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FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999  
06/07/2022

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

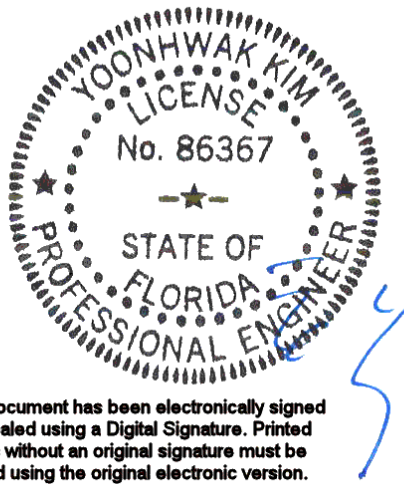


Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7841
Job Description: Lot 14 JL - Rainbolt Res	
Address: Lake City, FL	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	IntelliVIEW Version: 21.02.01 JRef #: 1XG62150001
Wind Standard: ASCE 7-16      Wind Speed (mph): 130	Design Loading (psf): 40.00, 55.00
Building Type: Closed	

This package contains general notes pages, 80 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss	Item	Drawing Number	Truss
1	157.22.1557.25557	A01	2	157.22.1557.29297	A02
3	157.22.1557.46300	A03	4	157.22.1557.51333	A04
5	157.22.1558.12340	B01	6	157.22.1558.20010	B02
7	157.22.1558.21937	B03	8	157.22.1558.52927	B04
9	157.22.1559.12247	C01	10	157.22.1559.16193	C02
11	157.22.1559.19580	C03	12	157.22.1559.58540	C04
13	157.22.1600.37583	D01	14	157.22.1600.58250	D02
15	157.22.1601.01060	D03	16	157.22.1601.29363	D04
17	157.22.1601.33747	F01	18	157.22.1601.36867	F02
19	157.22.1601.40473	F03	20	157.22.1601.43913	F04
21	157.22.1601.47320	F05	22	157.22.1601.50513	F06
23	157.22.1602.26187	F07	24	157.22.1603.19430	F08
25	157.22.1603.35120	F09	26	157.22.1604.13197	F10
27	157.22.1604.20167	F11	28	157.22.1604.52800	G01
29	157.22.1605.08727	G02	30	157.22.1605.11030	G03
31	157.22.1605.29403	G04	32	157.22.1605.33940	G05
33	157.22.1605.35880	G06	34	157.22.1606.06883	G07
35	157.22.1606.20290	HJ01	36	157.22.1607.23533	HJ02
37	157.22.1607.52390	HJ03	38	157.22.1608.01227	HJ04
39	157.22.1608.08757	HJ05	40	157.22.1608.10727	HJ06
41	157.22.1608.14897	HJ07	42	157.22.1608.23057	HJ08
43	157.22.1608.26597	HJ09	44	157.22.1608.45847	J02
45	157.22.1608.51373	J04	46	157.22.1608.57137	J05
47	157.22.1609.03763	J06	48	157.22.1609.16253	J08
49	157.22.1609.19443	J09	50	157.22.1609.22900	J10



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7841
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Item	Drawing Number	Truss
51	157.22.1609.30410	J11
53	157.22.1609.40157	J13
55	157.22.1609.46653	J15
57	157.22.1609.52570	J17
59	157.22.1610.22560	J20
61	157.22.1610.33127	J22
63	157.22.1610.55317	J24
65	157.22.1611.02033	J26
67	157.22.1611.09440	J28
69	157.22.1611.18060	J30
71	157.22.1611.29757	J32
73	157.22.1611.34853	J34
75	157.22.1611.43333	J36
77	157.22.1611.50130	J38
79	157.22.1611.55660	J40
81	A14015ENC160118	
83	STRBRIBR1014	
85	LSCSYX2A1014	

Item	Drawing Number	Truss
52	157.22.1609.33957	J12
54	157.22.1609.43767	J14
56	157.22.1609.49120	J16
58	157.22.1609.55217	J18
60	157.22.1610.25487	J21
62	157.22.1610.35620	J23
64	157.22.1610.58067	J25
66	157.22.1611.04713	J27
68	157.22.1611.11600	J29
70	157.22.1611.20193	J31
72	157.22.1611.32407	J33
74	157.22.1611.40370	J35
76	157.22.1611.46270	J37
78	157.22.1611.52443	J39
80	157.22.1611.59443	J41
82	GBLLETIN0118	
84	CNSY42PL0118	

## **General Notes**

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

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

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

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

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

### **Temporary Lateral Restraint and Bracing:**

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

### **Permanent Lateral Restraint and Bracing:**

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

### **Connector Plate Information:**

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

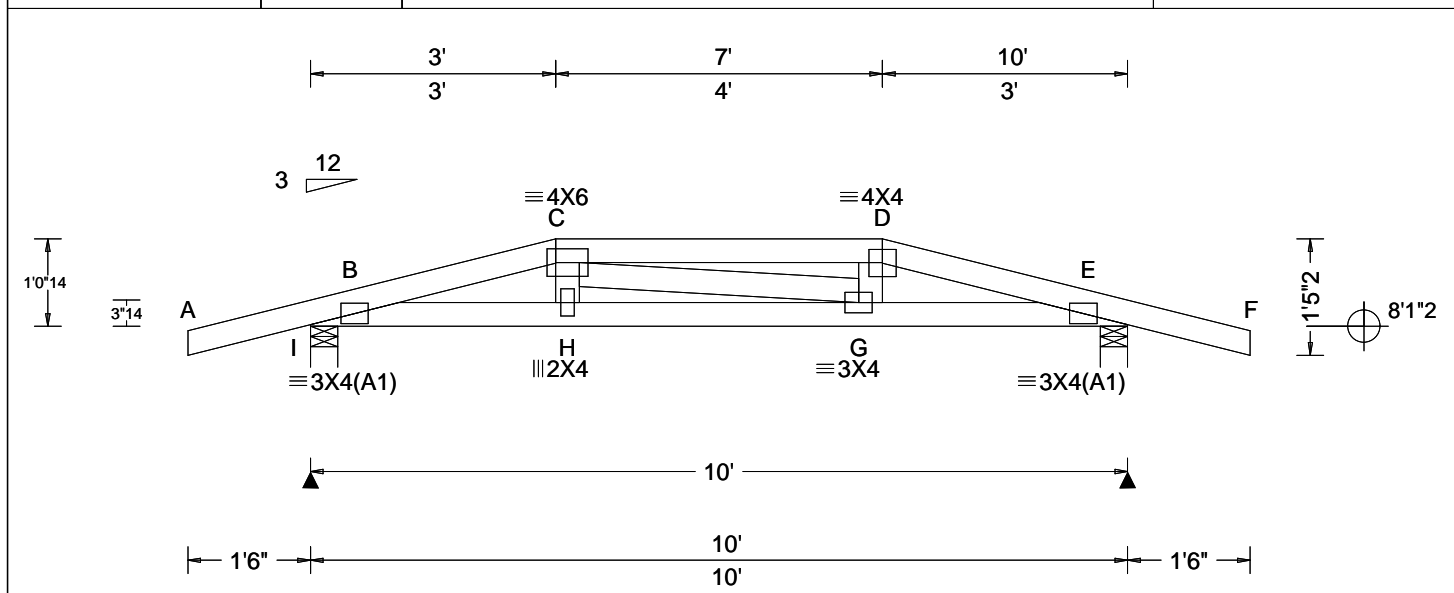
Refer to ASCE-7 for Wind and Seismic abbreviations.

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](http://www.awc.org).
2. ICC: International Code Council; [www.iccsafe.org](http://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](http://www.alpineitw.com).
4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcacomponents.com](http://www.sbcacomponents.com).

SEQN: 661074 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: A01	Cust: R 215 JRef: 1XG62150001 T57 DrwNo: 157.22.1557.25557 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.046 G 999 240 VERT(CL): 0.090 G 999 180 HORZ(LL): 0.011 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.377 Max BC CSI: 0.525 Max Web CSI: 0.048 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity I 641 - / - / - /135 - / - E 641 - / - / - /135 - / - Wind reactions based on MWFRS I Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings I & E are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 239 - 1446 D - E 244 - 1442 C - D 213 - 1419

#### Lumber

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

#### Special Loads

----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 61 plf at -1.50 to 61 plf at 3.00  
TC: From 30 plf at 3.00 to 30 plf at 7.00  
TC: From 61 plf at 7.00 to 61 plf at 11.50  
BC: From 4 plf at -1.50 to 4 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 3.03  
BC: From 10 plf at 3.03 to 10 plf at 6.97  
BC: From 20 plf at 6.97 to 20 plf at 10.00  
BC: From 4 plf at 10.00 to 4 plf at 11.50  
TC: 111 lb Conc. Load at 3.03, 6.97  
TC: 59 lb Conc. Load at 5.00  
BC: 58 lb Conc. Load at 3.03, 6.97  
BC: 46 lb Conc. Load at 5.00

#### Purlins

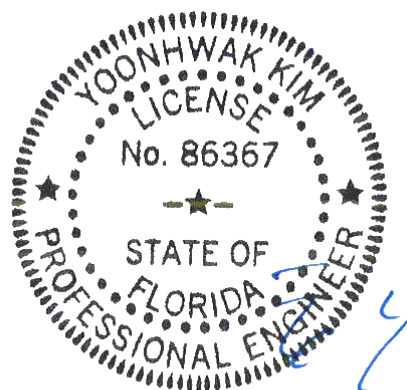
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### 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 1-0-14.

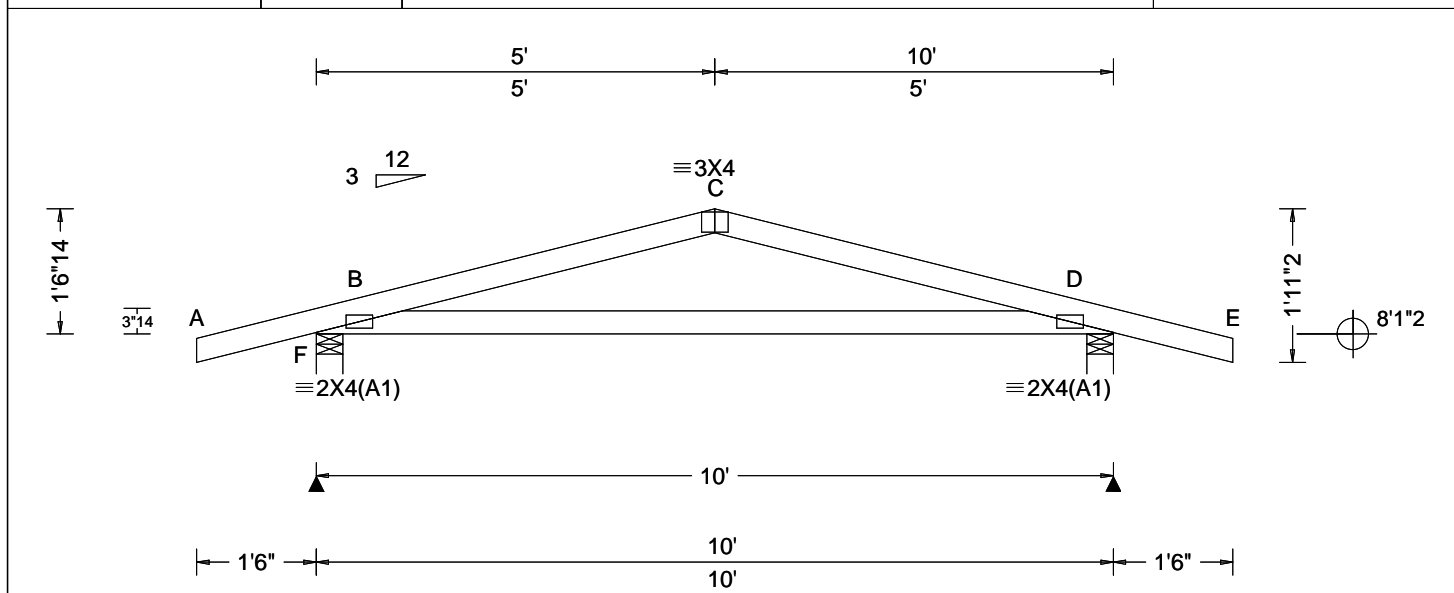


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**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
**\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer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

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

SEQN: 660990 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: A02	Cust: R 215 JRef: 1XG62150001 T56 DrwNo: 157.22.1557.29297 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.024 D 999 240 VERT(CL): 0.062 D 999 180 HORZ(LL): 0.006 B - - HORZ(TL): 0.017 B - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.578 Max Web CSI: 0.000  VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 500 -/- /- /262 /102 /24 D 500 -/- /- /262 /102 /- Wind reactions based on MWFRS F Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings F & D are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 551 -727 C - D 551 -727

#### Lumber

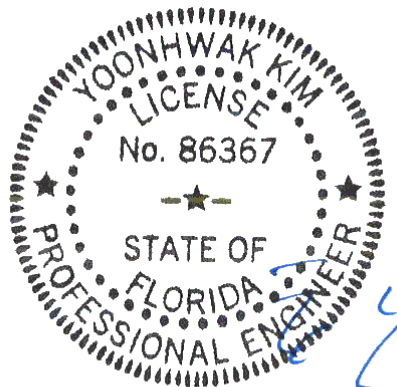
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-6-14.



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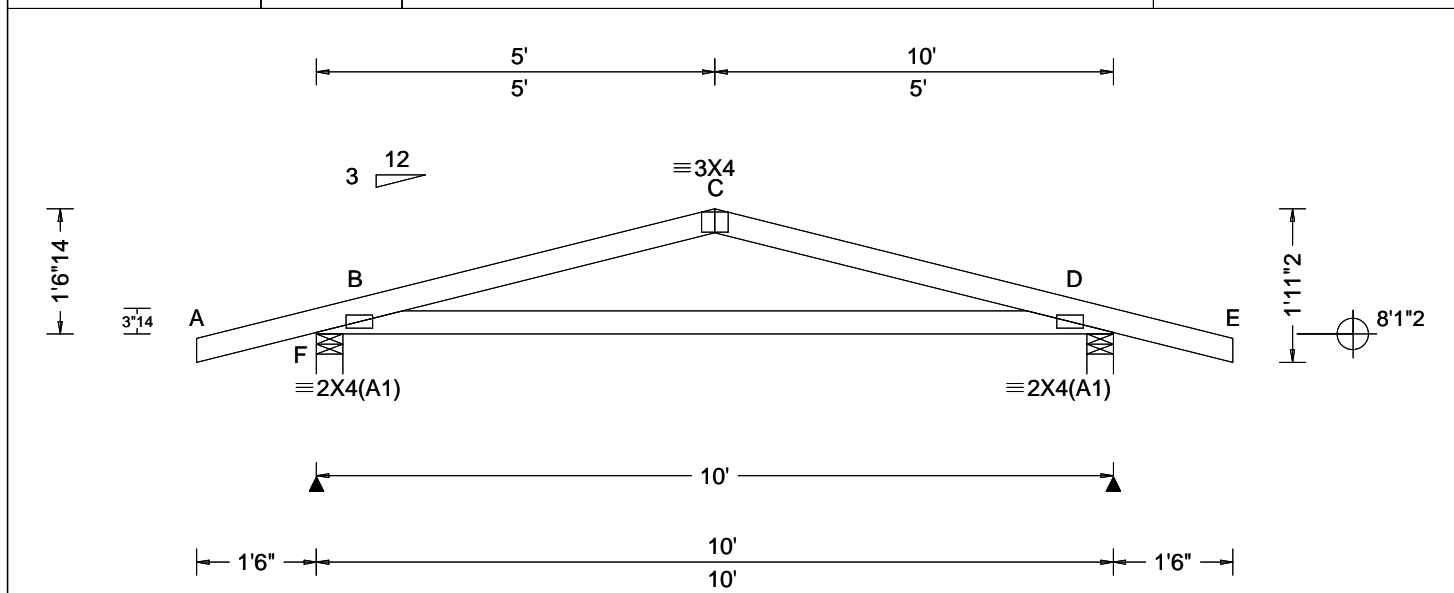
#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp.  
B - D 689 -451

**\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**  
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Glenview, IL 60025

SEQN: 660532 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: A03	Cust: R 215 JRef: 1XG62150001 T50 DrwNo: 157.22.1557.46300 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.024 D 999 240 VERT(CL): 0.062 D 999 180 HORZ(LL): 0.006 B - - HORZ(TL): 0.017 B - - Creep Factor: 2.0 Max TC CSI: 0.366 Max BC CSI: 0.578 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F 500 -/- /- /262 /102 /24 D 500 -/- /- /262 /102 /- Wind reactions based on MWFRS F Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings F & D are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 551 -727 C - D 551 -727

#### Lumber

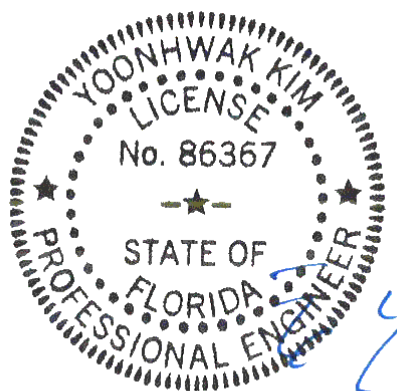
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Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-6-14".



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#### Maximum Bot Chord Forces Per Ply (lbs)

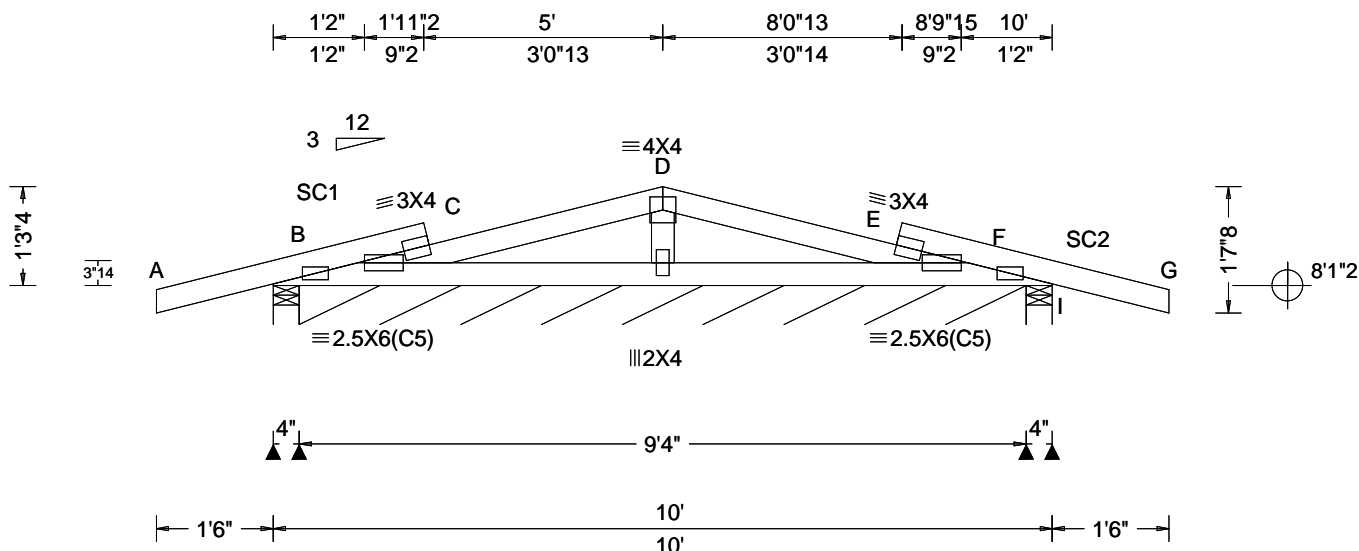
Chords Tens.Comp.  
B - D 689 -451

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



SEQN: 660534 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: A04	Cust: R 215 JRef: 1XG62150001 T48 DrwNo: 157.22.1557.51333 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.044 B 999 240 VERT(CL): 0.086 B 655 180 HORZ(LL): 0.015 B - - HORZ(TL): 0.029 B - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.304 Max Web CSI: 0.057 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 290 - / - / 165 / 94 / 24 B* 51 - / - / 31 / 4 / - I 263 - / - / 141 / 110 / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) B Brg Wid = 112 Min Req = - I Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B, B, & I are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

All plates are 2X4(C5) except as noted.

#### Loading

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

#### Wind

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

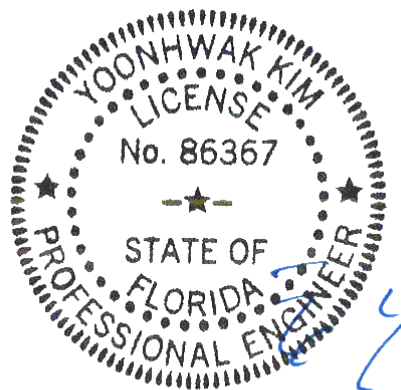
Wind loading based on both gable and hip roof types.

#### Additional Notes

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

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

The overall height of this truss excluding overhang is 1'-3-4".



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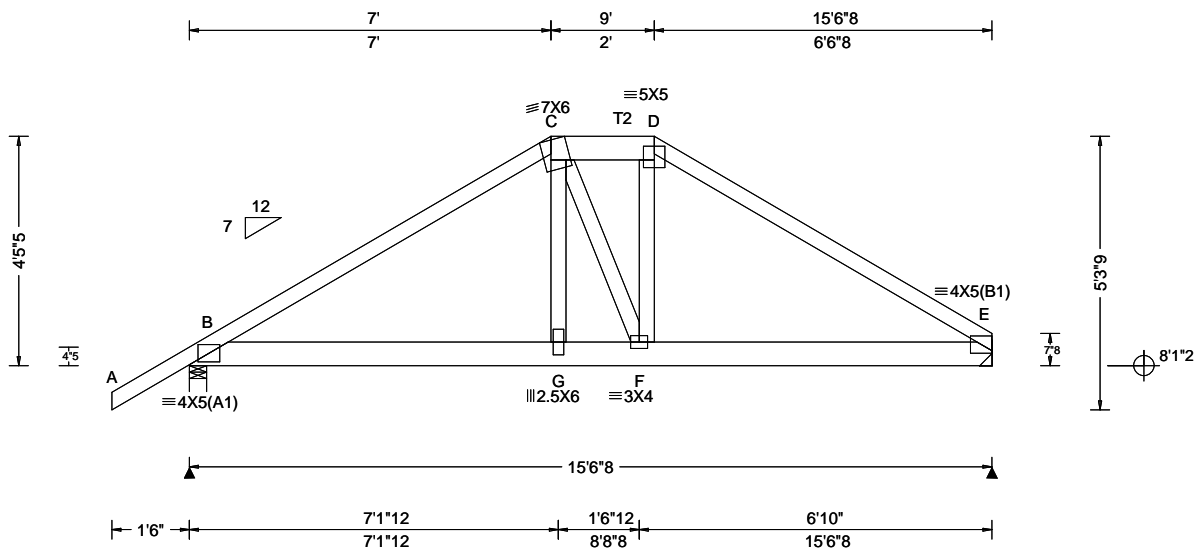
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661076 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: B01	Cust: R 215 JRRef: 1XG62150001 T73 DrwNo: 157.22.1558.12340 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.052 G 999 240 VERT(CL): 0.104 G 999 180 HORZ(LL): 0.021 E - - HORZ(TL): 0.042 E - - Creep Factor: 2.0 Max TC CSI: 0.662 Max BC CSI: 0.682 Max Web CSI: 0.246 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1605 -/- /- /- /318 -/ E 1531 -/- /- /- /286 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.9 (Truss) E Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 497 -2501 D - E 484 -2424 C - D 382 -2043

#### Lumber

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

#### Special Loads

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

TC: From 63 plf at -1.50 to 63 plf at 7.00	TC: From 32 plf at 7.00 to 32 plf at 9.00	TC: From 63 plf at 9.00 to 63 plf at 15.54
BC: From 5 plf at -1.50 to 5 plf at 0.00	BC: From 20 plf at 0.00 to 20 plf at 7.03	BC: From 10 plf at 7.03 to 10 plf at 8.97
BC: From 20 plf at 8.97 to 20 plf at 15.54	TC: 442 lb Conc. Load at 7.03	TC: 417 lb Conc. Load at 8.97
BC: 504 lb Conc. Load at 7.03	BC: 461 lb Conc. Load at 8.97	

#### Purlins

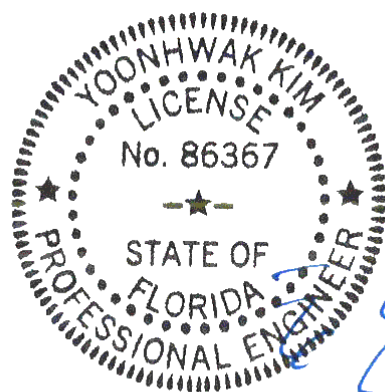
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

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

#### Additional Notes

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

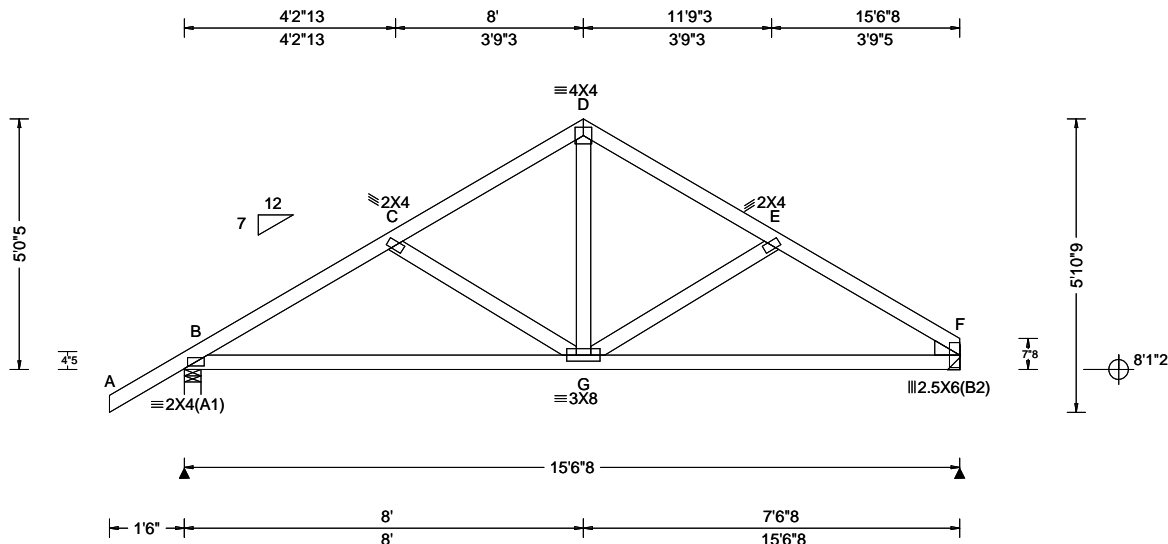


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Florida Certificate of Product Approval #FL 1999

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

SEQN: 660579 FROM: CDM	SPEC	Ply: 1 Qty: 4	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: B02	Cust: R 215 JRef: 1XG62150001 T4 DrwNo: 157.22.1558.20010 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.022 G 999 240 VERT(CL): 0.045 G 999 180 HORZ(LL): 0.012 F - - HORZ(TL): 0.024 F - - Creep Factor: 2.0 Max TC CSI: 0.231 Max BC CSI: 0.552 Max Web CSI: 0.165 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 760 - / - / - / 464 / 133 / 143 F 634 - / - / - / 364 / 102 / - Non-Gravity Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 237 -920 D - E 193 -692 C - D 192 -694 E - F 239 -903

#### Lumber

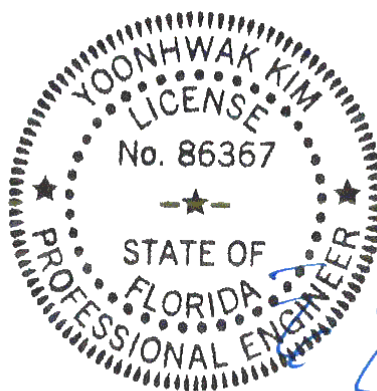
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Rt Wedge: 2x4 SP #3;

#### 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'-0.5'.

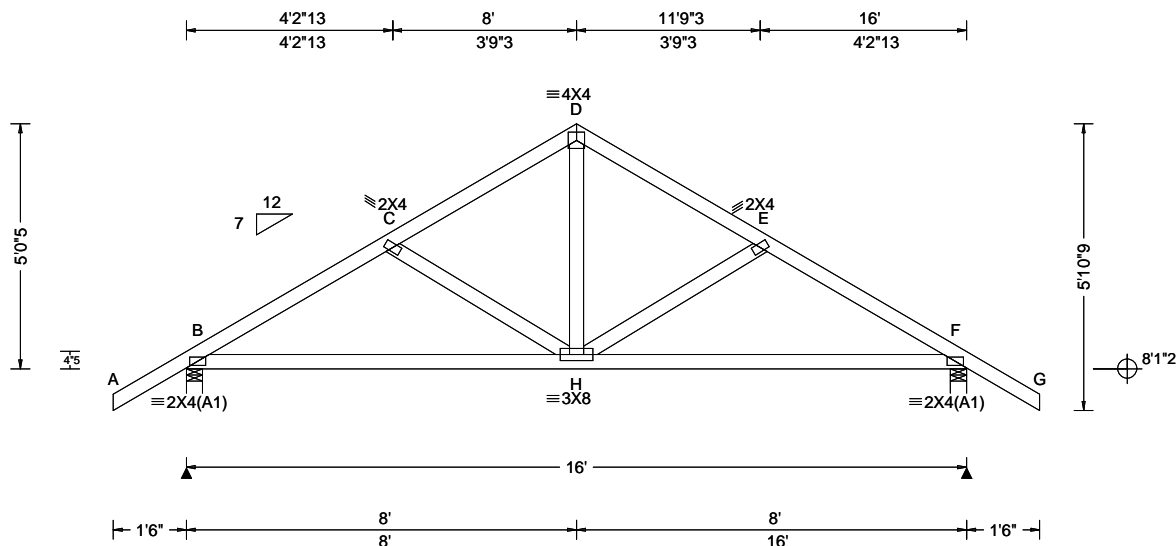


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06/07/2022  
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660581 FROM: CDM	COMN Ply: 1 Qty: 3	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: B03	Cust: R 215 JRef: 1XG62150001 T79 DrwNo: 157.22.1558.21937 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 H 999 240 VERT(CL): 0.041 H 999 180 HORZ(LL): 0.009 F - - HORZ(TL): 0.018 F - - Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.567 Max Web CSI: 0.174 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 767 -/- /- /470 /134 /164 F 767 -/- /- /470 /134 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 423 -936 D - E 348 -710 C - D 348 -710 E - F 422 -936

#### Lumber

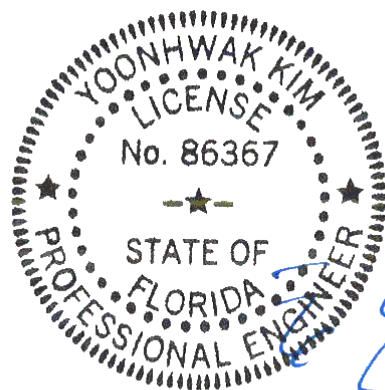
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### 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 5-0-5.

