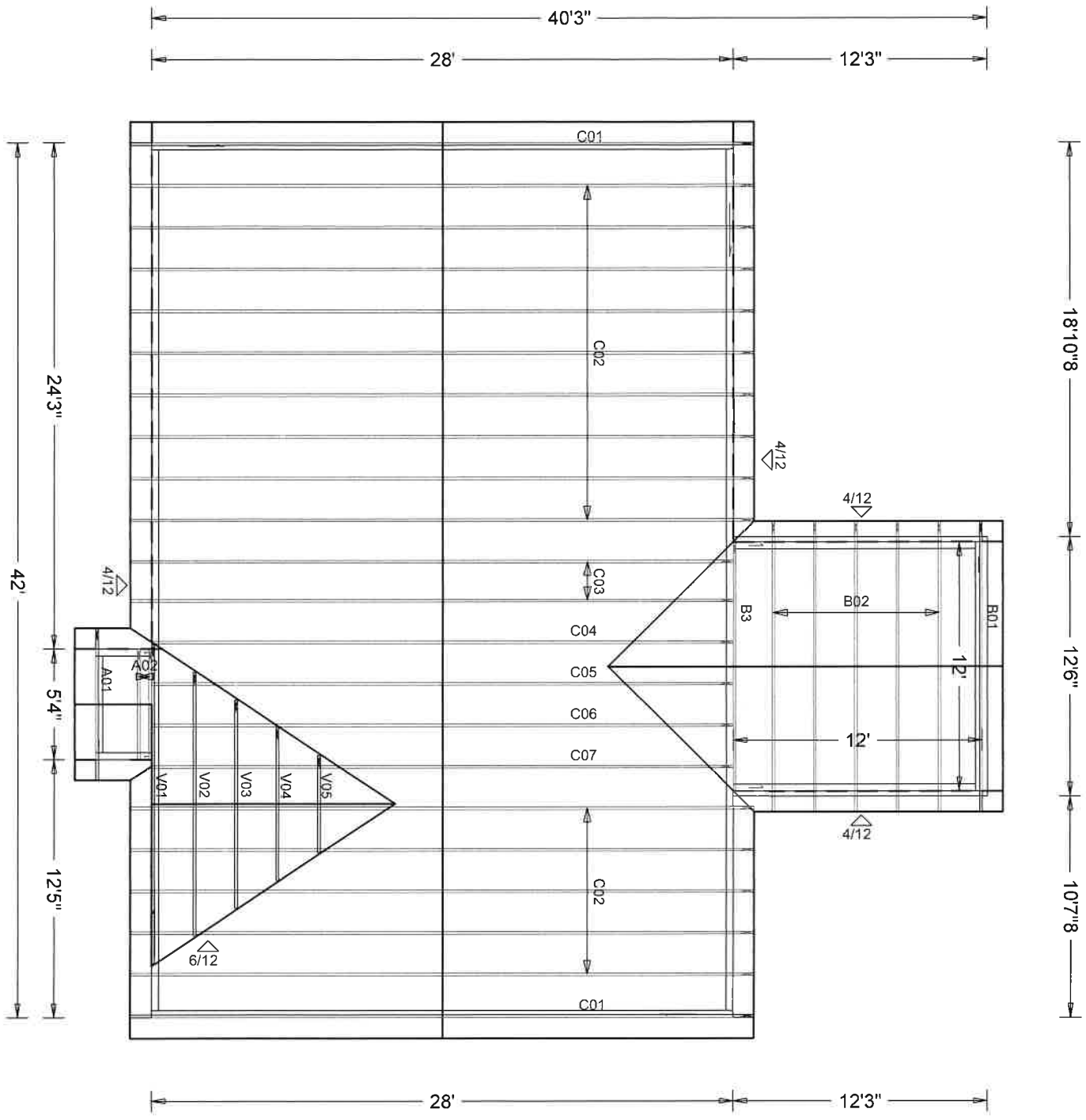


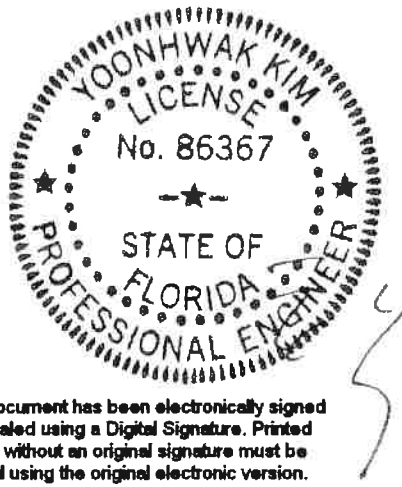


W. B. Howland Truss Co.
610 11th St. SW
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (Fax)
howlandtruss@gmail.com

ROOF PITCH: 4/12
OVERHANG: 1'
CEILING: 8'
EXT. WALLS: 4"
LOADING: 40psf
WIND LOAD: 130mph
EXPOSURE: B
DATE: 10/3/22

JOB #: 22-8026

Job Name: Jefferson (Aspen "Brick")
Customer: Red Door Homes
Designer: Kelly Caudill
ADDRESS:
SALESMAN: RL
: <Not Found>



This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.



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

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

10/03/2022

Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-8026
Job Description: Jefferson (Aspen "Brick")	
Address: FL	

Job Engineering Criteria:
Design Code: FBC 7th Ed. 2020 Res.
IntelliVIEW Version: 21.02.01
JRef #: 1XJH2150005
Wind Standard: ASCE 7-16 Wind Speed (mph): 130
Design Loading (psf): 40.00
Building Type: Closed

This package contains general notes pages, 17 truss drawing(s) and 4 detail(s).

Item	Drawing Number	Truss
1	276.22.1501.12147	A01
3	276.22.1501.01863	B01
5	276.22.1500.57990	B3
7	276.22.1500.54497	C02
9	276.22.1500.51430	C04
11	276.22.1500.47453	C06
13	276.22.1500.43450	V01
15	276.22.1500.41077	V03
17	276.22.1500.36267	V05
19	VALTN160118	
21	GBLLETIN0118	

Item	Drawing Number	Truss
2	276.22.1501.09590	A02
4	276.22.1501.00457	B02
6	276.22.1500.56453	C01
8	276.22.1500.53070	C03
10	276.22.1500.49407	C05
12	276.22.1500.45397	C07
14	276.22.1500.42177	V02
16	276.22.1500.38447	V04
18	VAL180160118	
20	A14015ENC160118	

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 TCCL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

TCCL = 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.

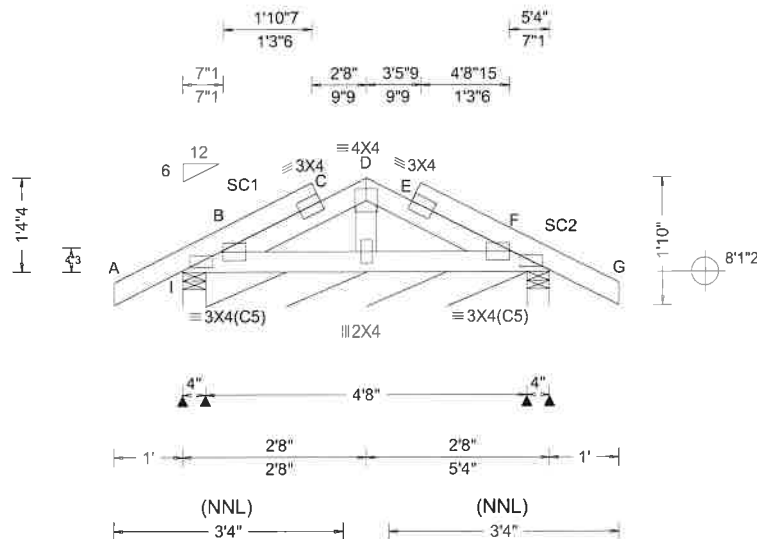
Refer to ASCE-7 for Wind and Seismic abbreviations.

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: 446289 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: A01	Cust: R 215 JRef: 1XJH2150005 T8 DrwNo: 276.22.1501.12147 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 E 999 240 VERT(CL): 0.002 E 999 180 HORZ(LL): -0.001 E - - HORZ(TL): 0.001 E - - Creep Factor: 2.0 Max TC CSI: 0.111 Max BC CSI: 0.039 Max Web CSI: 0.025 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I 187 -/- /114 /16 /38 B* 42 -/- /25 /- /- F 187 -/- /120 /16 /- Wind reactions based on MWFRS I Brg Wid = 4.0 Min Req = 1.5 (Truss) B Brg Wid = 56.0 Min Req = - F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings I, B, & F 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(C5) 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 14'-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Department of Transportation, Division 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 SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.

