 lb Conc. Load at 11.06
BC: 461 lb Conc. Load at 7.06
BC: 130 lb Conc. Load at 9.06
BC: 132 lb Conc. Load at 11.06

Hangers / Ties

(J) Hanger Support Required, by others

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.



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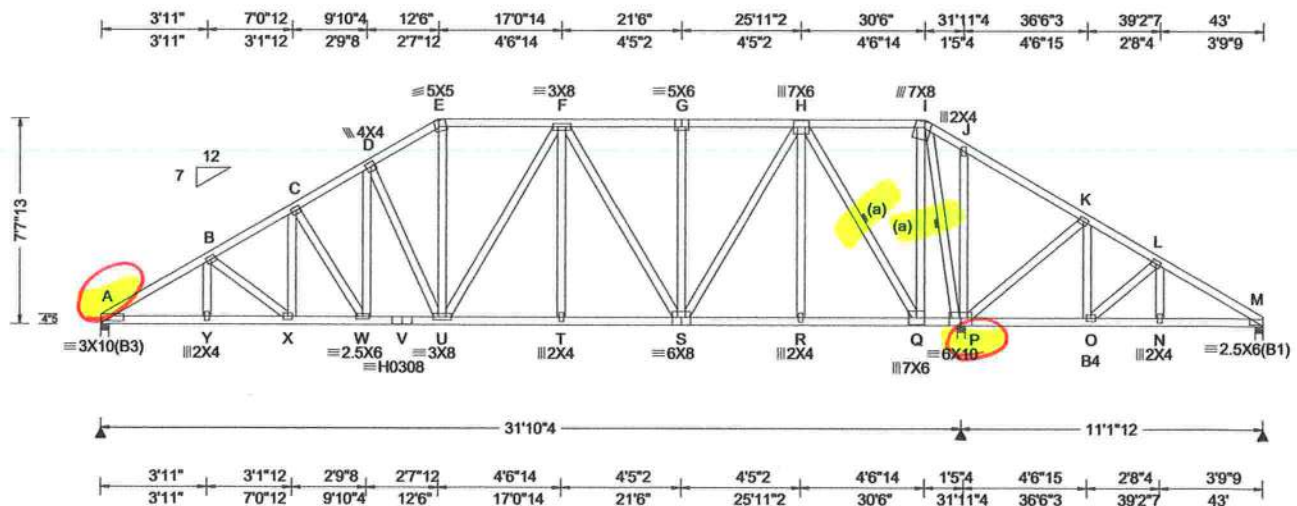
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.131 T 999 240 VERT(CL): 0.266 T 999 180 HORZ(LL): 0.043 C - - HORZ(TL): 0.086 C - - Creep Factor: 2.0 Max TC CSI: 0.592 Max BC CSI: 0.441 Max Web CSI: 0.920 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 3968 /- /- /- /990 /- P 6628 /- /- /- /1777 /- M 220 /-715 /- /178 /- /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.6 P Brg Wid = 3.5 Min Req = 3.3 M Brg Wid = 3.5 Min Req = 1.5 Bearings A, P, & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

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: 1 Row @ 8.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 7.06
TC: From 32 plf at 7.06 to 32 plf at 30.50
TC: From 63 plf at 30.50 to 63 plf at 43.00
BC: From 20 plf at 0.00 to 20 plf at 7.06
BC: From 10 plf at 7.06 to 10 plf at 31.83
BC: From 20 plf at 31.83 to 20 plf at 43.00
BC: 1377 lb Conc. Load at 7.06
BC: 506 lb Conc. Load at 9.06, 11.06, 12.94, 14.94
16.94, 18.94, 20.94, 22.94, 24.94, 26.94, 28.94
BC: 508 lb Conc. Load at 30.94

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Additional Notes

Negative reaction(s) of -715# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.

It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.



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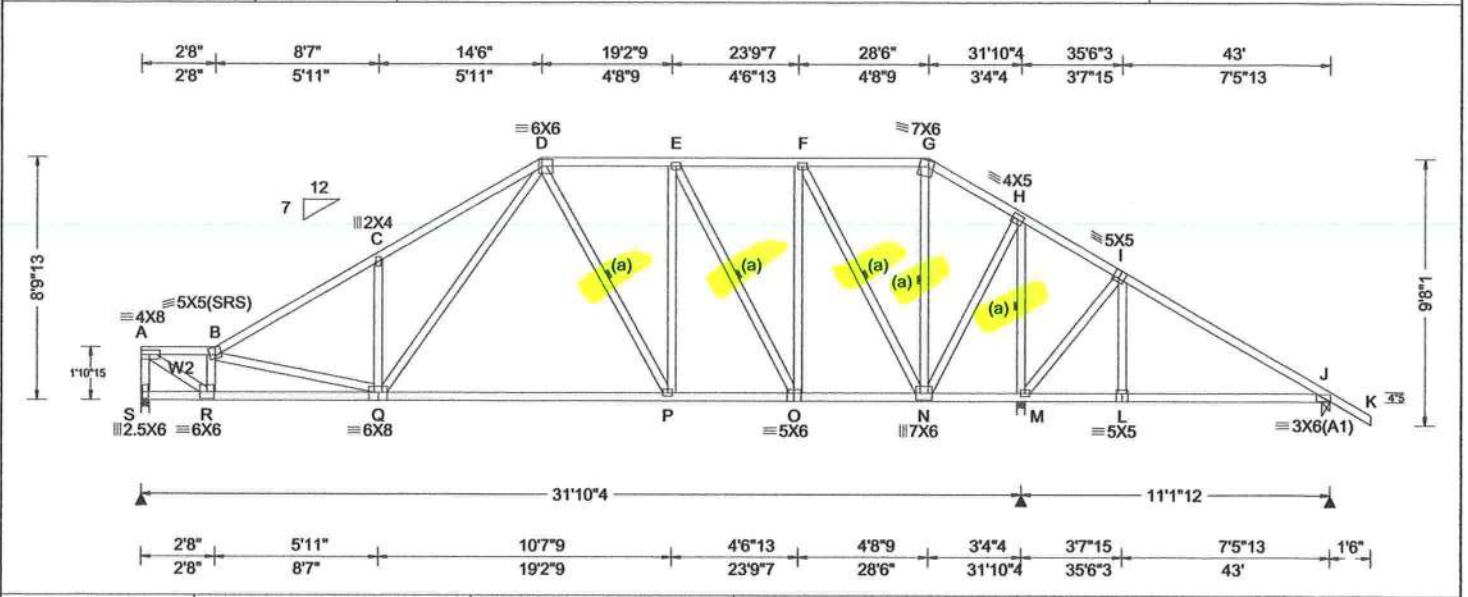
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - Y	3007 -759	T - S	2269 -630
Y - X	3010 -761	S - R	1052 -305
X - W	3025 -776	R - Q	1052 -305
W - V	2620 -691	P - O	186 -717
V - U	2620 -691	O - N	157 -617
U - T	2269 -630	N - M	157 -614

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
X - C	742 -141	F - S	205 -814
C - W	148 -709	S - H	1566 -425
W - D	960 -207	H - R	621 -176
D - U	183 -831	H - Q	659 -2358
E - U	1246 -331	Q - I	2365 -666
F - T	591 -168	I - P	801 -2882

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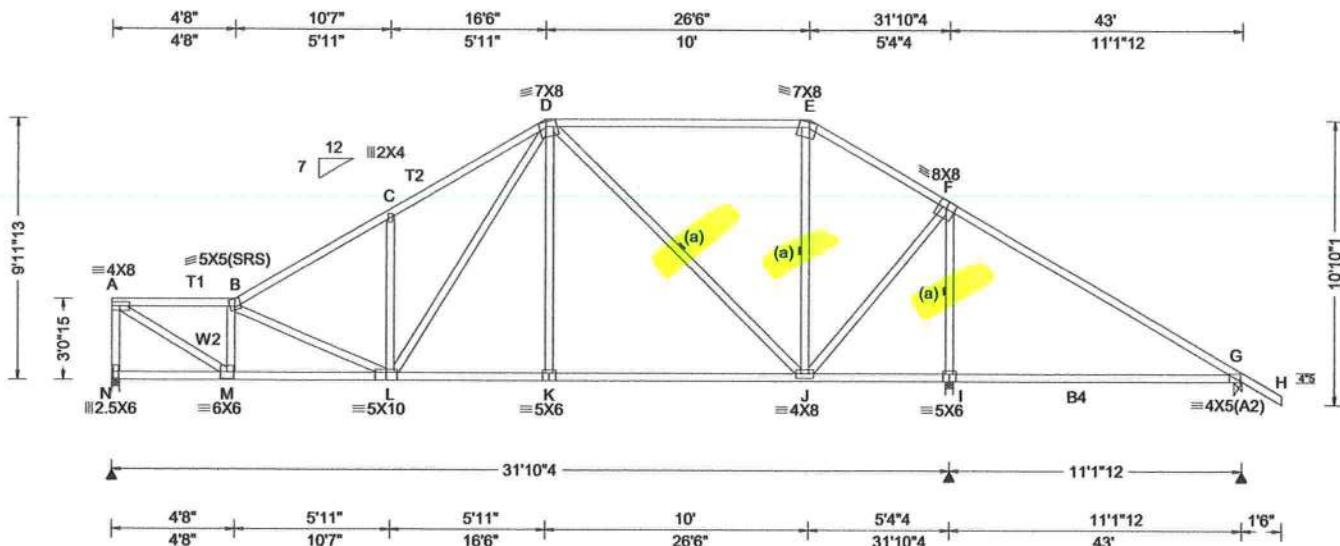
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.084 C 999 240 VERT(CL): 0.173 C 999 180 HORZ(LL): 0.028 C - - HORZ(TL): 0.058 C - - Creep Factor: 2.0 Max TC CSI: 0.583 Max BC CSI: 0.900 Max Web CSI: 0.658 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL S 1259 /- /- /727 /221 /246 M 2060 /- /- /1071 /347 /- J 459 /- /- /334 /85 /- Wind reactions based on MWFRS S Brg Wid = 3.5 Min Req = 1.5 M Brg Wid = 3.5 Min Req = 2.1 J Brg Wid = 3.5 Min Req = 1.5 Bearings S, M, & J 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	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W2 2x4 SP #2;	Chords Tens.Comp. Chords Tens. Comp. A - B 619 -1728 D - E 610 -1069 B - C 694 -1941 E - F 521 -776 C - D 878 -1956 H - I 435 -25

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. R - Q 1932 -595 P - O 1059 -214 Q - P 1120 -224 O - N 755 -127

Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 3X4 except as noted.	Chords Tens.Comp. Chords Tens. Comp. A - S 458 -1225 O - F 620 -152 A - R 2084 -746 F - N 434 -1037 R - B 473 -1146 N - H 1248 -388 C - Q 305 -410 H - M 571 -1613 Q - D 843 -320 M - I 238 -515 E - O 201 -632

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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.085 C 999 240 VERT(CL): 0.172 C 999 180 HORZ(LL): 0.027 A - - HORZ(TL): 0.056 A - - Creep Factor: 2.0 Max TC CSI: 0.752 Max BC CSI: 0.824 Max Web CSI: 0.830 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N 1324 /- /- /722 /249 /276 I 1769 /- /- /974 /243 /- G 672 /- /- /491 /146 /- Wind reactions based on MWFRS N Brg Wid = 3.5 Min Req = 1.6 I Brg Wid = 3.5 Min Req = 1.7 G Brg Wid = 3.5 Min Req = 1.5 Bearings N, I, & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP M-31; T1,T2 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3; W2 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
M - L	1954 - 563	K - J	1144 - 188
L - K	1141 - 189		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	516 - 1287	L - D	754 - 336
A - M	2175 - 789	D - J	209 - 716
M - B	491 - 1063	J - F	1035 - 171
B - L	221 - 462	F - I	577 - 1527



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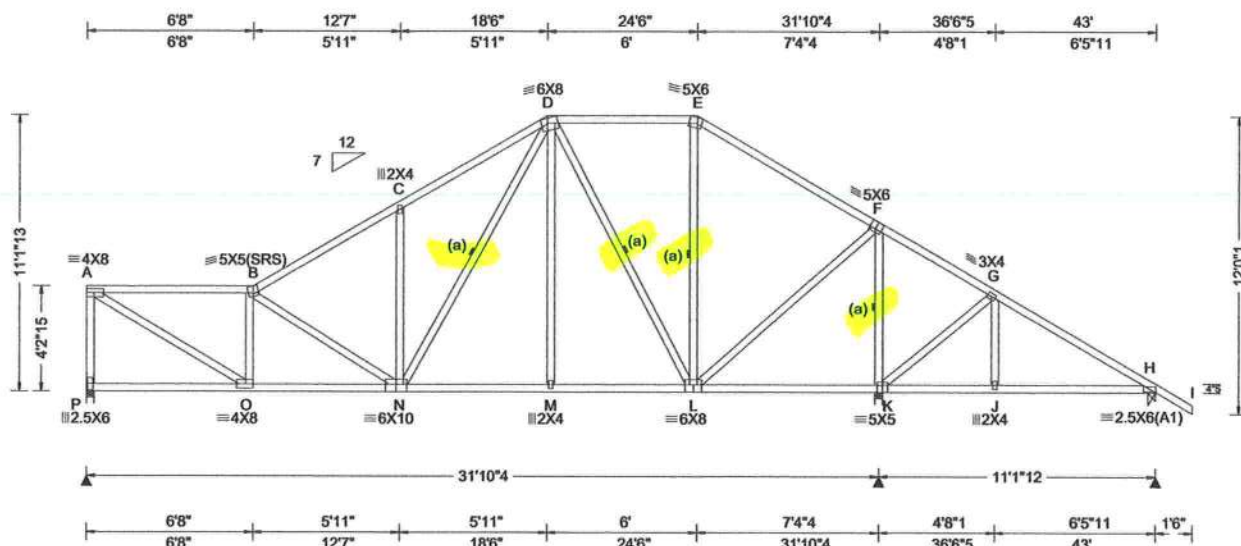
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335801 FROM:	MONO Qty: 1	Ply: 1 Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: B04	Cust: R 215 JRef: 1XeV2150013 T50 DrwNo: 111.22.0849.37790 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.083 C 999 240 VERT(CL): 0.172 C 999 180 HORZ(LL): 0.026 A - - HORZ(TL): 0.054 A - - Creep Factor: 2.0 Max TC CSI: 0.786 Max BC CSI: 0.559 Max Web CSI: 0.761 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1255 /- /- /675 /228 /306 K 2100 /- /- /1141 /339 /- H 422 /- /- /301 /78 /- Wind reactions based on MWFRS P Brg Wid = 3.5 Min Req = 1.5 K Brg Wid = 3.5 Min Req = 2.5 H Brg Wid = 3.5 Min Req = 1.5 Bearings P, K, & 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.

Lumber

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1715 -407	M - L	849 -61
N - M	847 -62		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - P	502 -1198	N - D	895 -402
A - O	1923 -680	D - L	183 -595
O - B	432 -882	L - F	1161 -251
B - N	248 -524	F - K	580 -1693
C - N	278 -375	K - G	203 -459



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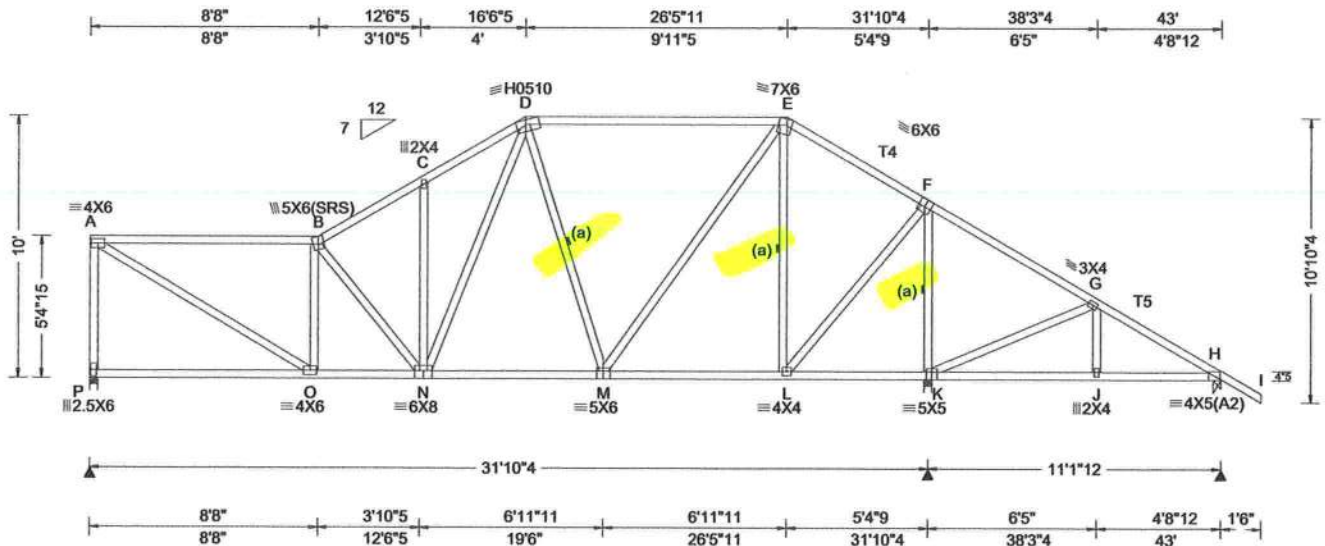
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.072 C 999 240 VERT(CL): 0.150 C 999 180 HORZ(LL): 0.020 A - - HORZ(TL): 0.041 A - - Creep Factor: 2.0 Max TC CSI: 0.667 Max BC CSI: 0.804 Max Web CSI: 0.720 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P 1269 /- /- /665 /122 /273 K 2077 /- /- /1172 /83 /- H 405 /- /- /286 /75 /- Wind reactions based on MWFRS P Brg Wid = 3.5 Min Req = 1.5 K Brg Wid = 3.5 Min Req = 2.5 H Brg Wid = 3.5 Min Req = 1.5 Bearings P, K, & 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.

Lumber

Top chord: 2x4 SP M-31; T4,T5 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1629 -96	M - L	501 -18
N - M	1028 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - P	374 -1198	M - E	710 -62
A - O	1856 -370	E - L	0 -816
O - B	275 -811	L - F	1200 0
B - N	278 -600	F - K	230 -1738
N - D	626 -346	K - G	227 -517
D - M	130 -445		



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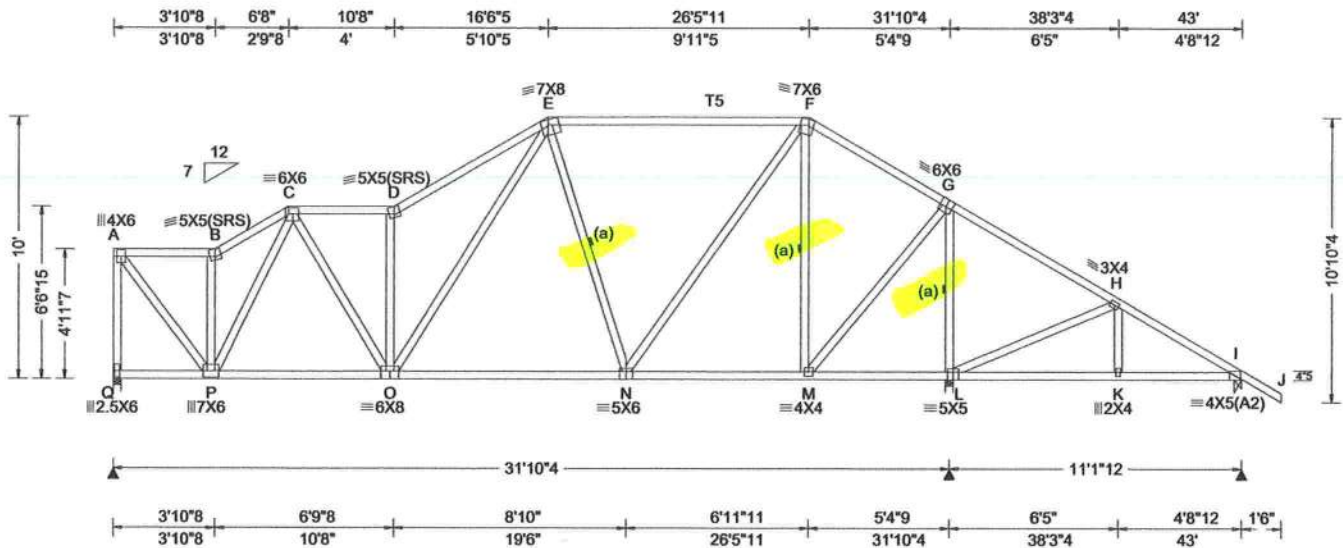
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)										
TCLL:	20.00	Wind Std: ASCE 7-16		Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#	Gravity			Non-Gravity				
TCDL:	10.00	Speed: 130 mph		Pf: NA		Ce: NA	VERT(LL):	0.076	D	999	240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL):	0.157	D	999	180	Q	1278	/-	/-	/678	/235	/273
BCDL:	10.00	Risk Category: II		Snow Duration: NA			HORZ(LL):	0.028	C	-	-	L	2042	/-	/-	/1143	/333	/-
Des Ld:	40.00	EXP: C Kzt: NA					HORZ(TL):	0.057	C	-	-	I	418	/-	/-	/301	/73	/-
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 7th Ed. 2020 Res.			Max TC CSI:	0.758	Q Brg Wid = 3.5 Min Req = 1.5									
Load Duration:	1.25	BCDL: 5.0 psf		TPI Std: 2014			Max BC CSI:	0.663	L Brg Wid = 3.5 Min Req = 2.4									
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2		Rep Fac: Yes			Max Web CSI:	0.849	I Brg Wid = 3.5 Min Req = 1.5									
		C&C Dist a: 4.30 ft		FT/RT:20(0)/10(0)			Bearings Q, L, & 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.											
		Loc. from endwall: Any		Plate Type(s):														
		GCpi: 0.18		WAVE														
		Wind Duration: 1.60																
							VIEW Ver: 21.01.01A.0521.21											

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	1066 - 234	N - M	525 - 21
O - N	1039 - 197		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	530 - 1251	E - N	262 - 418
A - P	1463 - 570	N - F	702 - 206
P - B	382 - 765	F - M	319 - 800
C - O	698 - 242	M - G	1170 - 333
O - D	561 - 1102	G - L	633 - 1702
O - E	792 - 318	L - H	245 - 516



