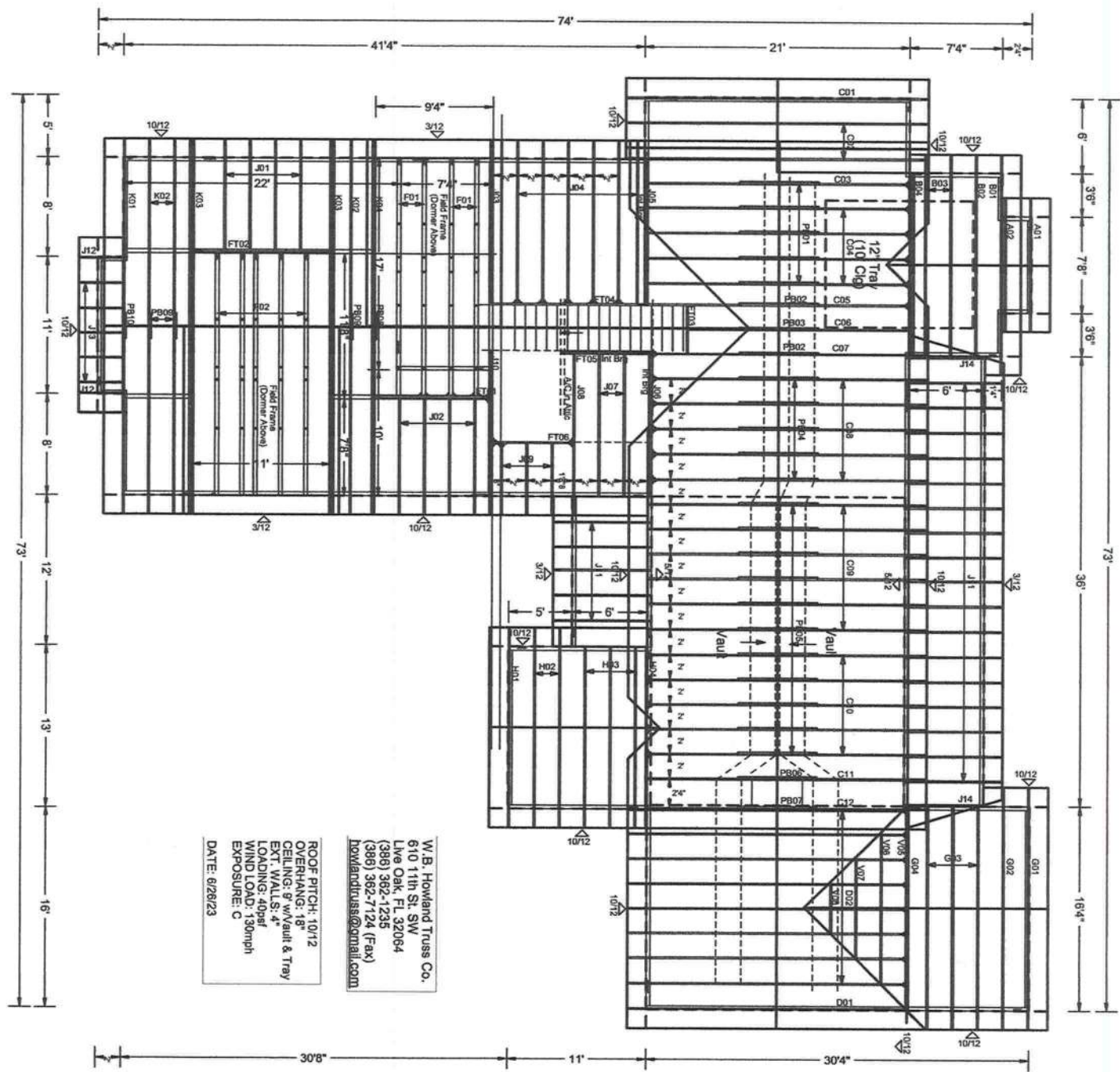


73



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

ROOF PITCH: 10/12
 OVERHANG: 18"
 CEILING: 8' w/Vault & Tray
 EXT. WALLS: 4"
 LOADING: 40psf
 WIND LOAD: 130mph
 EXPOSURE: C

DATE: 6/28/23

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



COA #0 278

Florida Certificate of Product Approval #PL 1999
07/12/2023



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 23-9546
Job Description: Gabriel	
Address: 1023 SW Cumorah Hill St, FORT WHITE, FL 32024	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 22.02.00
	JRef #: 1XRa2150003
Wind Standard: ASCE 7-16 Wind Speed (mph): 130	Design Loading (psf): 40.00, 55.00
Building Type: Closed	

This package contains general notes pages, 69 truss drawing(s) and 9 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	193.23.0822.46400	A01	2	193.23.0822.47877	A02
3	193.23.0847.31397	B01	4	193.23.0833.19280	B02
5	193.23.0833.20470	B03	6	193.23.0847.35700	B04
7	193.23.0833.24680	C01	8	193.23.0833.26030	C02
9	193.23.0824.02060	C03	10	193.23.0823.49900	C04
11	193.23.0823.27140	C05	12	193.23.0823.15570	C06
13	193.23.0823.31353	C07	14	193.23.0823.51880	C08
15	193.23.0823.54213	C09	16	193.23.0823.55657	C10
17	193.23.0823.58253	C11	18	193.23.0827.00830	C12
19	193.23.0827.02243	D01	20	193.23.0827.03557	D02
21	193.23.0827.05540	F01	22	193.23.0828.37643	F02
23	193.23.0847.37533	FT01	24	193.23.0847.38840	FT02
25	193.23.0823.21040	FT03	26	193.23.0823.44707	FT04
27	193.23.0847.40600	FT05	28	193.23.0847.41890	FT06
29	193.23.0847.43203	G01	30	193.23.0847.44330	G02
31	193.23.0847.45427	G03	32	193.23.0847.46497	G04
33	193.23.0833.30500	H01	34	193.23.0833.32083	H02
35	193.23.0833.33257	H03	36	193.23.0847.49280	H04
37	193.23.0822.50917	J01	38	193.23.0822.51933	J02
39	193.23.0822.52823	J03	40	193.23.0823.00387	J04
41	193.23.0823.01343	J05	42	193.23.0846.09640	J06
43	193.23.0845.59450	J07	44	193.23.0846.03540	J08
45	193.23.0833.50603	J09	46	193.23.0846.11063	J10
47	193.23.0846.12380	J11	48	193.23.0846.13497	J12
49	193.23.0846.14787	J13	50	193.23.0833.54370	J14

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COA #0 278

Florida Certificate of Product Approval #FL 1999
07/12/2023

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 23-9546
Job Description: Gabriel	
Address: 1023 SW Cumorah Hill St, FORT WHITE, FL 32024	

Item	Drawing Number	Truss
51	193.23.0846.28440	K01
53	193.23.0846.57720	K03
55	193.23.0845.36213	PB01
57	193.23.0845.38373	PB02
59	193.23.0845.40480	PB04
61	193.23.0845.42610	PB06
63	193.23.0845.44540	PB08
65	193.23.0845.46650	PB10
67	193.23.0845.49013	V06
69	193.23.0845.51030	V08
71	GBLLETIN0118	
73	STRBRIBR1014	
75	PB160160118	
77	VAL180160118	

Item	Drawing Number	Truss
52	193.23.0846.30733	K02
54	193.23.0847.17110	K04
56	193.23.0845.37343	PB01
58	193.23.0845.39390	PB03
60	193.23.0845.41607	PB05
62	193.23.0845.43677	PB07
64	193.23.0845.45617	PB09
66	193.23.0845.47987	V05
68	193.23.0845.49910	V07
70	A14015ENC160118	
72	BRCLBSUB0119	
74	CNNAILSP1014	
76	A14030ENC160118	
78	VALTN160118	

General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

FRT-PR = ProWood Fire Retardant Treated lumber.

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

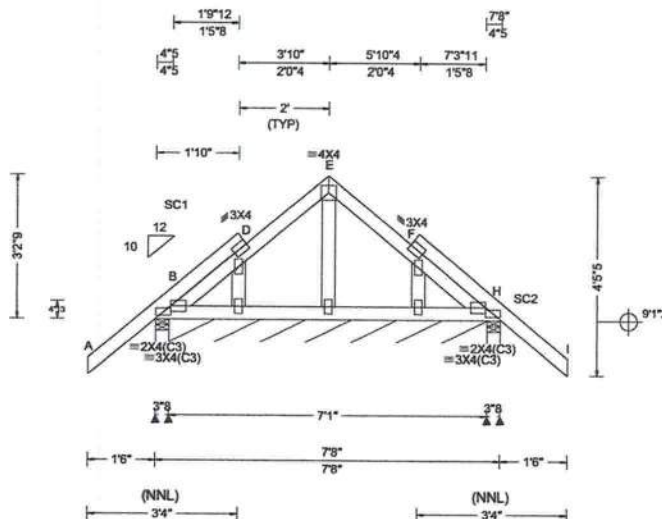
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 711093 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: A01	Cust: R 215 JRef: 1XRa2150003 T2 DrwNo: 193.23.0822.46400 SSB / WHK 07/12/2023
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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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.001 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.027 Max Web CSI: 0.028 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 259 /- /- /190 /39 /157 B* 50 /- /- /34 /7 /- H 259 /- /- /207 /36 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) B Brg Wid = 85.0 Min Req = - H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, B, & H are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Additional Notes

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.

The overall height of this truss excluding overhang is 3-2-9.



COA #07078

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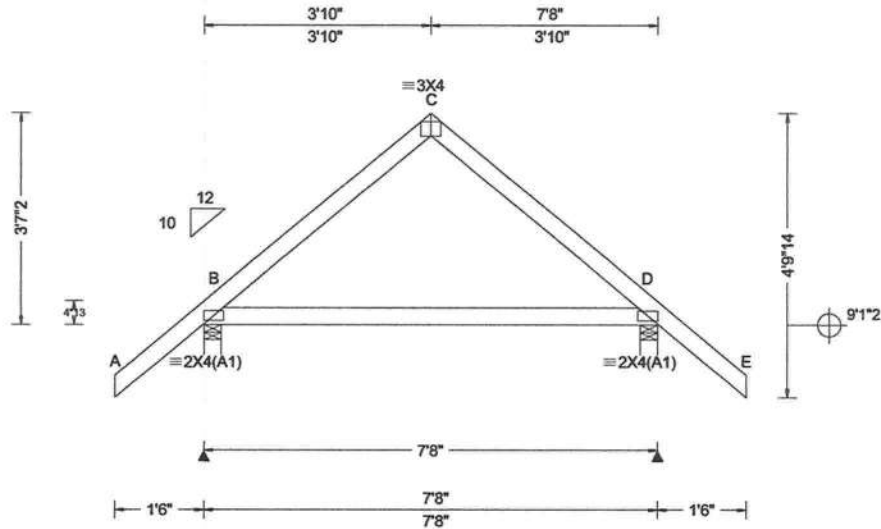
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 711095 FROM: CDM	COMN Qty: 1	Job Number: 23-9546 Gabriel Truss Label: A02	Cust: R215 JRef: 1XRa2150003 T1 DrwNo: 193.23.0822.47877 SSB / WHK 07/12/2023
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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): 0.002 B 999 240 VERT(CL): 0.009 B 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.012 D - - Creep Factor: 2.0 Max TC CSI: 0.282 Max BC CSI: 0.405 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 437 /- /- /302 /68 /164 D 437 /- /- /302 /68 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 3-7-2.



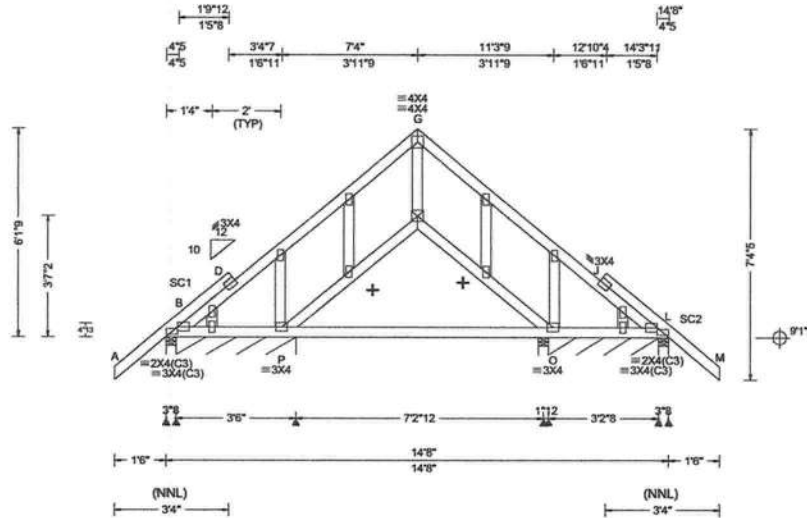
COA #07478

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

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SEQN: 711097 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: B01	Cust: R215 JRef: 1XRa2150003 T4 DrwNo: 193.23.0847.31397 SSB / WHK 07/12/2023
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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: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.010 H 999 240 VERT(CL): 0.021 H 999 180 HORZ(LL): 0.009 H - - HORZ(TL): 0.016 R - - Creep Factor: 2.0 Max TC CSI: 0.219 Max BC CSI: 0.377 Max Web CSI: 0.075 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 348 /- /- /232 /26 /245 B* 111 /- /- /79 /29 /- O 559 /- /- /280 /- /- O* 42 /-59 /- /13 /72 /- L 337 /- /- /211 /35 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) B Brg Wid = 42.0 Min Req = - O Brg Wid = 3.5 Min Req = 1.5 (Truss) O Brg Wid = 38.5 Min Req = - L Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, B, O, O, & L are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. P - O 438 -208

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

Plating Notes
All plates are 2X4 except as noted.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Wind loading based on both gable and hip roof types.
+ Member to be laterally braced for out of plane wind loads
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point)

Additional Notes
Negative reaction(s) of -189# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
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.
The overall height of this truss excluding overhang is 6'-1-9.



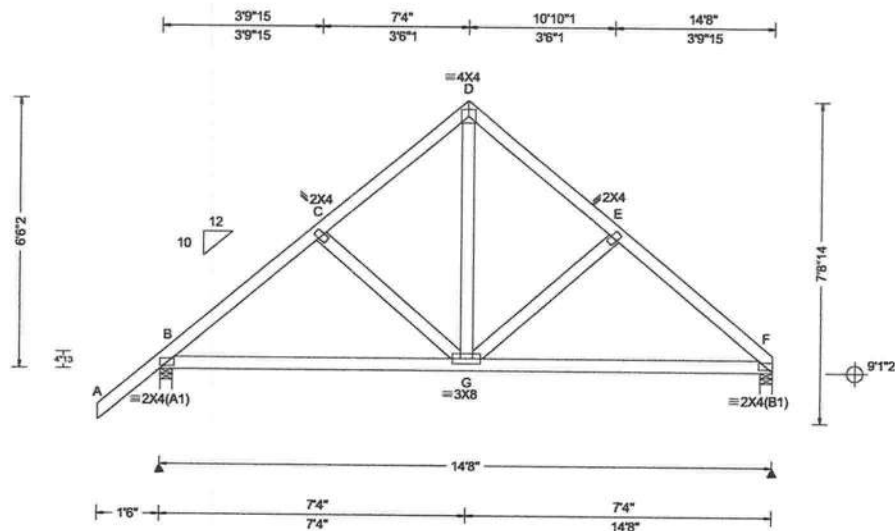
COA #0228

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

SEQN: 711099 FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: B02	Cust: R215 JRef: 1XRa2150003 T3 DrwNo: 193.23.0833.19280 SSB / WHK 07/12/2023
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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): 0.012 G 999 240 VERT(CL): 0.025 G 999 180 HORZ(LL): 0.006 F - - HORZ(TL): 0.012 F - - Creep Factor: 2.0 Max TC CSI: 0.234 Max BC CSI: 0.472 Max Web CSI: 0.171 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 744 /- /- /474 /114 /228 F 624 /- /- /373 /85 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 337 -739 D - E 348 -568 C - D 336 -565 E - F 354 -745

Lumber

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

Wind

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

Additional Notes

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



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - G	505 -178	G - F	521 -177

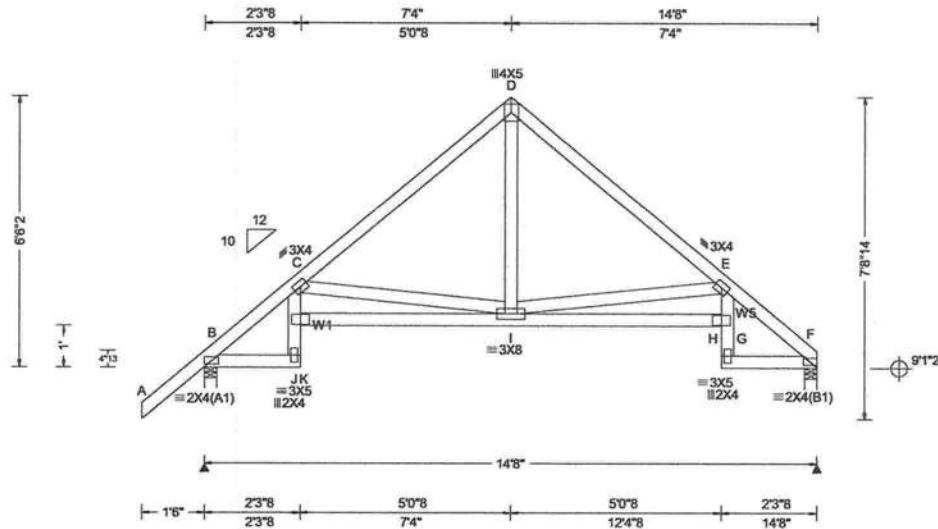
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - G	428 -237

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North Building, 4th Floor
Glenview, IL 60025

SEQN: 711101 FROM: CDM	COMN Qty: 2	Job Number: 23-9546 Gabriel Truss Label: B03	Cust: R 215 JRef: 1XRa2150003 T7 DrwNo: 193.23.0833.20470 SSB / WHK 07/12/2023
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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): 0.067 I 999 240 VERT(CL): 0.142 I 999 180 HORZ(LL): 0.104 F - - HORZ(TL): 0.221 F - - Creep Factor: 2.0 Max TC CSI: 0.477 Max BC CSI: 0.508 Max Web CSI: 0.482 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 744 -/- /- /474 /114 /228 F 624 -/- /- /373 /85 -/- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 337 -778 D - E 329 -697 C - D 314 -697 E - F 377 -810

Lumber Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; W1,W5 2x4 SP M-31;	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types.	Additional Notes The overall height of this truss excluding overhang is 6-6-2.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 536 -232 I - G 1169 -496 J - I 1092 -471 H - F 576 -246 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - I 451 -631 I - E 505 -709 D - I 428 -103
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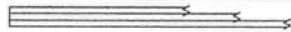
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07/12/2023
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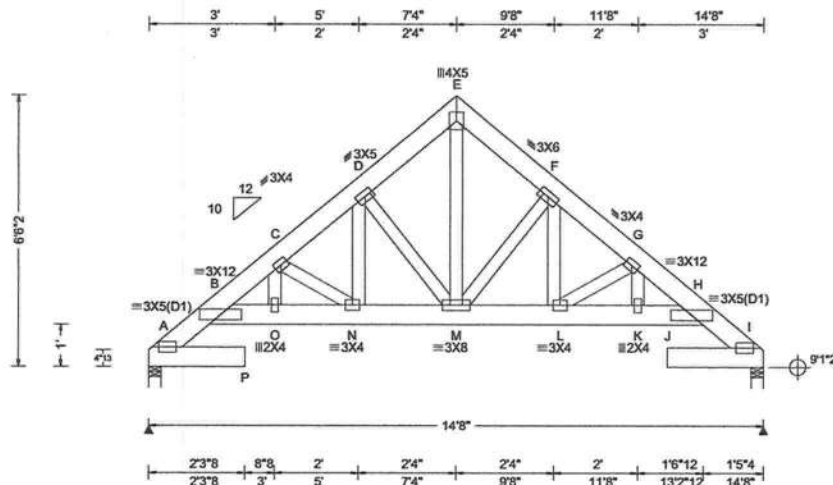


155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711822 FROM: CDM	COMN Qty: 1	Ply: 3 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: B04	Cust: R 215 JRef: 1XRa2150003 T69 DrwNo: 193.23.0847.35700 SSB / WHK 07/12/2023
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3 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: 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): 0.210 J 821 240 VERT(CL): 0.418 J 412 180 HORZ(LL): 0.163 I - - HORZ(TL): 0.325 I - - Creep Factor: 2.0 Max TC CSI: 0.612 Max BC CSI: 0.449 Max Web CSI: 0.541 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 3943 -/- /- /328 -/ I 3454 -/- /- /214 -/ Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.6 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & 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. A - B 41 -639 E - F 86 -1243 B - C 130 -2046 F - G 139 -1856 C - D 120 -1829 G - H 162 -1977 D - E 86 -1243 H - I 63 -559

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.50" o.c.
Webs: 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at 0.09 to 66 plf at 14.58
BC: From 10 plf at 0.00 to 10 plf at 12.38
BC: From 20 plf at 12.38 to 20 plf at 14.67
BC: 891 lb Conc. Load at 0.94
BC: 914 lb Conc. Load at 2.94, 4.94, 6.94, 8.94
BC: 971 lb Conc. Load at 10.60
BC: 754 lb Conc. Load at 12.60

Wind

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

Additional Notes

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

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.



