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FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
01/16/2023

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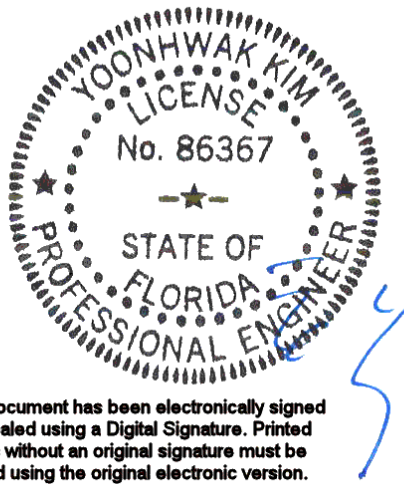


Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-8616B
Job Description: Terrell	
Address: LAKE CITY	

Job Engineering Criteria:			
Design Code: FBC 7th Ed. 2020 Res.		IntelliVIEW Version: 20.01.01A	
		JRef #: 1XMb2150006	
Wind Standard: ASCE 7-16	Wind Speed (mph): 130	Design Loading (psf): 32.00, 55.00	
Building Type: Closed			

This package contains general notes pages, 50 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	016.23.0744.20347	A1	2	016.23.0744.22103	A2
3	016.23.0744.38183	A3	4	016.23.0744.39933	B1
5	016.23.0744.41573	B2	6	016.23.0744.44753	B3
7	016.23.0744.49463	B4	8	016.23.0746.20247	B5
9	016.23.0746.46550	C1	10	016.23.0746.48840	C2
11	016.23.0746.50947	C3	12	016.23.0746.57530	C4
13	016.23.0747.11057	C5	14	016.23.0747.13867	C6
15	016.23.0747.40630	D1	16	016.23.0747.42413	D2
17	016.23.0748.39517	FG1	18	016.23.0834.53327	FG1A
19	016.23.0809.08020	FG1B	20	016.23.0750.08663	FG1C
21	016.23.0822.22730	FG2	22	016.23.0822.44717	FG3
23	016.23.0802.13787	FG4	24	016.23.0804.25660	FG5
25	016.23.0823.02947	FL1	26	016.23.0823.47563	FL1A
27	016.23.0824.39780	FL1B	28	016.23.0818.29803	FL2
29	016.23.0819.12440	FL2A	30	016.23.0819.27473	FL3
31	016.23.0819.36910	FL3G	32	016.23.0806.56880	FL4
33	016.23.0807.01307	FL4A	34	016.23.0807.21887	FT1
35	016.23.0807.25257	FT1A	36	016.23.0807.49033	FT2
37	016.23.0755.57427	FT2A	38	016.23.0756.03980	FT2B
39	016.23.0756.17693	FT3	40	016.23.0756.20887	FT3A
41	016.23.0756.39700	FT4	42	016.23.0756.52897	FT4A
43	016.23.0757.06910	FT5	44	016.23.0757.17307	FT5A
45	016.23.0757.29427	FT6	46	016.23.0757.40150	FT6A
47	016.23.0757.51523	FT7	48	016.23.0758.02237	FT7A
49	016.23.0753.01710	P1	50	016.23.0755.20093	P2



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 22-8616B
Job Description: Terrell	
Address: LAKE CITY	

Item	Drawing Number	Truss
51	A14030ENC160118	
53	A14015ENC160118	
55	CNNAILSP1014	

Item	Drawing Number	Truss
52	GBLLETIN0118	
54	BRCLBSUB0119	

General Notes

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

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

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

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

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Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

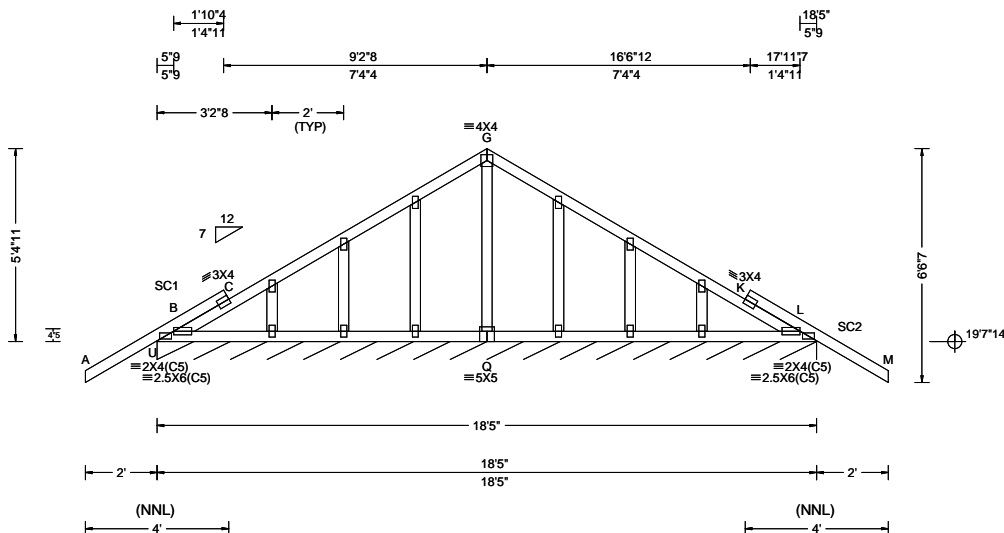
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

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

SEQN: 536179 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 22-8616B Terrell Truss Label: A1	Cust: R 215 JRef: 1XMB2150006 T49 DrwNo: 016.23.0744.20347 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 21.95 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 C 999 240 VERT(CL): 0.009 C 999 180 HORZ(LL): 0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.955 Max BC CSI: 0.150 Max Web CSI: 0.047 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL U* 171 /- /- /52 /24 /7 Wind reactions based on MWFRS U Brg Wid = 221 Min Req = - Bearing U 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 426 -235 K - L 241 -518 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Q - L 562 -73

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

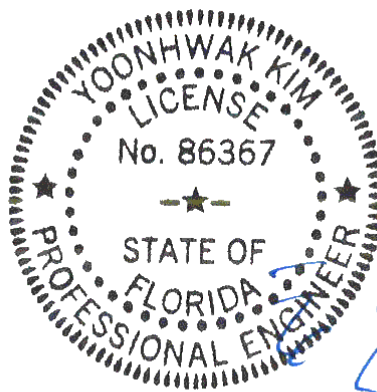
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS A14030ENC160118 & 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 17'-0-9.



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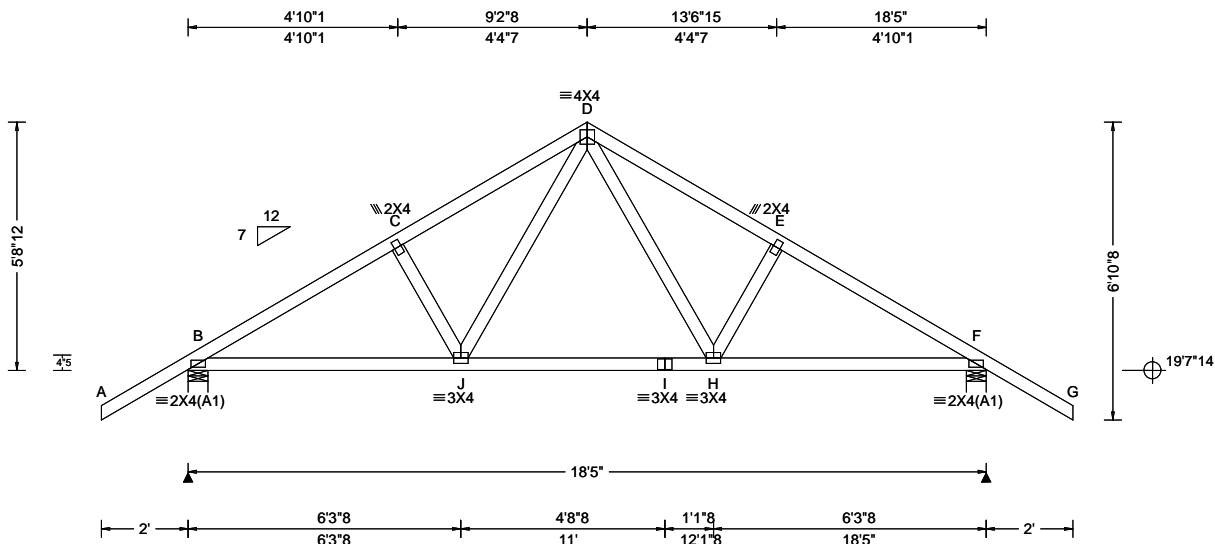
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



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

SEQN: 536173 FROM: RFG	COMN Ply: 1 Qty: 8	Job Number: 22-8616B Terrell Truss Label: A2	Cust: R 215 JRRef: 1XMB2150006 T50 DrwNo: 016.23.0744.22103 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 22.12 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.028 H 999 240 VERT(CL): 0.046 H 999 180 HORZ(LL): 0.013 F - - HORZ(TL): 0.021 F - - Creep Factor: 2.0 Max TC CSI: 0.488 Max BC CSI: 0.294 Max Web CSI: 0.152 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 731 - / - / - / 397 / 322 / 214 F 731 - / - / - / 397 / 322 / - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 F Brg Wid = 5.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 538 -884 D - E 567 -767 C - D 568 -767 E - F 538 -884

Lumber

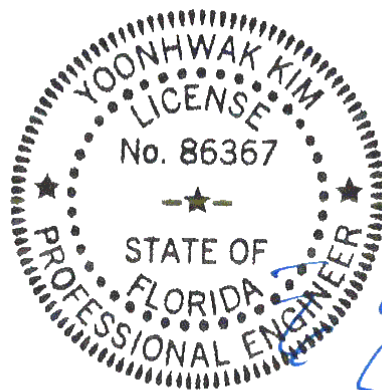
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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 5-8-12.

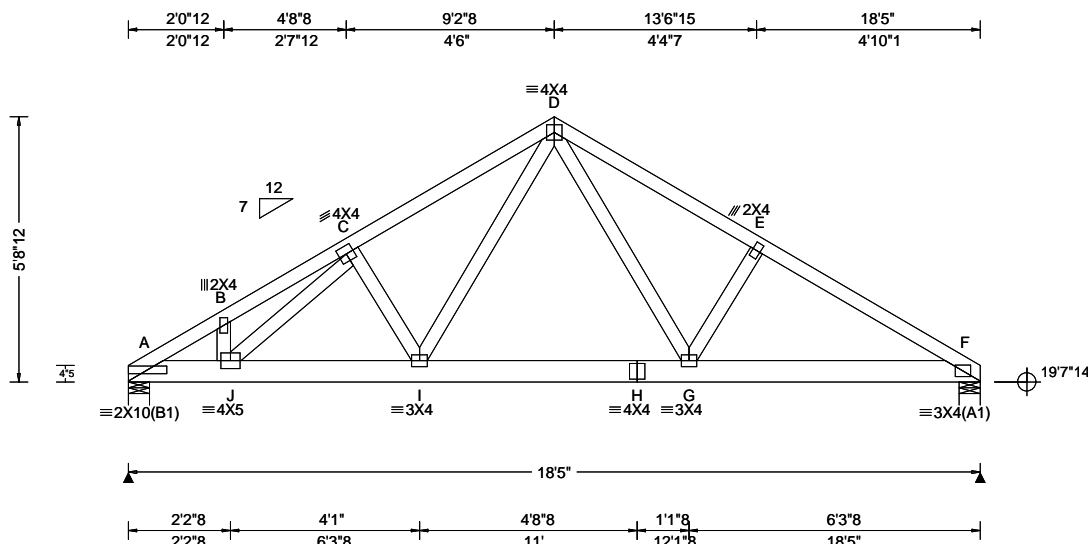


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155 Harlem Ave
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Glenview, IL 60025

SEQN: 536183 FROM: RFG	COMN Ply: 1 Qty: 1	Job Number: 22-8616B Terrell Truss Label: A3	Cust: R 215 JRef: 1Xmb2150006 T52 DrwNo: 016.23.0744.38183 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 22.70 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.051 I 999 240 VERT(CL): 0.083 I 999 180 HORZ(LL): 0.019 B - - HORZ(TL): 0.030 B - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.354 Max Web CSI: 0.469 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 2002 -/- /- /- /545 -/- F 771 -/- /- /- /307 -/- Wind reactions based on MWFRS A Brg Wid = 5.5 Min Req = 1.7 F Brg Wid = 5.5 Min Req = 1.5 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 781 -2773 D - E 435 -1139 B - C 770 -2747 E - F 507 -1251 C - D 502 -1480

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 56 plf at 0.00 to 56 plf at 18.42
BC: From 5 plf at 0.00 to 5 plf at 3.02
BC: From 10 plf at 3.02 to 10 plf at 18.42
BC: 785 lb Conc. Load at 1.02, 3.02

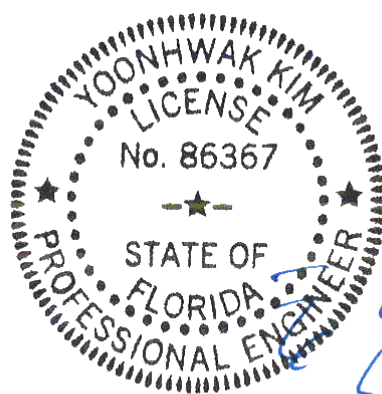
Wind

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 5-8-12.

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

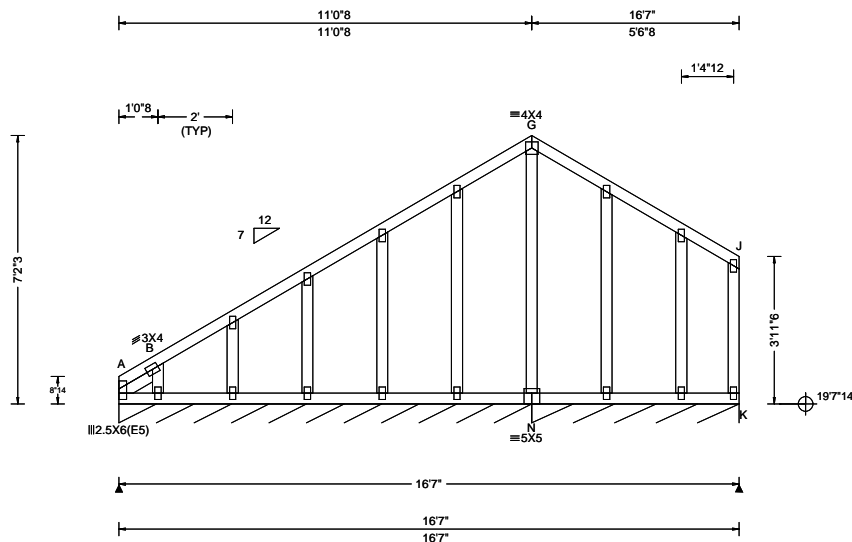


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Glenview, IL 60025

SEQN: 536171 FROM: RFG	GABL Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: B1	Cust: R 215 JRef: 1XMb2150006 T51 DrwNo: 016.23.0744.39933 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 23.62 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.002 H 999 240 VERT(CL): 0.004 H 999 180 HORZ(LL): -0.008 H - - HORZ(TL): 0.011 H - - Creep Factor: 2.0 Max TC CSI: 0.147 Max BC CSI: 0.075 Max Web CSI: 0.174 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 160 - / - / 76 / 60 / 33 N* 130 - / - / 68 / 83 / - Wind reactions based on MWFRS A Brg Wid = 132 Min Req = - N Brg Wid = 66.5 Min Req = - Bearings A & N 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 322 -423 G - J 397 - 105 B - G 410 -347

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.094'

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

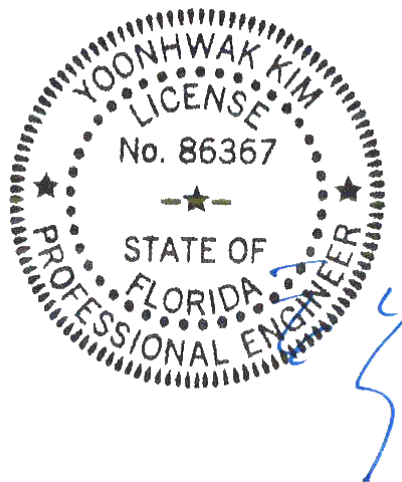
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 18-10-1.



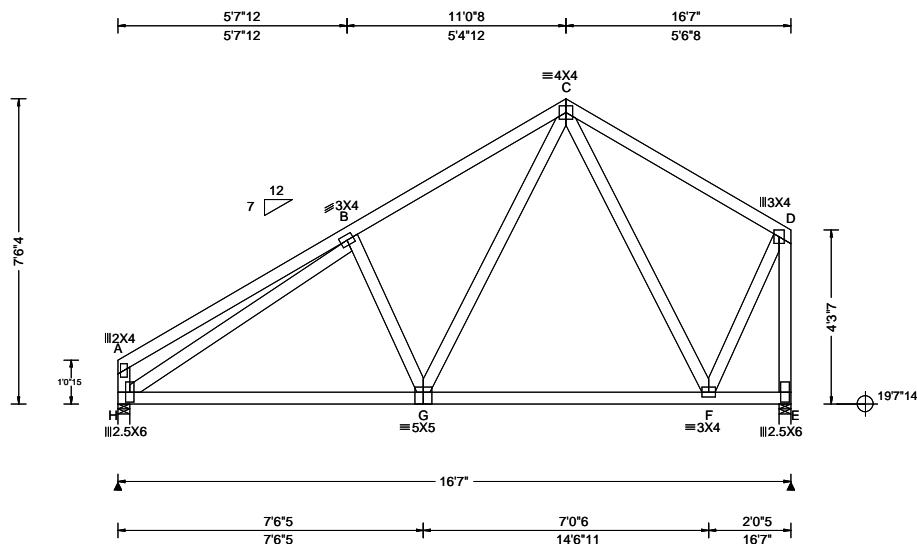
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****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536190 FROM: RFG	COMN Ply: 1 Qty: 24	Job Number: 22-8616B Terrell Truss Label: B2	Cust: R 215 JRef: 1XMB2150006 T4 DrwNo: 016.23.0744.41573 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 23.96 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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 G 999 240 VERT(CL): 0.032 G 999 180 HORZ(LL): 0.008 B - - HORZ(TL): 0.012 B - - Creep Factor: 2.0 Max TC CSI: 0.485 Max BC CSI: 0.484 Max Web CSI: 0.619 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL H 591 - / - / - / 274 / 238 / 183 E 632 - / - / - / 246 / 282 / - Non-Gravity Wind reactions based on MWFRS H Brg Wid = 3.5 Min Req = 1.5 E Brg Wid = 3.5 Min Req = 1.5 Bearings H & E Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 515 - 671

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

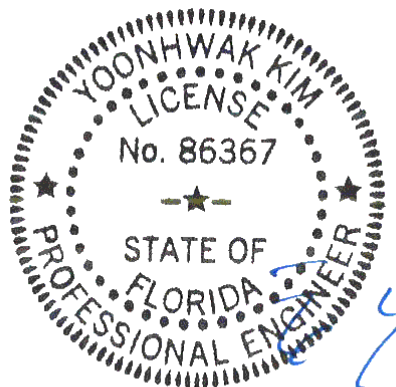
Wind loads based on MWFRS with additional C&C member design.

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 19'-2".



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
H - G	610 - 465

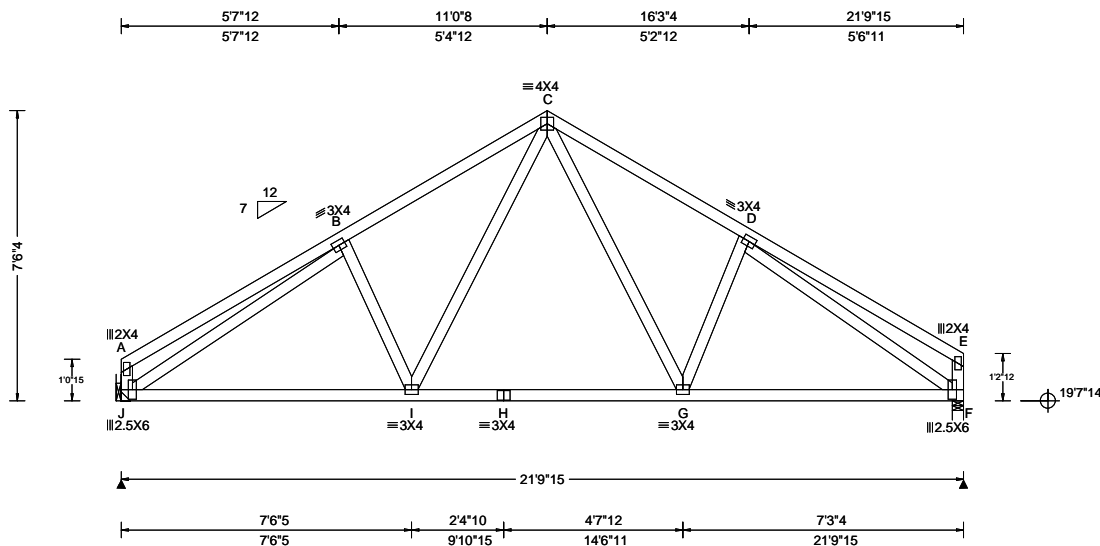
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
H - B	314 - 689	F - D	471 - 193
G - C	387 - 283	D - E	400 - 683

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155 Harlem Ave
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Glenview, IL 60025

SEQN: 536175 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: B3	Cust: R 215 JRRef: 1Xmb2150006 T17 DrwNo: 016.23.0744.44753 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 23.96 ft TCDL: 4.2 psf BCDL: 3.0 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: 1.33	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): 0.038 I 999 240 VERT(CL): 0.059 I 999 180 HORZ(LL): 0.022 E - - HORZ(TL): 0.034 E - - Creep Factor: 2.0 Max TC CSI: 0.335 Max BC CSI: 0.494 Max Web CSI: 0.915 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL J 785 - / - / 336 / 145 / 183 F 786 - / - / 332 / 145 - Wind reactions based on MWFRS J Brg Wid = - Min Req = - F Brg Wid = 3.5 Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 442 - 1001 C - D 441 - 986

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Loading

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

Wind

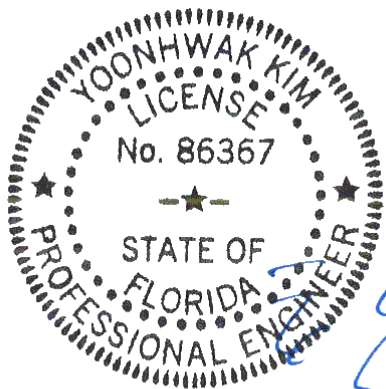
Wind loads based on MWFRS with additional C&C member design.

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 7'-6-4."