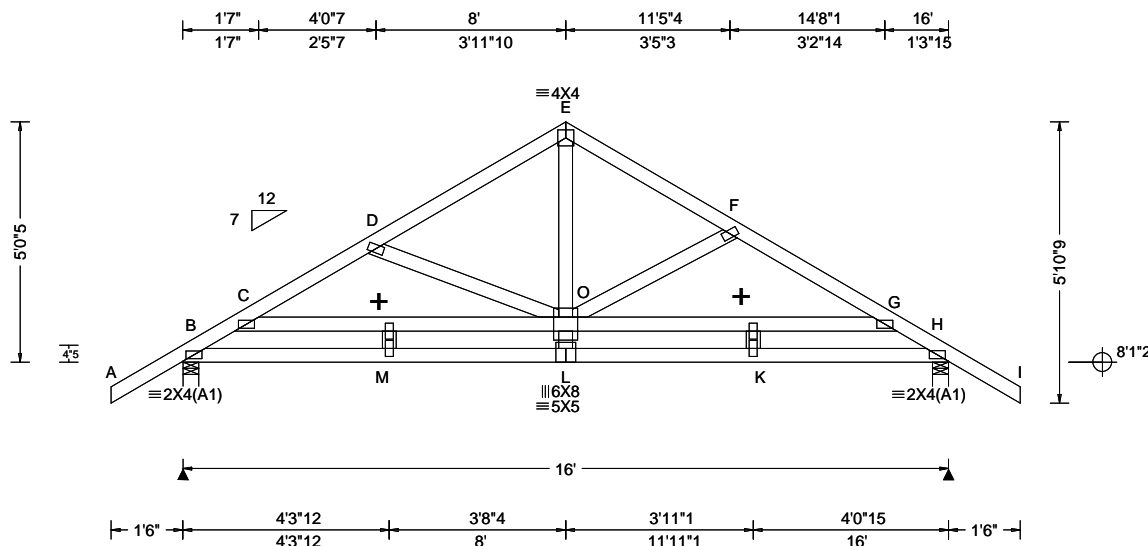


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661094 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: B04	Cust: R 215 JRef: 1XG62150001 T46 DrwNo: 157.22.1558.52927 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.029 M 999 240 VERT(CL): 0.100 M 999 180 HORZ(LL): -0.009 H - - HORZ(TL): 0.016 C - - Creep Factor: 2.0 Max TC CSI: 0.217 Max BC CSI: 0.472 Max Web CSI: 0.166 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 542 -/- /- /- /382 -/ H 552 -/- /- /- /389 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) H Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 546 -720 E - F 351 -535 C - D 498 -644 F - G 469 -617 D - E 350 -539 G - H 547 -722

#### Lumber

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

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.50 to 63 plf at 1.05  
TC: From 32 plf at 1.05 to 32 plf at 14.96  
TC: From 63 plf at 14.96 to 63 plf at 17.50  
BC: From 5 plf at -1.50 to 5 plf at 0.00  
BC: From 10 plf at 0.00 to 10 plf at 16.00  
BC: From 5 plf at 16.00 to 5 plf at 17.50  
TC: -16 lb Conc. Load at 1.05, 14.96  
TC: -22 lb Conc. Load at 3.09, 5.09, 7.09, 8.91  
10.91, 12.91  
BC: 8 lb Conc. Load at 1.05, 14.96  
BC: 5 lb Conc. Load at 3.09, 5.09, 7.09, 8.91  
10.91, 12.91

#### Plating Notes

All plates are 2X4 except as noted.

#### Purlins

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

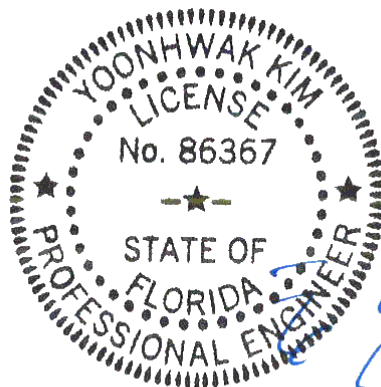
#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 5'-0.5.

+ MEMBER TO BE Laterally Braced by framing JACKS IN FRONT @ 24" oc.



#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - M	613 -439	L - K	613 -439
M - L	613 -439	K - H	613 -439

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
E - O	435 -163

FL REG# 278, Yoonhwak Kim, FL PE #86367  
16072022  
FL REG# 278, Yoonhwak Kim, FL PE #86367  
16072022

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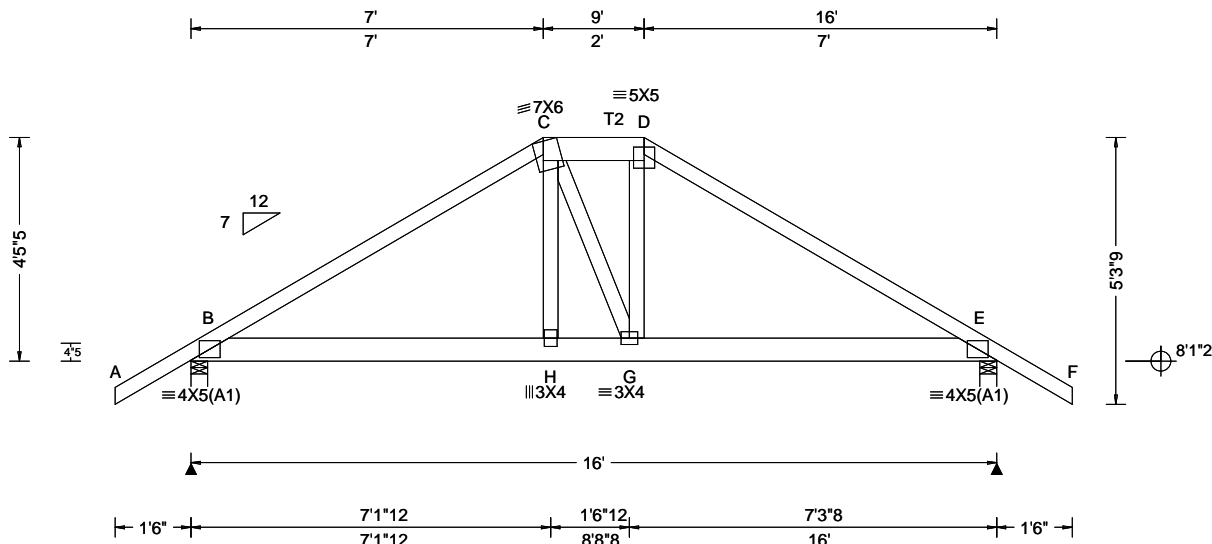
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Glenview, IL 60025



SEQN: 661070 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: C01	Cust: R 215 JRef: 1XG62150001 T5 DrwNo: 157.22.1559.12247 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.052 H 999 240 VERT(CL): 0.105 H 999 180 HORZ(LL): 0.018 E - - HORZ(TL): 0.035 E - - Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.549 Max Web CSI: 0.224 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1672 -/- /- /- /328 -/ E 1672 -/- /- /- /327 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.0 (Truss) E Brg Wid = 4.0 Min Req = 2.0 (Truss) Bearings B & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 516 -2632 D - E 517 -2632 C - D 411 -2236

#### Lumber

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

#### Special Loads

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

TC: From 63 plf at -1.50 to 63 plf at 7.00	TC: From 32 plf at 7.00 to 32 plf at 9.00
TC: From 63 plf at 9.00 to 63 plf at 17.50	BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 5 plf at -1.50 to 5 plf at 0.00	BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 20 plf at 7.03 to 10 plf at 8.97	BC: From 20 plf at 8.97 to 20 plf at 16.00
BC: From 20 plf at 8.97 to 20 plf at 16.00	BC: From 5 plf at 16.00 to 5 plf at 17.50
TC: 442 lb Conc. Load at 7.03, 8.97	BC: 504 lb Conc. Load at 7.03, 8.97

#### Purlins

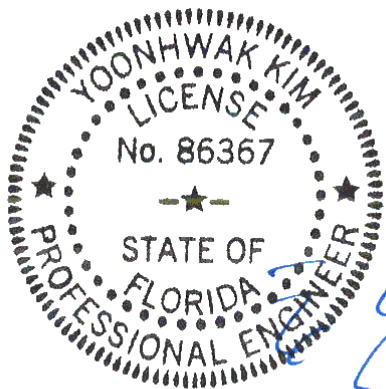
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 4'-5.5."



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[illegible]

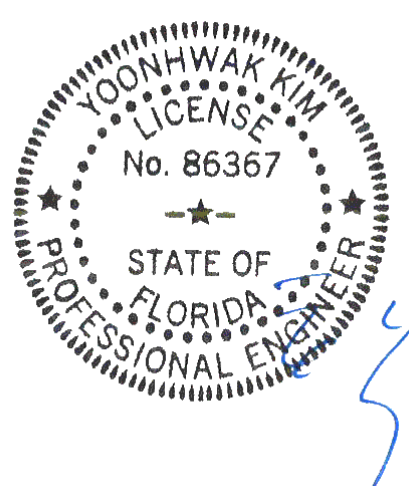
<b>Lumber</b>	C - D	181	- 710	E - F	223	- 936
Top chord: 2x4 SP #2;	<b>Maximum Bot Chord Forces Per Ply (lbs)</b>					
Bot chord: 2x4 SP #2;	Chords		Tens.Comp.		Chords    Tens. Comp.	
Webbs: 2x4 SP #3;						

Wind	B - H	756	- 87	H - F	756	- 96
Wind loads based on MWFRS with additional C&C member design.	<b>Maximum Web Forces Per Ply (lbs)</b>					
Wind loading based on both gable and hip roof types	<u>Webs      Tens.Comp.</u>					

**Additional Notes**

The overall height of this truss excluding overhang is 5'-0.5"

D - H 457 - 61




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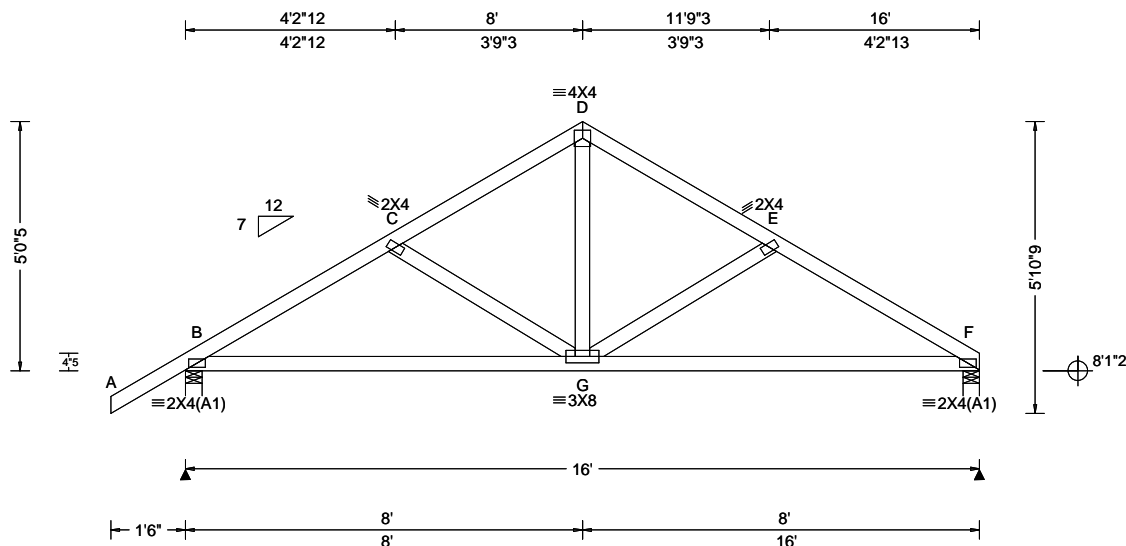
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660471 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: C03	Cust: R 215 JRef: 1XG62150001 T3 DrwNo: 157.22.1559.19580 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.020 G 999 240 VERT(CL): 0.040 G 999 180 HORZ(LL): 0.009 F - - HORZ(TL): 0.019 F - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.576 Max Web CSI: 0.177 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 773 -/- /- /470 /14 /148 F 659 -/- /- /382 /6 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings B & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 234 -948 D - E 192 -725 C - D 191 -722 E - F 240 -961

#### Lumber

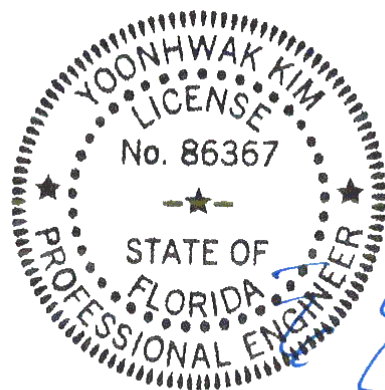
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### 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 5-0-5.



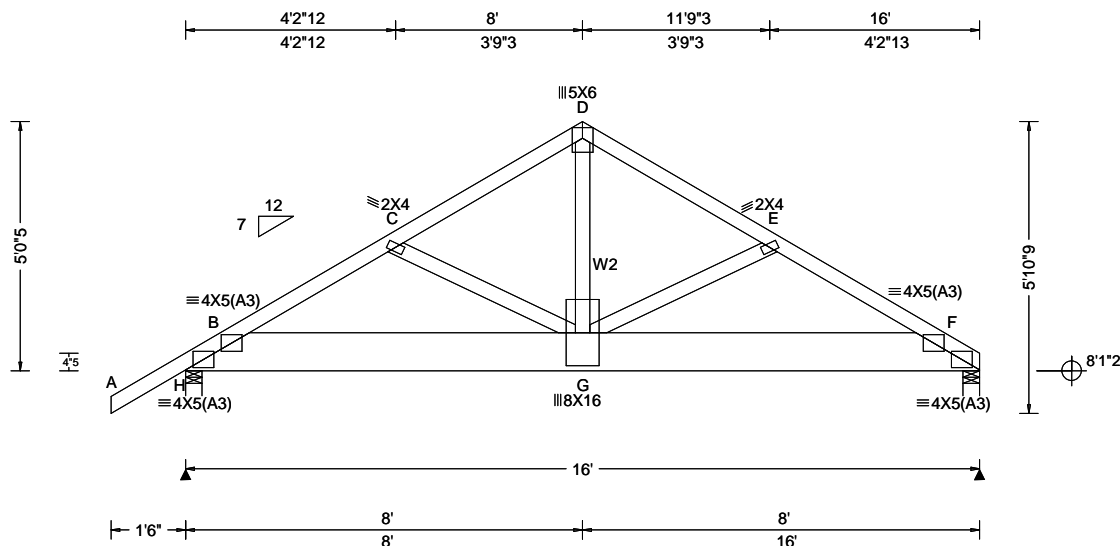
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Florida Certificate of Product Approval #FL 1999

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SEQN: 661078 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: C04	Cust: R 215 JRRef: 1XG62150001 T26 DrwNo: 157.22.1559.58540 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.108 G 999 240 VERT(CL): 0.213 G 885 180 HORZ(LL): 0.025 C - - HORZ(TL): 0.050 C - - Creep Factor: 2.0 Max TC CSI: 0.689 Max BC CSI: 0.624 Max Web CSI: 0.435  VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL H 3036 -/- /- /- /642 -/ F 3740 -/- /- /- /714 -/ Wind reactions based on MWFRS H Brg Wid = 4.0 Min Req = 2.5 (Truss) F Brg Wid = 4.0 Min Req = 3.1 (Truss) Bearings H & F are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 1057 -5047 D - E 978 -4838 C - D 978 -4833 E - F 1061 -5085

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x10 SP 2400f-2.0E;  
Webs: 2x4 SP #3; W2 2x4 SP M-31;

#### Special Loads

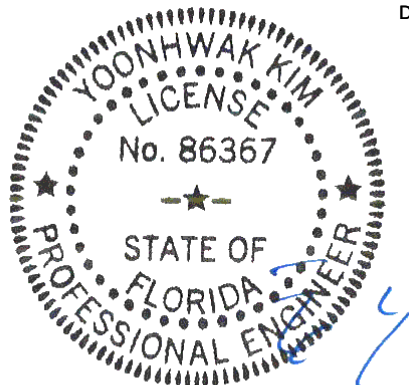
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.50 to 63 plf at 16.00  
BC: From 5 plf at -1.50 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 6.06  
BC: From 10 plf at 6.06 to 10 plf at 16.00  
BC: 1995 lb Conc. Load at 6.06  
BC: 828 lb Conc. Load at 8.06  
BC: 874 lb Conc. Load at 10.06,12.06,13.93

#### Wind

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

#### Additional Notes

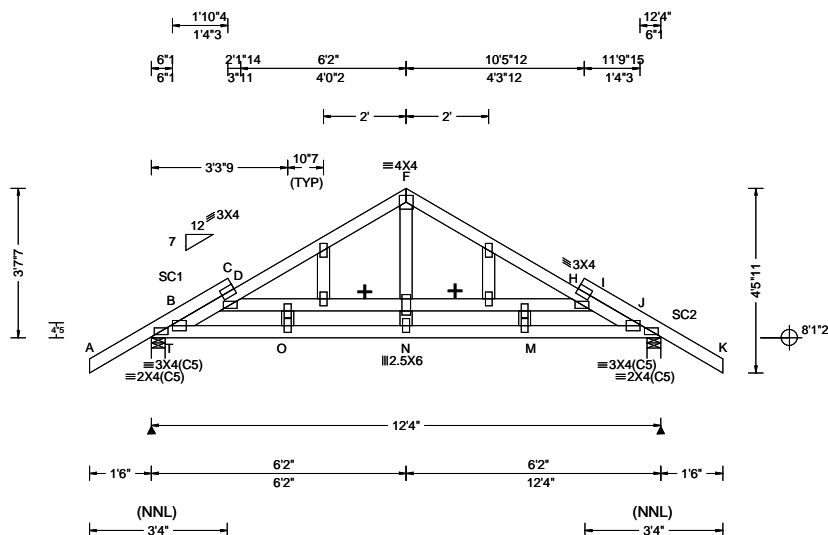
The overall height of this truss excluding overhang is 5'-0.5."



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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.023 Q 999 240 VERT(CL): 0.038 O 999 180 HORZ(LL): -0.009 E - - HORZ(TL): 0.014 E - - Creep Factor: 2.0 Max TC CSI: 0.198 Max BC CSI: 0.298 Max Web CSI: 0.069 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL T 431 -/- /- /- /338 -/ J 431 -/- /- /- /332 -/ Wind reactions based on MWFRS T Brg Wid = 4.0 Min Req = 1.5 (Truss) J Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings T & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - D 387 -558 F - H 323 -384 D - F 323 -384 H - J 384 -557

#### 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;

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.50 to 63 plf at 1.05  
TC: From 32 plf at 1.05 to 32 plf at 11.84  
TC: From 63 plf at 11.84 to 63 plf at 13.83  
BC: From 5 plf at -1.50 to 5 plf at 0.00  
BC: From 10 plf at 0.00 to 10 plf at 12.33  
BC: From 5 plf at 12.33 to 5 plf at 13.83  
TC: -16 lb Conc. Load at 1.05, 11.29  
TC: -22 lb Conc. Load at 3.09, 5.09, 6.17, 7.25  
9.25  
BC: 8 lb Conc. Load at 1.05, 11.29  
BC: 5 lb Conc. Load at 3.09, 5.09, 6.17, 7.25  
9.25

#### Plating Notes

All plates are 2X4 except as noted.

#### Loading

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

#### Purlins

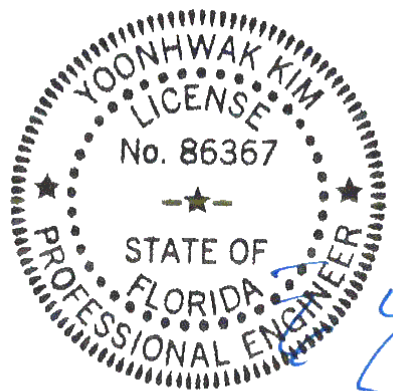
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

Wind loads and reactions based on MWFRS.  
Wind loading based on both gable and hip roof types.  
+ MEMBER TO BE Laterally Braced by framing JACKS IN FRONT @ 24" oc.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - O	563 -450	N - M	561 -450
O - N	561 -450	M - J	563 -450



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Glenview, IL 60025

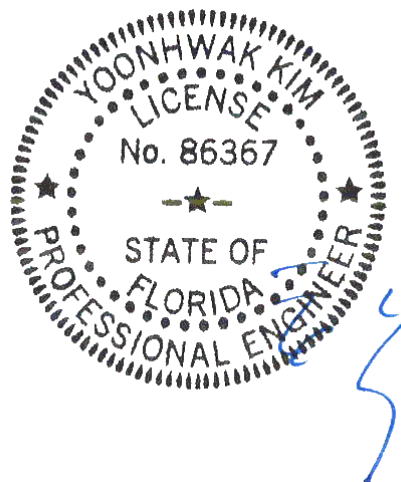
SEQN: 661096	GABL	Ply: 1	Job Number: 22-7841	Cust: R 215 JRef: 1XG62150001 T18
FROM: CDM		Qty: 1	Lot 14 JL - Rainbolt Res	DrwNo: 157.22.1600.37583
Page 2 of 2			Truss Label: D01	GA / YK 06/06/2022

#### 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 noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.

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



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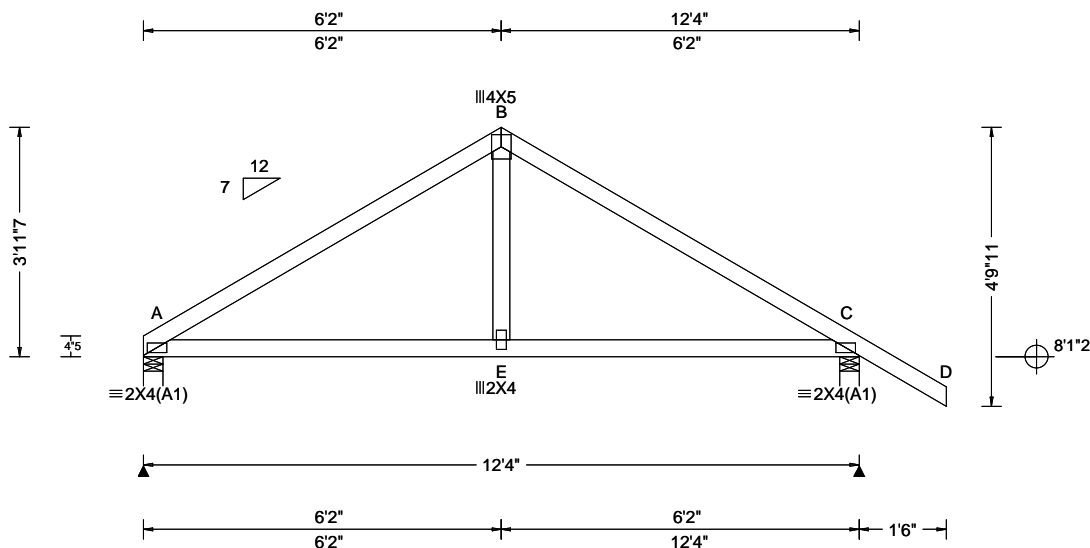
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbccomponents.com](http://sbccomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



SEQN: 660435	COMN	Ply: 1	Job Number: 22-7841	Cust: R 215 JRef: 1XG62150001 T1
FROM: CDM		Qty: 1	Lot 14 JL - Rainbolt Res	DrwNo: 157.22.1600.58250
			Truss Label: D02	GA / YK 06/06/2022

## Lumber

SEQN: 660437 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: D03	Cust: R 215 JRef: 1XG62150001 T21 DrwNo: 157.22.1601.01060 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.007 A 999 240 VERT(CL): 0.014 A 999 180 HORZ(LL): 0.005 A - - HORZ(TL): 0.011 A - - Creep Factor: 2.0 Max TC CSI: 0.382 Max BC CSI: 0.372 Max Web CSI: 0.105 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 505 - / - / 295 / 80 / 120 C 622 - / - / 384 / 111 / - Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) C Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 206 -636 B - C 209 -640

#### Lumber

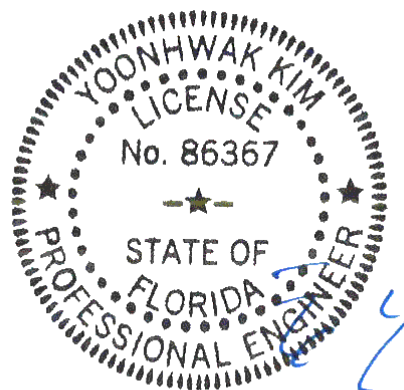
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### 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 3-11-7.