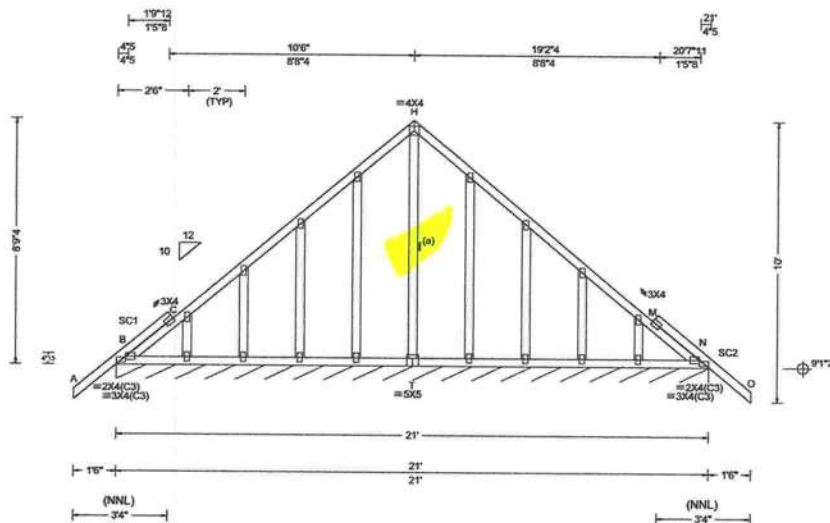
COA #0278

07/12/2023
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711104 FROM: CDM	GABL Qty: 1	Ply: 1 Job Number: 23-9546 Gabriel Truss Label: C01	Cust: R 215 JRef: 1XRa2150003 T6 DrwNo: 193.23.0833.24680 SSB / WHK 07/12/2023
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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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 H 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): 0.003 I - - HORZ(TL): 0.005 I - - Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.070 Max Web CSI: 0.136 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL N* 96 /- /- /53 /14 /15 Wind reactions based on MWFRS N Brg Wid = 252 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 287 -418 M - N 287 -418

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;

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.
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.

The overall height of this truss excluding overhang is 8-9-4.



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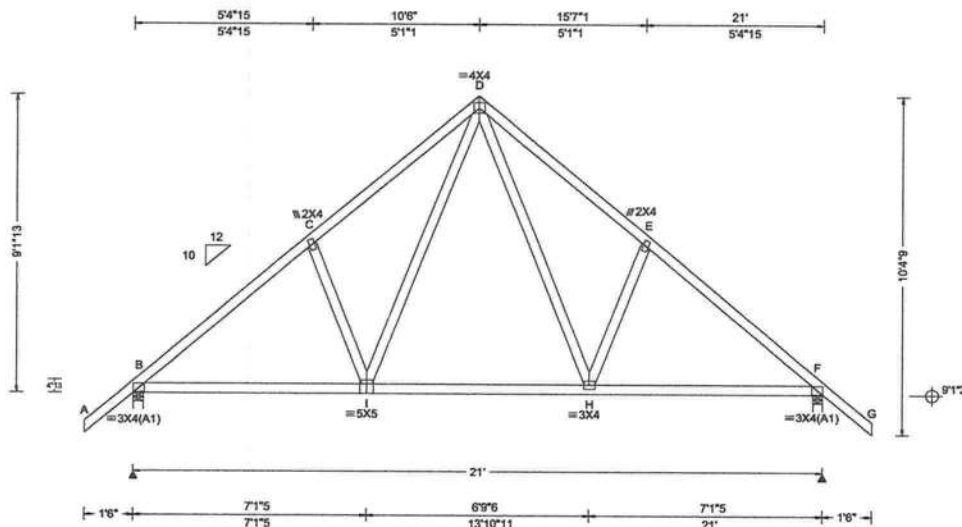
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711107 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 23-9546 Gabriel Truss Label: C02	Cust: R215 JRef: 1XRa2150003 T5 DrwNo: 193.23.0833.26030 SSB / WHK 07/12/2023
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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): 0.032 H 999 240 VERT(CL): 0.063 H 999 180 HORZ(LL): 0.015 C - - HORZ(TL): 0.030 C - - Creep Factor: 2.0 Max TC CSI: 0.335 Max BC CSI: 0.528 Max Web CSI: 0.394 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1084 - / - / 634 / 150 / 331 F 1084 - / - / 634 / 150 / - Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 359 -1240 D - E 490 -1109 C - D 490 -1108 E - F 359 -1241

Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-1-13".



COA #0278

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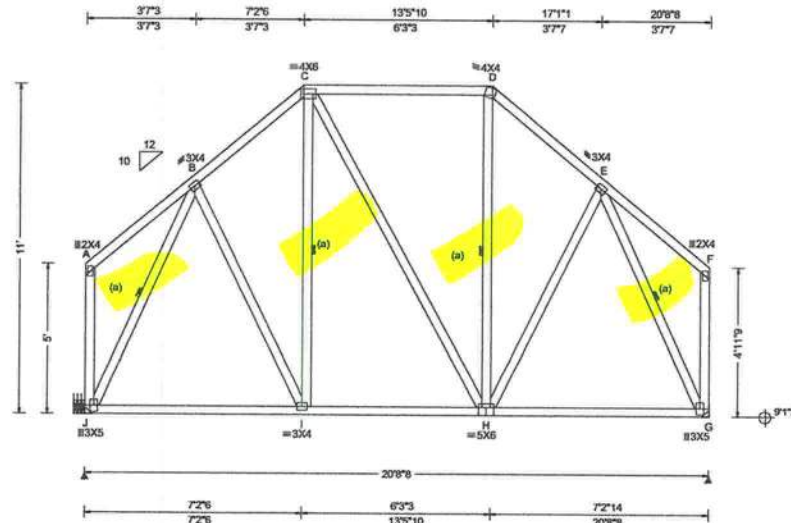
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711818 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: C03	Cust: R215 JRef: 1XRa2150003 T26 DrwNo: 193.23.0824.02060 SSB / WHK 07/12/2023
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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: 17.08 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.008 F - - HORZ(TL): 0.017 F - - Creep Factor: 2.0 Max TC CSI: 0.468 Max BC CSI: 0.521 Max Web CSI: 0.360 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 891 /- /- /482 /136 /182 G 891 /- /- /483 /135 /- Wind reactions based on MWFRS J Brg Wid = - Min Req = - G Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 367 -604 D - E 368 -607 C - D 349 -416

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

Purlins

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

Wind

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

Additional Notes

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



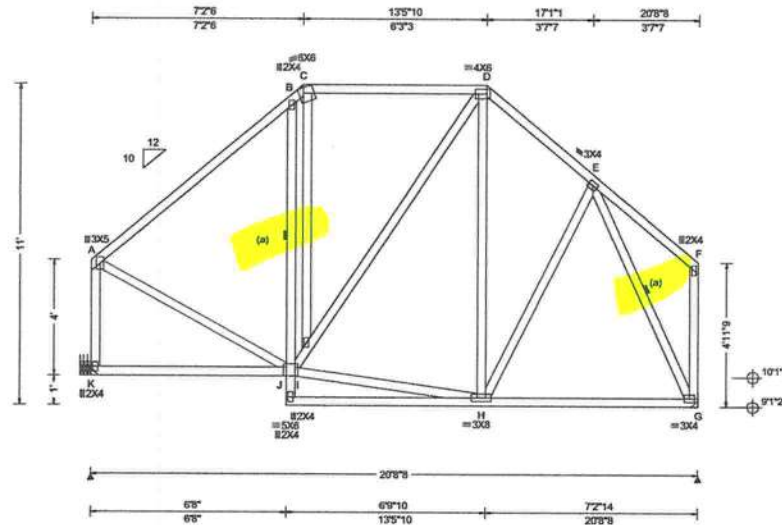
COA #07122023

Florida Certificate of Product Approval #FL 1999

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****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 711815 FROM: CDM	COMN Qty: 4	Job Number: 23-9546 Gabriel Truss Label: C04	Cust: R215 JRef: 1XRa2150003 T71 DrwNo: 193.23.0823.49900 SSB / WHK 07/12/2023
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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: 18.38 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 B 999 240 VERT(CL): 0.039 B 999 180 HORZ(LL): -0.017 B - - HORZ(TL): 0.026 B - - Creep Factor: 2.0 Max TC CSI: 0.695 Max BC CSI: 0.650 Max Web CSI: 0.494 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 914 /- /- /505 /15 /183 G 998 /- /- /506 /15 /- Wind reactions based on MWFRS K Brg Wid = - Min Req = - G Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 82 -762 C - D 175 -487 B - C 211 -593 D - E 148 -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.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Purlins

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

Wind

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

Additional Notes

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



COA #02278

07/12/2023 Florida Certificate of Product Approval #FL 1999

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



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

The diagram shows a truss structure with the following dimensions and labels:

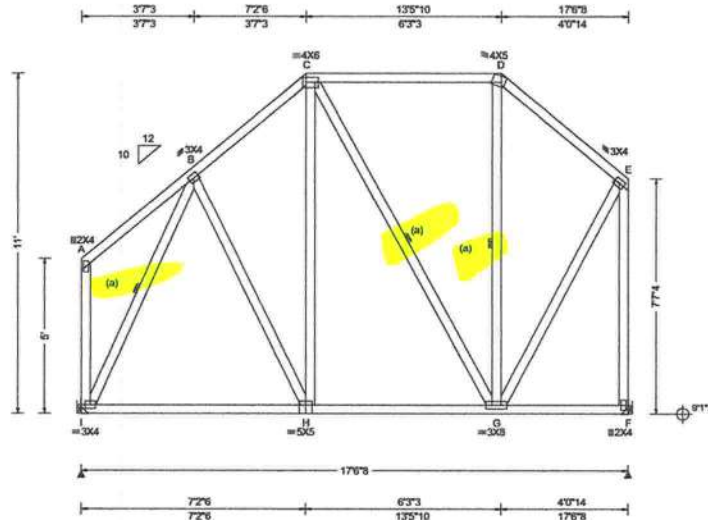
- Horizontal Dimensions (Top):** 7'2" (72" total), 13'5" (63'3" total), 17'4" (31'1" total), 20'8" (33'15" total).
- Vertical Dimensions (Left):** 11' (total), 4' (partial), 1' (partial).
- Vertical Dimensions (Right):** 4'11" (total), 10'1" (partial), 9'1" (partial).
- Horizontal Dimensions (Bottom):** 6'8" (68" total), 6'9" (13'5" total), 3'11" (17'4" total), 3'2" (20'8" total).
- Labels:**
 - Members: 30X5, 40X5, 40X10, 82X4, 82X10, 7X10, B3, B330.
 - Nodes: A, B, C, D, E, F, G, H, I, J, K, L.
 - Other: (a) (three locations), 10/12 slope triangle.

Lumber		Maximum Bot Chord Forces Per Ply (lbs)					
Top chord: 2x4 SP #2;		Chords	Tens.	Comp.	Chords	Tens.	Comp.
Bot chord: 2x4 SP #2; B3 2x6 SP #2;		I - H	530	-70	H - G	523	-70
Webs: 2x4 SP #3;							
Bracing		Maximum Web Forces Per Ply (lbs)					
(a) Continuous lateral restraint equally spaced on member.		Webs	Tens.	Comp.	Webs	Tens.	Comp.
Special Loads		A - L	210	-902	H - E	554	0
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)		A - J	570	-107	E - G	177	-1314
TC: From 66 plf at 0.00 to 66 plf at 20.71		J - I	511	-77			
BC: From 20 plf at 0.00 to 20 plf at 20.71							
BC: 532 lb Conc. Load at 17.60							

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

SEQN: 711159 FROM: CDM	COMN Qty: 1	Job Number: 23-9546 Gabriel Truss Label: C06	Cust: R 215 JRef: 1XRa2150003 T31 DrwNo: 193.23.0823.15570 SSB / WHK 07/12/2023
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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: 18.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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 H 999 240 VERT(CL): 0.020 H 999 180 HORZ(LL): 0.005 E - - HORZ(TL): 0.010 E - - Creep Factor: 2.0 Max TC CSI: 0.438 Max BC CSI: 0.529 Max Web CSI: 0.779 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL I 754 /- /- /429 /- /173 F 753 /- /- /453 /- /- Wind reactions based on MWFRS I Brg Wid = - Min Req = - F Brg Wid = - Min Req = - Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 127 -485 D - E 76 -380

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Additional Notes

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



COA #0278

07/12/2023 Florida Certificate of Product Approval #FL 1999

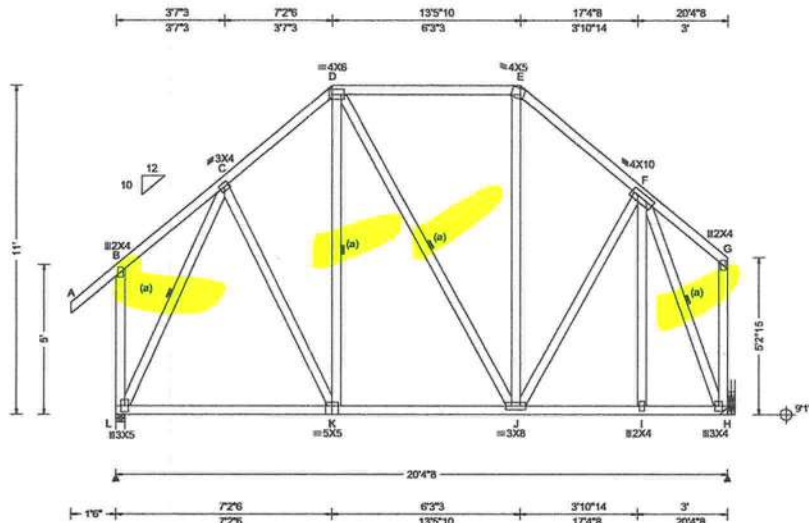
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711759 FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: C07	Cust: R 215 JRef: 1XRa2150003 T40 DrwNo: 193.23.0823.31353 SSB / WHK 07/12/2023
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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: 16.47 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.015 999 240 VERT(CL): 0.031 999 180 HORZ(LL): 0.010 G - - HORZ(TL): 0.021 G - - Creep Factor: 2.0 Max TC CSI: 0.524 Max BC CSI: 0.541 Max Web CSI: 0.430 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL L 1060 /- /- /- /206 /- H 1332 /- /- /- /169 /- Wind reactions based on MWFRS L Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = - Min Req = - Bearing L is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 117 -646 E - F 127 -699 D - E 74 -482

Lumber

Top chord: 2x4 SP #2;
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 66 plf at -1.50 to 66 plf at 20.38
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 20.38
BC: 532 lb Conc. Load at 17.60

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

Additional Notes

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



COA #07122023

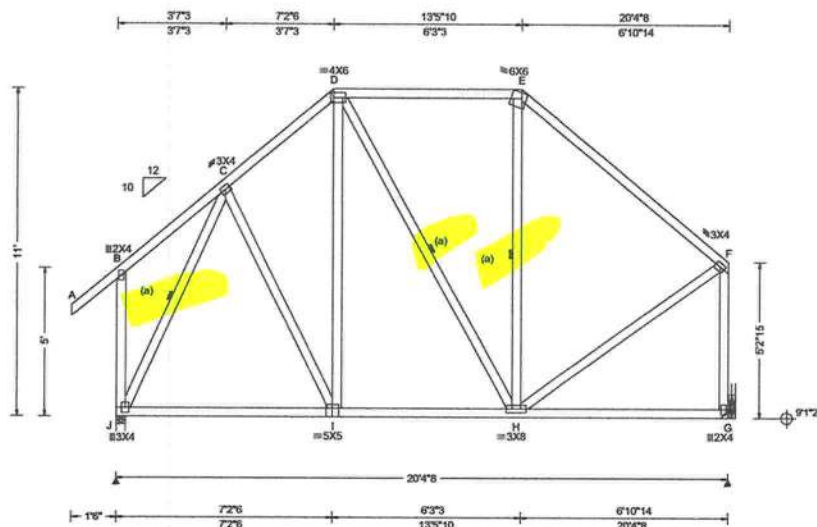
Florida Certificate of Product Approval #FL 1999

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

SEQN: 711756 FROM: CDM	COMN Ply: 1 Qty: 5	Job Number: 23-9546 Gabriel Truss Label: C08	Cust: R 215 JRef: 1XRa2150003 T39 DrwNo: 193.23.0823.51880 SSB / WHK 07/12/2023
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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: 17.77 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.015 I 999 240 VERT(CL): 0.028 I 999 180 HORZ(LL): 0.006 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.800 Max BC CSI: 0.654 Max Web CSI: 0.470 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J 1173 /- /- /603 /- /225 G 962 /- /- /567 /- /- Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 (Truss) G Brg Wid = - Min Req = - Bearing J is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 152 -709 E - F 73 -733 D - E 150 -470

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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



COA #00278

07/12/2023
Florida Certificate of Product Approval #FL 1999

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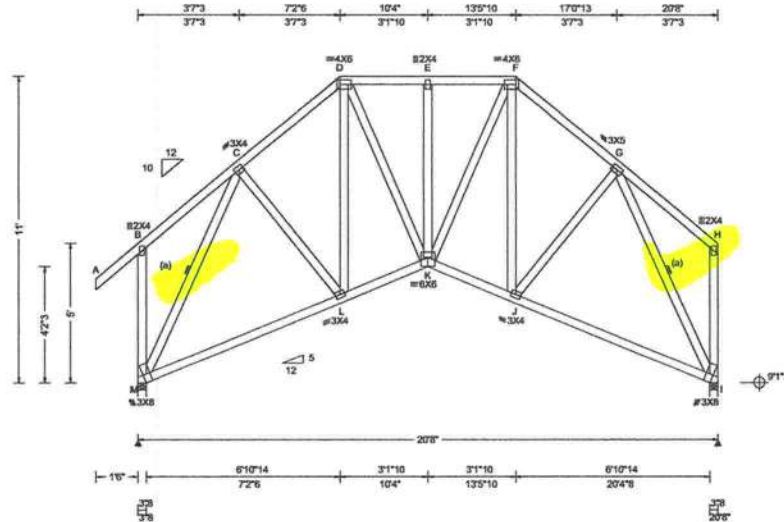
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711799 FROM: CDM	COMN Qty: 6	Ply: 1 Qty: 6	Job Number: 23-9546 Gabriel Truss Label: C09	Cust: R 215 JRef: 1XRa2150003 T67 DrwNo: 193.23.0823.54213 SSB / WHK 07/12/2023
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Loading Criteria (psf) TCCL: 20.00 TCDL: 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 Criteria Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.47 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Snow Criteria (Pg,Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/defl L/# VERT(LL): 0.024 E 999 240 VERT(CL): 0.051 E 999 180 HORZ(LL): 0.028 I - - HORZ(TL): 0.060 I - - Creep Factor: 2.0 Max TC CSI: 0.195 Max BC CSI: 0.599 Max Web CSI: 0.387 VIEW Ver: 22.02.00.0914.12	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1017 /- /- /580 /28 /227 I 902 /- /- /494 /18 /- Wind reactions based on MWFRS M Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings M & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 428 -812 E - F 455 -716 D - E 455 -716 F - G 418 -819
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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 structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

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



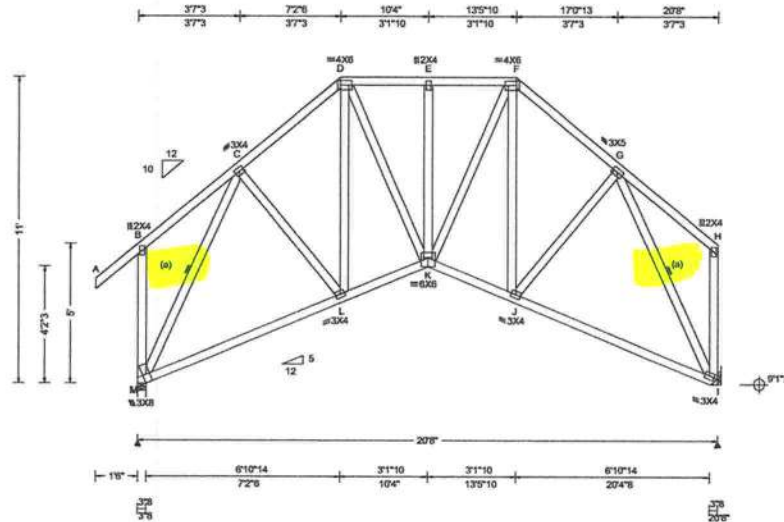
COA #0278

07/12/2023
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AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711805 FROM: CDM	COMN Qty: 5	Job Number: 23-9546 Gabriel Truss Label: C10	Cust: R215 JRef: 1XRa2150003 T84 DrwNo: 193.23.0823.55657 SSB / WHK 07/12/2023
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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: 17.77 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.023 E 999 240 VERT(CL): 0.051 E 999 180 HORZ(LL): 0.028 I - - HORZ(TL): 0.060 I - - Creep Factor: 2.0 Max TC CSI: 0.195 Max BC CSI: 0.599 Max Web CSI: 0.386 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1016 /- /- /595 /- /229 I 901 /- /- /509 /- /- Wind reactions based on MWFRS M Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = - Min Req = - Bearing M 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. C - D 123 -811 E - F 100 -715 D - E 100 -715 F - G 112 -818