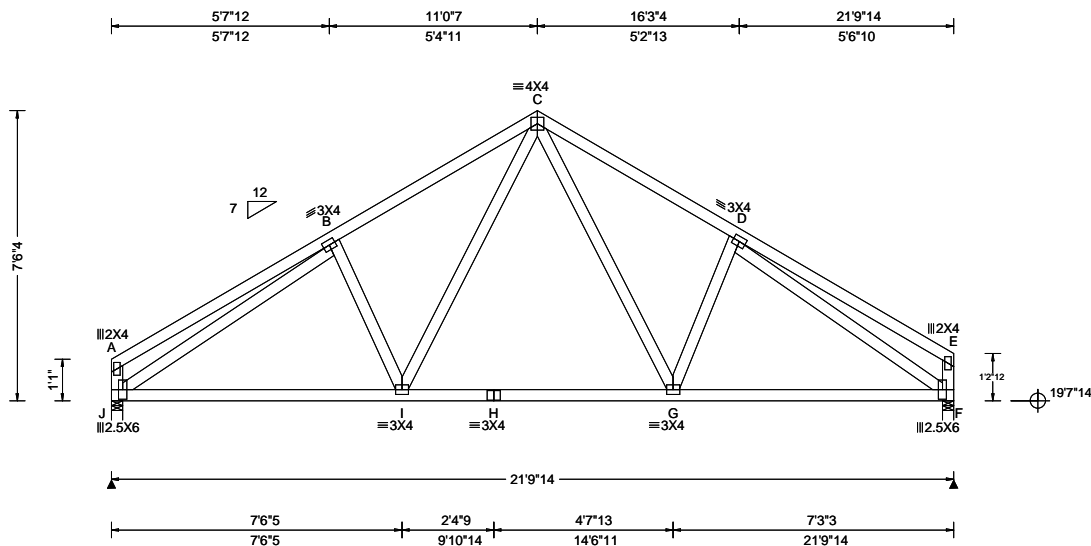


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536177 FROM: RFG	COMN	Ply: 1 Qty: 3	Job Number: 22-8616B Terrell Truss Label: B4	Cust: R 215 JRRef: 1Xmb2150006 T55 DrwNo: 016.23.0744.49463 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 23.96 ft TCDL: 4.2 psf BCDL: 3.0 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: 1.33	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): 0.038 I 999 240 VERT(CL): 0.059 I 999 180 HORZ(LL): 0.022 E - - HORZ(TL): 0.034 E - - Creep Factor: 2.0 Max TC CSI: 0.335 Max BC CSI: 0.494 Max Web CSI: 0.915 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL J 784 - / - / 335 / 145 / 182 F 786 - / - / 332 / 145 - Wind reactions based on MWFRS J Brg Wid = 3.5 Min Req = 1.5 F Brg Wid = 3.5 Min Req = 1.5 Bearings J & F Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 442 - 1001 C - D 440 - 986

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

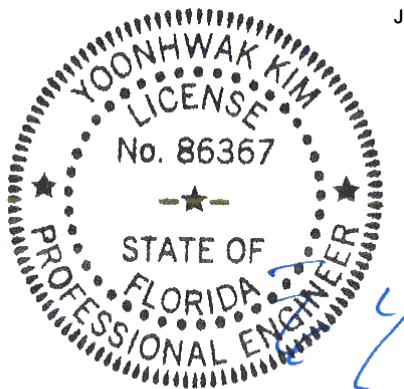
Wind loads based on MWFRS with additional C&C member design.

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 19'-2".



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Glenview, IL 60025

Structural drawing of a roof truss system. The drawing shows a truss with a central peak and two side peaks. The main truss has a peak at point C (4x4) and side peaks at points B (3x4) and D (3x4). The base of the truss is supported by points A (2x4), J (3x4), I (3x4), H (3x4), G (2x4), and E (2x4). The base is further supported by points K (2.5x6) and F (3x4). The drawing includes dimensions for the truss members and the base. The main truss has a height of 7'6"4" and a base width of 16'7". The side trusses have a height of 1'0"15" and a base width of 5'2"15". The drawing also includes a section line 12/7 and a section line 19'7"14.

Lumber	Maximum Bot Chord Forces Per Ply (lbs)		
Top chord: 2x4 SP #2;	Chords	Tens.	Comp.
Bot chord: 2x4 SP #2;			
Webbs: 2x4 SP #3;	K - J	573	-243

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.

K - B	245	- 647	H - D	486	- 72
J - C	414	- 258	D - G	485	- 957
C - H	158	- 388			




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 Glenview, IL 60025

<p>Lumber</p> <p>Top chord: 2x4 SP M-31; Bot chord: 2x6 SP 2400f-2.0E; Webs: 2x4 SP #3; W6 2x4 SP #2; Stack Chord: SC1 2x4 SP #2; Stack Chord: SC2 2x4 SP #2;</p>	<p>Additional Notes</p> <p>See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.</p> <p>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.</p> <p>Shim all supports to solid bearing.</p> <p>The overall height of this truss, excluding overhangs is 10'-3-5.</p>	<p>Y Brg Wid = 78.0 Min Req = - BD Brg Wid = 5.5 Min Req = 1.5 Bearings BC, BC, AK, AE, Y, & BD are a rigid surface.</p> <p>Members not listed have forces less than 375#</p> <p>Maximum Top Chord Forces Per Ply (lbs)</p> <table> <tr> <th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr> <tr> <td>B - C</td><td>315 -554</td><td>U - V</td><td>378 -590</td></tr> </table>	Chords	Tens.Comp.	Chords	Tens. Comp.	B - C	315 -554	U - V	378 -590								
Chords	Tens.Comp.	Chords	Tens. Comp.															
B - C	315 -554	U - V	378 -590															
<p>Plating Notes</p> <p>All plates are 2X4 except as noted.</p> <p>(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.</p>	<p>Loading</p> <p>Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.</p>	<p>Maximum Bot Chord Forces Per Ply (lbs)</p> <table> <tr> <th>Chords</th><th>Tens.Comp.</th><th>Chords</th><th>Tens. Comp.</th></tr> <tr> <td>B -AL</td><td>641 -234</td><td>AH-AE</td><td>612 -266</td></tr> <tr> <td>AL-AK</td><td>584 -264</td><td>AE-AB</td><td>483 -213</td></tr> <tr> <td>AK-AH</td><td>586 -257</td><td></td><td></td></tr> </table>	Chords	Tens.Comp.	Chords	Tens. Comp.	B -AL	641 -234	AH-AE	612 -266	AL-AK	584 -264	AE-AB	483 -213	AK-AH	586 -257		
Chords	Tens.Comp.	Chords	Tens. Comp.															
B -AL	641 -234	AH-AE	612 -266															
AL-AK	584 -264	AE-AB	483 -213															
AK-AH	586 -257																	
<p>Wind</p> <p>Wind loads based on MWFRS with additional C&C member design.</p> <p>Wind loading based on both gable and hip roof types.</p>	<p>Wind</p> <p>Wind loads based on MWFRS with additional C&C member design.</p> <p>Wind loading based on both gable and hip roof types.</p>	<p>Maximum Web Forces Per Ply (lbs)</p> <table> <tr> <th>Webs</th><th>Tens.Comp.</th><th>Webs</th><th>Tens. Comp.</th></tr> <tr> <td>D -AL</td><td>10 -410</td><td>X - T</td><td>246 -410</td></tr> </table>	Webs	Tens.Comp.	Webs	Tens. Comp.	D -AL	10 -410	X - T	246 -410								
Webs	Tens.Comp.	Webs	Tens. Comp.															
D -AL	10 -410	X - T	246 -410															

Yoonhwak Kim
LICENSE
No. 86367
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999 160215

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999-0016

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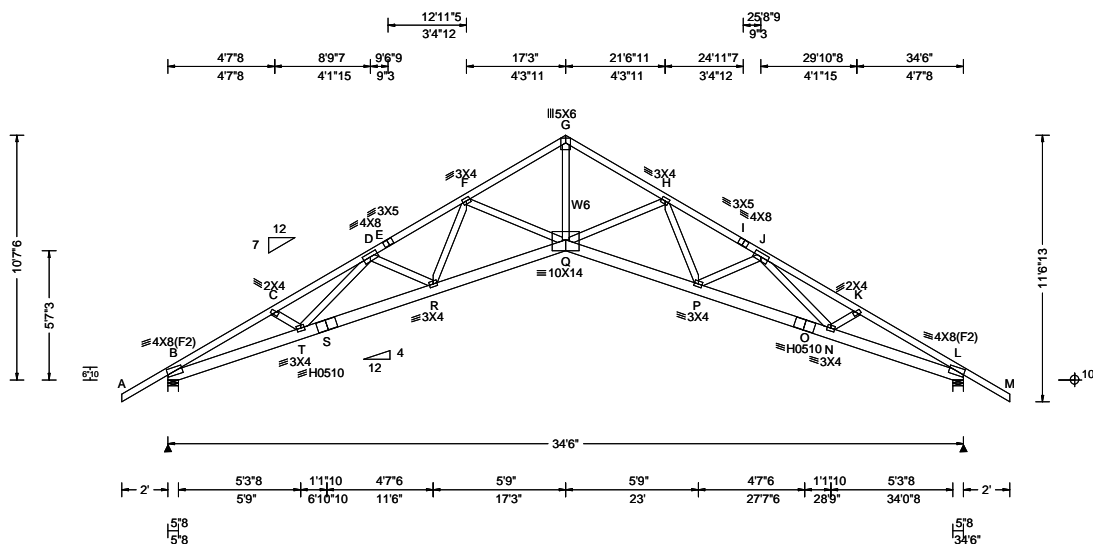
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155 Harlem Ave
 North Building, 4th Floor
 Glenview, IL 60025

SEQN: 536434 FROM: RFG	COMN Ply: 1 Qty: 6	Job Number: 22-8616B Terrell Truss Label: C2	Cust: R 215 JRRef: 1XMB2150006 T13 DrwNo: 016.23.0746.48840 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.45 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.311 Q 999 240 VERT(CL): 0.514 Q 798 180 HORZ(LL): 0.252 L - - HORZ(TL): 0.416 L - - Creep Factor: 2.0 Max TC CSI: 0.399 Max BC CSI: 0.415 Max Web CSI: 0.494 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1273 -/- /- /648 /372 /326 L 1273 -/- /- /648 /372 -/ Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 L Brg Wid = 5.5 Min Req = 1.5 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 911 -3334 G - H 599 -2488 C - D 888 -3184 H - I 853 -3155 D - E 830 -3178 I - J 836 -3178 E - F 846 -3155 J - K 915 -3184 F - G 599 -2488 K - L 937 -3334

Lumber

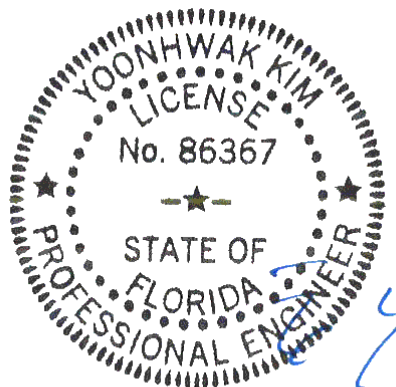
Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;

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 10'-7.6.

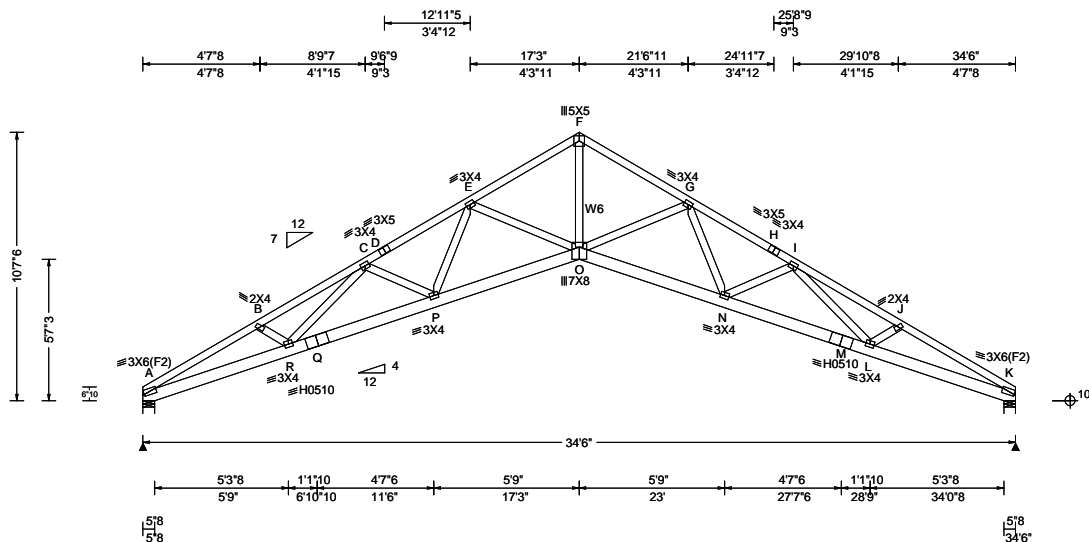


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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536438 FROM: RFG	COMN Ply: 1 Qty: 1	Job Number: 22-8616B Terrell Truss Label: C3	Cust: R 215 JRef: 1XMB2150006 T42 DrwNo: 016.23.0746.50947 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 15.58 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.45 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.33	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, HS	PP Deflection in loc L/def L/# VERT(LL): 0.310 O 999 240 VERT(CL): 0.518 O 792 180 HORZ(LL): 0.251 K - - HORZ(TL): 0.419 K - - Creep Factor: 2.0 Max TC CSI: 0.349 Max BC CSI: 0.396 Max Web CSI: 0.502 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1151 -/- /- /544 /118 /265 K 1151 -/- /- /544 /118 -/ Wind reactions based on MWFRS A Brg Wid = 5.5 Min Req = 1.5 K Brg Wid = 5.5 Min Req = 1.5 Bearings A & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1062 -3448 F - G 696 -2523 B - C 1037 -3292 G - H 957 -3203 C - D 941 -3227 H - I 941 -3227 D - E 957 -3203 I - J 1037 -3292 E - F 696 -2523 J - K 1062 -3448

Lumber

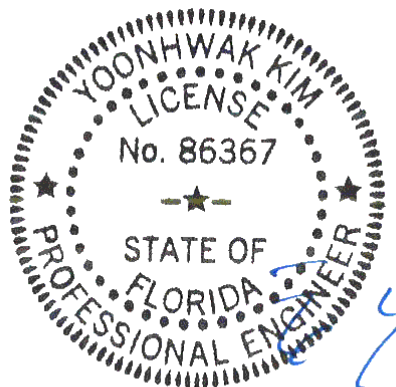
Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 2x4 SP #2;

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 10-7-6.

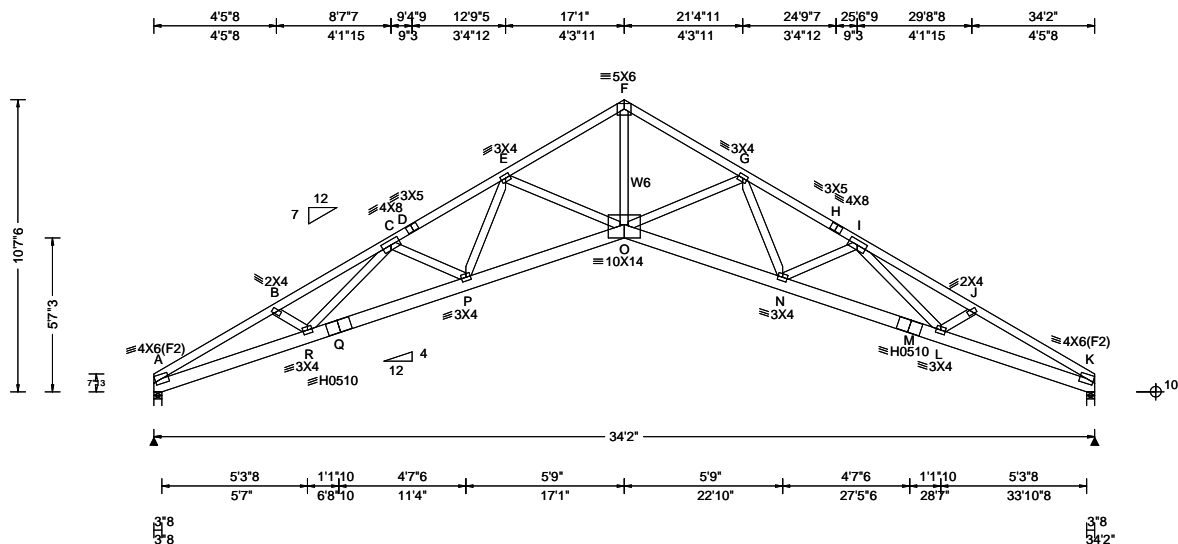


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Florida Certificate of Product Approval #FL 1999

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

SEQN: 536443 FROM: RFG	COMN Ply: 1 Qty: 3	Job Number: 22-8616B Terrell Truss Label: C4	Cust: R 215 JRRef: 1XMB2150006 T15 DrwNo: 016.23.0746.57530 KD / YK 01/16/2023
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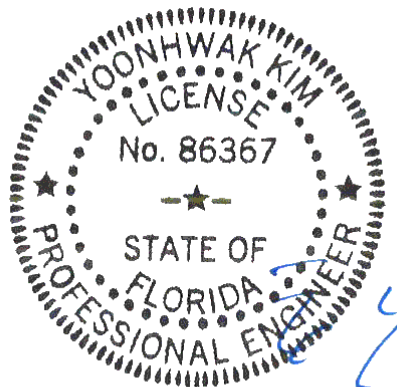


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.63 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.43 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.311 O 999 240 VERT(CL): 0.519 O 783 180 HORZ(LL): 0.253 K - - HORZ(TL): 0.422 K - - Creep Factor: 2.0 Max TC CSI: 0.410 Max BC CSI: 0.422 Max Web CSI: 0.491 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1140 - / - /540 /117 /262 K 1140 - / - /540 /117 - Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 K Brg Wid = 3.5 Min Req = 1.5 Bearings A & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 1016 -3284 F - G 686 -2475 B - C 992 -3136 G - H 942 -3138 C - D 926 -3162 H - I 926 -3162 D - E 942 -3138 I - J 992 -3136 E - F 686 -2475 J - K 1016 -3284

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W6 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 10-7-6.



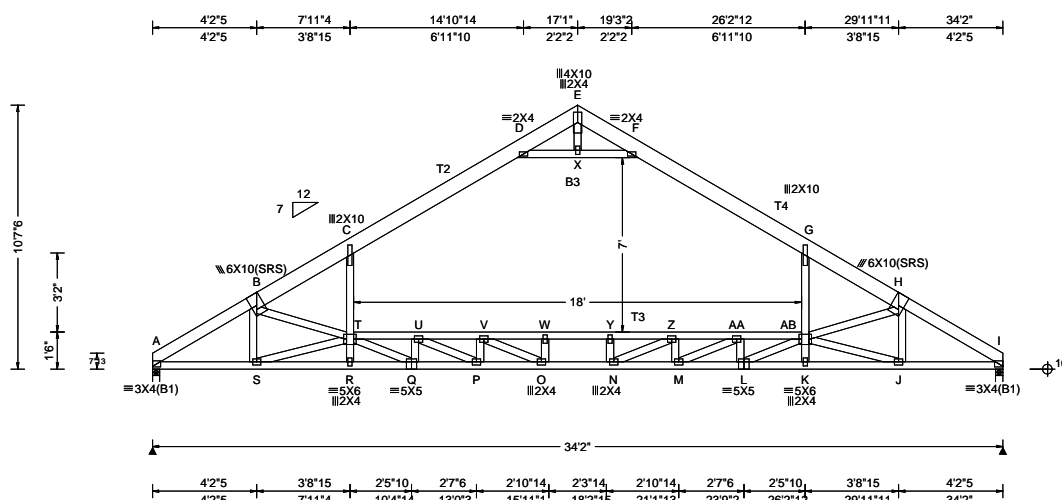
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Florida Certificate of Product Approval #FL 1999

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

SEQN: 536473 FROM: RFG	ATIC Qty: 4	Ply: 2 Terrell Truss Label: C5	Cust: R 215 JRRef: 1XMB2150006 T16 DrwNo: 016.23.0747.11057 KD / YK 01/16/2023
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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)
TCLL: 20.00 TCDL: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 16.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 4.2 psf BCDL: 3.0 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: 1.33	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): 0.334 W 999 240 VERT(CL): 0.657 W 618 180 HORZ(LL): 0.119 C - - HORZ(TL): 0.235 C - - Creep Factor: 2.0 Max TC CSI: 0.380 Max BC CSI: 0.362 Max Web CSI: 0.340 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL A 1839 - / - /355 /79 /174 I 1839 - / - /355 /79 - Wind reactions based on MWFRS A Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 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 196 -1569 E - F 394 -14 B - C 143 -1252 F - G 158 -914 C - D 158 -914 G - H 143 -1252 D - E 394 -14 H - I 196 -1569

Lumber

Top chord: 2x6 SP 2400f-2.0E; T2,
T4 2x8 SP 2400f-2.0E; T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.128"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 3X4 except as noted.

Loading

Attic room loading from 8-1-0 to 26-1-0: Live Load: 40
PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:
10 PSF

Mechanical Unit Loads Supported by this Truss

At	Truss	Unit	Unit	Supporting
X-Loc	Piece	Lbs.	Width	Trusses
12.42	TC	200.0	2.67	2
17.08	TC	200.0	2.67	2
21.75	TC	200.0	2.67	2

Purlins

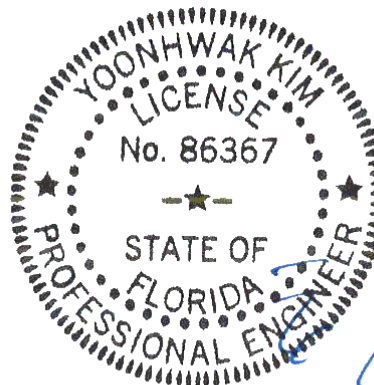
Collar-tie braced with continuous lateral bracing at 24"
oc. or rigid ceiling.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
10'-7-6.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - S	1313 -150	N - M	3075 -161
S - R	1527 -235	M - L	2452 -184
R - Q	1545 -238	L - K	1545 -238
Q - P	2452 -184	K - J	1527 -235
P - O	3075 -161	J - I	1313 -150
O - N	3377 -151		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - T	90 -450	X - F	216 -1488
C - T	637 -8	Y - Z	86 -2445
T - Q	893 -47	Z - AA	97 -2092
T - U	123 -1458	M - AA	626 -23
U - P	626 -23	AA-AB	125 -1458
U - V	97 -2092	L - AB	893 -50
V - W	86 -2445	AB- G	637 -12
D - X	216 -1488	AB- H	90 -450
W - Y	86 -2462		

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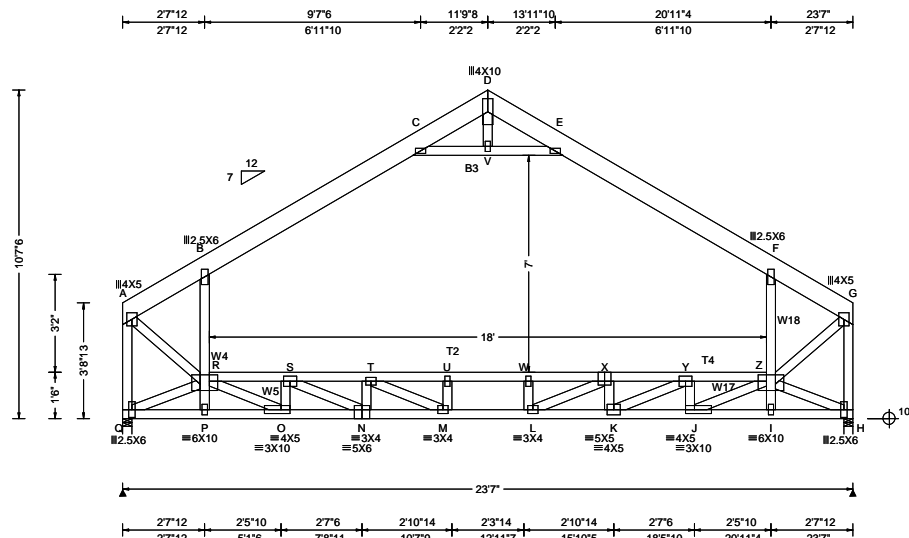
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536498 FROM:	ATIC Qty: 2	Job Number: 22-8616B Terrell Truss Label: C6	Cust: R 215 JRRef: 1XMB2150006 T10 DrwNo: 016.23.0747.13867 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 16.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.226 U 999 240 VERT(CL): 0.388 W 728 180 HORZ(LL): 0.092 B - - HORZ(TL): 0.165 B - - Creep Factor: 2.0 Max TC CSI: 0.316 Max BC CSI: 0.455 Max Web CSI: 0.592 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Q 1959 - / - / /339 /87 /178 H 1959 - / - / /339 /87 - Wind reactions based on MWFRS Q Brg Wid = 3.5 Min Req = 1.6 H Brg Wid = 3.5 Min Req = 1.6 Bearings Q & 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. A - B 170 - 1545 E - F 324 - 1398 B - C 324 - 1398 F - G 170 - 1545

Lumber

Top chord: 2x8 SP 2400F-2.0E; T2, T4 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3; W4, W5, W17, W18 2x4 SP #2;

Plating Notes

All plates are 2X4 except as noted.