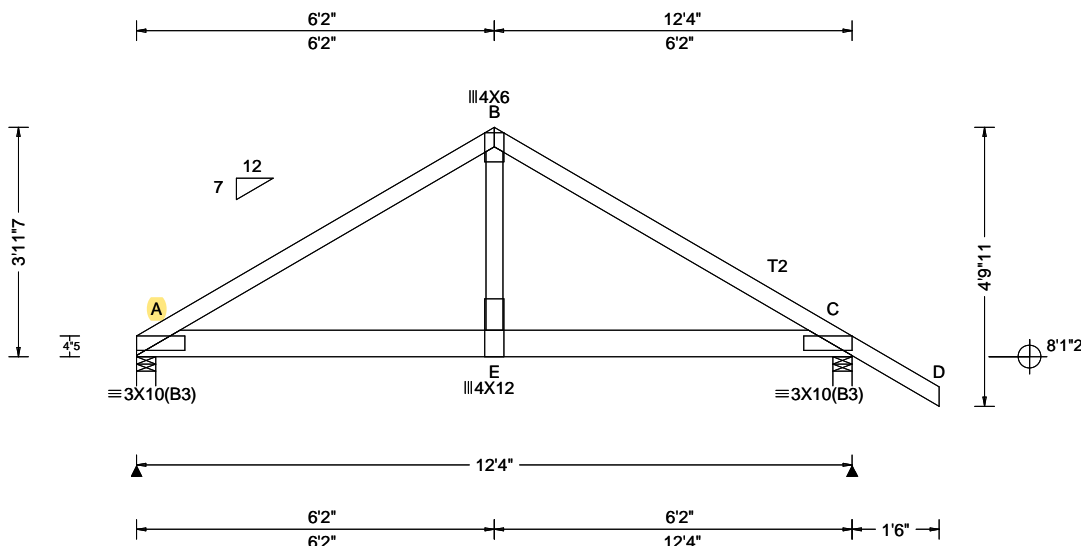


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AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661082 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: D04	Cust: R 215 JRef: 1XG62150001 T30 DrwNo: 157.22.1601.29363 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.054 E 999 240 VERT(CL): 0.107 E 999 180 HORZ(LL): 0.019 A - - HORZ(TL): 0.038 A - - Creep Factor: 2.0 Max TC CSI: 0.520 Max BC CSI: 0.800 Max Web CSI: 0.702 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 2676 -/- /- /528 -/ C 2045 -/- /- /441 -/ Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 2.2 (Truss) C Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 758 -3550 B - C 762 -3576

#### Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;  
Bot chord: 2x6 SP 2400f-2.0E;  
Webs: 2x4 SP #2;

#### Special Loads

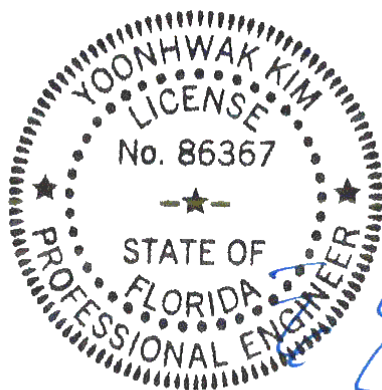
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at 0.00 to 63 plf at 13.83  
BC: From 20 plf at 0.00 to 20 plf at 2.27  
BC: From 10 plf at 2.27 to 10 plf at 6.27  
BC: From 20 plf at 6.27 to 20 plf at 12.33  
BC: From 5 plf at 12.33 to 5 plf at 13.83  
BC: 826 lb Conc. Load at 2.27, 4.27  
BC: 1981 lb Conc. Load at 6.27

#### 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 3-11-7.



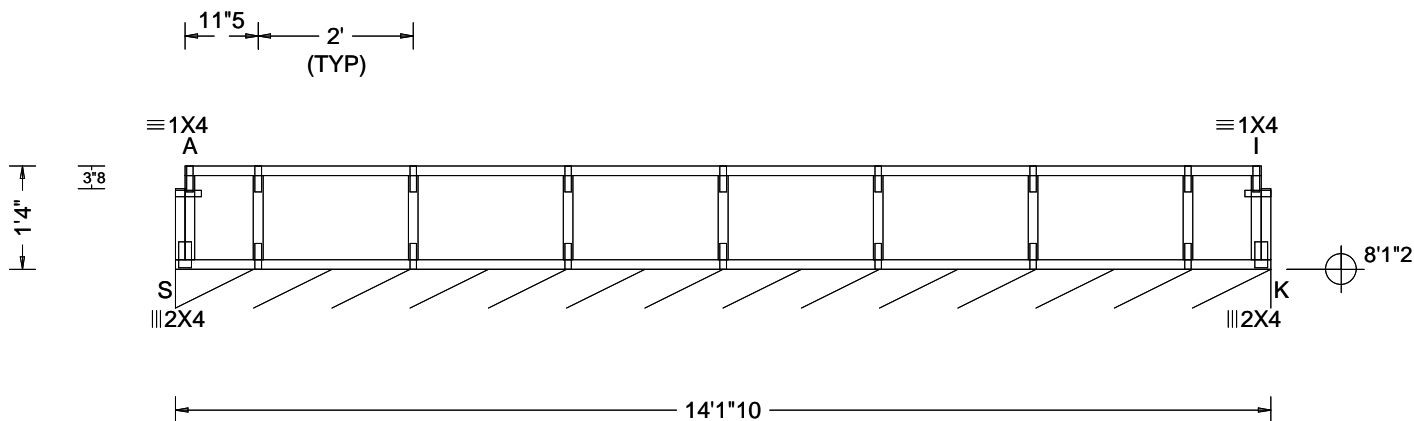
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AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 660598 FROM: CDM	SY42 Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F01	Cust: R 215 JRef: 1XG62150001 T89 DrwNo: 157.22.1601.33747 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 C 999 480 VERT(CL): 0.000 C 999 360 HORZ(LL): 0.000 I - - HORZ(TL): 0.000 I - - Creep Factor: 2.0 Max TC CSI: 0.179 Max BC CSI: 0.043 Max Web CSI: 0.047  VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL K* 108 /- /- /- /- /- K Brg Wid = 169 Min Req = - Bearing S is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

#### Plating Notes

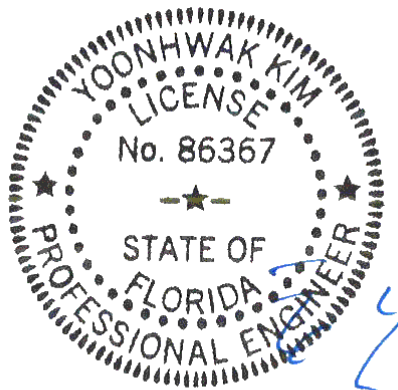
All plates are 1X4 except as noted.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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



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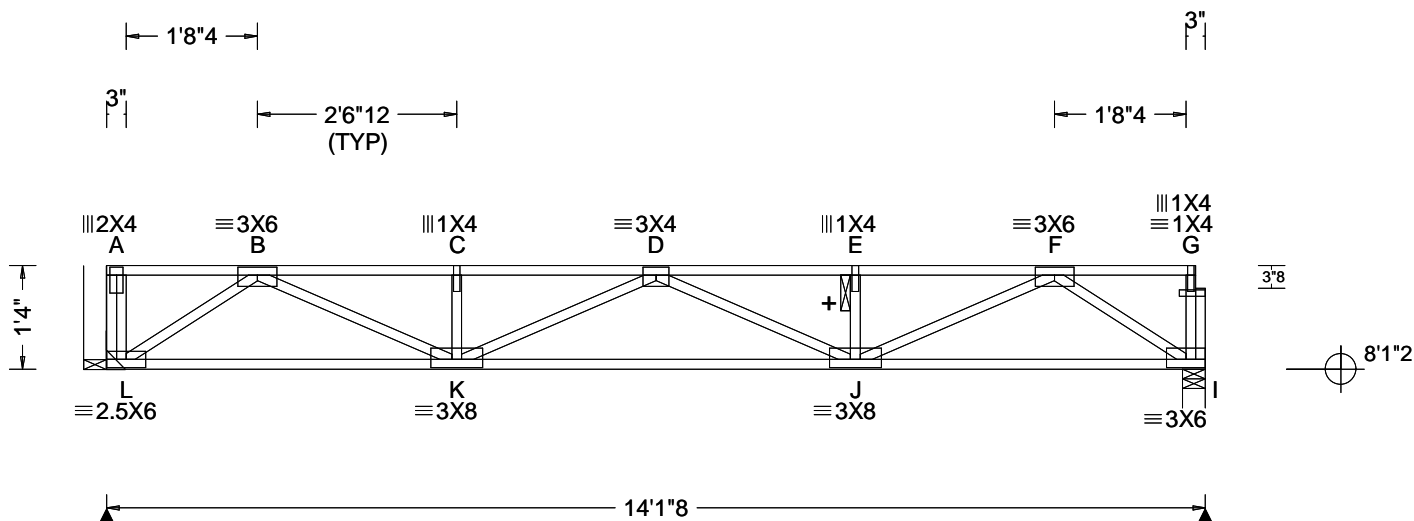
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AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660596 FROM: CDM	SY42 Qty: 6	Ply: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F02	Cust: R 215 JRef: 1XG62150001 T87 DrwNo: 157.22.1601.36867 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 40.00 TCCL: 10.00 BCCL: 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 TCCL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.151 D 999 480 VERT(CL): 0.208 D 788 360 HORZ(LL): 0.023 B - - HORZ(TL): 0.032 B - - Creep Factor: 2.0 Max TC CSI: 0.301 Max BC CSI: 0.681 Max Web CSI: 0.488 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL L 781 - / - / - / - / - I 761 - / - / - / - / - L Brg Wid = - Min Req = - I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing I is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 0 - 1873 D - E 0 - 1888 C - D 0 - 1873 E - F 0 - 1888

#### Lumber

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

#### Hangers / Ties

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

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

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

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

Bearing L (0', 8'1"2) THA422

- Supporting Member: (2)4x2 SP #2  
(2) 0.162"x3.5" nails into supporting member,  
(4) 0.148"x1.5" nails in flange and  
(6) 0.162"x3.5" nails into supported member.

#### Additional Notes

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

Truss must be installed as shown with top chord up.

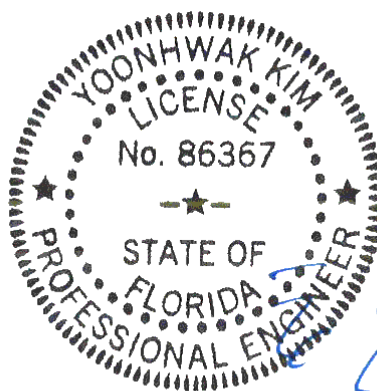
The overall height of this truss excluding overhang is 1-4-0.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	945	J - I	976
K - J	2155		0

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	0 - 1166	J - F	1008
B - K	1025	F - I	0 - 1187



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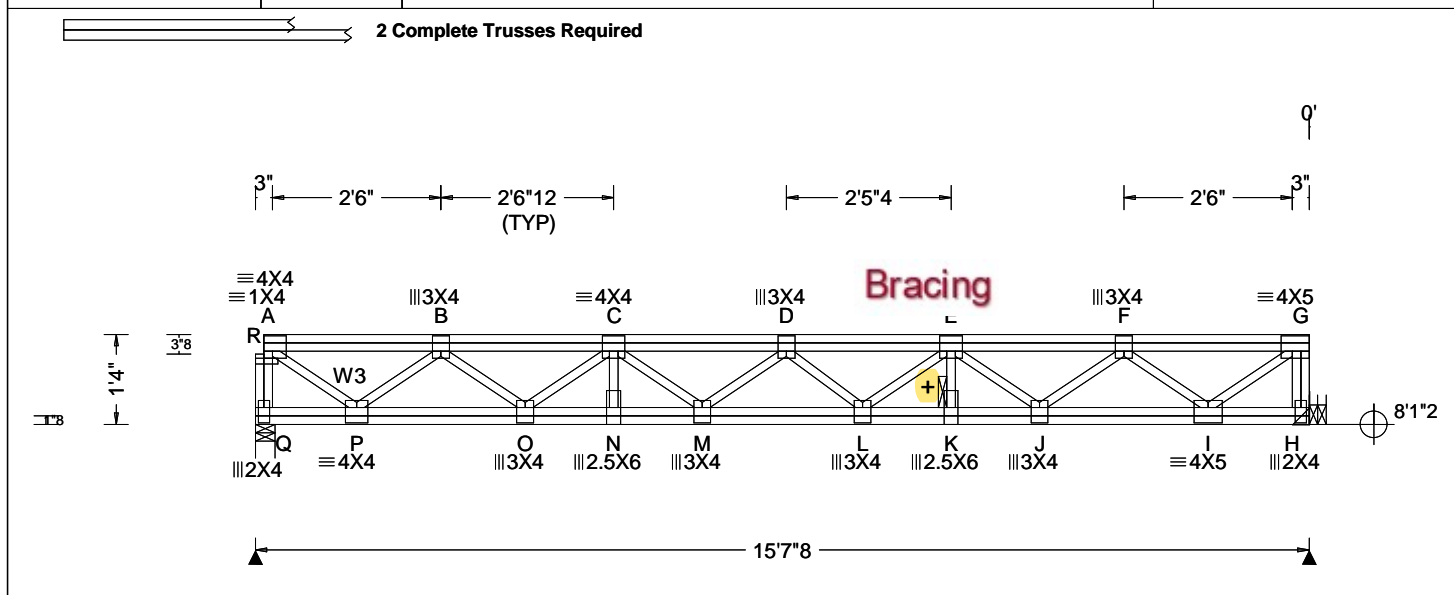
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 660658 FROM: CDM	SY42 Ply: 2 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F03	Cust: R 215 JRRef: 1XG62150001 T86 DrwNo: 157.22.1601.40473 GA / YK 06/06/2022
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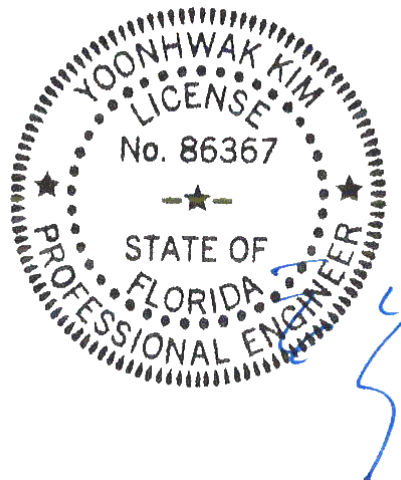


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.070 D 999 480 VERT(CL): 0.096 D 999 360 HORZ(LL): 0.010 H - - HORZ(TL): 0.014 H - - Creep Factor: 2.0 Max TC CSI: 0.109 Max BC CSI: 0.214 Max Web CSI: 0.289 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL Q 863 -/- /- /- /- /- H 856 -/- /- /- /- /- Q Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = - Min Req = - Bearing Q is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -439 D - E 0 -1436 B - C 0 -1098 E - F 0 -1106 C - D 0 -1429 F - G 0 -466

**Lumber**  
Top chord: 4x2 SP #2;  
Bot chord: 4x2 SP #2;  
Webs: 4x2 SP #3; W3 4x2 SP #2;

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

**Additional Notes**  
See DWG CNSY42PL0118 for connection details of 2 ply trusses.  
+ 2x6 continuous strongback. See detail STRBRIBR1014 for bracing and bridging recommendations.  
Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1'-4"-0.



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**Maximum Bot Chord Forces Per Ply (lbs)**

Chords	Tens.Comp.	Chords	Tens. Comp.
P - O	851 0	L - K	1344 0
O - N	1337 0	K - J	1344 0
N - M	1337 0	J - I	864 0
M - L	1501 0		

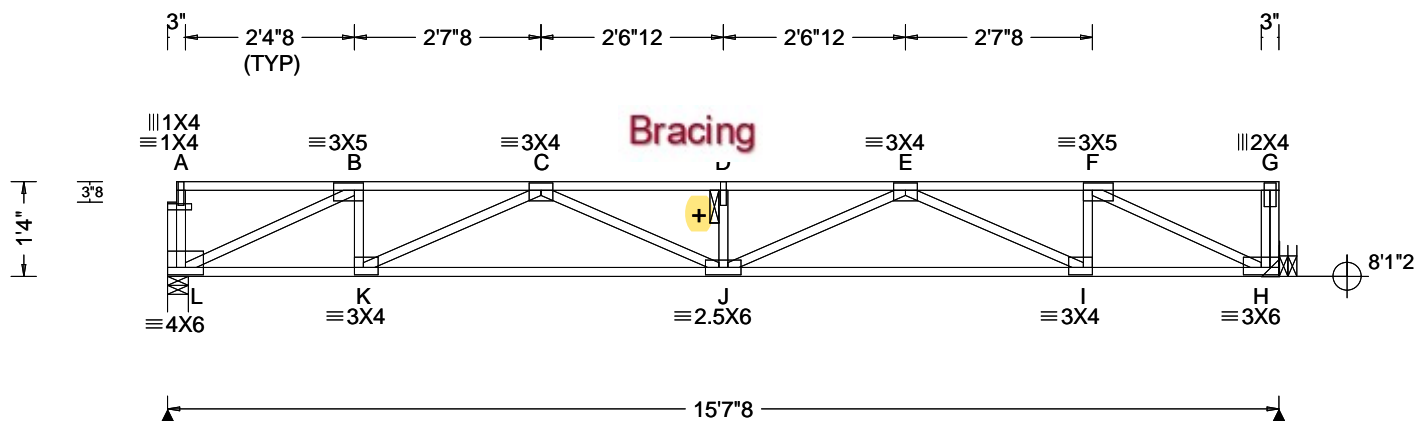
**Maximum Web Forces Per Ply (lbs)**

Webs	Tens.Comp.	Webs	Tens. Comp.
R - Q	0 -425	F - I	0 -526
A - R	0 -415	I - G	607 0
A - P	570 0	G - H	0 -500
P - B	0 -545		

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

SEQN: 660686 FROM: CDM	SY42 Qty: 2	Ply: 1 Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F04	Cust: R 215 JRef: 1XG62150001 T81 DrwNo: 157.22.1601.43913 GA / YK 06/06/2022
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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: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.225 D 808 480 VERT(CL): 0.310 D 587 360 HORZ(LL): 0.037 H - - HORZ(TL): 0.051 H - - Creep Factor: 2.0 Max TC CSI: 0.412 Max BC CSI: 0.748 Max Web CSI: 0.443 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL L 843 -/- /- /- /- /- H 863 -/- /- /- /- /- L Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = - Min Req = - Bearing L is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 0 -1513 D - E 0 -2671 C - D 0 -2671 E - F 0 -1482

#### Lumber

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

#### Hangers / Ties

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

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

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

Bearing at location x=15'4"8" uses the following support conditions: 15'4"8"

Bearing H (15'4"8, 8'1"2) HHUS46

Supporting Member: (2)2x6 SP #2  
(14) 0.148"x3" nails into supporting member,  
(6) 0.148"x3" nails into supported member.

#### Additional Notes

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

Truss must be installed as shown with top chord up.

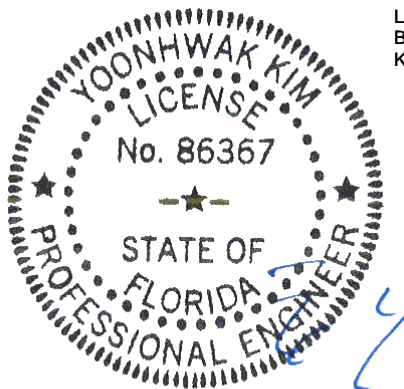
The overall height of this truss excluding overhang is 1-4-0.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	1467	J - I	2339
K - J	2354	I - H	1435

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	0 -1638	E - I	0 -951
B - K	449	I - F	456
K - C	0 -933	F - H	0 -1613



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

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

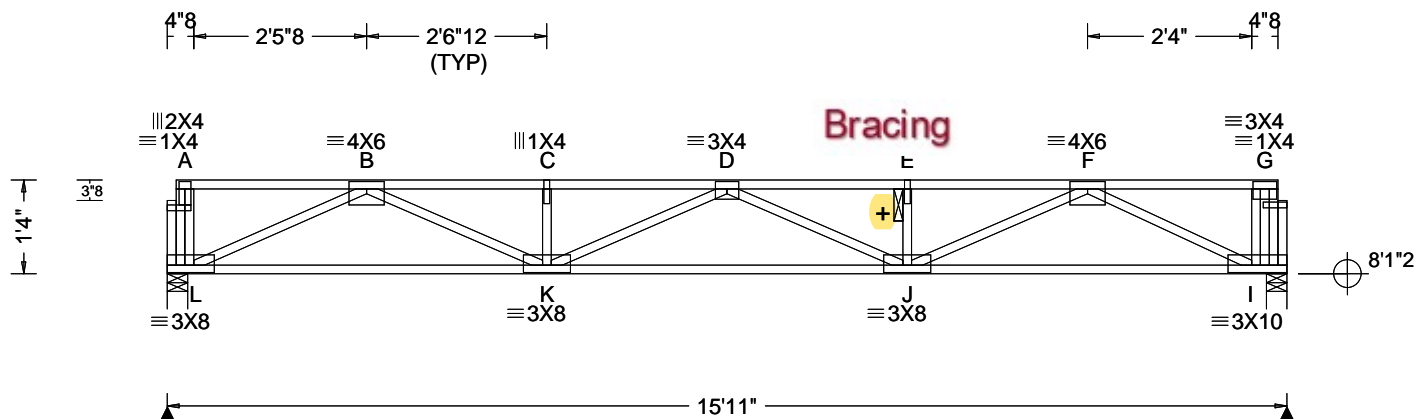
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660619 FROM: CDM	SY42 Qty: 8	Ply: 1 Qty: 8	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F05	Cust: R 215 JRRef: 1XG62150001 T82 DrwNo: 157.22.1601.47320 GA / YK 06/06/2022
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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: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.234 D 787 480 VERT(CL): 0.322 D 572 360 HORZ(LL): 0.035 I - - HORZ(TL): 0.048 I - - Creep Factor: 2.0 Max TC CSI: 0.378 Max BC CSI: 0.809 Max Web CSI: 0.485 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL L 863 -/- /- /- /- /- I 863 -/- /- /- /- /- L Brg Wid = 3.5 Min Req = 1.5 (Truss) I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings L & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 0 -2422 D - E 0 -2423 C - D 0 -2422 E - F 0 -2423

#### Lumber

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

#### Additional Notes

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

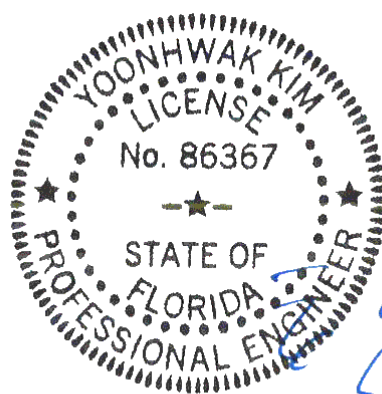
Truss must be installed as shown with top chord up.  
The overall height of this truss excluding overhang is 1-4-0.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	1505	J - I	1501
K - J	2699		0

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
L - B	0 - 1661	J - F	1019
B - K	1013	F - I	0 - 1644



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

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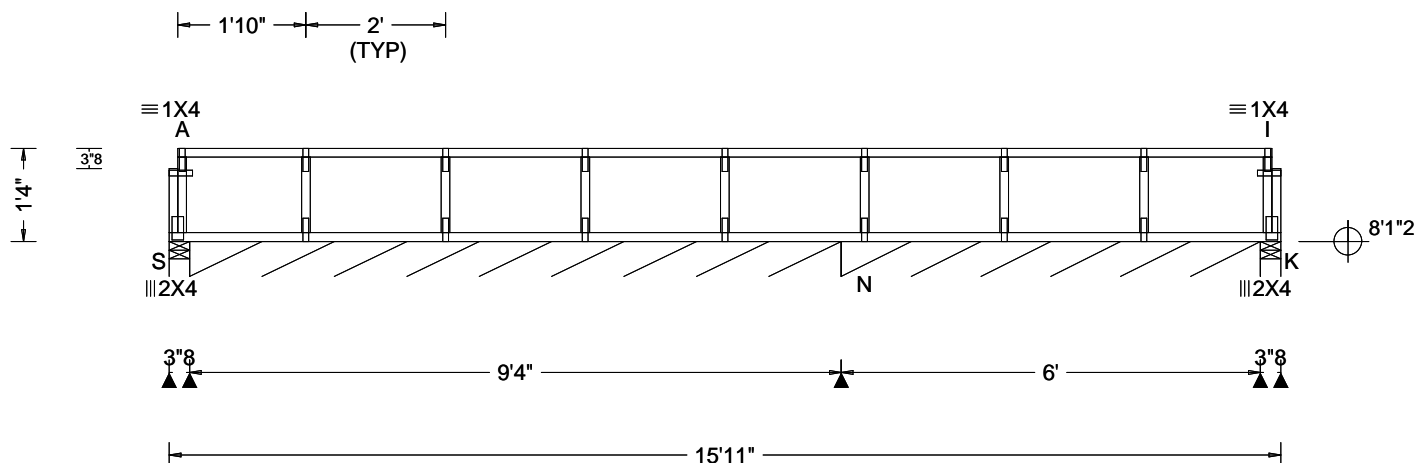
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660621 FROM: CDM	SY42 Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F06	Cust: R 215 JRRef: 1XG62150001 T84 DrwNo: 157.22.1601.50513 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 I 999 480 VERT(CL): 0.001 I 999 360 HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.219 Max BC CSI: 0.041 Max Web CSI: 0.048 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity S 84 -/- /- /- /- /- S* 96 -/- /- /- /- /- N* 111 -/- /- /- /- /- K 97 -/- /- /- /- /- S Brg Wid = 3.5 Min Req = 1.5 (Truss) S Brg Wid = 112 Min Req = - N Brg Wid = 72.0 Min Req = - K Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings S, S, N, & K are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

#### Plating Notes

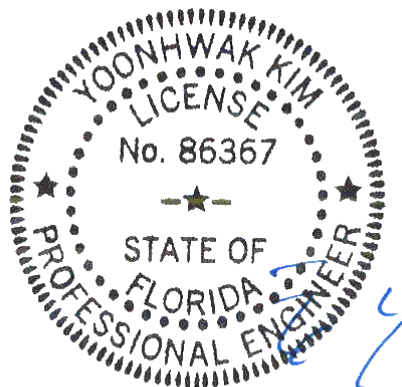
All plates are 1X4 except as noted.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367  
160470011 Certificate of Product Approval #FL 1999