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

Purlins

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

Wind

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

Additional Notes

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



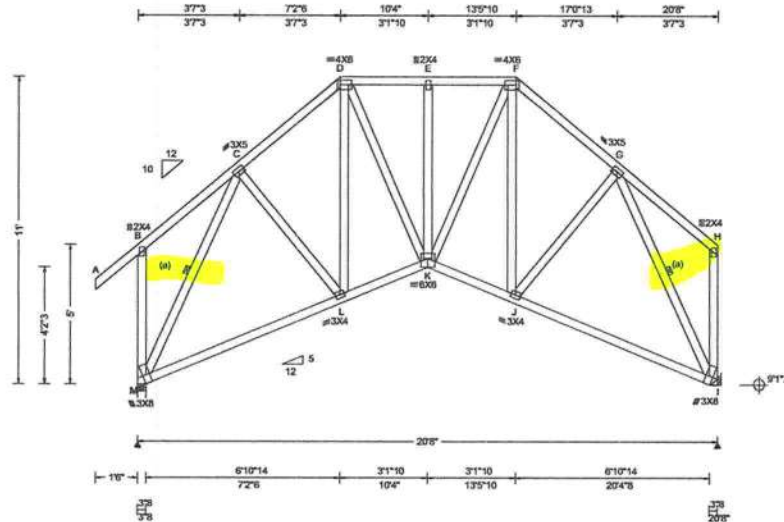
COA #00075

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Glenview, IL 60025

SEQN: 711807 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: C11	Cust: R215 JRef: 1XRa2150003 T37 DrwNo: 193.23.0823.58253 SSB / WHK 07/12/2023
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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: 30.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 11.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.029 E 999 240 VERT(CL): 0.064 E 999 180 HORZ(LL): 0.035 I - - HORZ(TL): 0.075 I - - Creep Factor: 2.0 Max TC CSI: 0.283 Max BC CSI: 0.844 Max Web CSI: 0.483 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1271 - / - / 743 - / 286 I 1127 - / - / 636 - / - Wind reactions based on MWFRS M Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = - Min Req = - Bearing M 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. C - D 153 -1014 E - F 125 -894 D - E 125 -894 F - G 140 -1022

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

Wind

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

Additional Notes

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



COA #0428

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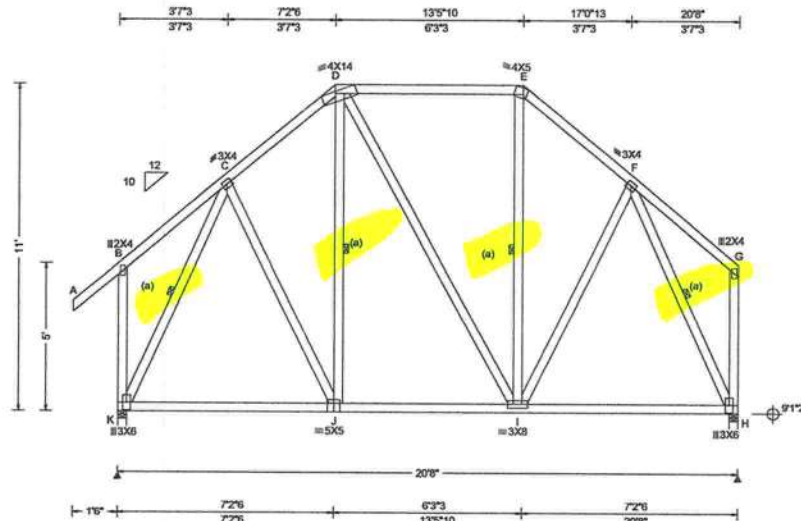
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Glenview, IL 60025

SEQN: 711809 FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: C12	Cust: R 215 JRef: 1XRa2150003 T19 DrwNo: 193.23.0827.00830 SSB / WHK 07/12/2023
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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: 30.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.47 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 11.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 E 999 240 VERT(CL): 0.028 E 999 180 HORZ(LL): 0.010 G - - HORZ(TL): 0.021 G - - Creep Factor: 2.0 Max TC CSI: 0.674 Max BC CSI: 0.744 Max Web CSI: 0.477 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K 1250 /- /- /712 /41 /284 H 1106 /- /- /603 /30 /- Wind reactions based on MWFRS K Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings 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. C - D 437 -740 E - F 429 -751 D - E 409 -514

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

Wind

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

Additional Notes

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



COA #0278

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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
K - J	439 -172	I - H	420 -136
J - I	509 -148		

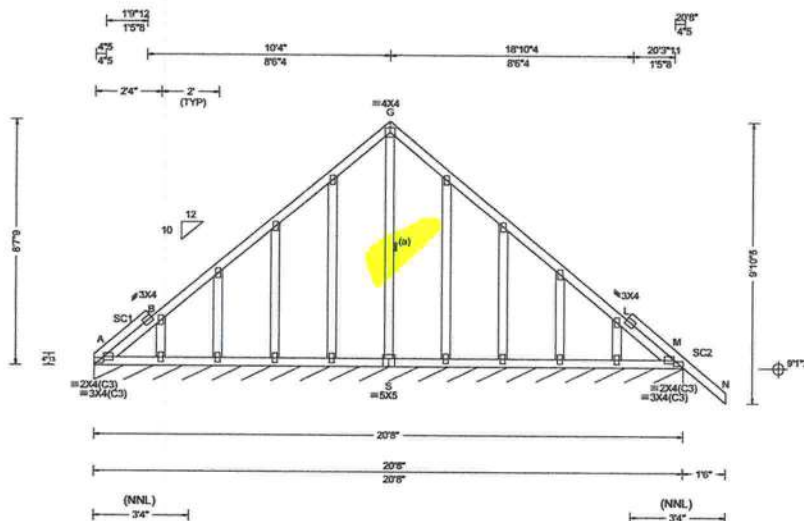
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
K - C	227 -974	F - H	324 -1001

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Glenview, IL 60025

SEQN: 711119 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: D01	Cust: R 215 JRef: 1XRa2150003 T15 DrwNo: 193.23.0827.02243 SSB / WHK 07/12/2023
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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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 G 999 240 VERT(CL): 0.003 M 999 180 HORZ(LL): 0.003 I - - HORZ(TL): 0.004 H - - Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.073 Max Web CSI: 0.131 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M* 91 /- /- /53 /12 /14 Wind reactions based on MWFRS M Brg Wid = 248 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. L - M 283 -422

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;

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.
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.

The overall height of this truss excluding overhang is 8'-7-9.



COA #07122023

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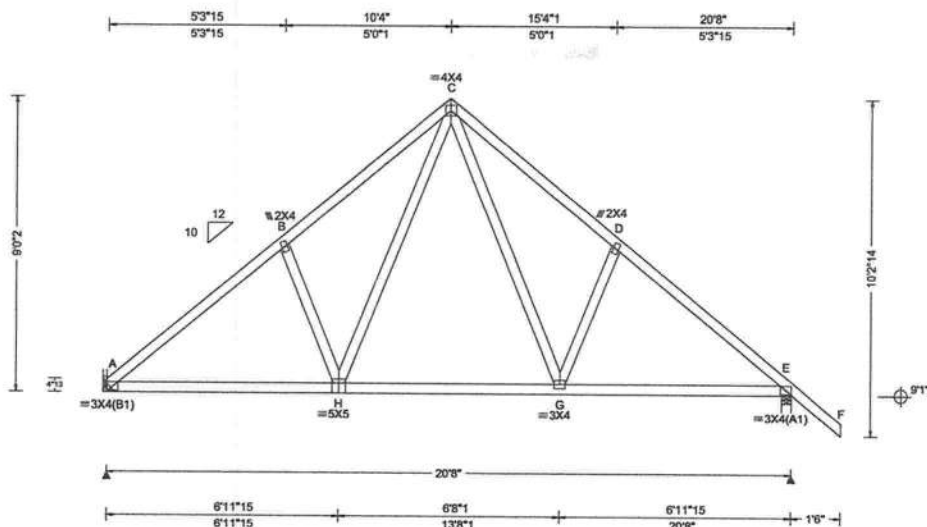
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



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): 0.030 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.060 G 999 180	A 955 /- /- /526 /123 /303
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 B - -	E 1073 /- /- /626 /150 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 B - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = - Min Req = -
Softit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.329	E Brg Wid = 3.5 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.502	Bearing E is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.411	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	VIEW Ver: 22.02.00.0914.12	A - B 380 -1236 C - D 494 -1096
	Wind Duration: 1.60			

Lumber

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

Hangars / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 9-0-2.



COA #0278

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▲ Maximum Reactions (lbs)

Loc	Gravity			Non-Gravity		
	R+	/R-	/Rh	/Rw	/U	/RL
A	955	/-	/-	/526	/123	/303
E	1073	/-	/-	/626	/150	/-

Wind reactions based on MWFRS

A Brg Wid = - Min Reg = -

E Brg Wid = 3.5 Min Req = 1.5 (Truss)

Bearing E is a rigid surface.

Members not listed have forces less than 37

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens.Comp.
--------	------------	--------	------------

Energy	Temp.	Energy	Temp.
1.0	200	1.0	200

A - B	380 - 1236	C - D	494 - 1096
B - C	516 - 1111	D - E	363 - 1226

Maximum Bot Chord Forces Per Ply (lbs)

	Chords	Tens.Comp.	Chords	Tens. Comp.
--	--------	------------	--------	-------------

A - H	873	-145	G - E	857	-96
H - G	584	-63			

Maximum Web Forces Per Ply (lbs)

Maximum Web Forces Per Fly (lbs)			
Wings	Tens. Comp.	Wings	Tens. Comp.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
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94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

H - C	517	-248	C - G	489	-225
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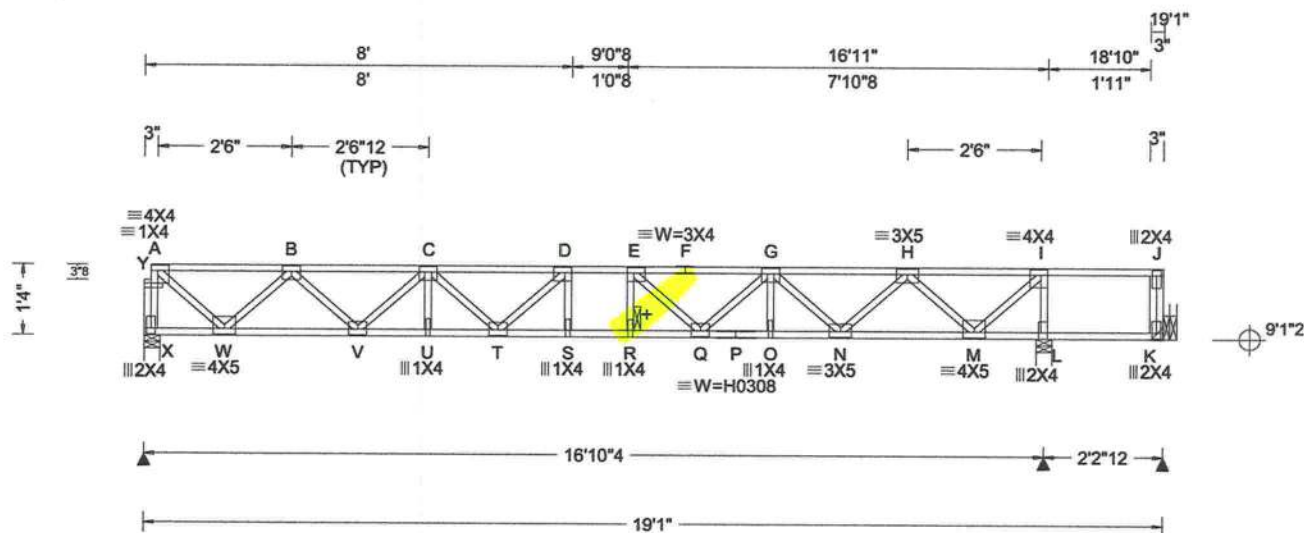
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155 Harlem Ave
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Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00	Wind Std: NA	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: NA mph	Pf: NA Ce: NA	VERT(LL): 0.238 S 838 480	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: NA	Lu: NA Cs: NA	VERT(CL): 0.328 S 609 360	X 931 /- /- /- /- /- /-
BCDL: 5.00	Category: NA	Snow Duration: NA	HORZ(LL): 0.040 L - -	L 1097 /- /- /- /- /- /-
Des Ld: 55.00	EXP: NA Kzt: NA		HORZ(TL): 0.056 L - -	K 112 /-19 /- /- /- /- /-
NCBCLL: 10.00	Mean Height: NA ft	Building Code:	Creep Factor: 2.0	X Brg Wid = 3.5 Min Req = 1.5 (Truss)
Soffit: 0.00	TCDL: NA psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.549	L Brg Wid = 3.5 Min Req = 1.5 (Truss)
Load Duration: 1.00	BCDL: NA psf	TPI Std: 2014	Max BC CSI: 0.925	K Brg Wid = - Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: NA	Rep Fac: Yes	Max Web CSI: 0.560	Bearings X & L are a rigid surface.
	C&C Dist a: NA ft	FT/RT:12(0)/10(0)		Members not listed have forces less than 375#
	Loc. from endwall: NA	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)
	l: NA GCpi: NA	WAVE_HS	VIEW Ver: 22.02.00.0914.12	Chords Tens.Comp. Chords Tens. Comp.
	Wind Duration: NA			

Top chord: 4x2 SP #2;
Bot chord: 4x2 SP #2;
Webs: 4x2 SP #3:

All plates are 3X4 except as noted.

(J) Hanger Support Required, by others

+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.

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

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

W - V	1672	0	R - Q	3109	0
V - U	2694	0	Q - P	2661	0
U - T	2694	0	P - O	2661	0
T - S	3110	0	O - N	2661	0
S - R	3110	0	N - M	1592	0

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

Y - X	0	-921	E - Q	29	-456
A - Y	0	-901	Q - G	387	0
A - W	1176	0	G - N	0	-724
W - B	0	-1125	N - H	756	0
B - V	714	0	H - M	0	-1099
V - C	0	-691	M - I	1050	0
T - D	48	-436	I - L	0	-1007



COA #0278

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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

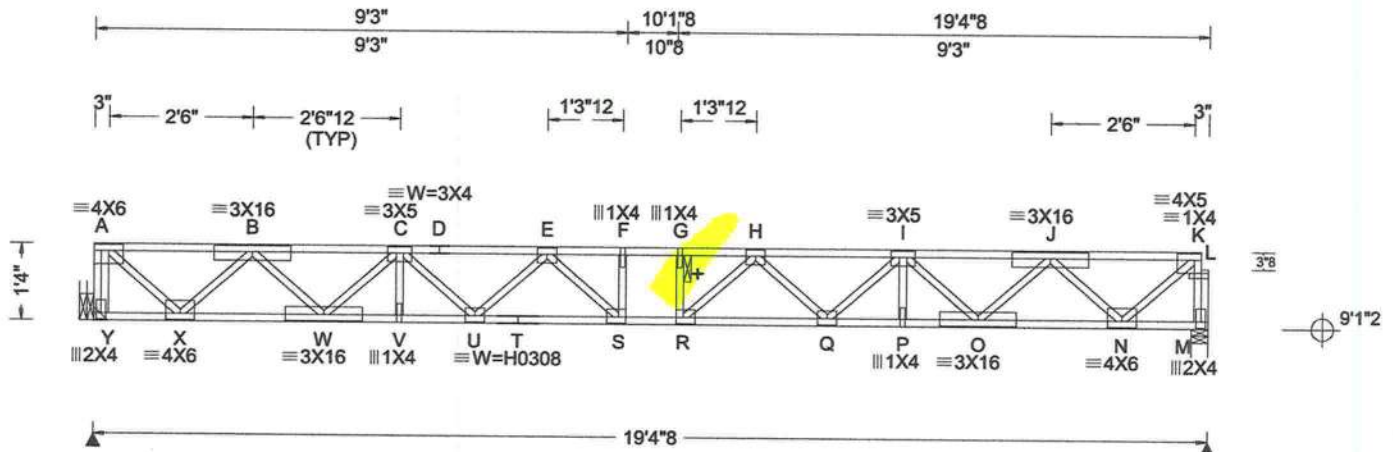
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior 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 continuous lateral restraint (CLR) with diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of brace 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: tpiinst.org; SBCA: sbaccomponents.com; ICC: iccsafe.org; AWC: awc.org



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: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	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: 12(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.340 G 668 480 VERT(CL): 0.468 G 485 360 HORZ(LL): 0.050 B - - HORZ(TL): 0.069 B - - Creep Factor: 2.0 Max TC CSI: 0.663 Max BC CSI: 0.470 Max Web CSI: 0.651 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Y 1069 - / - / - / - / - M 1050 - / - / - / - / - Y Brg Wid = - Min Req = - M Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing M 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 0 -958 F-G 0 -4056 B-C 0 -2565 G-H 0 -4051 C-D 0 -3603 H-I 0 -3622 D-E 0 -3603 I-J 0 -2599 E-F 0 -4051 J-K 0 -1005

Lumber
Top chord: 4x2 SP #2;
Bot chord: 4x2 SP M-31;
Webs: 4x2 SP #3;

Plating Notes
All plates are 3X4 except as noted.

Additional Notes
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-4-0.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
X-W 1907 0 S-R 4056 0
W-V 3224 0 R-Q 3950 0
V-U 3224 0 Q-P 3249 0
U-T 3939 0 P-O 3249 0
T-S 3939 0 O-N 1950 0

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
A-Y 0 -1058 H-Q 0 -456
A-X 1336 0 Q-I 506 0
X-B 0 -1320 I-O 0 -884
B-W 915 0 O-J 903 0
W-C 0 -896 J-N 0 -1315
C-U 516 0 N-K 1366 0
U-E 0 -467 K-L 0 -1029
E-S 445 -184 L-M 0 -1035
R-H 436 -194



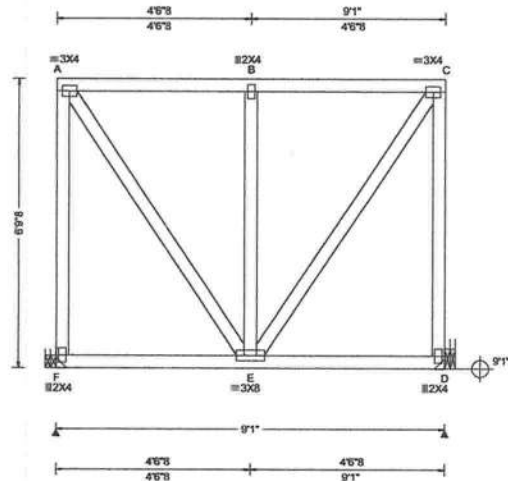
COA #0-278

07/12/2023
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****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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ALPINE
ANTW COMPANY
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):	0.007 B 999 240	Loc	R+ / R- / Rh		/ Rw / U / RL		
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	0.014 B 999 180	F	1101 /- /- /- /- /206 /-				
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.001 A - - -	D	954 /- /- /- /- /179 /-				
Des Ld:	40.00	EXP: C	Kzt: NA				HORZ(TL):	0.002 A - - -	Wind reactions based on MWFRS					
NCBCLL:	0.00	Mean Height:	15.88 ft			Building Code:	Creep Factor:	2.0	F	Brg Wid = -	Min Req = -			
Soffit:	2.00	TCDL:	5.0 psf			FBC 7th Ed. 2020 Res.	Max TC CSI:	0.087	D	Brg Wid = -	Min Req = -			
Load Duration:	1.25	BCDL:	5.0 psf			TPI Std: 2014	Max BC CSI:	0.750	Members not listed have forces less than 375#					
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2			Rep Fac: No	Max Web CSI:	0.170	Maximum Web Forces Per Ply (lbs)					
		C&C Dist a:	3.00 ft			FT/RT:20(0)/10(0)			Webs	Tens.Comp.	Webs	Tens. Comp.		
		Loc. from endwall:	Any			Plate Type(s):								
		GCpi:	0.18						A - F	77 -377	E - C	427 -80		
		Wind Duration:	1.60			WAVE			A - E	427 -80	C - D	77 -377		
								VIEW Ver: 22.02.00.0914.12						

Lumber

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

Nailnote

Nail Schedule: 0.131"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 30 plf at 0.00 to 30 plf at 9.08
BC: From 10 plf at 0.00 to 10 plf at 9.08
BC: 423 lb Conc. Load at 1.15, 3.15, 5.15, 7.15

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 6-9-8.



COA #07018

Florida Certificate of Product Approval #FL 1999

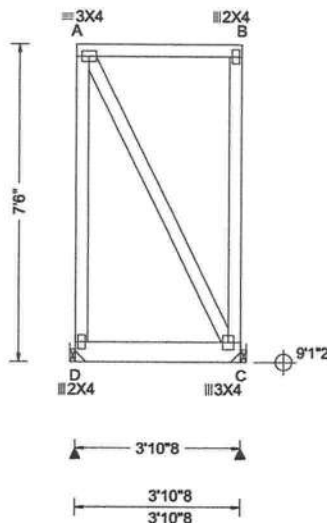
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 711163 FROM: CDM	FLAT Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: FT03	Cust: R 215 JRef: 1XRa2150003 T36 DrwNo: 193.23.0823.21040 SSB / WHK 07/12/2023
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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: 16.59 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 10.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.001 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.296 Max BC CSI: 0.832 Max Web CSI: 0.112 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL D 532 -/- -/- /7 -/ C 532 -/- -/- /7 -/ Wind reactions based on MWFRS D Brg Wid = - Min Req = - C Brg Wid = - Min Req = - Members not listed have forces less than 375#

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 3.88
BC: From 20 plf at 0.00 to 20 plf at 3.88
BC: 753 lb Conc. Load at 1.94

Purlins

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

Wind

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 7'-6".