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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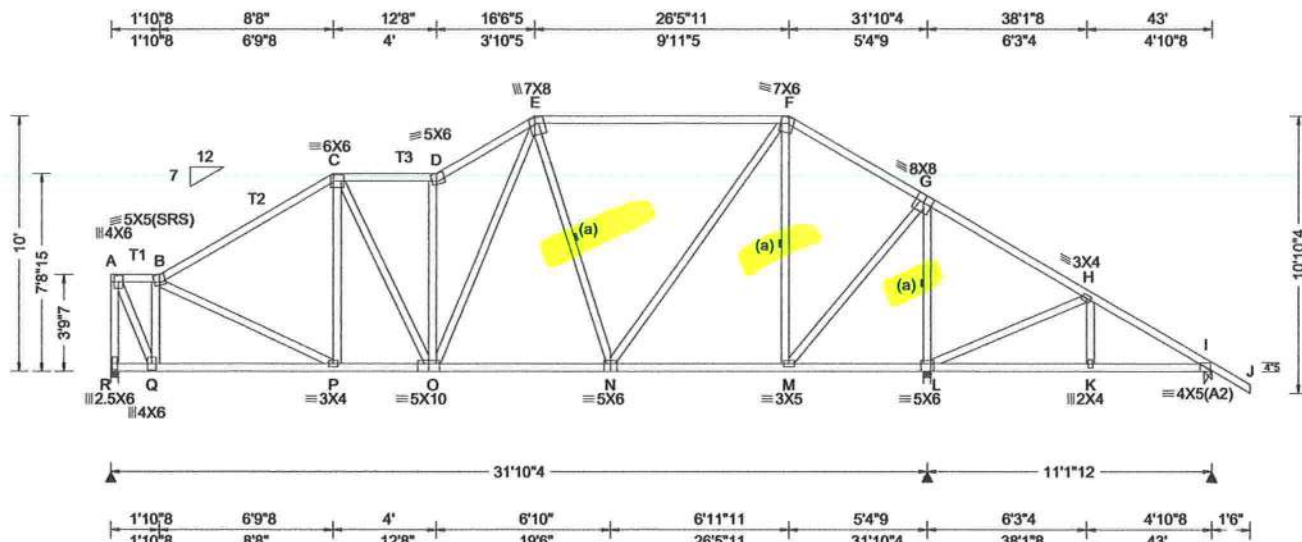
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335804 FROM:	MONO Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: B07	Cust: R 215 JRef: 1XeV2150013 T36 DrwNo: 111.22.0851.20993 AK / FV 04/21/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.065 D 999 240 VERT(CL): 0.135 D 999 180 HORZ(LL): 0.022 C - - HORZ(TL): 0.045 C - - Creep Factor: 2.0 Max TC CSI: 0.533 Max BC CSI: 0.517 Max Web CSI: 0.909 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL R 1290 - / - / 718 / 230 / 275 L 1993 - / - / 1117 / 325 / - I 437 - / - / 320 / 83 / - Non-Gravity Loc R+ / R- / Rh / Rw / U / RL R 1290 - / - / 718 / 230 / 275 L 1993 - / - / 1117 / 325 / - I 437 - / - / 320 / 83 / - Wind reactions based on MWFRS R Brg Wid = 3.5 Min Req = 1.5 L Brg Wid = 3.5 Min Req = 2.4 I Brg Wid = 3.5 Min Req = 1.5 Bearings R, L, & 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 M-31; T1,T2,T3 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Chords	Tens.Comp.	Chords	Tens. Comp.
A - B	222 - 609	E - F	567 - 945
B - C	569 - 1399	F - G	438 - 706
C - D	635 - 1293	G - H	385 - 8
D - E	769 - 1522		

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	711 - 185	O - N	1062 - 222
P - O	1117 - 240	N - M	562 - 24

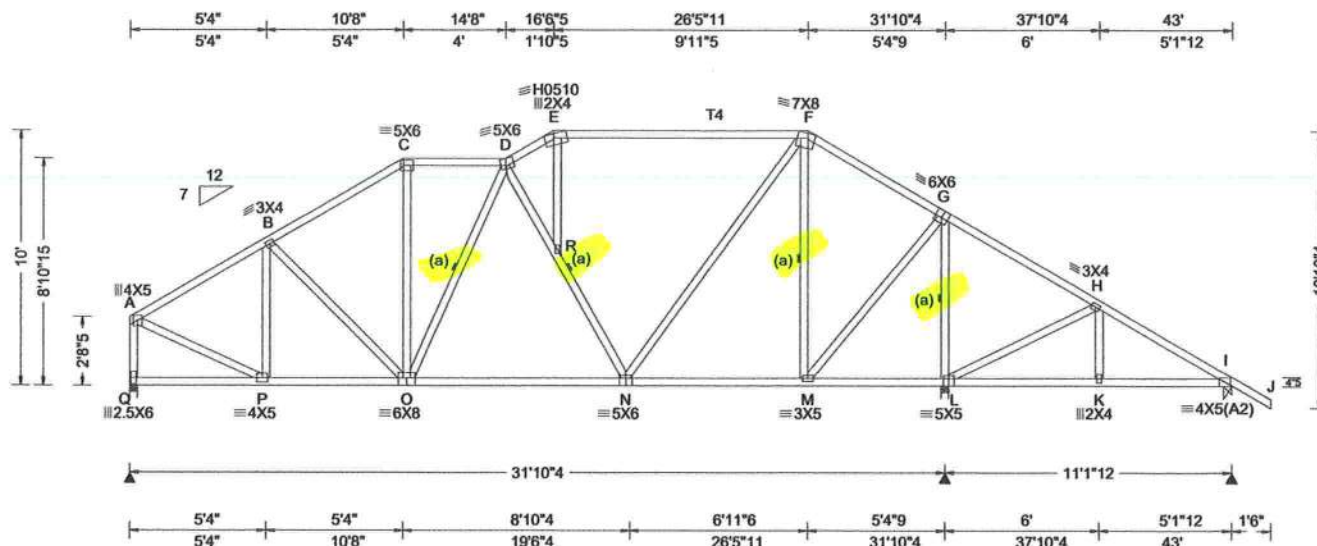
Webs	Tens.Comp.	Webs	Tens. Comp.
A - R	463 - 1308	E - N	256 - 417
A - Q	1470 - 535	N - F	678 - 211
Q - B	564 - 1224	M - G	1135 - 323
B - P	457 - 136	F - M	314 - 766
C - O	382 - 154	G - L	614 - 1655
O - D	435 - 844	L - H	244 - 515
O - E	647 - 266		



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

SEQN: 335805 FROM:	MONO Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: B08	Cust: R 215 JRef: 1XeV2150013 T44 DrwNo: 111.22.0852.02287 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/H VERT(LL): 0.052 E 999 240 VERT(CL): 0.104 N 999 180 HORZ(LL): 0.018 I - - HORZ(TL): 0.040 C - - Creep Factor: 2.0 Max TC CSI: 0.797 Max BC CSI: 0.632 Max Web CSI: 0.470 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1304 /- /- /753 /75 /278 L 1915 /- /- /1174 /199 /- I 468 /- /- /288 /20 /- Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1304 /- /- /753 /75 /278 L 1915 /- /- /1174 /199 /- I 468 /- /- /288 /20 /- Wind reactions based on MWFRS Q Brg Wid = 3.5 Min Req = 1.5 L Brg Wid = 3.5 Min Req = 2.3 I Brg Wid = 3.5 Min Req = 1.5 Bearings Q, L, & 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; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	1093 -120	N - M	599 -19
O - N	1174 0	M - L	440 -327

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	226 -1258	N - F	661 -135
A - P	1169 -127	M - G	1072 -47
P - B	108 -383	F - M	96 -717
D - R	304 -401	G - L	375 -1566
R - N	229 -415	L - H	226 -498



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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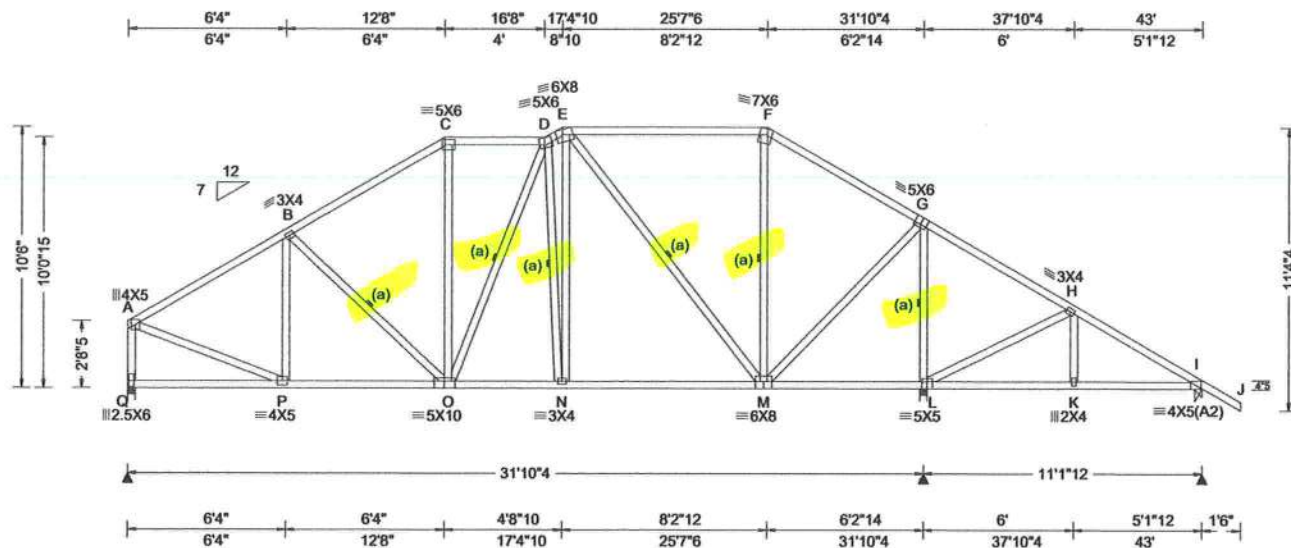
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.30 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.049 D 999 240 VERT(CL): 0.101 D 999 180 HORZ(LL): 0.017 B - - HORZ(TL): 0.035 B - - Creep Factor: 2.0 Max TC CSI: 0.667 Max BC CSI: 0.575 Max Web CSI: 0.764 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1290 /- /- /764 /124 /291 L 1990 /- /- /1133 /124 /- I 443 /- /- /321 /84 /- Wind reactions based on MWFRS Q Brg Wid = 3.5 Min Req = 1.5 L Brg Wid = 3.5 Min Req = 2.3 I Brg Wid = 3.5 Min Req = 1.5 Bearings Q, L, & 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;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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.

Left end vertical not exposed to wind pressure.

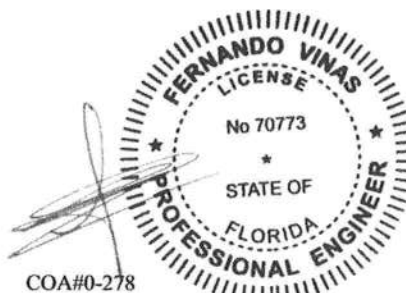
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	1126 -133	N - M	1003 0
O - N	1022 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	292 -1238	E - M	117 -655
A - P	1171 -181	M - G	1099 0
D - N	446 -261	G - L	272 -1641
E - N	508 -379	L - H	213 -492



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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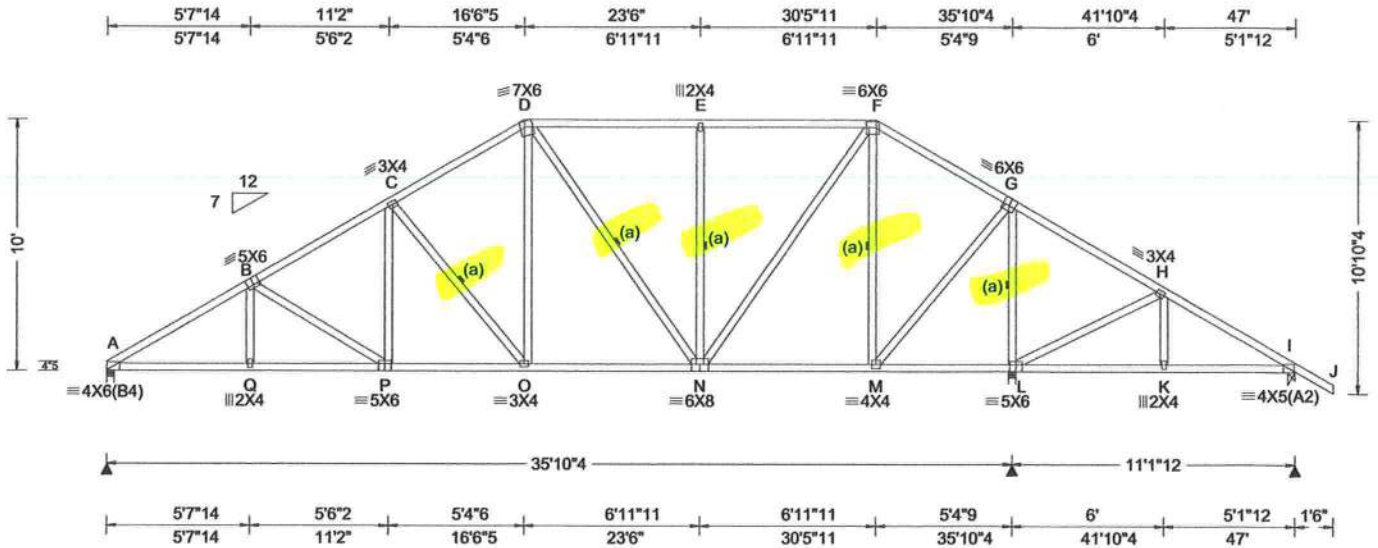
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335807 FROM:	MONO Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: B10	Cust: R 215 JRef: 1XeV2150013 T39 DrwNo: 111.22.0852.20410 AK / FV 04/21/2022
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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 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity	Non-Gravity	Loc	R+ / R- / Rh / Rw / U / RL
TCCL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(LL): 0.093 P 999 240	A 1429	1429	1429	1429
BCCL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.192 P 999 180	L 2302	2302	2302	2302
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.033 M - -	I 382	382	382	382
Des Ld: 40.00	EXP: C Kzt: NA				HORZ(TL): 0.070 M - -				
NCBCLL: 10.00	Mean Height: 15.19 ft	Building Code:			Creep Factor: 2.0				
Soffit: 2.00	TCCL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.567				
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.535				
Spacing: 24.0"	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes			Max Web CSI: 0.540				
	C&C Dist a: 4.70 ft	FT/RT: 20(0)/10(0)			VIEW Ver: 21.01.01A.0521.21				
	Loc. from endwall: Any	Plate Type(s):							
	GCPI: 0.18	WAVE							
	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.

Purlins

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

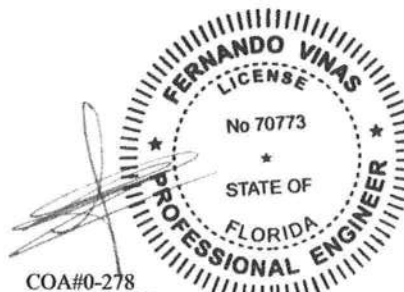
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - Q	2000	-122	O - N	1267	0
Q - P	1998	-123	N - M	513	0
P - O	1633	-39	M - L	233	-381

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - P	220	-421	E - N	0	-473
P - C	380	-64	F - M	0	-938
C - O	300	-585	M - G	1362	0
D - O	594	-171	G - L	123	-1955
N - F	1042	0	L - H	220	-498

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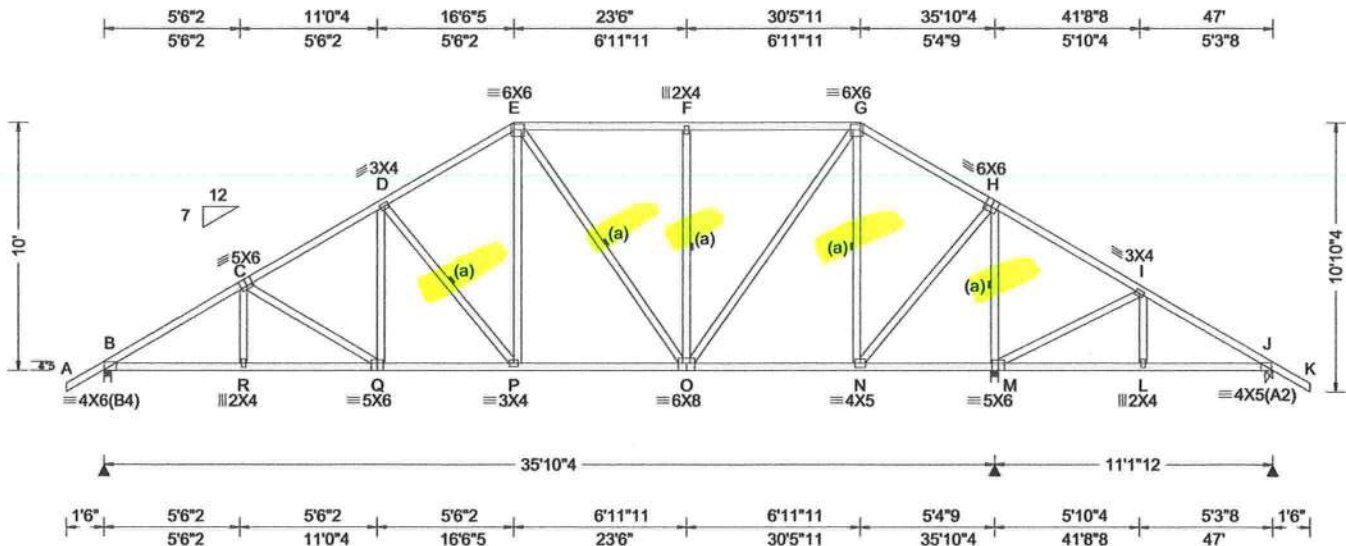
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.70 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.120 Q 999 240 VERT(CL): 0.224 Q 999 180 HORZ(LL): 0.043 N - - HORZ(TL): 0.081 N - - Creep Factor: 2.0 Max TC CSI: 0.570 Max BC CSI: 0.736 Max Web CSI: 0.625 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1691 /- /- /969 /101 /315 M 2666 /- /- /1255 /20 /- J 345 /- /- /280 /95 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 2.0 M Brg Wid = 3.5 Min Req = 3.1 J Brg Wid = 3.5 Min Req = 1.5 Bearings B, M, & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Purlins

In lieu of 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

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



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04/21/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2225 -101	P - O	1501 0
R - Q	2224 -102	O - N	628 0
Q - P	1890 -37	N - M	235 -432

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	206 -382	O - G	1207 0
Q - D	376 -58	G - N	0 -1006
D - P	297 -622	N - H	1627 0
E - P	751 -168	H - M	123 -2265
F - O	0 -472	M - I	220 -497

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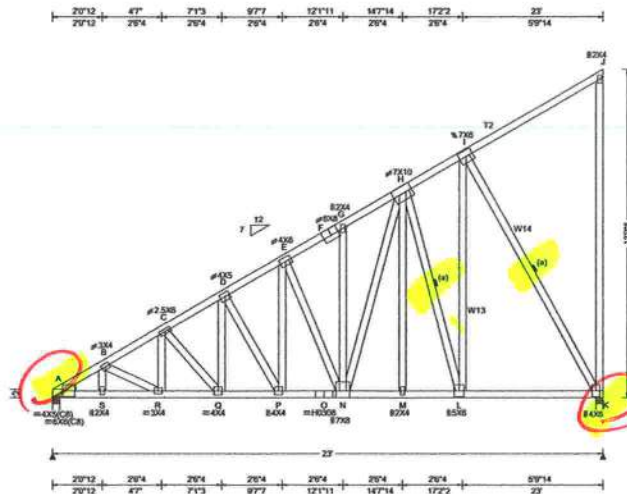
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.125 P 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.251 P 999 180	A 6829 /- /- /- /1335 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.049 J - -	K 4902 /- /- /- /1262 /-
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.098 J - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 16.07 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	A Brg Wid = 3.5 Min Req = 2.8
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.326	K Brg Wid = 3.5 Min Req = 2.0
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: No	Max BC CSI: 0.673	Bearings A & K are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.766	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 21.01.01A.0521.21	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	WAVE, HS		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18			A - B 1006 -5024 E - F 600 -2696
	Wind Duration: 1.60			B - C 948 -4625 F - G 594 -2681
				C - D 841 -4002 G - H 600 -2693
				D - E 725 -3357 H - I 361 -1487

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2; W14 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

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: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 2.94
TC: From 32 plf at 2.94 to 32 plf at 23.00
BC: From 10 plf at 0.00 to 10 plf at 23.00
BC: 940 lb Conc. Load at 0.06, 2.06
BC: 936 lb Conc. Load at 2.94, 4.94, 6.94, 8.94
10.94, 12.94, 14.94
BC: 934 lb Conc. Load at 16.94
BC: 662 lb Conc. Load at 18.94
BC: 654 lb Conc. Load at 20.94

Wind

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - S	4230 -845	O - N	2840 -613
S - R	4203 -842	N - M	1762 -402
R - Q	3945 -809	M - L	1765 -403
Q - P	3381 -711	L - K	1232 -299
P - O	2840 -613		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
S - B	470 -60	E - N	251 -1332
R - C	816 -130	N - H	2011 -407
C - Q	136 -785	H - L	323 -1715
Q - D	1197 -207	L - I	2801 -667
D - P	182 -1011	I - K	606 -2492
P - E	1497 -274		

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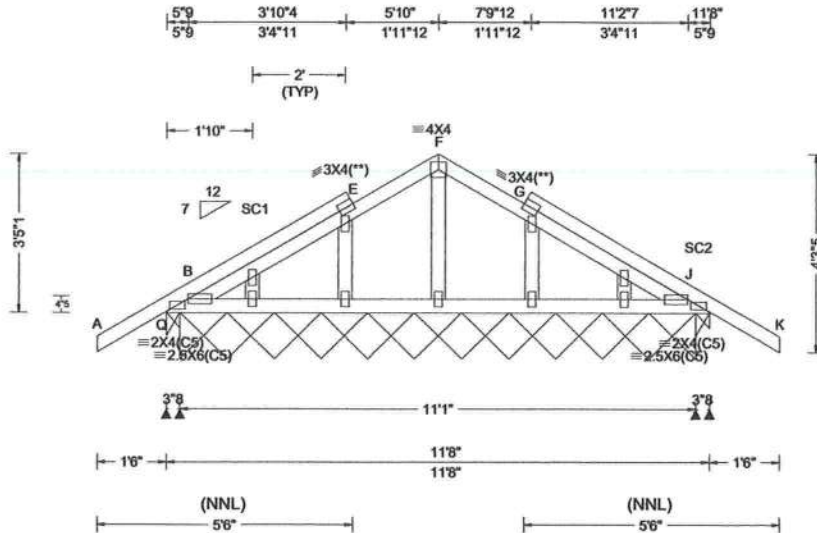
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-16	Speed: 130 mph	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity		Non-Gravity				
TCDL: 10.00	Enclosure: Closed	Risk Category: II	Pf: NA Ce: NA	VERT(LL): 0.003 E 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	EXP: C Kzt: NA	Mean Height: 15.00 ft	Lu: NA Cs: NA	VERT(CL): 0.006 E 999 180	Q 572	/-	/-	/-	/368	/306	/203
BCDL: 10.00	BCDL: 5.0 psf	TCDL: 5.0 psf	Snow Duration: NA	HORZ(LL): 0.002 G - -	B* 97	/-	/-	/-	/47	/-	/-
Des Ld: 40.00	BCDL: 5.0 psf	MWFRS Parallel Dist: 0 to h/2	Building Code:	HORZ(TL): 0.003 E - -	J 572	/-	/-	/-	/399	/306	/-
NCBCLL: 10.00	Spacing: 24.0 "	C&C Dist a: 3.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	Load Duration: 1.25	Loc. from endwall: Any	TPI Std: 2014	Max TC CSI: 0.656	Q	Brg Wid = 3.5	Min Req = 1.5				
		GCpi: 0.18	Rep Fac: Varies by Ld Case	Max BC CSI: 0.037	B	Brg Wid = 133	Min Req = -				
		Wind Duration: 1.60	FT/RT:20(0)/10(0)	Max Web CSI: 0.064	J	Brg Wid = 3.5	Min Req = 1.5				
			Plate Type(s):		Bearings Q, B, & J are a rigid surface.						
			WAVE	VIEW Ver: 21.01.01A.0521.21	Members not listed have forces less than 375#						

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 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.