Loading

Attic room loading from 2-9-8 to 20-9-8: 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

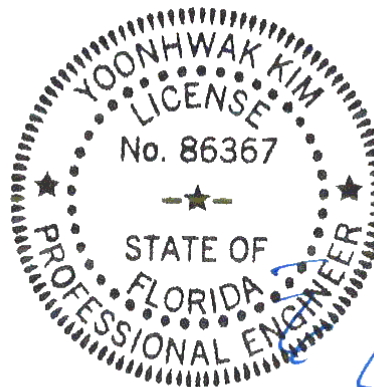
Wind loads based on MWFRS with additional C&C member design.

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 10-7-6.



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
Q - P	499 -551	L - K	3180 0
P - O	506 -564	K - J	2075 -138
O - N	2074 -276	J - I	380 -564
N - M	3181 -107	I - H	373 -538
M - L	3685 0		

Maximum Web Forces Per Ply (lbs)

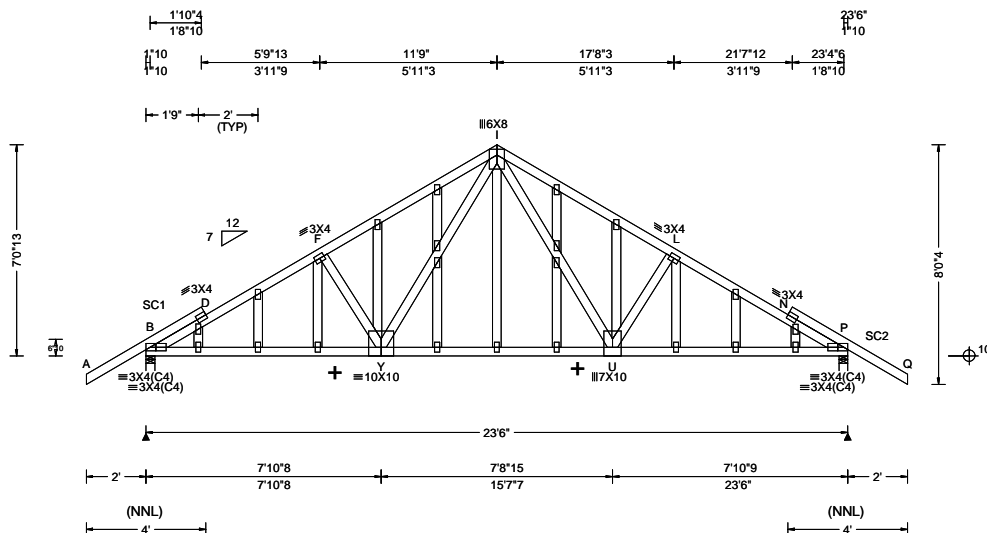
Webs	Tens.Comp.	Webs	Tens. Comp.
A - Q	189 -2051	D - V	385 -70
A - R	1542 -188	V - E	304 -1428
Q - R	578 -345	W - X	0 -2701
B - R	495 -171	L - X	720 -142
R - O	2238 -55	X - K	49 -576
R - S	254 -882	X - Y	130 -2047
O - S	39 -877	K - Y	1251 -28
S - N	1253 -29	Y - J	41 -876
S - T	82 -2048	Y - Z	303 -883
N - T	48 -575	J - Z	2238 -65
T - M	718 -140	Z - F	495 -184
T - U	0 -2700	Z - G	1542 -188
C - V	304 -1428	Z - H	578 -399
U - W	0 -2731	G - H	189 -2051

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

SEQN: 536430 FROM: RFG	GABL Ply: 1 Qty: 1	Job Number: 22-8616B Terrell Truss Label: D1	Cust: R 215 JRef: 1Xmb2150006 T37 DrwNo: 016.23.0747.40630 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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): 0.113 H 999 240 VERT(CL): 0.204 H 999 180 HORZ(LL): 0.048 E - - HORZ(TL): 0.087 E - - Creep Factor: 2.0 Max TC CSI: 0.754 Max BC CSI: 0.980 Max Web CSI: 0.651 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1991 - / - / 703 / 266 / 119 P 1991 - / - / 703 / 266 / - Wind reactions based on MWFRS B Brg Wid = 3.5 Min Req = 2.3 P Brg Wid = 3.5 Min Req = 2.3 Bearings B & P Fcperp = 565psi. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - D 268 - 1895 I - L 664 - 2392 B - D 160 - 916 L - N 494 - 2699 D - F 265 - 2699 N - P 502 - 1895 F - I 298 - 2392 N - P 39 - 916

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.

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

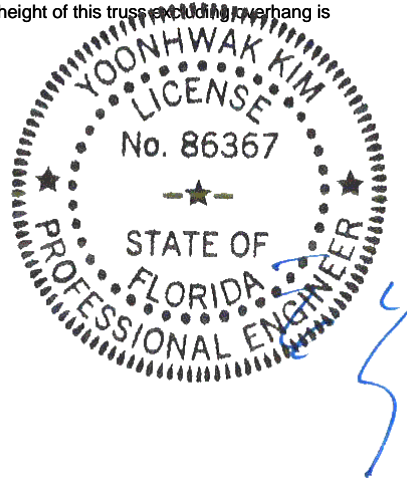
It is the responsibility of the building designer and truss fabricator to review this dwg prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans, specifications and fabricator's truss layout.

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 including overhang is 9-0-13.

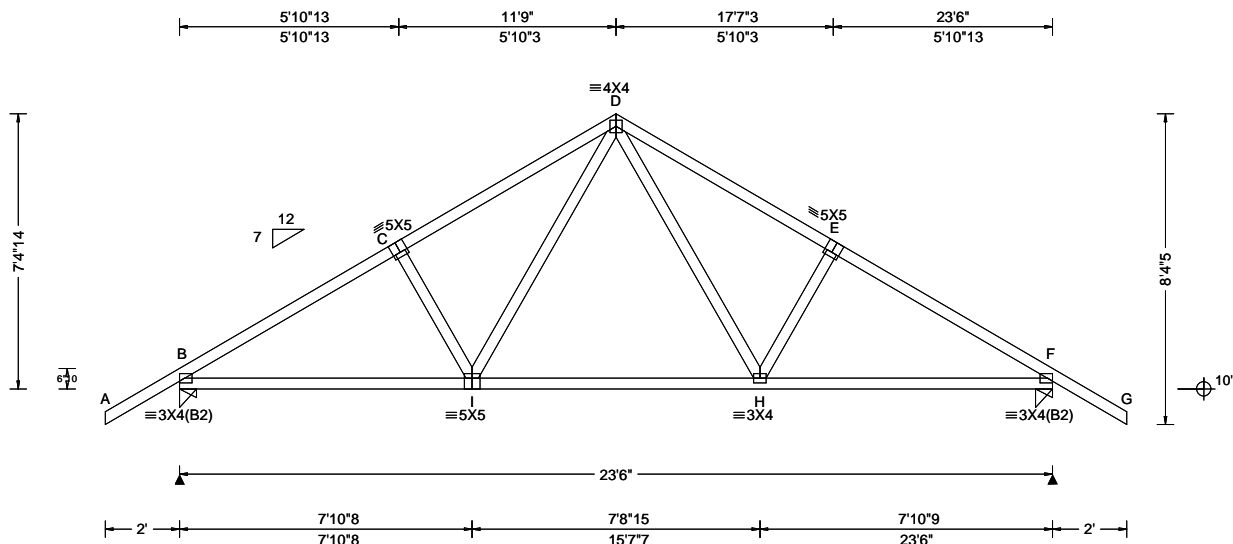


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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536425 FROM: RFG	COMN Ply: 1 Qty: 3	Job Number: 22-8616B Terrell Truss Label: D2	Cust: R 215 JRRef: 1XMB2150006 T39 DrwNo: 016.23.0747.42413 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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): 0.075 H 999 240 VERT(CL): 0.118 H 999 180 HORZ(LL): 0.040 F - - HORZ(TL): 0.062 F - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.616 Max Web CSI: 0.249 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 968 - / - / - / 463 / 266 / 235 F 968 - / - / - / 463 / 266 / - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 F Brg Wid = 5.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 529 - 1297 D - E 563 - 1140 C - D 564 - 1139 E - F 528 - 1298

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.

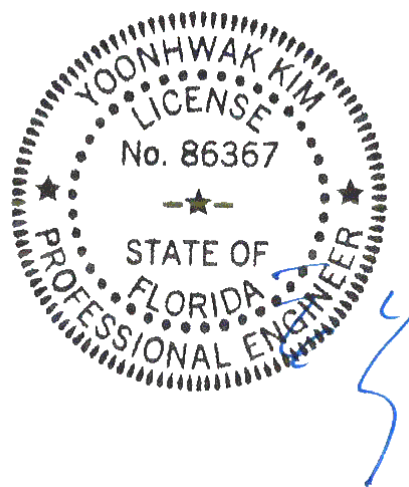
Wind

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 7'-4-14".

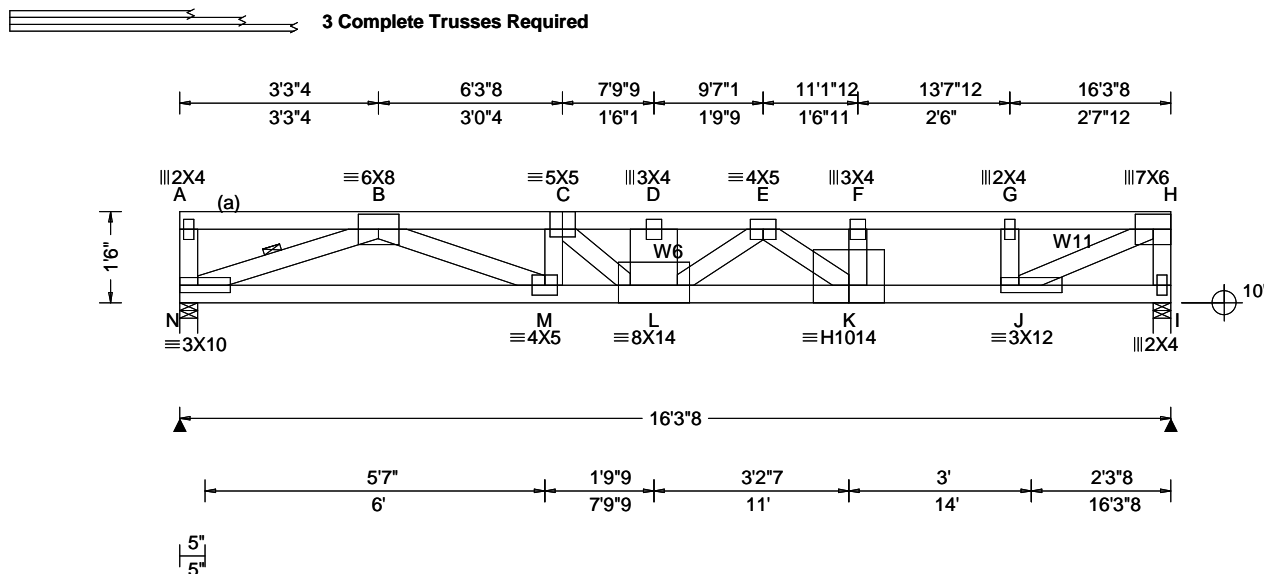


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SEQN: 536476 FROM: RFG	FLAT Ply: 3 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG1	Cust: R 215 JRef: 1XMB2150006 T25 DrwNo: 016.23.0748.39517 KD / YK 01/16/2023
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Loading Criteria (psf)	Wind Criteria	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: 2.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.277 E 705 480 VERT(CL): 0.463 E 422 360 HORZ(LL): 0.048 A - - HORZ(TL): 0.080 A - - Creep Factor: 2.0 Max TC CSI: 0.567 Max BC CSI: 0.773 Max Web CSI: 0.897 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 4862 - / - / - / - / - I 2458 - / - / - / - / - N Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings N & 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. B - C 0 - 4901 E - F 0 - 2413 C - D 0 - 4621 F - G 0 - 2324 D - E 0 - 4621 G - H 0 - 2243

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x10 SP 2400f-2.0E;
W11 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 2.50" o.c.
Bot Chord: 1 Row @ 12.00" 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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 576 plf at 0.00 to 576 plf at 6.29
TC: From 100 plf at 6.29 to 100 plf at 16.29
BC: From 10 plf at 0.00 to 10 plf at 16.29
TC: 2002 lb Conc. Load at 5.94
BC: 530 lb Conc. Load at 7.79

Purlins

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

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

Additional Notes

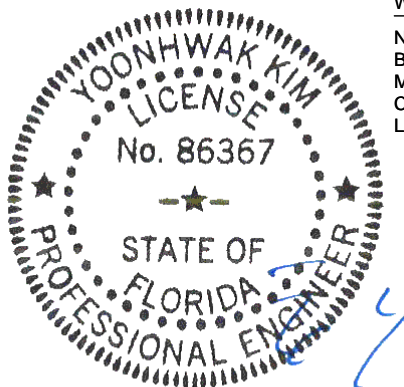
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	3596 0	L - K	3722 0
M - L	5060 0	K - J	2324 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	0 - 3804	E - K	0 - 1724
B - M	1427 0	K - F	742 0
M - C	0 - 679	G - J	0 - 676
C - L	15 - 563	J - H	2501 0
L - E	1083 0	H - I	0 - 959



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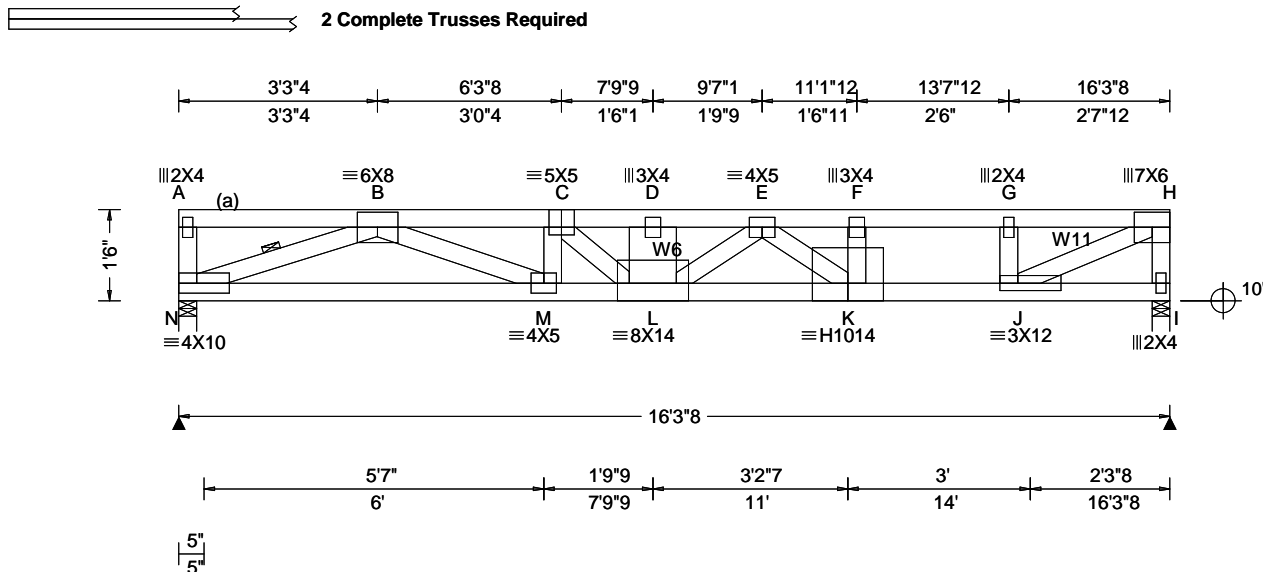
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536339 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG1A	Cust: R 215 JRef: 1XMB2150006 T27 DrwNo: 016.23.0834.53327 KD / YK 01/16/2023
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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: 2.00 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.262 E 745 480 VERT(CL): 0.446 E 438 360 HORZ(LL): 0.046 A - - HORZ(TL): 0.077 A - - Creep Factor: 2.0 Max TC CSI: 0.625 Max BC CSI: 0.823 Max Web CSI: 0.918 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 3589 - / - / - / - / - I 1728 - / - / - / - / - N Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings N & 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. B - C 0 -4440 E - F 0 -2429 C - D 0 -4395 F - G 0 -2348 D - E 0 -4395 G - H 0 -2265

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W6 2x10 SP 2400f-2.0E;
W11 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 4.25" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 576 plf at 0.00 to 576 plf at 6.29
TC: From 100 plf at 6.29 to 100 plf at 16.29
BC: From 10 plf at 0.00 to 10 plf at 16.29
BC: 530 lb Conc. Load at 7.79

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6".

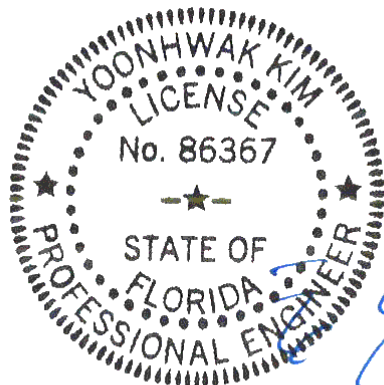
THIS TRUSS MUST BE INSTALLED AS SHOWN
AND NOT END FOR END.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.		Chords	Tens. Comp.	
N - M	3683	0	L - K	3635	0
M - L	4536	0	K - J	2348	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	0 -414	E - K	0 -1588
N - B	0 -3891	K - F	675 0
B - M	827 0	G - J	0 -700
M - C	0 -411	J - H	2524 0
L - E	916 0	H - I	0 -994



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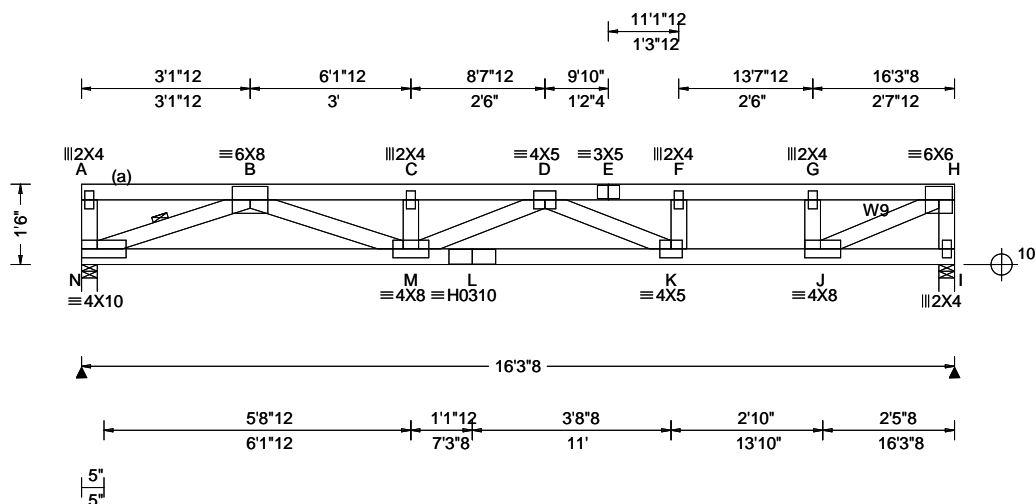
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536500 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG1B	Cust: R 215 JRef: 1XMB2150006 T30 DrwNo: 016.23.0809.08020 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 16.0 "	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 GCp: 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.241 D 810 480 VERT(CL): 0.428 D 456 360 HORZ(LL): 0.043 A - - HORZ(TL): 0.076 A - - Creep Factor: 2.0 Max TC CSI: 0.534 Max BC CSI: 0.847 Max Web CSI: 0.899 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 3508 - / - / 12 - / - I 1453 - / - / 89 - / - N Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings N & 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. B - C 95 -4557 E - F 100 -2144 C - D 95 -4557 F - G 100 -2087 D - E 100 -2144 G - H 95 -2014

Lumber

Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 3.75" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 543 plf at 0.00 to 543 plf at 6.29
TC: From 67 plf at 6.29 to 67 plf at 16.29
BC: From 7 plf at 0.00 to 7 plf at 16.29
TC: 771 lb Conc. Load at 5.85

Purlins

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

Wind

End verticals not exposed to wind pressure.

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

Additional Notes

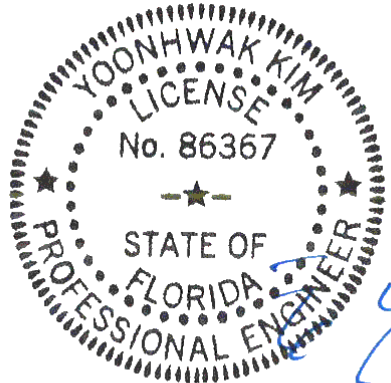
Provide uplift connections at bearings as indicated.
UPLIFT (LB): 90
BRG.LOC (FT): 0.00 16.00
Truss designed for 130.00 mph wind, 15.00 ft mean height with dead load of 5.00 psf (Top) and 3.00 psf (Bottom).
Enclosed building (SBC)
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	3601 -20	L - K	3606 -128
M - L	3606 -128	K - J	2087 -100

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
N - B	22 -3830	K - F	485 0
B - M	1030 -81	G - J	40 -610
C - M	24 -773	J - H	2246 -106
M - D	1072 0	H - I	50 -858
D - K	31 -1666		



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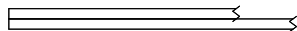
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

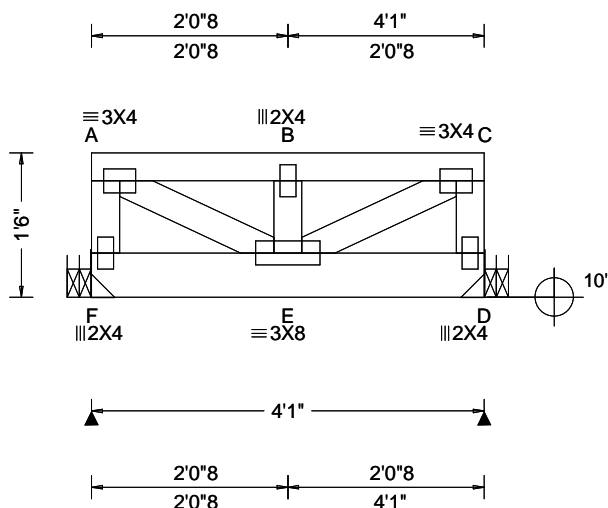


155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536330 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG1C	Cust: R 215 JRef: 1XMB2150006 T2 DrwNo: 016.23.0750.08663 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 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 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.003 B 999 480 VERT(CL): 0.005 B 999 360 HORZ(LL): 0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.039 Max BC CSI: 0.064 Max Web CSI: 0.145 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL F 530 -/- /- /- /- D 615 -/- /- /- /- F Brg Wid = - D Brg Wid = - Members not listed have forces less than 375#

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 5.25" 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.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 4.08
BC: From 5 plf at 0.00 to 5 plf at 4.08
BC: 460 lb Conc. Load at 1.23, 3.23

Hangers / Ties

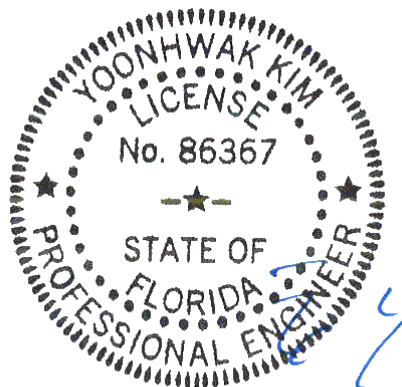
(J) Hanger Support Required, by others

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is
1'-6"-0.