COA #0028

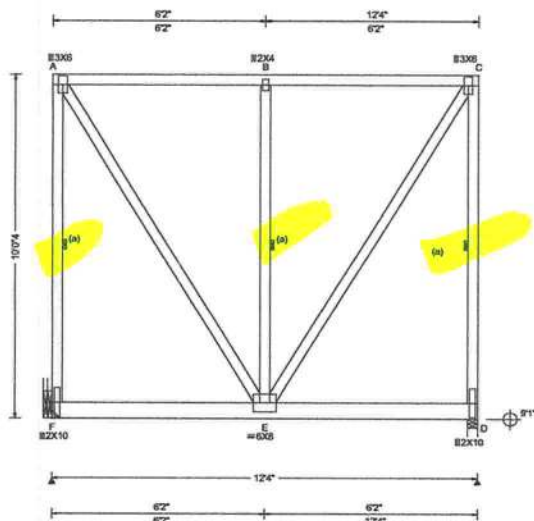
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 712202 FROM: CDM	FLAT Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: FT04	Cust: R215 JRef: 1XRa2150003 T45 DrwNo: 193.23.0823.44707 SSB / WHK 07/12/2023
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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: 19.11 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): 0.029 B 999 240 VERT(CL): 0.059 B 999 180 HORZ(LL): 0.004 A - - HORZ(TL): 0.008 A - - Creep Factor: 2.0 Max TC CSI: 0.417 Max BC CSI: 0.494 Max Web CSI: 0.775 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F 1929 -/- /- /482 -/ D 1544 -/- /- /387 -/ Wind reactions based on MWFRS F Brg Wid = - Min Req = - D Brg Wid = 3.5 Min Req = 1.5 (Truss) 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. A - B 172 -688 B - C 172 -688

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400F-2.0E;
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 30 plf at 0.00 to 30 plf at 10.10
TC: From 60 plf at 10.10 to 60 plf at 12.33
BC: From 10 plf at 0.00 to 10 plf at 10.10
BC: From 20 plf at 10.10 to 20 plf at 12.33
BC: 482 lb Conc. Load at 0.60, 2.10, 4.10, 6.10, 8.10, 10.10

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

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

Additional Notes
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 10-0.4.



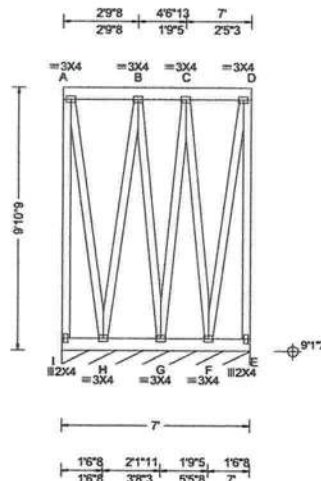
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 712195 FROM: CDM	FLAT Ply: 2 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: FT05	Cust: R 215 JRef: 1XRa2150003 T27 DrwNo: 193.23.0847.40600 SSB / WHK 07/12/2023
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2 Complete Trusses Required



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: 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: 18.97 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 12.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.011 Max BC CSI: 0.196 Max Web CSI: 0.015 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL E* 724 /- /- /- /61 /- Wind reactions based on MWFRS E Brg Wid = 84.0 Min Req = - Bearing I is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 30 plf at 0.00 to 30 plf at 7.00
BC: From 10 plf at 0.00 to 10 plf at 7.00
BC: 1560 lb Conc. Load at 1.94, 3.94
BC: 1670 lb Conc. Load at 5.94

Purlins

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

Wind

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 9'-10-9/16".



COA #0028

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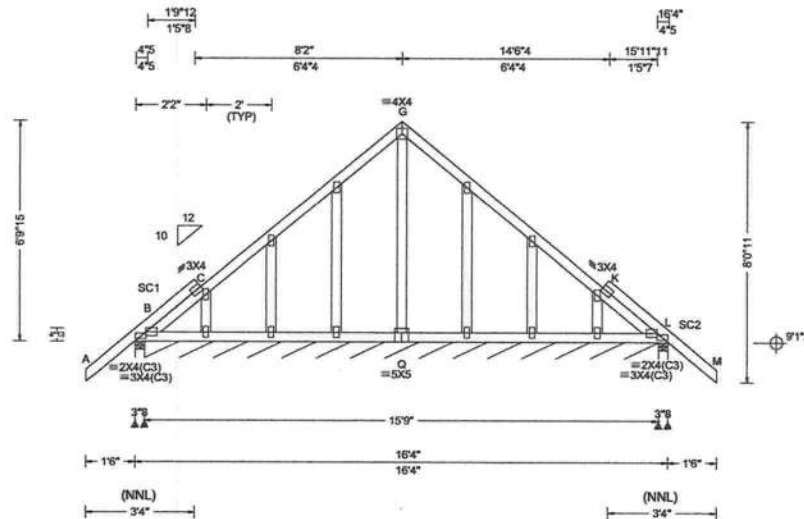
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

SEQN: 711110 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: G01	Cust: R 215 JRef: 1XRa2150003 T10 DrwNo: 193.23.0847.43203 SSB / WHK 07/12/2023
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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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.001 G 999 240 VERT(CL): 0.001 H 999 180 HORZ(LL): 0.003 H - - HORZ(TL): 0.004 H - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.038 Max Web CSI: 0.126 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 280 /- /- /165 /46 /266 B* 67 /- /- /41 /16 /- L 280 /- /- /195 /36 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) B Brg Wid = 189 Min Req = - L Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, B, & L are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

Additional Notes

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.

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



COA #0728

Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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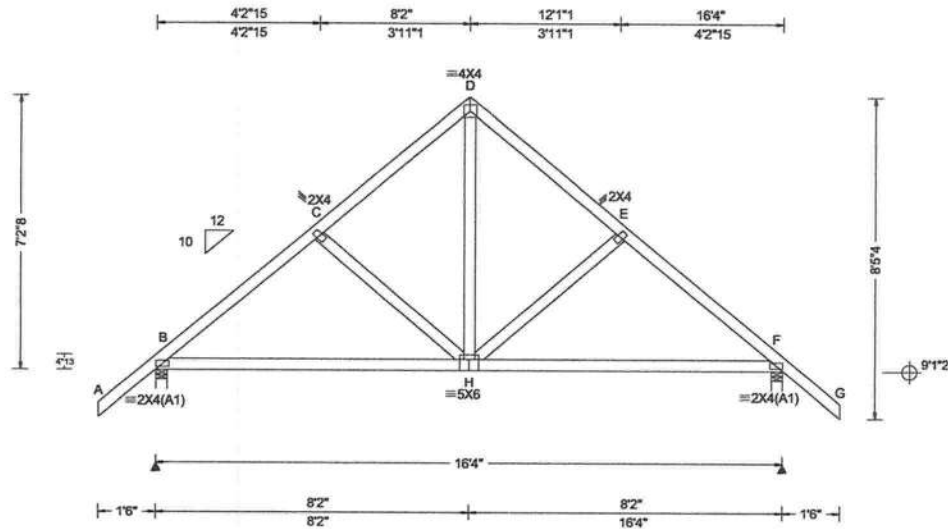
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711113 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: G02	Cust: R 215 JRef: 1XRa2150003 T9 DrwNo: 193.23.0847.44330 SSB / WHK 07/12/2023
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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): 0.015 H 999 240 VERT(CL): 0.031 H 999 180 HORZ(LL): 0.007 F - - HORZ(TL): 0.014 F - - Creep Factor: 2.0 Max TC CSI: 0.237 Max BC CSI: 0.566 Max Web CSI: 0.199 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 809 /- /- /516 /121 /273 F 809 /- /- /516 /121 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) F Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 346 -822 D - E 345 -626 C - D 344 -626 E - F 346 -822

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7-2-8.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	566 -129	H - F	566 -81

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
D - H	474 -223



COA #0478

07/12/2023 Florida Certificate of Product Approval #FL 1999

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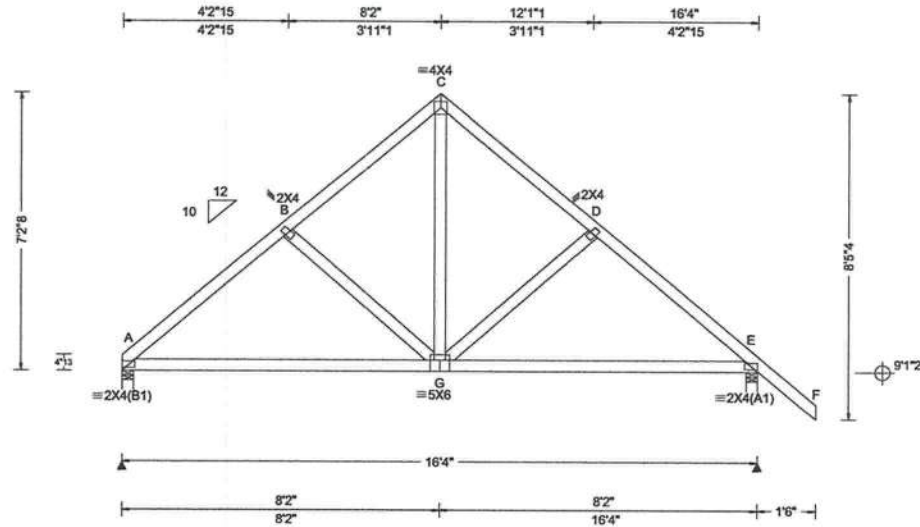
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711116 FROM: CDM	COMN Qty: 3	Ply: 1 Job Number: 23-9546 Gabriel Truss Label: G03	Cust: R215 JRef: 1XRa2150003 T11 DrwNo: 193.23.0847.45427 SSB / WHK 07/12/2023
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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: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.014 G 999 240 VERT(CL): 0.030 G 999 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.197 Max BC CSI: 0.576 Max Web CSI: 0.184 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 697 /- /- /416 /96 /249 E 815 /- /- /516 /124 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 210 -838 C - D 212 -636 B - C 218 -639 D - E 201 -832

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-2-8.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - G	588 -134	G - E	573 -22

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - G	482 -132



COA #0078

07/12/2023
Florida Certificate of Product Approval #FL 1999

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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	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): 0.001 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.001 E 999 180	B 282 /- /- /173 /36 /224
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.002 G - -	B* 62 /- /- /38 /13 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 G - -	J 282 /- /- /201 /28 /-
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: 0.231	B Brg Wid = 3.5 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.037	B Brg Wid = 148 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.049	J Brg Wid = 3.5 Min Req = 1.5 (Truss)
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearings B, B, & J are a rigid surface.
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.12	
	Wind Duration: 1.60			

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;

All plates are 2X4 except as noted.

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

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

Wind loading based on both gable and hip roof types.

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.

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



COA #0278

07/12/2023
Florida Certificate of Product Approval #FL 1999

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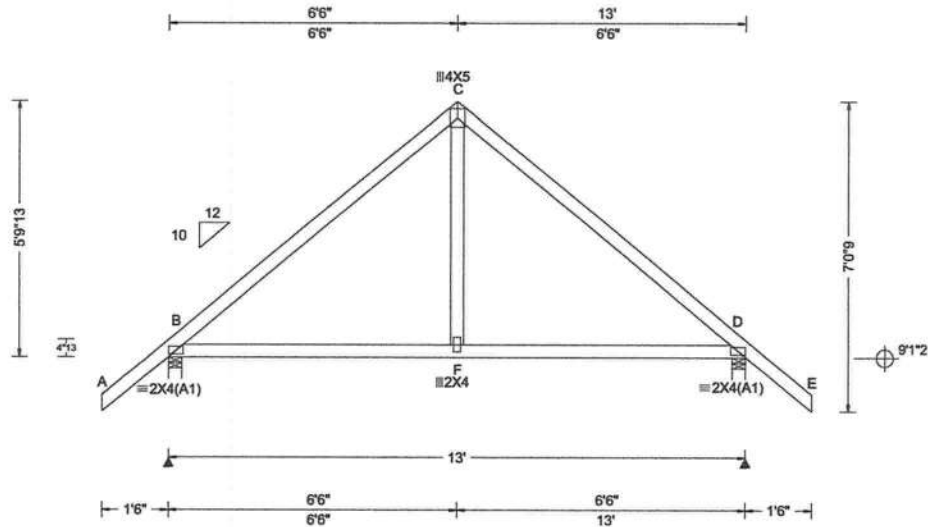
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711789 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 23-9546 Gabriel Truss Label: H02	Cust: R 215 JRef: 1XRa2150003 T13 DrwNo: 193.23.0833.32083 SSB / WHK 07/12/2023
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 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/defl L/# VERT(LL): 0.004 F 999 240 VERT(CL): 0.008 F 999 180 HORZ(LL): 0.006 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.507 Max BC CSI: 0.391 Max Web CSI: 0.111 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 666 /- /- /433 /101 /231 D 666 /- /- /433 /101 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & 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 284 -590 C - D 284 -590

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-9-13.



COA #0078

07/12/2023
Florida Certificate of Product Approval #FL 1999

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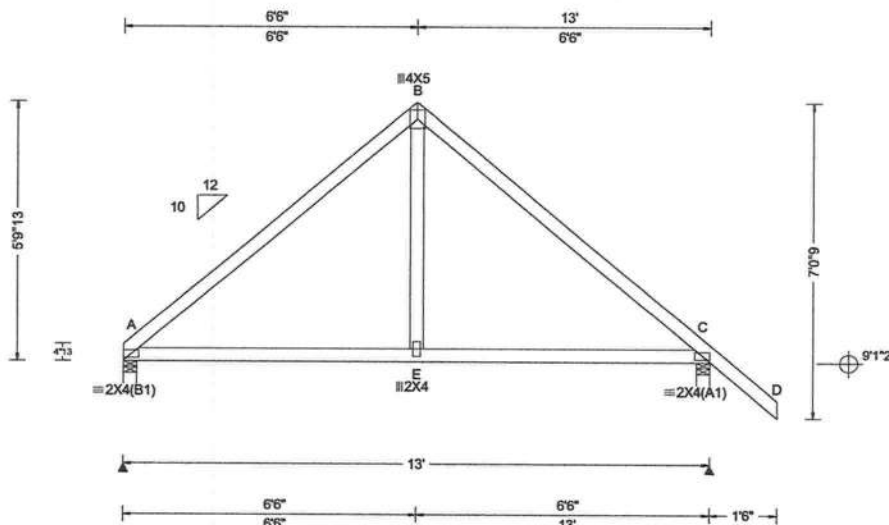
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711713 FROM: CDM	COMN Qty: 3	Job Number: 23-9546 Gabriel Truss Label: H03	Cust: R 215 JRef: 1XRa2150003 T62 DrwNo: 193.23.0833.33257 SSB / WHK 07/12/2023
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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): 0.005 A 999 240 VERT(CL): 0.009 A 999 180 HORZ(LL): 0.006 C - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.535 Max BC CSI: 0.401 Max Web CSI: 0.113 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 552 /- /- /334 /77 /208 C 674 /- /- /433 /104 /- Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 (Truss) C Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 301 -601 B - C 299 -606

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-9-13.



COA #07278

07/12/2023
Florida Certificate of Product Approval #FL 1999

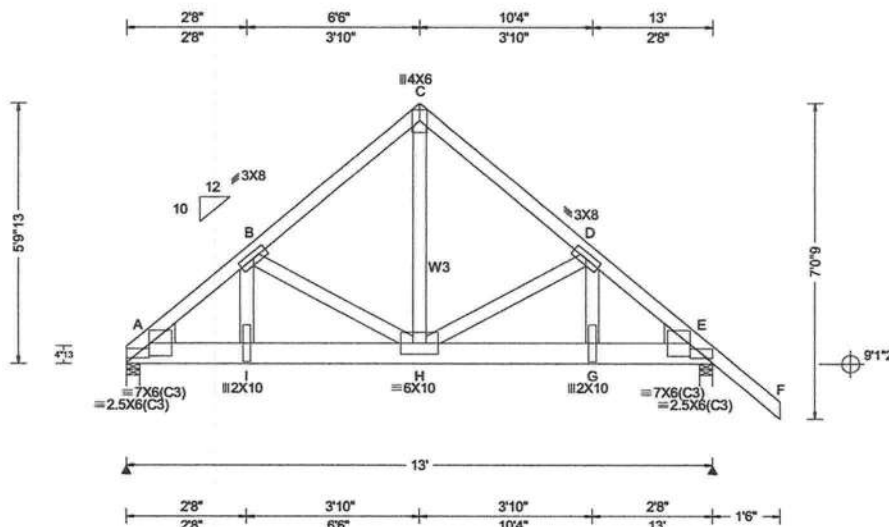
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



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): 0.058 H 999 180	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.115 H 999 180	A 3614 /- /- /108 /- /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.021 B - -	E 3139 /- /- /37 /- /-
	EXP: C Kzt: NA		HORZ(TL): 0.041 B - -	Wind reactions based on MWFRS
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = 3.5 Min Req = 3.0 (Truss)
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.472	E Brg Wid = 3.5 Min Req = 2.6 (Truss)
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.457	Bearings A & E are a rigid surface.
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.730	Members not listed have forces less than 375#
Spacing: 24.0 *	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.12	A - B 0 -4140 C - D 0 -2824
	Wind Duration: 1.60			

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC: From	66 plf at	0.00 to	66 plf at	14.50
BC: From	10 plf at	0.00 to	10 plf at	10.60
BC: From	20 plf at	10.60 to	20 plf at	13.00
BC: From	5 plf at	13.00 to	5 plf at	14.50
BC: 901 lb Conc. Load at	0.60, 2.60, 4.60, 6.60			8.60
BC: 1127 lb Conc. Load at	10.60			

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 5-9-13.



COA #0278

07/12/2023
Florida Certificate of Product Approval #FL 1999

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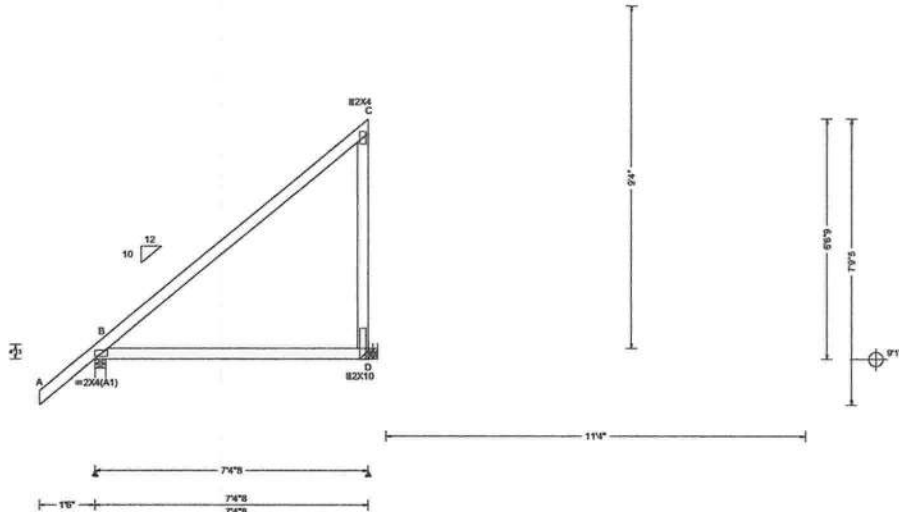
Notes page for structural modification:
 1. The manufacturer of the components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in accordance with this drawing, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page, attesting to the conformity with ANSI/TPI 1 or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page, attesting to the conformity with ANSI/TPI 1 listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

SEQN: 711258 FROM: CDM	ATIC Ply: 1 Qty: 4	Job Number: 23-9546 Gabriel Truss Label: J01	Cust: R215 JRef: 1XRa2150003 T49 DrwNo: 193.23.0822.50917 SSB / WHK 07/12/2023
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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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 B - - HORZ(TL): 0.031 B - - Creep Factor: 2.0 Max TC CSI: 0.964 Max BC CSI: 0.605 Max Web CSI: 0.156 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 444 /- /- /300 /- /181 D 298 /- /- /263 /75 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

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



COA #0278

07/12/2023
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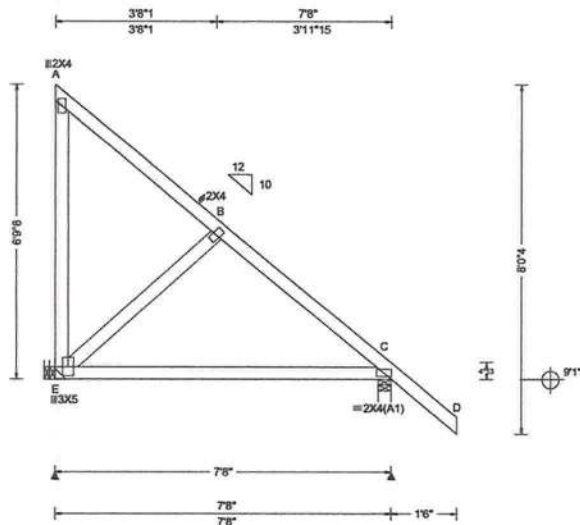
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711252 FROM: CDM	ATIC Qty: 4	Ply: 1 Qty: 4	Job Number: 23-9546 Gabriel Truss Label: J02	Cust: R 215 JRef: 1XRa2150003 T44 DnwNo: 193.23.0822.51933 SSB / WHK 07/12/2023
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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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 C 999 240 VERT(CL): 0.013 C 999 180 HORZ(LL): -0.004 C - - HORZ(TL): 0.013 C - - Creep Factor: 2.0 Max TC CSI: 0.253 Max BC CSI: 0.549 Max Web CSI: 0.107 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL E 311 /- /- /280 /78 /195 C 456 /- /- /273 /- /- Wind reactions based on MWFRS E Brg Wid = - Min Req = - C Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing C is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