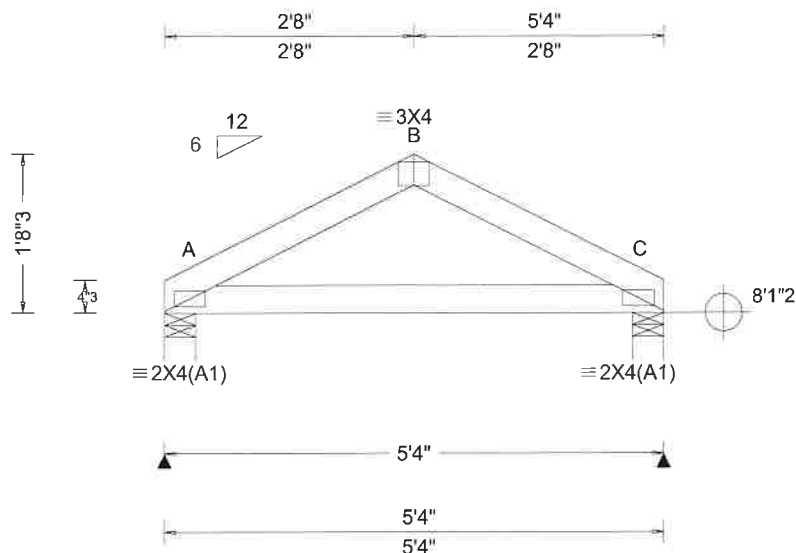
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



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

SEQN: 446290 FROM: CDM	COMN Qty: 2	Ply: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: A02	Cust: R 215 JRef: 1XJH2150005 T6 DrwNo: 276.22.1501.09590 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 A 999 240 VERT(CL): 0.006 A 999 180 HORZ(LL): 0.001 A - - HORZ(TL): 0.003 A - - Creep Factor: 2.0 Max TC CSI: 0.090 Max BC CSI: 0.174 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 220 /- /- /122 /6 /23 C 220 /- /- /122 /6 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) C Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375#

Lumber

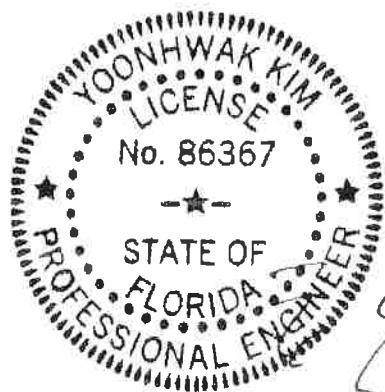
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

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 1-8-3.



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Florida Certificate of Product Approval #FL 1999

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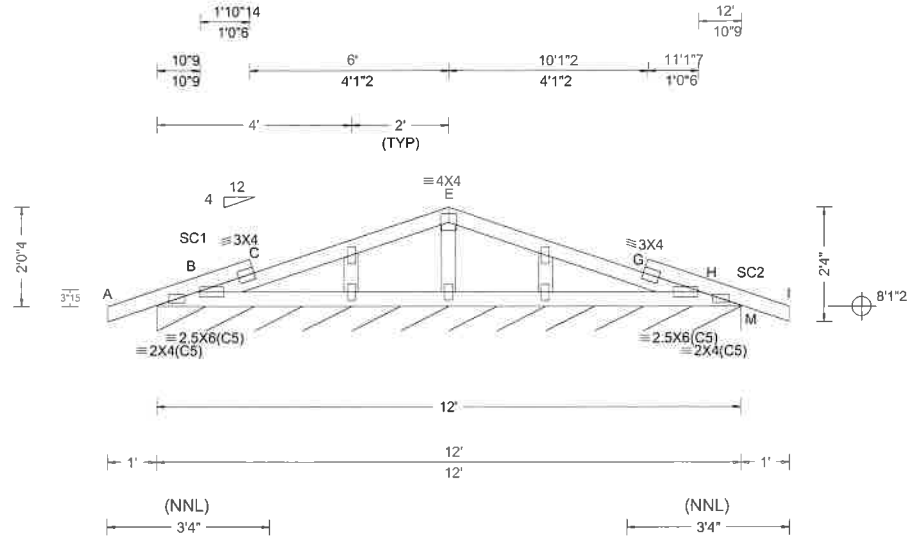
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



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

SEQN: 446291 FROM: CDM	GABL Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: B01	Cust: R 215 JRef: 1XJH2150005 T21 DrwNo: 276.22.1501.01863 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 C 999 240 VERT(CL): 0.011 C 999 180 HORZ(LL): 0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.137 Max BC CSI: 0.085 Max Web CSI: 0.050 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity M* 92 /- /- /45 /4 /3 Wind reactions based on MWFRS M Brg Wid = 144 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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 2'-0-4."



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Seal of Professional Approval #FL 1999

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

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

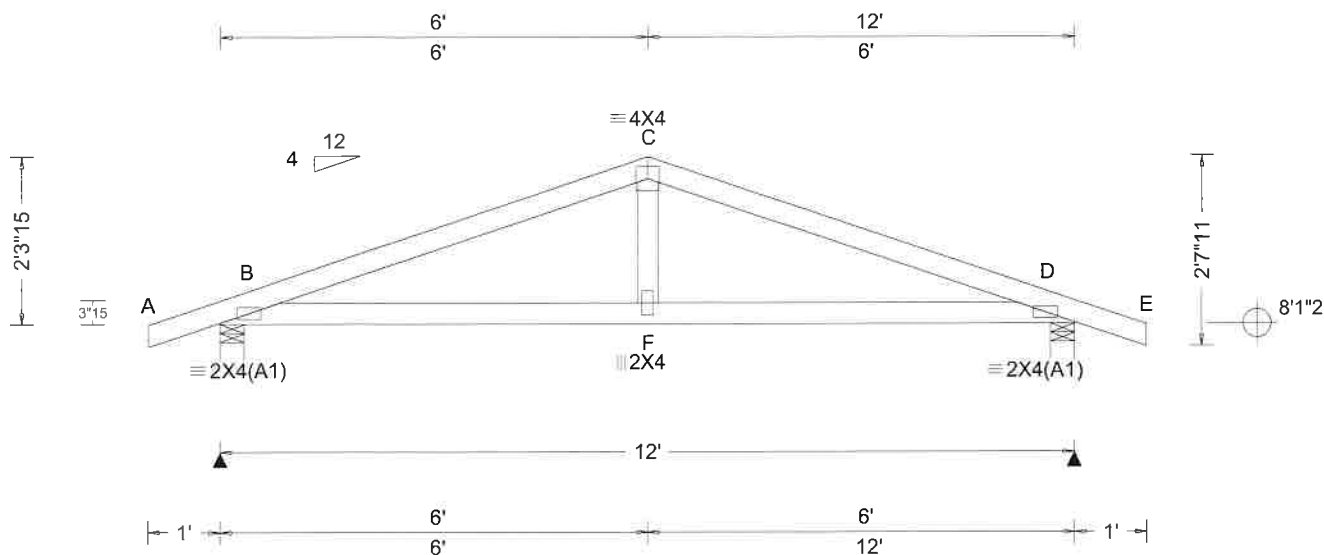
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.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:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity	
TCCL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL): 0.021 F 999 240	Loc	R+
BCCL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.041 F 999 180	/ R-	/ Rh
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL): 0.007 D - -	/ Rw	/ U
Des Ld:	40.00	EXP: B	Kzt: NA				HORZ(TL): 0.014 D - -	/ RL	
NCBCLL:	10.00	Mean Height:	15.00 ft	Building Code:	FBC 7th Ed. 2020 Res.		Creep Factor:	2.0	
Soffit:	2.00	TCCL:	5.0 psf	TPI Std:	2014		Max TC CSI:	0.309	
Load Duration:	1.25	BCDL:	5.0 psf	Rep Fac:	Yes		Max BC CSI:	0.445	
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	FT/RT:	20(0)/10(0)		Max Web CSI:	0.098	
		C&C Dist a:	3.00 ft	Plate Type(s):			VIEW Ver:	21.02.01.1214.12	
		Loc. from endwall:	Any	WAVE					
		GCpi:	0.18						
		Wind Duration:	1.60						

Gravity		Non-Gravity	
Loc	R+	/ R-	/ Rh
B	552	-	-
D	552	-	-
Wind reactions based on MWFRS			
B	Brg Wid = 4.0	Min Req = 1.5 (Truss)	
D	Brg Wid = 4.0	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	409 -867	C - D	409 -867