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

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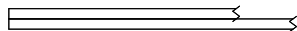
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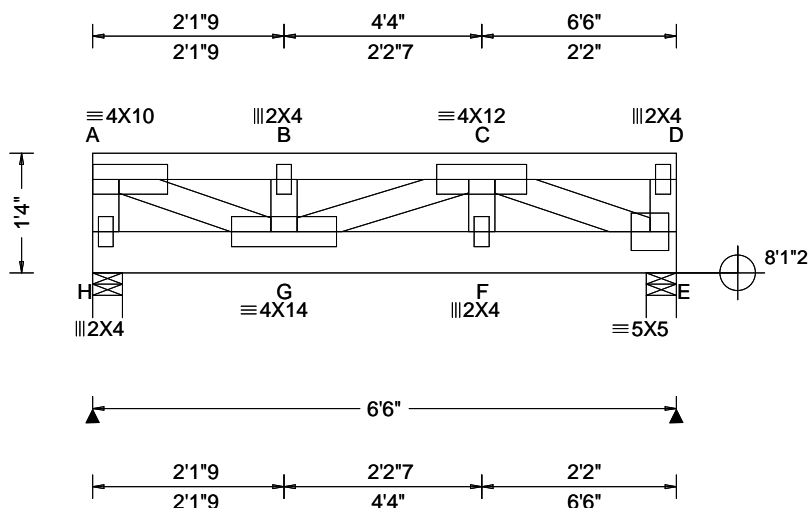


155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661046 FROM: CDM	FLAT Ply: 2 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F07	Cust: R 215 JRef: 1XG62150001 T91 DrwNo: 157.22.1602.26187 GA / YK 06/06/2022
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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 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): 0.036 B 999 480 VERT(CL): 0.049 B 999 360 HORZ(LL): 0.008 A - - HORZ(TL): 0.012 A - - Creep Factor: 2.0 Max TC CSI: 0.688 Max BC CSI: 0.690 Max Web CSI: 0.956 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL H 2036 -/- /- /- /- /- E 2887 -/- /- /- /- /- H Brg Wid = 4.0 Min Req = 1.5 (Truss) E Brg Wid = 4.0 Min Req = 1.7 (Truss) Bearings H & E are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 - 1847 B - C 0 - 1847 <b>Maximum Bot Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. G - F 2009 0 F - E 2009 0 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. Webs Tens. Comp. A - H 0 - 919 C - E 0 - 2168 A - G 2007 0 D - E 0 - 482 B - G 0 - 856

#### Lumber

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

#### Nailnote

Nail Schedule: 0.131"x3", min. nails  
Top Chord: 1 Row @ 1.75" 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

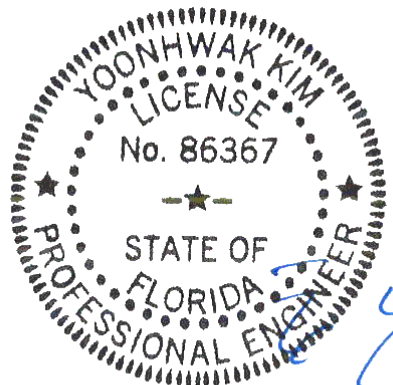
----- (Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)  
TC: From 50 plf at 0.00 to 50 plf at 6.50  
BC: From 5 plf at 0.00 to 5 plf at 6.50  
TC: 863 lb Conc. Load at 1.69, 3.69  
TC: 661 lb Conc. Load at 2.14, 4.14, 6.14  
TC: 856 lb Conc. Load at 5.54

#### 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'-4"-0.



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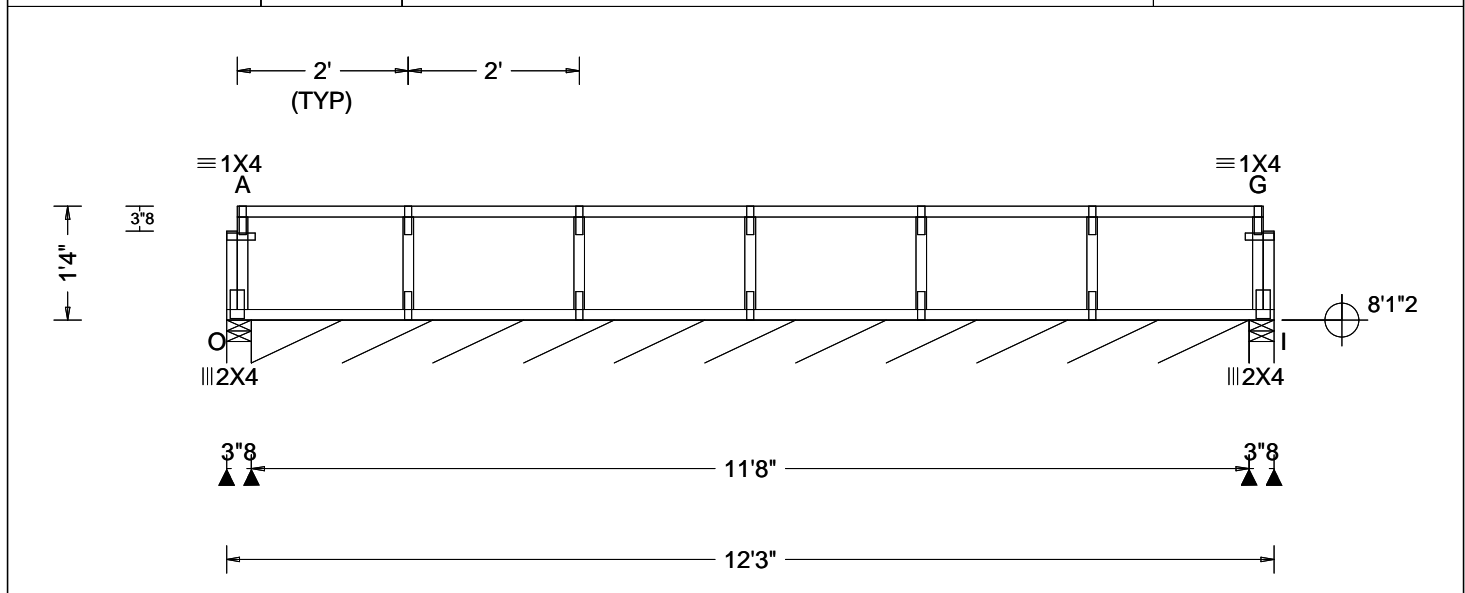
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660607 FROM: CDM	SY42 Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F08	Cust: R 215 JRRef: 1XG62150001 T55 DrwNo: 157.22.1603.19430 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 G 999 480 VERT(CL): 0.001 G 999 360 HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.045 Max Web CSI: 0.051 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL O 93 -/- /- /- /- /- O* 97 -/- /- /- /- /- I 106 -/- /- /- /- /- O Brg Wid = 3.5 Min Req = 1.5 (Truss) O Brg Wid = 140 Min Req = - I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings O, O, & I are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

#### Plating Notes

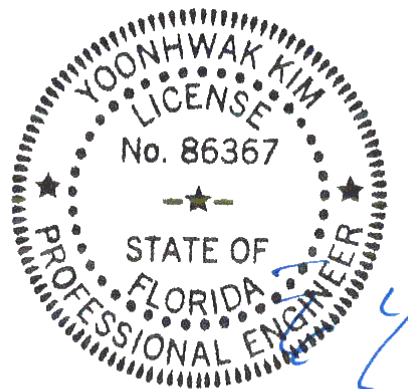
All plates are 1X4 except as noted.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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



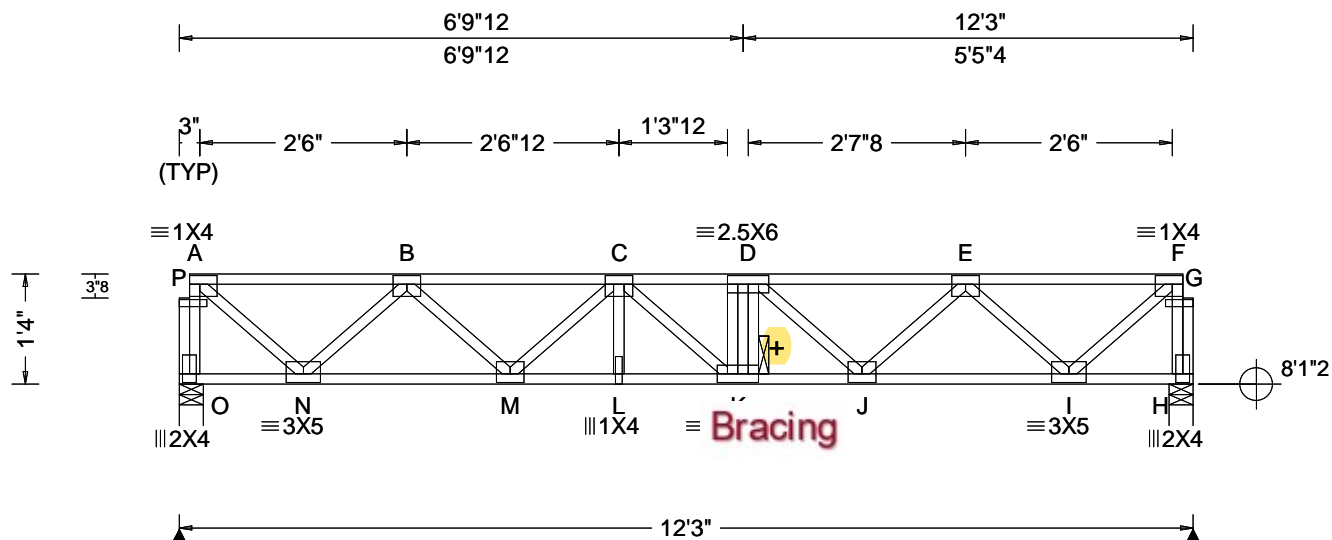
FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999

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



SEQN: 660609 FROM: CDM	SY42 Ply: 1 Qty: 9	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F09	Cust: R 215 JRRef: 1XG62150001 T62 DrwNo: 157.22.1603.35120 GA / YK 06/06/2022
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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: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.079 K 999 480 VERT(CL): 0.109 K 999 360 HORZ(LL): 0.015 I - - HORZ(TL): 0.020 I - - Creep Factor: 2.0 Max TC CSI: 0.456 Max BC CSI: 0.461 Max Web CSI: 0.383 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL O 661 -/- /- /- /- /- H 661 -/- /- /- /- /- O Brg Wid = 3.5 Min Req = 1.5 (Truss) H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings O & H are a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -590 D - E 0 -1371 B - C 0 -1372 E - F 0 -591 C - D 0 -1601

#### Lumber

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

#### Plating Notes

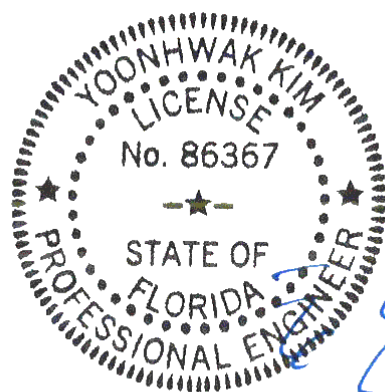
All plates are 3X4 except as noted.

#### Additional Notes

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

Truss must be installed as shown with top chord up.

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



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#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
N - M	1135 0	K - J	1600 0
M - L	1593 0	J - I	1136 0
L - K	1593 0		

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
P - O	0 -656	E - I	0 -759
A - P	0 -645	I - F	803 0
A - N	802 0	F - G	0 -645
N - B	0 -758	G - H	0 -650

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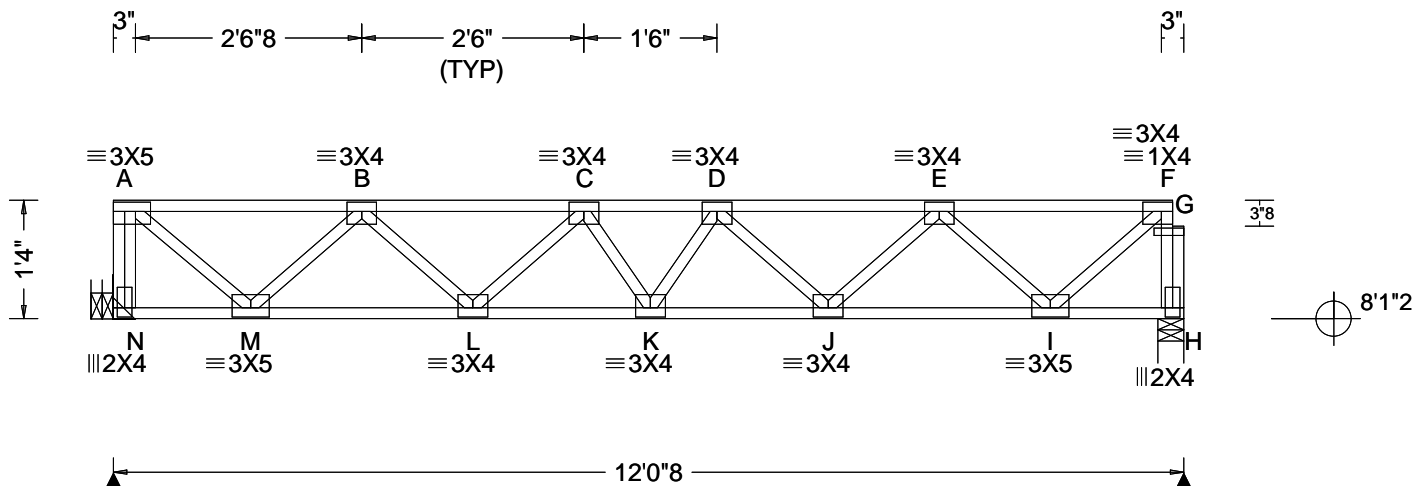
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660654 FROM: CDM	SY42 Qty: 3	Ply: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F10	Cust: R 215 JRef: 1XG62150001 T76 DrwNo: 157.22.1604.13197 GA / YK 06/06/2022
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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: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 12(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.074 K 999 480 VERT(CL): 0.102 K 999 360 HORZ(LL): 0.014 I - - HORZ(TL): 0.019 I - - Creep Factor: 2.0 Max TC CSI: 0.438 Max BC CSI: 0.435 Max Web CSI: 0.371  VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh N 661 -/- /- H 646 -/- /- N Brg Wid = - Min Req = - H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearing H is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. A - B 0 -565 D - E 0 -1326 B - C 0 -1322 E - F 0 -573 C - D 0 -1527

#### Lumber

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

#### Hangers / Ties

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

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

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

Bearing at location x=0'8" uses the following support conditions: -0'8"

Bearing N (-0'8, 8'1"2) HHUS46

Supporting Member: (2)2x6 SP #2  
(14) 0.148"x3" nails into supporting member,  
(6) 0.148"x3" nails into supported member.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Maximum panel length exceeds 30". TPI allows non-bearing partition walls to be supported at any point when panels are 30" or less.

Truss must be installed as shown with top chord up.

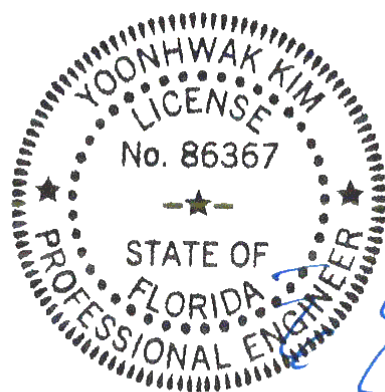
The overall height of this truss excluding overhang is 1-4-0.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.		
M - L	1095	0	K - J	1523	0
L - K	1522	0	J - I	1102	0

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - N	0 -653	I - F	780 0
A - M	776 0	F - G	0 -630
M - B	0 -738	G - H	0 -635
E - I	0 -736		



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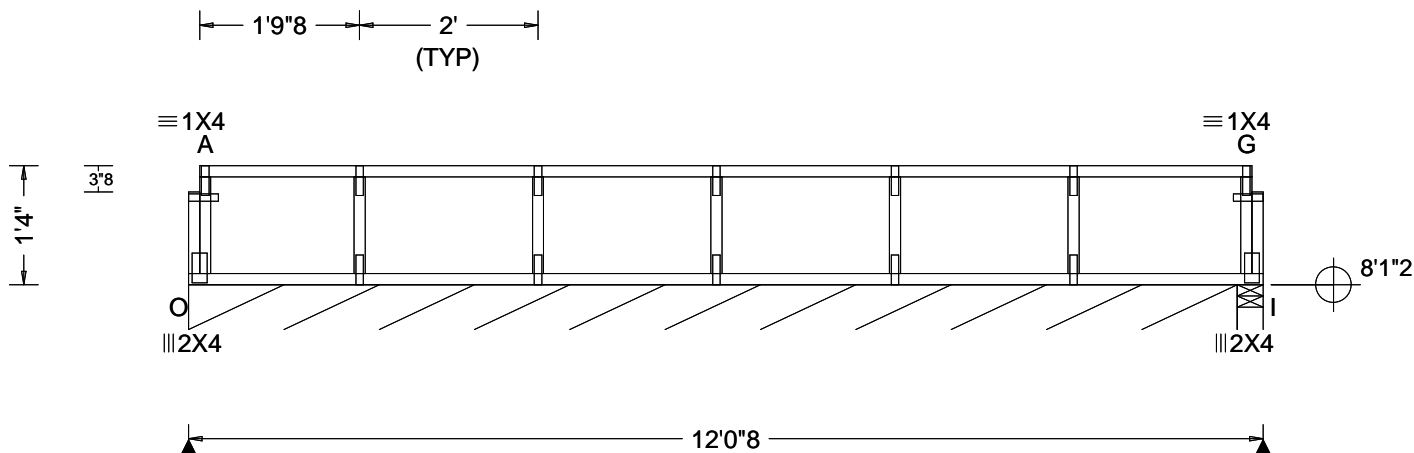
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcacomponents.com](http://sbcacomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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



SEQN: 660656 FROM: CDM	SY42 Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: F11	Cust: R 215 JRef: 1XG62150001 T90 DrwNo: 157.22.1604.20167 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 40.00 TCDL: 10.00 BCLL: 0.00 BCDL: 5.00 Des Ld: 55.00 NCBCLL: 10.00 Soffit: 0.00 Load Duration: 1.00 Spacing: 24.0 "	Wind Std: NA Speed: NA mph Enclosure: NA Category: NA EXP: NA Kzt: NA Mean Height: NA ft TCDL: NA psf BCDL: NA psf MWFRS Parallel Dist: NA C&C Dist a: NA ft Loc. from endwall: NA I: NA GCpi: NA Wind Duration: NA	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 G 999 480 VERT(CL): 0.001 G 999 360 HORZ(LL): -0.001 G - - HORZ(TL): 0.002 G - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.046 Max Web CSI: 0.051  VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity O* 104 -/- /- /- /- /- I 92 -/- /- /- /- /- O Brg Wid = 140 Min Req = - I Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings O & I are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Bracing

Sheathing is required for any longitudinal(drag) forces. All connections to be designed by the building designer.

Fasten rated sheathing to one face of this frame.

#### Plating Notes

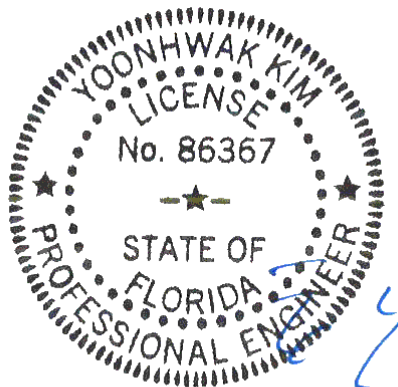
All plates are 1X4 except as noted.

#### Additional Notes

See detail STRBRIBR1014 for bracing and bridging recommendations.

Truss must be installed as shown with top chord up.

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



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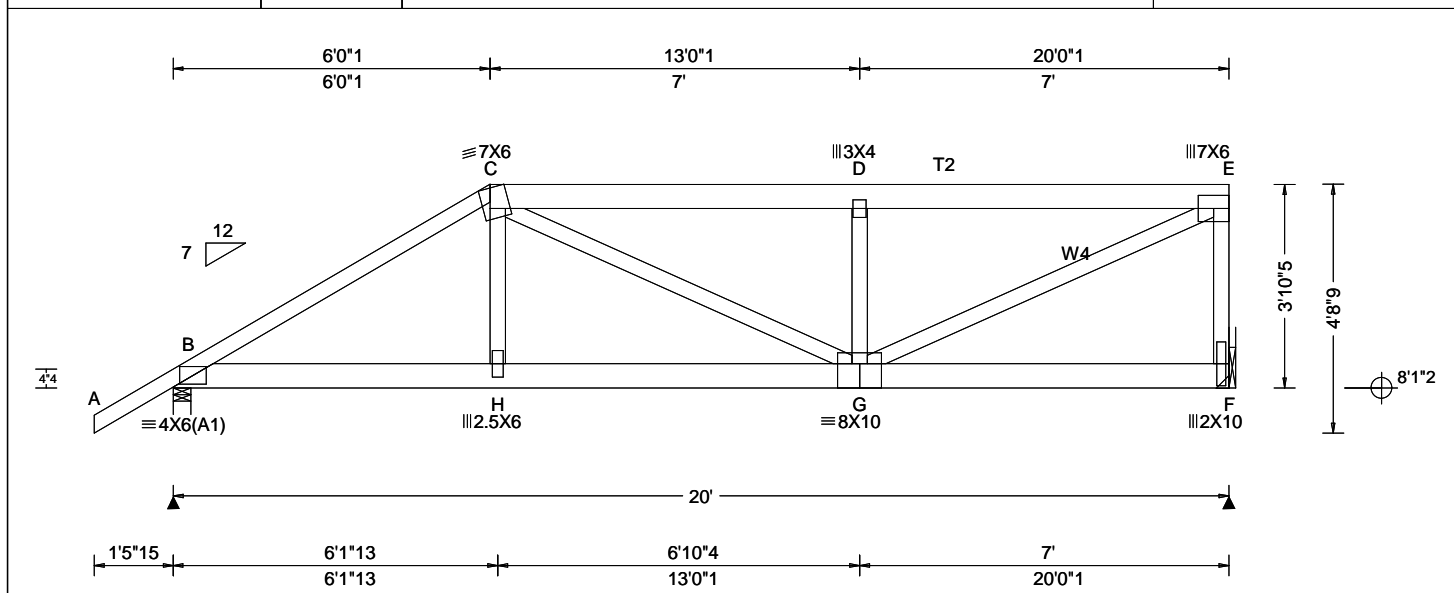
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SEQN: 661072 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G01	Cust: R 215 JRef: 1XG62150001 T25 DrwNo: 157.22.1604.52800 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.086 D 999 240 VERT(CL): 0.173 D 999 180 HORZ(LL): 0.022 C - - HORZ(TL): 0.045 C - - Creep Factor: 2.0 Max TC CSI: 0.832 Max BC CSI: 0.669 Max Web CSI: 0.706 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1802 -/- /- /- /394 -/ F 1995 -/- /- /- /474 -/ Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 (Truss) F Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 659 -3037 D - E 648 -2767 C - D 649 -2769

#### Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;  
Bot chord: 2x6 SP #2;  
Webs: 2x4 SP #3; W4 2x4 SP #2;

#### Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 63 plf at -1.50 to 63 plf at 6.01  
TC: From 32 plf at 6.01 to 32 plf at 20.00  
BC: From 5 plf at -1.50 to 5 plf at 0.00  
BC: From 20 plf at 0.00 to 20 plf at 6.04  
BC: From 10 plf at 6.04 to 10 plf at 20.00  
TC: 344 lb Conc. Load at 6.04  
TC: 160 lb Conc. Load at 8.07,10.07,12.07,14.07  
16.07,18.07,19.94  
BC: 381 lb Conc. Load at 6.04  
BC: 110 lb Conc. Load at 8.07,10.07,12.07,14.07  
16.07,18.07,19.94

#### Purlins

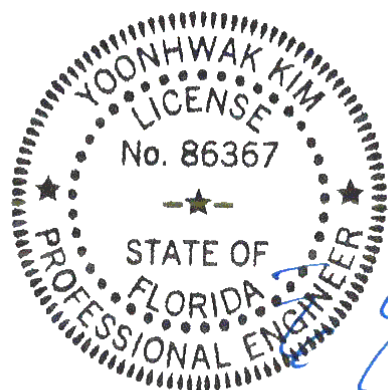
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 3-10-5.

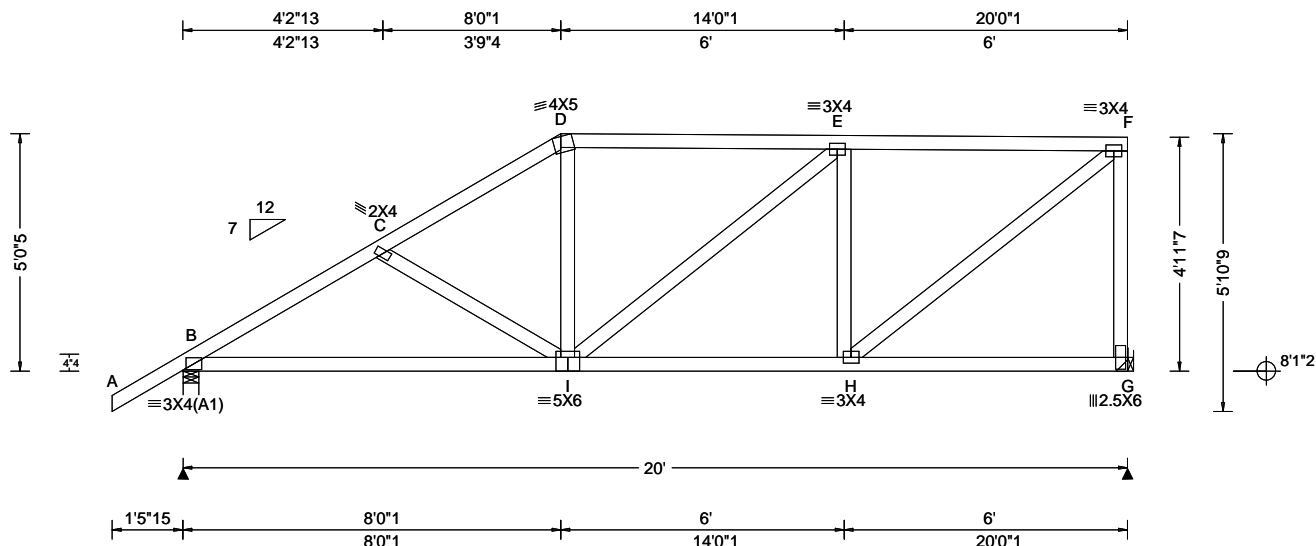


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660458 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G02	Cust: R 215 JRef: 1XG62150001 T22 DrwNo: 157.22.1605.08727 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.032 I 999 240 VERT(CL): 0.065 I 999 180 HORZ(LL): 0.011 C - - HORZ(TL): 0.022 C - - Creep Factor: 2.0 Max TC CSI: 0.624 Max BC CSI: 0.587 Max Web CSI: 0.668  VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 937 - / - / /587 /149 /186 G 828 - / - / /439 /169 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 546 - 1302 D - E 491 - 876 C - D 521 - 1065 E - F 503 - 781

#### Lumber

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

#### Hangers / Ties

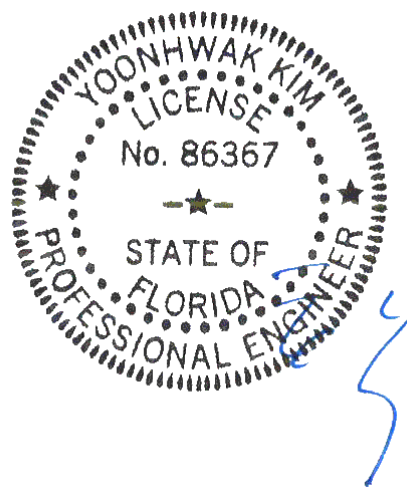
(J) Hanger Support Required, by others

#### Wind

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

#### Additional Notes

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

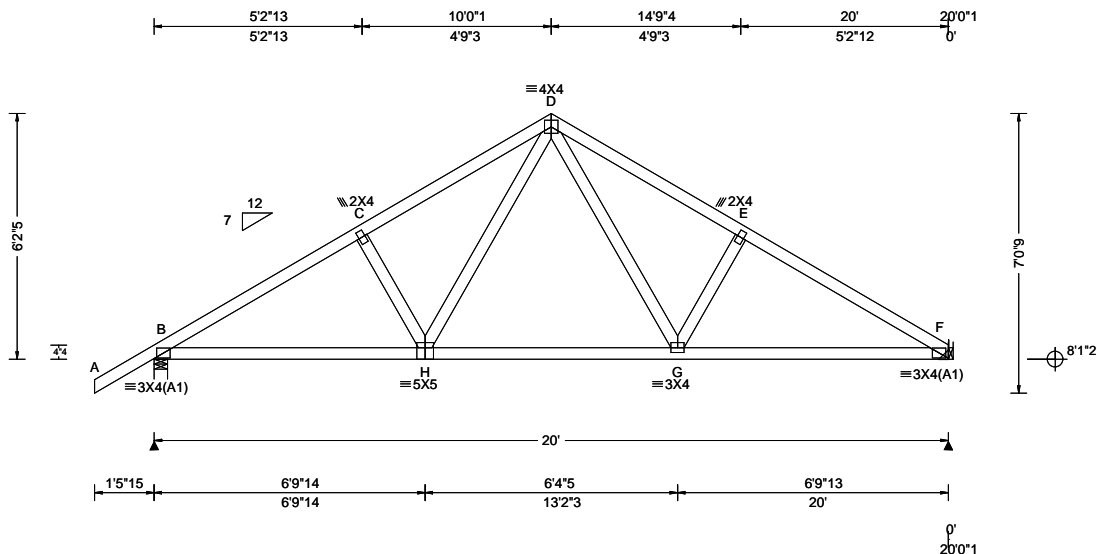


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660452 FROM: CDM	SPEC Ply: 1 Qty: 3	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G03	Cust: R 215 JRef: 1XG62150001 T23 DrwNo: 157.22.1605.11030 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.039 H 999 240 VERT(CL): 0.076 H 999 180 HORZ(LL): 0.016 F - - HORZ(TL): 0.032 F - - Creep Factor: 2.0 Max TC CSI: 0.262 Max BC CSI: 0.513 Max Web CSI: 0.187 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL B 972 - / - / - / 561 / 162 / 178 F 874 - / - / - / 480 / 135 / - Non-Gravity Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) F Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 256 - 1371 D - E 292 - 1223 C - D 289 - 1227 E - F 258 - 1366

#### 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.

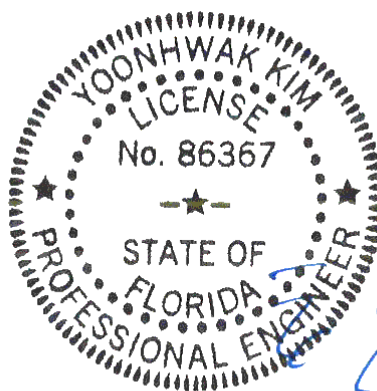
#### Wind

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

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 6'-2-5".