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



COA #0278

07/13/2023 Florida Certificate of Product Approval #FL 1999

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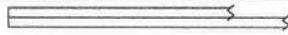
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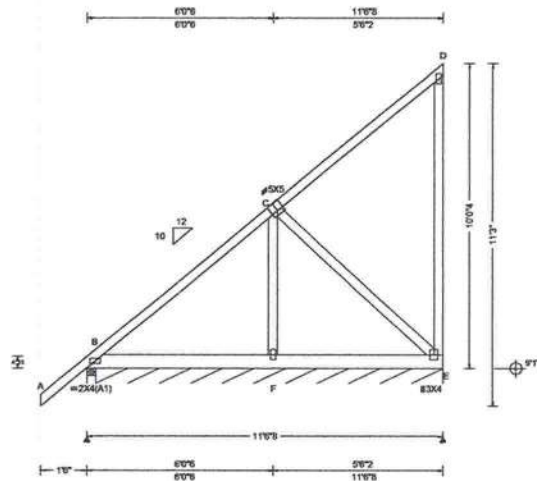
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Glenview, IL 60025



2 Complete Trusses Required



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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.277 Max BC CSI: 0.059 Max Web CSI: 0.056 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 418 /- /- /- /94 /- E* 61 /- /- /- /7 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 135 Min Req = - Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

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



COA #0728

07/12/2023
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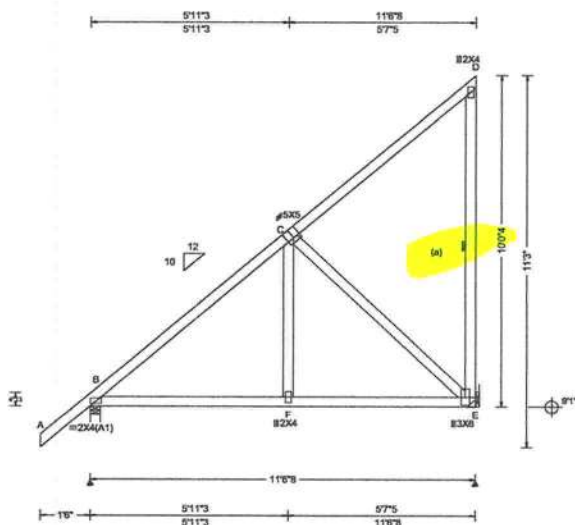
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



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): 0.005 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 F 999 180	B 618 /- /- /402 /- /270
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.004 D - -	E 482 /- /- /427 /120 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.005 E - -	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 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.564	E Brg Wid = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.408	Bearing B is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.459	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp.
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 22.02.00.0914.12	B - C 0 -535

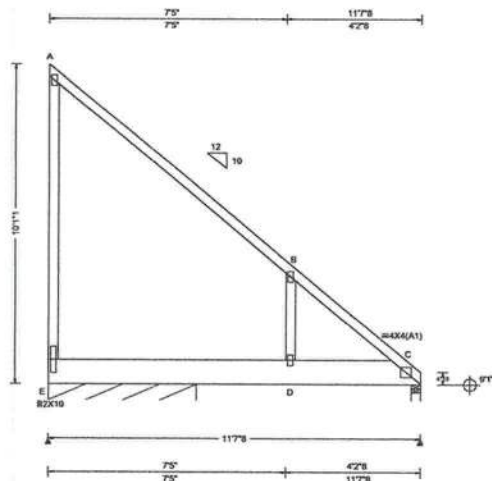
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Glenview, IL 60025

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Glenview, IL 60025

SEQN: 712136 FROM: CDM	MONO Qty: 1	Ply: 2 Truss Label: J06	Job Number: 23-9546 Gabriel	Cust: R 215 JRef: 1XRa2150003 T41 DrwNo: 193.23.0846.09640 SSB / WHK 07/12/2023
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2 Complete Trusses Required



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 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.041 D 999 240 VERT(CL): 0.082 D 999 180 HORZ(LL): -0.033 B - - HORZ(TL): 0.065 B - - Creep Factor: 2.0 Max TC CSI: 0.515 Max BC CSI: 0.633 Max Web CSI: 0.080 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL E* 1200 /- /- /8 /- /- C 1474 /- /- /62 /- /- Wind reactions based on MWFRS E Brg Wid = 55.5 Min Req = - C Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings E & C are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x10 SP #2;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 3.00" 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 66 plf at 0.00 to 66 plf at 11.62
BC: From 10 plf at 0.00 to 10 plf at 11.62
BC: 1332 lb Conc. Load at 0.23
BC: 962 lb Conc. Load at 2.23, 4.23, 6.23, 8.23
10.23

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

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



COA #0048

Florida Certificate of Product Approval #FL 1999

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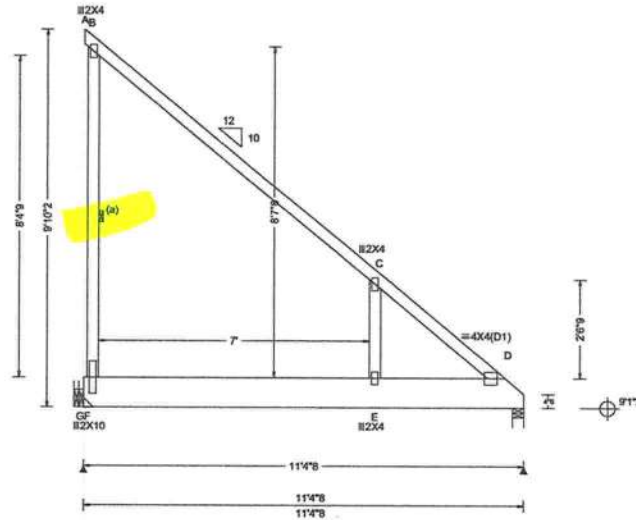
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 712212 FROM: CDM	MONO Qty: 2	Job Number: 23-9546 Gabriel Truss Label: J07	Cust: R 215 JRef: 1XRa2150003 T75 DrwNo: 193.23.0845.59450 SSB / WHK 07/12/2023
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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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed, 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.144 E 926 240 VERT(CL): 0.361 E 370 180 HORZ(LL): -0.114 C - - HORZ(TL): 0.287 C - - Creep Factor: 2.0 Max TC CSI: 0.640 Max BC CSI: 0.658 Max Web CSI: 0.164 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 1560 /- /0 /429 /115 /232 D 982 /- /- /273 /- /- Wind reactions based on MWFRS G Brg Wid = - Min Req = - D Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing D is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. C - D 249 -576

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x10 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

Attic room loading from 0-4-8 to 7-4-8: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-10"-2.



COA #00078

Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

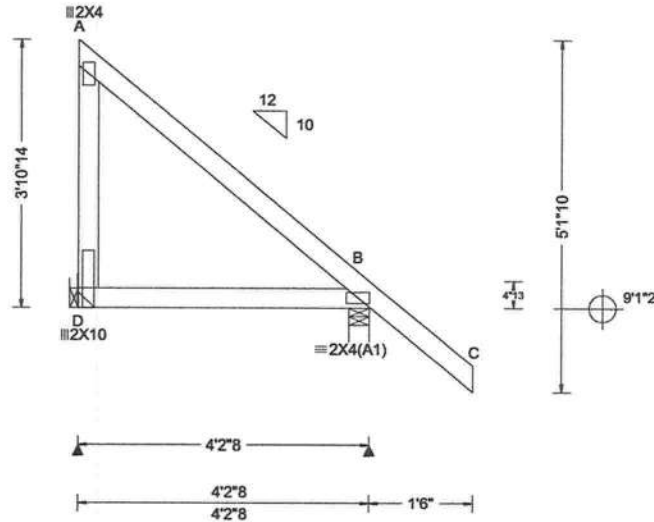
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 712181 FROM: CDM	MONO Ply: 1 Qty: 3	Job Number: 23-9546 Gabriel Truss Label: J09	Cust: R215 JRef: 1XRA2150003 T12 DrwNo: 193.23.0833.50603 SSB / WHK 07/12/2023
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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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	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): 0.001 B 999 240 VERT(CL): 0.003 B 999 180 HORZ(LL): 0.003 A - - HORZ(TL): 0.004 B - - Creep Factor: 2.0 Max TC CSI: 0.281 Max BC CSI: 0.154 Max Web CSI: 0.139 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL D 151 /- /- /141 /69 /166 B 318 /- /- /192 /13 /- Wind reactions based on MWFRS D Brg Wid = - Min Req = - B Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(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.

Additional Notes

The overall height of this truss excluding overhang is 3-10-14.



COA #09278

Florida Certificate of Product Approval #FL 1999

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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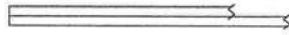
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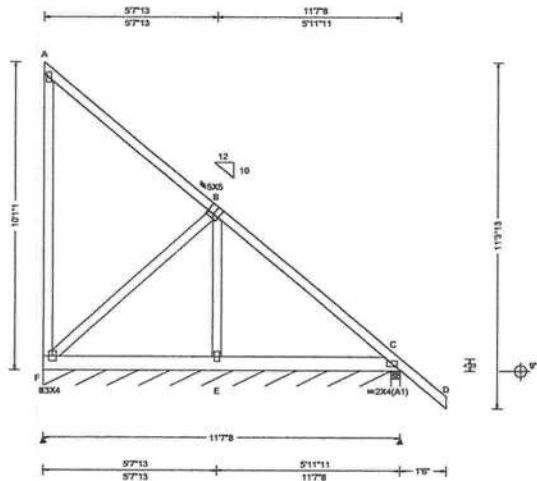


155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 712191 FROM: CDM	MONO Qty: 1	Ply: 2	Job Number: 23-9546 Gabriel Truss Label: J10	Cust: R215 JRef: 1XRa2150003 T42 DrwNo: 193.23.0846.11063 SSB / WHK 07/12/2023
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2 Complete Trusses Required



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: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.002 C 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.324 Max BC CSI: 0.537 Max Web CSI: 0.058 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 194 /- /- /- /37 /- C 395 /- /- /- /108 /- Wind reactions based on MWFRS F Brg Wid = 136 Min Req = - C Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings F & C are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @11.50" 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 66 plf at 0.00 to 66 plf at 13.12
BC: From 20 plf at 0.00 to 20 plf at 11.62
BC: From 5 plf at 11.62 to 5 plf at 13.12
BC: 1101 lb Conc. Load at 3.83
BC: 387 lb Conc. Load at 7.35

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

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



COA #078

Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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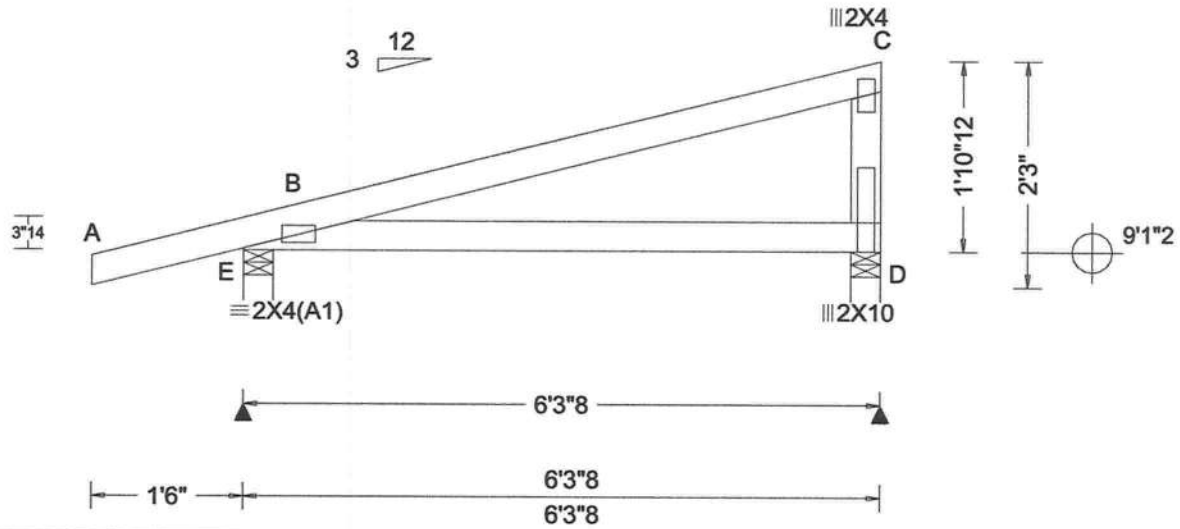
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711515 FROM: CDM	MONO Qty: 22	Ply: 1 Gabriel Truss Label: J11	Cust: R 215 JRef: 1XRa2150003 T54 DrwNo: 193.23.0846.12380 SSB / WHK 07/12/2023
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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):	NA			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu:	NA	Cs:	NA	VERT(CL):	NA			E	371	/-	/-	/203	/91	/66
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA			HORZ(LL):	0.009	B	-	D	233	/-	/-	/125	/50	/-
Des Ld:	40.00	EXP:	C Kzt: NA					HORZ(TL):	0.018	B	-	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:				Creep Factor:	2.0			E	Brg Wid = 3.5	Min Req = 1.5	(Truss)			
Soffit:	2.00	TCDL:	5.0 psf	FBC 7th Ed. 2020 Res.				Max TC CSI:	0.559			D	Brg Wid = 3.5	Min Req = 1.5	(Truss)			
Load Duration:	1.25	BCDL:	5.0 psf	TPI Std:	2014			Max BC CSI:	0.342			Bearings E & D are a rigid surface.						
Spacing:	24.0 *	MWFRS Parallel Dist:	0 to h/2	Rep Fac:	Yes			Max Web CSI:	0.247			Members not listed have forces less than 375#						
		C&C Dist a:	3.00 ft	FT/RT:	20(0)/10(0)													
		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;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 1-10-12.



COA #0278

Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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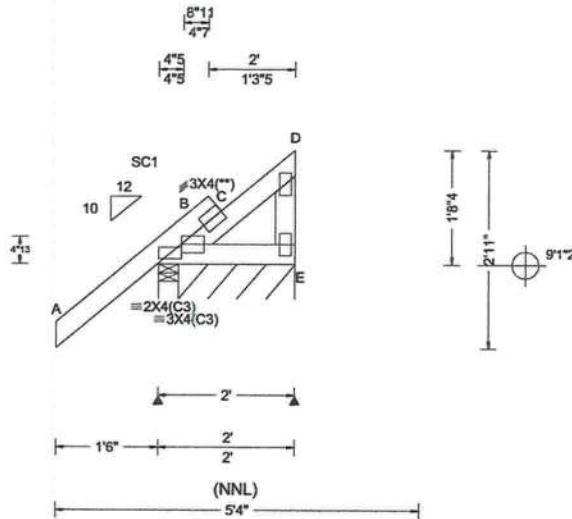
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711323 FROM: CDM	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 23-9546 Gabriel Truss Label: J12	Cust: R215 JRef: 1XRa2150003 T46 DrwNo: 193.23.0846.13497 SSB / WHK 07/12/2023
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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: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.002 C 999 240 VERT(CL): -0.004 C 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.311 Max BC CSI: 0.084 Max Web CSI: 0.012 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 273 /- /- /222 /37 /84 E* 15 /- /- /32 /21 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) E Brg Wid = 20.5 Min Req = - Bearings B & B are a rigid surface. Members not listed have forces less than 375#

Lumber

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

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.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is 1-8-4.



COA #0278

07/12/2023 Florida Certificate of Product Approval #FL 1999

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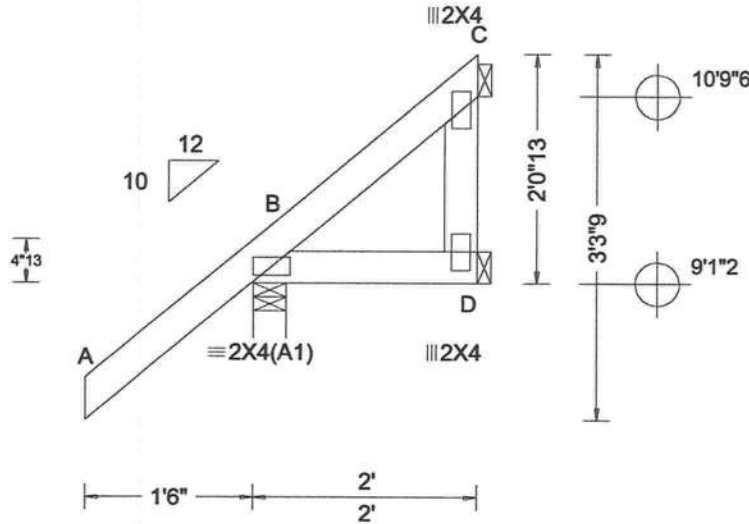
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711325 FROM: CDM	MONO Qty: 5	Job Number: 23-9546 Gabriel Truss Label: J13	Cust: R215 JRef: 1XRa2150003 T47 DrwNo: 193.23.0846.14787 SSB / WHK 07/12/2023
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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): NA VERT(CL): NA HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.306 Max BC CSI: 0.060 Max Web CSI: 0.007 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 251 /- /- /204 /26 /92 D 30 /- /- /23 /4 /- C 22 /- /- /35 /28 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 2-0-13.



COA #00278

07/12/2023
Florida Certificate of Product Approval #FL 1999

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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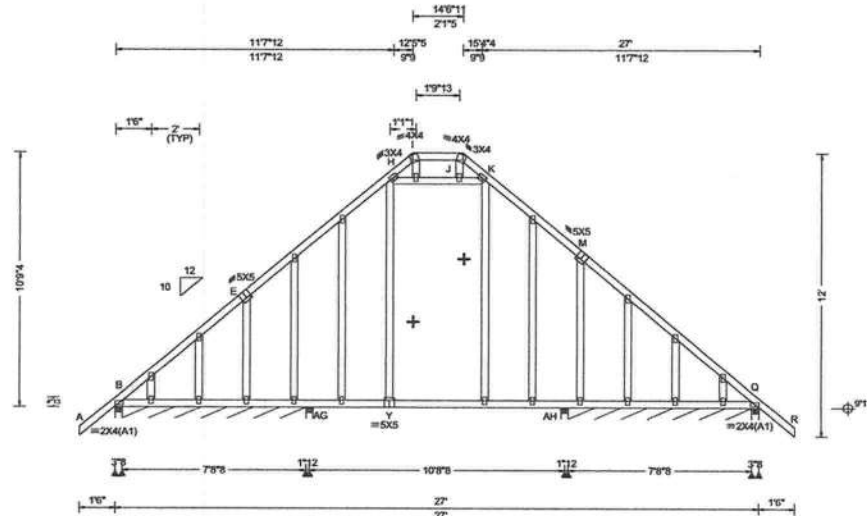
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711292 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: K01	Cust: R 215 JRef: 1XRa2150003 T23 DrwNo: 193.23.0846.28440 SSB / WHK 07/12/2023
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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: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 Y 999 240 VERT(CL): 0.034 X 999 180 HORZ(LL): 0.015 AF - - HORZ(TL): 0.027 M - - Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.252 Max Web CSI: 0.141 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 614 /- /- /394 /- /381 B* 62 /- /- /45 /38 /- AG 237 /- /- /276 /107 /- AH 241 /- /- /256 /83 /- AH*61 /- /- /49 /38 /- Q 614 /- /- /404 /- /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) B Brg Wid = 92.5 Min Req = - AG Brg Wid = 3.5 Min Req = 1.5 (Truss) AH Brg Wid = 3.5 Min Req = 1.5 (Truss) AH Brg Wid = 92.5 Min Req = - Q Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, B, AG, AH, AH, & Q 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 - E 57 -562 K - M 110 -531 E - H 109 -532 M - Q 44 -562 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - Y 839 -223 Y - Q 837 -221

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Purlins

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

Wind

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

Additional Notes

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

The overall height of this truss excluding overhang is
10-9-4.