Additional Notes

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

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



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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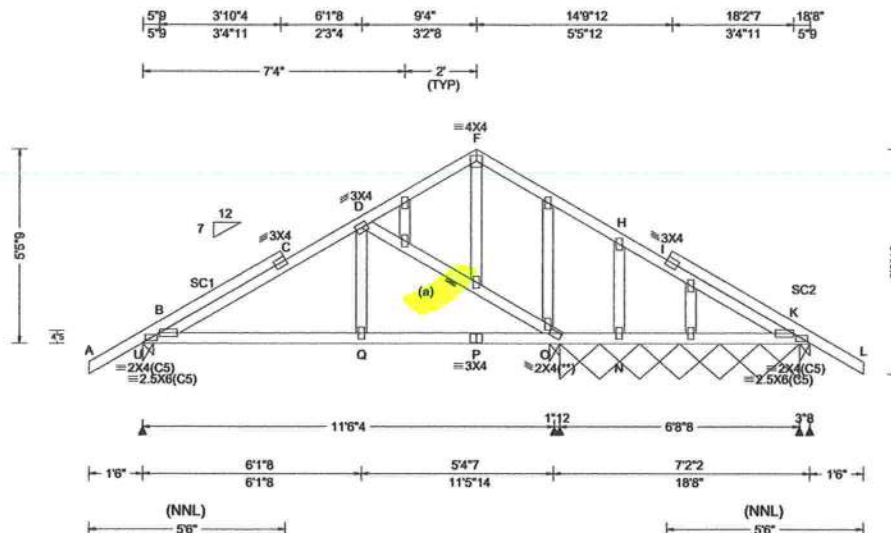
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335811 FROM:	GABL Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: C02	Cust: R 215 JRef: 1XeV2150013 T7 DrwNo: 111.22.0859.21000 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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: 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 7th Ed. 2020 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): 0.101 C 999 240 VERT(CL): 0.206 C 653 180 HORZ(LL): 0.050 C - - HORZ(TL): 0.101 C - - Creep Factor: 2.0 Max TC CSI: 0.997 Max BC CSI: 0.533 Max Web CSI: 0.774 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL U 1280 /- /- /671 /51 /203 O 855 /- /- /405 /- /- O* 94 /- /- /43 /5 /- K 746 /- /- /432 /76 /- Wind reactions based on MWFRS U Brg Wid = 3.5 Min Req = 1.5 O Brg Wid = 3.5 Min Req = 1.5 O Brg Wid = 80.5 Min Req = - K Brg Wid = 3.5 Min Req = 1.5 Bearings U, O, O, & K are a rigid surface. Members not listed have forces less than 375#

Lumber	Additional Notes
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;	See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements. Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.

Bracing	Maximum Bot Chord Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. B - C 1135 0 O - N 446 -62 Q - P 1137 0 N - K 444 -60 P - O 1137 0

Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 2X4 except as noted. (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.	Webs Tens.Comp. D - O 91 -1095

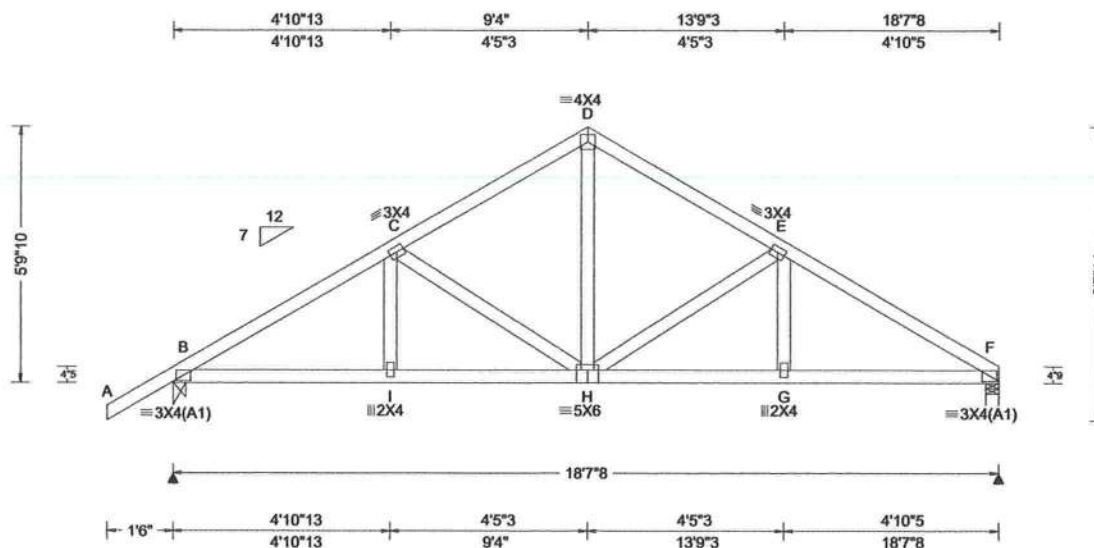
Loading	Maximum Gable Forces Per Ply (lbs)
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.	Gables Tens.Comp. N - H 64 -410

Wind	Professional Engineer
Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types. Laterally brace chord above/below filler at 24" OC (or as designed) including a lateral brace on chord directly above/ below both ends of filler (if no rigid diaphragm exists at that point)	FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER COA#0-278 Florida Certificate of Product Approval #FL1999 04/21/2022

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SEQN: 335812 FROM:	COMN Ply: 1 Qty: 2	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: C03	Cust: R 215 JRef: 1XeV2150013 T47 DrwNo: 111.22.0852.43490 AK / FV 04/21/2022
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)							
		Wind Std: ASCE 7-16		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): 0.029 H 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCDL: 10.00		Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL): 0.059 H 999 180	B	881	/-	/-	/532	/153	/167	
BCLL: 0.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.013 F - -	F	769	/-	/-	/445	/125	/-	
BCDL: 10.00		EXP: C Kzt: NA					HORZ(TL): 0.027 F - -	Wind reactions based on MWFRS							
Des Ld: 40.00		Mean Height: 15.00 ft		Building Code:			Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5							
NCBCLL: 10.00		TCDL: 5.0 psf		FBC 7th Ed. 2020 Res.			Max TC CSI: 0.231	F Brg Wid = 3.5 Min Req = 1.5							
Soffit: 2.00		BCDL: 5.0 psf		TPI Std: 2014			Max BC CSI: 0.277	Bearings B & F are a rigid surface.							
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2		Rep Fac: Yes			Max Web CSI: 0.194	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				B - C	430	- 1158	D - E	399	- 824		
		Wind Duration: 1.60					VIEW Ver: 21.01.01A.0521.21								

Lumber

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	935 -301	H - G	948 -303
I - H	933 -302	G - F	950 -302

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - H	489 -203



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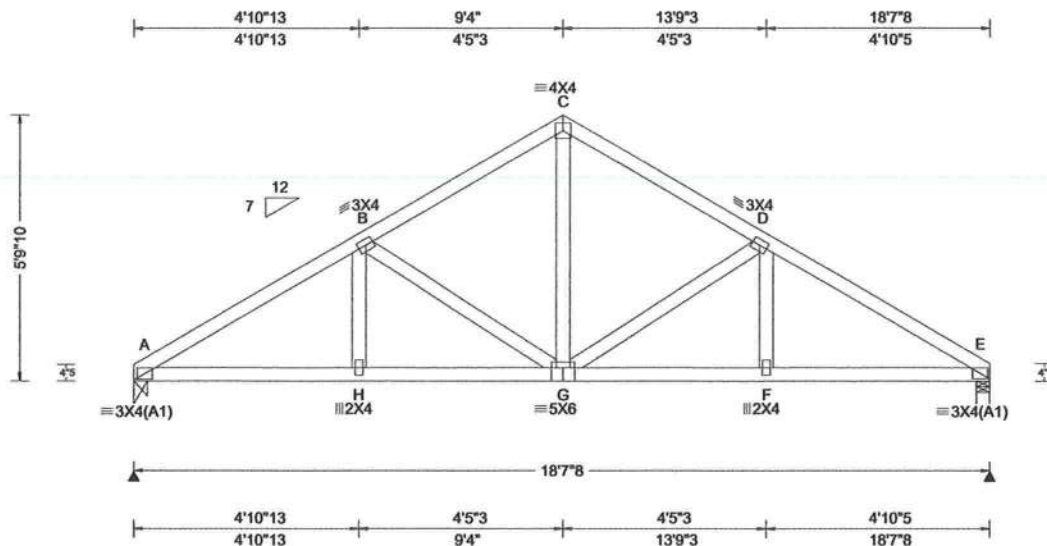
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335813 FROM:	COMN Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: C04	Cust: R 215 JRef: 1XeV2150013 T48 DrwNo: 111.22.0852.45407 AK / FV 04/21/2022
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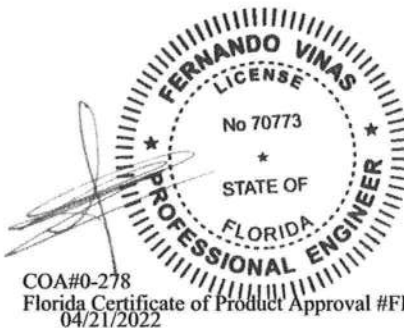
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.028 G 999 240 VERT(CL): 0.059 G 999 180 HORZ(LL): 0.013 E - - HORZ(TL): 0.028 E - - Creep Factor: 2.0 Max TC CSI: 0.216 Max BC CSI: 0.280 Max Web CSI: 0.200 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 774 /- /- /445 /126 /140 E 774 /- /- /445 /126 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 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 456 -1187 C - D 405 -833 B - C 405 -833 D - E 453 -1180 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - H 966 -323 G - F 956 -309 H - G 964 -324 F - E 958 -308 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. C - G 502 -212

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.



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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

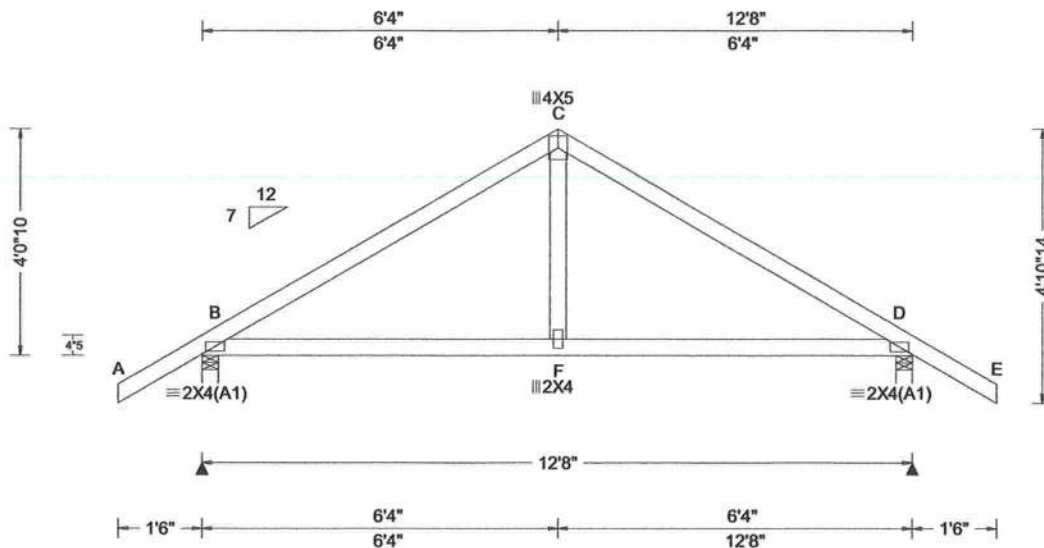
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335815 FROM:	COMN Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D02	Cust: R 215 JRef: 1XeV2150013 T1 DrwNo: 111.22.0853.29137 AK / FV 04/21/2022
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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 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity				
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL): 0.008 F 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.016 F 999 180	B	628	/-	/-	/392	/111	/139	
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.004 D - -	D	628	/-	/-	/392	/111	/-	
Des Ld:	40.00	EXP:	C Kzt: NA				HORZ(TL): 0.008 D - -	Wind reactions based on MWFRS							
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:			Creep Factor: 2.0	B Brg Wid = 3.5 Min Req = 1.5							
Soffit:	2.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.375	D Brg Wid = 3.5 Min Req = 1.5							
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std: 2014			Max BC CSI: 0.383	Bearings B & D are a rigid surface.							
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	Rep Fac: Yes			Max Web CSI: 0.106	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:	Any	Plate Type(s):				Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi:	0.18					B - C		321 -640		C - D		321 -640	
		Wind Duration:	1.60	WAVE			VIEW Ver: 21.01.01A.0521.21								

Lumber

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens. Comp.	Chords	Tens. Comp.
B - F	477 -77	F - D	477 -77



COA#0-278

Florida Certificate of Product Approval #FL1999
04/21/2022

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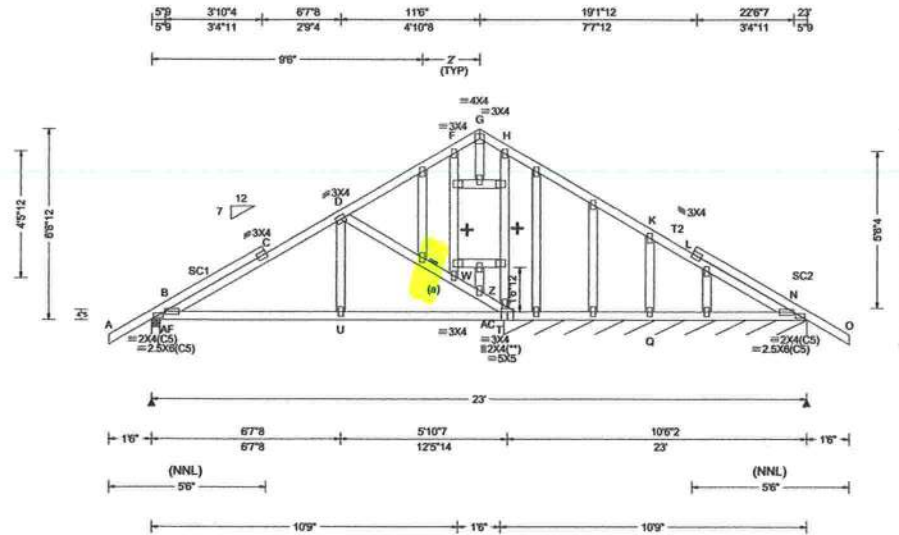
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335816 FROM:	GABL Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D03	Cust: R 215 JRef: 1XeV2150013 T3 DrwNo: 111.22.0854.45943 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.110 C 999 240 VERT(CL): 0.233 C 629 180 HORZ(LL): 0.054 C - - HORZ(TL): 0.114 C - - Creep Factor: 2.0 Max TC CSI: 0.659 Max BC CSI: 0.595 Max Web CSI: 0.660 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AF 1403 /- /- /693 /39 /203 N* 280 /- /- /124 /- /- Wind reactions based on MWFRS AF Brg Wid = 3.5 Min Req = 1.7 N Brg Wid = 127 Min Req = - Bearings AF & T 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 144 -1701 H - K 24 -467 C - D 0 -1449 K - L 23 -388 D - F 79 -621 L - N 12 -390 G - H 25 -424

Lumber
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 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 2-0-0 top chord outlookers and cladding load not to exceed 10.00 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.
+ Member to be laterally braced for horizontal wind load. Bracing system to be designed and furnished by others.

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.
+ Member to be laterally braced for horizontal wind load. Bracing system to be designed and furnished by others.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - U 1319 0 T - Q 491 -62
U - T 1320 0 Q - N 486 -59

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
D - W 0 -1172 Z - AC 0 -1209
W - Z 0 -1264 AC - T 0 -1325

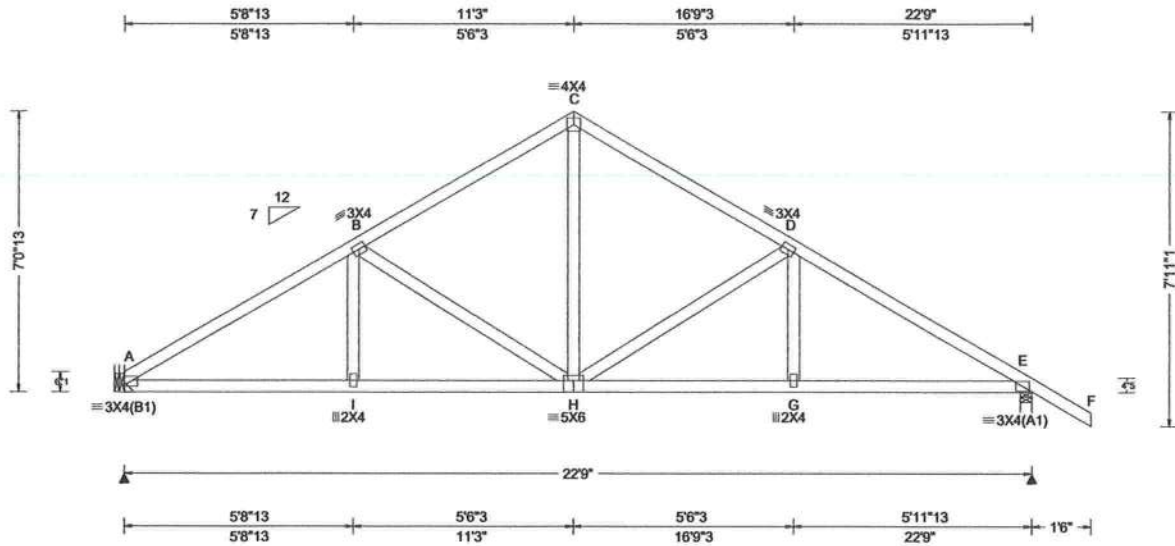
Maximum Gable Forces Per Ply (lbs)
Gables Tens.Comp.
Q - K 0 -399



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SEQN: 335817 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D04	Cust: R 215 JRef: 1XeV2150013 T14 DrwNo: 111.22.0854.47917 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 H 999 240 VERT(CL): 0.094 H 999 180 HORZ(LL): 0.021 E - - HORZ(TL): 0.044 E - - Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.435 Max Web CSI: 0.365 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 940 /- /- /541 /153 /197 E 1053 /- /- /632 /182 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E 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 453 -1429 C - D 409 -1016 B - C 414 -1015 D - E 449 -1452 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - I 1155 -244 H - G 1175 -254 I - H 1153 -245 G - E 1177 -253 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 238 -421 H - D 238 -448 C - H 597 -203

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.
Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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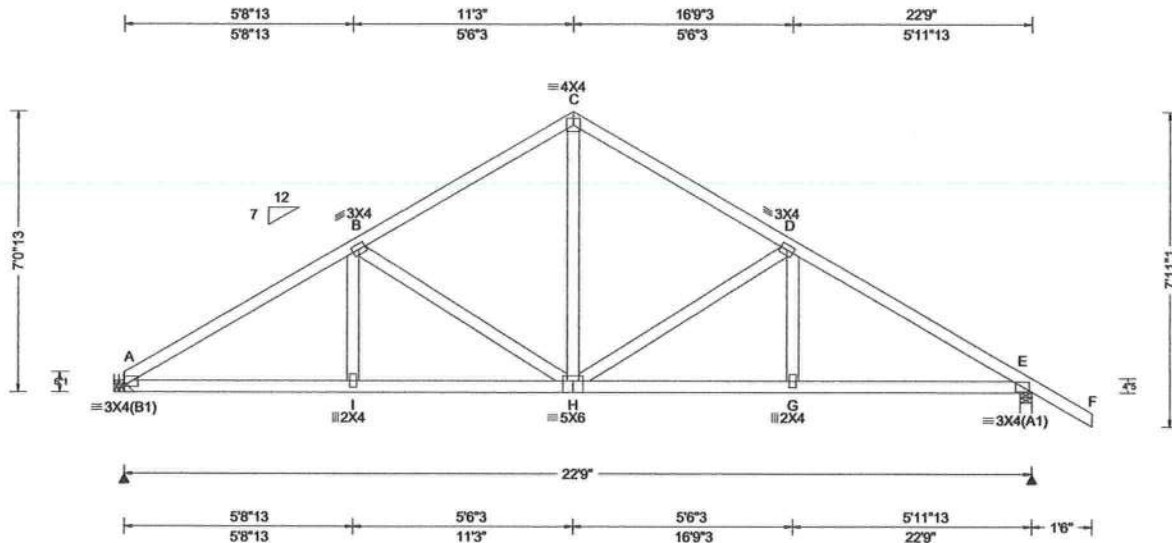
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335818 FROM:	COMN	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D05	Cust: R 215 JRef: 1XeV2150013 T79 DrwNo: 111.22.0854.53480 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 H 999 240 VERT(CL): 0.094 H 999 180 HORZ(LL): 0.021 E - - HORZ(TL): 0.044 E - - Creep Factor: 2.0 Max TC CSI: 0.359 Max BC CSI: 0.435 Max Web CSI: 0.365 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 940 /- /- /541 /153 /197 E 1053 /- /- /632 /182 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E 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 453 -1429 C - D 409 -1016 B - C 414 -1015 D - E 449 -1452

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

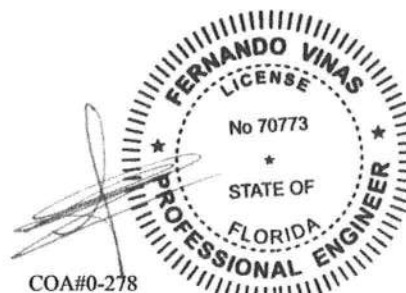
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - I	1155 -244	H - G	1175 -254
I - H	1153 -245	G - E	1177 -253

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - H	238 -421	H - D	238 -448
C - H	597 -203		