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	781 -297	F - D	781 -297

Lumber

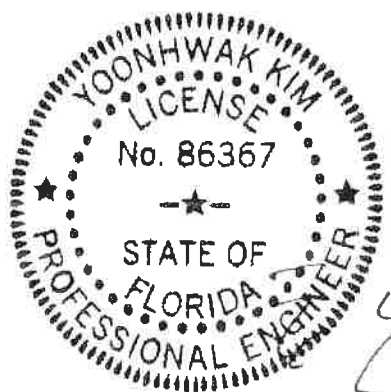
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 2'-3-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

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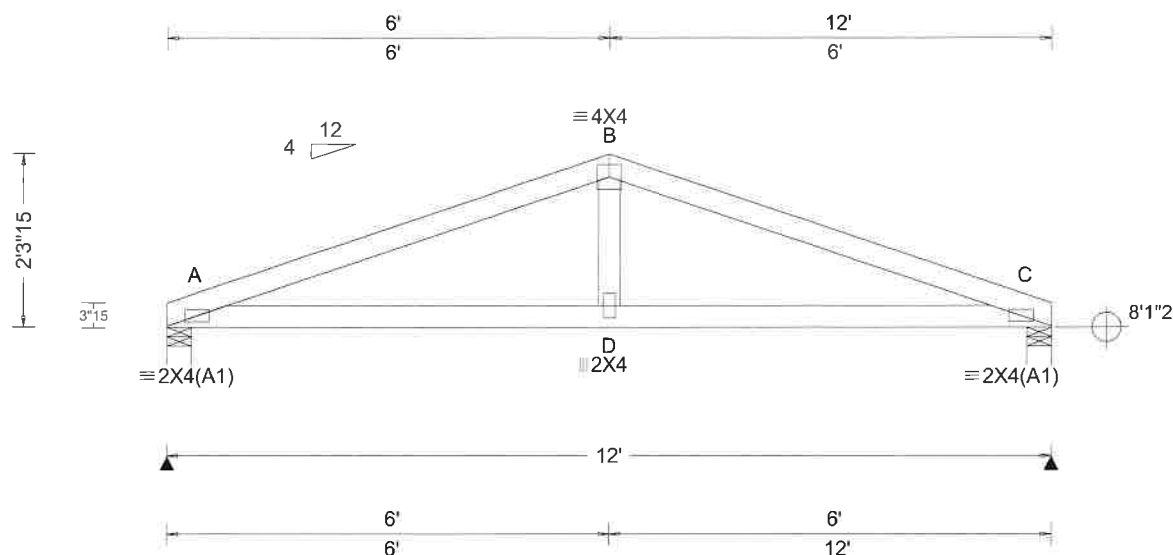
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446293 FROM: CDM	COMN	Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: B3	Cust: R 215 JRef: 1XJH2150005 T2 DrwNo: 276.22.1500.57990 KD / YK 10/03/2022
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA	Ce: NA		VERT(LL): 0.020 D 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.041 D 999 180	A	486	/-	/-	/265	/19	/30
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): 0.007 C - -	C	486	/-	/-	/265	/19	/-
Des Ld:	40.00	EXP: B	Kzt: NA			Building Code:	HORZ(TL): 0.014 C - -	Wind reactions based on MWFRS						
NCBCLL:	10.00	Mean Height:	15.00 ft			FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	A Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Soffit:	2.00	TCDL:	5.0 psf			TPI Std: 2014	Max TC CSI: 0.325	C Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Load Duration:	1.25	BCDL:	5.0 psf			Rep Fac: Yes	Max BC CSI: 0.456	Bearings A & C are a rigid surface.						
Spacing:	24.0 "	C&C Dist a:	3.00 ft			FT/RT:20(0)/10(0)	Max Web CSI: 0.100	Members not listed have forces less than 375#						
		Loc. from endwall:	not in 9.00 ft			Plate Type(s):	VIEW Ver: 21.02.01.1214.12	▲ Maximum Top Chord Forces Per Ply (lbs)						
		GCpi:	0.18					Chords	Tens.Comp.	Chords	Tens. Comp.			
		Wind Duration:	1.60	WAVE				A - B	267	-897	B - C	266	-897	

Lumber

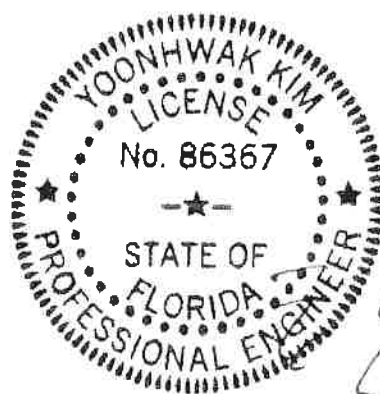
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 2'-3-15.

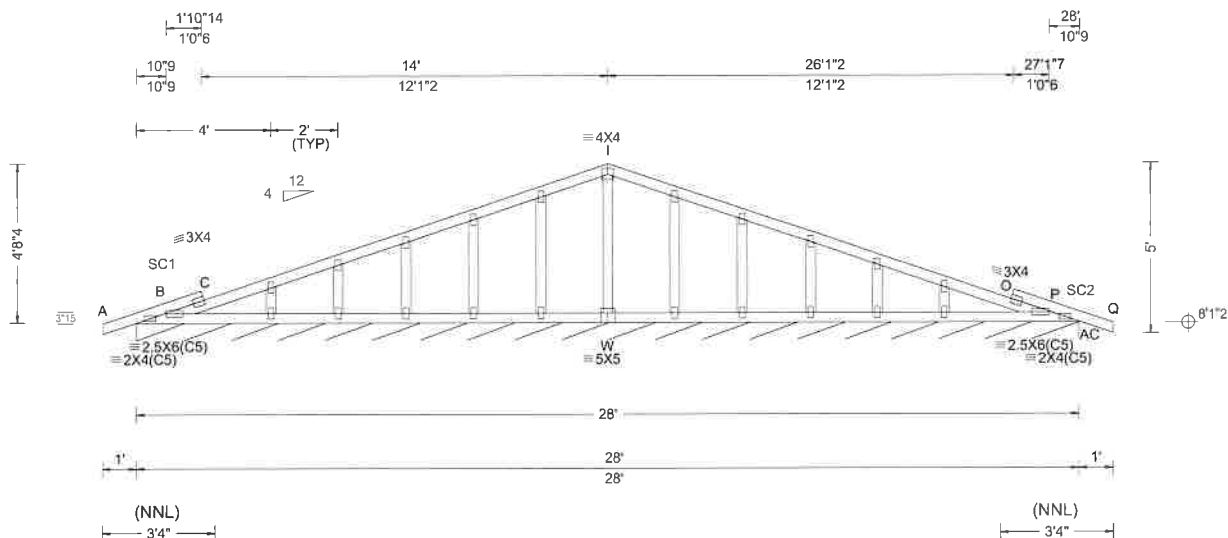


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446294 FROM: CDM	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: C01	Cust: R 215 JRef: 1XJH2150005 T13 DrwNo: 276.22.1500.56453 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.006 O 999 240 VERT(CL): 0.012 O 999 180 HORZ(LL): 0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.122 Max BC CSI: 0.090 Max Web CSI: 0.051 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AC*86 /- /- /43 /4 /3 Wind reactions based on MWFRS AC Brg Wid = 335 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

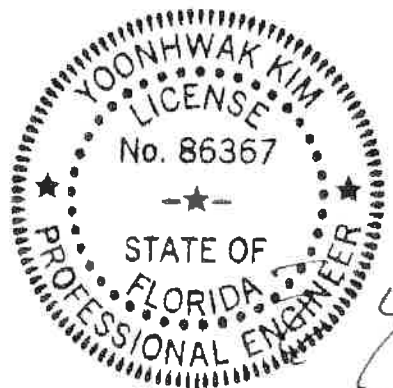
All plates are 2X4 except as noted.

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 4-8-4.