+ Member to be laterally braced for out of
plane wind loads



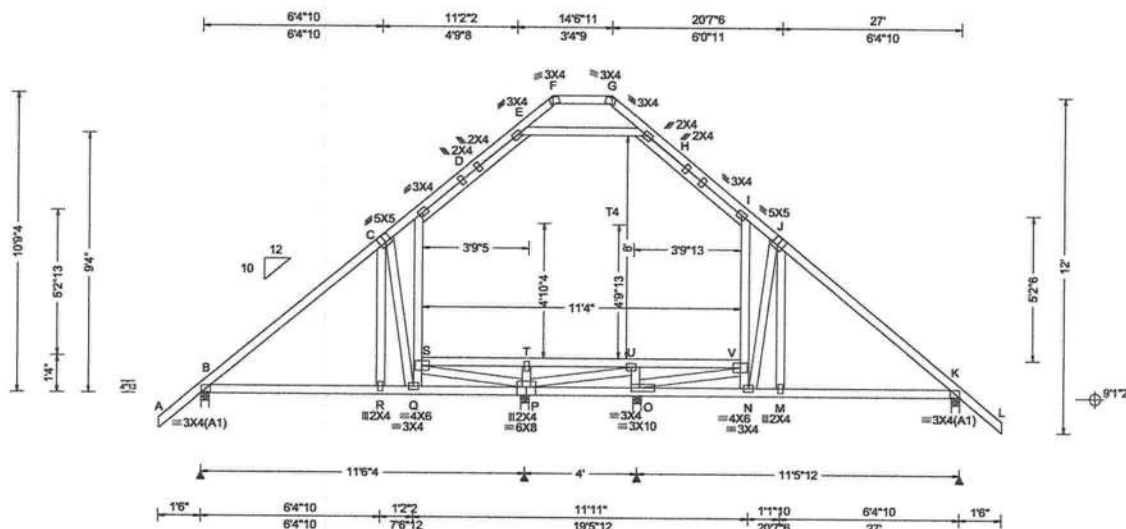
COA #0-28

07/12/2023
Florida Department of Product Approval #FL 1999

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly
attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have continuous lateral restraint (CLR), installed with
diagonal bracing installed on the CLR per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as
shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General
Notes page for additional information.

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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: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.080 Q 999 240 VERT(CL): 0.180 S 763 180 HORZ(LL): 0.058 S - - HORZ(TL): 0.138 S - - Creep Factor: 2.0 Max TC CSI: 0.561 Max BC CSI: 0.519 Max Web CSI: 0.828 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1008 /- /- /413 /- /381 P 1482 /- /- /747 /359 /- O 1428 /- /- /721 /354 /- K 1002 /- /- /419 /- /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) P Brg Wid = 3.5 Min Req = 1.7 O Brg Wid = 3.5 Min Req = 1.5 (Truss) K Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B, P, O, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs)

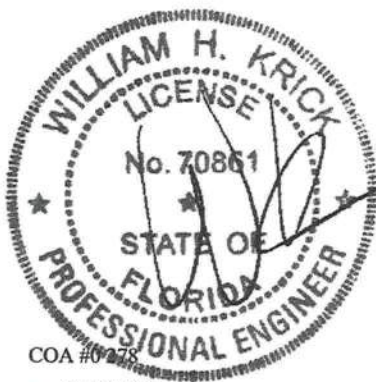
Lumber
Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Attic room loading from 7-10-4 to 19-2-4: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 10-9-4.



Chords	Tens.Comp.	Chords	Tens. Comp.
D - E	521 - 1107	D - C	642 - 1301
H - I	632 - 1288	H - G	500 - 1095
B - C	31 - 1094	I - J	165 - 965
C - D	164 - 971	J - K	32 - 1085

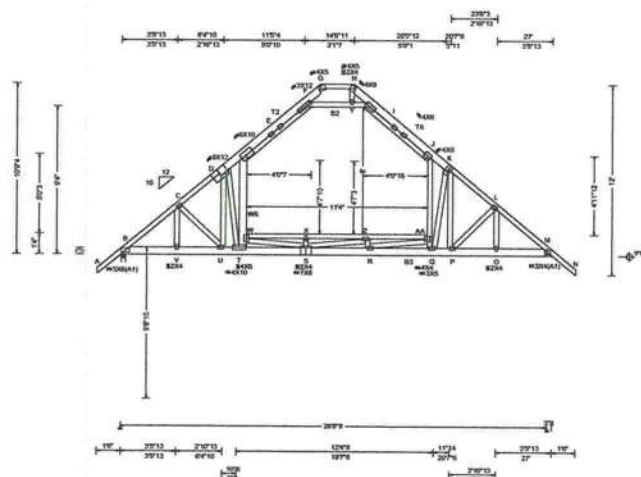
Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	739 - 130	O - N	676 - 62
R - Q	737 - 130	N - M	730 - 48
Q - P	685 - 147	M - K	732 - 46
P - O	752 - 1734		

Webs	Tens.Comp.	Webs	Tens. Comp.
C - Q	318 - 607	T - U	2355 - 546
Q - S	535 - 237	U - O	270 - 720
S - P	593 - 2516	U - V	2377 - 520
S - T	2366 - 546	O - V	570 - 2529
E - H	256 - 649	V - N	529 - 239
P - U	817 - 846	N - J	326 - 612
T - P	42 - 547		

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

SEQN: 711289 FROM: CDM	ATIC Qty: 2	Ply: 3 Job Number: 23-9546 Gabriel Truss Label: K03	Cust: R215 JRef: 1XRa2150003 T50 DrwNo: 193.23.0846.57720 SSB / WHK 07/12/2023
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3 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: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.329 T 968 240 VERT(CL): 0.657 T 485 180 HORZ(LL): 0.251 W - - HORZ(TL): 0.501 W - - Creep Factor: 2.0 Max TC CSI: 0.805 Max BC CSI: 0.541 Max Web CSI: 0.881 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 4756 /- /- /- /382 /- M 3210 /- /- /- /300 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) M Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. E - F 222 -1162 G - H 1026 -32 I - J 532 -1032 H - I 471 -3 B - C 160 -2229 I - Y 172 -1414 C - D 151 -2164 J - K 113 -1770 D - E 158 -2578 K - L 110 -1416 E - D 1811 -2545 L - M 113 -1391 F - G 728 -17

Lumber
Top chord: 2x4 SP #2; T2, T6 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E; B2 2x4 SP #2;
B3 2x6 SP #2;
Webs: 2x4 SP #3; W5 2x6 SP 2400f-2.0E;

Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 10.50" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

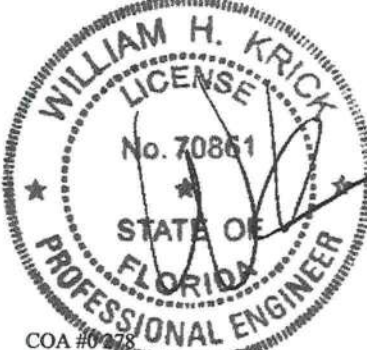
Plating Notes
All plates are 3X4 except as noted.

Loading
Attic room loading from 7-10-4 to 19-2-4: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 10-9-4.
Special loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at -1.50 to 66 plf at 28.50
PLT: From 26 plf at 7.85 to 26 plf at 11.44
PLT: From 20 plf at 11.44 to 20 plf at 15.56
PLT: From 26 plf at 15.56 to 26 plf at 19.19
PLT: From 100 plf at 7.85 to 100 plf at 19.19
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 27.00
BC: From 5 plf at 27.00 to 5 plf at 28.50
BC: 3524 lb Conc. Load at 7.50
BC: 100 lb Conc. Load at 7.85, 19.19



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Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	1686 -116	R - Q	901 -69
V - U	1686 -116	Q - P	1091 -80
U - T	1680 -112	P - O	1040 -79
T - S	2409 -153	O - M	1038 -79
S - R	1995 -52		

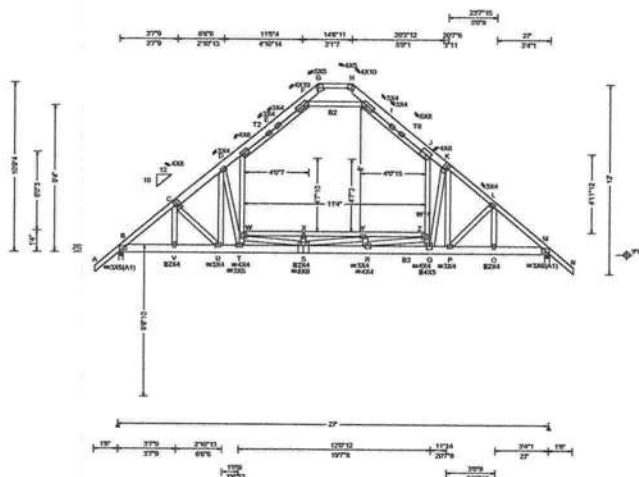
Maximum Web Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.	Webs Tens. Comp.
D - U 386 -86 X - Z 29 -1879	
D - T 96 -1698 Y - H 505 -26	
T - W 2201 -95 Y - I 113 -2149	
W - S 652 0 Z - AA 0 -863	
W - X 29 -1882 R - AA 1007 0	
E - W 2438 -87 AA - J 1220 -22	
F - Y 108 -2056 AA - Q 932 -28	
S - Z 939 -98 Q - K 22 -610	

It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

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ALPINE
AN ITW COMPANY
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: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.274 R 999 240 VERT(CL): 0.547 R 585 180 HORZ(LL): -0.181 J - - HORZ(TL): 0.360 J - - Creep Factor: 2.0 Max TC CSI: 0.726 Max BC CSI: 0.378 Max Web CSI: 0.704 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 2492 /- /- /- /297 /- M 2903 /- /- /- /374 /- Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 1.5 (Truss) M Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & 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. E - F 154 -1257 G - H 1266 -74 I - J 1419 -2265 H - I 946 -53 B - C 178 -1683 I - H 139 -1188 C - D 170 -1640 J - K 247 -2410 D - E 172 -1925 K - L 220 -1895 E - D 825 -1493 L - M 234 -1974 F - G 878 -39

Lumber
Top chord: 2x4 SP #2; T2,T6 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP #2; B2 2x4 SP M-31;
B3 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W11 2x4 SP M-31;

Nailnote
Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Loading
Attic room loading from 7-10-4 to 19-2-4: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

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

Additional Notes
The overall height of this truss excluding overhang is 10-9-4.

Special loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at -1.50 to 66 plf at 28.50
PLT: From 26 plf at 7.85 to 26 plf at 11.44
PLT: From 20 plf at 11.44 to 20 plf at 15.56
PLT: From 26 plf at 15.56 to 26 plf at 19.19
PLT: From 100 plf at 7.85 to 100 plf at 19.19
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 27.00
BC: From 5 plf at 27.00 to 5 plf at 28.50
BC: 100 lb Conc. Load at 7.85, 19.19
BC: 954 lb Conc. Load at 19.21



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

B - V	1270	-127	R - Q	1349	-158
V - U	1271	-128	Q - P	1423	-158
U - T	1219	-122	P - O	1486	-170
T - S	1047	-104	O - M	1487	-170
S - R	2527	-138			

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

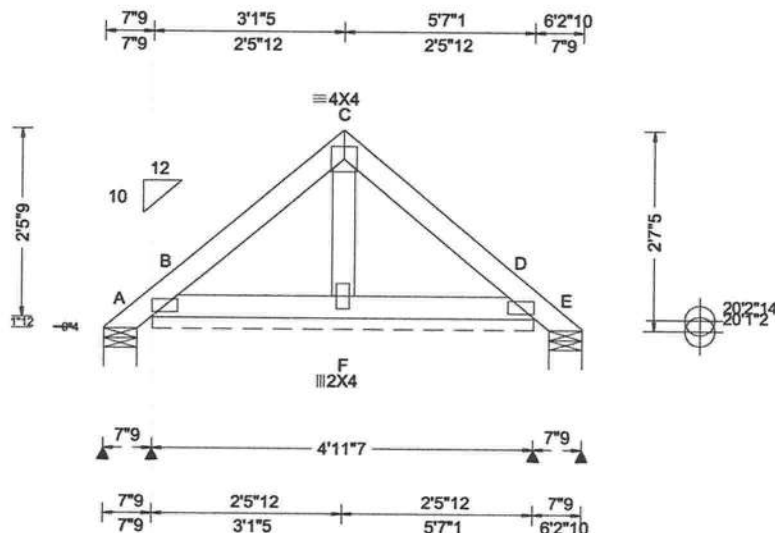
D - T	36	-799	X - Y	0	-1070
T - W	961	-41	Y - Z	28	-1439
W - S	1106	0	R - Z	1188	0
W - X	0	-1073	Z - Q	1789	-166
E - W	1292	-31	Z - J	2164	-164
F - I	191	-2343	Q - K	181	-1588
S - Y	104	-410			

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

SEQN: 711749 FROM: CDM	COMN Qty: 5	Ply: 1 Qty: 5	Job Number: 23-9546 Gabriel Truss Label: PB01	Cust: R 215 JRef: 1XRa2150003 T16 DrwNo: 193.23.0845.36213 SSB / WHK 07/12/2023
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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: 21.41 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: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): -0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.097 Max BC CSI: 0.028 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-20 /- /68 /75 /75 B* 89 /- /- /68 /42 /- E - /-20 /- /25 /25 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 2-7-5.



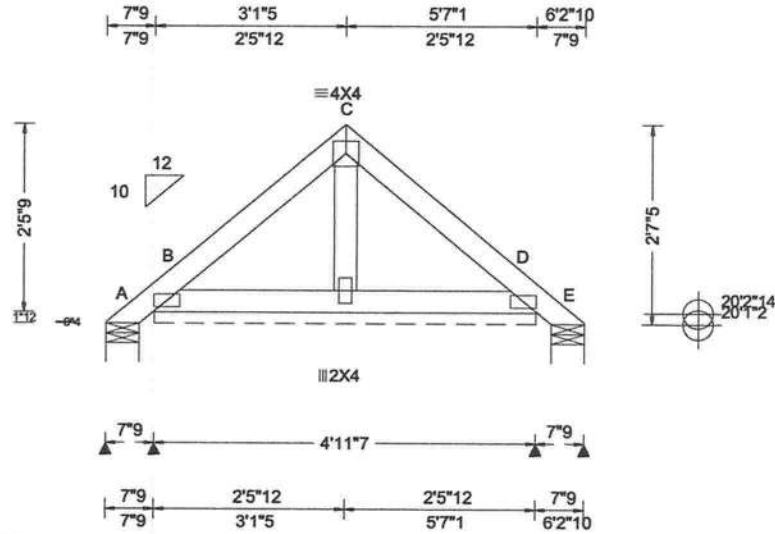
COA #0278

07/13/2023
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 712216 FROM: CDM	COMN Qty: 5	Ply: 1 Qty: 5	Job Number: 23-9546 Gabriel Truss Label: PB01	Cust: R215 JRef: 1XRa2150003 T35 DrwNo: 193.23.0845.37343 SSB / WHK 07/12/2023
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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: 18.38 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.028 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-18 /- /68 /69 /74 B* 89 /- /- /69 /30 /- E - /-18 /- /20 /20 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2'-7-5/8".



COA #0228

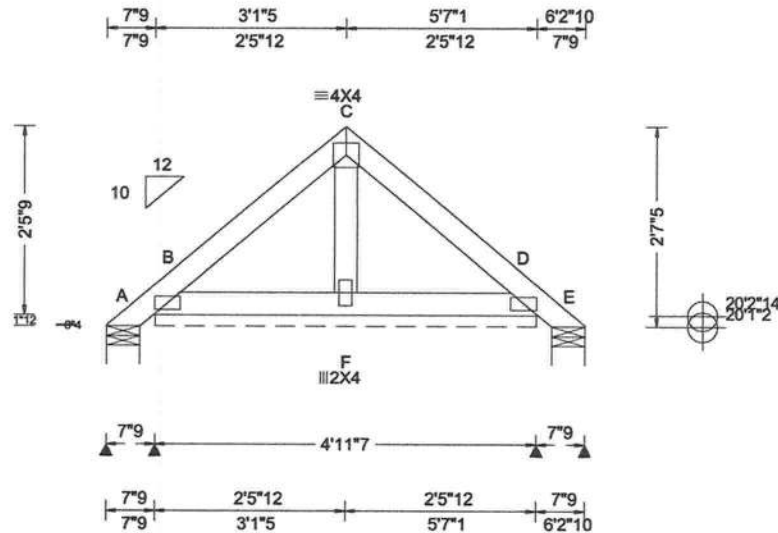
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711777 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 23-9546 Gabriel Truss Label: PB02	Cust: R 215 JRef: 1XRa2150003 T66 DrwNo: 193.23.0845.38373 SSB / WHK 07/12/2023
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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: 21.41 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.000 B 999 240 VERT(CL): 0.000 B 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.097 Max BC CSI: 0.028 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A - /-20 /- /68 /75 /75 B* 89 /- /- /68 /30 /- E - /-20 /- /19 /25 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

Wind loads based on MWFRS.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2'-7"-5".



COA #07122023

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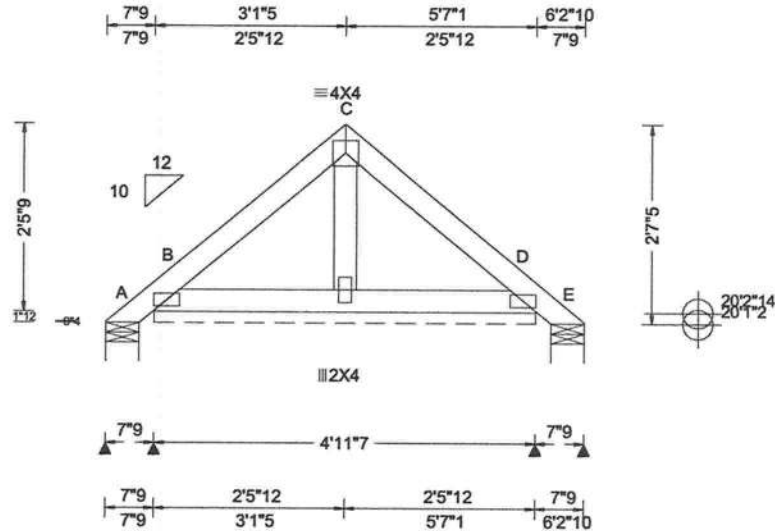
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711178 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: PB03	Cust: R 215 JRef: 1XRa2150003 T30 DrwNo: 193.23.0845.39390 SSB / WHK 07/12/2023
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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: 18.40 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft 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): 0.000 B 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.028 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-18 /- /68 /69 /74 B* 89 /- /- /69 /15 /- E - /-18 /- /18 /20 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 2-7-5.



COA #0978

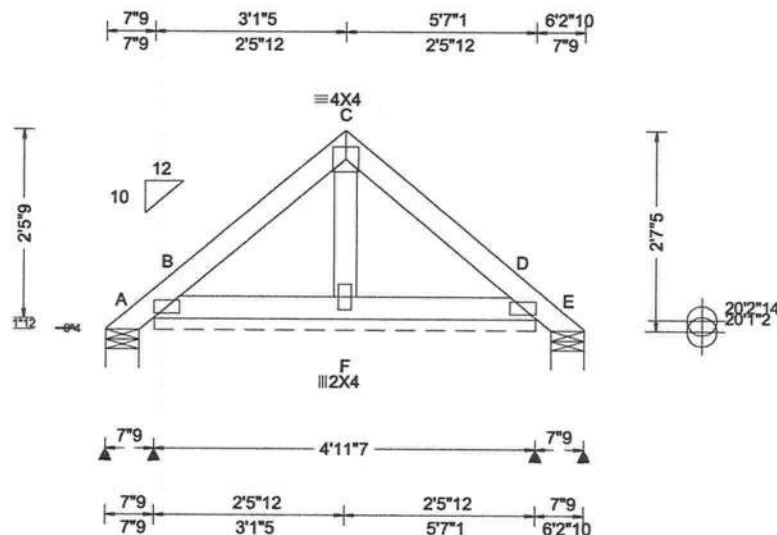
Florida Certificate of Product Approval #FL 1999

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00	Wind Std: ASCE 7-16	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): 0.000 B 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.000 B 999 180	A - /-20 /- /68 /75 /75
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	B* 89 /- /- /68 /18 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 D - -	E - /-20 /- /17 /25 /-
NCBCLL: 10.00	Mean Height: 21.41 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: 0.097	A Brg Wid = 5.2 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 2.0 psf	TPI Std: 2014	Max BC CSI: 0.028	B Brg Wid = 59.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.013	E Brg Wid = 5.2 Min Req = 1.5 (Truss)
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearings A, B, & E are a rigid surface.
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 22.02.00.0914.12	
	Wind Duration: 1.60			

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 2-7-5.



COA #0278

07/12/2023
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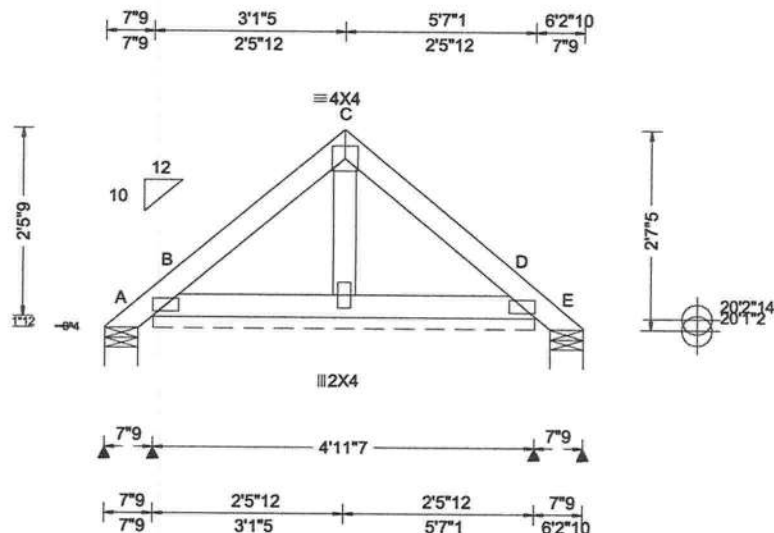
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711803 FROM: CDM	COMN Ply: 1 Qty: 11	Job Number: 23-9546 Gabriel Truss Label: PB05	Cust: R 215 JRef: 1XRa2150003 T33 DrwNo: 193.23.0845.41607 SSB / WHK 07/12/2023
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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: 17.77 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.030 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-18 /- /67 /69 /74 B* 90 /- /- /71 /14 /- E - /-18 /- /18 /19 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-7-5.