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

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

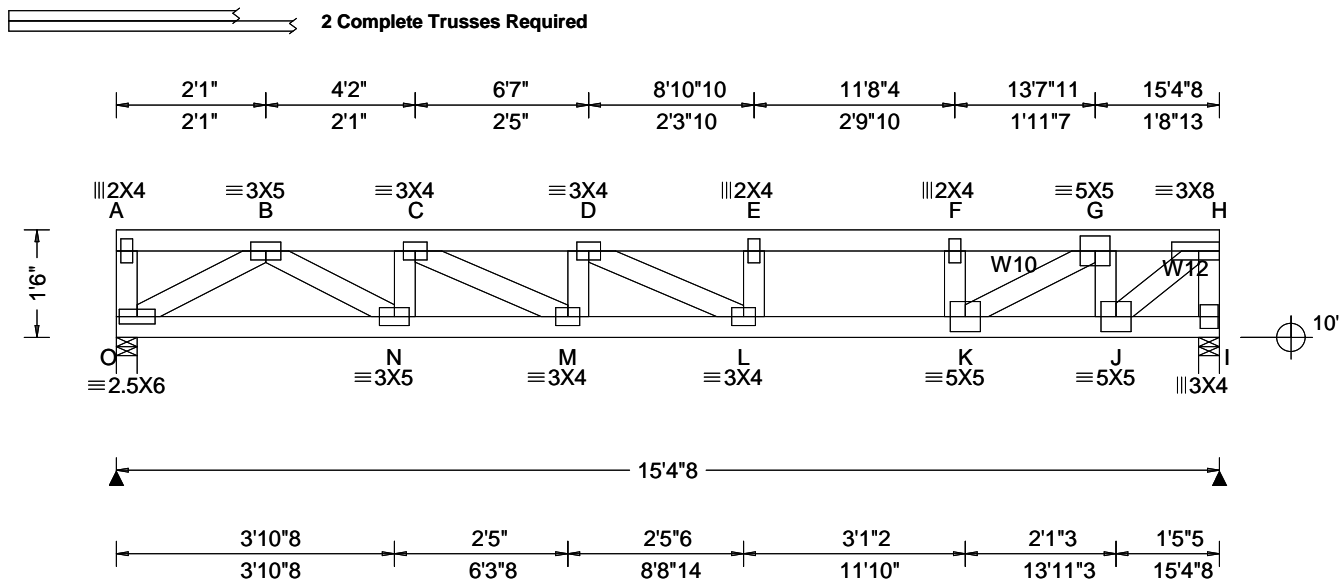
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536408 FROM: RFG	FLAT Ply: 2 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FG2	Cust: R 215 JRef: 1XMB2150006 T48 DrwNo: 016.23.0822.22730 KD / YK 01/16/2023
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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: 2.00 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: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.112 E 999 480 VERT(CL): 0.228 E 809 360 HORZ(LL): 0.021 A - - HORZ(TL): 0.045 A - - Creep Factor: 2.0 Max TC CSI: 0.600 Max BC CSI: 0.531 Max Web CSI: 0.472 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL O 1382 -/- /- /- /- /- I 2314 -/- /- /- /- /- O Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings O & 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. B - C 0 -1843 E - F 0 -2998 C - D 0 -2672 F - G 0 -2897 D - E 0 -2974 G - H 0 -1245

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10,W12 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 7.25" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 6.29
TC: From 210 plf at 6.29 to 210 plf at 15.37
BC: From 10 plf at 0.00 to 10 plf at 15.37
TC: 1006 lb Conc. Load at 11.69

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6-0.
THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

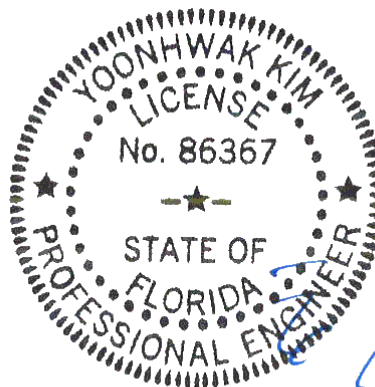
It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1081	L - K	2998
N - M	1965	K - J	1507
M - L	2756		0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
O - B	0 -1243	F - K	0 -841
B - N	920	K - G	1672
N - C	0 -519	G - J	0 -1116
C - M	813	J - H	1616
D - L	523 -84	H - I	0 -1128



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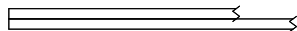
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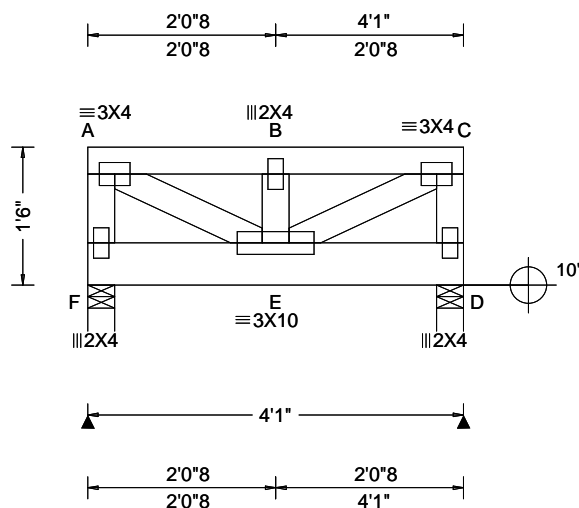
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 536455 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG3	Cust: R 215 JRef: 1XMB2150006 T36 DrwNo: 016.23.0822.44717 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.009 B 999 480 VERT(CL): 0.012 B 999 360 HORZ(LL): 0.002 A - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.093 Max BC CSI: 0.146 Max Web CSI: 0.382 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 1430 -/- /- /- /- /- D 1833 -/- /- /- /- /- F Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -708 B - C 0 -708 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - F 0 -424 E - C 801 0 A - E 801 0 C - D 0 -424

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

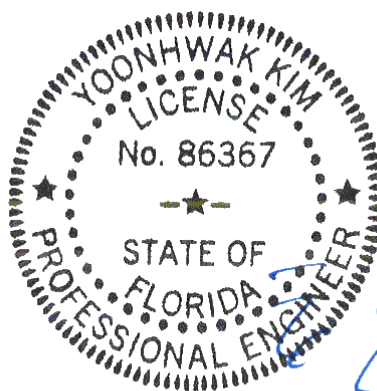
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 4.08
BC: From 5 plf at 0.00 to 5 plf at 4.08
BC: 1013 lb Conc. Load at 0.90, 2.35, 3.69

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 16'-0".



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Florida Certificate of Product Approval #FL 1999

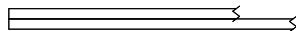
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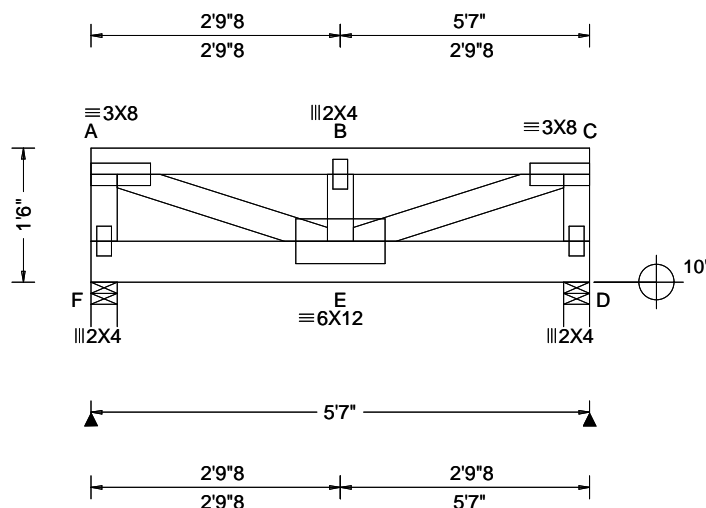
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536493 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG4	Cust: R 215 JRef: 1Xmb2150006 T5 DrwNo: 016.23.0802.13787 KD / YK 01/16/2023
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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)
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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.031 B 999 480 VERT(CL): 0.043 B 999 360 HORZ(LL): 0.005 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.338 Max Web CSI: 0.797 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL F 2135 -/- /- /- /- /- D 1835 -/- /- /- /- /- F Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 1567 B - C 0 - 1567 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - F 0 - 679 E - C 1673 0 A - E 1671 0 C - D 0 - 679

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

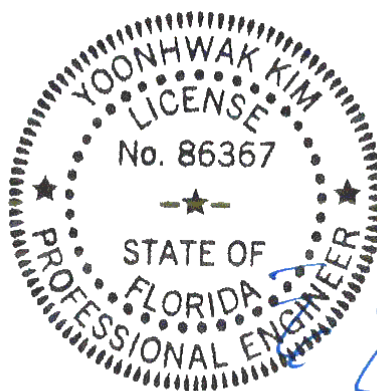
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 5.58
BC: From 5 plf at 0.00 to 5 plf at 5.58
BC: 1263 lb Conc. Load at 1.48, 3.48
BC: 487 lb Conc. Load at 1.60
BC: 651 lb Conc. Load at 3.60

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.



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

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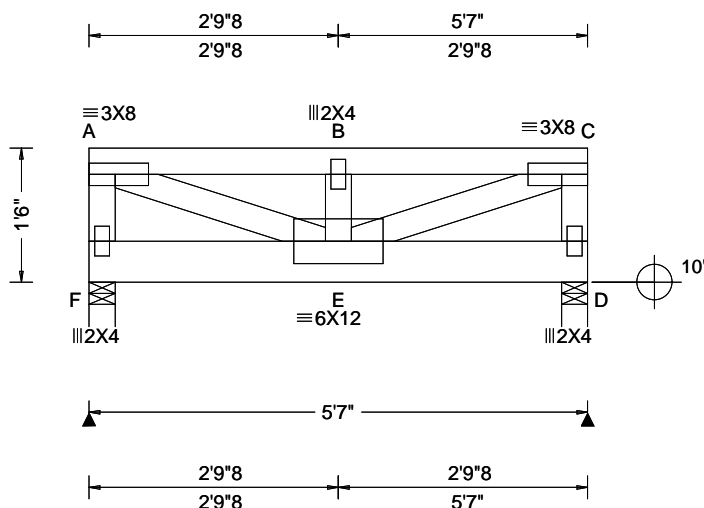
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ALPINE
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536495 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FG5	Cust: R 215 JRef: 1XMB2150006 T18 DrwNo: 016.23.0804.25660 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.031 B 999 480 VERT(CL): 0.043 B 999 360 HORZ(LL): 0.005 A - - HORZ(TL): 0.007 A - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.338 Max Web CSI: 0.797 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL F 1835 -/- /- /- /- /- D 2135 -/- /- /- /- /- F Brg Wid = 3.5 Min Req = 1.5 D Brg Wid = 3.5 Min Req = 1.5 Bearings F & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 1567 B - C 0 - 1567 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - F 0 - 679 E - C 1671 0 A - E 1673 0 C - D 0 - 679

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.

Special Loads

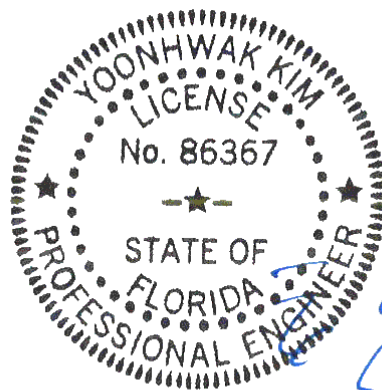
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 50 plf at 0.00 to 50 plf at 5.58
BC: From 5 plf at 0.00 to 5 plf at 5.58
BC: 651 lb Conc. Load at 1.98
BC: 1263 lb Conc. Load at 2.10, 4.10
BC: 487 lb Conc. Load at 3.98

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.



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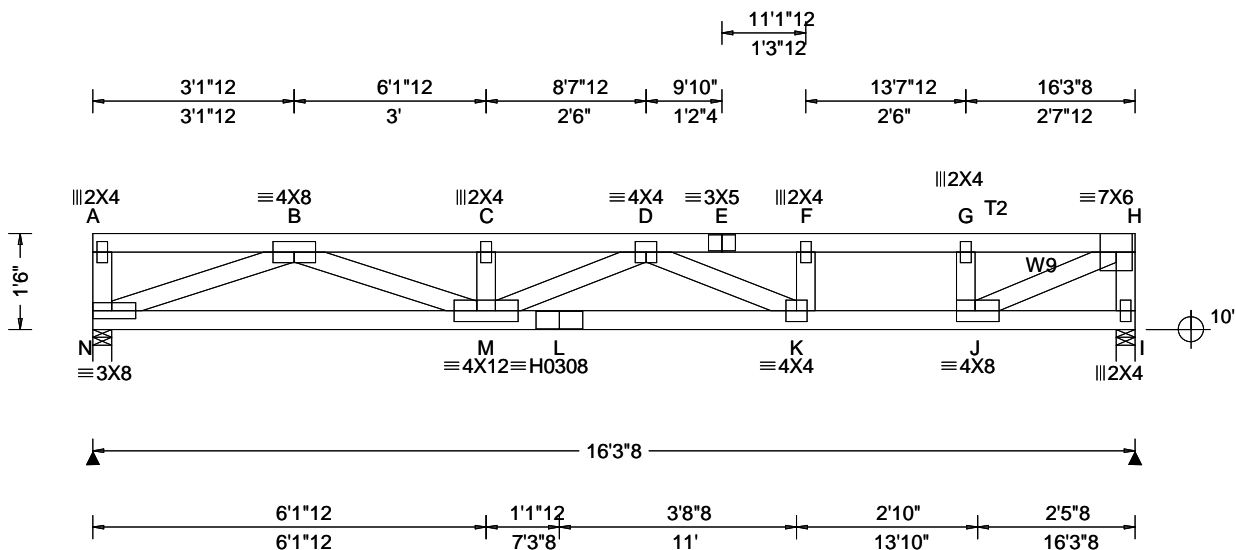
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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536357 FROM: RFG	FLAT Ply: 1 Qty: 7	Job Number: 22-8616B Terrell Truss Label: FL1	Cust: R 215 JRef: 1XMB2150006 T24 DrwNo: 016.23.0823.02947 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 16.0 "	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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.274 D 713 480 VERT(CL): 0.425 D 459 360 HORZ(LL): 0.046 A - - HORZ(TL): 0.072 A - - Creep Factor: 2.0 Max TC CSI: 0.682 Max BC CSI: 0.833 Max Web CSI: 0.824 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh N 1015 - / - / - I 850 - / - / - N Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings N & 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. B - C 0 - 3962 E - F 0 - 2289 C - D 0 - 3962 F - G 0 - 2242 D - E 0 - 2289 G - H 0 - 2160

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 67 plf at 0.00 to 67 plf at 16.29
BC: From 7 plf at 0.00 to 7 plf at 16.29
TC: 671 lb Conc. Load at 6.15

Purlins

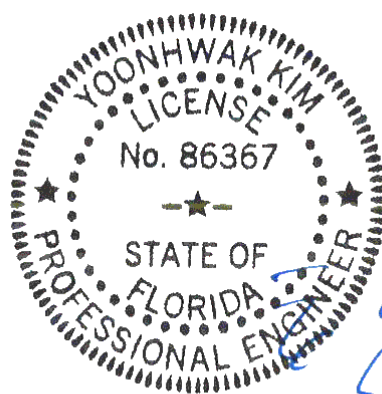
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.

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

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.

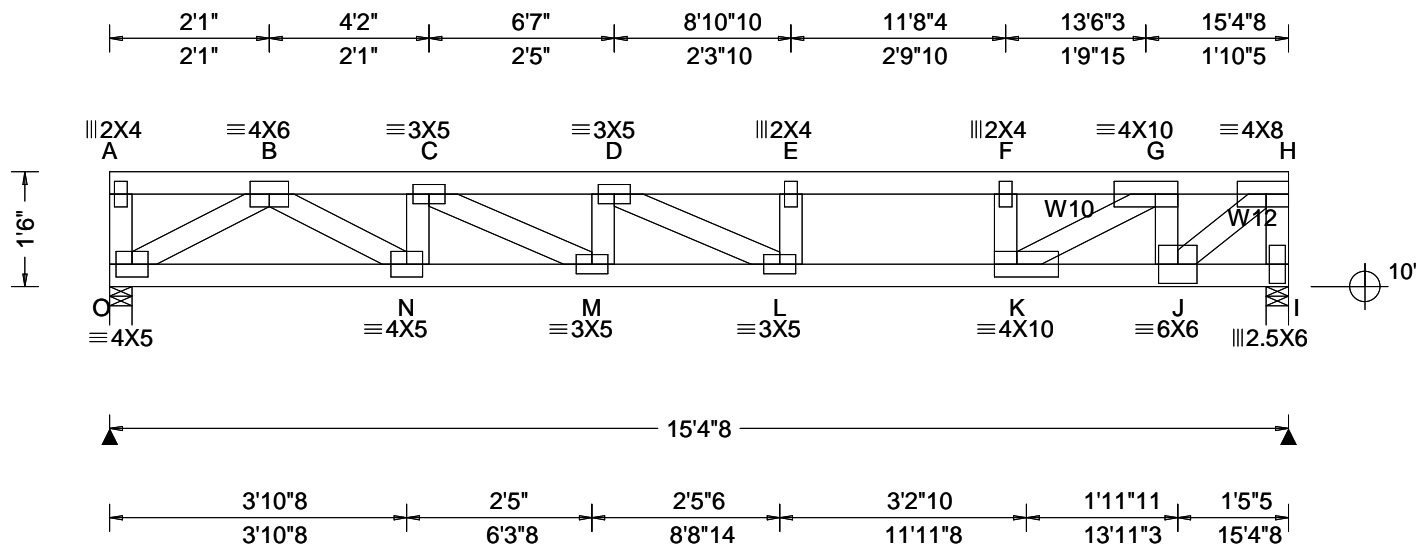


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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536480 FROM: RFG	FLAT Ply: 1 Qty: 6	Job Number: 22-8616B Terrell Truss Label: FL1A	Cust: R 215 JRRef: 1XMB2150006 T26 DrwNo: 016.23.0823.47563 KD / YK 01/16/2023
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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: 2.00 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: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.202 L 915 480 VERT(CL): 0.289 E 638 360 HORZ(LL): 0.039 A - - HORZ(TL): 0.061 A - - Creep Factor: 2.0 Max TC CSI: 0.770 Max BC CSI: 0.673 Max Web CSI: 0.672 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL O 1087 -/- /- /- /- /- /- I 1610 -/- /- /- /- /- /- O Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings O & 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. B - C 0 -2763 E - F 0 -4287 C - D 0 -3801 F - G 0 -4133 D - E 0 -4260 G - H 0 -1789

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10, W12 2x4 SP #2;

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 15.37
BC: From 10 plf at 0.00 to 10 plf at 15.37
TC: 1006 lb Conc. Load at 11.69

Purlins

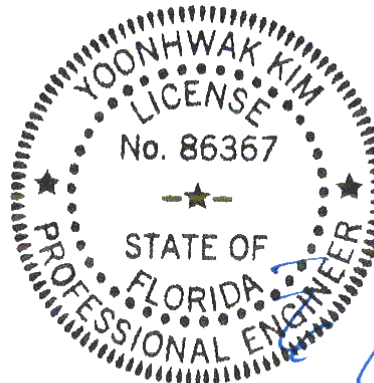
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.

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

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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1663 0	L - K	4287 0
N - M	2935 0	K - J	2152 0
M - L	3909 0		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
O - B	0 -1912	F - K	0 -1282
B - N	1327 0	K - G	2383 0
N - C	0 -735	G - J	0 -1543
C - M	995 0	J - H	2324 0
M - D	0 -461	H - I	0 -1578
D - L	950 -167		

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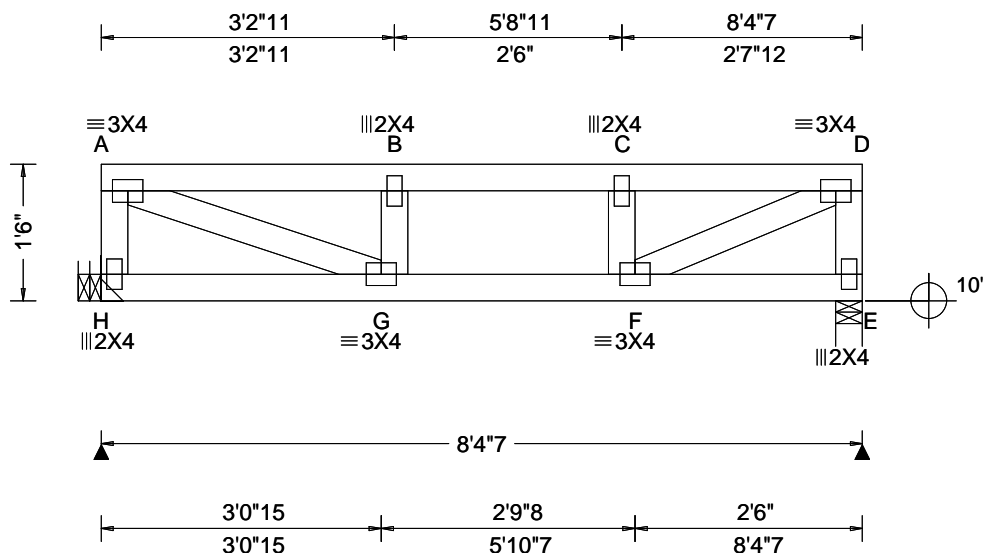
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536327 FROM: RFG	FLAT Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FL1B	Cust: R 215 JRef: 1Xmb2150006 T29 DrwNo: 016.23.0824.39780 KD / YK 01/16/2023
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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: 2.00 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: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.030 B 999 480 VERT(CL): 0.047 B 999 360 HORZ(LL): 0.009 A - - HORZ(TL): 0.014 A - - Creep Factor: 2.0 Max TC CSI: 0.329 Max BC CSI: 0.335 Max Web CSI: 0.380 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL H 460 -/- /- /- /- /- E 460 -/- /- /- /- /- H Brg Wid = - Min Req = - E Brg Wid = 3.5 Bearing E is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 0 -727 C - D 0 -725 B - C 0 -761

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

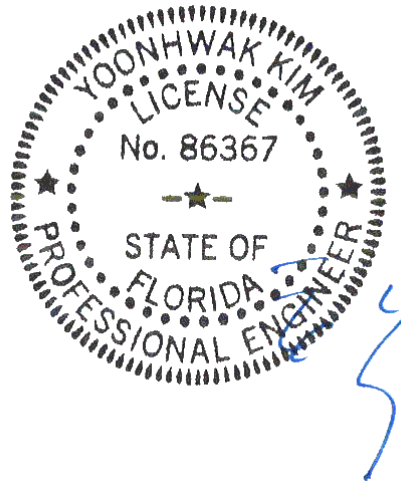
Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.
G - F	761 0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - H	0 -432	F - D	798 0
A - G	765 0	D - E	0 -454