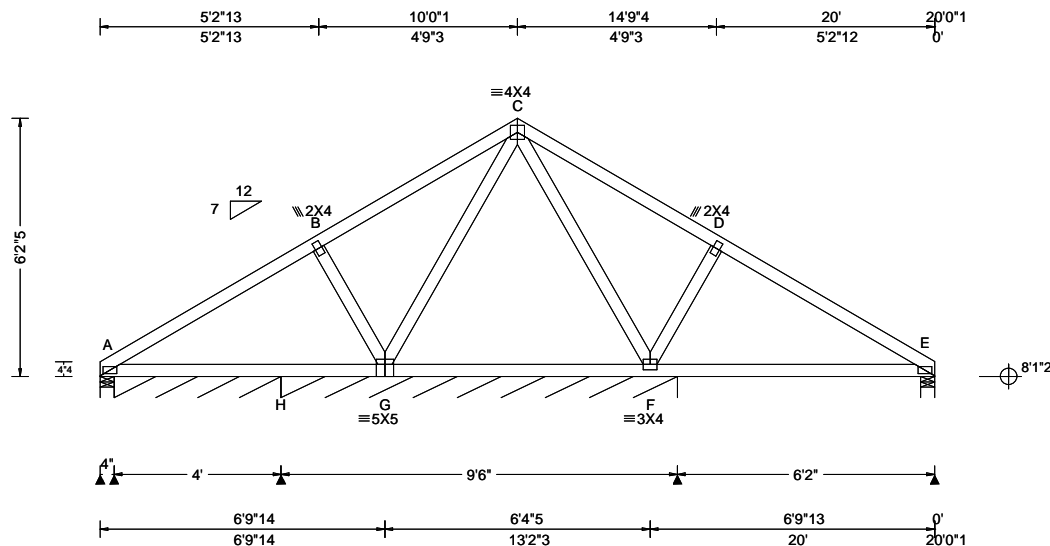


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06/07/2022  
FL 06/07/2022 Certificate of Product Approval #FL 1999

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Refer to job's General Notes page for additional information.  
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660449 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G04	Cust: R 215 JRef: 1XG62150001 T29 DrwNo: 157.22.1605.29403 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 E 999 240 VERT(CL): 0.013 E 999 180 HORZ(LL): -0.003 E - - HORZ(TL): 0.008 E - - Creep Factor: 2.0 Max TC CSI: 0.441 Max BC CSI: 0.356 Max Web CSI: 0.164 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 188 - / - /93 /35 /150 A* 40 - / - /26 - / - H* 112 - / - /61 /21 - E 297 - / - /195 /38 - Wind reactions based on MWFRS A Brg Wid = 4.0 Min Req = 1.5 (Truss) A Brg Wid = 48.0 Min Req = - H Brg Wid = 114 Min Req = - E Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearings A, A, H, & E are a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Plating Notes

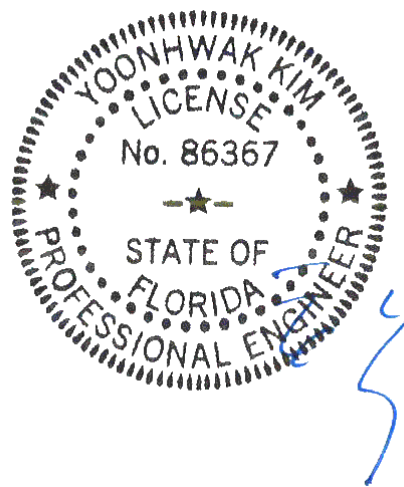
All plates are 2X4(A1) except as noted.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 6-2-5.



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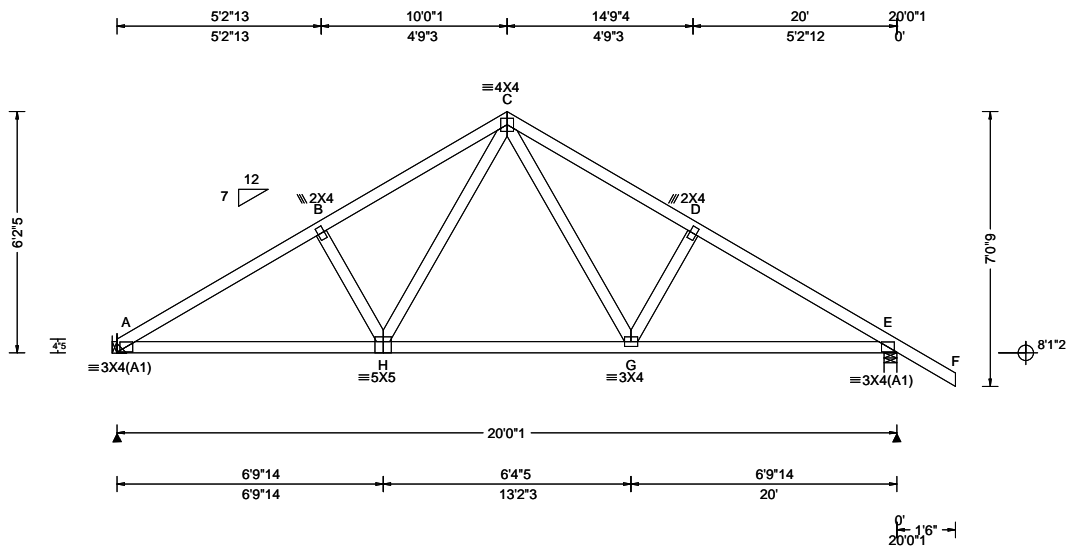
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660443 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G05	Cust: R 215 JRef: 1XG62150001 T28 DrwNo: 157.22.1605.33940 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.033 G 999 240 VERT(CL): 0.067 G 999 180 HORZ(LL): 0.014 E - - HORZ(TL): 0.028 E - - Creep Factor: 2.0 Max TC CSI: 0.262 Max BC CSI: 0.454 Max Web CSI: 0.167 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL A 826 - / - / /477 /134 /178 E 939 - / - / /565 /163 - / - Non-Gravity Wind reactions based on MWFRS A Brg Wid = - Min Req = - E Brg Wid = 4.0 Min Req = 1.5 (Truss) 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 257 -1266 C - D 282 -1104 B - C 290 -1123 D - E 249 -1248

#### Lumber

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

#### Hangers / Ties

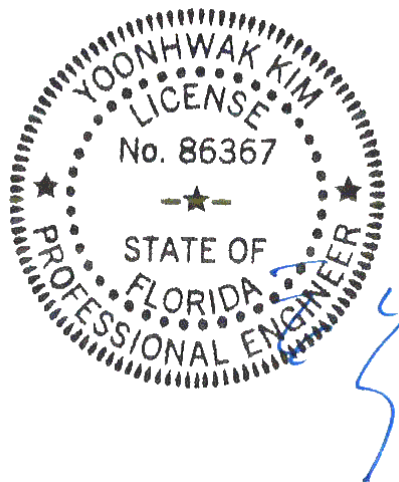
(J) Hanger Support Required, by others

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 6-2-5.



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#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

A - H 1036 -123 G - E 1013 -114  
H - G 693 -4

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

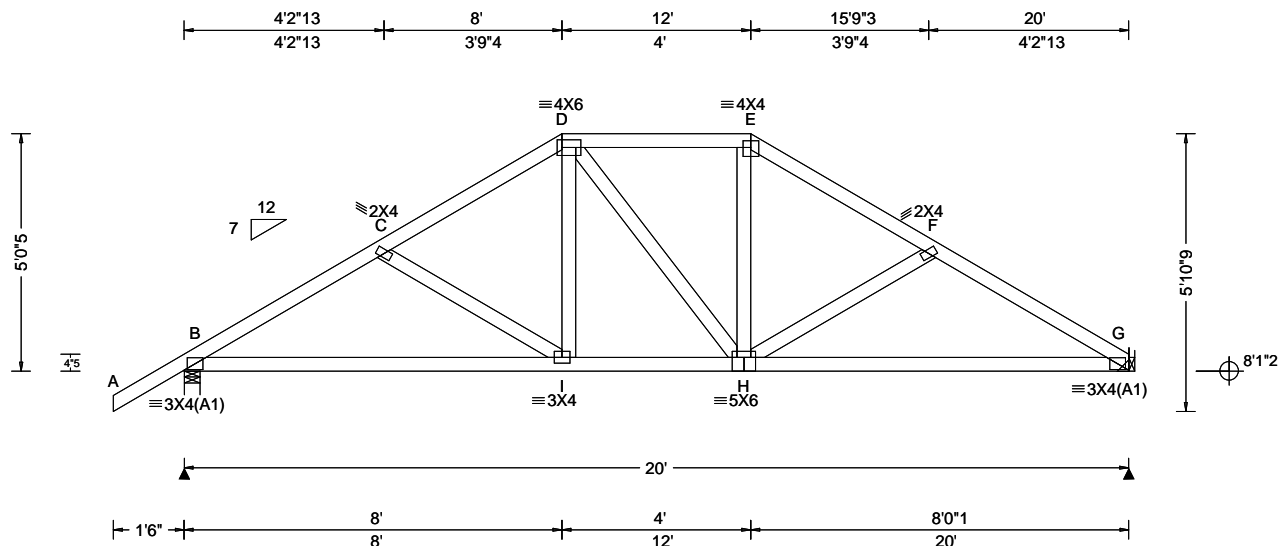
H - C 438 -97 C - G 408 -82

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



SEQN: 660440 FROM: CDM	HIPS Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G06	Cust: R 215 JRef: 1XG62150001 T27 DrwNo: 157.22.1605.35880 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.031 I 999 240 VERT(CL): 0.064 I 999 180 HORZ(LL): 0.015 G - - HORZ(TL): 0.031 G - - Creep Factor: 2.0 Max TC CSI: 0.236 Max BC CSI: 0.574 Max Web CSI: 0.114 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 939 - / - / /565 /166 /148 G 826 - / - / /478 /137 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) G Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. Chords Tens. Comp. B - C 440 -1253 E - F 414 -1033 C - D 411 -1029 F - G 451 -1275 D - E 393 -845

#### Lumber

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

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Purlins

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

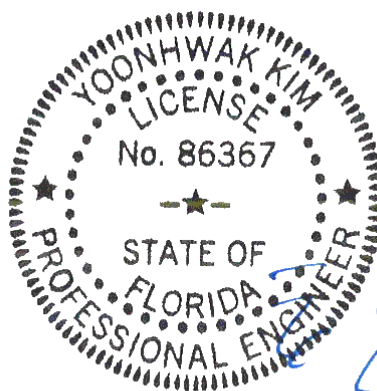
#### Wind

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

Wind loading based on both gable and hip roof types.

#### Additional Notes

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

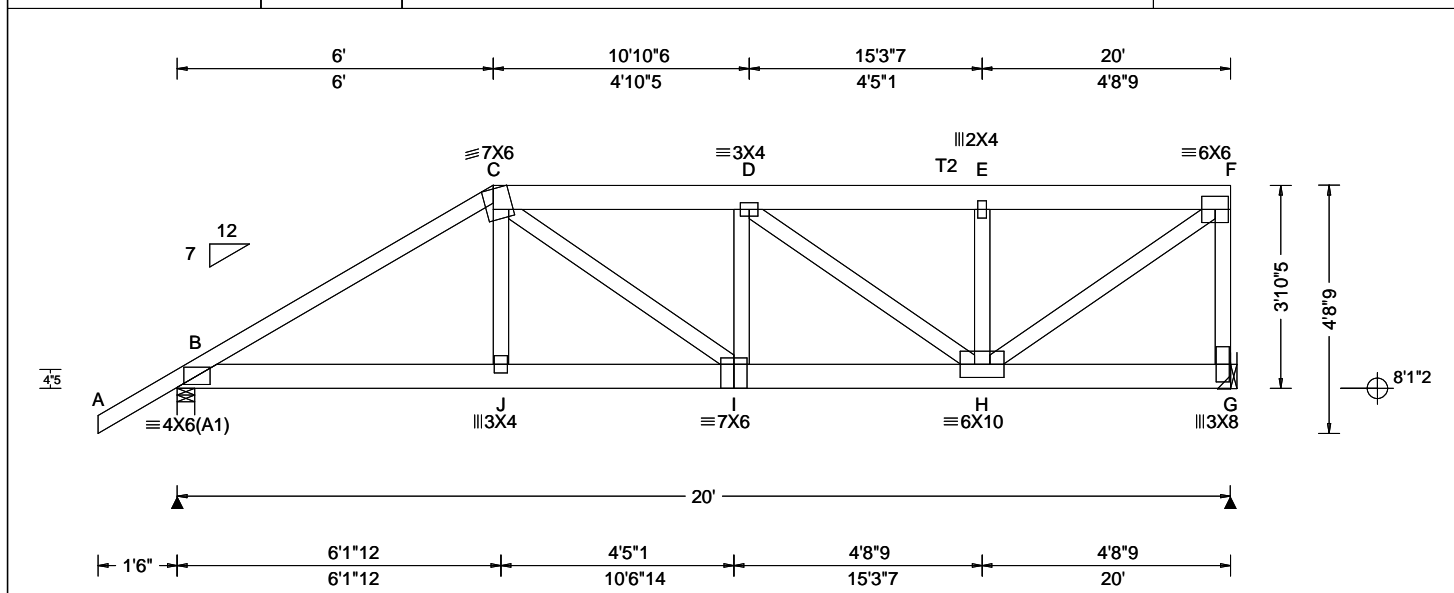


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661080 FROM: CDM	HIPM Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: G07	Cust: R 215 JRef: 1XG62150001 T37 DrwNo: 157.22.1606.06883 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.073 I 999 240 VERT(CL): 0.147 I 999 180 HORZ(LL): 0.020 G - - HORZ(TL): 0.041 G - - Creep Factor: 2.0 Max TC CSI: 0.744 Max BC CSI: 0.576 Max Web CSI: 0.957 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1815 - / - / - / 397 - / - G 1981 - / - / - / 471 - / - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 2.1 (Truss) G Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 645 -2940 D - E 473 -2040 C - D 645 -2832 E - F 473 -2040

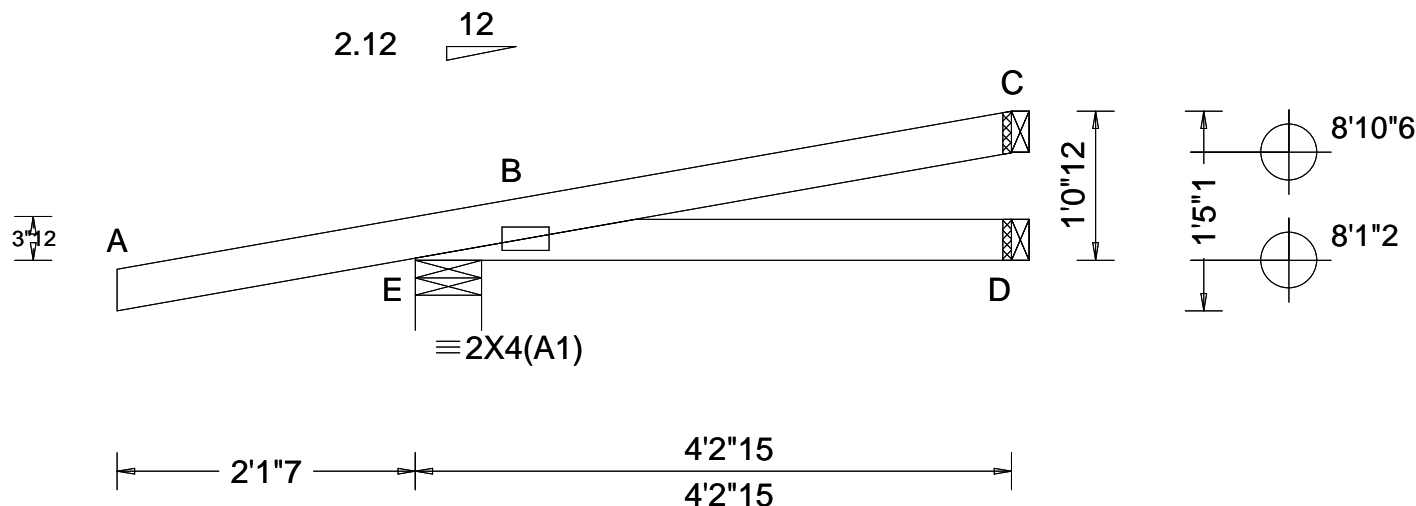
Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; T2 2x6 SP #2; Bot chord: 2x6 SP #2; Webs: 2x4 SP #3;	The overall height of this truss excluding overhang is 3-10.5.	Chords Tens.Comp. Chords Tens. Comp. B - J 2461 -526 I - H 2827 -656 J - I 2484 -523

Special Loads	Maximum Web Forces Per Ply (lbs)
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at -1.50 to 63 plf at 6.00 TC: From 32 plf at 6.00 to 32 plf at 20.00 BC: From 5 plf at -1.50 to 5 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 6.03 BC: From 10 plf at 6.03 to 10 plf at 20.00 TC: 344 lb Conc. Load at 6.03 TC: 160 lb Conc. Load at 8.06, 10.06, 12.06, 14.06 16.06, 18.06, 19.94 BC: 381 lb Conc. Load at 6.03 BC: 110 lb Conc. Load at 8.06, 10.06, 12.06, 14.06 16.06, 18.06, 19.94	Webs Tens.Comp. Webs Tens. Comp. C - J 544 0 E - H 271 -540 C - I 432 -151 H - F 2511 -583 D - H 231 -993 F - G 499 -1783

Hangers / Ties	Professional Engineer Seal
(J) Hanger Support Required, by others	Yoonhwak Kim LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER
Purlins	FL REG# 278, Yoonhwak Kim, FL PE #86367 Florida Certificate of Product Approval #FL 1999
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	
Wind	
Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure. Wind loading based on both gable and hip roof types.	

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SEQN: 661048 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ01	Cust: R 215 JRRef: 1XG62150001 T60 DrwNo: 157.22.1606.20290 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA  Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.386 Max BC CSI: 0.068 Max Web CSI: 0.000  VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 212 -/- /- /- /61 -/ D 12 -/- /- /13 -/- /- C 52 -/- /- /- /19 -/ Wind reactions based on MWFRS E Brg Wid = 5.7 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - 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;

#### Loading

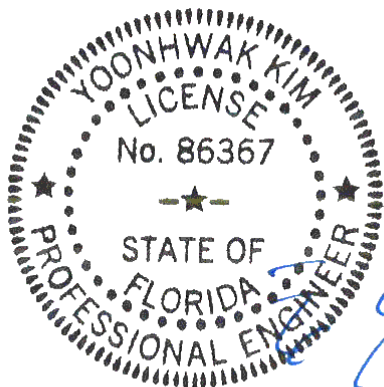
Hipjack supports 3-0-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-0-12.



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

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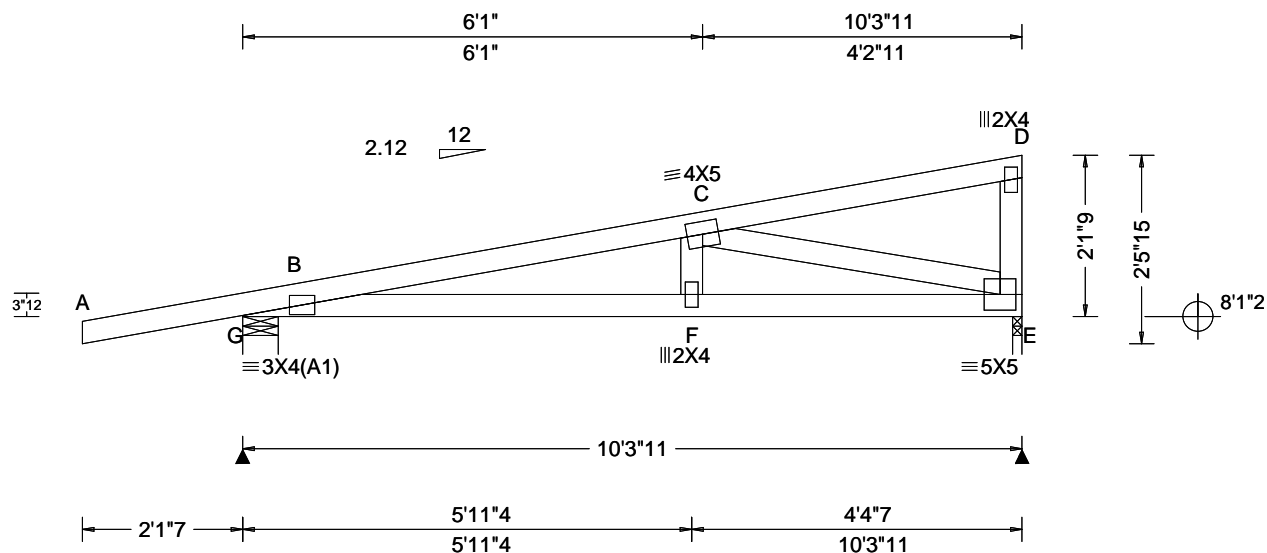
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661051 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ02	Cust: R 215 JRef: 1XG62150001 T47 DrwNo: 157.22.1607.23533 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.053 F 999 240 VERT(CL): 0.105 F 999 180 HORZ(LL): 0.011 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.503 Max BC CSI: 0.523 Max Web CSI: 0.499 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 448 -/- /- /- /98 -/ E 667 -/- /- /- /123 -/ Wind reactions based on MWFRS G Brg Wid = 5.7 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = 1.5 (Truss) Bearings G & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. B - C 240 - 1349

#### Lumber

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

#### Loading

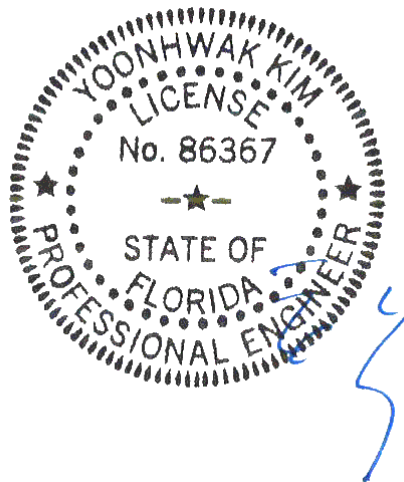
Hipjack supports 7-3-8 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-9.



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#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	1315 -232	F - E	1301 -240

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - E	244 - 1319

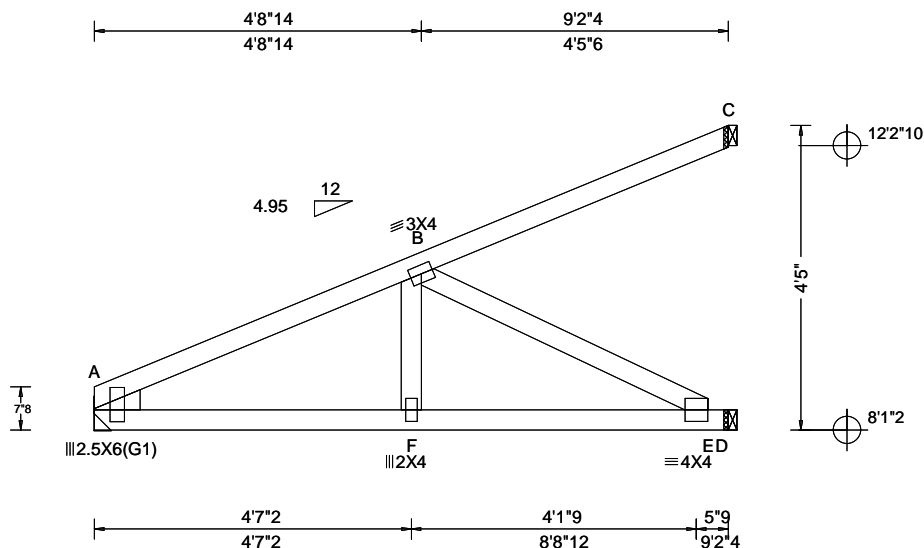
#### \*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING! \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

SEQN: 661053 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ03	Cust: R 215 JRef: 1XG62150001 T75 DrwNo: 157.22.1607.52390 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.014 F 999 240 VERT(CL): 0.029 F 999 180 HORZ(LL): 0.003 B - - HORZ(TL): 0.007 B - - Creep Factor: 2.0 Max TC CSI: 0.542 Max BC CSI: 0.449 Max Web CSI: 0.281 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 279 -/- /- /46 -/ D 332 -/- /- /9 -/ C 227 -/- /- /84 -/ Wind reactions based on MWFRS A Brg Wid = - Min Req = - D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. A - B 98 -582

#### Lumber

Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;  
Lt Stub Wedge: 2x4 SP #3;

#### Loading

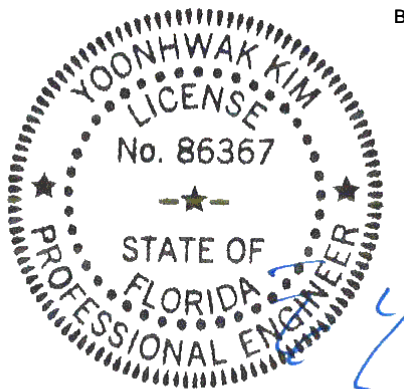
Hipjack supports 6-6-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 4-5-0.