COA #0278

Florida Certificate of Product Approval #FL 1999

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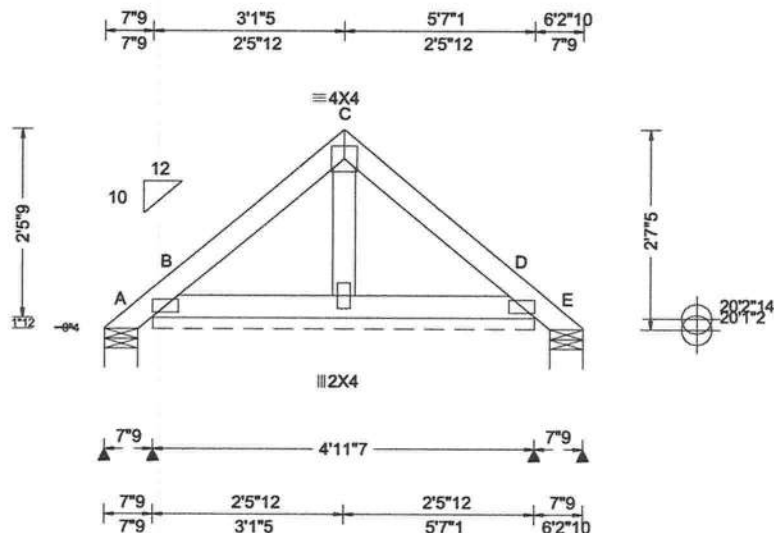
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711811 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: PB06	Cust: R 215 JRef: 1XRa2150003 T32 DrwNo: 193.23.0845.42610 SSB / WHK 07/12/2023
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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: 17.77 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.030 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-18 /- /67 /69 /74 B* 90 /- /- /71 /14 /- E - /-18 /- /18 /19 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-7-5.



COA #00078

07/12/2023
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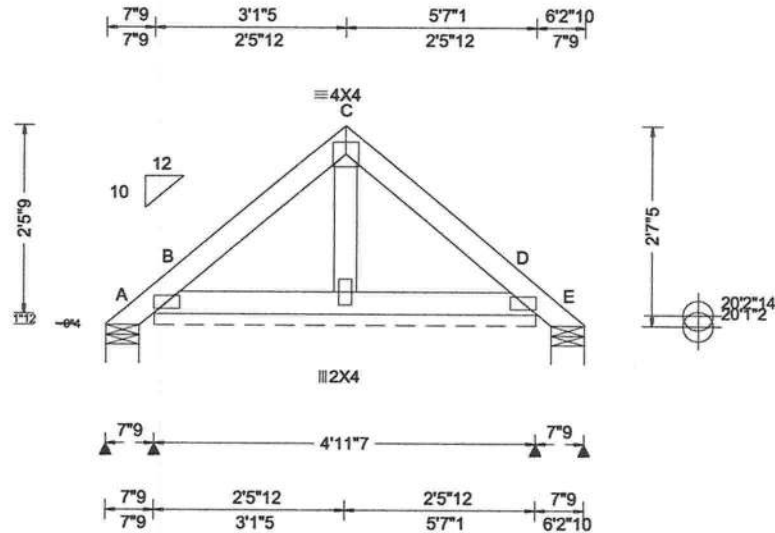
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711832 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: PB07	Cust: R 215 JRef: 1XRa2150003 T28 DrwNo: 193.23.0845.43677 SSB / WHK 07/12/2023
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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: 17.77 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.000 B 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.065 Max BC CSI: 0.028 Max Web CSI: 0.013 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-18 /- /67 /69 /74 B* 89 /- /- /69 /14 /- E - /-18 /- /18 /20 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 59.5 Min Req = - E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 2-7.5.



COA #0278

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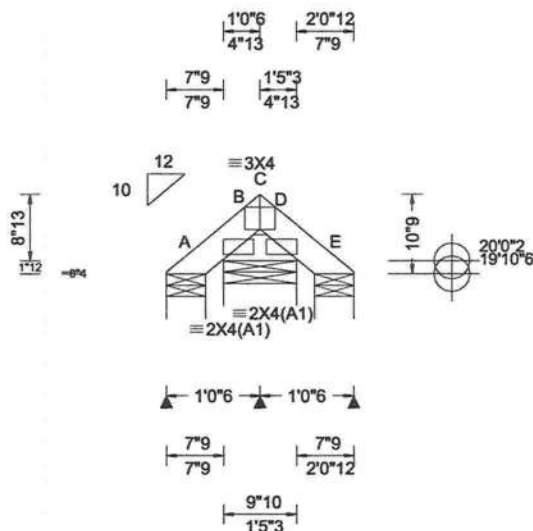
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Glenview, IL 60025

SEQN: 711787 FROM: CDM	COMN Qty: 7	Ply: 1 Qty: 7	Job Number: 23-9546 Gabriel Truss Label: PB09	Cust: R 215 JRef: 1XRa2150003 T17 DrwNo: 193.23.0845.45617 SSB / WHK 07/12/2023
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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: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.009 Max BC CSI: 0.003 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 19 /- /- /22 /8 /21 B 78 /- /- /68 /5 /- E 19 /- /- /20 /6 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 9.6 Min Req = 1.5 (Truss) E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 0-10-9.



COA #0928

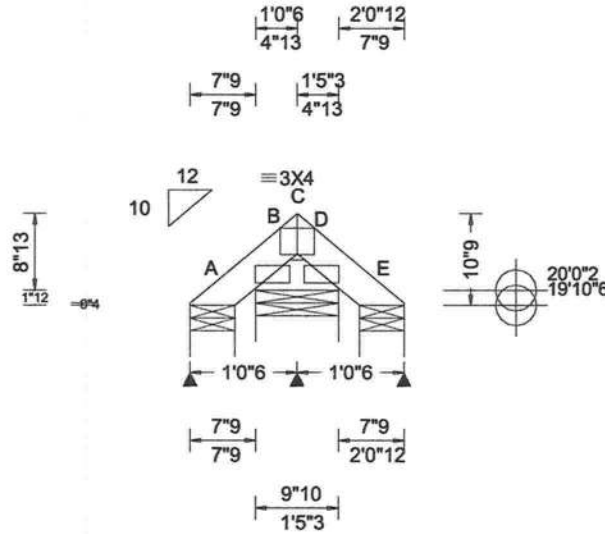
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711329 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: PB10	Cust: R 215 JRef: 1XRa2150003 T22 DrwNo: 193.23.0845.46650 SSB / WHK 07/12/2023
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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): 0.000 D 999 240 VERT(CL): 0.000 D 999 180 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.009 Max BC CSI: 0.004 Max Web CSI: 0.000 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 19 /- /- /22 /9 /21 B 78 /- /- /68 /12 /- E 19 /- /- /20 /9 /- Wind reactions based on MWFRS A Brg Wid = 5.2 Min Req = 1.5 (Truss) B Brg Wid = 9.6 Min Req = 1.5 (Truss) E Brg Wid = 5.2 Min Req = 1.5 (Truss) Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.
The overall height of this truss excluding overhang is 0-10-9.

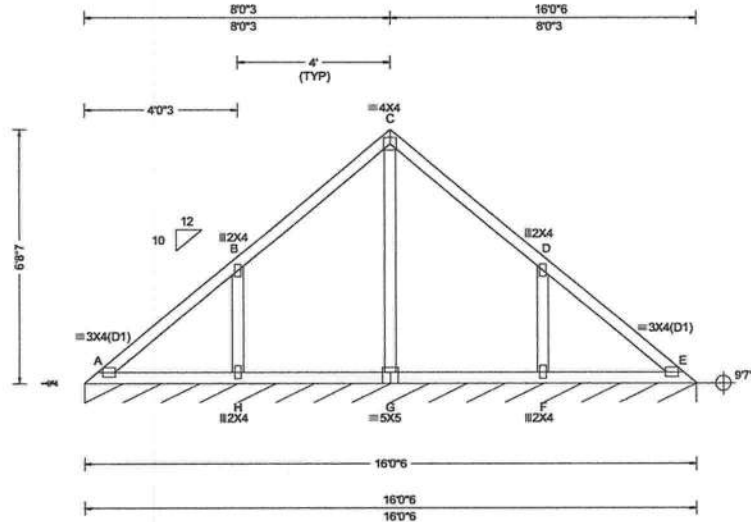


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Glenview, IL 60025

SEQN: 711518 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: V05	Cust: R 215 JRef: 1XRa2150003 T55 DrwNo: 193.23.0845.47987 SSB / WHK 07/12/2023
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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: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 A 999 240 VERT(CL): 0.008 A 999 180 HORZ(LL): -0.002 E - - HORZ(TL): 0.004 E - - Creep Factor: 2.0 Max TC CSI: 0.275 Max BC CSI: 0.147 Max Web CSI: 0.186 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /47 /11 /12 Wind reactions based on MWFRS E Brg Wid = 192 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 6-8-7.



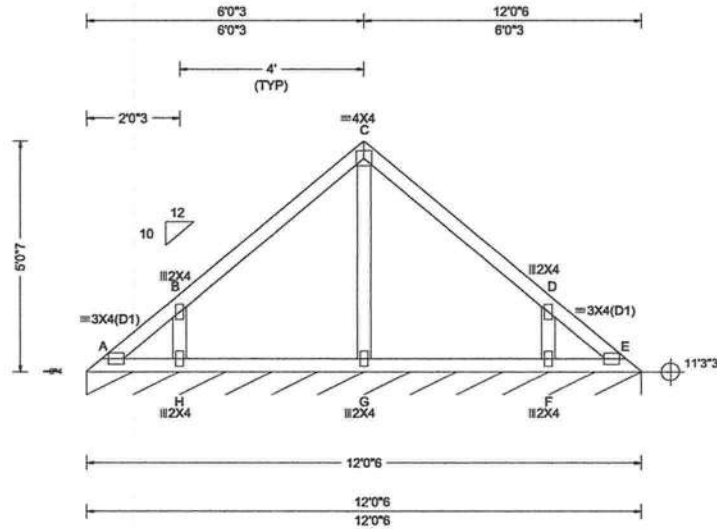
COA #0278

07/12/2023
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 711520 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: V06	Cust: R 215 JRef: 1XRa2150003 T56 DrwNo: 193.23.0845.49013 SSB / WHK 07/12/2023
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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: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.220 Max BC CSI: 0.118 Max Web CSI: 0.087 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL E* 86 /- /- /47 /10 /12 Wind reactions based on MWFRS E Brg Wid = 144 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 5-0-7.



COA #0278

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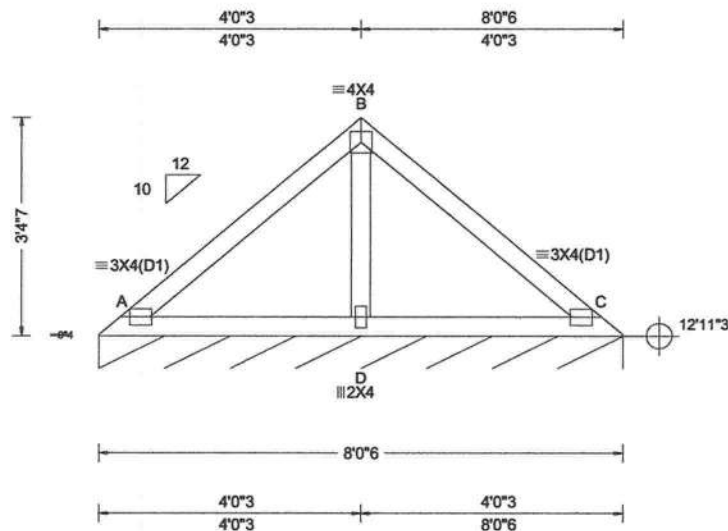
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711522 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: V07	Cust: R 215 JRef: 1XRa2150003 T57 DrwNo: 193.23.0845.49910 SSB / WHK 07/12/2023
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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 to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 A 999 240 VERT(CL): 0.012 A 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.222 Max BC CSI: 0.186 Max Web CSI: 0.091 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL C* 86 /- /- /46 /- /11 Wind reactions based on MWFRS C Brg Wid = 96.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 281 -385

Lumber

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

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 3-4-7.



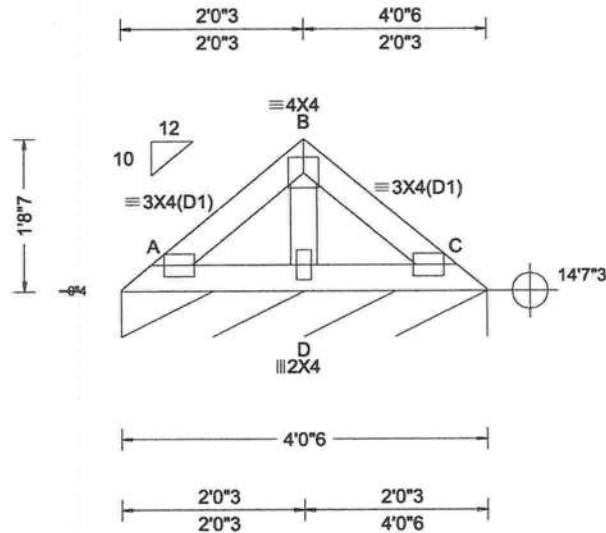
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 711524 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 23-9546 Gabriel Truss Label: V08	Cust: R215 JRef: 1XRa2150003 T58 DrwNo: 193.23.0845.51030 SSB / WHK 07/12/2023
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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: 15.60 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 240 VERT(CL): 0.001 A 999 180 HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.046 Max BC CSI: 0.032 Max Web CSI: 0.033 VIEW Ver: 22.02.00.0914.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /44 /- /10 Wind reactions based on MWFRS C Brg Wid = 48.4 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 1-8-7.



COA #0278

Florida Certificate of Product Approval #FL 1999

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

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

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

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North Building, 4th Floor
Glenview, IL 60025

ASCE 7-16:	140 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00	120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00	100 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Dr	120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00	120 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00	100 mph	Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

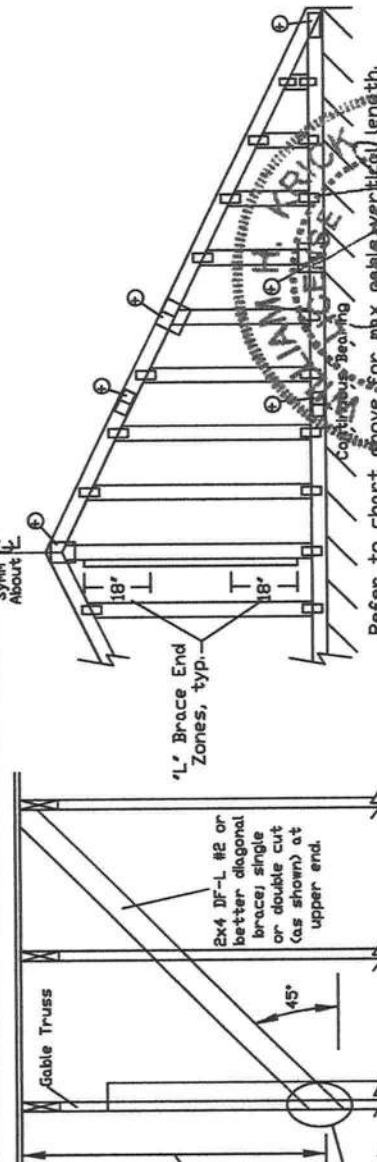
 $C, K_Z t = 1.00$

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

Diagonal brace options: 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 $\frac{\text{max gable vertical}}{\text{length}}$.

WARNING— READ AND FOLLOW ALL NOTES ON THIS DRAWING CAREFULLY. THIS DRAWING IS FOR THE INFORMATION OF ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trussess require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Guiding Component Safety Information, by TPI and SDC for safety practices prior to performing these functions. Retailers shall provide appropriate training to installers. Unless noted otherwise, post chord shall have properly attached truss member lateral postchord end plates. All shall have a properly attached post chord. All shall have bracing installed per Table 13.17 or B10, as applicable. Apply points to each corner of truss and postchord. See details above and on the Joint Details, unless noted otherwise. Truss and postchord shall be braced and braced on the joint details, unless noted otherwise. 1004-25 Reinforced plate connections.

Alper, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the drawings. The drawings shall be used in accordance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses.

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

For more information see this job's general notes page and these web sites:
ALPINE: www.alphetta.com TPI: www.talbot-oro.com SBGA: www.sbg-components.com ICC: www.iccsafe.org

MAX. TOT. LD. 60 PSF

COA #0 278

~~Certificate of Product Approval #FL-1999~~

MAX. SPACING 24.0"

REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015FNC160118

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	2X4

Refer to common truss design for peak, splice, and heel plates.

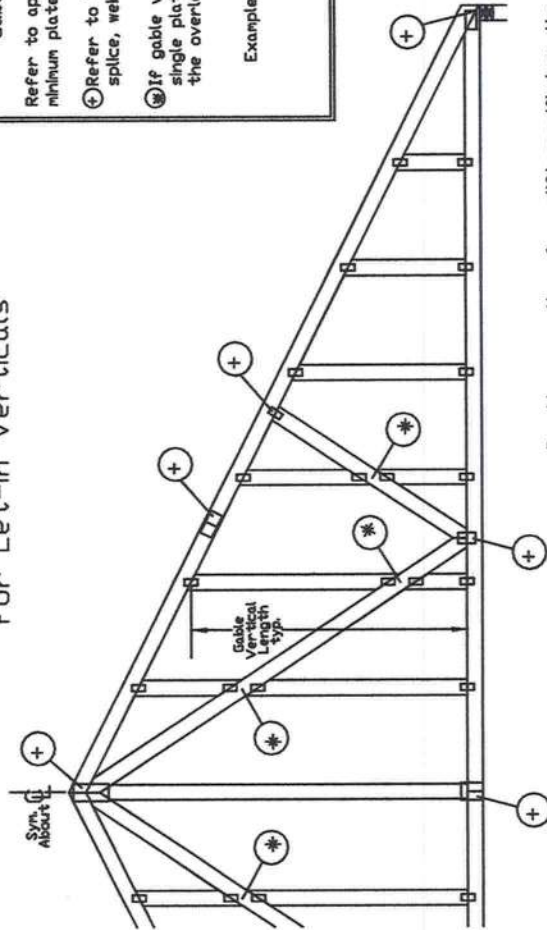
Refer to the Building Designer for conditions not addressed by this detail.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.

- * For (1) 'L' brace: space nails at 2' o.c.
- In 18" end zones and 4' o.c. between zones.
- * For (2) 'L' brace: space nails at 3' o.c.
- In 18" end zones and 6' o.c. between zones.

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

Gable Detail For Let-In Verticals

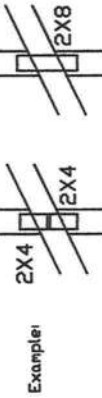


Gable Truss Plate Sizes

Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

Refer to Engineered truss design for peak, splice, web, and heel plates.

If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



Example:

Provide connections for uplift specified on the engineered truss design.

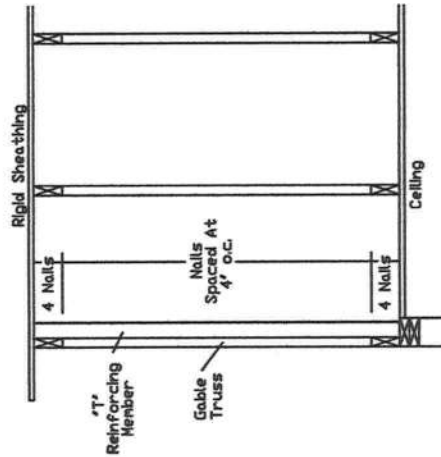
Attach each 'T' reinforcing member with

- End Driven Nails:
- 10d Common (0.148"x3".min) Nails at 4' o.c. plus
- (4) nails in the top and bottom chords.

Toenailed Nails:

- 10d Common (0.148"x3".min) Toenails at 4' o.c. plus
- (4) toenails in the top and bottom chords.

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



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

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

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft. Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length 1.30 x 8' 7" = 11' 2"

See appropriate Alpine gable detail for maximum gable vertical length.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLER.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Guiding Component Safety Information (GCSI) and BCSI Truss Installation Manual (TSM) for detailed instructions. Trusses shall be installed in accordance with the BCSI Truss Installation Manual (TSM) and the BCSI Truss Design Manual (TDM). Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 10A-2 for standard plate positions.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from the design of this truss system. The truss designer shall be responsible for any deviation from the design of this truss system. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design of the truss system. The safety and use of this drawing for any structure is the responsibility of the building designer per ASCE/ITV 1.3 Sec. 1.