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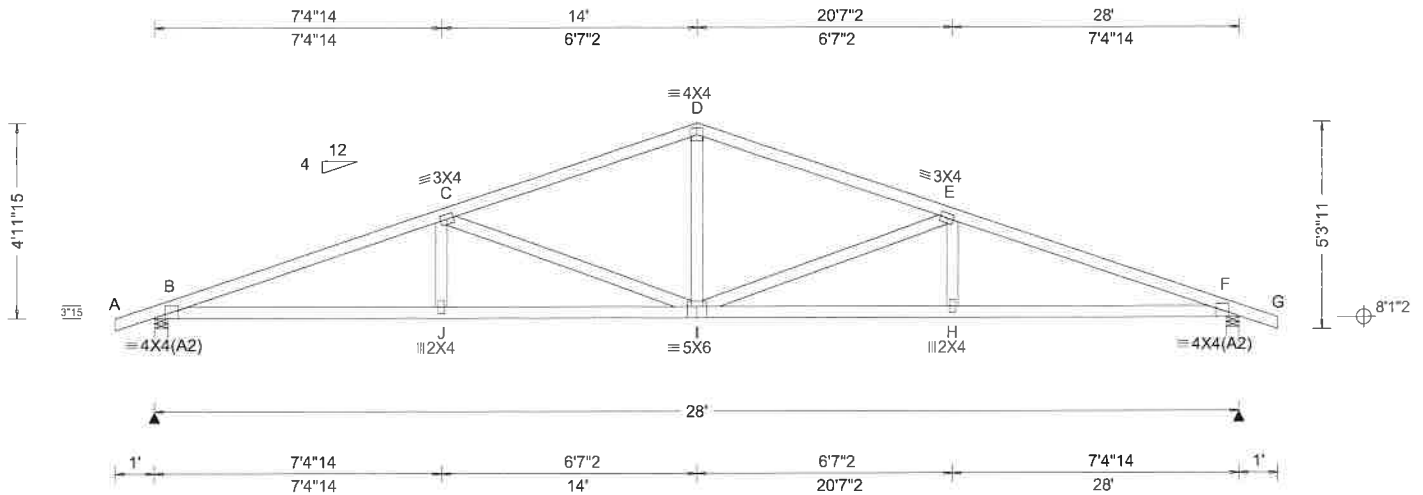
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	1200	/-	/-	/660	/56	/80
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.163 I 999 240	F	1200	/-	/-	/660	/56	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.325 I 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 F - -	B Brg Wid = 4.0 Min Req = 1.5 (Truss)						
	EXP: B Kzt: NA		HORZ(TL): 0.110 F - -	F Brg Wid = 4.0 Min Req = 1.5 (Truss)						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings B & F are a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.650	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.768	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.809	Chords	Tens.Comp.		Chords	Tens. Comp.		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		B - C	418 -2697		D - E	354 -1858		
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		C - D	354 -1858		E - F	418 -2697		
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12							

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-11-15.



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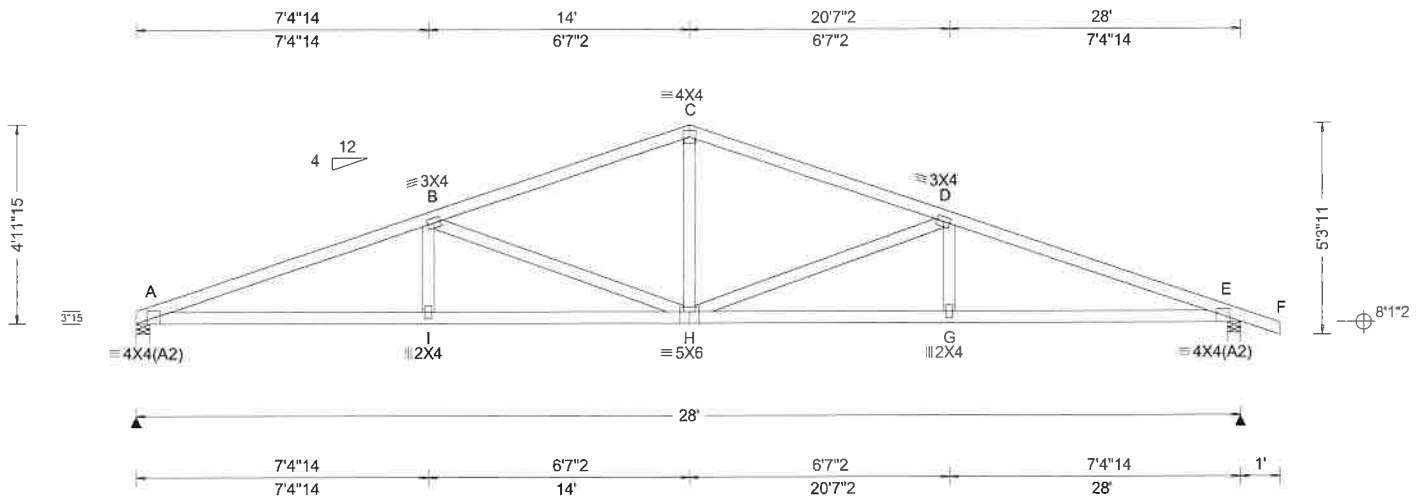
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446296 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: C03	Cust: R 215 JRef: 1XJH2150005 T17 DrwNo: 276.22.1500.53070 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 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): 0.162 H 999 240 VERT(CL): 0.325 H 999 180 HORZ(LL): 0.055 E - - HORZ(TL): 0.110 E - - Creep Factor: 2.0 Max TC CSI: 0.679 Max BC CSI: 0.794 Max Web CSI: 0.821 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1134 /- /- /618 /47 /76 E 1202 /- /- /660 /56 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 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 365 -2714 C - D 295 -1862 B - C 297 -1862 D - E 361 -2702 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - I 2519 -283 H - G 2502 -286 I - H 2513 -285 G - E 2507 -283 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 153 -868 H - D 150 -855 C - H 757 -42

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-11-15.

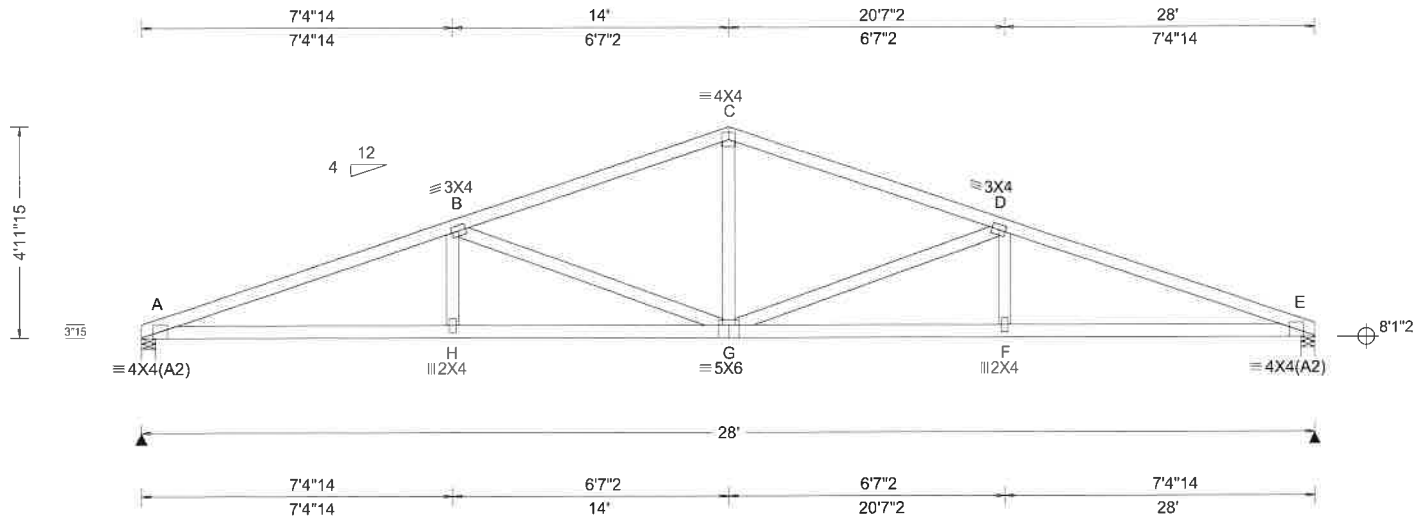


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Glenview, IL 60025

SEQN: 446297 FROM: CDM	COMN Qty: 1	Ply: 1 Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: C04	Cust: R 215 JRef: 1XJH2150005 T11 DrwNo: 276.22.1500.51430 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 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): 0.161 G 999 240 VERT(CL): 0.326 G 999 180 HORZ(LL): 0.055 E - - HORZ(TL): 0.111 E - - Creep Factor: 2.0 Max TC CSI: 0.679 Max BC CSI: 0.795 Max Web CSI: 0.822 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1135 -/- /- /618 /47 /69 E 1135 -/- /- /618 /47 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 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 366 -2718 C - D 298 -1867 B - C 298 -1867 D - E 366 -2719

Lumber

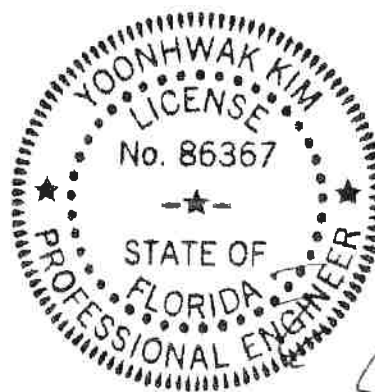
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