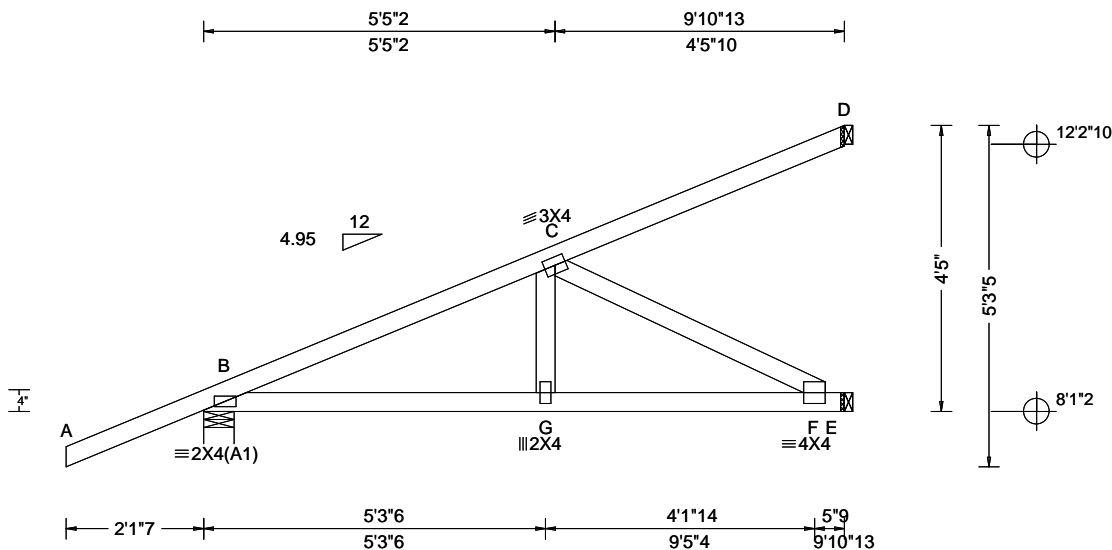


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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661063 FROM: CDM	HIP_	Ply: 1 Qty: 2	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ04	Cust: R 215 JRRef: 1XG62150001 T17 DrwNo: 157.22.1608.01227 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.019 G 999 240 VERT(CL): 0.038 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.619 Max BC CSI: 0.517 Max Web CSI: 0.320 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 466 -/- /- /93 -/ E 374 -/- /- /9 -/ D 253 -/- /- /93 -/ Wind reactions based on MWFRS B Brg Wid = 5.7 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp.

#### Lumber

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

#### Loading

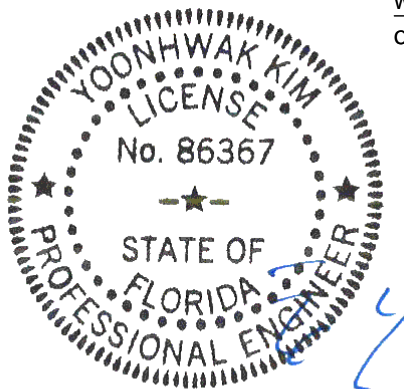
Hipjack supports 7-0-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 4-5-0.



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#### Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - G	593 -91	G - F	587 -94

#### Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.
C - F	107 -664

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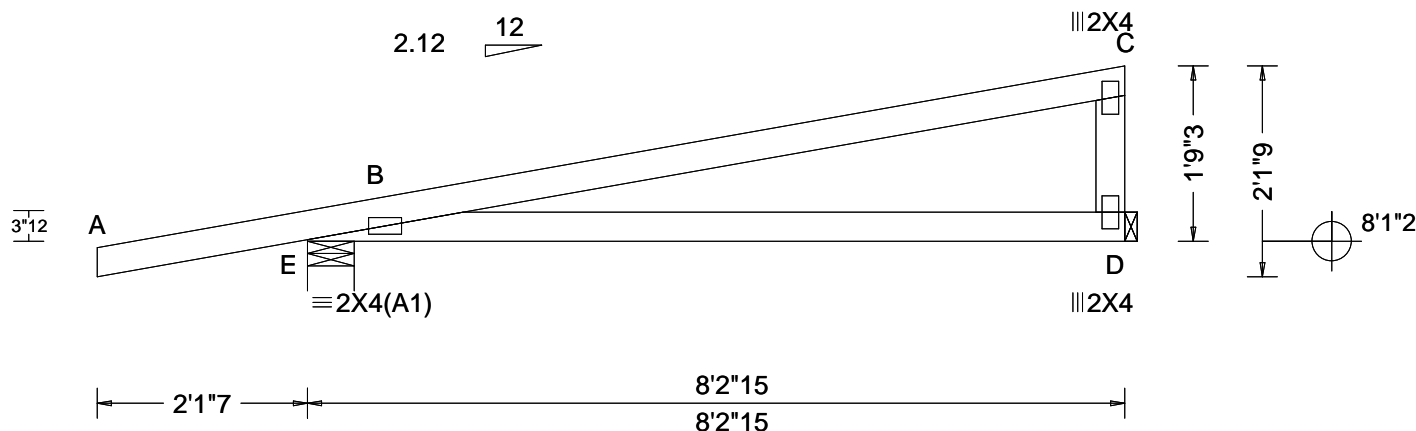
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 661059 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ05	Cust: R 215 JRef: 1XG62150001 T49 DrwNo: 157.22.1608.08757 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 B - - HORZ(TL): 0.030 B - - Creep Factor: 2.0 Max TC CSI: 0.401 Max BC CSI: 0.243 Max Web CSI: 0.265 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E 325 -/- /- /- /75 -/ D 415 -/- /- /- /76 -/ Wind reactions based on MWFRS E Brg Wid = 5.7 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Loading

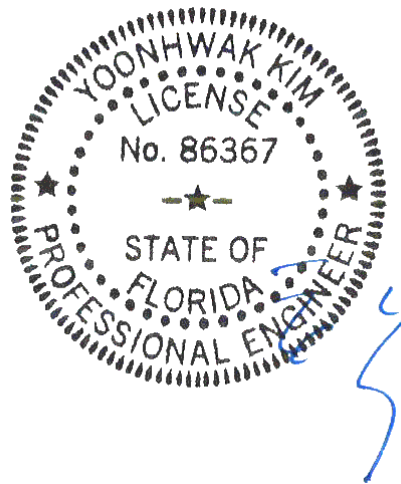
Hipjack supports 5-10-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1-9-3.



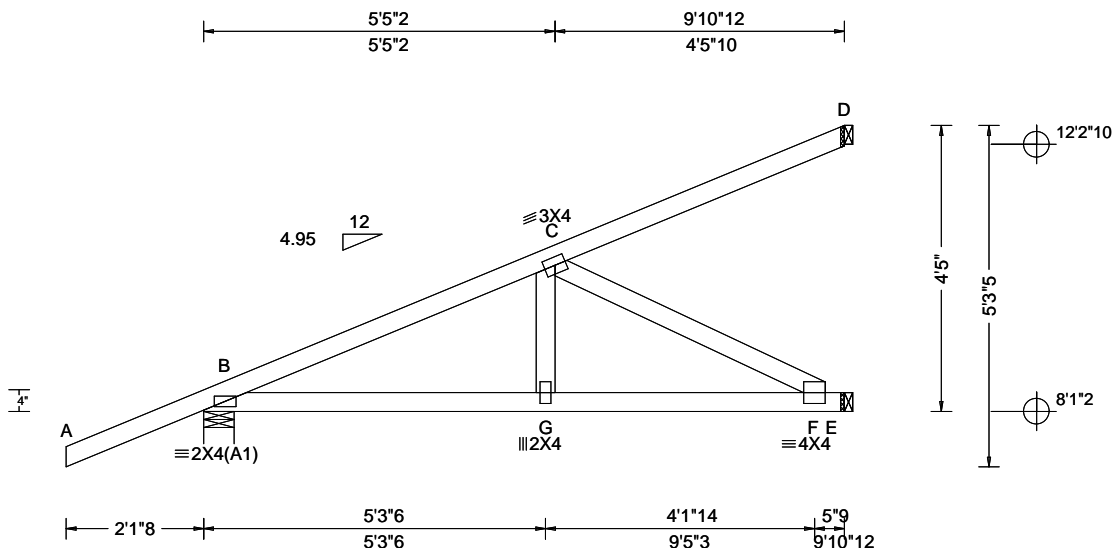
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North Building, 4th Floor  
Glenview, IL 60025



SEQN: 661061 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ07	Cust: R 215 JRef: 1XG62150001 T12 DrwNo: 157.22.1608.14897 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.019 G 999 240 VERT(CL): 0.038 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.619 Max BC CSI: 0.517 Max Web CSI: 0.320 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 466 -/- /- /- /93 -/ E 374 -/- /- /- /9 -/ D 252 -/- /- /- /93 -/ Wind reactions based on MWFRS B Brg Wid = 5.6 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp.

#### Lumber

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

#### Loading

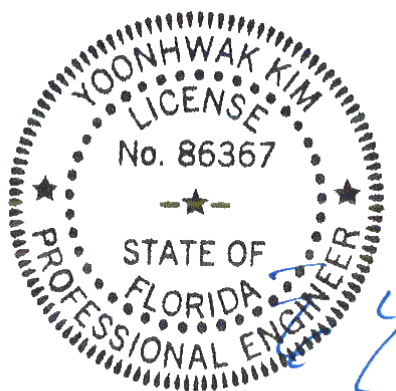
Hipjack supports 7-0-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 4'-5-0.

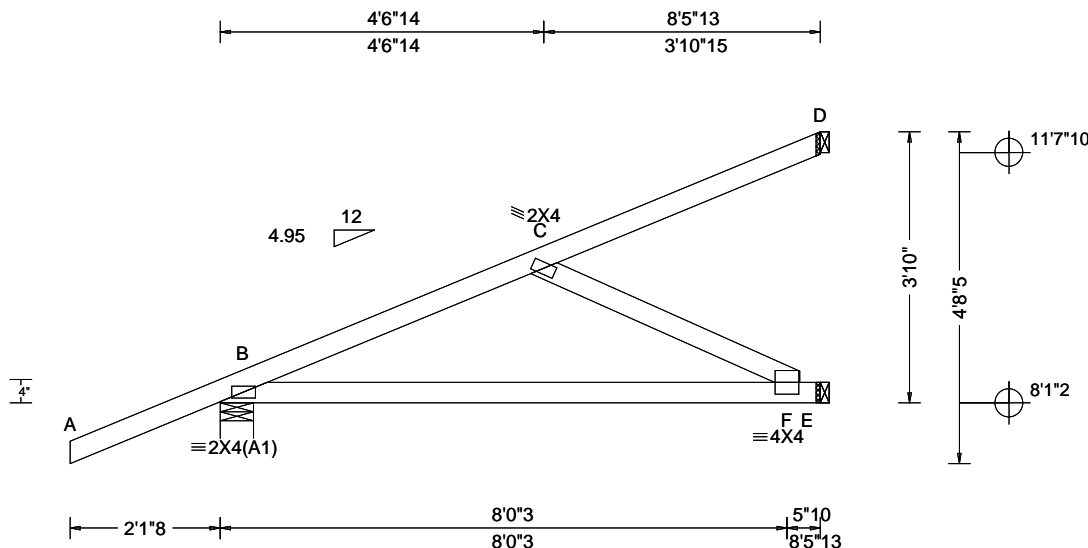


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AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 661066 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ08	Cust: R 215 JRRef: 1XG62150001 T24 DrwNo: 157.22.1608.23057 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 F 999 240 VERT(CL): 0.032 F 999 180 HORZ(LL): 0.005 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.377 Max BC CSI: 0.528 Max Web CSI: 0.151 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 350 -/- /- /71 -/ E 271 -/- /- /1 -/ D 184 -/- /- /73 -/ Wind reactions based on MWFRS B Brg Wid = 5.6 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. B - C 126 -395 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. C - F 118 -402

#### Lumber

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

#### Loading

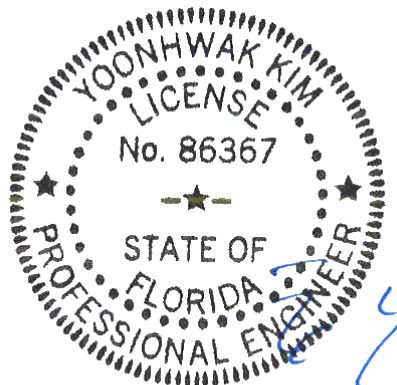
Hipjack supports 6-0-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

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



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Florida Certificate of Product Approval #FL 1999

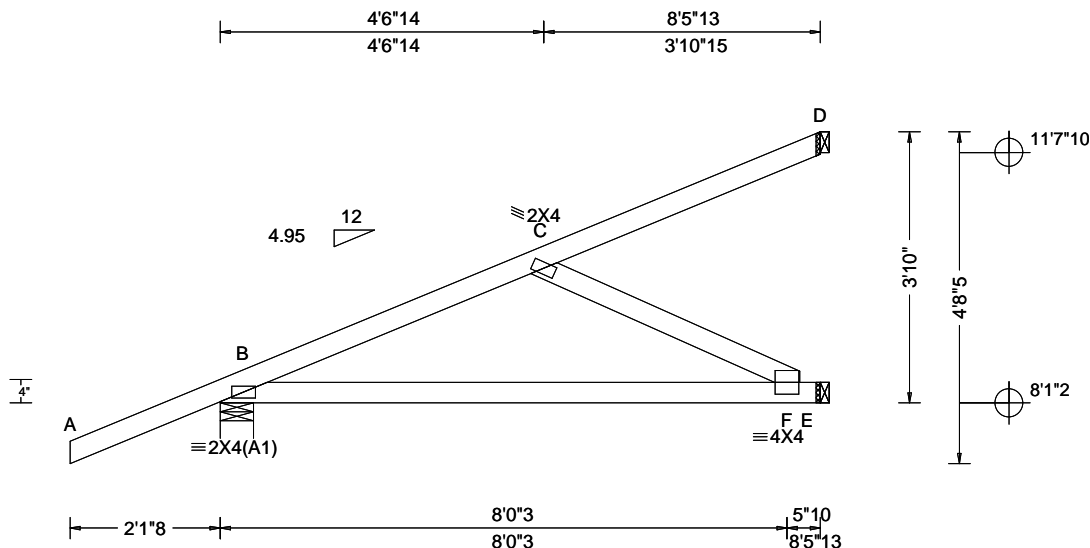
#### **\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!** **\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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

SEQN: 661068 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: HJ09	Cust: R 215 JRRef: 1XG62150001 T45 DrwNo: 157.22.1608.26597 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: NA GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 F 999 240 VERT(CL): 0.032 F 999 180 HORZ(LL): 0.005 C - - HORZ(TL): 0.009 C - - Creep Factor: 2.0 Max TC CSI: 0.377 Max BC CSI: 0.528 Max Web CSI: 0.151 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 350 -/- /- /- /71 -/ E 271 -/- /- /- /1 -/ D 184 -/- /- /- /73 -/ Wind reactions based on MWFRS B Brg Wid = 5.6 Min Req = 1.5 (Truss) E Brg Wid = 1.5 Min Req = - D Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# <b>Maximum Top Chord Forces Per Ply (lbs)</b> Chords Tens.Comp. B - C 126 -395 <b>Maximum Web Forces Per Ply (lbs)</b> Webs Tens.Comp. C - F 118 -402

#### Lumber

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

#### Loading

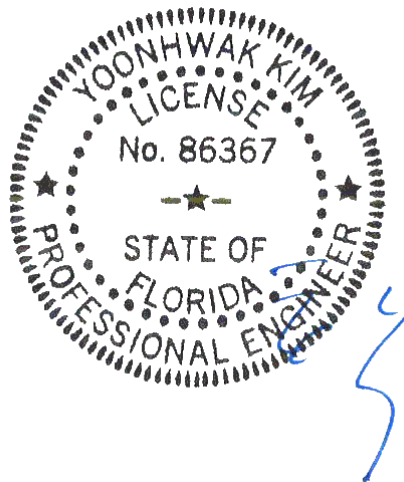
Hipjack supports 6-0-0 setback jacks with no webs.

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 3-10-0.



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

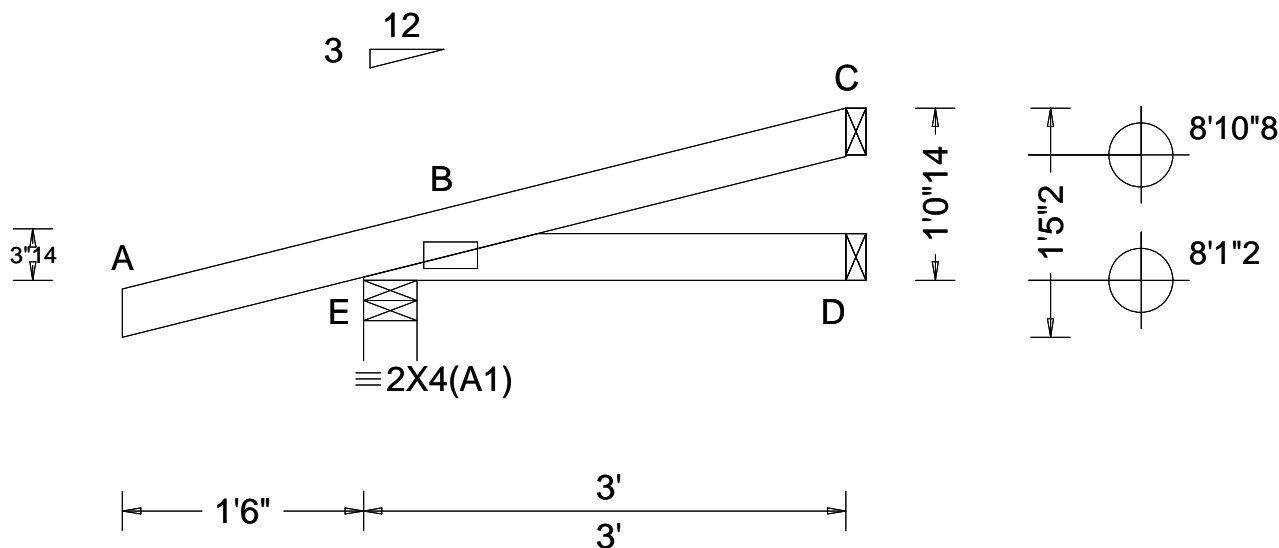
#### **\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!** **\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**

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

SEQN: 660984 FROM: CDM	EJAC Ply: 1 Qty: 3	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J02	Cust: R 215 JRef: 1XG62150001 T59 DrwNo: 157.22.1608.45847 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.058 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 255 - / - /145 /88 /41 D 46 - / - /26 - / - C 59 - / - /27 /24 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

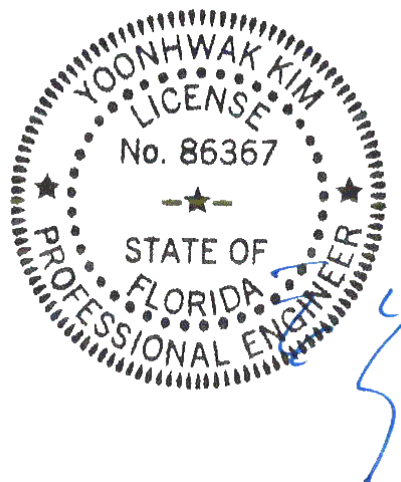
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-0-14.



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

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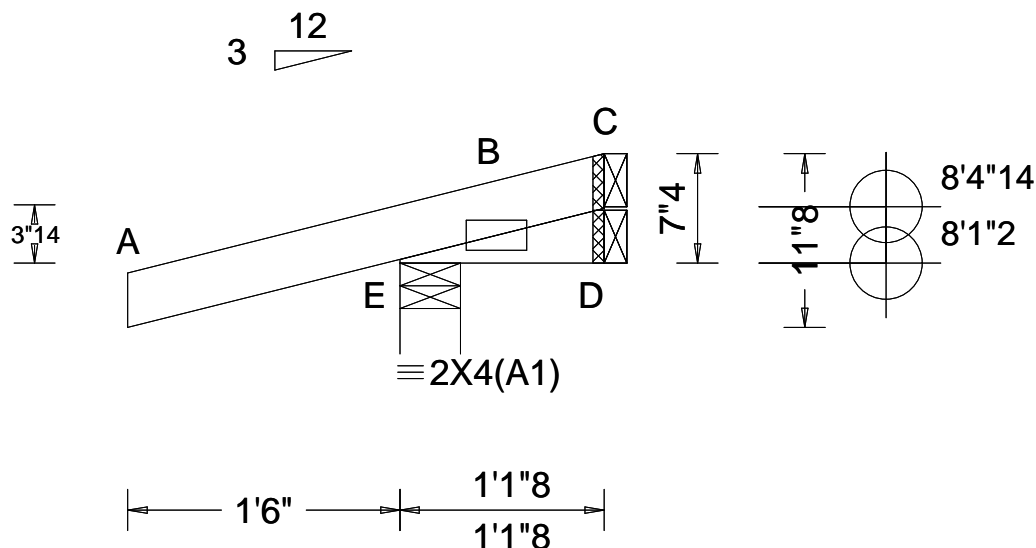
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcacomponents.com](http://sbcacomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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



SEQN: 660538 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J04	Cust: R 215 JRef: 1XG62150001 T65 DrwNo: 157.22.1608.51373 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.193 Max BC CSI: 0.025 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 238 /- /- /143 /115 /27 D 6 /-16 /- /23 /13 /- C - /-34 /- /31 /26 /- Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

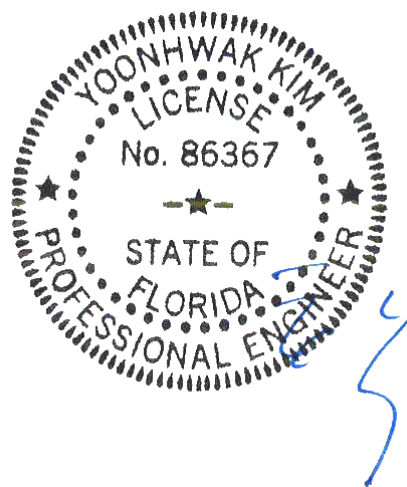
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### 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 0'-7-4.



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

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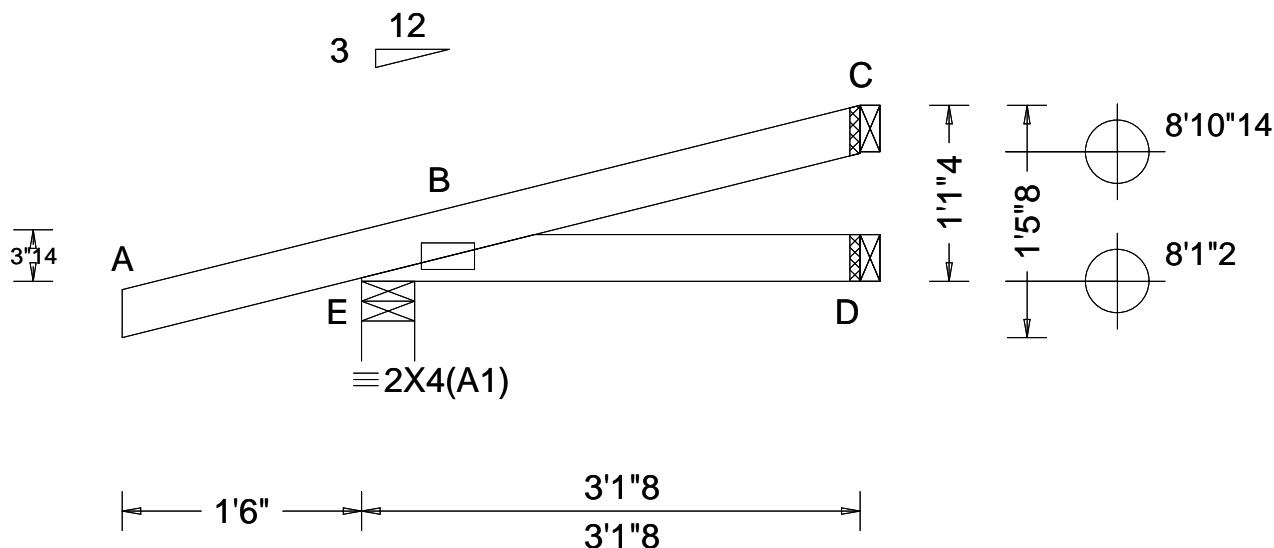
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660540 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J05	Cust: R 215 JRef: 1XG62150001 T64 DrwNo: 157.22.1608.57137 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.252 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 258 - / - /147 /88 /42 D 48 - / - /27 - / - C 63 - / - /28 /25 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

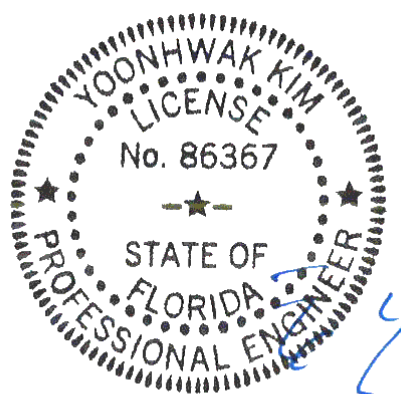
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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

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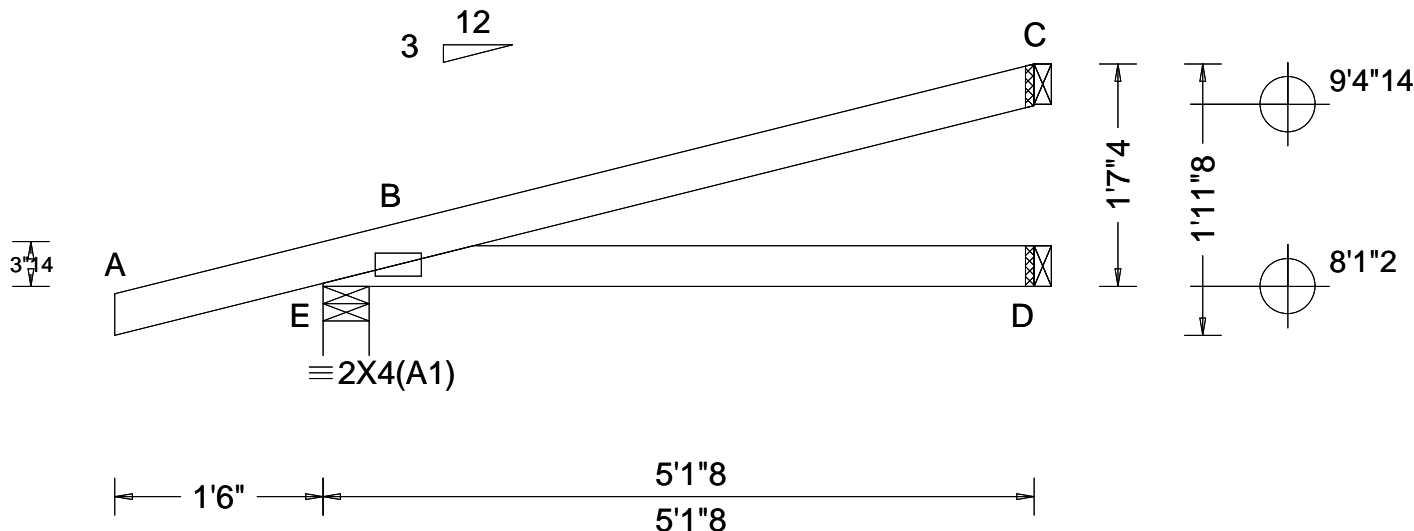
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660546 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J06	Cust: R 215 JRef: 1XG62150001 T63 DrwNo: 157.22.1609.03763 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 B - - HORZ(TL): 0.010 B - - Creep Factor: 2.0 Max TC CSI: 0.383 Max BC CSI: 0.225 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 327 - / - /181 /89 /57 D 89 - / - /49 - / - C 125 - / - /51 /50 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

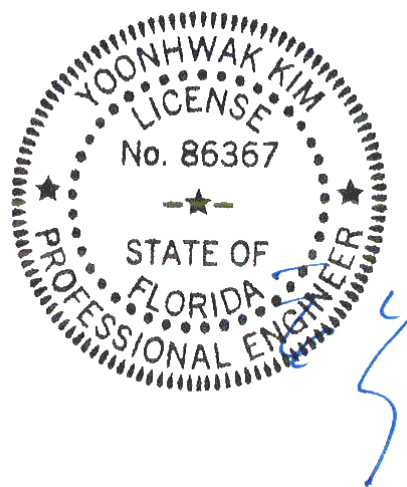
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-7-4.