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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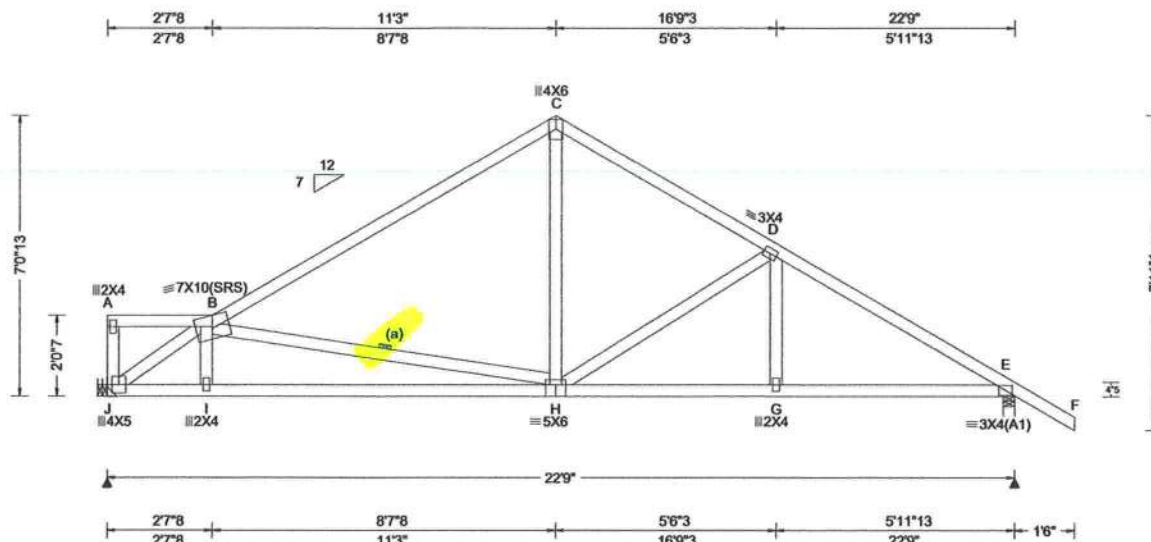
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335819 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D06	Cust: R 215 JRef: 1Xev2150013 T81 DrwNo: 111.22.0854.58290 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.044 H 999 240 VERT(CL): 0.091 H 999 180 HORZ(LL): 0.023 E - - HORZ(TL): 0.048 E - - Creep Factor: 2.0 Max TC CSI: 0.960 Max BC CSI: 0.727 Max Web CSI: 0.395 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL J 936 /- /- /501 /159 /189 E 1058 /- /- /636 /180 /- Wind reactions based on MWFRS J Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E 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 394 -1109 D - E 450 -1448 C - D 418 -1044

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	1461 -406	H - G	1169 -251
I - H	1449 -413	G - E	1171 -250

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	642 -1751	C - H	570 -109
B - H	356 -620	H - D	210 -392



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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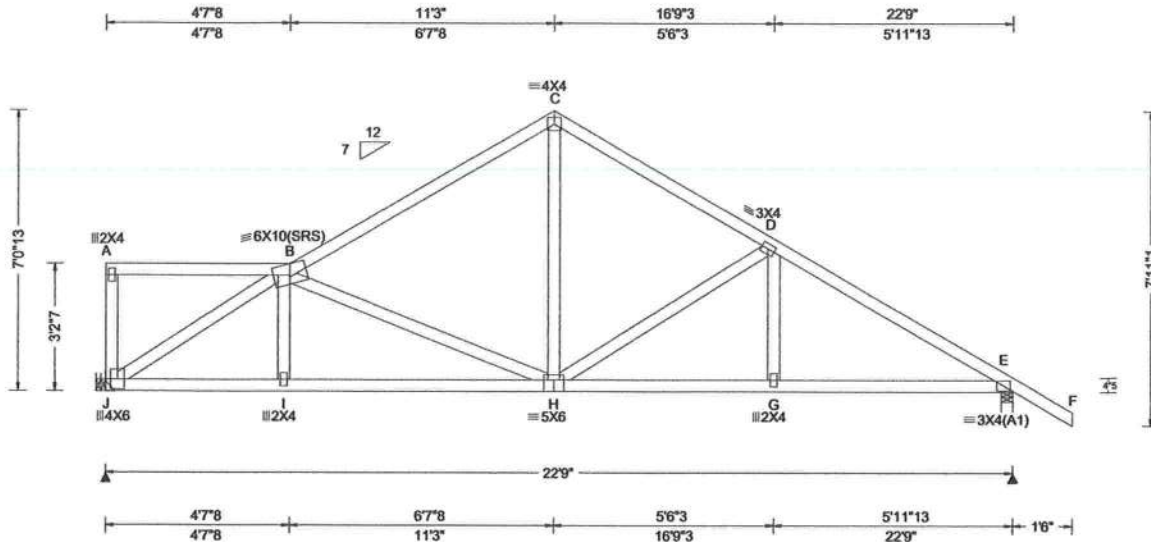
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335820 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D07	Cust: R 215 JRef: 1XeV2150013 T45 DrwNo: 111.22.0855.00517 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.045 H 999 240 VERT(CL): 0.091 H 999 180 HORZ(LL): 0.022 E - - HORZ(TL): 0.044 E - - Creep Factor: 2.0 Max TC CSI: 0.450 Max BC CSI: 0.482 Max Web CSI: 0.768 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 936 /- /- /485 /166 /189 E 1058 /- /- /641 /176 /- Wind reactions based on MWFRS J Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E 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 416 -1050 D - E 462 -1457 C - D 425 -1030

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	1264 -328	H - G	1178 -264
I - H	1258 -331	G - E	1180 -262

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	597 -1483	C - H	582 -178
B - H	293 -480	H - D	229 -431



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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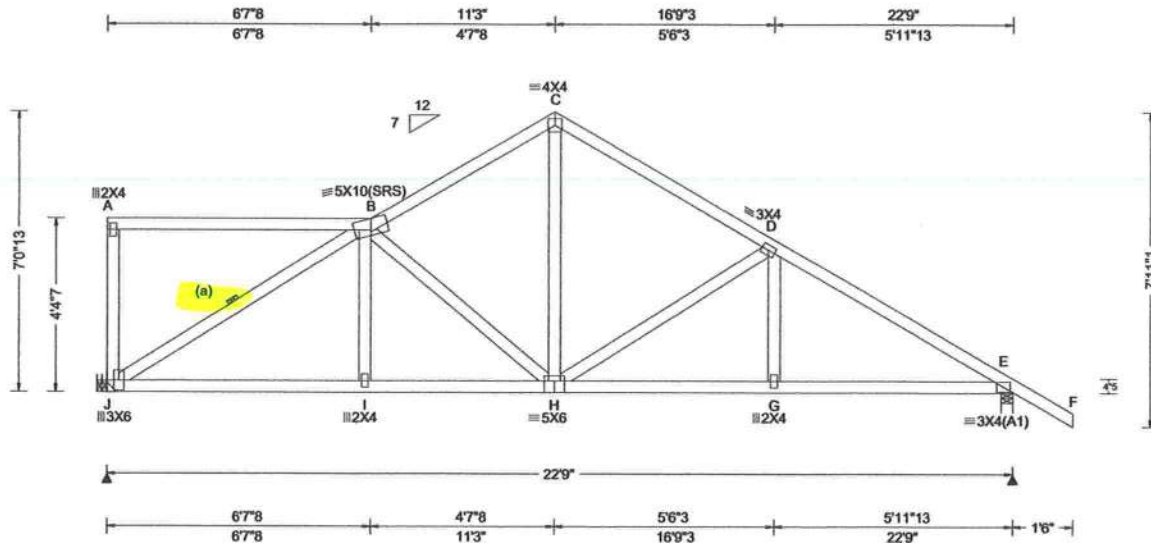
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335821 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D08	Cust: R 215 JRef: 1XeV2150013 T77 DrwNo: 111.22.0855.03753 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.044 H 999 240 VERT(CL): 0.090 H 999 180 HORZ(LL): 0.020 E - - HORZ(TL): 0.041 E - - Creep Factor: 2.0 Max TC CSI: 0.861 Max BC CSI: 0.552 Max Web CSI: 0.413 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 936 /- /- /497 /175 /189 E 1058 /- /- /648 /170 /- Wind reactions based on MWFRS J Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E 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 441 -990 D - E 477 -1462 C - D 440 -1021

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	1095 -236	H - G	1183 -278
I - H	1090 -239	G - E	1186 -276

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	556 -1284	C - H	595 -223
B - H	217 -379	H - D	234 -452



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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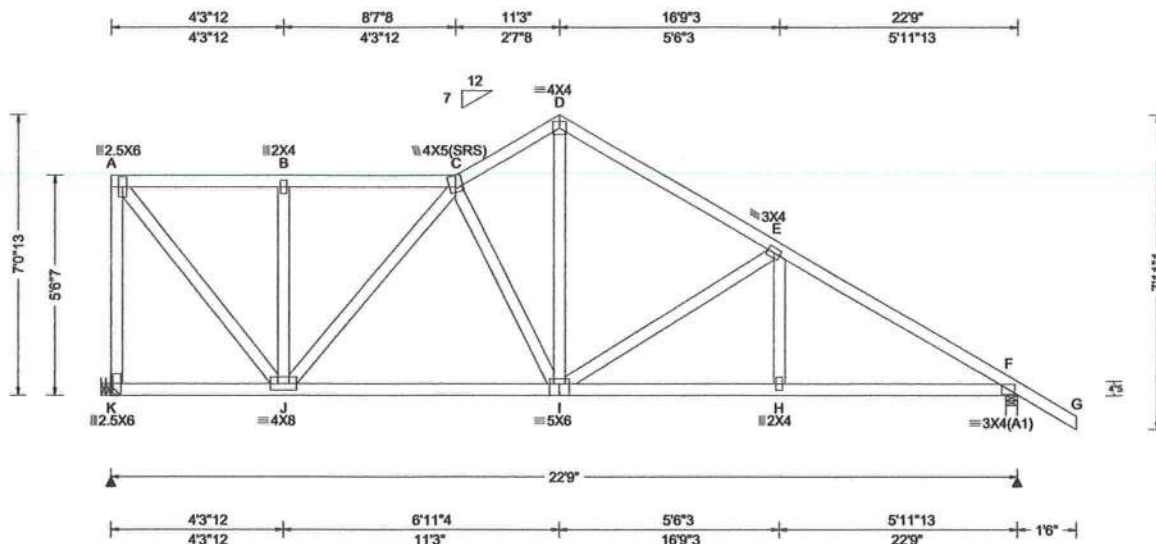
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335822 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D09	Cust: R 215 JRef: 1XeV2150013 T82 DrwNo: 111.22.0855.05780 AK / FV 04/21/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.040 I 999 240 VERT(CL): 0.083 I 999 180 HORZ(LL): 0.016 A - - HORZ(TL): 0.034 A - - Creep Factor: 2.0 Max TC CSI: 0.338 Max BC CSI: 0.454 Max Web CSI: 0.493 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 936 /- /- /508 /186 /208 F 1058 /- /- /658 /162 /- Wind reactions based on MWFRS K Brg Wid = - Min Req = - F Brg Wid = 3.5 Bearing F 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 364 -658 D - E 453 -1024 B - C 364 -659 E - F 501 -1461 C - D 482 -958

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	948 -207	H - F	1186 -297
I - H	1184 -298		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - K	556 -907	D - I	668 -302
A - J	1037 -573	I - E	245 -454
J - C	211 -455		



COA#0-278

Florida Certificate of Product Approval #FL1999
04/21/2022

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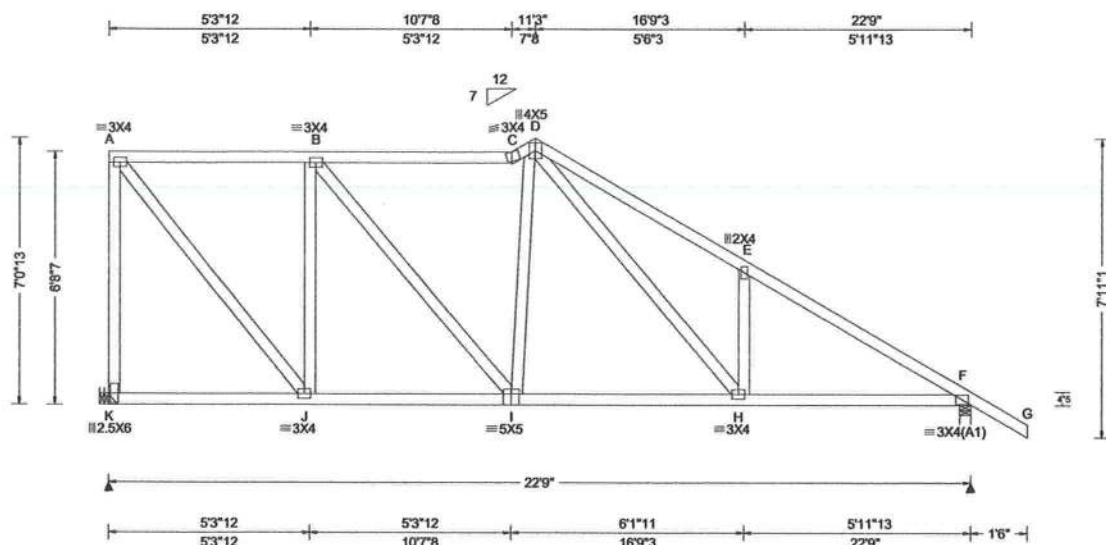
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335823 FROM:	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D10	Cust: R215 JRef: 1XeV2150013 T73 DrwNo: 111.22.0855.07977 AK / FV 04/21/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 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: 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.079 C 999 240 VERT(CL): 0.163 C 999 180 HORZ(LL): 0.021 A - - HORZ(TL): 0.044 A - - Creep Factor: 2.0 Max TC CSI: 0.682 Max BC CSI: 0.421 Max Web CSI: 0.762 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 936 - / - /516 /199 /250 F 1058 - / - /671 /153 - Wind reactions based on MWFRS K Brg Wid = - Min Req = - F Brg Wid = 3.5 Bearing F 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 378 -619 D - E 665 -1426 B - C 458 -810 E - F 511 -1459 C - D 350 -659

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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

J - I 649 -98 H - F 1183 -307
I - H 818 -124

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - K 607 -894 J - B 529 -652
A - J 987 -602 D - H 555 -266



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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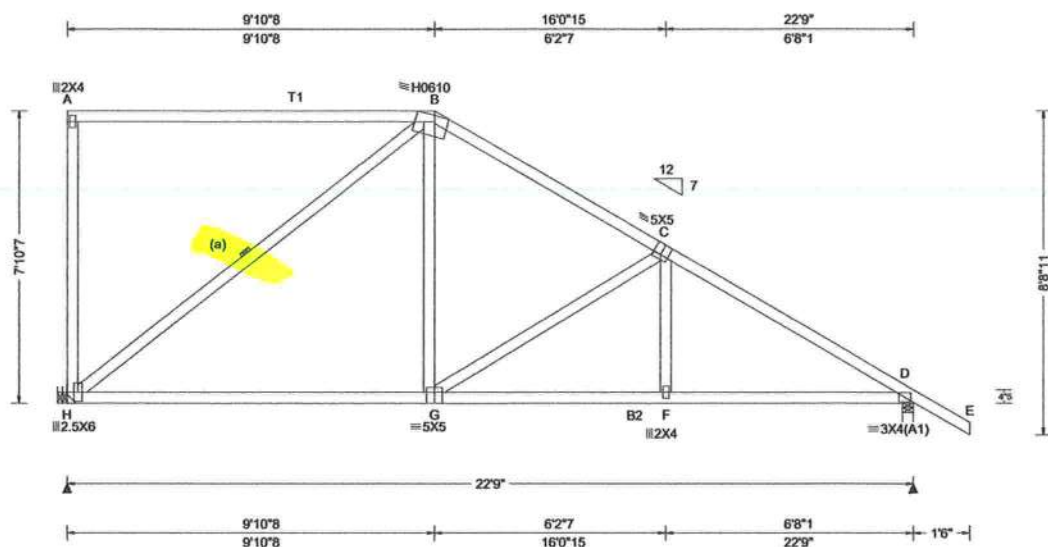
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335824 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D11	Cust: R 215 JRef: 1XeV2150013 T78 DrwNo: 111.22.0855.09843 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.035 F 999 240 VERT(CL): 0.073 F 999 180 HORZ(LL): 0.016 D - - HORZ(TL): 0.032 D - - Creep Factor: 2.0 Max TC CSI: 0.843 Max BC CSI: 0.797 Max Web CSI: 0.720 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 936 /- /- /532 /212 /290 D 1058 /- /- /681 /141 /- Wind reactions based on MWFRS H Brg Wid = - Min Req = - D Brg Wid = 3.5 Bearing D 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 413 -959 C - D 452 -1419

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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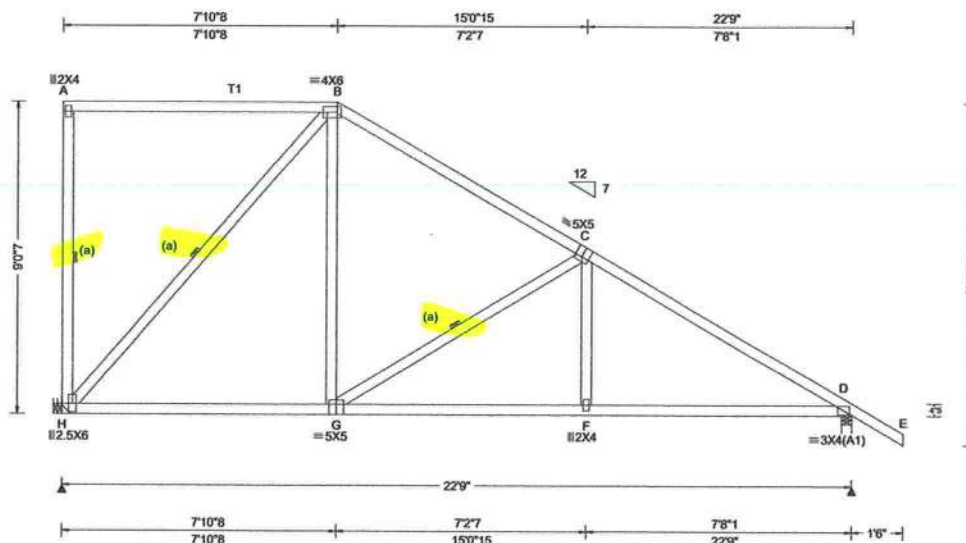
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335825 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D12	Cust: R 215 JRef: 1XeV2150013 T83 DrwNo: 111.22.0855.12320 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 F 999 240 VERT(CL): 0.076 F 999 180 HORZ(LL): 0.016 D - - HORZ(TL): 0.034 D - - Creep Factor: 2.0 Max TC CSI: 0.723 Max BC CSI: 0.676 Max Web CSI: 0.566 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 936 /- /- /556 /225 /331 D 1058 /- /- /688 /125 /- Wind reactions based on MWFRS H Brg Wid = - Min Req = - D Brg Wid = 3.5 Bearing D 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 277 -790 C - D 365 -1406

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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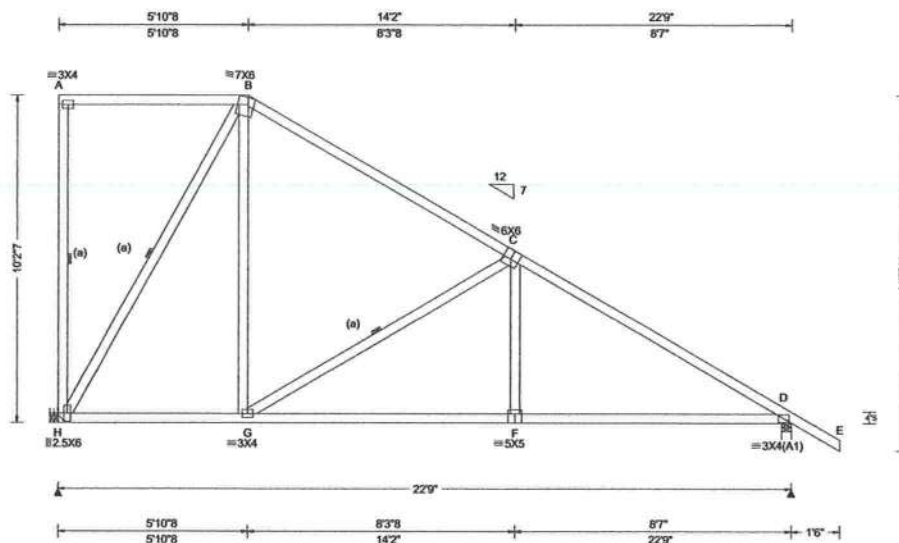
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335826 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D13	Cust: R 215 JRef: 1XeV2150013 T74 DrwNo: 111.22.0855.14417 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.035 F 999 240 VERT(CL): 0.072 F 999 180 HORZ(LL): 0.016 D - - HORZ(TL): 0.033 D - - Creep Factor: 2.0 Max TC CSI: 0.829 Max BC CSI: 0.711 Max Web CSI: 0.571 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 934 /- /- /584 /240 /372 D 1055 /- /- /691 /107 /- Wind reactions based on MWFRS H Brg Wid = - Min Req = - D Brg Wid = 3.5 Bearing D 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 179 -655 C - D 268 -1360

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

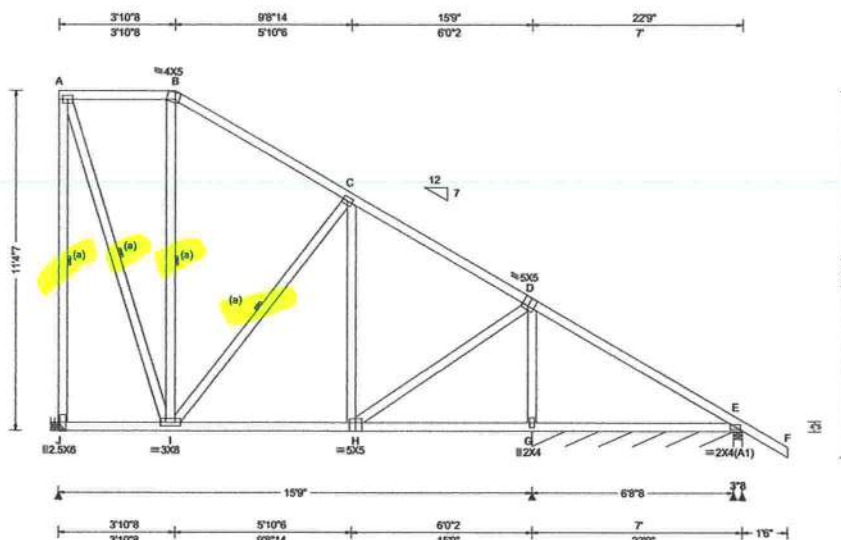


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335827 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D14	Cust: R 215 JRef: 1XeV2150013 T80 DrwNo: 111.22.0855.18553 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 B 999 240 VERT(CL): 0.027 B 999 180 HORZ(LL): 0.009 B - - HORZ(TL): 0.012 E - - Creep Factor: 2.0 Max TC CSI: 0.503 Max BC CSI: 0.365 Max Web CSI: 0.893 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 662 - / - /444 /248 /413 G* 134 - / - /84 /4 - E 430 - / - /297 /67 - Wind reactions based on MWFRS J Brg Wid = - Min Req = - G Brg Wid = 80.5 Min Req = - E Brg Wid = 3.5 Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

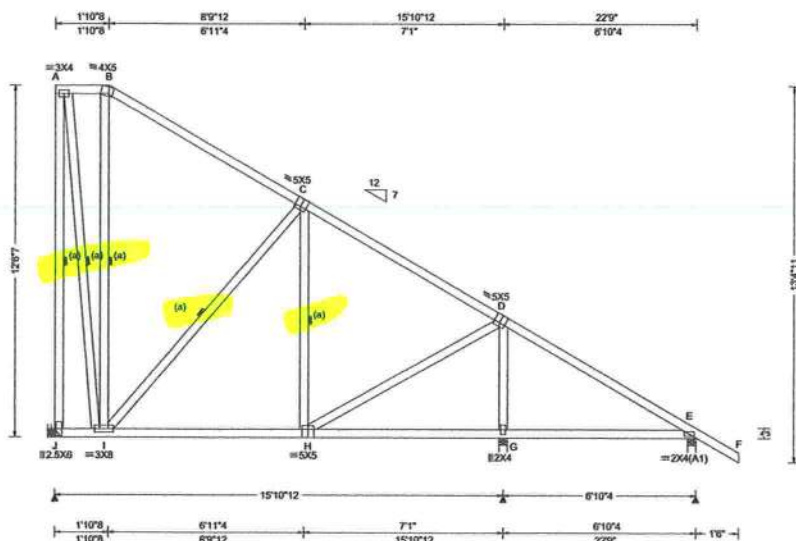


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335828 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D15	Cust: R 215 JRef: 1XeV2150013 T84 DrwNo: 111.22.0855.21663 AK / FV 04/21/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.01 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 B 999 240 VERT(CL): 0.033 B 999 180 HORZ(LL): 0.012 B - - HORZ(TL): 0.015 B - - Creep Factor: 2.0 Max TC CSI: 0.565 Max BC CSI: 0.390 Max Web CSI: 0.813 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 654 /- /- /472 /269 /455 G 950 /- /- /600 /20 /- E 425 /- /- /264 /52 /- Wind reactions based on MWFRS J Brg Wid = - Min Req = - G Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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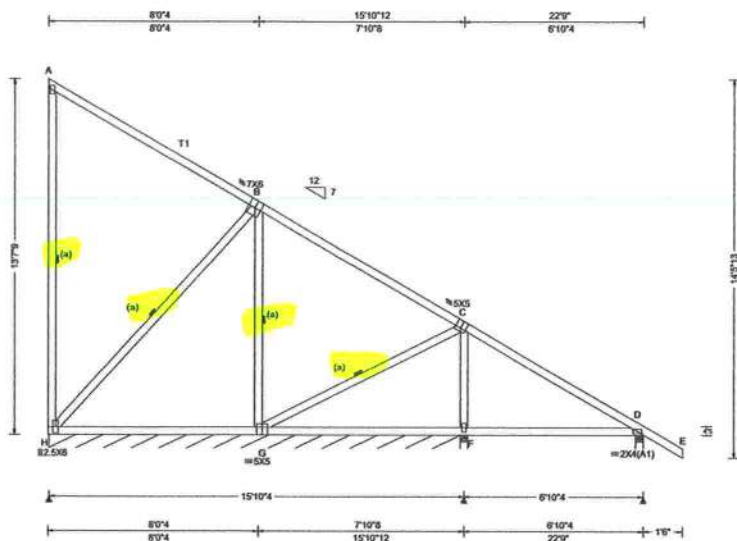
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 335829 FROM:	MONO Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D16	Cust: R 215 JRef: 1XeV2150013 T37 DrwNo: 111.22.0855.23443 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.56 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 D 999 240 VERT(CL): 0.020 D 999 180 HORZ(LL): 0.006 A - - HORZ(TL): 0.013 D - - Creep Factor: 2.0 Max TC CSI: 0.818 Max BC CSI: 0.666 Max Web CSI: 0.180 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity H* 63 /- /- /49 /23 /32 F 533 /- /- /295 /- /- D 466 /- /- /283 /71 /- Wind reactions based on MWFRS H Brg Wid = 188 Min Req = - F Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings H, F, & D are a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp.