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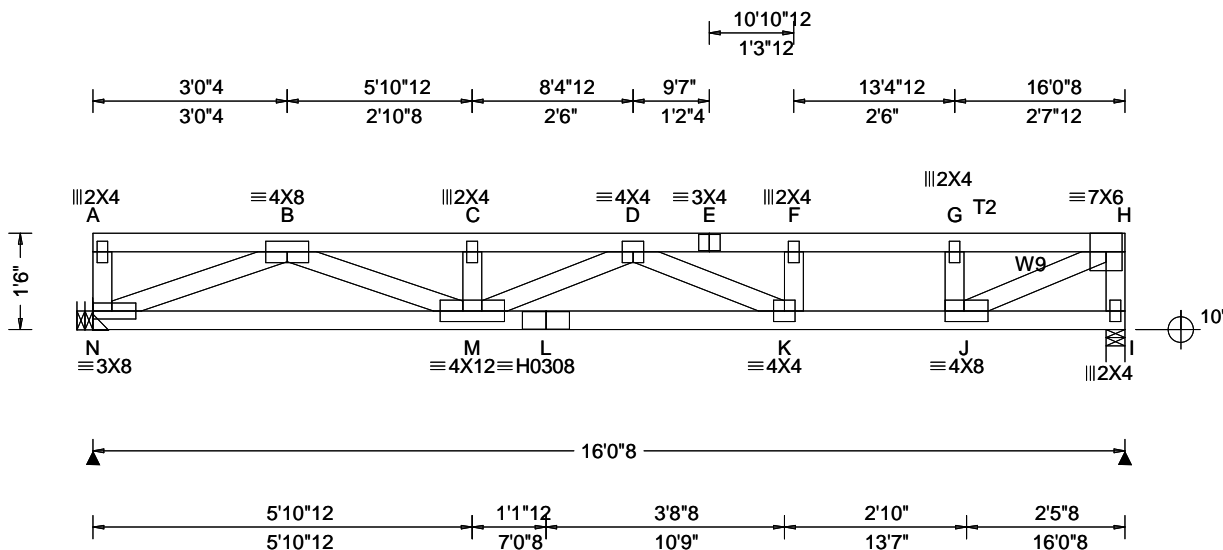
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SEQN: 536350 FROM: RFG	FLAT Ply: 1 Qty: 3	Job Number: 22-8616B Terrell Truss Label: FL2	Cust: R 215 JRef: 1XMB2150006 T28 DrwNo: 016.23.0818.29803 KD / YK 01/16/2023
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Loading Criteria (psf)	Wind Criteria	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: 2.00 Load Duration: 1.00 Spacing: 16.0 "	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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.259 D 742 480 VERT(CL): 0.402 D 478 360 HORZ(LL): 0.045 A - - HORZ(TL): 0.070 A - - Creep Factor: 2.0 Max TC CSI: 0.662 Max BC CSI: 0.811 Max Web CSI: 0.808 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh N 1013 - / - / - I 835 - / - / - N Brg Wid = - I Brg Wid = 3.5 Non-Gravity / Rw / U / RL - / - / - - / - / - Min Req = - Bearing I 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 0 - 3832 E - F 0 - 2236 C - D 0 - 3832 F - G 0 - 2192 D - E 0 - 2236 G - H 0 - 2111

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 67 plf at 0.00 to 67 plf at 16.04
BC: From 7 plf at 0.00 to 7 plf at 16.04
TC: 671 lb Conc. Load at 5.90

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

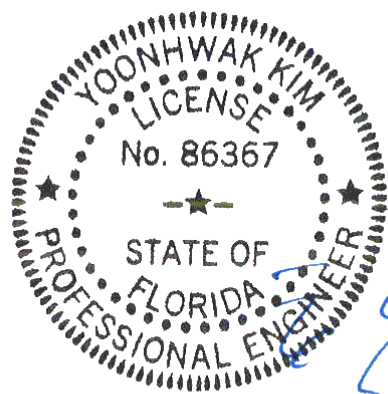
The TC of this truss shall be braced with attached spans at 24" oc in lieu of structural sheathing.

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1-6-0.

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

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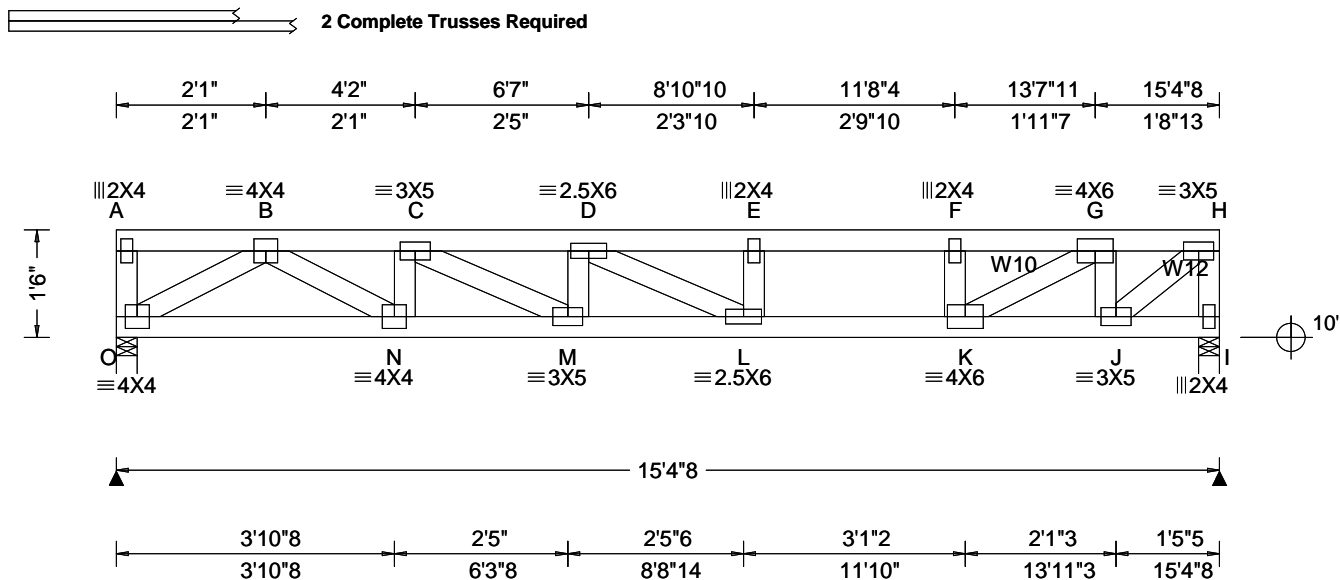


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ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536453 FROM: RFG	FLAT Ply: 2 Qty: 4	Job Number: 22-8616B Terrell Truss Label: FL2A	Cust: R 215 JRRef: 1XMB2150006 T43 DrwNo: 016.23.0819.12440 KD / YK 01/16/2023
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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: 2.00 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.205 E 900 480 VERT(CL): 0.319 E 578 360 HORZ(LL): 0.038 A - - HORZ(TL): 0.059 A - - Creep Factor: 2.0 Max TC CSI: 0.947 Max BC CSI: 0.869 Max Web CSI: 0.526 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL O 1580 -/- /- /- /- /- I 1375 -/- /- /- /- /- O Brg Wid = 3.5 Min Req = 1.5 I Brg Wid = 3.5 Min Req = 1.5 Bearings O & 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. B - C 0 -2160 E - F 0 -2246 C - D 0 -3169 F - G 0 -2188 D - E 0 -2272 G - H 0 -682

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W10, W12 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 9.25" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 15.37
BC: From 10 plf at 0.00 to 10 plf at 15.37
TC: 1264 lb Conc. Load at 6.44

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6-0.
THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.

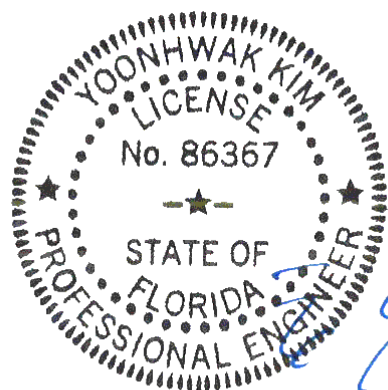
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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
O - N	1245	L - K	2246
N - M	2310	K - J	870
M - L	3249		0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
O - B	0 - 1432	F - K	0 - 487
B - N	1104	K - G	1584
N - C	0 - 638	G - J	0 - 805
C - M	989	J - H	883
D - L	0 - 1186	H - I	0 - 635



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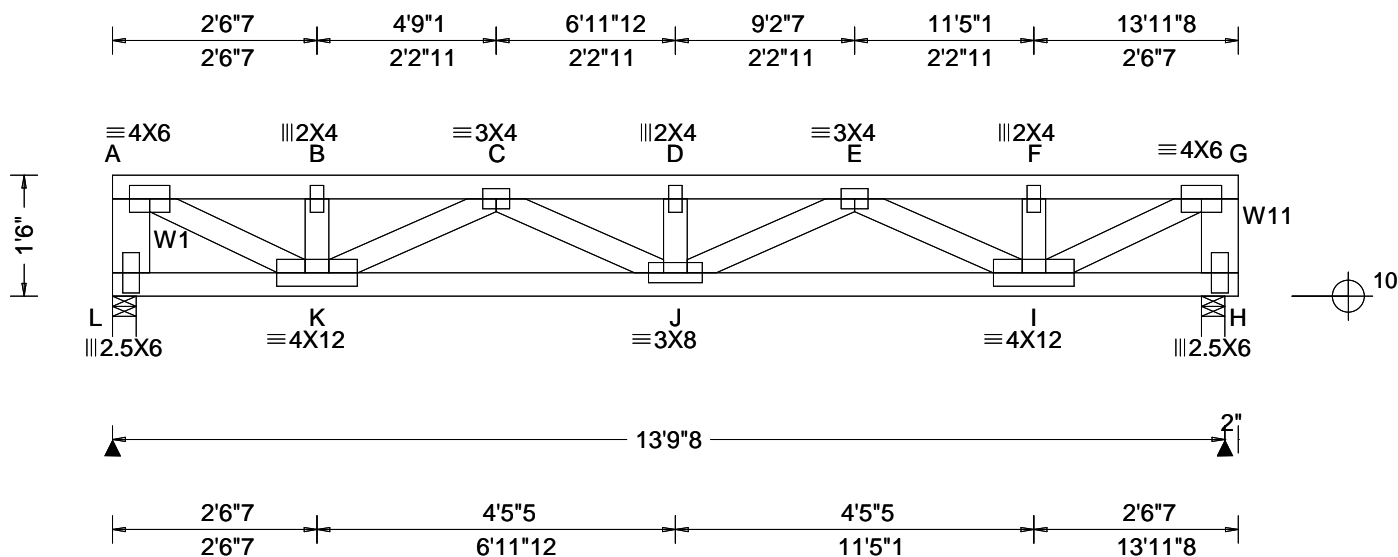
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 536323 FROM: RFG	FLAT Ply: 1 Qty: 3	Job Number: 22-8616B Terrell Truss Label: FL3	Cust: R 215 JRRef: 1XMB2150006 T31 DrwNo: 016.23.0819.27473 KD / YK 01/16/2023
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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: 2.00 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: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.099 D 999 480 VERT(CL): 0.154 D 999 360 HORZ(LL): 0.021 A - - HORZ(TL): 0.034 A - - Creep Factor: 2.0 Max TC CSI: 0.376 Max BC CSI: 0.721 Max Web CSI: 0.724 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL L 779 -/- /- /- /- /- H 1707 -/- /- /- /- /- L Brg Wid = 3.5 Min Req = 1.5 H Brg Wid = 3.5 Min Req = 2.0 Bearings L & 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. A - B 0 - 1349 D - E 0 - 2281 B - C 0 - 1349 E - F 0 - 1452 C - D 0 - 2281 F - G 0 - 1452 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. K - J 2017 0 J - I 2053 0 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. A - L 0 - 754 E - I 0 - 712 A - K 1448 0 I - G 1520 0 K - C 0 - 760 G - H 0 - 1680

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W1,W11 2x6 SP 2400f-2.0E;

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 13.96
BC: From 10 plf at 0.00 to 10 plf at 13.96
TC: 951 lb Conc. Load at 13.79

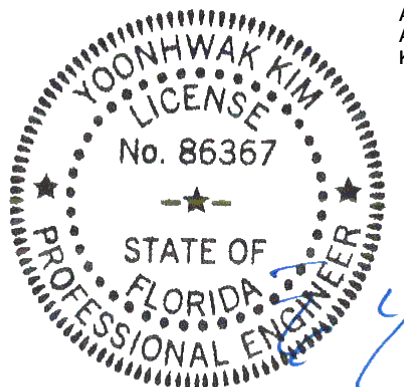
Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.

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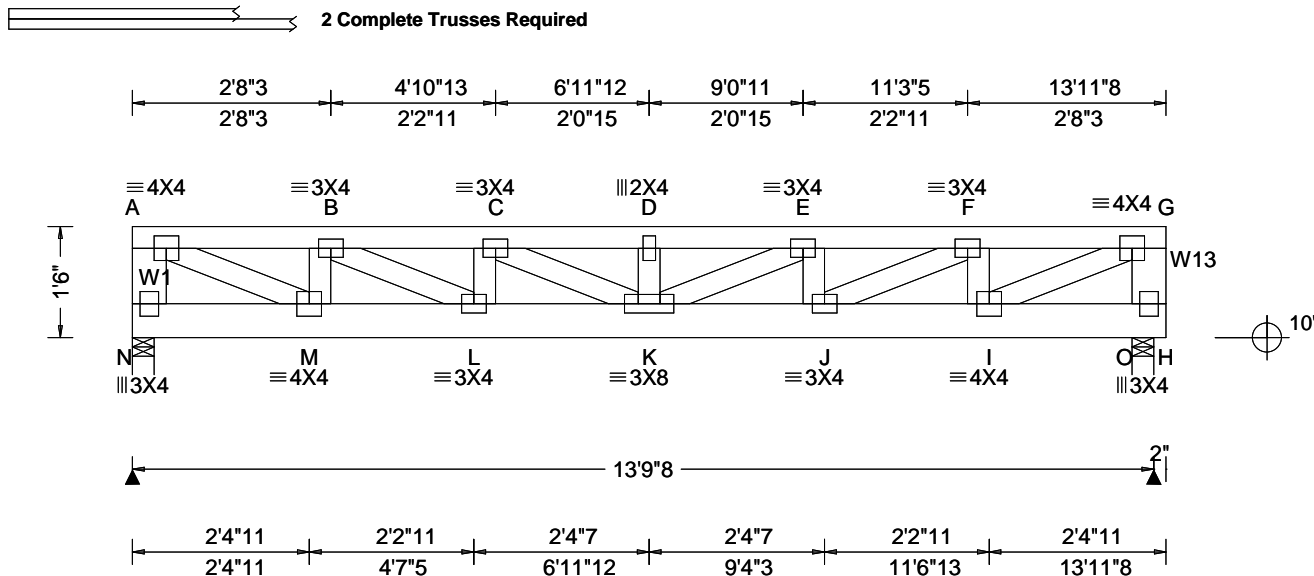
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536321 FROM: RFG	FLAT Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FL3G	Cust: R 215 JRef: 1XMB2150006 T34 DrwNo: 016.23.0819.36910 KD / YK 01/16/2023
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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: 2.00 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: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.066 D 999 480 VERT(CL): 0.101 D 999 360 HORZ(LL): 0.013 A - - HORZ(TL): 0.019 A - - Creep Factor: 2.0 Max TC CSI: 0.162 Max BC CSI: 0.195 Max Web CSI: 0.518 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL N 984 -/- /- /- /- /- O 2072 -/- /- /- /- /- N Brg Wid = 3.5 Min Req = 1.5 O Brg Wid = 3.5 Min Req = 1.5 Bearings N & O 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 0 -837 D - E 0 -1702 B - C 0 -1429 E - F 0 -1584 C - D 0 -1702 F - G 0 -1033

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W1, W13 2x6 SP 2400f-2.0E;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @10.25" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 100 plf at 0.00 to 100 plf at 6.48
TC: From 50 plf at 6.48 to 50 plf at 13.96
BC: From 10 plf at 0.00 to 10 plf at 6.48
BC: From 5 plf at 6.48 to 5 plf at 13.96
TC: 951 lb Conc. Load at 13.79
BC: 245 lb Conc. Load at 6.48, 8.48, 10.48, 12.48

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6"-0.

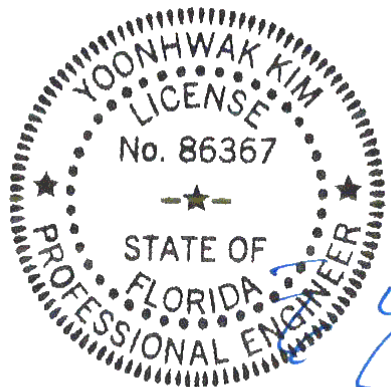
It is the responsibility of the Building Designer and Truss Fabricator to review this drawing prior to cutting lumber to verify that all data, including dimensions and loads, conform to the architectural plans/specifications and fabricators truss layout.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
M - L	943	0	K - J	1609	0
L - K	1488	0	J - I	1126	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.		Webs	Tens. Comp.	
A - N	0	-450	J - F	530	0
A - M	894	0	I - G	1087	0
M - B	0	-422	G - H	0	-953
B - L	563	0			



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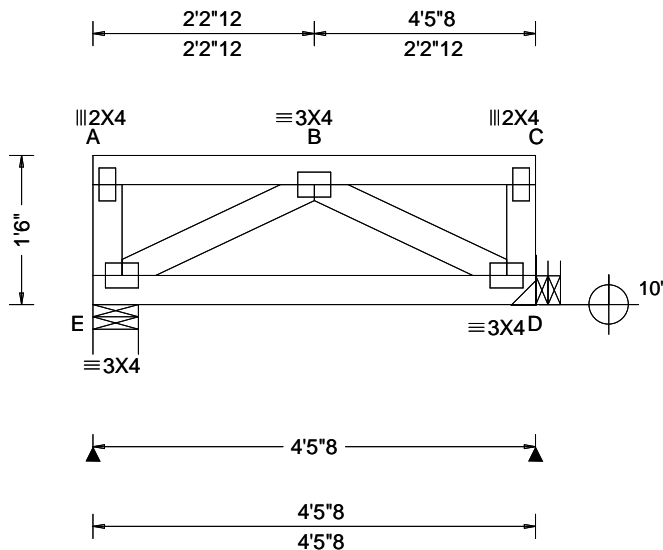
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536317 FROM: RFG	FLAT Ply: 1 Qty: 4	Job Number: 22-8616B Terrell Truss Label: FL4	Cust: R 215 JRef: 1Xmb2150006 T32 DrwNo: 016.23.0806.56880 KD / YK 01/16/2023
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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: 2.00 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:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 B 999 480 VERT(CL): 0.004 B 999 360 HORZ(LL): 0.001 D - - HORZ(TL): 0.002 D - - Creep Factor: 2.0 Max TC CSI: 0.110 Max BC CSI: 0.174 Max Web CSI: 0.069 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 245 -/- /- /- /- /- D 245 -/- /- /- /- /- E Brg Wid = 5.5 Min Req = 1.5 D Brg Wid = - Bearing E is a rigid surface. Members not listed have forces less than 375#

Lumber

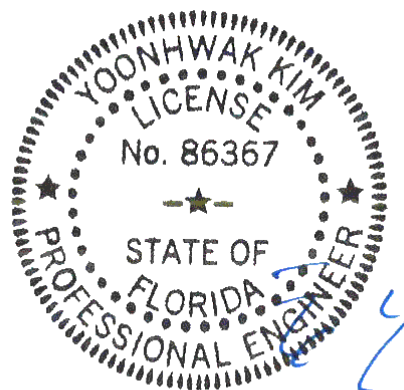
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Hangers / Ties

(J) Hanger Support Required, by others

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6-0.



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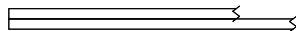
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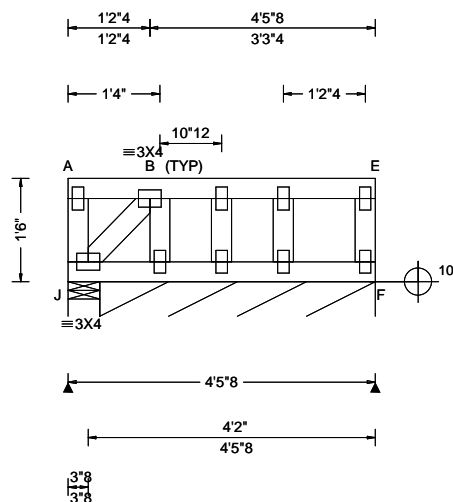
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536445 FROM: RFG	GABL Ply: 2 Qty: 1	Job Number: 22-8616B Terrell Truss Label: FL4A	Cust: R 215 JRef: 1Xmb2150006 T33 DrwNo: 016.23.0807.01307 KD / YK 01/16/2023
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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: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 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: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.000 D 999 480 VERT(CL): 0.000 D 999 360 HORZ(LL): 0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.019 Max BC CSI: 0.005 Max Web CSI: 0.014 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL J 70 -/- -/- -/- -/- F* 105 -/- -/- -/- -/- J Brg Wid = 5.5 Min Req = 1.5 F Brg Wid = 48.0 Min Req = - Bearings J & J 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;

Nailnote

Nail Schedule: 0.128"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

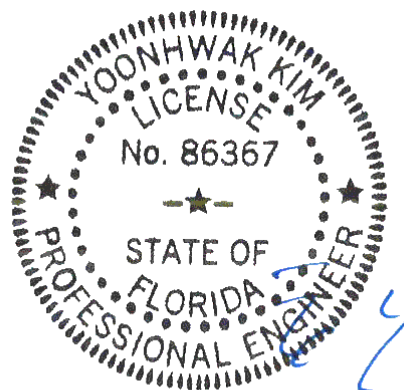
All plates are 2X4 except as noted.

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.
The overall height of this truss excluding overhang is 1'-6-0.



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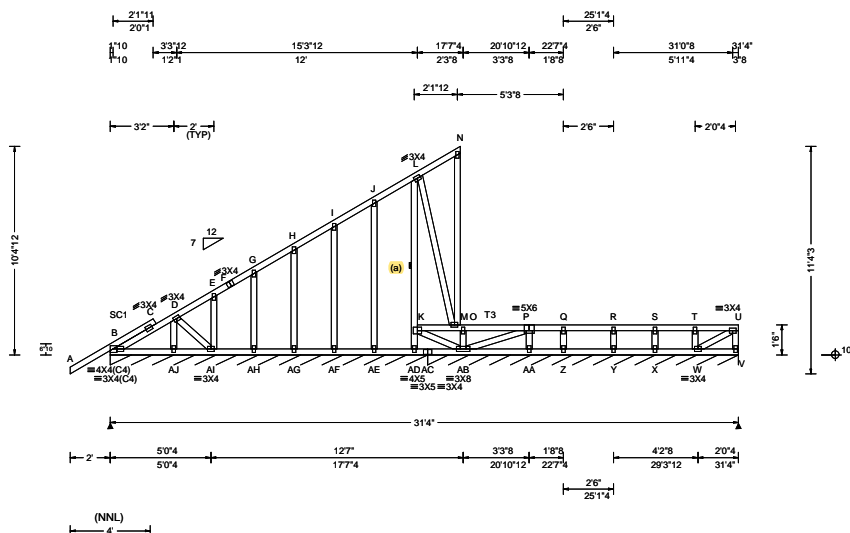
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SEQN: 536490 FROM: RFG	GABL Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT1	Cust: R 215 JRRef: 1XMB2150006 T41 DrwNo: 016.23.0807.21887 KD / YK 01/16/2023
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.13 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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/def L/# VERT(LL): 0.005 B 659 480 VERT(CL): 0.009 B 396 360 HORZ(LL): -0.002 B - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.634 Max BC CSI: 0.162 Max Web CSI: 0.234 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 276 -/- /73 -/- /12 AC*291 -/- /53 /44 -/- Wind reactions based on MWFRS B Brg Wid = 190 Min Req = - AC Brg Wid = 186 Min Req = - Bearings B & AC are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 1288 - 1311

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

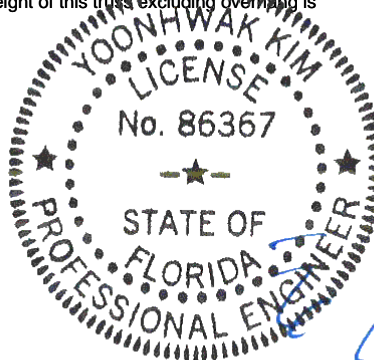
Wind loading based on both gable and hip roof types.