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

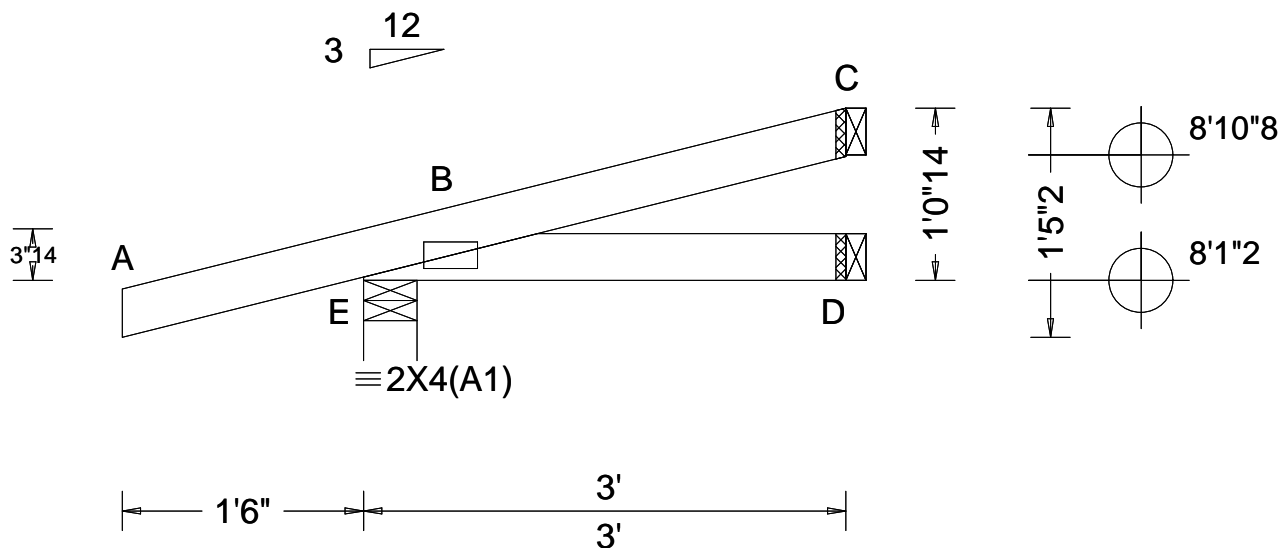
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660542 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J08	Cust: R 215 JRef: 1XG62150001 T68 DrwNo: 157.22.1609.16253 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.147 Max BC CSI: 0.058 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 255 - / - /145 /88 /41 D 46 - / - /26 - / - C 59 - / - /27 /24 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - 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;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-0-14.



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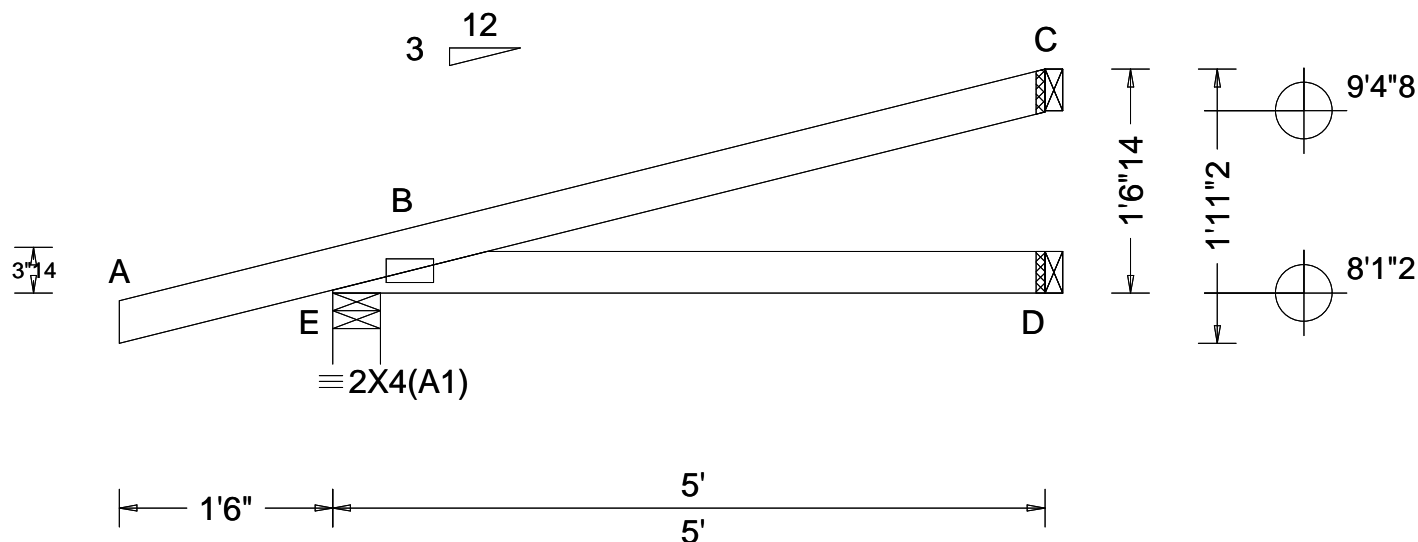
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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

SEQN: 660544 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J09	Cust: R 215 JRef: 1XG62150001 T67 DrwNo: 157.22.1609.19443 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 B - - HORZ(TL): 0.009 B - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.212 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E 323 - / - /179 /88 /56 D 86 - / - /47 - / - C 121 - / - /50 /49 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

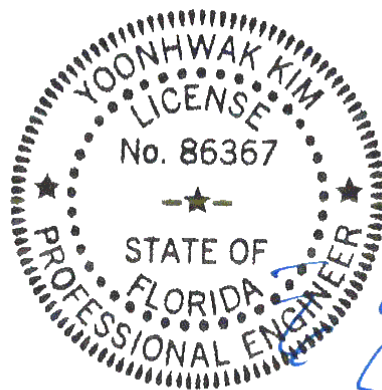
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-6-14.



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

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

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

- Side Elevation:** Shows a truss with joints A, B, C, D, and E. A horizontal member AD is supported by a vertical member DE, which is labeled  $\equiv 2 \times 4 (A1)$ . The roof members are AB and BC. A slope triangle indicates a 3:12 pitch.
- Dimensions:**
  - Horizontal distance from A to D: 7'.
  - Horizontal distance from E to D: 1'6".
  - Vertical height of D above E: 2'0"14.
  - Vertical height of C above D: 2'5"2.
- End Elevation:** Shows two circular cross-sections representing the roof members. The top circle has a diameter of 9'10"8, and the bottom circle has a diameter of 8'1"2.

FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999-007

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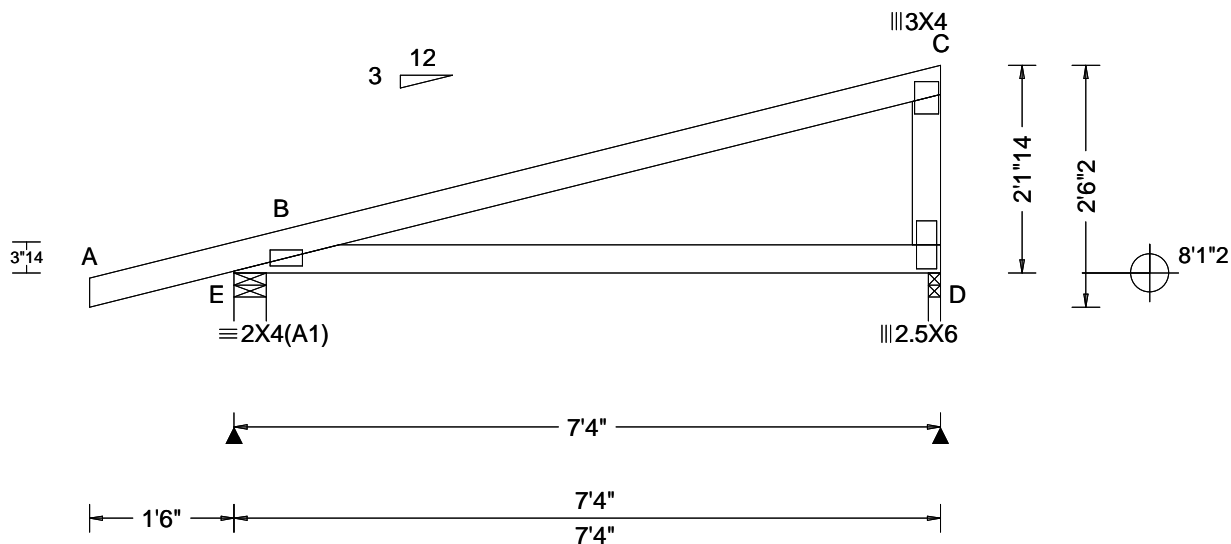
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SEQN: 660592 FROM: CDM	EJAC Ply: 1 Qty: 2	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J11	Cust: R 215 JRef: 1XG62150001 T70 DrwNo: 157.22.1609.30410 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 B - - HORZ(TL): 0.030 B - - Creep Factor: 2.0 Max TC CSI: 0.750 Max BC CSI: 0.486 Max Web CSI: 0.345 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E 411 /- /- /224 /94 /75 D 277 /- /- /147 /59 /- Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = 1.5 (Truss) Bearings E & D are a rigid surface. Members not listed have forces less than 375#

#### Lumber

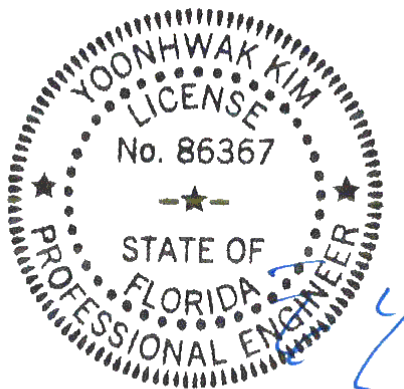
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-14.



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

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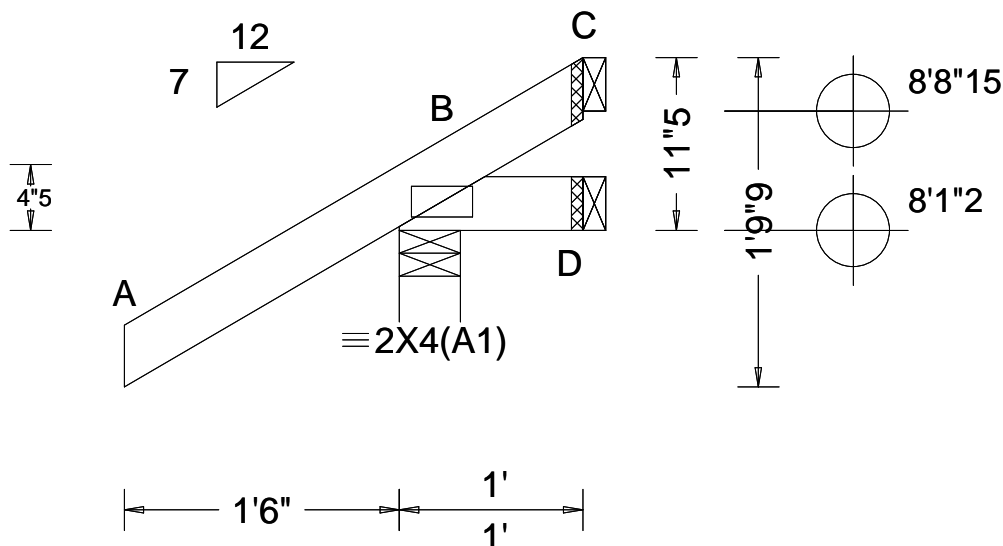
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660663 FROM: CDM	JACK Ply: 1 Qty: 5	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J12	Cust: R 215 JRef: 1XG62150001 T15 DrwNo: 157.22.1609.33957 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /55 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

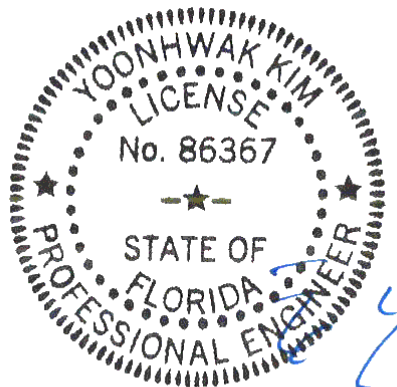
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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

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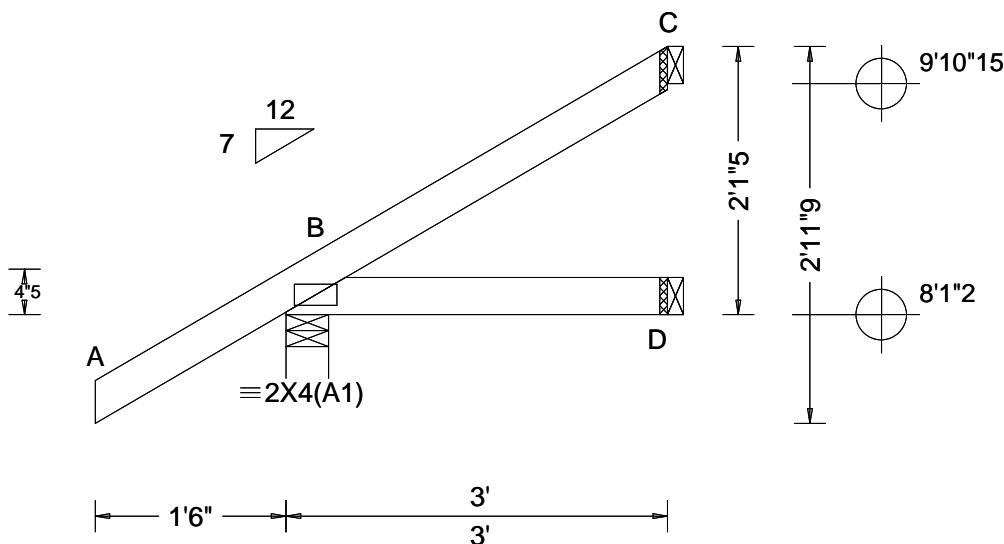
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660665 FROM: CDM	JACK Qty: 5	Ply: 1 Qty: 5	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J13	Cust: R 215 JRRef: 1XG62150001 T14 DrwNo: 157.22.1609.40157 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /192 /36 /86 D 50 /- /- /32 /- /- C 63 /- /- /38 /38 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

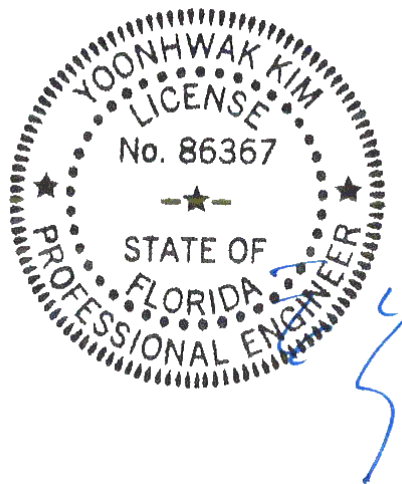
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-5.



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

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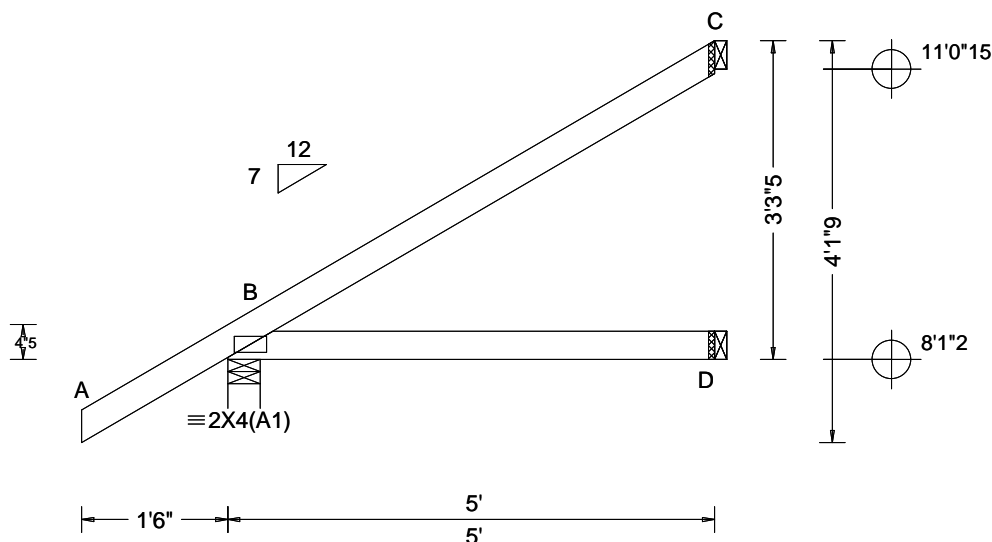
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660667 FROM: CDM	JACK Qty: 5	Ply: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J14	Cust: R 215 JRef: 1XG62150001 T13 DrwNo: 157.22.1609.43767 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.327 Max BC CSI: 0.237 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

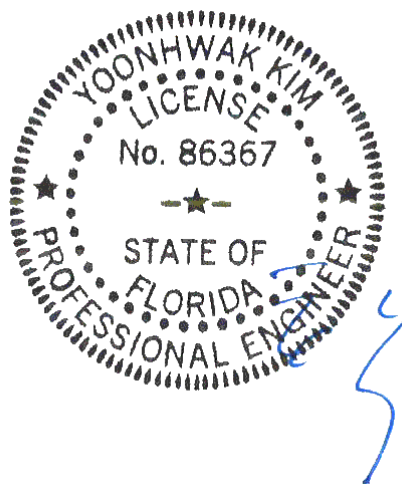
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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

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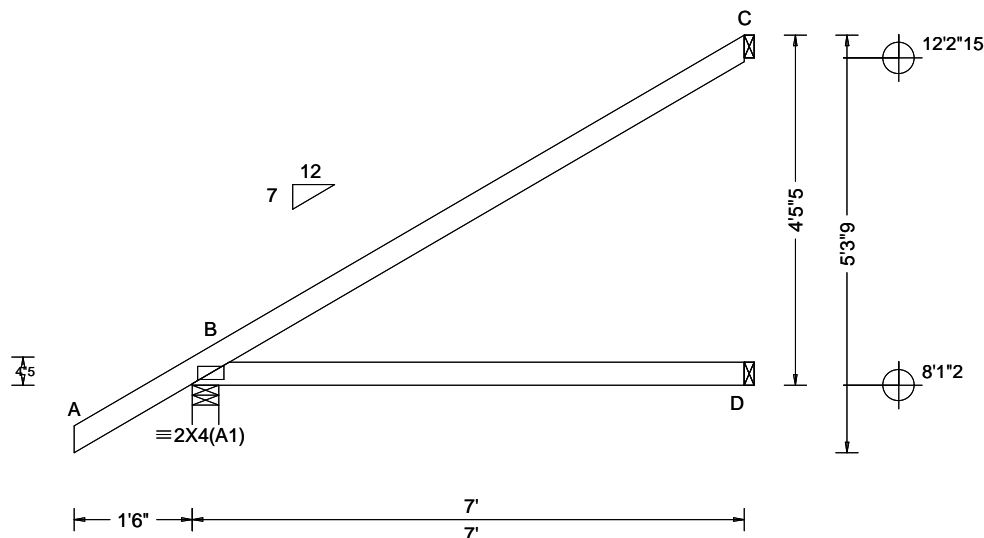
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SEQN: 660669 FROM: CDM	EJAC Ply: 1 Qty: 4	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J15	Cust: R 215 JRef: 1XG62150001 T16 DrwNo: 157.22.1609.46653 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.014 B - - HORZ(TL): 0.027 B - - Creep Factor: 2.0 Max TC CSI: 0.730 Max BC CSI: 0.520 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 412 - / - / - /279 /34 /168 D 130 - / - / - /73 - / - C 190 - / - / - /124 /103 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

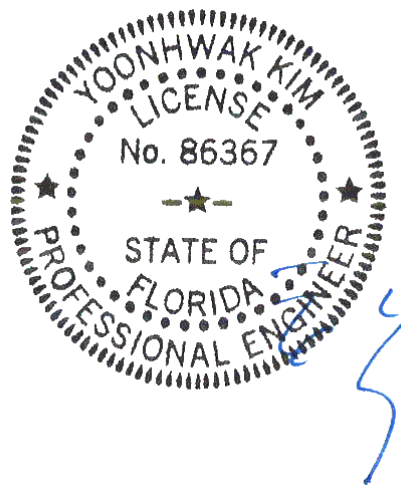
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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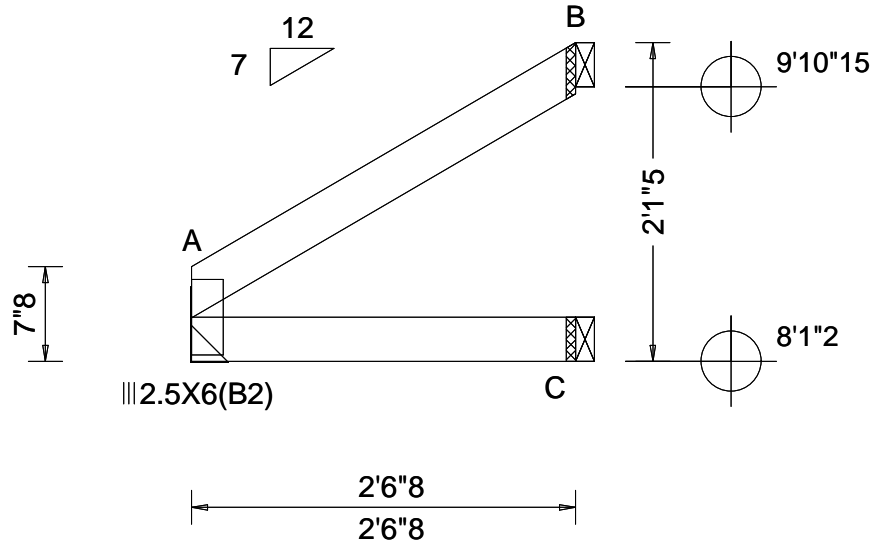
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660571 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J16	Cust: R 215 JRef: 1XG62150001 T83 DrwNo: 157.22.1609.49120 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B - - HORZ(TL): 0.002 A - - Creep Factor: 2.0 Max TC CSI: 0.120 Max BC CSI: 0.066 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 106 /- /- /66 /2 /55 C 50 /- /- /27 /- /- B 77 /- /- /52 /46 /- Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375#

#### Lumber

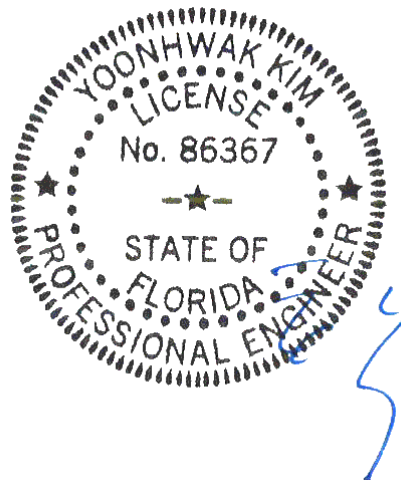
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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

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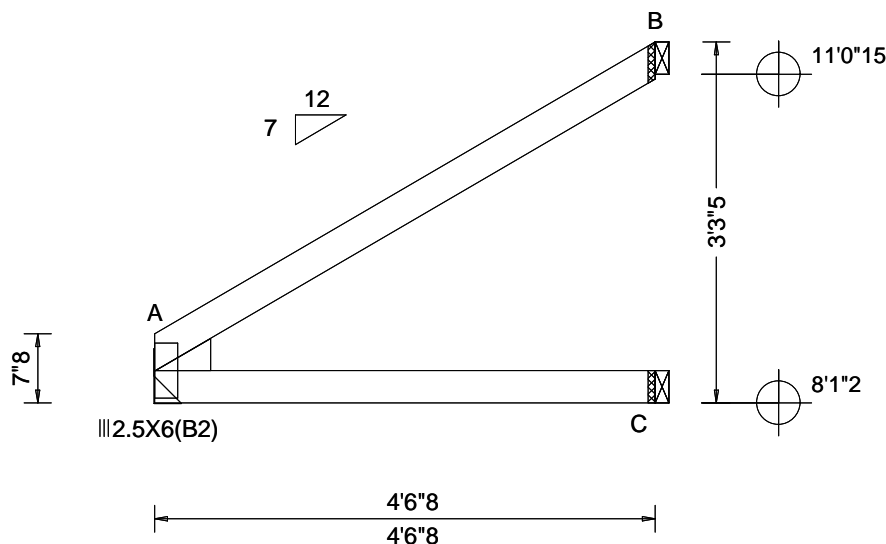
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 660573 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J17	Cust: R 215 JRef: 1XG62150001 T80 DrwNo: 157.22.1609.52570 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 A - - HORZ(TL): 0.009 A - - Creep Factor: 2.0 Max TC CSI: 0.383 Max BC CSI: 0.232 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 189 - / - /118 /4 /96 C 89 - / - /50 - / - B 136 - / - /90 /77 - Wind reactions based on MWFRS A Brg Wid = - Min Req = - C Brg Wid = 1.5 Min Req = - B Brg Wid = 1.5 Min Req = - Members not listed have forces less than 375#

#### Lumber

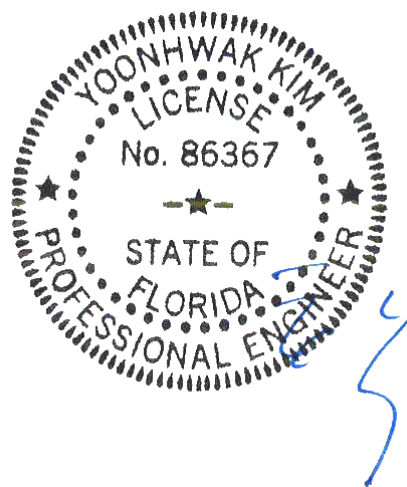
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Lt Wedge: 2x4 SP #3;

#### 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 3-3-5.



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Florida Certificate of Product Approval #FL 1999