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 2X4 except as noted.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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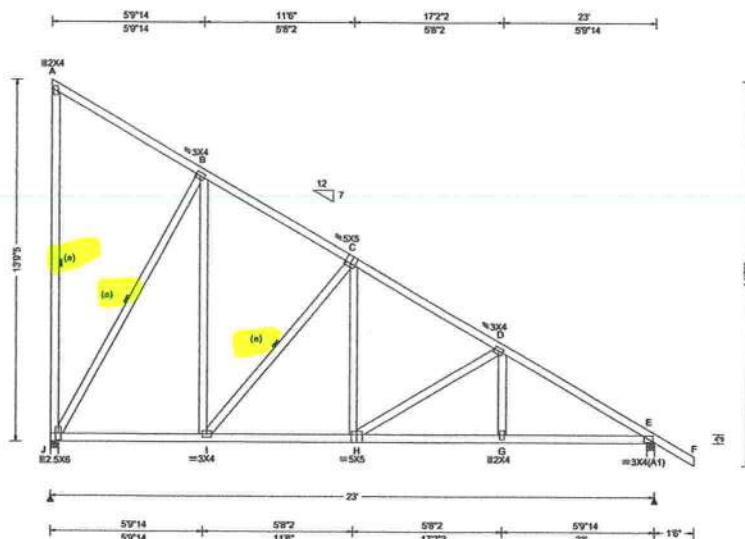
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335830 FROM:	MONO Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D17	Cust: R 215 JRef: 1XeV2150013 T22 DwnNo: 111.22.0856.14323 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.63 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.040 H 999 240 VERT(CL): 0.083 H 999 180 HORZ(LL): 0.033 A - - HORZ(TL): 0.067 A - - Creep Factor: 2.0 Max TC CSI: 0.546 Max BC CSI: 0.423 Max Web CSI: 0.590 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity J 946 /- /- /697 /310 /516 E 1068 /- /- /657 /62 /- Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings J & 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. B - C 0 -596 D - E 97 -1489 C - D 44 -1053

Lumber

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

Left end vertical not exposed to wind pressure.

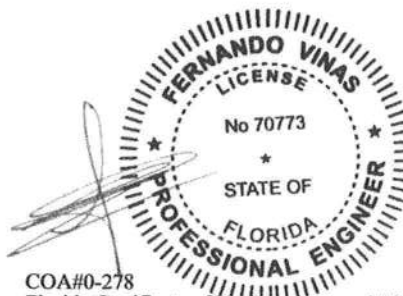
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	475 0	H - G	1209 0
I - H	819 0	G - E	1212 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	427 -868	C - H	399 -76
B - I	619 -168	H - D	244 -449
I - C	302 -602		



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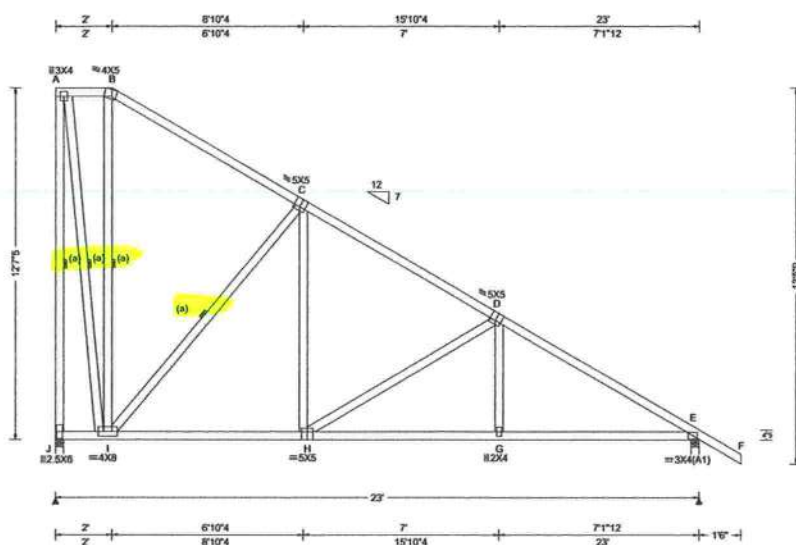
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335831 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D18	Cust: R 215 JRef: 1XeV2150013 T26 DwnNo: 111.22.0856.17167 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.05 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.043 G 999 240 VERT(CL): 0.087 G 999 180 HORZ(LL): 0.016 A - - HORZ(TL): 0.034 A - - Creep Factor: 2.0 Max TC CSI: 0.522 Max BC CSI: 0.518 Max Web CSI: 0.845 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 946 /- /- /656 /278 /458 E 1068 /- /- /693 /68 /- Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings J & 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. C - D 75 -879 D - E 142 -1440

Lumber

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	626 -190	H - G	1153 0
I - H	652 0	G - E	1156 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	473 -949	C - H	522 -85
A - I	968 -469	H - D	296 -577
I - C	386 -791		



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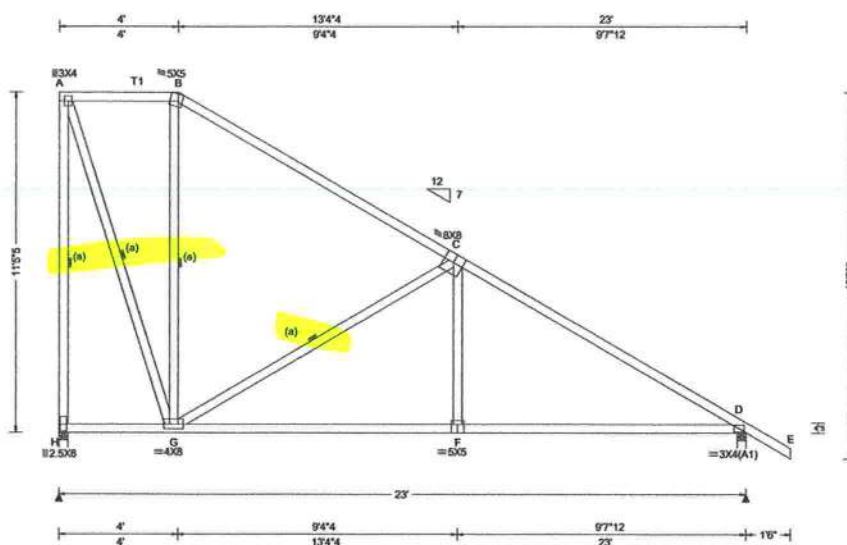
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335832 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D19	Cust: R 215 JRef: 1XeV2150013 T27 DrwNo: 111.22.0856.21570 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.034 F 999 240 VERT(CL): 0.070 F 999 180 HORZ(LL): 0.016 D - - HORZ(TL): 0.032 D - - Creep Factor: 2.0 Max TC CSI: 0.605 Max BC CSI: 0.884 Max Web CSI: 0.689 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 946 /- /- /621 /259 /416 D 1068 /- /- /697 /89 /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings H & D 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 76 -517 C - D 185 -1343

Lumber

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

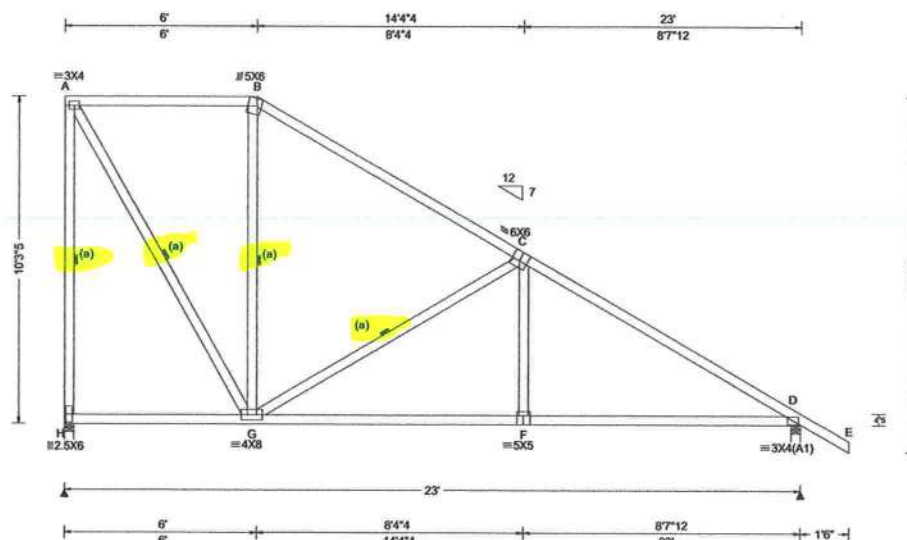


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335833 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D20	Cust: R215 JRef: 1XeV2150013 T28 DrwNo: 111.22.0856.35643 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 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 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.037 F 999 240 VERT(CL): 0.075 F 999 180 HORZ(LL): 0.014 D - - HORZ(TL): 0.030 D - - Creep Factor: 2.0 Max TC CSI: 0.844 Max BC CSI: 0.728 Max Web CSI: 0.608 VIEW Ver: 21.01.01A.0521.21	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 946 /- /- /590 /242 /375 D 1068 /- /- /697 /109 /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings H & D 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 237 -446 C - D 270 -1384 B - C 180 -661

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

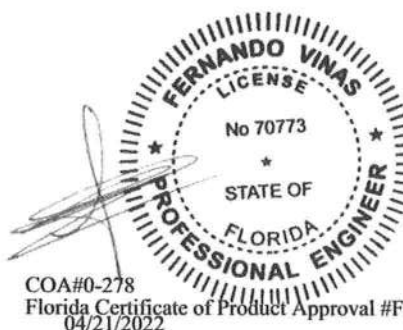
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
H - G	519 -159	F - D	1092 -60
G - F	1089 -61		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	564 -903	G - C	366 -750
A - G	882 -468		



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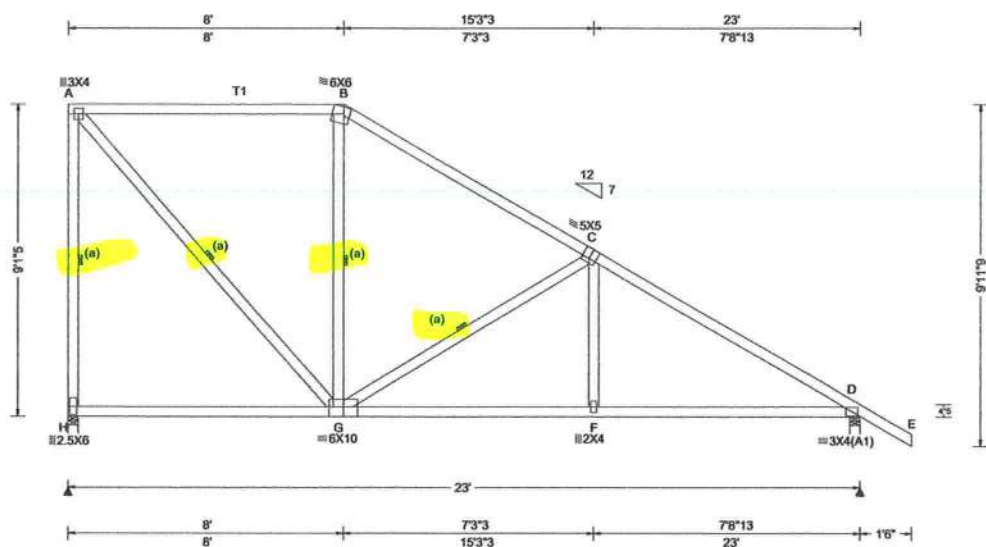
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335834 FROM:	HIPM Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D21	Cust: R 215 JRef: 1XeV2150013 T29 DrwNo: 111.22.0857.15630 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.036 F 999 240 VERT(CL): 0.074 F 999 180 HORZ(LL): 0.013 D - - HORZ(TL): 0.027 D - - Creep Factor: 2.0 Max TC CSI: 0.614 Max BC CSI: 0.642 Max Web CSI: 0.613 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL H 945 /- /- /562 /227 /333 D 1065 /- /- /694 /127 /- Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings H & D 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 330 -596 C - D 356 -1407 B - C 291 -806

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.

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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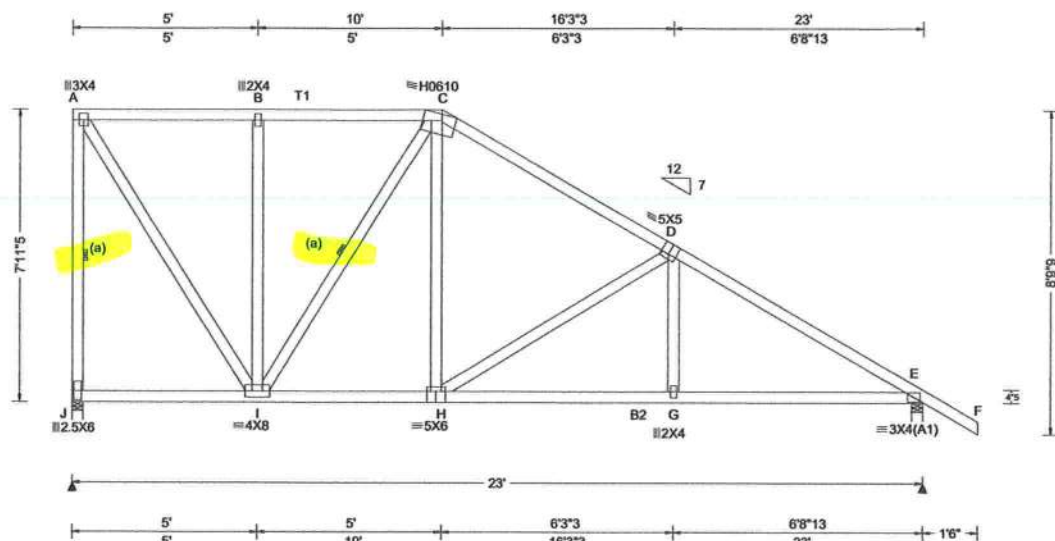
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335835 FROM:	HIPM Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D22	Cust: R 215 JRef: 1XeV2150013 T30 DrwNo: 111.22.0857.19827 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.038 G 999 240 VERT(CL): 0.078 G 999 180 HORZ(LL): 0.014 E - - HORZ(TL): 0.028 E - - Creep Factor: 2.0 Max TC CSI: 0.443 Max BC CSI: 0.477 Max Web CSI: 0.892 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL J 946 /- /- /538 /214 /292 E 1068 /- /- /688 /143 /- Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings J & 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 316 -508 C - D 407 -939 B - C 316 -508 D - E 462 -1457

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2 2x4 SP #2;
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.

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	412 -128	H - G	1172 -255
I - H	720 -35	G - E	1174 -254

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - J	618 -905	I - C	198 -387
A - I	928 -577	C - H	443 -93
B - I	384 -346	H - D	272 -539



COA#0-278

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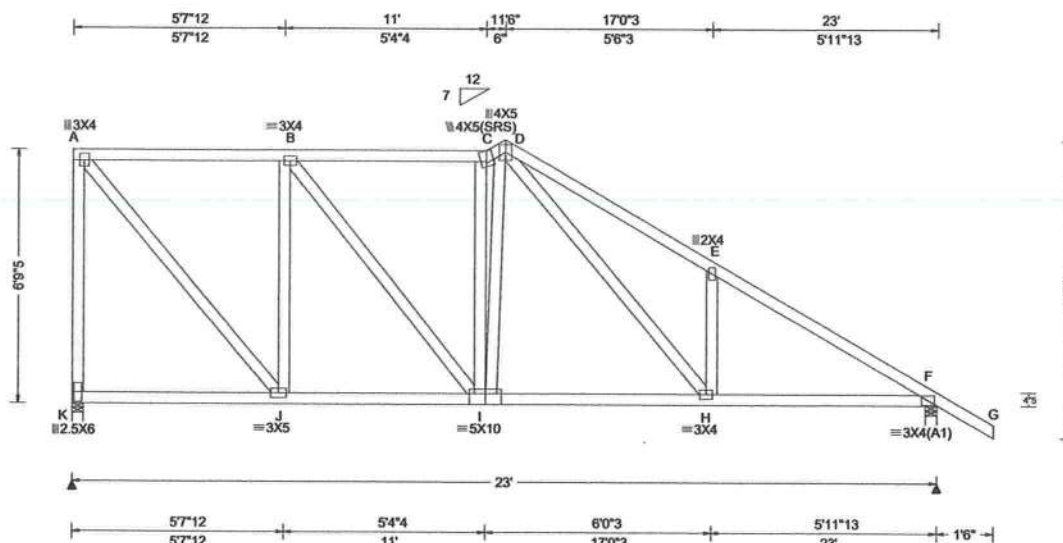
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335836 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D23	Cust: R 215 JRef: 1XeV2150013 T31 DrwNo: 111.22.0857.24947 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.044 E 999 240 VERT(CL): 0.091 E 999 180 HORZ(LL): 0.015 A - - HORZ(TL): 0.031 A - - Creep Factor: 2.0 Max TC CSI: 0.442 Max BC CSI: 0.424 Max Web CSI: 0.815 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 946 /- /- /521 /201 /252 F 1068 /- /- /678 /154 /- Wind reactions based on MWFRS K Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 3.5 Min Req = 1.5 Bearings K & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 390 -642 D - E 683 -1463 B - C 477 -841 E - F 522 -1484 C - D 500 -882

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

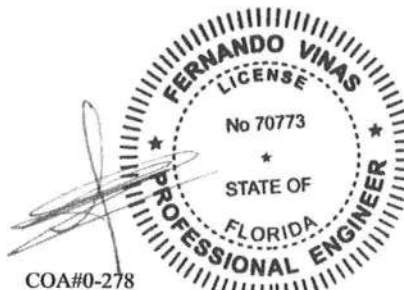
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	671 -106	H - F	1207 -318
I - H	820 -123		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - K	614 -901	I - C	310 -418
A - J	993 -603	D - H	587 -284
J - B	522 -638		



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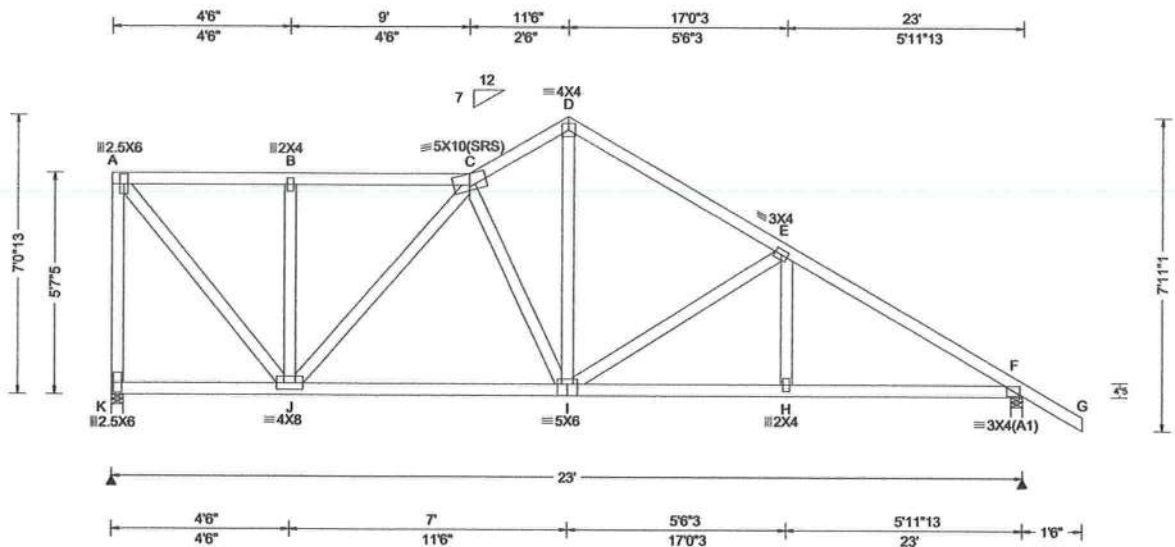
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335837 FROM:	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D24	Cust: R 215 JRef: 1XeV2150013 T32 DrwNo: 111.22.0857.34990 AK / FV 04/21/2022
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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 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity			Non-Gravity				
TCDL: 10.00		Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.042 I 999 240			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
BCLL: 0.00		Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.085 I 999 180			K	946	/-	/-	/513	/189	/211	
BCDL: 10.00		Risk Category: II	Snow Duration: NA			HORZ(LL): 0.017 A - -			F	1068	/-	/-	/665	/164	/-	
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.035 A - -			Wind reactions based on MWFRS							
NCBCLL: 10.00		Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0			K	Brg Wid = 3.5			Min Req = 1.5			
Soffit: 2.00		TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.338			F	Brg Wid = 3.5			Min Req = 1.5			
Load Duration: 1.25		BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.459			Bearings K & F are a rigid surface.							
Spacing: 24.0 "		MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes			Max Web CSI: 0.512			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: Any	Plate Type(s):						Chords		Tens.Comp.		Chords		Tens. Comp.	
		GCpi: 0.18	WAVE						A - B		378 -681		D - E		462 -1045	
		Wind Duration: 1.60				VIEW Ver: 21.01.01A.0521.21										