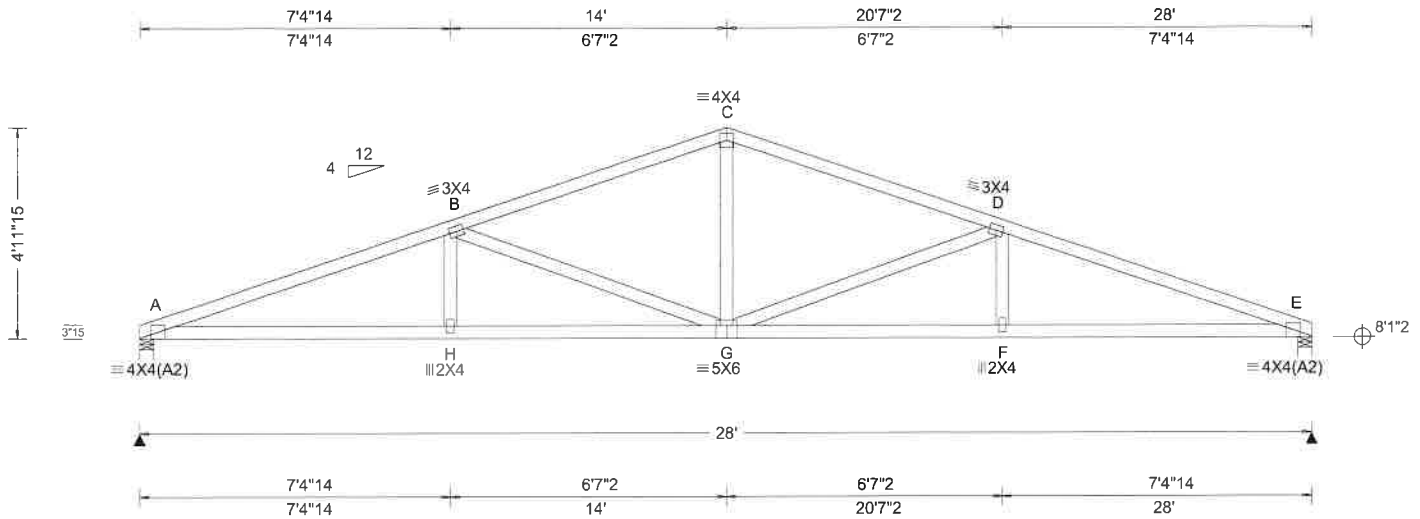
The overall height of this truss excluding overhang is 4-11-15.



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Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	A	1135	/-	/-	/618	/47	/69	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.161 G 999 240	E	1135	/-	/-	/618	/47	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.326 G 999 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 E - -	A Brg Wid = 4.0 Min Req = 1.5 (Truss)							
	EXP: B Kzt: NA		HORZ(TL): 0.111 E - -	E Brg Wid = 4.0 Min Req = 1.5 (Truss)							
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings A & E are a rigid surface.							
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.679	Members not listed have forces less than 375#							
Soffit: 2.00	BCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max BC CSI: 0.795	Maximum Top Chord Forces Per Ply (lbs)							
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.822	Chords		Tens.Comp.		Chords		Tens. Comp.	
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		A - B	366 - 2718		C - D		298 - 1867		
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		B - C	298 - 1867		D - E		366 - 2719		
	GCpi: 0.18	Plate Type(s):									
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12								

Lumber

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

Wind

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

Additional Notes

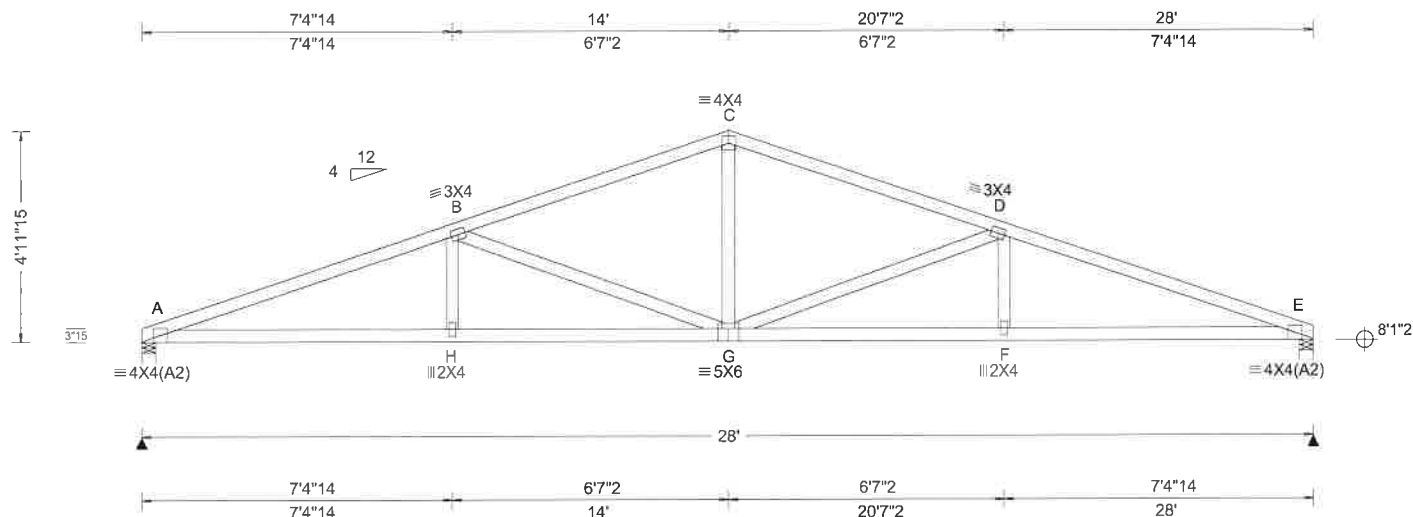
The overall height of this truss excluding overhang is 4'-11-15.



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Florida Certificate of Product Approval #FL 1999

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SEQN: 446299 FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: C06	Cust: R 215 JRef: 1XJH2150005 T4 DrwNo: 276.22.1500.47453 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#								
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.161 G 999 240	A	1135	/-	/-	/618	/47	/69	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.326 G 999 180	E	1135	/-	/-	/618	/47	/-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 E - -	Wind reactions based on MWFRS							
	EXP: B Kzt: NA		HORZ(TL): 0.111 E - -	A Brg Wid = 4.0 Min Req = 1.5 (Truss)							
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	E Brg Wid = 4.0 Min Req = 1.5 (Truss)							
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.679	Bearings A & E are a rigid surface.							
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.795	Members not listed have forces less than 375#							
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.822	Maximum Top Chord Forces Per Ply (lbs)							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Chords	Tens.Comp.	Chords	Tens. Comp.				
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 21.02.01.1214.12	A - B	366	-2718	C - D	298	-1867		
	GCpi: 0.18	WAVE		B - C	298	-1867	D - E	366	-2718		
	Wind Duration: 1.60										

Lumber

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

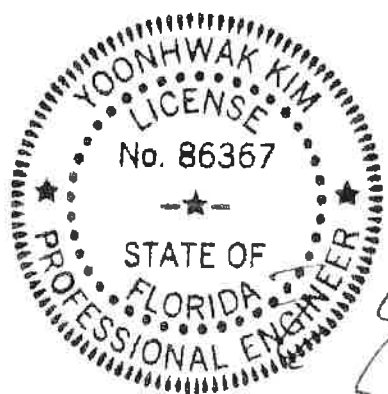
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 4-11-15.