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpi.com BCSI: www.bcsi.com ITV: www.itv.com



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

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETTIN0118

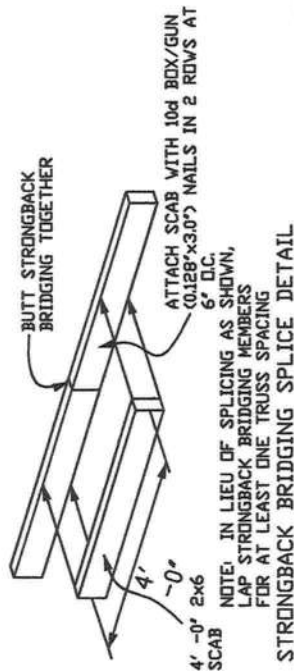
MAX. TOT. LD. 60 PSF

DR12/2/2018 ANY

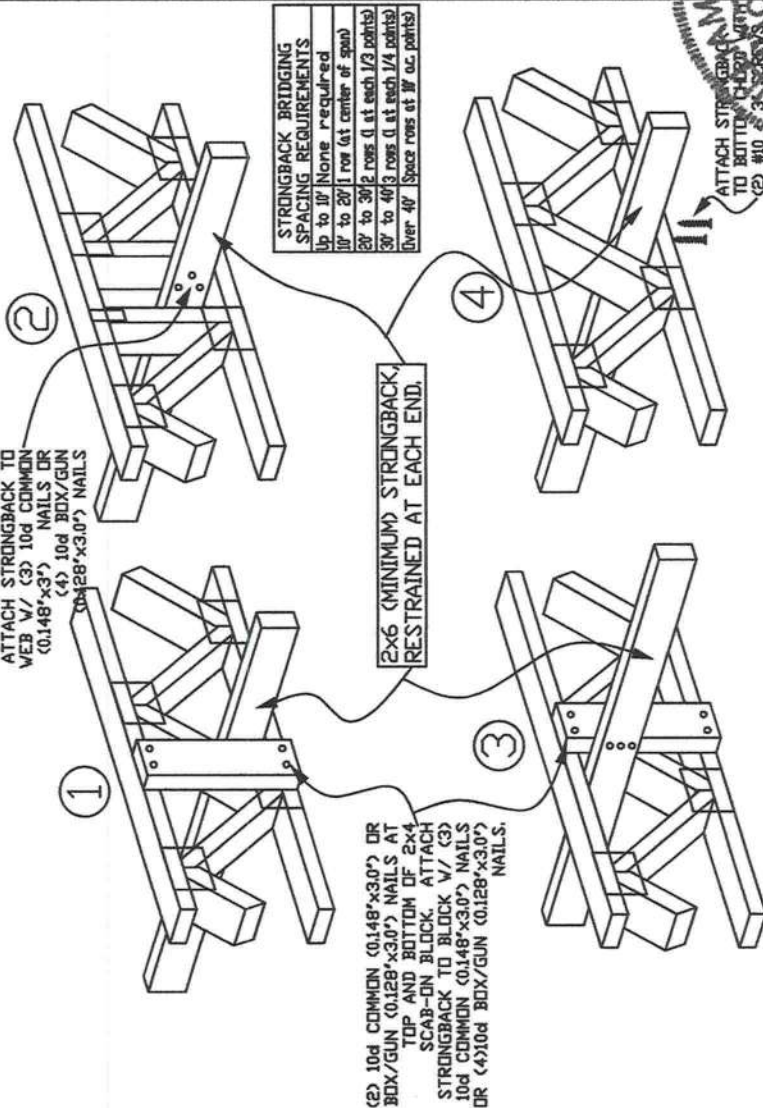
MAX. PSF 60 PSF APPROVED 4/10/1999

COA #0 278
Florida Certified

STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

IMPORTANT! READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT! FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of **BCS Building Construction**, by TPI and BCS for details. Follow the following instructions carefully to insure proper installation and bracing of the trusses.

Practices 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 BCS sections 12, 17, or 210, as applicable. Apply plates to end webs to brace against lateral movement.

Refer to drawings 1004-2 for standard plate positions.

Notes: A division of ITV Building Components Group Inc. shall not be responsible for any deviations in this drawing, any failure to build the trusses in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

A seal on this drawing or cover page listing the drawing indicates acceptance of professional engineering responsibility solely for the design shown. The sufficiency and use of this drawing for any structure is the responsibility of the building designer per ANSI/TPI 1, section 1.1.1.

For more information, please see the Job's general notes page and these drawings. Please allow 48 hours for delivery of drawings.

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- ▶ All scab-on blocks shall be a minimum 2x4 "stress graded lumber."
- ▶ All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."
- ▶ The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is recommended at 10' -0" o.c. (max.)
- ▶ The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. Refer to the Truss Design Drawing (TDD) for the bracing requirements for each individual truss component. "Bridging," particularly "strongback bridging" is a recommendation for a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.
- ▶ The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.
- ▶ For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	10/01/14
BC DL	PSF	DRWG	STRBIBR1014
BC LL	PSF		
TOT. LD.	PSF		
DUR. 15 AG23	1.00		
SPRAGING Product Approval #FL 1099			

COA #0 278
Florida Certi

NAIL SPACING DETAIL

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

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

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

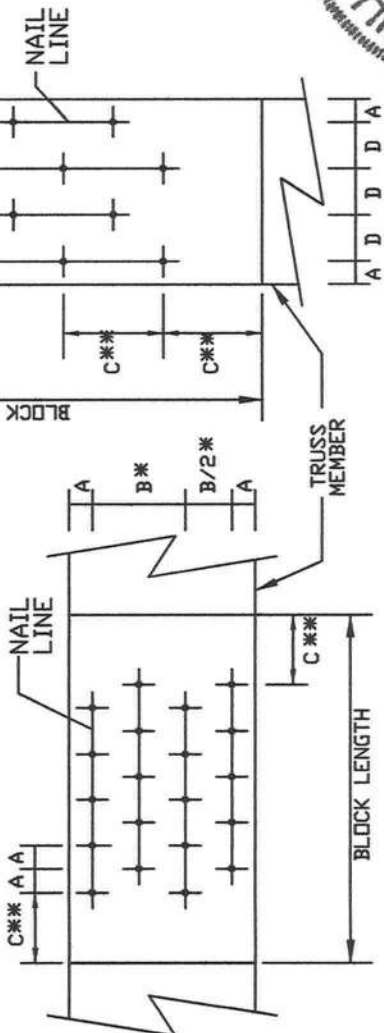
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW.

* SPACING MAY BE REDUCED BY 50%

** SPACING MAY BE REDUCED BY 33%

DIRECTION OF LOAD AND NAIL ROWS



LOAD APPLIED PERPENDICULAR TO GRAIN LOAD APPLIED PARALLEL TO GRAIN

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THIS DRAWING IS THE PROPERTY OF ALPINE AND SHALL REMAIN THE PROPERTY OF ALPINE. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF ALPINE IS STRICTLY PROHIBITED. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL INFORMATION PROVIDED TO ALPINE. ALPINE SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY ARISING FROM THE USE OF THIS DRAWING. FOR MORE INFORMATION SEE THIS JOB'S GENERAL NOTES PAGE AND THESE WEB AFTER: ALPINE WEBSITE: WWW.ALPINETRAUSS.COM



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



07/12/2023

COA #0278

Florida Certificate of Product Approval #FL 1999

REF NAIL SPACE

DATE 10/01/14

DRWG CANNAILSP1014

MINIMUM NAIL SPACING DISTANCES

DISTANCES				
NAIL TYPE	A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"

Gable Stud Reinforcement Detail

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

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

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

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

Max Gable Vertical Length	Gable Vertical Spacing	2x4 Vertical Species	Brace Grade	No Braces	(1) 1x4 'L' Brace ■										(2) 2x4 'L' Brace ■■										(1) 2x6 'L' Brace ■■■										(2) 2x6 'L' Brace ■■■■									
					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 A		Group B													
12" o.c.	SPF	#1 / #2	#1 / #2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	Group B	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 A	Group B	Group A	Group B														
					6' 2"	6' 7"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"																															
					6' 2"	6' 6"	8' 1"	8' 5"	9' 8"	10' 0"	12' 8"	13' 2"	14' 0"																															
					5' 3"	5' 7"	7' 0"	7' 6"	9' 6"	10' 0"	11' 0"	11' 10"	14' 0"																		14' 0"													
					4' 2"	7' 3"	8' 3"	8' 7"	9' 10"	10' 3"	13' 0"	13' 6"	14' 0"																		14' 0"													
24" o.c.	SP	#2	#2	4' 1"	6' 11"	7' 2"	8' 2"	8' 6"	9' 9"	10' 2"	12' 10"	13' 4"	14' 0"	Group B	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 A	Group B	Group A	Group B														
					5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"																		14' 0"													
					5' 7"	5' 11"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"																		14' 0"													
					4' 0"	5' 7"	7' 5"	7' 11"	9' 8"	10' 1"	11' 7"	12' 5"	14' 0"																		14' 0"													
					3' 9"	4' 11"	5' 13"	6' 6"	7' 0"	8' 10"	9' 6"	10' 3"	11' 0"																		13' 11"	14' 0"												
16" o.c.	SPF	#1 / #2	#1 / #2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	Group B	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 A	Group B	Group A	Group B	Group A	Group B													
					7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"																				14' 0"	14' 0"											
					7' 6"	8' 3"	9' 3"	9' 7"	11' 0"	11' 6"	14' 0"	14' 0"																				14' 0"	14' 0"											
					6' 5"	6' 10"	8' 7"	9' 2"	11' 0"	11' 6"	13' 6"	14' 0"																				14' 0"	14' 0"											
					4' 10"	8' 0"	9' 6"	9' 10"	11' 3"	11' 9"	14' 0"	14' 0"																				14' 0"	14' 0"											
12" o.c.	SP	#2	#2	4' 8"	7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"	Group B	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 A	Group B	Group A	Group B	Group A	Group B													
					7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	14' 0"	14' 0"																				14' 0"	14' 0"											
					7' 11"	8' 3"	9' 4"	9' 9"	11' 2"	11' 7"	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"											
					4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"																				14' 0"	14' 0"											
12" o.c.	DFL	Stud	Stud	4' 7"	6' 10"	7' 3"	9' 1"	9' 8"	11' 1"	11' 6"	14' 0"	14' 0"	Group B	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 A	Group B	Group A	Group B	Group A	Group B													
					6' 0"	6' 5"	8' 0"	8' 7"	10' 10"	11' 6"	14' 0"	14' 0"																				14' 0"	14' 0"											
					6' 0"	6' 5"	8' 0"	8' 7"	10' 10"	11' 6"	14' 0"	14' 0"																				14' 0"	14' 0"											
					5' 2"	8' 9"	9' 1"	10' 4"	10' 9"	12' 3"	14' 0"	14' 0"																				14' 0"	14' 0"											
					5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	14' 0"	14' 0"																				14' 0"	14' 0"											
12" o.c.	DFL	Stud	Stud	4' 10"	6' 11"	7' 4"	9' 3"	9' 10"	12' 2"	12' 8"	14' 0"	14' 0"	Group B	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 A	Group B	Group A	Group B	Group A	Group B													
					6' 11"	7' 4"	9' 3"	9' 10"	12' 2"	12' 8"	14' 0"	14' 0"																				14' 0"	14' 0"											
					6' 11"	7' 4"	9' 3"	9' 10"	12' 2"	12' 8"	14' 0"	14' 0"																				14' 0"	14' 0"											
					5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	14' 0"	14' 0"																				14' 0"	14' 0"											
					5' 0"	7' 10"	8' 4"	10' 3"	10' 8"	12' 2"	14' 0"	14' 0"																				14' 0"	14' 0"											

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially Enclosed, Exp. C, Kzt=1.00

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

*** Attach each valley to every supporting truss with 535# connection or with (1) Simpson H25A or equivalent connector for

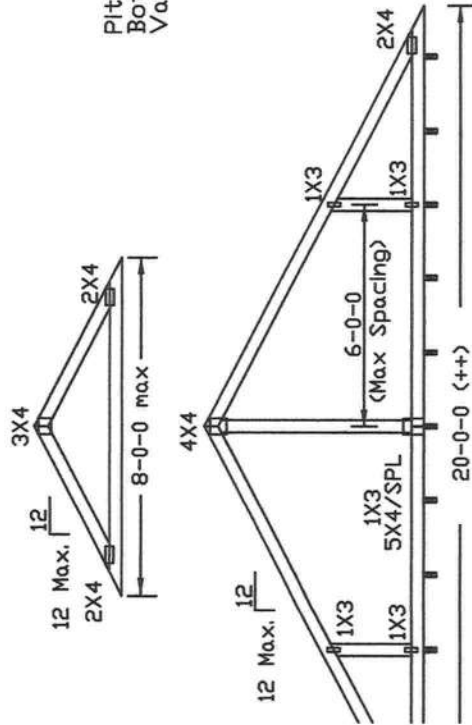
ASCE 7-16 180 mph, 30' Mean Height, Part. Enc. Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00

Or
ASCE 7-16 160 mph, 30' Mean Height, Part. Enc. Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut as shown.

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

All plates shown are Alpine Wave Plates.



Supporting trusses at 24' o.c. maximum spacing.

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

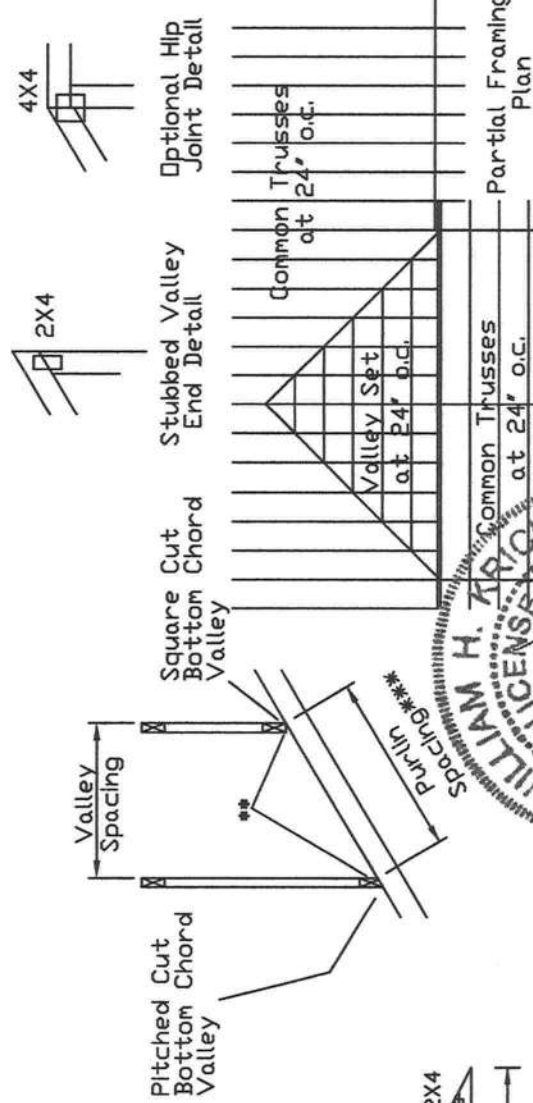
Top chord of truss beneath valley set must be braced with properly attached, rated sheathing applied prior to valley truss installation.

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

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

*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does not exceed 14'-0".



REVISIONS: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THE INSTALLER SHALL BE RESPONSIBLE FOR OBTAINING THE LATEST EDITION OF THE TRUSS MANUFACTURING GUIDE (TMG) AND THE TRUSS MANUFACTURING GUIDE (TMG) SHALL BE USED FOR ALL TRUSS MANUFACTURING.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the Truss Manufacturing Guide (TMG) for all truss manufacturing practices prior to performing these functions. Installers shall provide temporary bracing per ASCE 7-16. 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 to apply to the truss shall be used for all trusses. Refer to drawings 1604-2 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 of the truss. The actuality and use of this drawing for any purpose is the responsibility of the user. For more information see this job's general notes page and these web sites: www.alpinebuildingcomponents.com www.alpinebuildingcomponents.com www.alpinebuildingcomponents.com



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



TC	LL	30	40PSF	REF	VALLEY DETAIL
TC	DL	20	15	7 PSF	DATE 01/26/2018
BC	DL	10	10	10 PSF	DRWG VAL180160118
BC	LL	0	0	0 PSF	
TOT.	L.D.	60	55	57PSF	
DURFAC	125	1.33	1.15		
SPACING	24.0				

COA #0 278
Florida Certificate of Approval #115
SPACING 24.0

Valley Detail - ASCE 7-16: 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

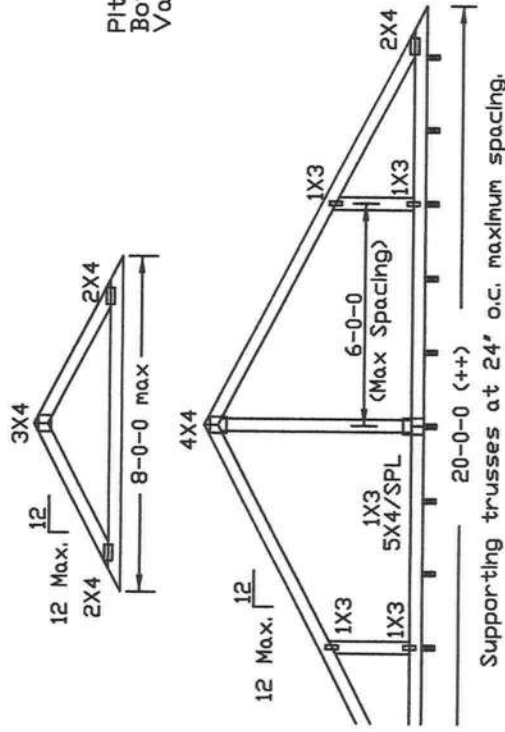
*** Attach each valley to every supporting truss with:
(2) 16d box (0.135" x 3.5") nails toe-nailed for
ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
170 mph for SP (G = 0.55, min.),
155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

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

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

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

All plates shown are Alpine Wave Plates.



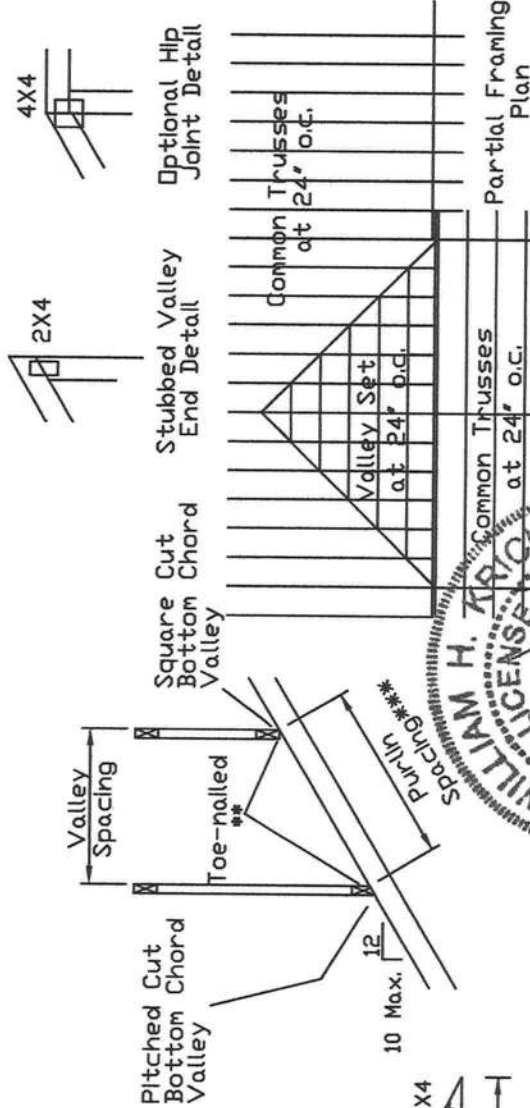
Unless specified otherwise on engineer's sealed design, for vertical
valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of
web, same species and grade or better, attached with 10d box
(0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous
Lateral Restraint applied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

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

Or
Purlins at 24' o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on
Engineer's sealed design.

*** Note that the purlin spacing for bracing the top chord of the truss
beneath the valley is measured along the slope of the top chord.

++ Larger spans may be built as long as the vertical height does
not exceed 14'-0".



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the
latest edition of BCSI Building Component Safety Information, by TPI and SCAI for safety
instructions to performing these functions. Installers shall provide temporary bracing per BCSI
instructions. Trusses shall be properly attached structural sheathing and bottom chord
sheathing shall be braced installed per BCSI sections 33, 37 or 39, as applicable. Apply plates to each
of truss and position as shown above and on the Joint Details, unless noted otherwise.
Refer to drawings 160H-2 for standard plate positions.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation
from the building code, or for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,
installing, any failure to follow the instructions, or for any failure to follow the instructions.
A seal on this drawing or cover page listing this drafter, indicates acceptance of professional
engineering responsibility solely for the design shown. The suitability and use of the design
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.tpi.org SCAI: www.scai-components.com IDO: www.ido.com

TC LL	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE 01/26/2018
BC DL	10	10	10PSF	DRWG VALTN160118
BC LL	0	0	0PSF	
TOT. LD.	60	55	57PSF	
DUR. AC. 12/23/2023	1.15			
FLORIDA CERTIFICATE OF PRODUCT APPROVAL #PF-1999				
SPACING	24.0			

WILLIAM H. KRICK
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
COA #0 278
Florida Certificate of Product Approval #PF-1999

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