Lumber

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

Wind

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	968 -217	H - F	1203 -305
I - H	1201 -306		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - K	564 -915	D - I	691 -316
A - J	1054 -585	I - E	243 -454
J - C	203 -443		



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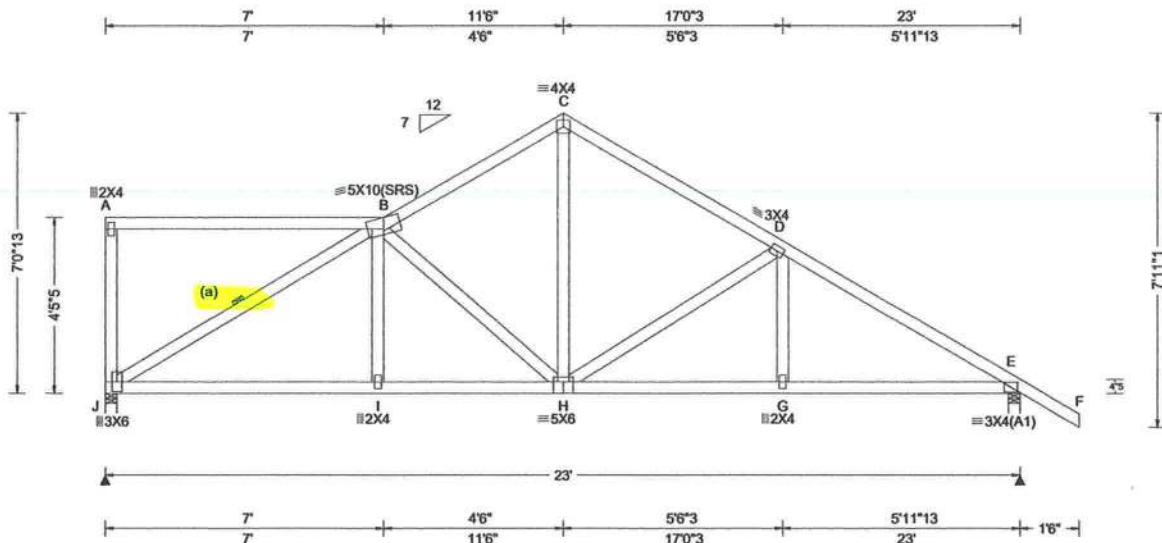
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335838 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D25	Cust: R 215 JRef: 1XeV2150013 T33 DrwNo: 111.22.0857.37123 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.047 H 999 240 VERT(CL): 0.097 H 999 180 HORZ(LL): 0.021 E - - HORZ(TL): 0.044 E - - Creep Factor: 2.0 Max TC CSI: 0.721 Max BC CSI: 0.607 Max Web CSI: 0.472 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL J 946 /- /- /503 /178 /189 E 1068 /- /- /655 /172 /- Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings J & 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. B - C 472 -1029 D - E 486 -1483 C - D 446 -1038

Lumber

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

Left end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	1180 -305	H - G	1203 -287
I - H	1175 -307	G - E	1205 -285

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	632 -1371	C - H	677 -298
B - H	313 -488	H - D	242 -463



COA#0-278
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04/21/2022

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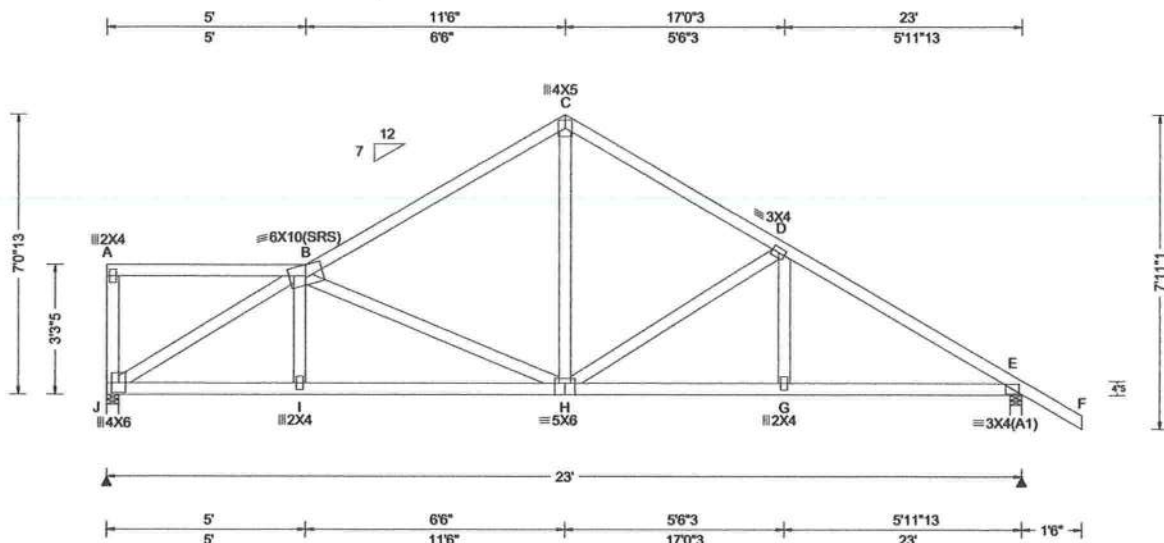
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335839 FROM:	SPEC	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D26	Cust: R 215 JRef: 1XeV2150013 T34 DrwNo: 111.22.0857.40787 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 H 999 240 VERT(CL): 0.095 H 999 180 HORZ(LL): 0.022 E - - HORZ(TL): 0.045 E - - Creep Factor: 2.0 Max TC CSI: 0.685 Max BC CSI: 0.471 Max Web CSI: 0.854 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 946 - / - / - /490 /169 /189 E 1068 - / - / - /647 /178 - Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings J & 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. B - C 416 -1058 D - E 465 -1475 C - D 433 -1051

Lumber

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

Wind

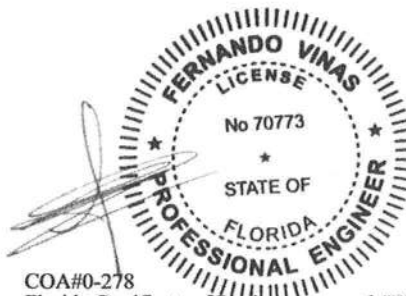
Wind loads based on MWFRS with additional C&C member design.
Left end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
J - I	1262 -298	H - G	1193 -267
I - H	1256 -302	G - E	1195 -265

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
J - B	551 -1453	C - H	587 -159
B - H	245 -457	H - D	219 -422



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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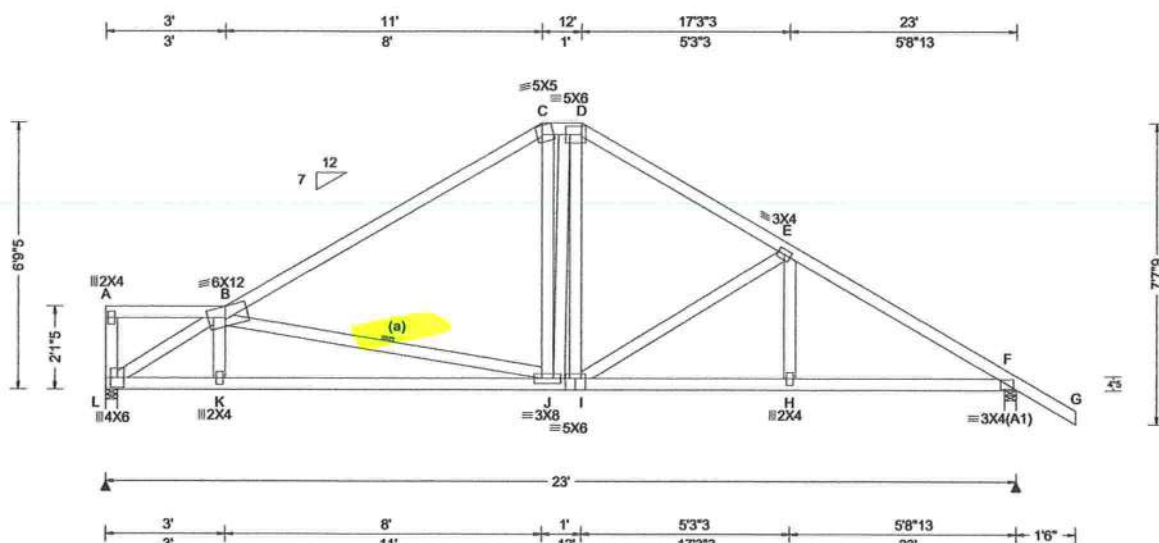
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335840 FROM:	SPEC Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D27	Cust: R 215 JRef: 1XeV2150013 T35 DrwNo: 111.22.0857.50250 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 J 999 240 VERT(CL): 0.095 J 999 180 HORZ(LL): 0.024 F - - HORZ(TL): 0.050 F - - Creep Factor: 2.0 Max TC CSI: 0.740 Max BC CSI: 0.714 Max Web CSI: 0.442 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL L 946 - / - /504 /162 /182 F 1068 - / - /642 /183 - Wind reactions based on MWFRS L Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 3.5 Min Req = 1.5 Bearings L & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 437 -1151 D - E 454 -1073 C - D 463 -889 E - F 493 -1490

Lumber

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	1522 -452	I - H	1211 -296
K - J	1512 -458	H - F	1213 -294
J - I	850 -106		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	680 -1775	I - E	227 -433
B - J	354 -640		



COA#0-278

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04/21/2022

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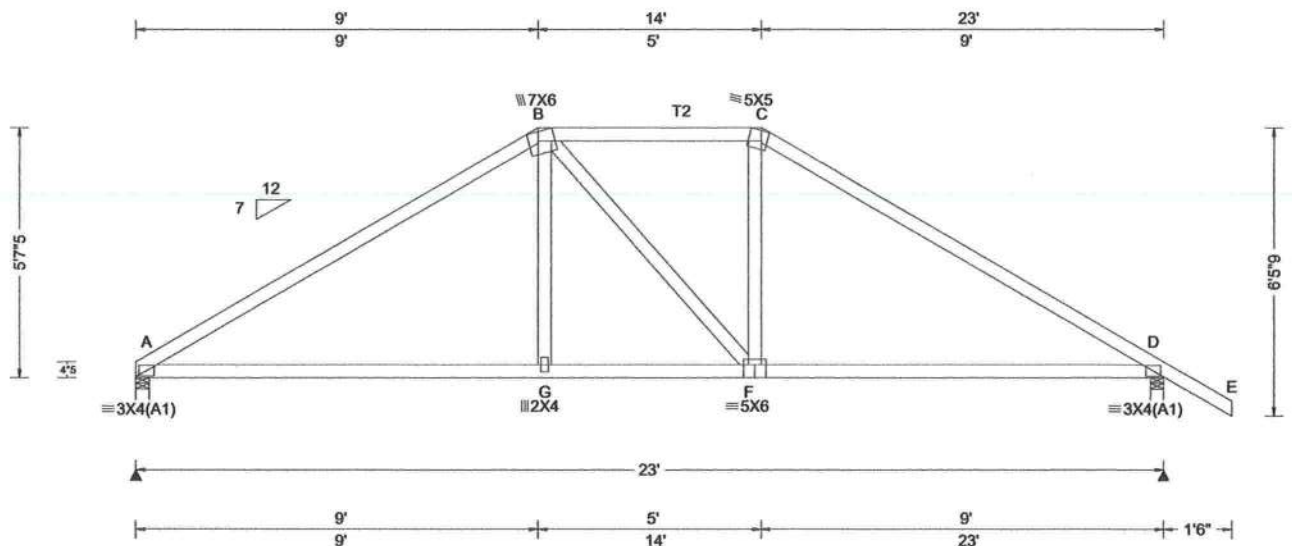
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335841 FROM:	HIPS Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D28	Cust: R 215 JRef: 1XeV2150013 T6 DrwNo: 111.22.0857.56223 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.023 A 999 240 VERT(CL): 0.048 A 999 180 HORZ(LL): 0.017 A - - HORZ(TL): 0.036 A - - Creep Factor: 2.0 Max TC CSI: 0.585 Max BC CSI: 0.758 Max Web CSI: 0.129 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 952 /- /- /550 /159 /151 D 1062 /- /- /527 /187 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings A & D 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 574 -1326 C - D 572 -1316 B - C 595 -1031

Lumber
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - G	1034 -301	F - D	1022 -307
G - F	1038 -300		

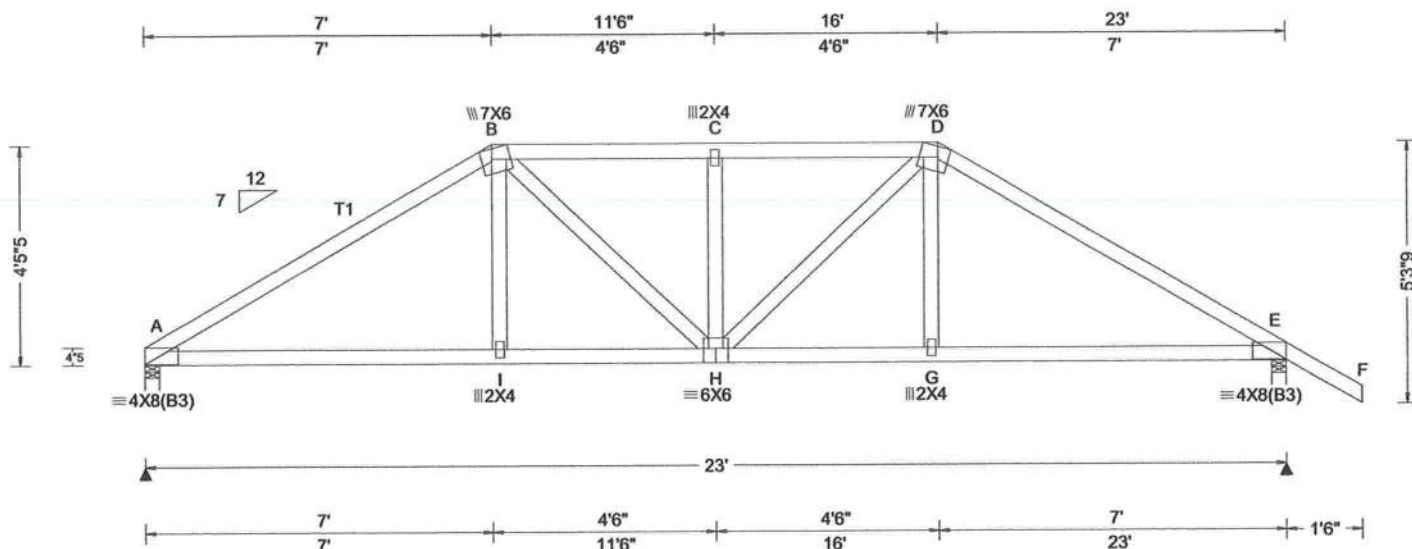


COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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

SEQN: 335842 FROM:	HIPS Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: D29	Cust: R 215 JRef: 1XeV2150013 T8 DrwNo: 111.22.0858.11987 AK / FV 04/21/2022
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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 7-16	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): 0.134 C 999 240	A	2351	/-	/-	/-	/487	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.270 C 999 180	E	2460	/-	/-	/-	/526	/-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.047 E - -	Wind reactions based on MWFRS							
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.095 E - -	A Brg Wid = 3.5 Min Req = 1.9							
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	E Brg Wid = 3.5 Min Req = 2.0							
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.932	Bearings A & E are a rigid surface.							
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.465	Members not listed have forces less than 375#							
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.306	Maximum Top Chord Forces Per Ply (lbs)							
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Chords		Tens.Comp.		Chords		Tens. Comp.	
	Loc. from endwall: Any	Plate Type(s):		A - B	890	-4101	C - D	891	-4041		
	GCpi: 0.18	WAVE	VIEW Ver: 21.01.01A.0521.21	B - C	891	-4041	D - E	895	-4086		
	Wind Duration: 1.60										

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 16.00
TC: From 63 plf at 16.00 to 63 plf at 24.50
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 15.97
BC: From 20 plf at 15.97 to 20 plf at 23.00
BC: From 5 plf at 23.00 to 5 plf at 24.50
TC: 486 lb Conc. Load at 7.03,15.97
TC: 190 lb Conc. Load at 9.06,11.06,11.94,13.94
BC: 461 lb Conc. Load at 7.03,15.97
BC: 130 lb Conc. Load at 9.06,11.06,11.94,13.94

Wind

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

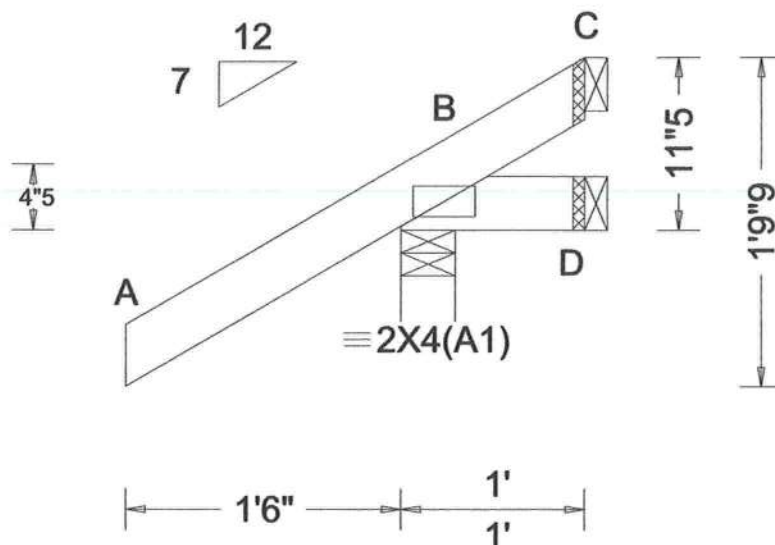


COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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

SEQN: 335843 FROM:	JACK Ply: 1 Qty: 10	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J01	Cust: R 215 JRef: 1XeV2150013 T11 DrwNo: 111.22.0858.13963 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /55 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 1.5 C Brg Wid = 1.5 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.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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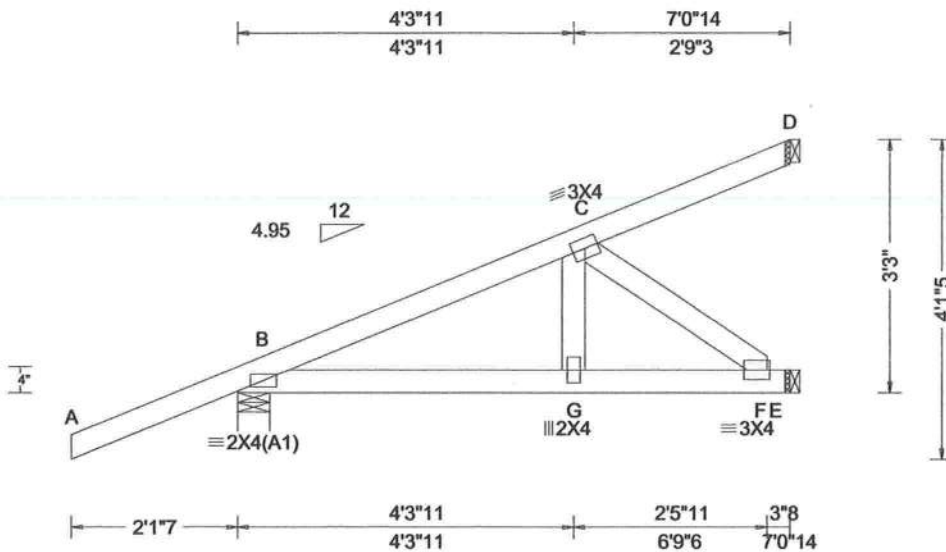
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335844 FROM:	HIP_	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J01HJ	Cust: R 215 JRef: 1XeV2150013 T53 DrwNo: 111.22.0858.16367 AK / FV 04/21/2022
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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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 G 999 240 VERT(CL): 0.011 G 999 180 HORZ(LL): -0.002 B - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.414 Max BC CSI: 0.206 Max Web CSI: 0.028 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 310 /- /- /- /68 /- E 185 /- /- /- /6 /- D 111 /- /- /- /40 /- Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 1.5 E Brg Wid = 1.5 D Brg Wid = 1.5 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;

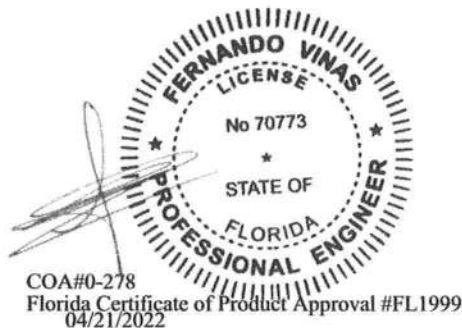
Loading

Hipjack supports 5-0-0 setback jacks with no webs.

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



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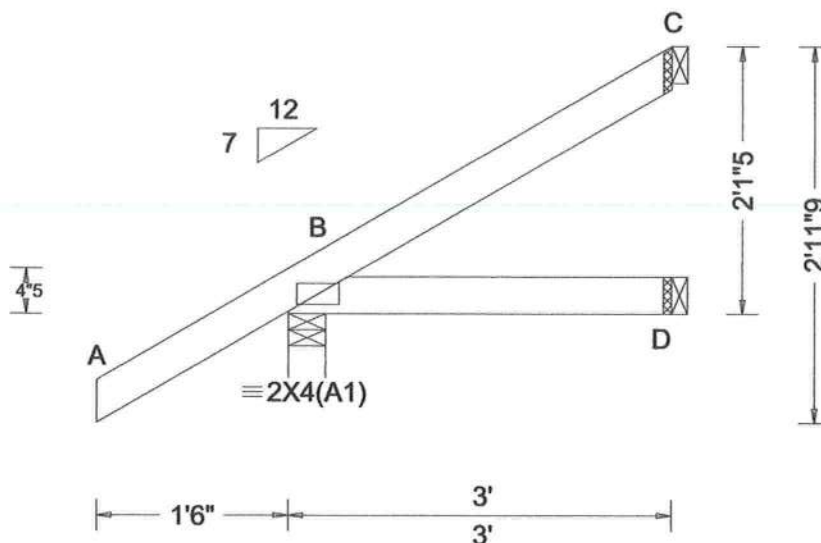
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335845 FROM:	JACK Qty: 9	Ply: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J02	Cust: R 215 JRef: 1XeV2150013 T10 DrwNo: 111.22.0858.17797 AK / FV 04/21/2022
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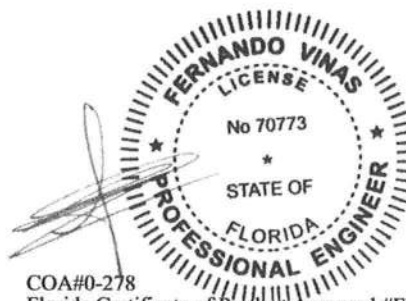
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /192 /36 /86 D 50 /- /- /32 /- /- C 63 /- /- /38 /38 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 1.5 C Brg Wid = 1.5 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.