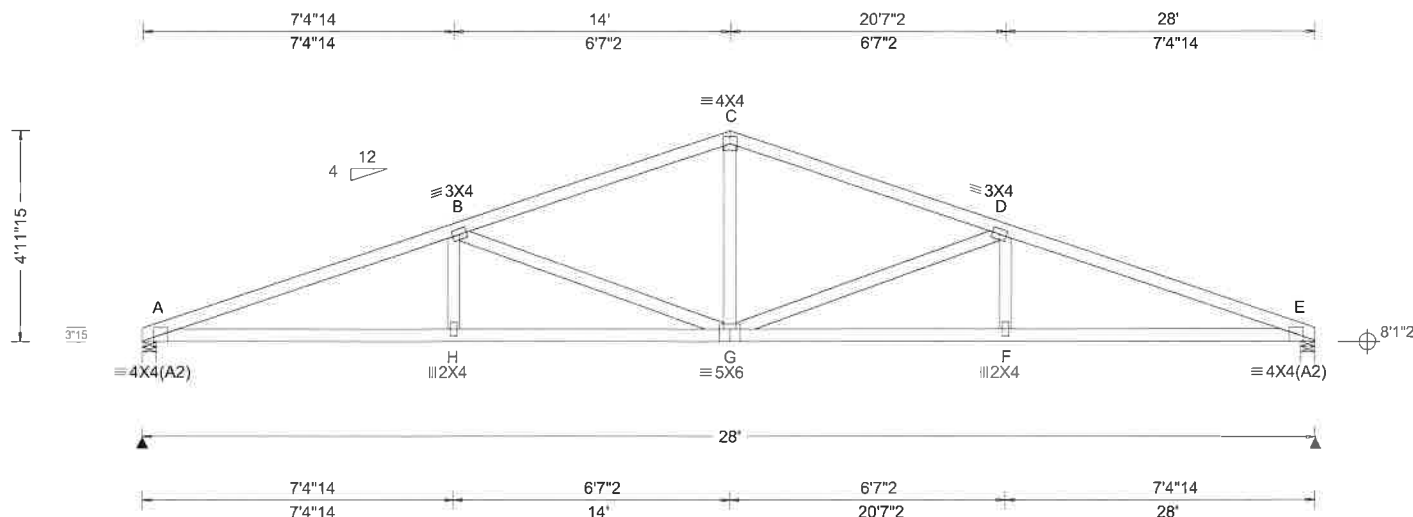


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North Building, 4th Floor
Glenview, IL 60025

SEQN: 446300 FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: C07	Cust: R 215 JRef: 1XJH2150005 T5 DrwNo: 276.22.1500.45397 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 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): 0.161 G 999 240 VERT(CL): 0.326 G 999 180 HORZ(LL): 0.055 E - - HORZ(TL): 0.111 E - - Creep Factor: 2.0 Max TC CSI: 0.679 Max BC CSI: 0.795 Max Web CSI: 0.822 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1135 -/- /- /618 /47 /69 E 1135 -/- /- /618 /47 /- Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 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 366 -2718 C - D 298 -1867 B - C 298 -1867 D - E 366 -2719

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-11-15.

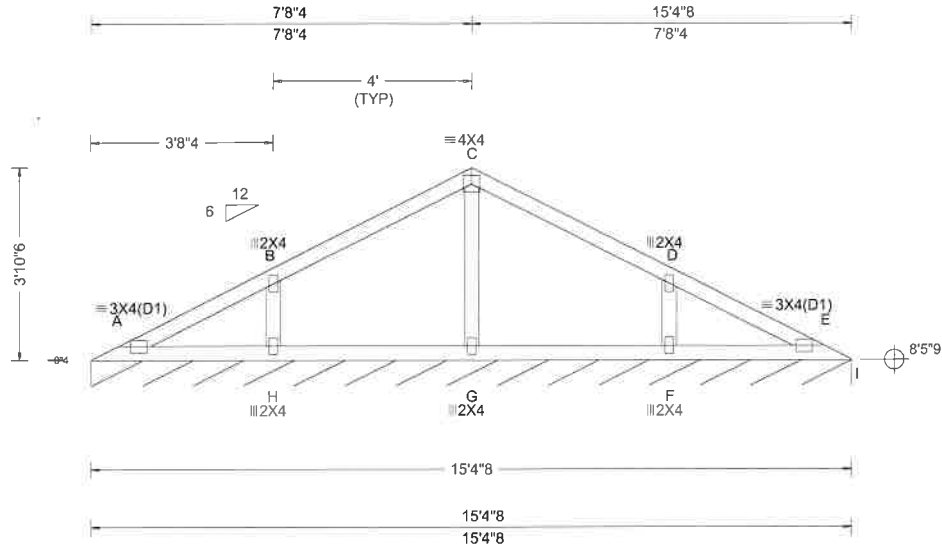


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Florida Certificate of Product Approval #FL 1999

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

SEQN: 446301 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: V01	Cust: R 215 JRef: 1XJH2150005 T1 DrwNo: 276.22.1500.43450 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
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: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 E 999 240 VERT(CL): 0.008 E 999 180 HORZ(LL): -0.001 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.276 Max BC CSI: 0.127 Max Web CSI: 0.067 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL I* 82 /- /- /41 /2 /4 Wind reactions based on MWFRS I Brg Wid = 184 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

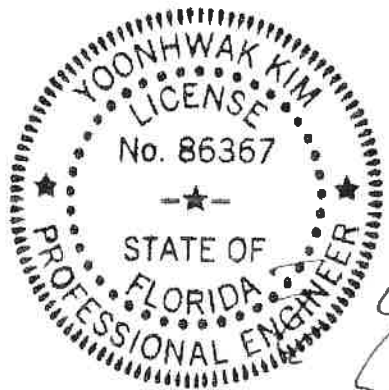
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 3-10-6.



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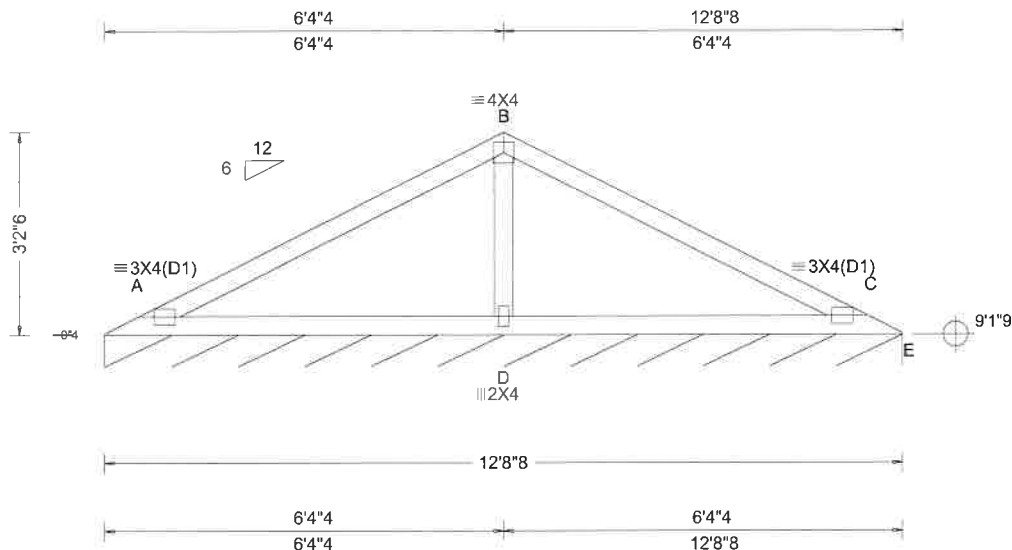
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446302 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: V02	Cust: R 215 JRef: 1XJH2150005 T9 DrwNo: 276 22.1500.42177 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.030 C 999 240 VERT(CL): 0.062 C 999 180 HORZ(LL): -0.012 C - - HORZ(TL): 0.025 C - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.472 Max Web CSI: 0.174 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /41 /1 /4 Wind reactions based on MWFRS E Brg Wid = 152 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 569 -223 B - C 569 -224 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 267 -447 D - C 267 -447 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 362 -757

Lumber

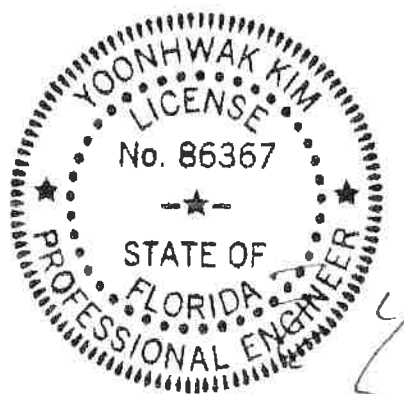
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 3-2-6.



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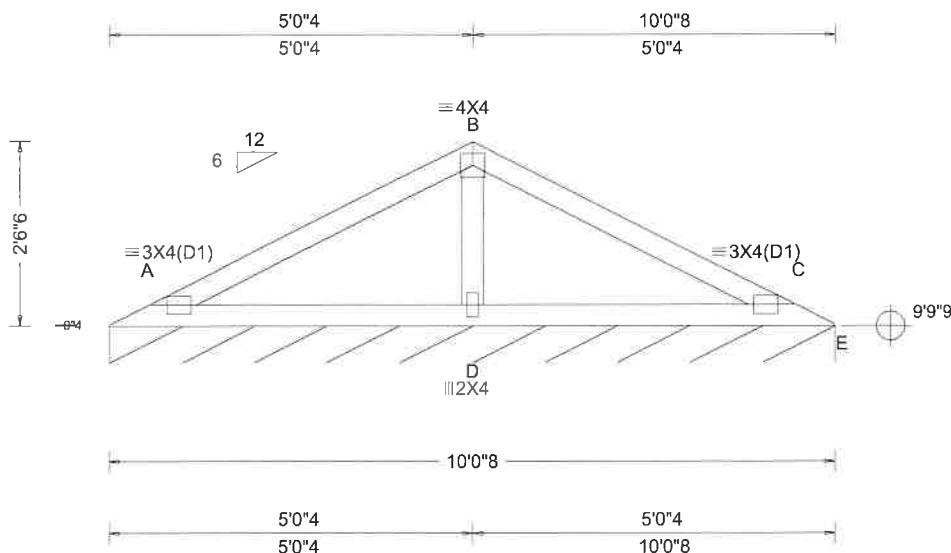
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446303 FROM: CDM	VAL Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: V03	Cust: R 215 JRef: 1XJH2150005 T10 DrwNo: 276.22.1500.41077 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.015 A 999 240 VERT(CL): 0.030 A 999 180 HORZ(LL): -0.006 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.326 Max BC CSI: 0.283 Max Web CSI: 0.103 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /40 /1 /4 Wind reactions based on MWFRS E Brg Wid = 120 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 214 -512

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 2'-6".