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 10-4-12.



Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
O - AB	247 -890	Q - Z	229 -573
P - AA	304 -695	R - Y	280 -698

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.	Gables	Tens. Comp.
AJ - D	0 -500	J - AE	0 -511
AI - E	0 -466	K - AD	0 -448
G - AH	0 -478	K - L	0 -464
H - AG	0 -487	S - X	219 -560
I - AF	0 -501	T - W	273 -714

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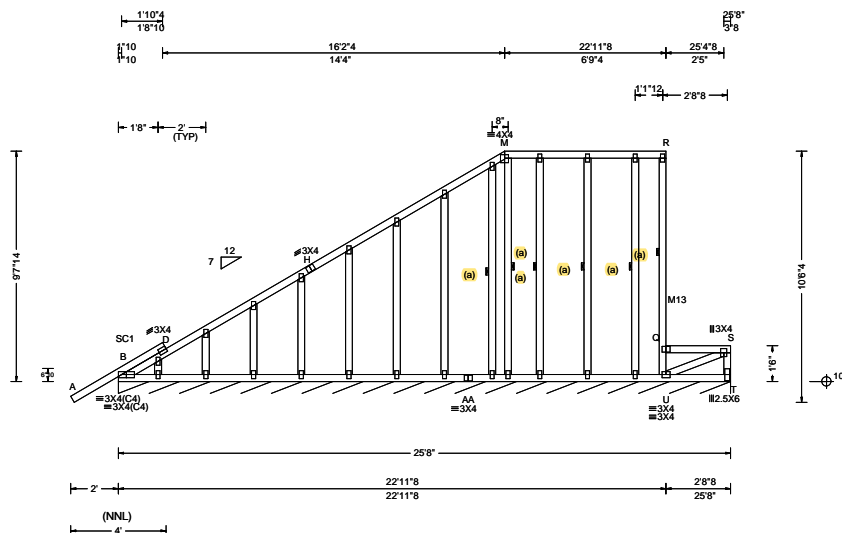
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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536413 FROM: RFG	GABL Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT1A	Cust: R 215 JRef: 1XMb2150006 T40 DrwNo: 016.23.0807.25257 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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): 0.003 B 999 240 VERT(CL): 0.006 B 587 180 HORZ(LL): -0.005 R - - HORZ(TL): 0.008 R - - Creep Factor: 2.0 Max TC CSI: 0.723 Max BC CSI: 0.216 Max Web CSI: 0.656 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T* 172 - / - / 49 / 5 / 12 Wind reactions based on MWFRS T Brg Wid = 308 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 - D 440 -552 B - D 473 -409

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; M13 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

In lieu of structural panels use purlins to brace all sloping TC @ 24" oc; all flat TC @ 0" oc.

Wind

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

Right end vertical not exposed to wind pressure.

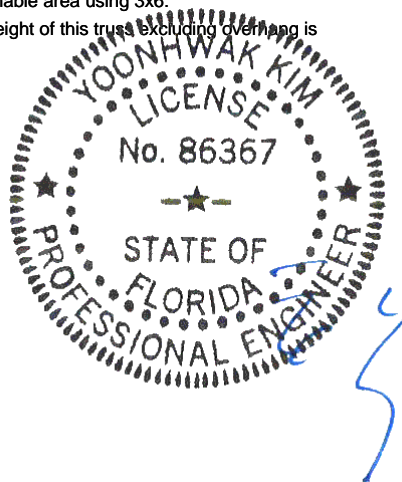
Wind loading based on both gable and hip roof types.

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). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.

The overall height of this truss excluding overhang is 9'-7"-14'.



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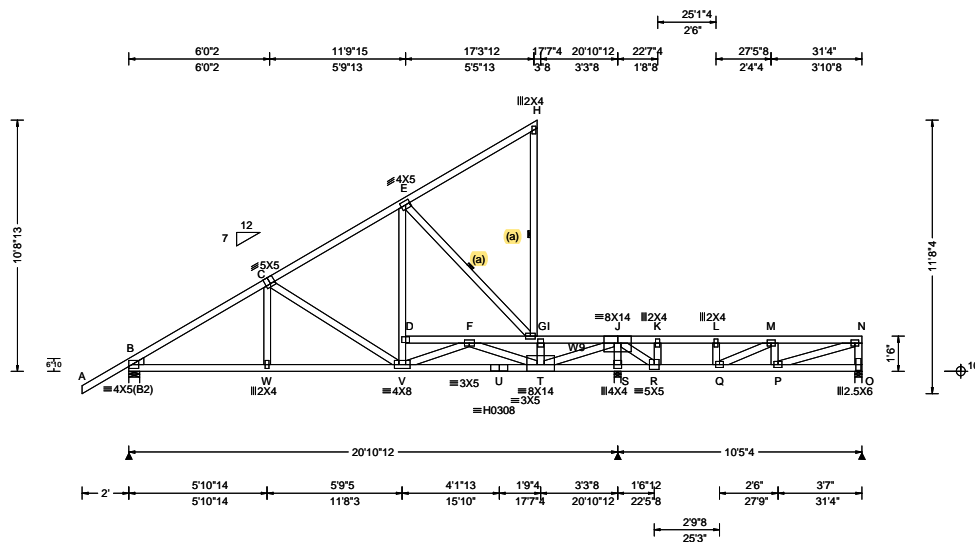
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Glenview, IL 60025

SEQN: 536315 FROM: RFG	COMN Ply: 1 Qty: 10	Job Number: 22-8616B Terrell Truss Label: FT2	Cust: R 215 JRef: 1XMB2150006 T1 DrwNo: 016.23.0807.49033 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.13 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.142 H 999 480 VERT(CL): 0.214 H 999 360 HORZ(LL): 0.061 H - - HORZ(TL): 0.092 H - - Creep Factor: 2.0 Max TC CSI: 0.611 Max BC CSI: 0.447 Max Web CSI: 0.776 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1425 - / - / - /533 /233 /350 S 2788 - / - / - /724 /458 - / - O 359 - / - / - /136 /86 - / - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 S Brg Wid = 3.5 Min Req = 1.9 O Brg Wid = 3.5 Min Req = 1.5 Bearings B, S, & O are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP M-31;
Lt Wedge: 2x4 SP #3;

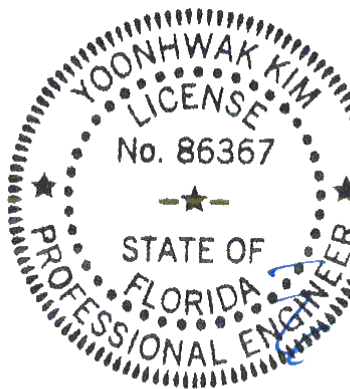
Bracing
(a) Continuous lateral restraint equally spaced on member.

Special Loads
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at -2.00 to 103 plf at 31.33
BC: From 5 plf at -2.00 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 31.33
TC: 811 lb Conc. Load at 17.60

Plating Notes
All plates are 3X4 except as noted.

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

Additional Notes
The overall height of this truss excluding overhang is 10-8-13.

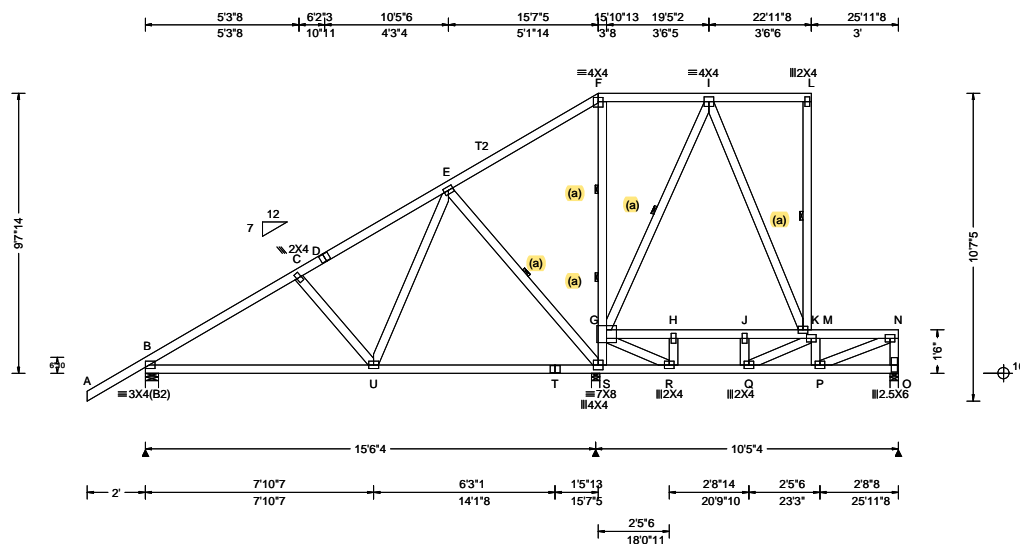


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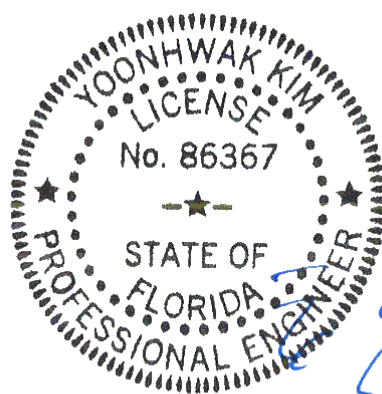
SEQN: 536469 FROM: RFG	COMN Ply: 1 Qty: 10	Job Number: 22-8616B Terrell Truss Label: FT2A	Cust: R 215 JRRef: 1XMB2150006 T12 DrwNo: 016.23.0755.57427 KD / YK 01/16/2023
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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/def L/# VERT(LL): 0.056 J 999 480 VERT(CL): 0.084 J 999 360 HORZ(LL): -0.012 N - - HORZ(TL): 0.018 N - - Creep Factor: 2.0 Max TC CSI: 0.821 Max BC CSI: 0.656 Max Web CSI: 0.801 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 703 -/- /- /362 /166 /332 S 2878 -/- /- /756 /451 -/ O 499 -/- /- /71 /61 -/ Non-Gravity Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 S Brg Wid = 3.5 Min Req = 3.0 O Brg Wid = 3.5 Min Req = 1.5 Bearings B, S, & O are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Bracing (a) Continuous lateral restraint equally spaced on member. Special Loads ----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 103 plf at -2.00 to 103 plf at 25.96 BC: From 5 plf at -2.00 to 5 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at 9.53 BC: From 50 plf at 9.53 to 50 plf at 12.42 BC: From 10 plf at 12.42 to 10 plf at 25.96 TC: 811 lb Conc. Load at 23.10	Additional Notes WARNING: 20 psf additional bottom chord live load check has been modified The overall height of this truss excluding overhang is 9-7-14.
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Plating Notes All plates are 3X4 except as noted.	Wind Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.
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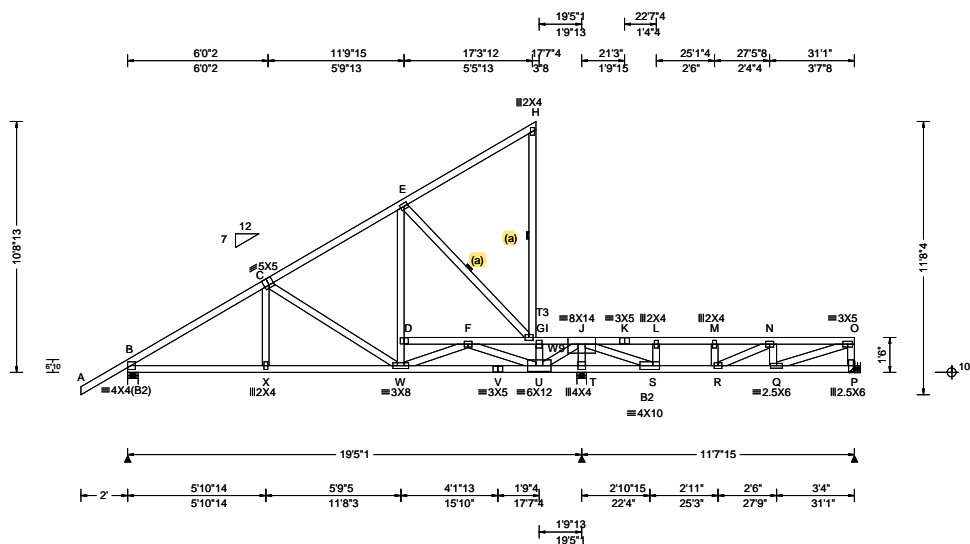


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536312 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT2B	Cust: R 215 JRRef: 1XMB2150006 T7 DrwNo: 016.23.0756.03980 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.11 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.084 M 999 480 VERT(CL): 0.126 M 999 360 HORZ(LL): 0.027 C - - HORZ(TL): 0.041 C - - Creep Factor: 2.0 Max TC CSI: 0.703 Max BC CSI: 0.813 Max Web CSI: 0.952 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1302 - / - /500 /221 /350 T 2755 - / - /716 /452 - P 487 - / - /157 /103 - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 T Brg Wid = 4.9 Min Req = 1.9 P Brg Wid = - Bearings B & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP M-31; T3 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3; W9 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at -2.00 to 103 plf at 31.08
BC: From 5 plf at -2.00 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 31.08
TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

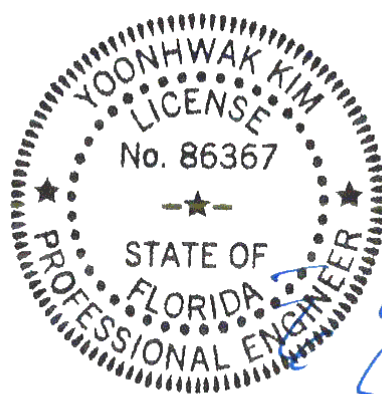
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.

WIND LOAD CASE MODIFIED!



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	1172 -342	U - T	347 -1536
X - W	1172 -343	T - S	347 -1536
W - V	1099 -214	S - R	387 -471
V - U	1099 -214	R - Q	931 -570

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	179 -544	J - T	721 -2688
D - W	539 -91	J - S	1998 -781
D - E	520 -85	S - L	258 -557
W - F	84 -409	R - N	149 -606
E - G	290 -1059	Q - O	927 -552
U - J	3232 -578	O - P	279 -472
I - U	340 -1855		

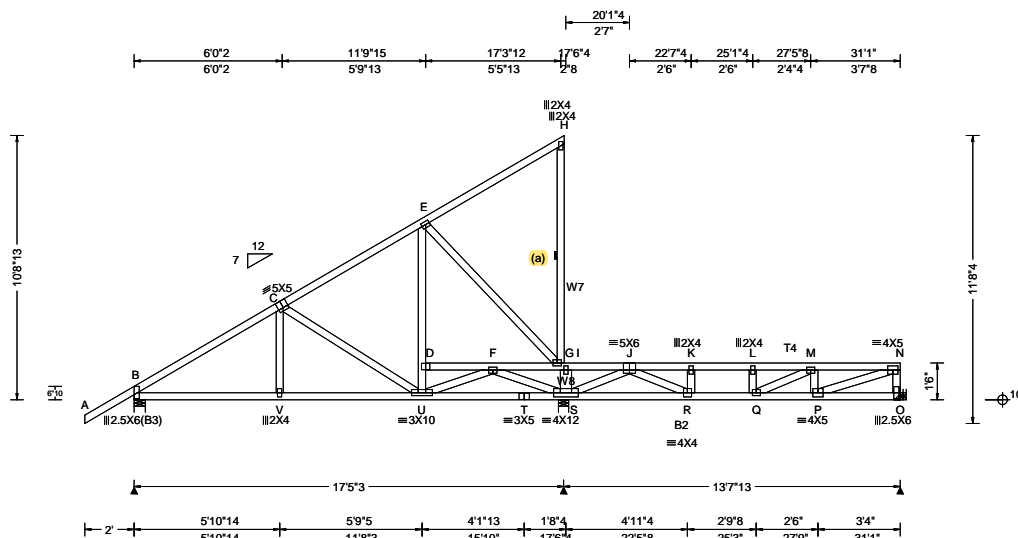
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 536309 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT3	Cust: R 215 JRef: 1XMb2150006 T8 DrwNo: 016.23.0756.17693 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.11 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.091 L 999 480 VERT(CL): 0.136 L 999 360 HORZ(LL): 0.019 O - - HORZ(TL): 0.029 O - - Creep Factor: 2.0 Max TC CSI: 0.553 Max BC CSI: 0.619 Max Web CSI: 0.816 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1130 - / - / 429 / 203 / 464 S 2763 - / - / 745 / 400 - / - O 651 - / - / 179 / 126 - / - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 S Brg Wid = 4.9 Min Req = 1.9 O Brg Wid = - Bearings B & S are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP M-31; T4 2x4 SP #2; Bot chord: 2x4 SP #2; B2 2x4 SP M-31; Webs: 2x4 SP #3; W7 2x4 SP M-31; W8 2x6 SP 2400f-2.0E;	The overall height of this truss excluding overhang is 10-8-13.	Chords Tens.Comp. Chords Tens. Comp. B - C 219 - 1217 J - K 671 - 1322 C - E 130 - 637 K - L 696 - 1371 F - G 1567 - 569 L - M 689 - 1362 G - I 1138 - 452 M - N 625 - 1299 I - J 1138 - 452

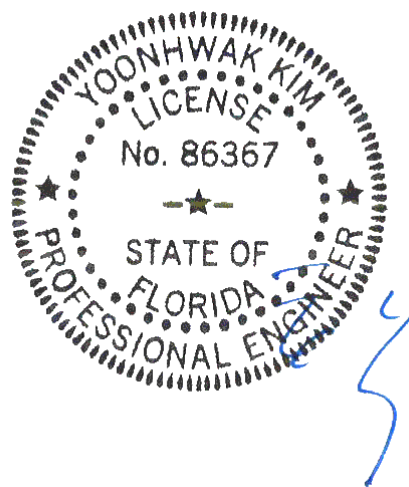
Bracing	Maximum Bot Chord Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. B - V 908 - 275 R - Q 1371 - 696 V - U 907 - 276 Q - P 1394 - 681

Special Loads	Maximum Web Forces Per Ply (lbs)
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 103 plf at -2.00 to 103 plf at 31.08 BC: From 5 plf at -2.00 to 5 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at 31.08 TC: 811 lb Conc. Load at 17.60	Webs Tens.Comp. Webs Tens. Comp. C - U 185 - 570 J - R 1146 - 483 U - F 809 - 297 R - K 213 - 411 E - G 183 - 645 M - P 237 - 405 F - S 318 - 890 P - N 1363 - 655 S - J 756 - 1590 N - O 316 - 628 I - S 322 - 1701

Plating Notes
All plates are 3X4 except as noted.

Hangers / Ties
(J) Hanger Support Required, by others

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



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The drawing illustrates a roof truss system with the following components and dimensions:

- Members:**
 - Top chord: #4X5 F, #5X6 E, #4X5 F, #2X4 I, #2X4 L.
 - Bottom chord: #3X4(B2), #4X4 U, #7X8 S, #4X4 T, #2X4 R, #2X4 B2, #2X4 Q, #2X4 W13, #4X10 P, #2.5X6 O.
 - Verticals: #2X4 C, #2X4 D, #2X4 H, #2X4 J, #2X4 K, #2X4 M.
 - Diagonals: #2X4 A, #2X4 G, #2X4 I, #2X4 J, #2X4 K, #2X4 L.
- Joints:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z.
- Dimensions:**
 - Overall width: 100'4" (split into 2', 100'4", 39'12", 19'5", 28'14", 26'14", 23'8").
 - Overall height: 107'5" (split into 97'14", 10').
 - Roof pitch: 12/7.
 - Member lengths: 5'0"1, 5'5"8, 10'5"6, 15'7"5, 15'10"13, 19'5"2, 22'11"8, 25'3" (top); 2'0", 100'4", 39'12", 19'5", 28'14", 26'14", 23'8" (bottom).