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04/21/2022

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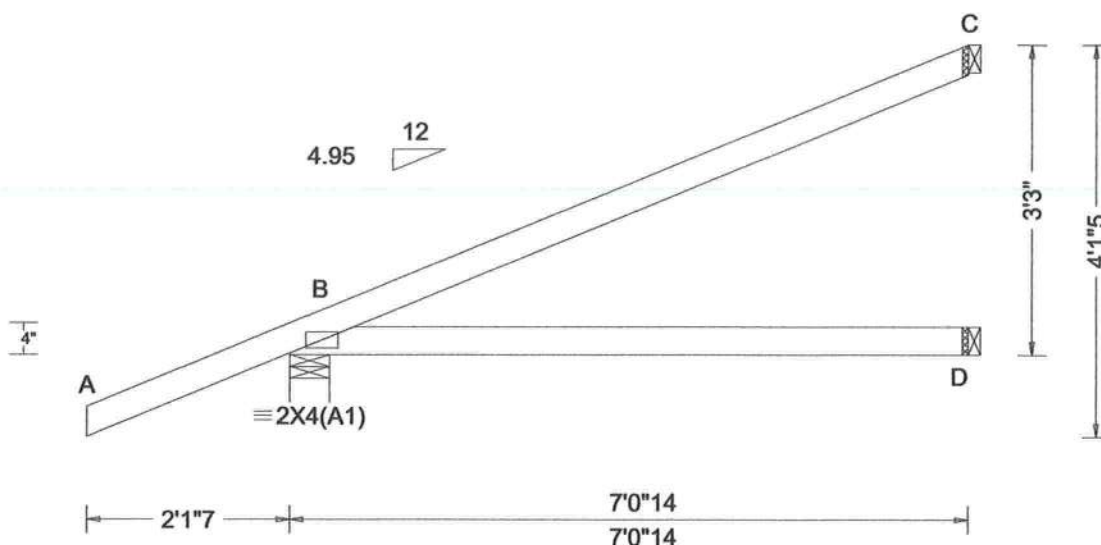
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335846 FROM:	HIP_	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J02HJ	Cust: R 215 JRef: 1XeV2150013 T24 DrwNo: 111.22.0858.48140 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.013 B - - HORZ(TL): 0.022 B - - Creep Factor: 2.0 Max TC CSI: 0.628 Max BC CSI: 0.512 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 287 /- /- /- /164 /- D 127 /- /- /- /9 /- C 81 /- /- /- /51 /- Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 1.5 D Brg Wid = 1.5 C Brg Wid = 1.5 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;

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 7.07
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 7.07
TC: -44 lb Conc. Load at 1.48
TC: 145 lb Conc. Load at 4.31
BC: 9 lb Conc. Load at 1.48
BC: 105 lb Conc. Load at 4.31

Wind

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



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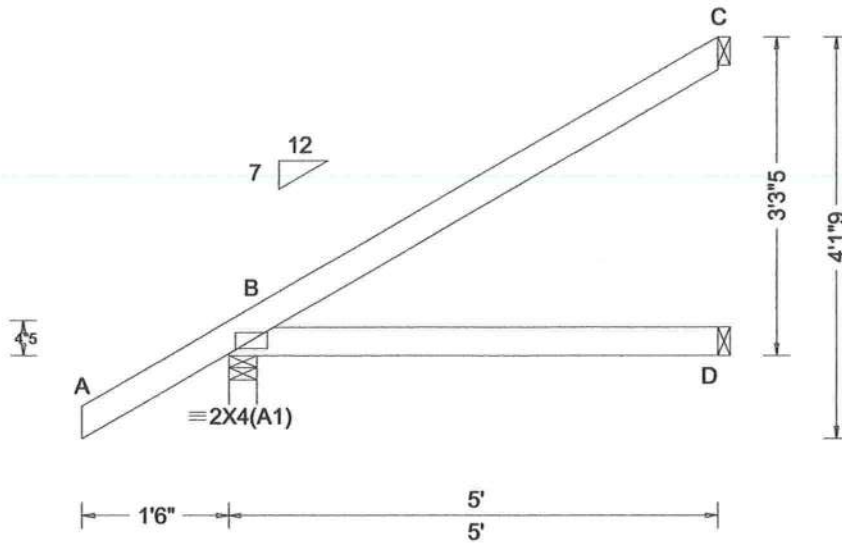
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335847 FROM:	EJAC Qty: 3	Ply: 1 Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J03	Cust: R 215 JRef: 1XeV2150013 T68 DrwNo: 111.22.0844.52350 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.237 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 1.5 C Brg Wid = 1.5 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.



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04/21/2022

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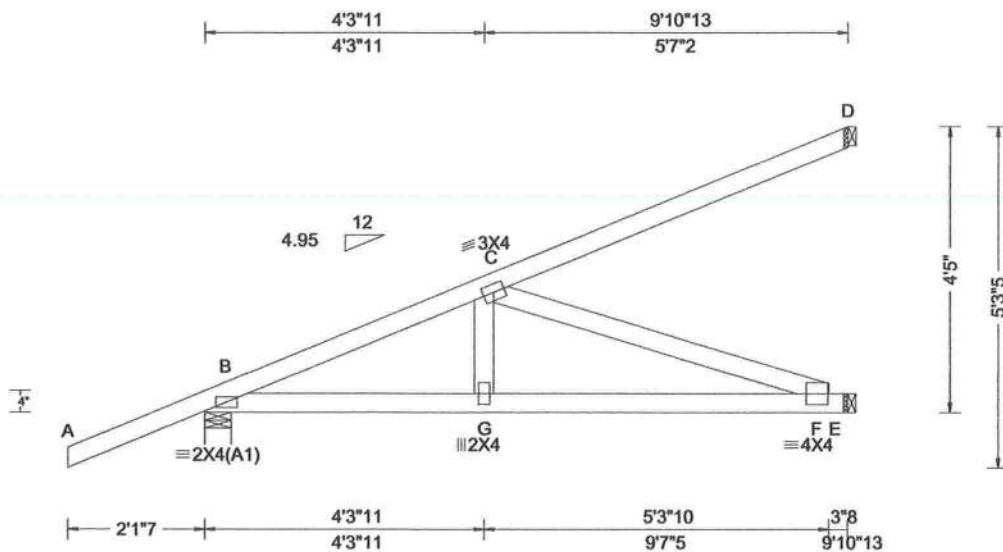
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335848 FROM:	HIP_	Ply: 1 Qty: 3	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J03HJ	Cust: R 215 JRef: 1XeV2150013 T13 DrwNo: 111.22.0844.56900 AK / FV 04/21/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 G 999 240 VERT(CL): 0.041 G 999 180 HORZ(LL): 0.004 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.889 Max BC CSI: 0.239 Max Web CSI: 0.462 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 466 /- /- /- /93 /- E 331 /- /- /8 /- /- D 296 /- /- /- /110 /- Wind reactions based on MWFRS B Brg Wid = 4.9 Min Req = 1.5 E Brg Wid = 1.5 D Brg Wid = 1.5 Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Loading

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

Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.

B - C 114 -756

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

B - G 693 -106 G - F 688 -110

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp.

C - F 117 -730



COA#0-278

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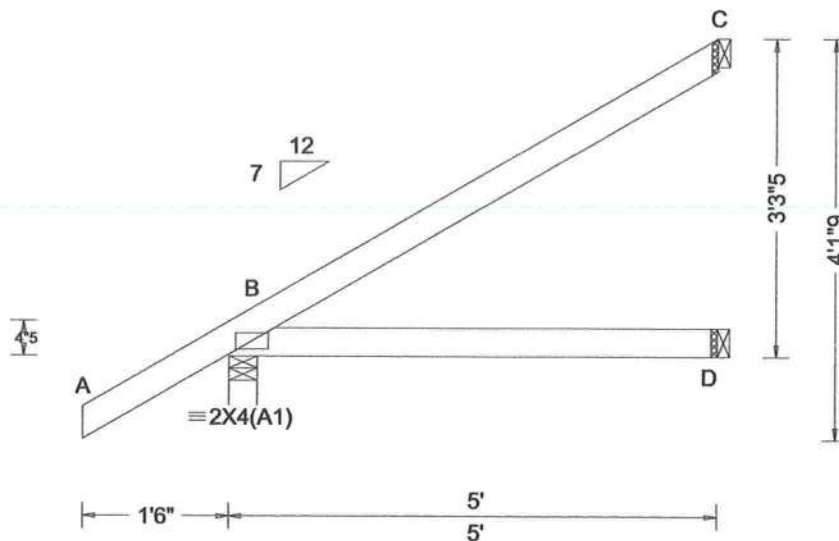
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335849 FROM:	JACK Qty: 6	Ply: 1 Qty: 6	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J04	Cust: R 215 JRef: 1XeV2150013 T9 DrwNo: 111.22.0844.58587 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.237 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 1.5 C Brg Wid = 1.5 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.



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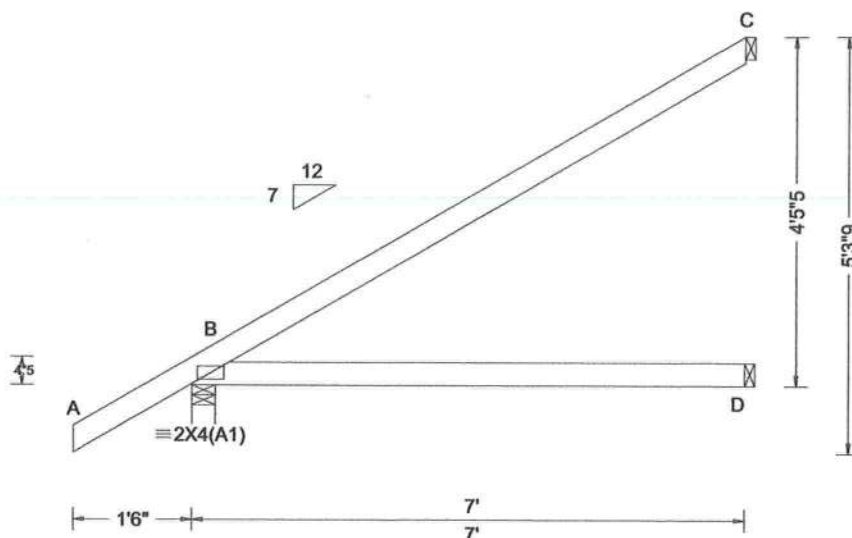
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 335850 FROM:	EJAC Qty: 8	Ply: 1 Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J05	Cust: R 215 JRef: 1XeV2150013 T12 DrwNo: 111.22.0845.00287 AK / FV 04/21/2022
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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 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	VERT(LL): NA	Gravity	Loc	R+	/ R-	/ Rh	Non-Gravity		
TCDL: 10.00	Speed: 130 mph	Pf: NA	Cs: NA	Ce: NA	VERT(CL): NA	HORZ(LL): 0.014 B - -						/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA			HORZ(TL): 0.027 B - -	Creep Factor: 2.0		B	412	/-	/-	/279	/34	/168
BCDL: 10.00	Risk Category: II	Snow Duration: NA			Max TC CSI: 0.750			D	130	/-	/-	/73	/-	/-
Des Ld: 40.00	EXP: C Kzt: NA				Max BC CSI: 0.520			C	190	/-	/-	/124	/103	/-
NCBCLL: 10.00	Mean Height: 15.00 ft				Max Web CSI: 0.000			Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf							B	Brg Wid = 3.5 Min Req = 1.5					
Load Duration: 1.25	BCDL: 5.0 psf							D	Brg Wid = 1.5					
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2							C	Brg Wid = 1.5					
	C&C Dist a: 3.00 ft							Bearing B is a rigid surface.						
	Loc. from endwall: Any							Members not listed have forces less than 375#						
	GCpi: 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.



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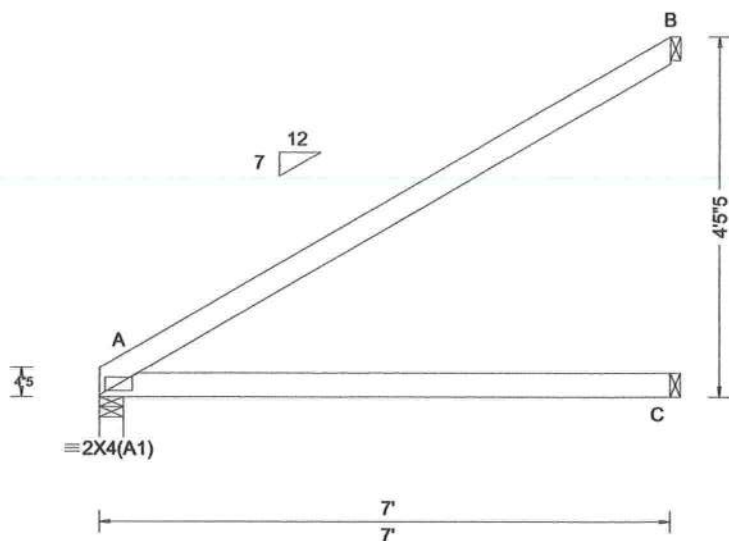
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335851 FROM:	EJAC Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J06	Cust: R215 JRef: 1XeV2150013 T75 DrwNo: 111.22.0845.02160 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 A - - HORZ(TL): 0.033 A - - Creep Factor: 2.0 Max TC CSI: 0.797 Max BC CSI: 0.540 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 297 /- /- /185 /4 /143 C 132 /- /- /79 /- /- B 197 /- /- /131 /105 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 C Brg Wid = 1.5 B Brg Wid = 1.5 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.



COA#0-278
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04/21/2022

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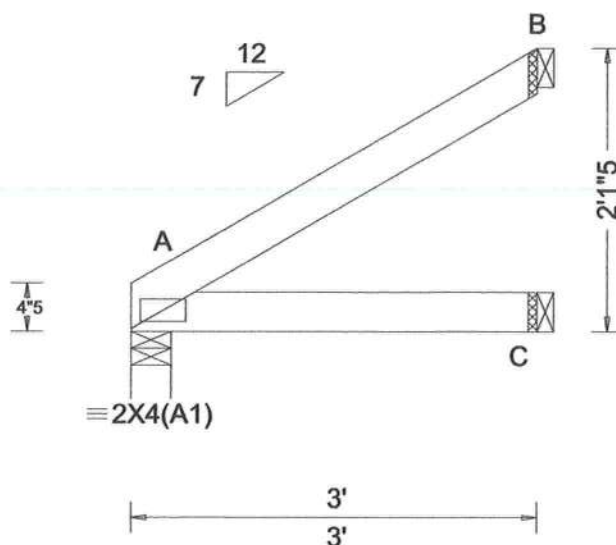
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335852 FROM:	JACK Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: J07	Cust: R 215 JRef: 1XeV2150013 T56 DrwNo: 111.22.0845.04927 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.168 Max BC CSI: 0.089 Max Web CSI: 0.000 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 131 /- /- /81 /- /60 C 55 /- /- /33 /- /- B 82 /- /- /55 /45 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 C Brg Wid = 1.5 B Brg Wid = 1.5 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.



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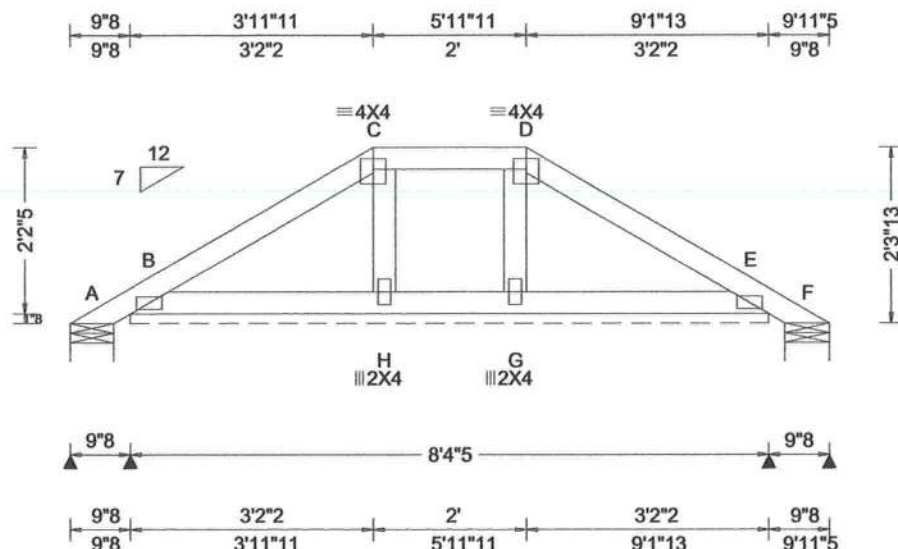
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335853 FROM:	GABL Qty: 1	Ply: 1 Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB01	Cust: R 215 JRef: 1XeV2150013 T67 DrwNo: 111.22.0845.08230 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: 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 7th Ed. 2020 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 B 999 240 VERT(CL): 0.006 B 999 180 HORZ(LL): 0.002 E - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.416 Max BC CSI: 0.177 Max Web CSI: 0.038 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-138 /- /92 /119 /119 B* 285 /- /- /91 /61 /- F - /-133 /- /45 /58 /- B /-132 E /-108 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 B Brg Wid = 100 Min Req = - F Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & F are a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. C - H 128 -452 G - D 120 -440

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

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of 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

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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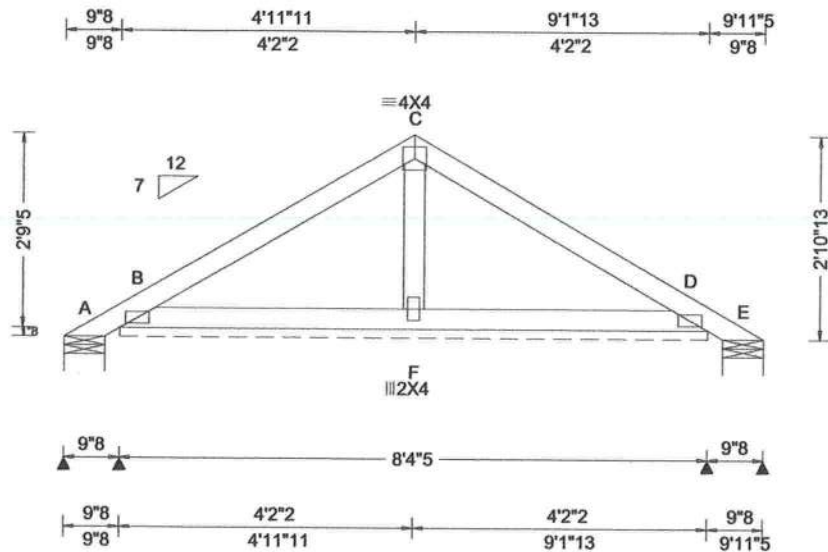
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335854 FROM:	GABL Qty: 3	Ply: 1 Qty: 3	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB02	Cust: R 215 JRef: 1XeV2150013 T69 DrwNo: 111.22.0845.09607 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 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: 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 7th Ed. 2020 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): 0.004 B 999 240 VERT(CL): 0.012 B 999 180 HORZ(LL): 0.003 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.818 Max BC CSI: 0.310 Max Web CSI: 0.027 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-346 /- /151 /219 /151 B* 331 /- /- /106 /74 /- E - /-301 /- /105 /143 /- B /-205 D /-170 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 B Brg Wid = 100 Min Req = - E Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & 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. B - C 188 -514 C - D 188 -469 Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. C - F 37 -492

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

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

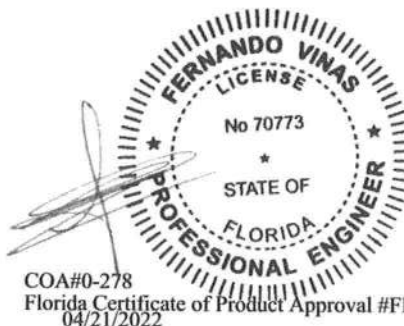
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -346# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



COA#0-278
Florida Certificate of Product Approval #FL1999
04/21/2022

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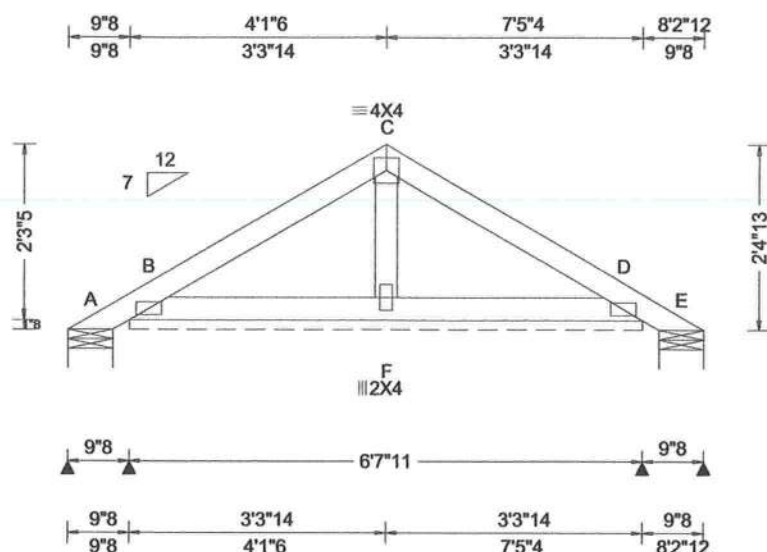
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335855 FROM:	GABL Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB03	Cust: R 215 JRef: 1XeV2150013 T71 DrwNo: 111.22.0845.11157 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 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: 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 7th Ed. 2020 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/def L/# VERT(LL): 0.002 B 999 240 VERT(CL): 0.007 B 999 180 HORZ(LL): 0.002 B - - HORZ(TL): 0.005 B - - Creep Factor: 2.0 Max TC CSI: 0.498 Max BC CSI: 0.220 Max Web CSI: 0.020 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-162 /- /100 /128 /123 B* 311 /- /- /100 /66 /- E - /-147 /- /50 /65 /- B /-144 D /-115 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 B Brg Wid = 79.7 Min Req = - E Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 146 -390 Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. C - F 34 -408

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

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

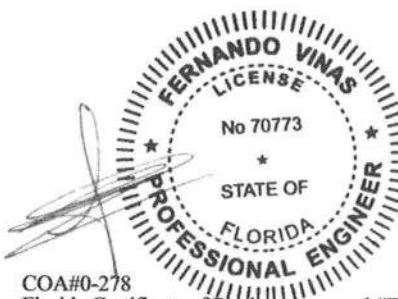
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



COA#0-278

Florida Certificate of Product Approval #FL1999
04/21/2022

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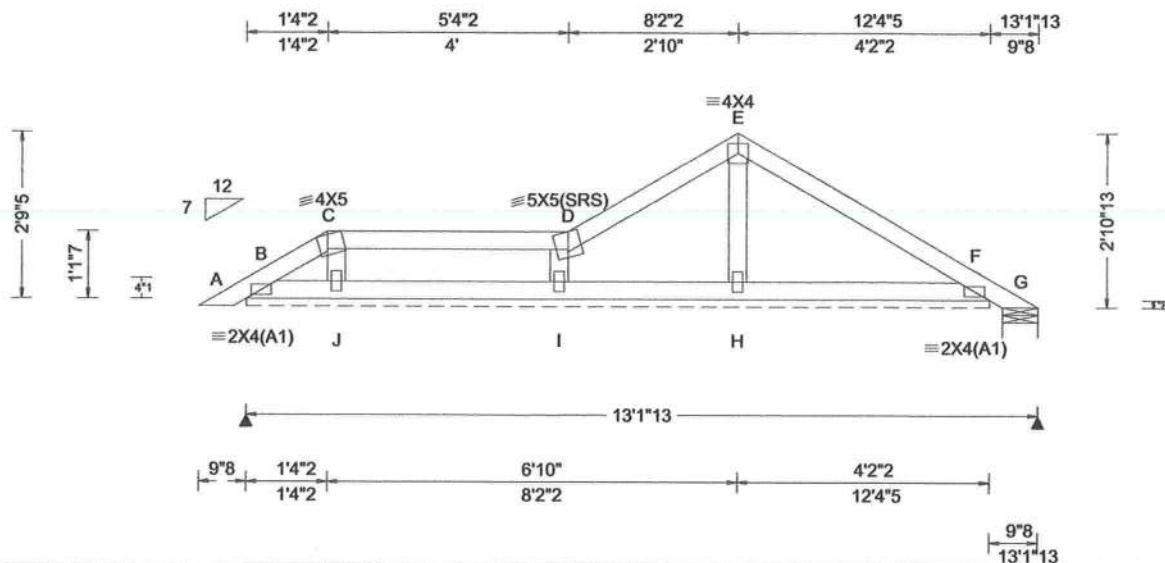
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335856 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB04	Cust: R 215 JRef: 1XeV2150013 T72 Dwno: 111.22.0845.25513 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 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: 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 7th Ed. 2020 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): 0.004 F 999 240 VERT(CL): 0.011 F 999 180 HORZ(LL): -0.003 F - - HORZ(TL): 0.008 F - - Creep Factor: 2.0 Max TC CSI: 0.923 Max BC CSI: 0.242 Max Web CSI: 0.130 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 274 /- /- /85 /57 /12 G - /-318 /- /109 /151 /- J /-99 I /-244 F /-289 Wind reactions based on MWFRS B Brg Wid = 148 Min Req = - G Brg Wid = 6.9 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of 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

Negative reaction(s) of -318# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Refer to DWG PB160160118 for piggyback details.