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Florida Certificate of Product Approval #FL 1999

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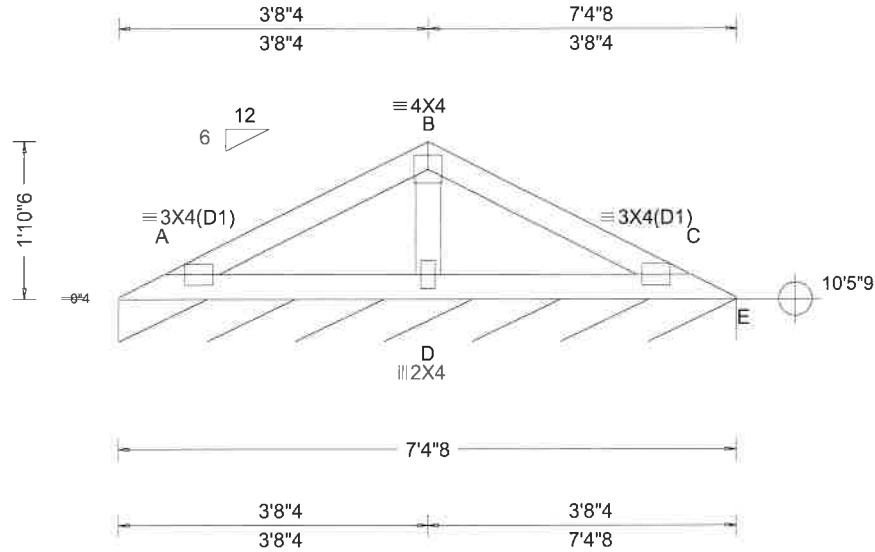
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 446304 FROM: CDM	VAL Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: V04	Cust: R 215 JRef: 1XJH2150005 T12 DrwNo: 276.22.1500.38447 KD / YK 10/03/2022
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs), or *-PLF						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	VERT(LL): 0.006 C	999 240	Gravity		Non-Gravity				
TCDL: 10.00	Speed: 130 mph	Pf: NA	Ce: NA		VERT(CL): 0.011 C	999 180		Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA	Cs: NA		HORZ(LL): -0.002 C	- -		E*	82	/-	/-	/39	/0	/4
BCDL: 10.00	Risk Category: II	Snow Duration: NA			HORZ(TL): 0.005 C	- -		Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: B Kzt: NA	Building Code:			Creep Factor: 2.0		E Brg Wid = 88.5 Min Req = -							
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.154		Bearing A is a rigid surface.							
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.140		Members not listed have forces less than 375#							
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes			Max Web CSI: 0.057									
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)												
	C&C Dist a: 3.00 ft	Plate Type(s):												
	Loc. from endwall: not in 4.50 ft	WAVE												
	GCpi: 0.18													
	Wind Duration: 1.60													
					</									

Lumber

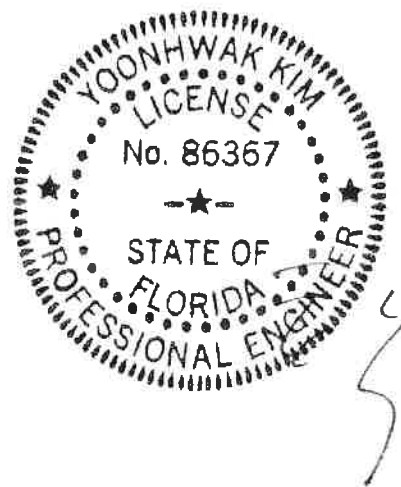
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.
The overall height of this truss excluding overhang is 1'-10"-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
10/03/2022
FL REG# 278, Yoonhwak Kim, FL PE #86367
10/03/2022

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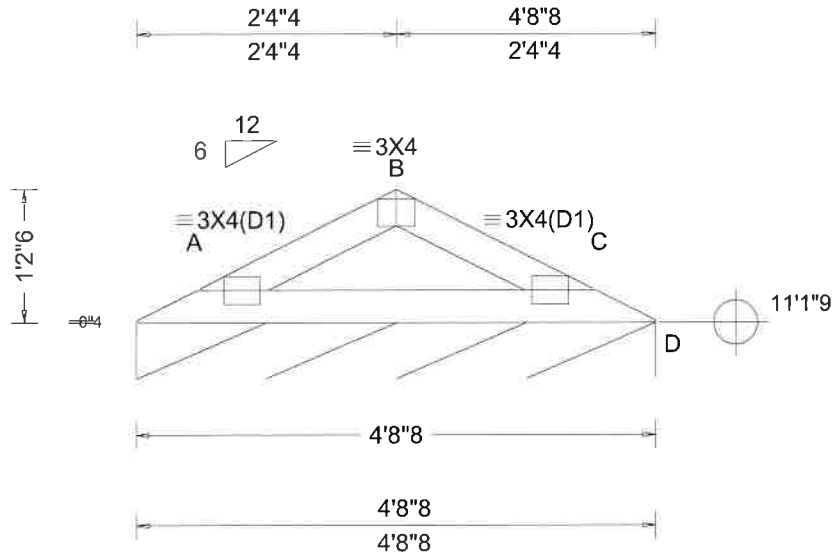
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



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

SEQN: 446305 FROM: CDM	VAL Qty: 1	Job Number: 22-8026 Jefferson (Aspen "Brick") Truss Label: V05	Cust: R 215 JRef: 1XJH2150005 T14 DrwNo: 276.22.1500.36267 KD / YK 10/03/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 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): 0.006 A 999 240 VERT(CL): 0.012 A 999 180 HORZ(LL): -0.002 A - - HORZ(TL): 0.004 A - - Creep Factor: 2.0 Max TC CSI: 0.108 Max BC CSI: 0.136 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 82 /- /- /37 /- /3 Wind reactions based on MWFRS D Brg Wid = 56.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.

The overall height of this truss excluding overhang is 1-2-6.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

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

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

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

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

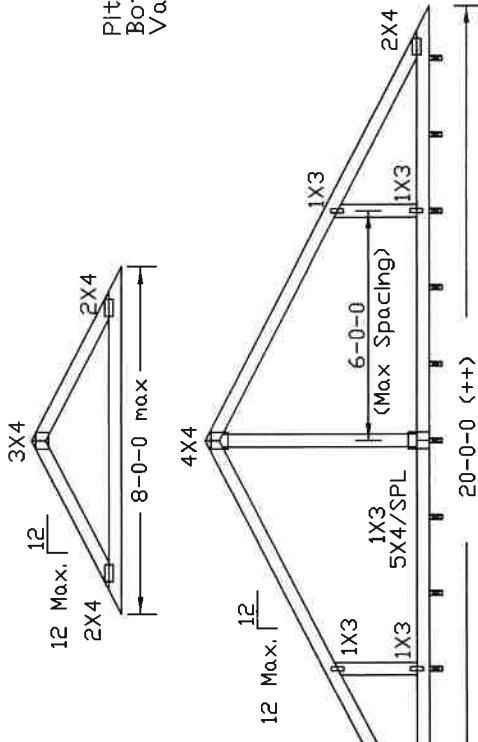
** Attach each valley to every supporting truss with:
535# connection or with (1) Simpson H2.5A or
equivalent connector for
ASCE 7-16 180 mph. 30' Mean Height, Part. Enc.
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or

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 DRWG BRCLBANC1014.