Lumber	Additional Notes	B - C	463	- 378	H - J	295	- 1271
Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;	WARNING: 20 psf additional bottom chord live load	C - D	745	- 446	J - K	301	- 1305
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;	check has been modified	D - E	1001	- 443	K - M	392	- 1439
Webs: 2x4 SP #3; W13 2x4 SP #2;	The overall height of this truss excluding overhang is 9'-7-14."	G - H	287	- 1240	M - N	595	- 2206

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)

TC:	From	103 plf at	-2.00 to	103 plf at	25.67
BC:	From	5 plf at	-2.00 to	5 plf at	0.00
BC:	From	10 plf at	0.00 to	10 plf at	10.39
BC:	From	50 plf at	10.39 to	50 plf at	12.42
BC:	From	10 plf at	12.42 to	10 plf at	25.67
TC:	811 lb Conc. Load at 23.10				

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	206	- 537	I - K	255	- 377
U - E	660	- 1963	Q - M	312	- 1149

Hangers / Ties
(J) Hanger Support Required, by others

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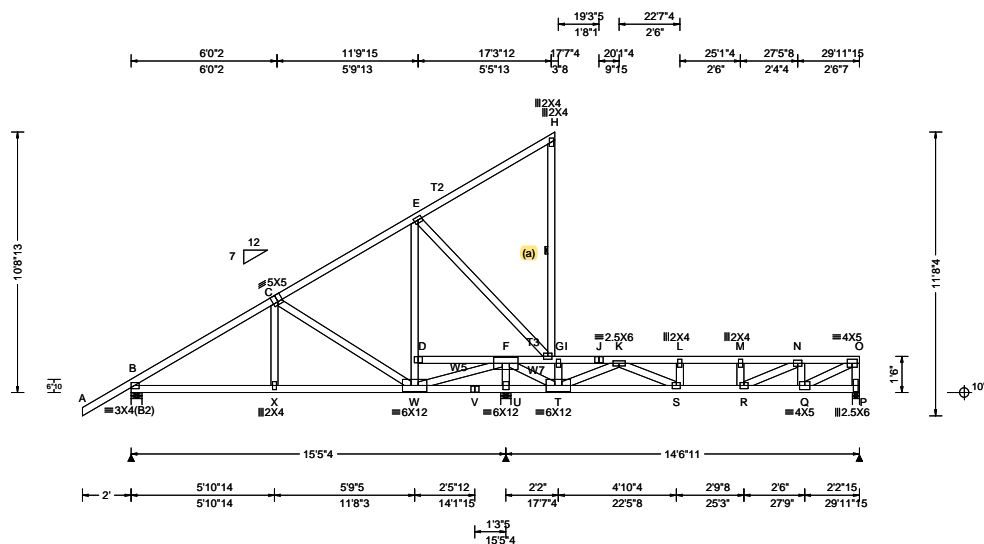
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155 Harlem Ave
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 Glenview, IL 60025

SEQN: 536306 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT4	Cust: R 215 JRef: 1Xmb2150006 T21 DrwNo: 016.23.0756.39700 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.112 L 999 480 VERT(CL): 0.170 L 999 360 HORZ(LL): 0.020 H - - HORZ(TL): 0.031 H - - Creep Factor: 2.0 Max TC CSI: 0.906 Max BC CSI: 0.669 Max Web CSI: 0.939 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL B 918 -/- /- /396 /183 /352 U 2758 -/- /- /720 /337 -/ P 744 -/- /- /192 /133 -/ Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 U Brg Wid = 4.9 Min Req = 2.9 P Brg Wid = 3.4 Min Req = 1.5 Bearings B, U, & P are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W5,W7 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at -2.00 to 103 plf at 30.00
BC: From 5 plf at -2.00 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 30.00
TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 3X4 except as noted.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

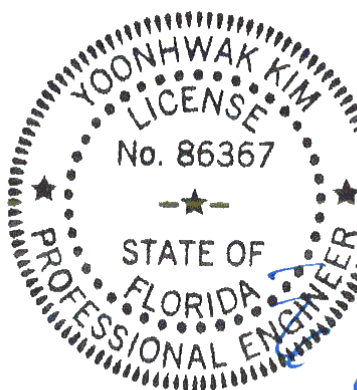
The overall height of this truss excluding overhang is 10-8-13.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	585 -229	U - T	717 -2471
X - W	584 -229	T - S	1502 -560
W - V	717 -2471	S - R	1951 -814
V - U	717 -2471	R - Q	1270 -565

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - W	195 -608	T - K	628 -1185
D - W	188 -485	K - S	478 -271
D - E	198 -529	R - N	735 -275
W - F	2680 -787	N - Q	294 -619
F - U	693 -2625	Q - O	1267 -559
F - T	3328 -832	O - P	332 -721
I - T	180 -1133		

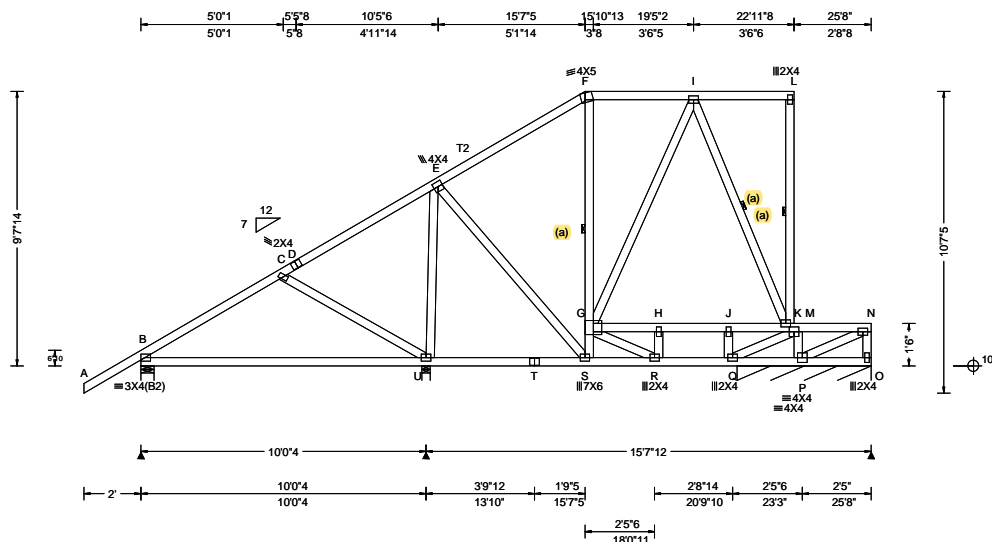


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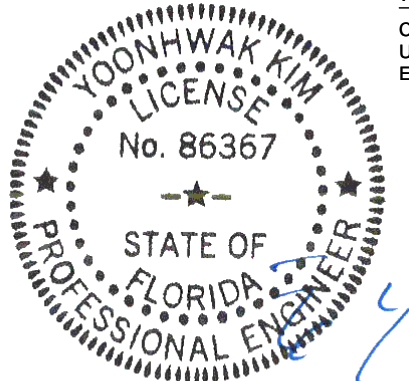
SEQN: 536486 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT4A	Cust: R 215 JRef: 1Xmb2150006 T38 DrwNo: 016.23.0756.52897 KD / YK 01/16/2023
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 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: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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 F 999 480 VERT(CL): 0.023 F 999 360 HORZ(LL): 0.004 O - - HORZ(TL): 0.009 B - - Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.628 Max Web CSI: 0.881 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 699 -/- /- /290 /107 /271 U 1525 -/- /- /555 /287 -/- O* 380 -/- /- /64 /41 -/- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 U Brg Wid = 3.5 Min Req = 1.5 O Brg Wid = 56.5 Min Req = - Bearings B, U, & 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.

Lumber Top chord: 2x4 SP #2; T2 2x4 SP M-31; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3; Bracing (a) Continuous lateral restraint equally spaced on member. Special Loads ----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 103 plf at -2.00 to 103 plf at 25.67 BC: From 5 plf at -2.00 to 5 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at 10.39 BC: From 50 plf at 10.39 to 50 plf at 12.42 BC: From 10 plf at 12.42 to 10 plf at 25.67 TC: 811 lb Conc. Load at 23.10	Additional Notes WARNING: 20 psf additional bottom chord live load check has been modified The overall height of this truss excluding overhang is 9-7.14.
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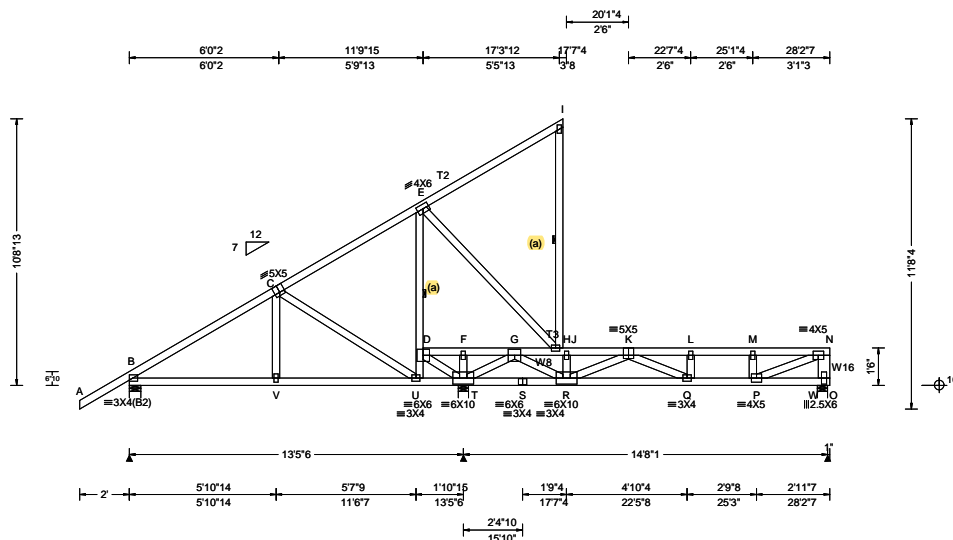
Plating Notes All plates are 3X4 except as noted. Wind Wind loads based on MWFRS with additional C&C member design. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Q - P 530 -150 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. C - U 195 -498 I - K 292 -495 U - E 429 -1116 M - P 433 -1500 E - S 421 -166
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SEQN: 536303 FROM: RFG	COMN Ply: 1 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT5	Cust: R 215 JRef: 1XMB2150006 T6 DrwNo: 016.23.0757.06910 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.110 L 999 480 VERT(CL): 0.167 L 999 360 HORZ(LL): 0.039 I - - HORZ(TL): 0.060 I - - Creep Factor: 2.0 Max TC CSI: 0.803 Max BC CSI: 0.686 Max Web CSI: 0.759 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 540 -/- /- /295 /145 /352 T 3030 -/- /- /797 /362 -/ W 648 -/- /- /162 /115 -/ Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 T Brg Wid = 4.9 Min Req = 3.2 W Brg Wid = 4.9 Min Req = 1.5 Bearings B, T, & W are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T2,T3 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W8 2x4 SP #2;
W16 2x6 SP 2400f-2.0E;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at -2.00 to 103 plf at 28.20
BC: From 5 plf at -2.00 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 28.20
TC: 811 lb Conc. Load at 17.60

Plating Notes

All plates are 2X4 except as noted.

Wind

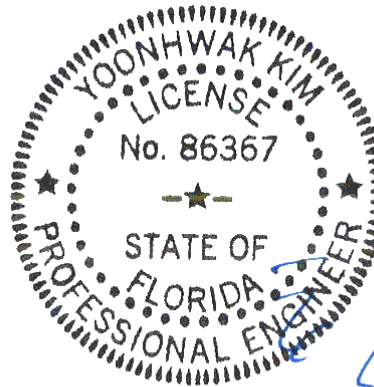
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 10-8-13.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	147 -541	R - Q	1276 -480
T - S	478 -1551	Q - P	1394 -599
S - R	478 -1551		

Maximum Web Forces Per Ply (lbs)

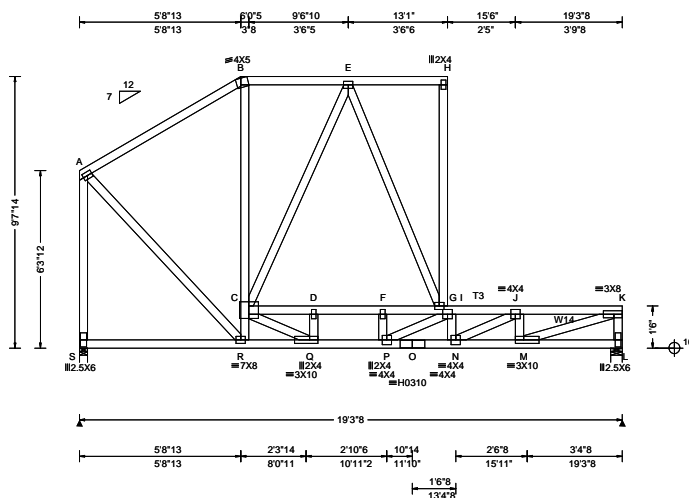
Webs	Tens.Comp.	Webs	Tens. Comp.
C - U	205 -652	J - R	89 -660
D - E	447 -1510	R - K	550 -966
D - T	879 -3171	M - P	223 -437
E - H	723 -199	P - N	1419 -598
T - G	479 -2028	N - O	307 -655
G - R	2259 -540		

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Glenview, IL 60025

SEQN: 536390 FROM: RFG	COMN Ply: 2 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT5A	Cust: R215 JRef: 1XMB2150006 T35 DrwNo: 016.23.0757.17307 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.58 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.228 F 999 480 VERT(CL): 0.357 F 649 360 HORZ(LL): 0.144 B - - HORZ(TL): 0.225 B - - Creep Factor: 2.0 Max TC CSI: 0.575 Max BC CSI: 0.836 Max Web CSI: 0.828 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL S 1346 -/- /- /356 /181 /100 L 1648 -/- /- /330 /234 -/ Wind reactions based on MWFRS S Brg Wid = 3.5 Min Req = 1.5 L Brg Wid = 4.9 Min Req = 1.5 Bearings S & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				A - B 143 -434 G - I 748 -2004 C - D 614 -1726 I - J 1186 -3215 D - F 631 -1773 J - K 792 -2043 F - G 646 -1820

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W14 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 19.29
BC: From 10 plf at 0.00 to 10 plf at 19.29
TC: 811 lb Conc. Load at 13.23

Plating Notes

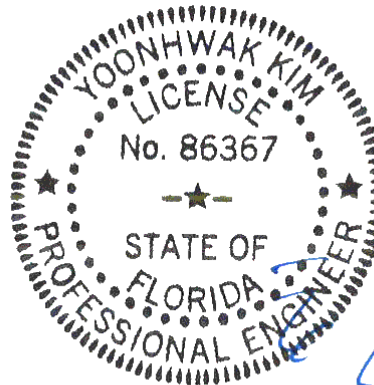
All plates are 3X4 except as noted.

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
9'-7-14."



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Glenview, IL 60025

The drawing shows a roof truss system with the following details:

- Members:**
 - Top chord: 6X6 (E), 6X6 (F), 6X6 (G), 6X6 (H)
 - Vertical: 6X6 (I), 6X6 (J), 6X6 (K), 6X6 (L), 6X6 (M), 6X6 (N)
 - Diagonal: 6X6 (O), 6X6 (P), 6X6 (Q), 6X6 (R), 6X6 (S), 6X6 (T), 6X6 (U), 6X6 (V), 6X6 (W), 6X6 (X), 6X6 (Y), 6X6 (Z)
 - Bottom chord: 6X6 (A), 6X6 (B), 6X6 (C), 6X6 (D), 6X6 (E), 6X6 (F), 6X6 (G), 6X6 (H), 6X6 (I), 6X6 (J), 6X6 (K), 6X6 (L), 6X6 (M), 6X6 (N), 6X6 (O), 6X6 (P), 6X6 (Q), 6X6 (R), 6X6 (S), 6X6 (T), 6X6 (U), 6X6 (V), 6X6 (W), 6X6 (X), 6X6 (Y), 6X6 (Z)
- Joints:**
 - Top: 6X6 (E), 6X6 (F), 6X6 (G), 6X6 (H)
 - Bottom: 6X6 (A), 6X6 (B), 6X6 (C), 6X6 (D), 6X6 (E), 6X6 (F), 6X6 (G), 6X6 (H), 6X6 (I), 6X6 (J), 6X6 (K), 6X6 (L), 6X6 (M), 6X6 (N), 6X6 (O), 6X6 (P), 6X6 (Q), 6X6 (R), 6X6 (S), 6X6 (T), 6X6 (U), 6X6 (V), 6X6 (W), 6X6 (X), 6X6 (Y), 6X6 (Z)
- Dimensions:**
 - Overall width: 10'8"13
 - Overall height: 11'8"4
 - Horizontal dimensions: 6'0"3, 11'11"15, 17'3"12, 17'7"4, 22'7"4, 25'1"4, 27'9"
 - Vertical dimensions: 10'8"13, 11'8"4, 10'
 - Member dimensions: 6'0"3, 11'11"15, 17'3"12, 17'7"4, 22'7"4, 25'1"4, 27'9"

Lumber	B - C	547	- 433	I - J	99	- 750
Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2;	C - E	1324	- 508	J - K	593	- 1484
Bot chord: 2x4 SP M-31;	F - G	318	- 1696	K - L	603	- 1484
Webs: 2x4 SP #3; W3 2x6 SP 2400f-2.0E;	G - I	99	- 750	I - M	574	- 1424

(a) Continuous lateral restraint equally spaced on member

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
 TC: From 103 plf at -2.00 to 103 plf at 27.75
 BC: From 5 plf at -2.00 to 5 plf at 0.00
 BC: From 10 plf at 0.00 to 10 plf at 27.75
 TC: 811 lb Conc. Load at 17.60

All plates are 2X4 except as noted.

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.

The overall height of this truss excluding overhang is 10-8-13.

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Florida Certificate of Product Approval #FL 1999-0016

Maximum Bot Chord Forces Per Ply (lbs)					
Chords			Tens. Comp.		
Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	274	-500	P - O	1484	-603
Q - P	1588	-560			

Maximum Web Forces Per Ply (lbs)					
Webbs	Tens.Comp.		Webbs	Tens. Comp.	
C - S	244	-797	F - Q	1085	-214
D - S	653	-2334	Q - J	531	-931
D - E	649	-2319	L - O	242	-504
S - F	146	-816	O - M	1580	-635
E - G	1425	-340	M - N	327	-742

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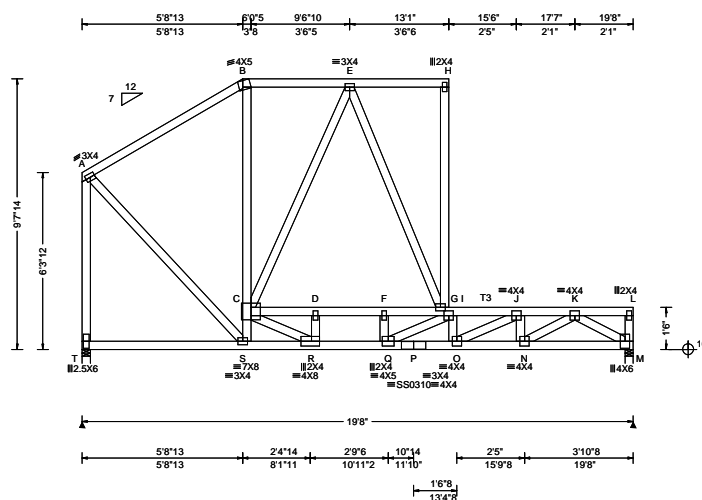
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbaccomponents.com; ICC: iccsafe.org; AWC: awc.org



SEQN: 536395 FROM: RFG	COMN Ply: 2 Qty: 4	Job Number: 22-8616B Terrell Truss Label: FT6A	Cust: R 215 JRef: 1XMB2150006 T22 DrwNo: 016.23.0757.40150 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.58 ft TCDL: 4.2 psf BCDL: 3.0 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: 1.33	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, 18SS	PP Deflection in loc L/def L/# VERT(LL): 0.238 F 993 480 VERT(CL): 0.371 F 635 360 HORZ(LL): 0.149 B - - HORZ(TL): 0.234 B - - Creep Factor: 2.0 Max TC CSI: 0.576 Max BC CSI: 0.879 Max Web CSI: 0.871 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T 1378 -/- /- /362 /185 /100 M 1658 -/- /- /336 /238 -/- Wind reactions based on MWFRS T Brg Wid = 3.5 Min Req = 1.5 M Brg Wid = 3.5 Min Req = 1.5 Bearings T & 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.
				A - B 146 -445 G - I 782 -2102 C - D 645 -1814 I - J 1248 -3390 D - F 663 -1864 J - K 868 -2264 F - G 679 -1915

Lumber

Top chord: 2x4 SP #2; T3 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.128"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.

Special Loads

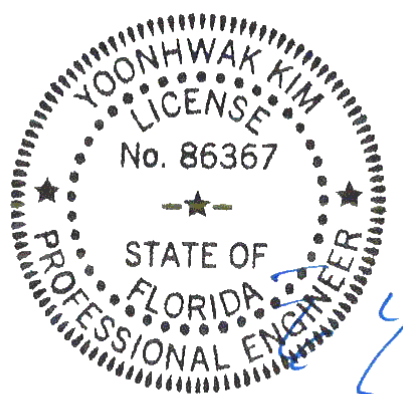
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 19.67
BC: From 10 plf at 0.00 to 10 plf at 19.67
TC: 811 lb Conc. Load at 13.23

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
9'-7-14".



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
R - Q	2052 -766	O - N	2420 -927
Q - P	3485 -1281	N - M	1308 -535
P - O	3485 -1281		

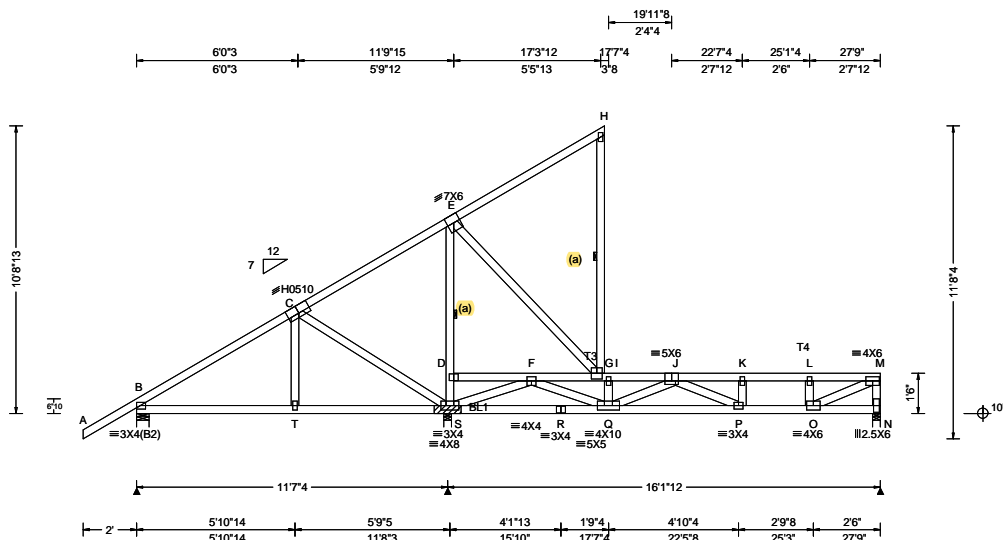
Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - T	198 -663	Q - I	571 -1585
A - S	477 -140	I - O	138 -406
S - C	181 -488	O - J	1116 -370
C - R	1830 -644	J - N	252 -665
R - D	147 -415	N - K	1153 -402
E - G	284 -515	K - M	616 -1505
F - Q	422 -136		

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

SEQN: 536291 FROM: RFG	COMN Ply: 1 Qty: 6	Job Number: 22-8616B Terrell Truss Label: FT7	Cust: R 215 JRef: 1XMB2150006 T11 DrwNo: 016.23.0757.51523 KD / YK 01/16/2023
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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: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.06 ft TCDL: 4.2 psf BCDL: 3.0 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: 1.33	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/def L/# VERT(LL): 0.138 K 999 480 VERT(CL): 0.208 K 925 360 HORZ(LL): 0.066 H - - HORZ(TL): 0.100 H - - Creep Factor: 2.0 Max TC CSI: 0.673 Max BC CSI: 0.829 Max Web CSI: 0.875 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 157 - / - / - /188 /104 /350 S 3361 - / - / - /889 /401 - / - N 662 - / - / - /162 /114 - / - Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 S Brg Wid = 3.5 Min Req = - N Brg Wid = 3.5 Min Req = 1.5 Bearings B, S, & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

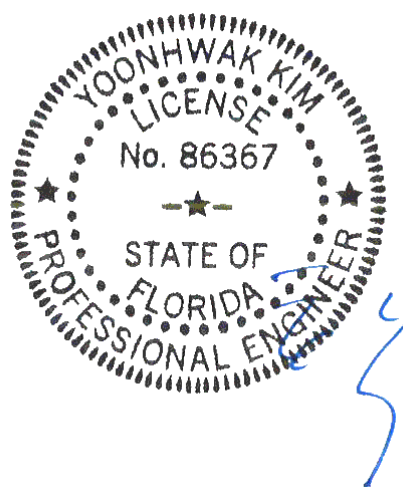
Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP M-31; T3,T4 2x4 SP #2; Bot chord: 2x4 SP #2; Webs: 2x4 SP #3;	The overall height of this truss excluding overhang is 10-8-13.	Chords Tens.Comp. Chords Tens. Comp. B - C 879 -520 I - J 58 -622 C - E 1532 -566 J - K 562 -1368 F - G 331 -1784 K - L 572 -1371 G - I 75 -622 L - M 543 -1313

Bracing	Maximum Bot Chord Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. B - T 181 -614 R - Q 174 -414 T - S 180 -615 Q - P 1468 -523 S - R 174 -414 P - O 1371 -572
Special Loads	Maximum Web Forces Per Ply (lbs)
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00) TC: From 103 plf at -2.00 to 103 plf at 27.75 BC: From 5 plf at -2.00 to 5 plf at 0.00 BC: From 10 plf at 0.00 to 10 plf at 27.75 TC: 811 lb Conc. Load at 17.60	Webs Tens.Comp. Webs Tens. Comp. C - S 215 -689 F - Q 1124 -220 D - S 730 -2622 Q - J 537 -939 D - E 726 -2605 L - O 238 -484 S - F 143 -825 O - M 1456 -601 E - G 1706 -414 M - N 314 -694

Plating Notes
All plates are 2X4 except as noted.

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.