COA#0-278

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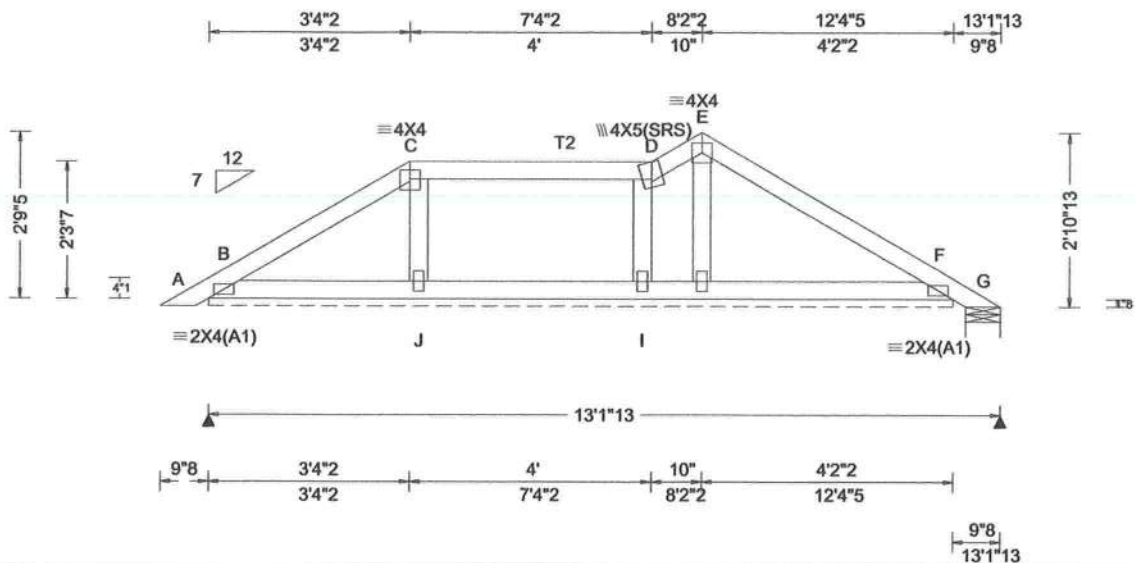
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 335857 FROM:	GABL Ply: 1 Qty: 1	Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB05	Cust: R 215 JRef: 1XeV2150013 T76 DrwNo: 111.22.0845.28103 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 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: 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 7th Ed. 2020 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): 0.004 F 999 240 VERT(CL): 0.011 F 999 180 HORZ(LL): -0.003 B - - HORZ(TL): 0.008 F - - Creep Factor: 2.0 Max TC CSI: 0.720 Max BC CSI: 0.264 Max Web CSI: 0.133 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B* 269 /- /- /85 /57 /12 G - /-316 /- /108 /150 /- B /-127 J /-126 I /-230 F /-284 Wind reactions based on MWFRS B Brg Wid = 148 Min Req = - G Brg Wid = 6.9 Min Req = 1.5 Bearings B & G are a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins
In lieu of 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
Negative reaction(s) of -316# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.

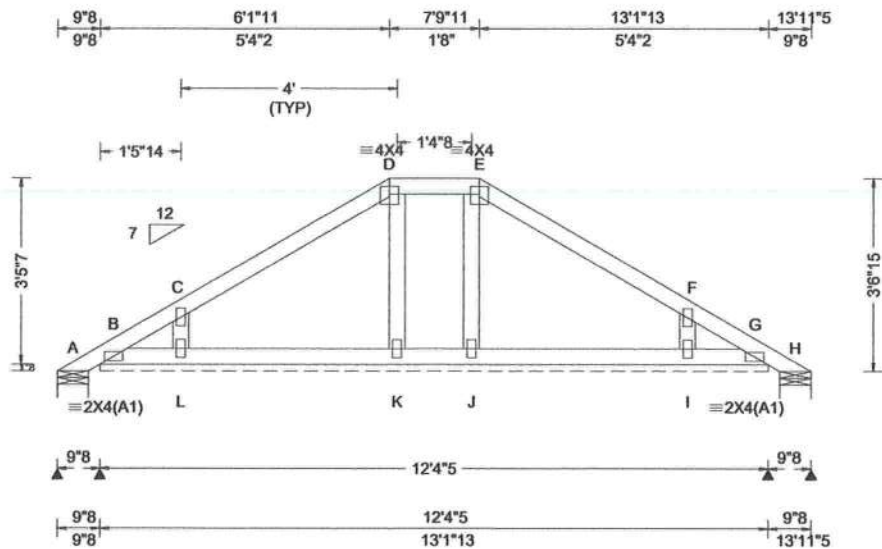


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04/21/2022

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

SEQN: 335858 FROM:	GABL Qty: 1	Ply: 1 Job Number: 22-7286 Lot 4 River Rise Condo Truss Label: PB06	Cust: R 215 JRef: 1XeV2150013 T70 DrwNo: 111.22.0846.04947 AK / FV 04/21/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.79 ft TCDL: 5.0 psf BCDL: 2.0 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 7th Ed. 2020 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/def L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.002 D 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.002 F - - Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.054 Max Web CSI: 0.182 VIEW Ver: 21.01.01A.0521.21	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 58 /- /- /105 /88 /187 B* 158 /- /- /75 /60 /- H 58 /- /- /33 /32 /- L /-351 K /-149 J /-149 I /-351 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 B Brg Wid = 148 Min Req = - H Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & H are a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. C - L 613 -583 I - F 613 -583

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 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of 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

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



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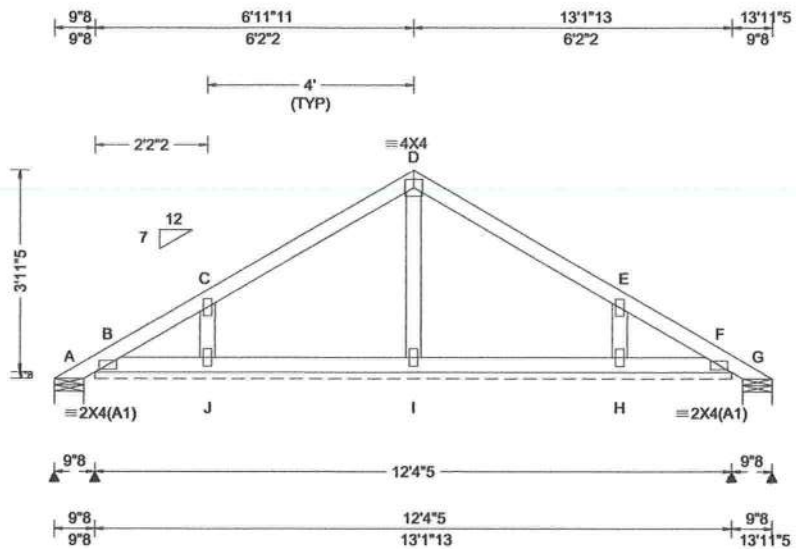
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ALPINE
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.78 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: 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 7th Ed. 2020 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 D 999 240 VERT(CL): 0.005 D 999 180 HORZ(LL): 0.001 E - - HORZ(TL): 0.003 F - - Creep Factor: 2.0 Max TC CSI: 0.868 Max BC CSI: 0.073 Max Web CSI: 0.117 VIEW Ver: 21.01.01A.0521.21	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 91 /- /- /127 /101 /218 B* 214 /- /- /80 /44 /- G 91 /- /- /38 /23 /- J /-281 H /-281 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 B Brg Wid = 148 Min Req = - G Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. Gables Tens. Comp. C - J 393 -847 H - E 393 -847 D - I 52 -728

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 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins
In lieu of 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
See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
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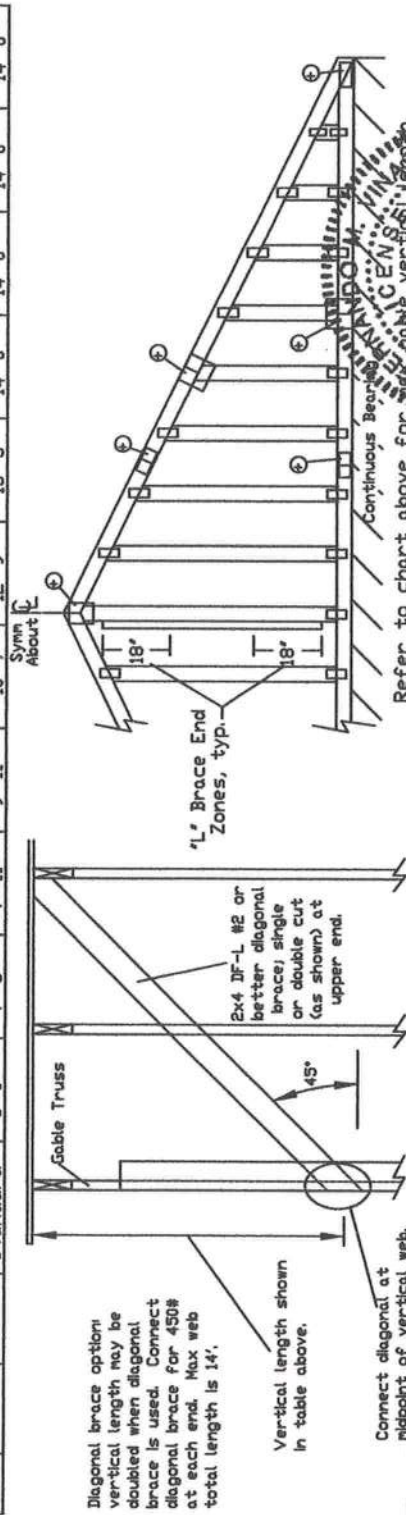
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Gable Stud Reinforcement Detail

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

Or 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

2x4 Gable Vertical Spacing		Brace		Max Gable Vertical Length											
				1x4 'L' Brace			2x4 'L' Brace			2x6 'L' Brace			2x6 'L' Brace		
Species	Grade	No Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group B
SPF	#1 / #2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 3"	10' 3"	10' 3"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
	#3	4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 1"	10' 1"	10' 1"	13' 4"	13' 10"	14' 0"	14' 0"	14' 0"
	Stud	4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 1"	10' 1"	10' 1"	13' 4"	13' 10"	14' 0"	14' 0"	14' 0"
HF	Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 1"	10' 1"	10' 1"	11' 10"	12' 8"	14' 0"	14' 0"	14' 0"
	#1	4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 4"	10' 4"	10' 4"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"
	#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 3"	10' 3"	10' 3"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
SP	#3	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 2"	10' 2"	10' 2"	12' 5"	13' 4"	14' 0"	14' 0"	14' 0"
	Stud	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 2"	10' 2"	10' 2"	12' 5"	13' 4"	14' 0"	14' 0"	14' 0"
	Standard	4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	9' 6"	9' 6"	9' 6"	11' 0"	11' 10"	14' 0"	14' 0"	14' 0"
DFL	#1 / #2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	12' 2"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#3	4' 8"	8' 1"	8' 5"	9' 8"	10' 1"	11' 7"	12' 1"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	4' 8"	8' 1"	8' 5"	9' 8"	10' 1"	11' 7"	12' 1"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
SP	Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	12' 4"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	12' 2"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
DFL	#3	4' 9"	7' 4"	7' 8"	9' 9"	10' 2"	11' 8"	12' 1"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	4' 9"	7' 4"	7' 8"	9' 9"	10' 2"	11' 8"	12' 1"	12' 1"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Standard	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	12' 1"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
SPF	#1 / #2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	13' 5"	13' 5"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
HF	Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	13' 6"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	13' 5"	13' 5"	13' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
SP	#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	13' 4"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	13' 4"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	Standard	5' 1"	7' 5"	7' 11"	9' 11"	10' 7"	12' 9"	13' 3"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"



Diagonal brace option: Vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.

Refer to chart above for 'L' brace vertical length.

Continuous Bearing Plate

'L' Brace End Zones, typ.

2x4 JP-L #2 or better diagonal brace, single or double cut (as shown) at upper end.

45°

Gable Truss

Sym About

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

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

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

Or 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing

Species

Grade

No Braces

ALPINE AN ITW COMPANY

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THE INSTALLER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of the ITW Building Components Group Inc. (ITWBC) Manual for Trusses. The ITWBC Manual for Trusses is available at www.itwbc.com. The ITWBC Manual for Trusses is available at www.itwbc.com. The ITWBC Manual for Trusses is available at www.itwbc.com.

Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ITWBC sections 13, 17 or 210, 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 1504-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the ITWBC Manual for Trusses. The ITWBC Manual for Trusses is available at www.itwbc.com. The ITWBC Manual for Trusses is available at www.itwbc.com. The ITWBC Manual for Trusses is available at www.itwbc.com.

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

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.trusscraft.com ITWBC: www.itwbc.com

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No 70773

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0'

Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

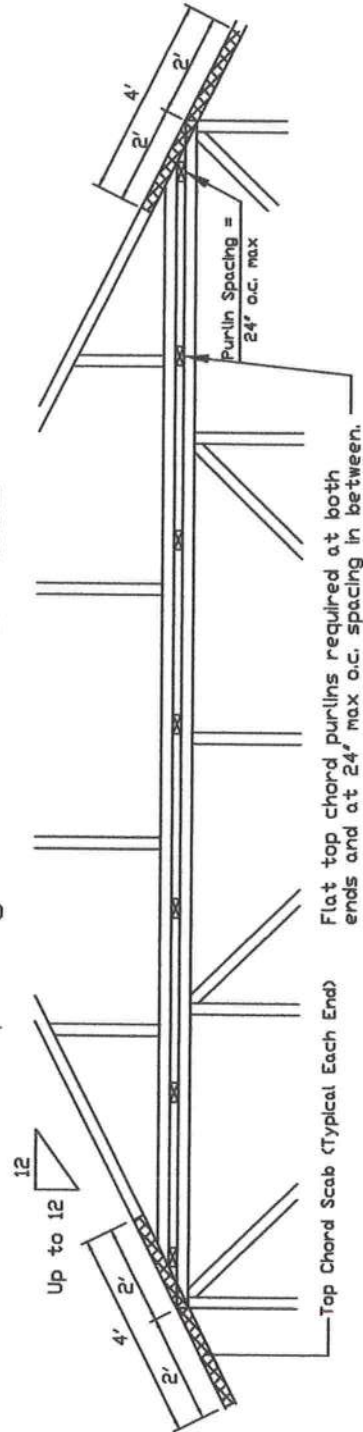
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0, Dir 140 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record 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.

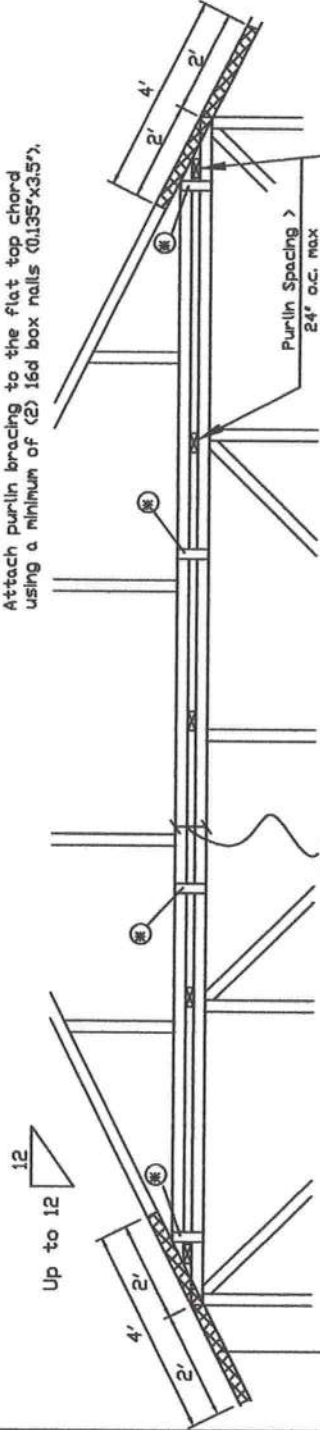
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

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").



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

■ 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 Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 0.113"x2" nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

28PB Wave Piggyback Plate

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ICC Building Component Safety Information, by TPI and ICC for safety practices prior to performing these functions. Installers shall provide temporary bracing per ICC. 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 of truss and purlins shall be followed. 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 the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and the web site: www.alpineitw.com TPI www.tpiinc.com ICC www.icc-inc.com



REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118



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

Gable Stud Reinforcement Detail

ASCE 7-16: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Or: 100 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

2x4 Gable Vertical Spacing		Brace		No Braces	(1) 1x4 "L" Brace												(2) 2x4 "L" Brace												(3) 2x6 "L" Brace												(4) 2x6 "L" Brace											
		Species	Grade		Group A			Group B			Group A			Group B			Group A			Group B			Group A			Group B			Group A			Group B																				
12" O.C.	SPF	#1 / #2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	11' 6"	12' 7"	13' 15"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																					
			3' 10"	6' 2"	6' 7"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			3' 10"	6' 2"	6' 7"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			3' 10"	5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 0"	11' 0"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 2"	7' 0"	7' 3"	8' 3"	8' 7"	9' 10"	10' 3"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
	HF	#2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			4' 0"	5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			3' 9"	4' 11"	5' 13"	6' 6"	7' 0"	8' 10"	9' 6"	10' 3"	11' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
16" O.C.	SPF	#3	4' 5"	7' 6"	8' 0"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																					
			4' 5"	6' 5"	6' 10"	8' 7"	9' 2"	11' 0"	11' 6"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			4' 10"	8' 0"	8' 4"	9' 6"	9' 10"	11' 3"	11' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
	DFL	Stud	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 5"	6' 0"	6' 5"	8' 0"	8' 7"	10' 10"	11' 6"	12' 7"	13' 15"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	12' 2"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			4' 10"	8' 7"	8' 11"	10' 2"	10' 7"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																		
12" O.C.	SPF	#1	5' 4"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																				
			5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	12' 3"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																			
			Stud	5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"																		

CLR Reinforcing

Member Substitution

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

Notes:

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

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

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

Web Member 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(Ø)
2x8	1 row	2x6 1-2x8
2x8	2 rows	2x6 2-2x6(Ø)

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.

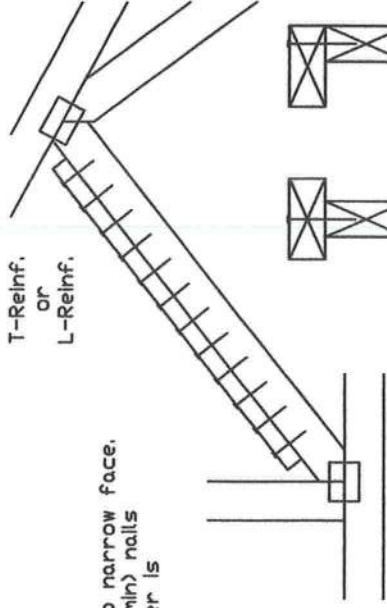
Ø Center scab on wide face of web. Apply (1) scab to each face of web.

T-Reinforcement

or

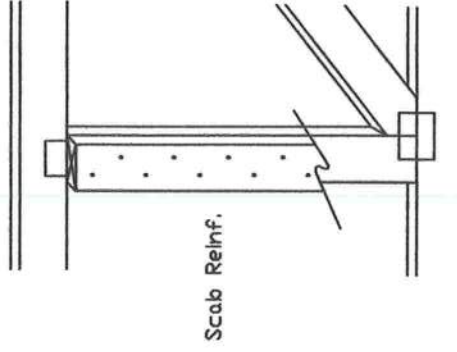
L-Reinforcement:

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





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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING BEFORE FABRICATING, HANDLING, SHIPPING, INSTALLING, OR USING. THESE TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND USING. REFER TO AND FOLLOW THE LATEST EDITION OF BCSI GUIDING COMPONENT SAFETY INFORMATION, BY TPI AND BCSI, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. INSTALLERS SHALL PROVIDE TEMPORARY BRACING PER BCSI. UNLESS NOTED OTHERWISE, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL SHEATHING AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. LOCATIONS SHOWN FOR PERMANENT LATERAL RESTRAINT OF WEBS SHALL HAVE BRACING INSTALLED PER BCSI SECTIONS 33, 37 OR 310, 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 104A-2 FOR STANDARD PLATE POSITIONS.

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

For more information see this job's general notes page and these web sites:
ALPINE: www.alpinebuild.com TPI: www.tpi.com BCSI: www.bcsigroup.com

FERNANDO M. VINAS
LICENSE
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04/21/2022

PSF CLR Subst.
DATE 01/02/19
DRWG BRCLBSUB0119

PSF
PSF
PSF
PSF
PSF

TOT. LD.
DUR. FAC.
SPACING

COA#0-278