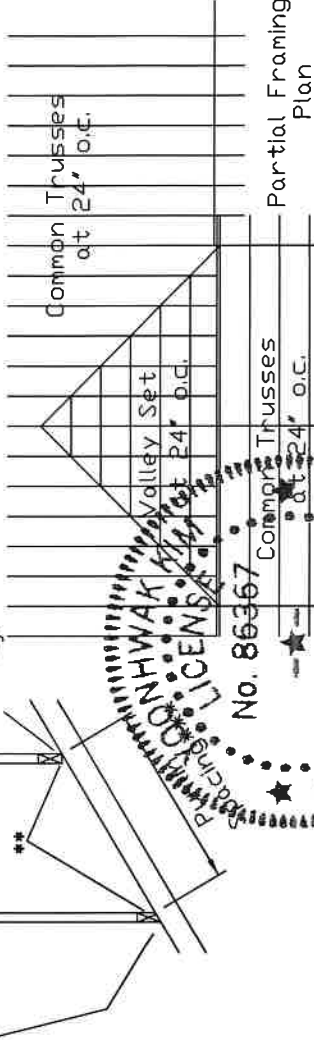
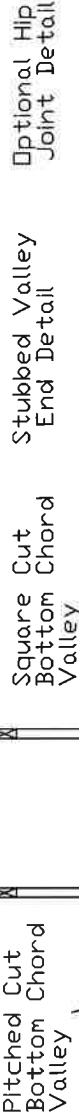
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss
Installation.

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

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

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

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



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING THE INSTALLERS
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 BCSP Building Component Safety Information by TPI and SCAO for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSP.
Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord
shall have bracing installed per BCSP sections 23, 27, or 210, as applicable. Apply plates to each face
of the truss. Refer to drawings 160A-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from
this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,
installation, or bracing of trusses.
A seal on this drawing or cover page listing the design shown. The suitability and use of this drawing
engineering responsibility solely for 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: www.alpinephoto.com TPI: www.tpiinst.org SCAO: www.scaocomponents.com IBC: www.ibc-usa.org



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

Yoonhwak Kim, EIT, PE #8367

TG	LL	30	40	PSF	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.	LD.	60	55	57	PSF	
DUR.FAC.	1.25/1.33	1.15	1.15			
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.

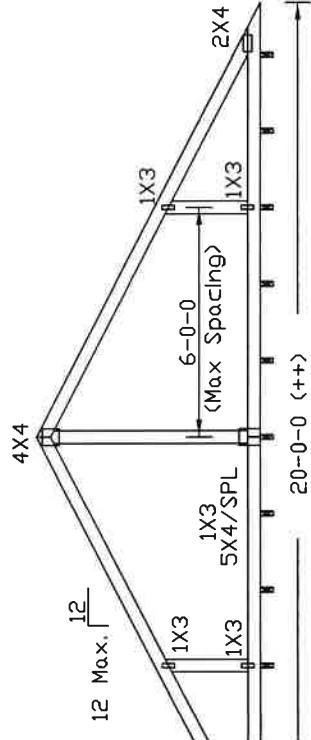
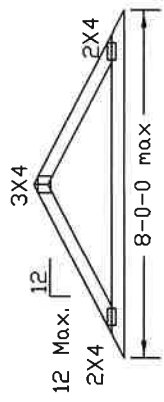
*** Attach each valley to every supporting truss with:
 (2) 16d box (0.135" x 3.5") nails toe-nailed for
 ASCE 7-16, 30' Mean Height, Enclosed Building, Exp. C,
 Wind TC DL=5 psf, Kzt=1.00, Max. Wind Speed based on
 supporting truss material at connection location:
 170 mph for SP (G = 0.55, min.),
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



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 DRWG BRCLBANC1014.

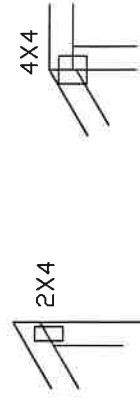
Top chord of truss beneath valley set must be braced with
 properly attached, rated sheathing applied prior to valley truss
 installation.

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".



Optional Hip
 Joint Detail

Stubbed Valley
 End Detail

Square Cut
 Bottom Chord
 Valley

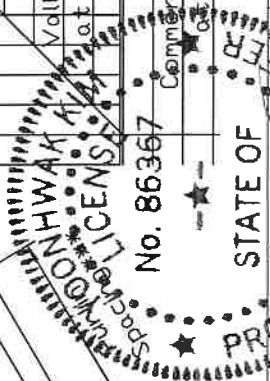
Pitched Cut
 Bottom Chord
 Valley

Toe-nailed

Valley Spacing

Common Trusses
 at 24' o.c.

Partial Framing
 Plan



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING
 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 bracing installed per BCSI sections 83, 87 or 810, as applicable. Locations shown for permanent lateral restraint of ebs
 shall have bracing installed per BCSI sections 83, 87 or 810, 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 1004-2 for standard plate positions.
 Alpine, division of ITW Building Components Group Inc. shall not be responsible for any deviation from
 this drawing or for any damage to the truss in compliance 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
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 For more information see this job's general notes page and these web sites:
 ALPINE: www.alpineitw.com TPI: www.tpi.org SBCA: www.sbcacomponents.com

TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7 PSF	DATE	01/26/2018
BC DL	10	10	10 PSF	DRWG	VALTNI60118
BC LL	0	0	0 PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING					



155 Harlem Ave
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 Glenview, IL 60025

Gable Stud Reinforcement Detail

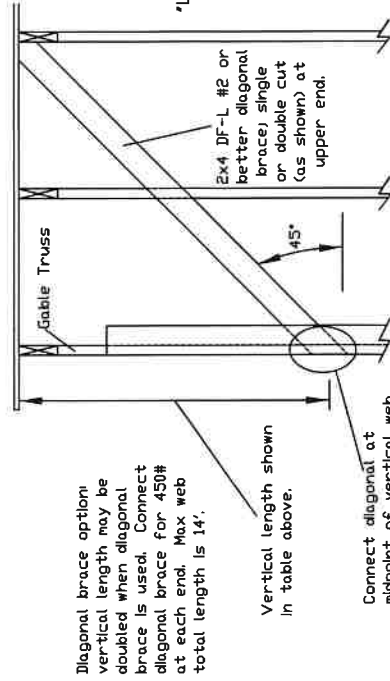
ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

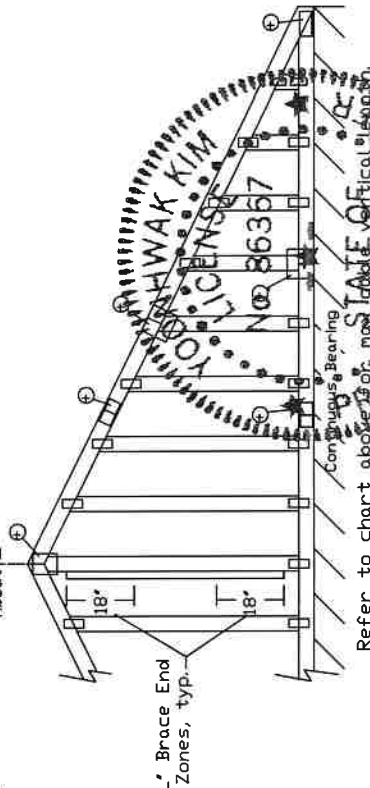
Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

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

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



Symmetrical About Centerline



ALPINE
AN ITW COMPANY

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

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THE INSTALLER SHALL BE RESPONSIBLE FOR THE CORRECT INSTALLATION AND USE OF THIS DRAWING.

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 SPCA 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 installed rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 13, 17 or 18, as applicable. Apply plates to each face of truss and position as shown above and on the detail. Refer to detail for bracing. Refer to drawings for bracing details. Group Inc. shall not be responsible for any deviation from this drawing. 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: www.alpineinc.com, www.tpi.com, www.spcacorp.com, www.bcsinc.com

MAXIMUMS: READ AND FOLLOW ALL NOTES ON THIS DRAWING. THE INSTALLER SHALL BE RESPONSIBLE FOR THE CORRECT INSTALLATION AND USE OF THIS DRAWING.

Refer to chart above for more details.

Yoonhwak Kim, FL PE #86367

REF	ASCE7-16-GAB14015
DATE	01/26/2018
DRWG	A14015ENC160118

Bracing Group Species and Grades:	
Group A:	
Spruce-Pine-Fir	Hen-Fir
#1 / #2	#2
Standard	Standard
Douglas Fir-Larch	Standard
#3	Standard
Standard	Standard
Group B:	
Hen-Fir	Standard
#1 & Btr	Standard
Douglas Fir-Larch	Standard
#1	Standard
Standard	Standard

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

Gable Truss Detail Notes:
Wind Load deflection criterion is L/240.
Provide uplift connections for 55 plf over continuous bearing (5 psf IC Dead Load).
Gable end supports load from 4' o'c outliners with 2' o' overhang, or 12' plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.
* For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
* For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
'L' bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

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

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

MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0'