Bearing Block(s)
Brg blocks: 0.128"x3", min. nails brg x-loc #blocks length/blk #nails/blk wall plate 2 11.458' 1 12" 4 Rigid Surface Brg block to be same size and species as chord. Refer to drawing C>NNAILSP1014 for more information.

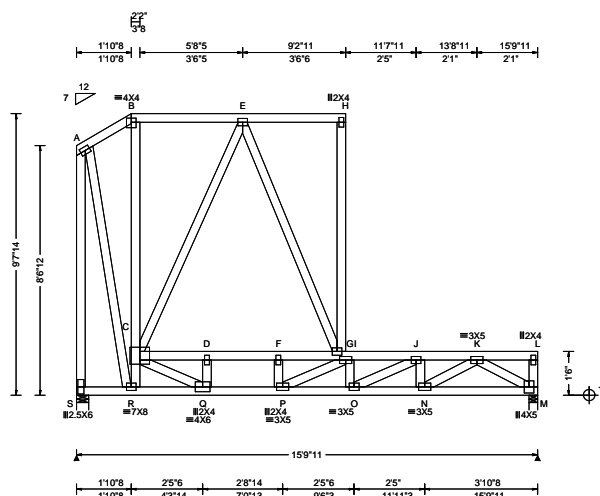


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Florida Certificate of Product Approval #FL 1999

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SEQN: 536400 FROM: RFG	COMN Ply: 2 Qty: 2	Job Number: 22-8616B Terrell Truss Label: FT7A	Cust: R 215 JRef: 1XMB2150006 T20 DrwNo: 016.23.0758.02237 KD / YK 01/16/2023
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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)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.58 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.33	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): 0.180 H 999 480 VERT(CL): 0.286 H 662 360 HORZ(LL): 0.156 B - - HORZ(TL): 0.248 B - - Creep Factor: 2.0 Max TC CSI: 0.799 Max BC CSI: 0.756 Max Web CSI: 0.735 VIEW Ver: 20.01.01A.0724.11	Gravity Loc R+ / R- / Rh / Rw / U / RL S 1225 - / - / - /263 /142 /42 M 1375 - / - / - /255 /186 - / - Wind reactions based on MWFRS S Brg Wid = 4.9 Min Req = 1.5 M Brg Wid = 3.5 Min Req = 1.5 Bearings S & 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. C - D 514 - 1419 G - I 605 - 1579 D - F 526 - 1452 I - J 1016 - 2642 F - G 538 - 1488 J - K 745 - 1822

Lumber

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

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 11.75" 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.

Special Loads

----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC: From 103 plf at 0.00 to 103 plf at 15.81
BC: From 10 plf at 0.00 to 10 plf at 15.81
TC: 811 lb Conc. Load at 9.37

Plating Notes

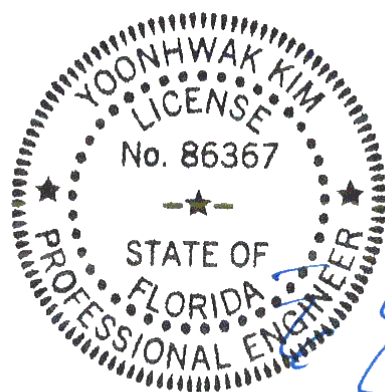
All plates are 3X4 except as noted.

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 9'-7-14".

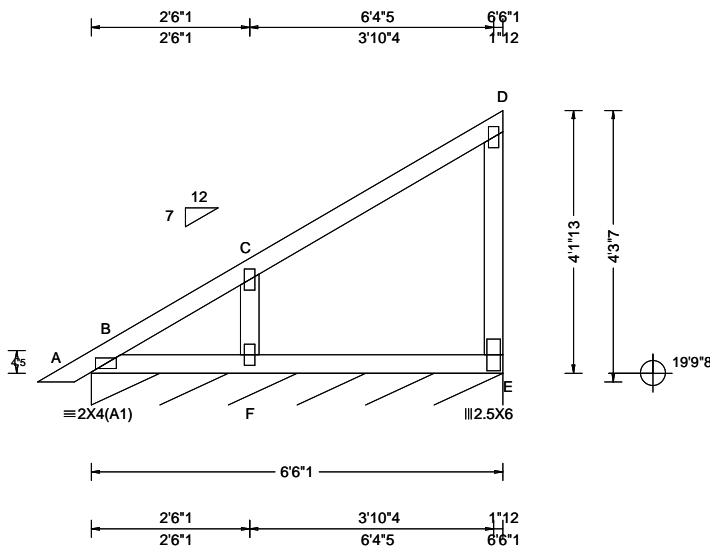


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155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 536483 FROM:	GABL Ply: 1 Qty: 26	Job Number: 22-8616B Terrell Truss Label: P1	Cust: R 215 JRef: 1XMB2150006 T3 DrwNo: 016.23.0753.01710 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 21.80 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.33	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 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): -0.003 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.333 Max BC CSI: 0.102 Max Web CSI: 0.148 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B* 71 /- /- /45 /31 /28 Wind reactions based on MWFRS B Brg Wid = 78.0 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Gable Forces Per Ply (lbs) Gables Tens.Comp. C - F 411 -219

Lumber

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

Plating Notes

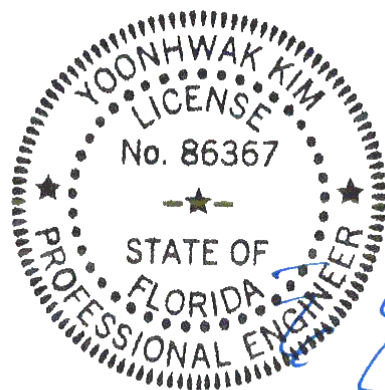
All plates are 2X4 except as noted.

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 A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 15-11-5.
REFER TO PB1400310 FOR PIGGYBACK DETAILS.



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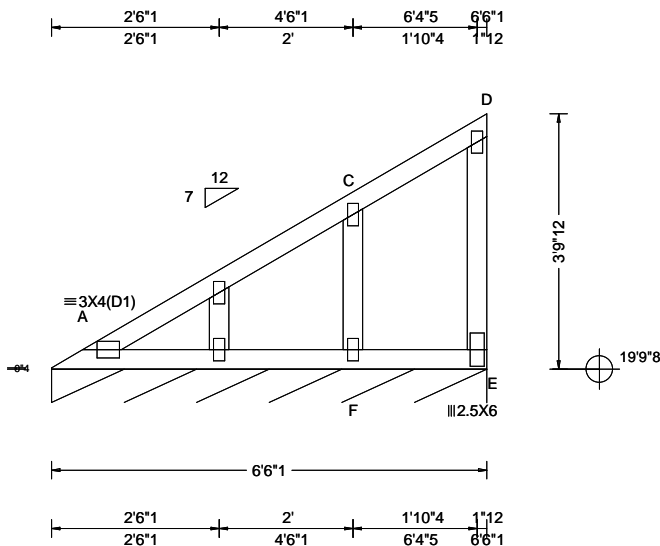
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North Building, 4th Floor
Glenview, IL 60025

SEQN: 536420 FROM:	GABL Qty: 2	Ply: 1 Terrell Truss Label: P2	Job Number: 22-8616B Cust: R 215 JRef: 1Xmb2150006 T23 DrwNo: 016.23.0755.20093 KD / YK 01/16/2023
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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: 7.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 32.00 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: 21.84 ft TCDL: 4.2 psf BCDL: 3.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCp: 0.18 Wind Duration: 1.33	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): 0.003 A 999 240 VERT(CL): 0.005 A 999 180 HORZ(LL): -0.009 D - - HORZ(TL): 0.010 D - - Creep Factor: 2.0 Max TC CSI: 0.149 Max BC CSI: 0.138 Max Web CSI: 0.164 VIEW Ver: 20.01.01A.0724.11	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A* 138 - / - / 66 / 123 / 87 Wind reactions based on MWFRS A Brg Wid = 78.0 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. A - C 98 -521 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - F 560 -94 F - E 575 -98

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

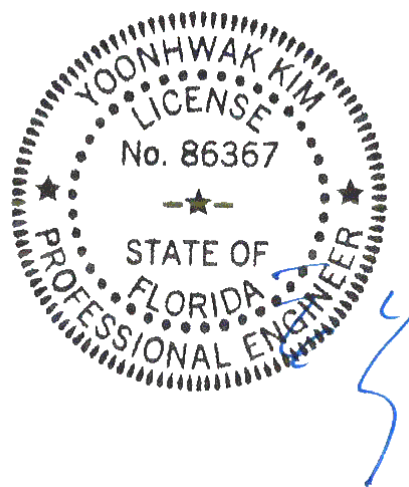
Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.
Wind loading based on both gable and hip roof types.

Additional Notes

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

The overall height of this truss excluding overhang is 15'-7-4.

REFER TO PB1400310 FOR PIGGYBACK DETAILS.



FL REG# 278, Yoonhwak Kim, FL PE #86367
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



Gable Stud Reinforcement Detail

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

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

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

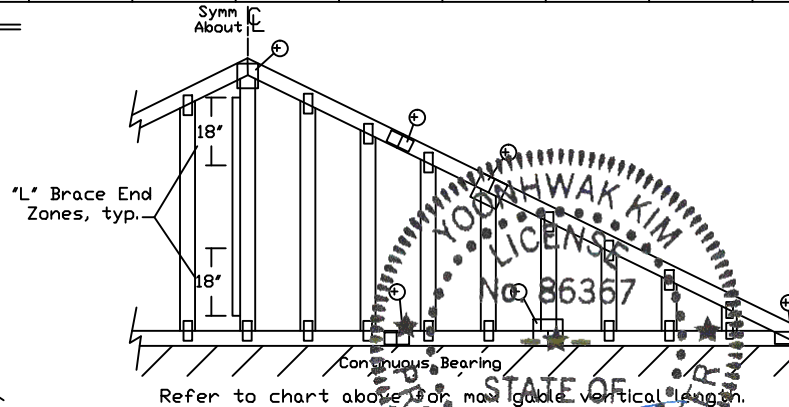
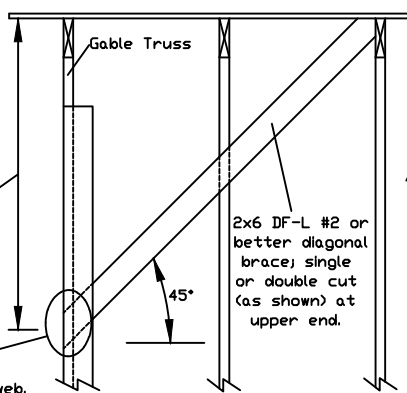
Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Bracing Group Species and Grades:

Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine***	
#3		#3	
Stud		Stud	
Standard		Standard	

Group B:			
Hem-Fir			
#1 & Btr		#1	
Douglas Fir-Larch		Southern Pine***	
#1		#1	
#2		#2	

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 100 plf over continuous bearing (5 psf TC Dead Load).

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

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

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

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

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4
+ Refer to common truss design for peak, splice, and heel plates.	

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

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 ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcacomponents.com ICC: www.iccsafe.org



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

Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

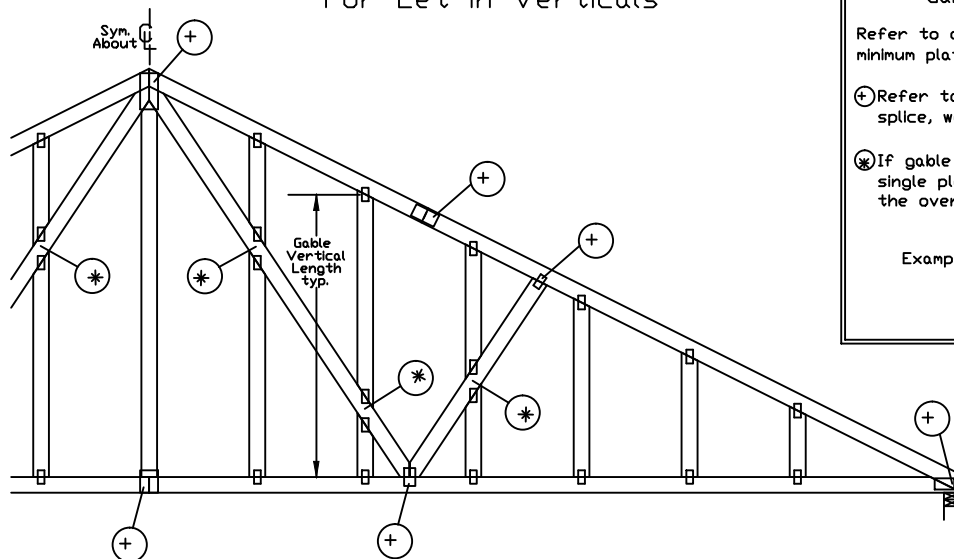
MAX. SPACING 24.0"

REF ASCE7-16-GAB14030

DATE 01/26/2018

DRWG A14030ENC160118

Gable Detail For Let-in Verticals



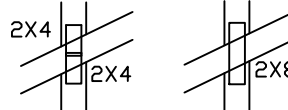
Gable Truss Plate Sizes

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

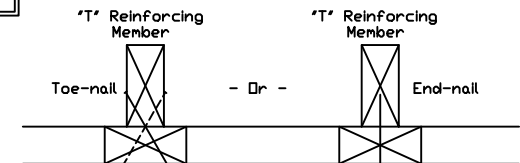
① Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



'T' Reinforcement Attachment Detail



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

Maximum allowable 'T' reinforced 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"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

10d Common (0.148"x 3", min) Nails at 4' o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x 3", min) Toenails at 4' o.c. plus
(4) toenails in the top and bottom chords.

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

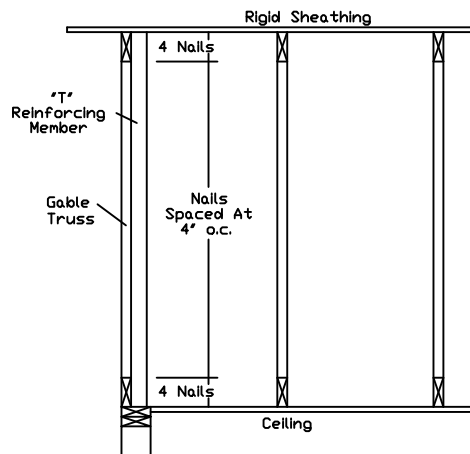
ASCE 7-05 Gable Detail Drawings

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

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,
A18015ENC100118, A20015ENC100118, A20015END100118, A20015P100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,
A18030ENC100118, A20030ENC100118, A20030END100118, A20030P100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S20015END100118, S20015P100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030P100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.



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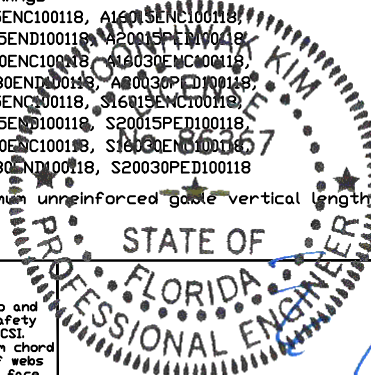
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ALPINE
AN ITW COMPANY

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



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

FL REG-278, Yoonhwak Kim, FL PE #86367

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		Brace Grade	No Braces	(1) 1x4 'L' Brace *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
	Spacing	Species			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	#1	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
			#3	4' 1"	6' 7"	7' 1"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
			Stud	4' 1"	6' 7"	7' 0"	8' 6"	8' 10"	10' 1"	10' 6"	13' 4"	13' 10"	14' 0"	14' 0"
		Standard	#1	4' 6"	5' 8"	6' 0"	7' 7"	8' 1"	10' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"
			#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	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"
	SP DFL	Stud	#1	4' 2"	6' 0"	6' 4"	7' 11"	8' 6"	10' 2"	10' 7"	12' 5"	13' 4"	14' 0"	14' 0"
			#2	4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	10' 2"	10' 7"	11' 10"	14' 0"	14' 0"	14' 0"
			Standard	4' 0"	5' 3"	5' 7"	7' 0"	7' 6"	10' 2"	10' 7"	11' 10"	14' 0"	14' 0"	14' 0"
		#1 / #2	#1	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	Standard	#1	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 9"	7' 4"	7' 9"	9' 9"	10' 3"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	Stud	#1	4' 9"	7' 4"	7' 9"	9' 9"	10' 2"	11' 8"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
			Standard	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
	SP DFL	#1 / #2	#1	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	11' 8"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 1"	9' 0"	9' 4"	10' 8"	11' 1"	12' 9"	13' 3"	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"
	SP	#1	#1	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine***	
#3		#3	
Stud		Stud	
Standard		Standard	

Group B:			
Hem-Fir			
#1 & Btr			
#1			
Douglas Fir-Larch		Southern Pine***	
#1		#1	
#2		#2	

1x4 Braces shall be SRB (Stress-Rated Board).

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

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

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

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

Gable Vertical Plate Sizes

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

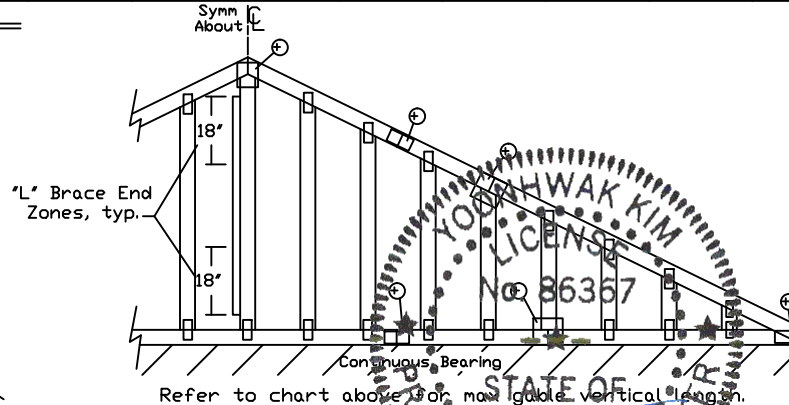
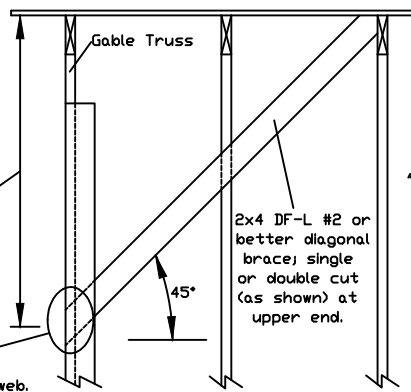
+ Refer to common truss design for peak, splice, and heel plates.

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

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

Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Refer to chart above for max gable vertical length.

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

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015ENC160118

Yoonhwak Kim, FL PE #86367

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

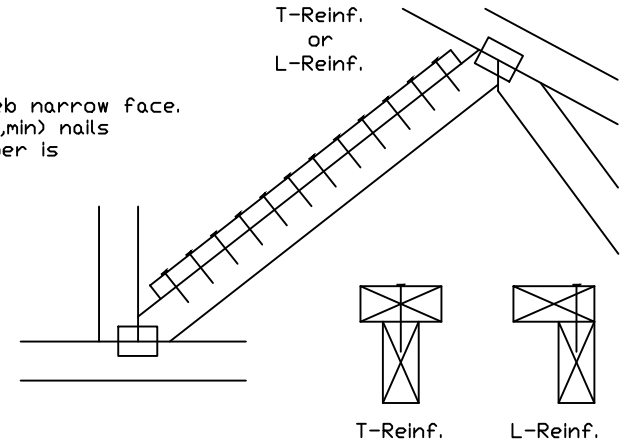
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

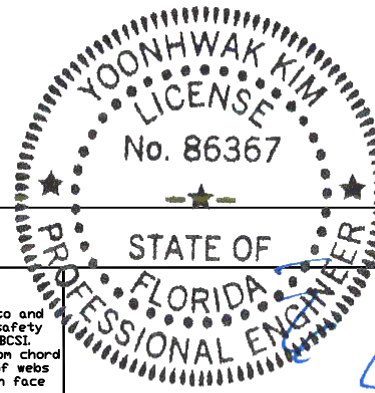
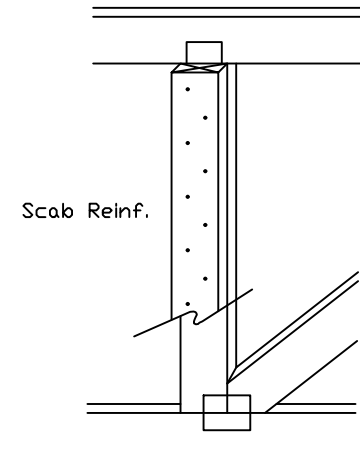
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	01/02/19
BC DL	PSF	DRWG	BRCLBSUB0119
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

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)

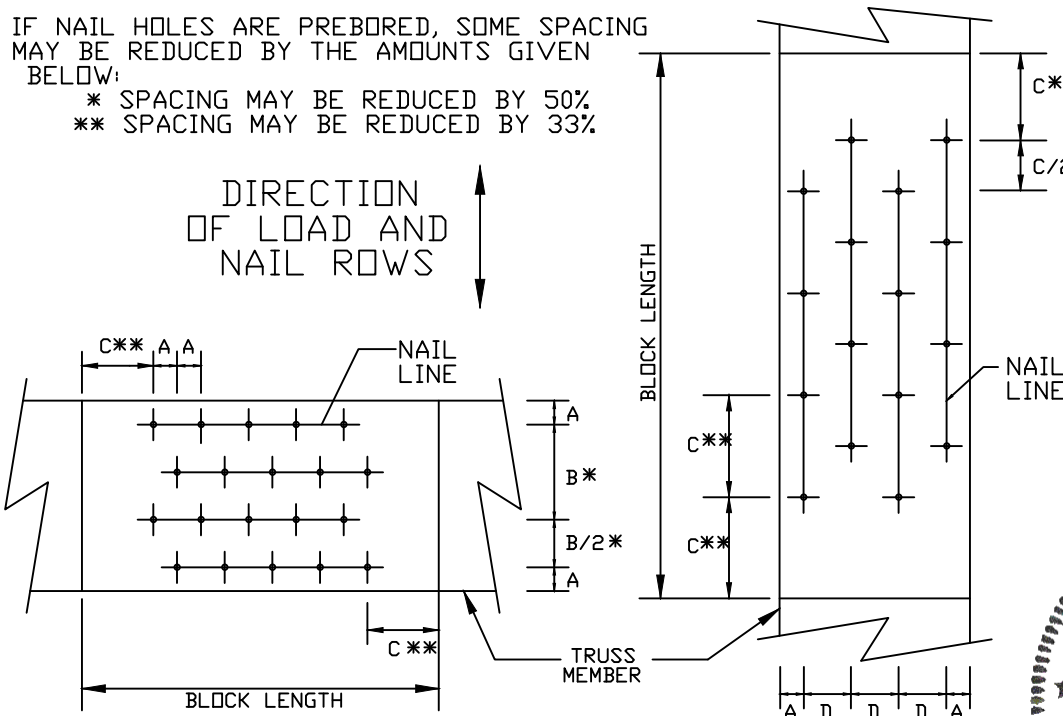
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

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:

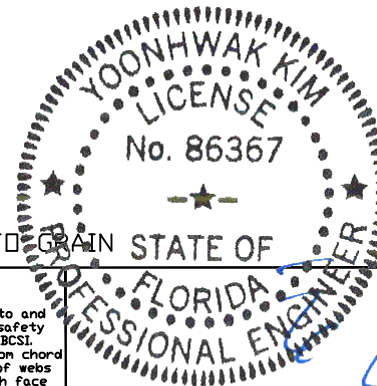
* SPACING MAY BE REDUCED BY 50%

** SPACING MAY BE REDUCED BY 33%



MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES			
	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"



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

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

REF NAIL SPACE
 DATE 10/01/14
 DRWG CNNAILSP1014

Yoonhwak Kim, FL PE #86367