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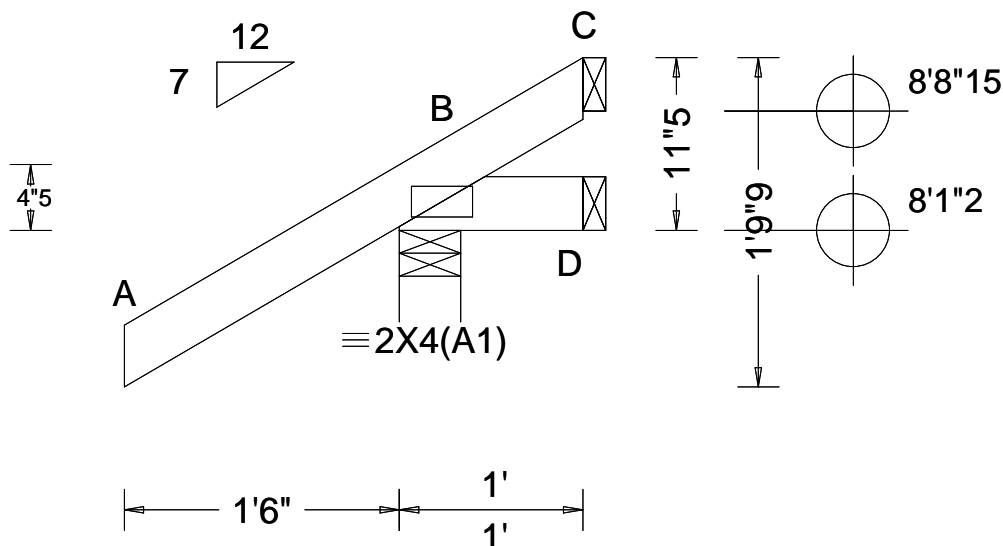
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660503 FROM: CDM	EJAC Ply: 1 Qty: 15	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J18	Cust: R 215 JRef: 1XG62150001 T19 DrwNo: 157.22.1609.55217 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /55 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

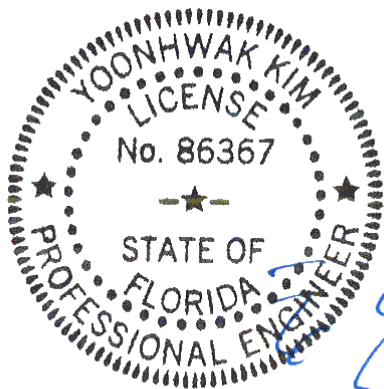
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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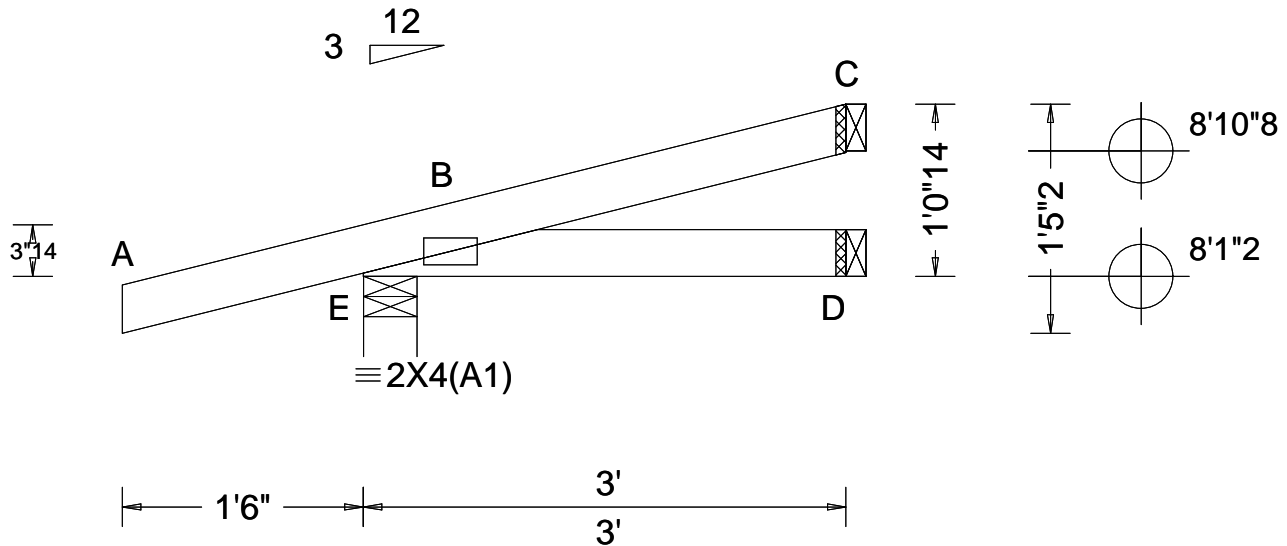
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E 255 /- /- /145 /88 /41
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B - -	D 46 /- /- /26 /- /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.001 B - -	C 59 /- /- /27 /24 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.147	E Brg Wid = 4.0 Min Req = 1.5 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.058	D Brg Wid = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Wid = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing E is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	

## Lumber

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

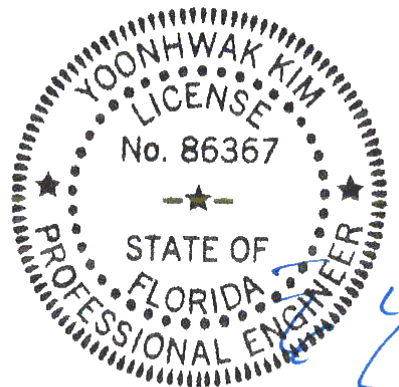
## Wind

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

Wind loading based on both gable and hip roof types.

### Additional Notes

The overall height of this truss excluding overhang is 1-0-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999-0607-0011

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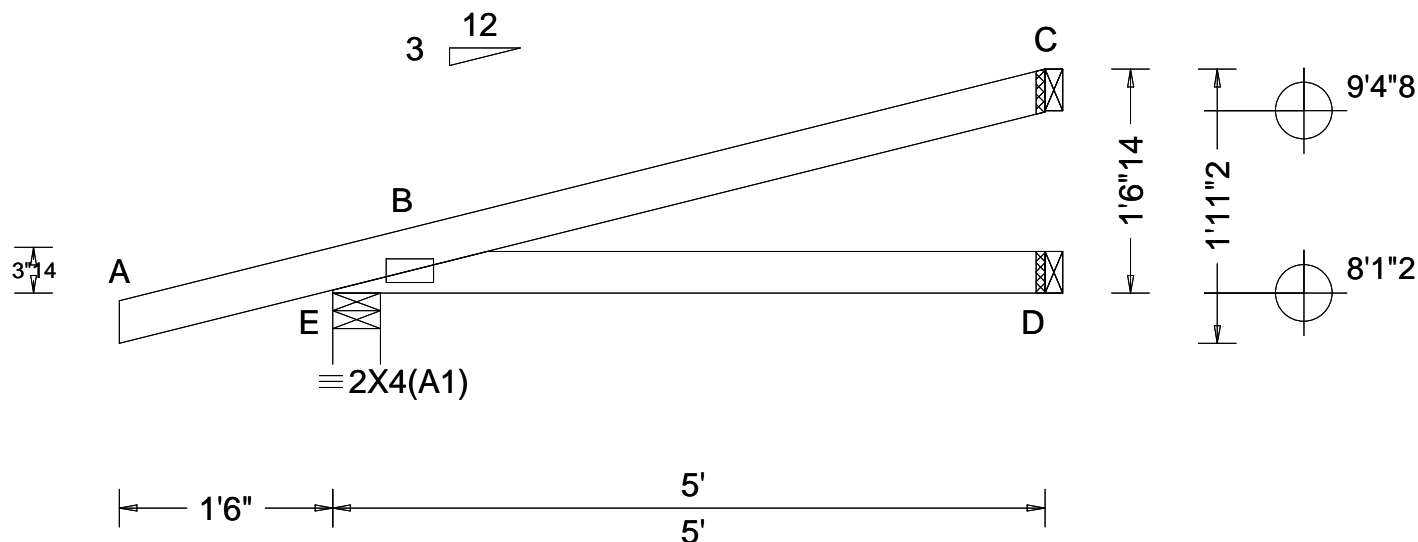
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660682 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J21	Cust: R 215 JRef: 1XG62150001 T52 DrwNo: 157.22.1610.25487 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.005 B - - HORZ(TL): 0.009 B - - Creep Factor: 2.0 Max TC CSI: 0.278 Max BC CSI: 0.212 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E 323 - / - /179 /88 /56 D 86 - / - /47 - / - C 121 - / - /50 /49 - Wind reactions based on MWFRS E Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing E is a rigid surface. Members not listed have forces less than 375#

#### Lumber

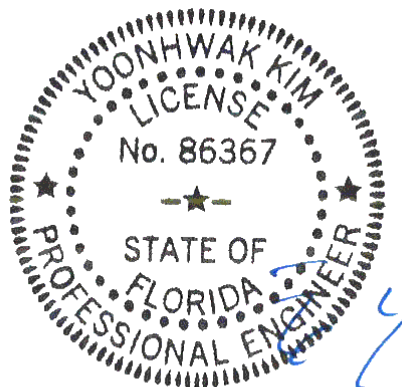
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 1'-6-14.



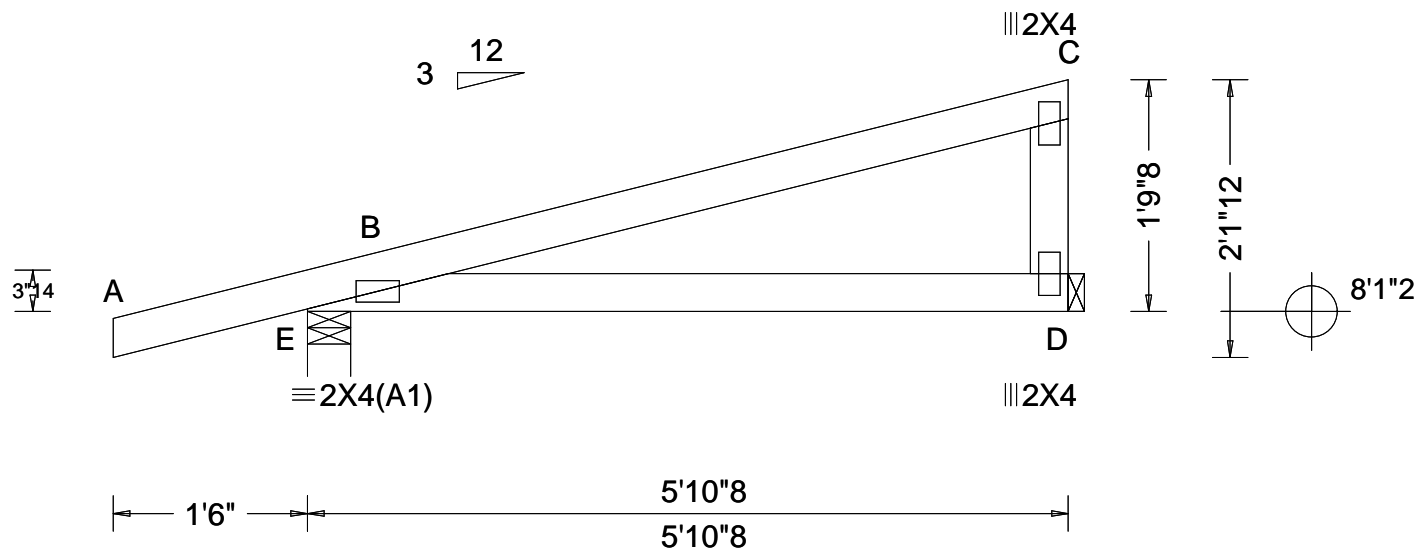
FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E 355 /- /- /195 /90 /63
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.007 B - -	D 216 /- /- /116 /46 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.014 B - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	E Brg Wid = 4.0 Min Req = 1.5 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.385	D Brg Wid = 1.5 Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.292	Bearing E is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.143	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		
	GCpi: 0.18			
	Wind Duration: 1.60	WAVE	VIEW Ver: 21.02.01.1214.12	

## Lumber

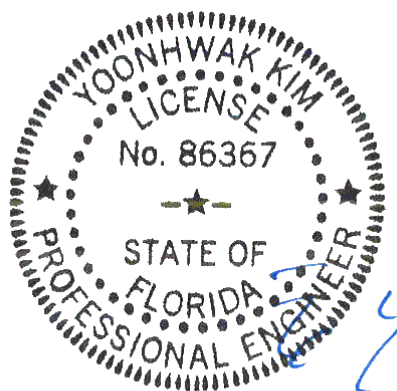
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;  
Webs: 2x4 SP #3;

### Wind

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

### Additional Notes

The overall height of this truss excluding overhang is 1-9-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367  
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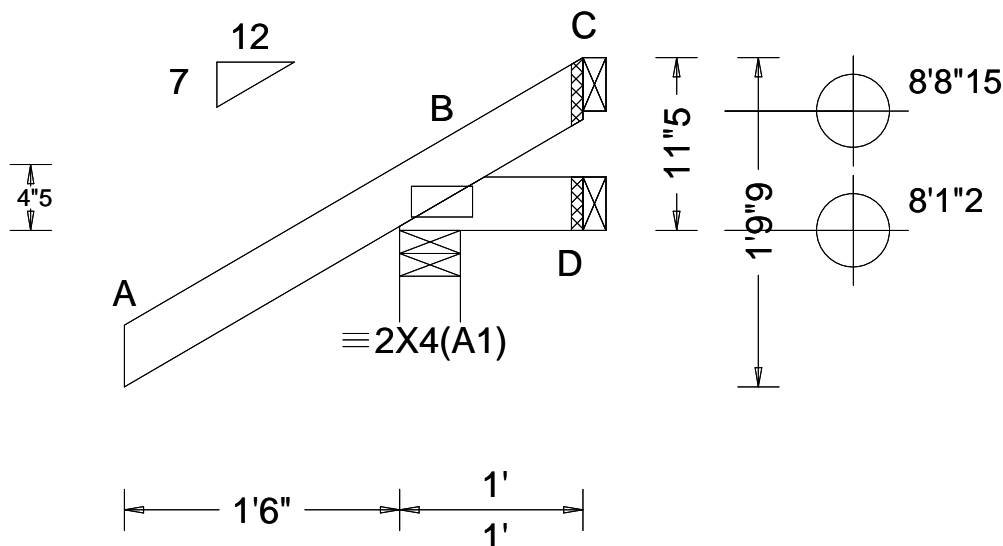
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660475 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J23	Cust: R 215 JRef: 1XG62150001 T8 DrwNo: 157.22.1610.35620 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /208 /62 /44 D 5 /-17 /- /15 /16 /- C - /-56 /- /35 /55 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

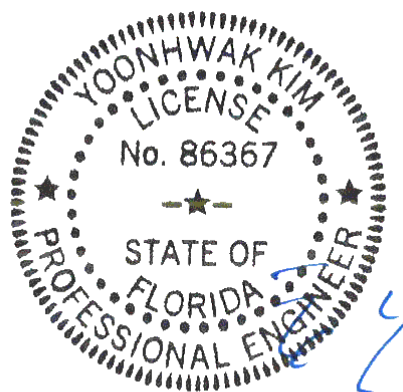
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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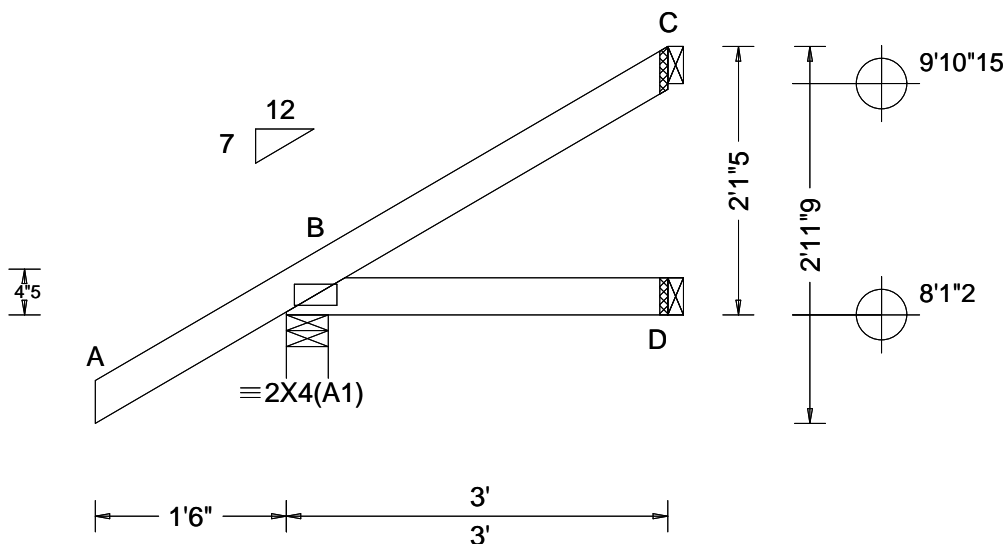
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 660479 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J24	Cust: R 215 JRef: 1XG62150001 T7 DrwNo: 157.22.1610.55317 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 /- /- /192 /36 /86 D 50 /- /- /32 /- /- C 63 /- /- /38 /38 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

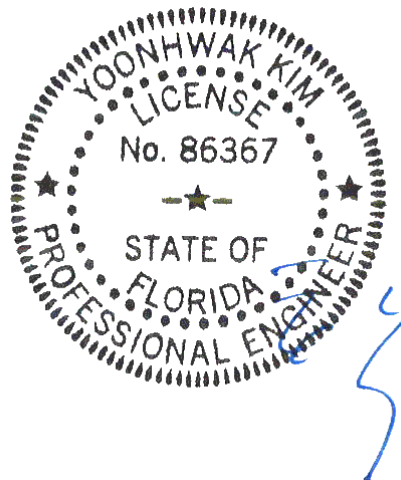
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-5.

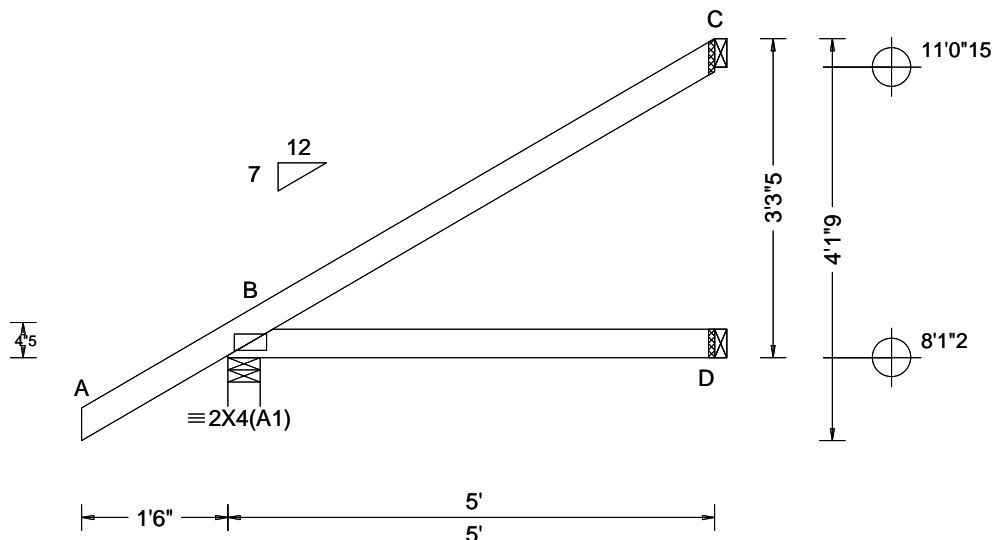


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660483 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J25	Cust: R 215 JRRef: 1XG62150001 T6 DrwNo: 157.22.1610.58067 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 - / - /232 /34 /127 D 90 - / - /52 - / - C 129 - / - /83 /71 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

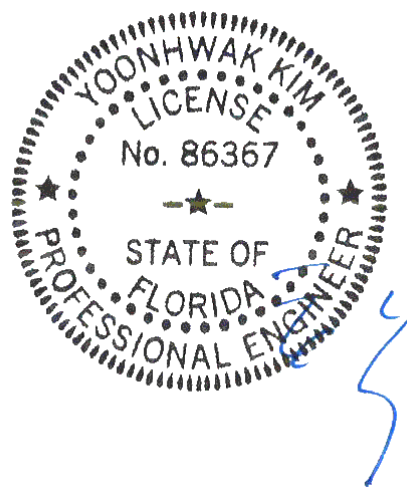
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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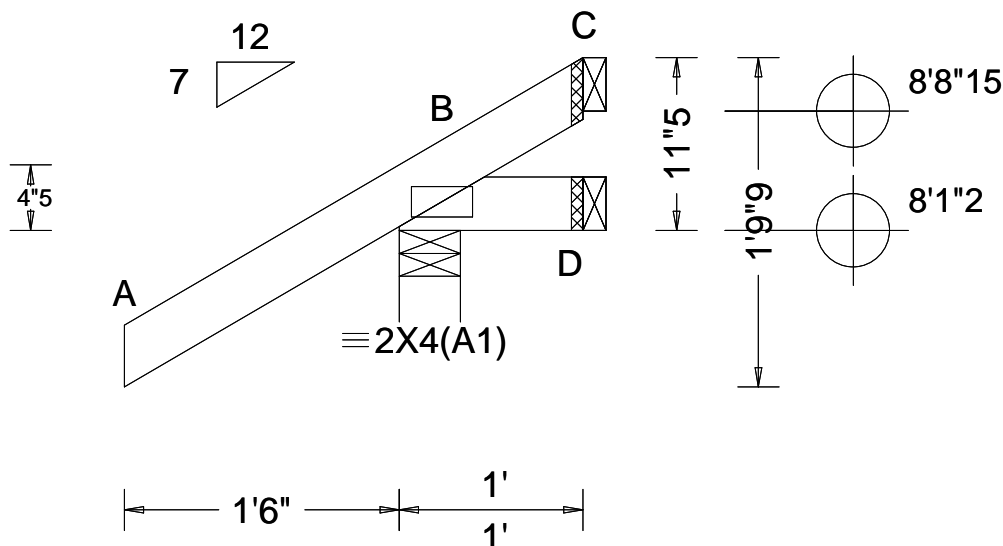
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660477 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J26	Cust: R 215 JRef: 1XG62150001 T11 DrwNo: 157.22.1611.02033 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /54 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

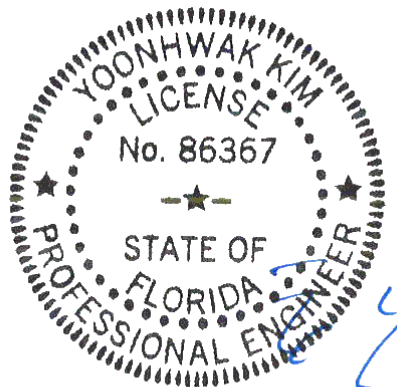
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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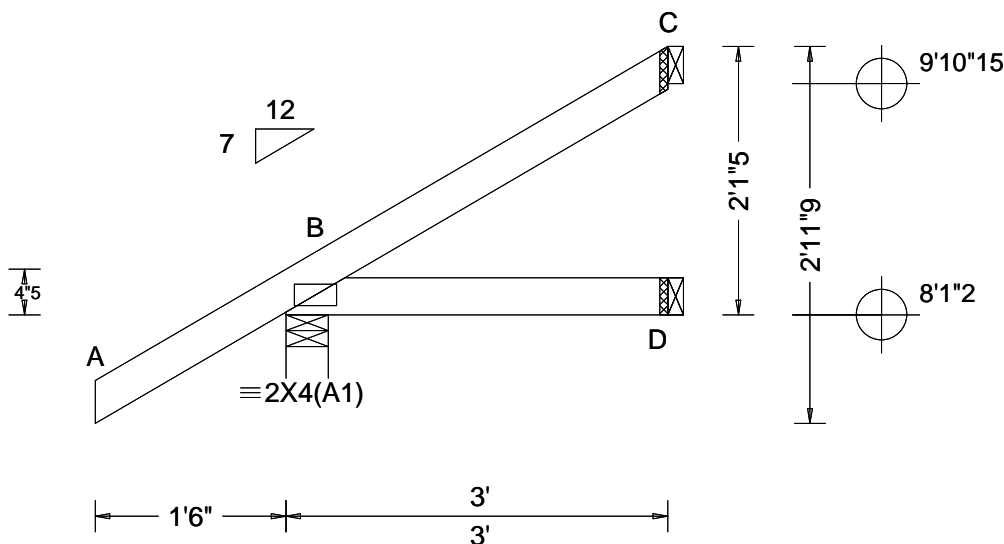
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660481 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J27	Cust: R 215 JRRef: 1XG62150001 T10 DrwNo: 157.22.1611.04713 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 - / - /192 /36 /86 D 50 - / - /32 - / - C 63 - / - /38 /38 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

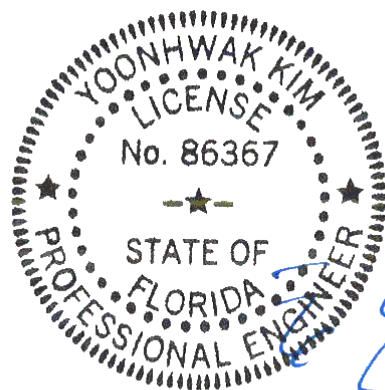
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-5.



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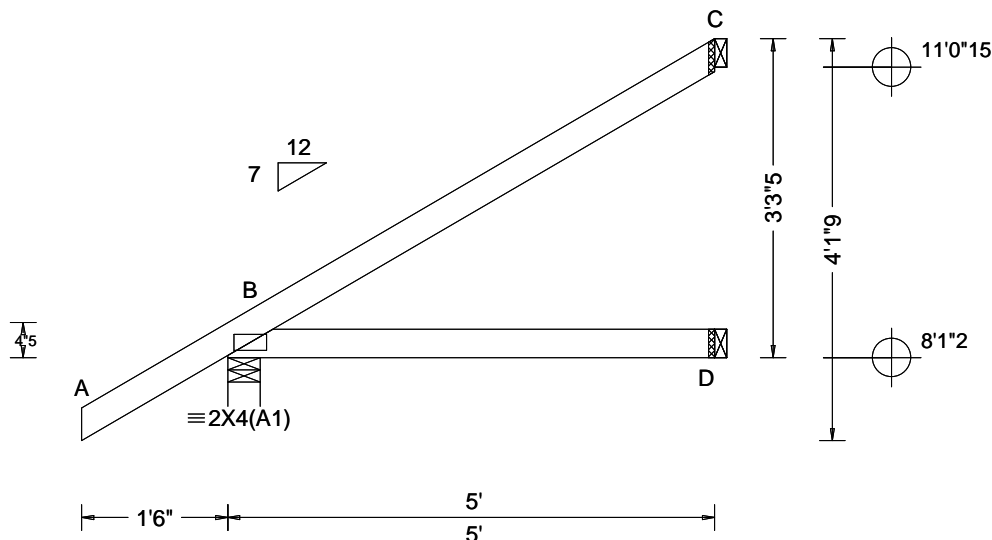
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660485 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J28	Cust: R 215 JRRef: 1XG62150001 T9 DrwNo: 157.22.1611.09440 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

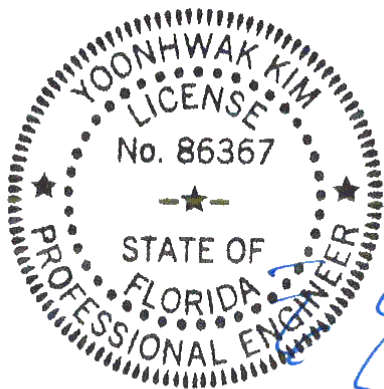
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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

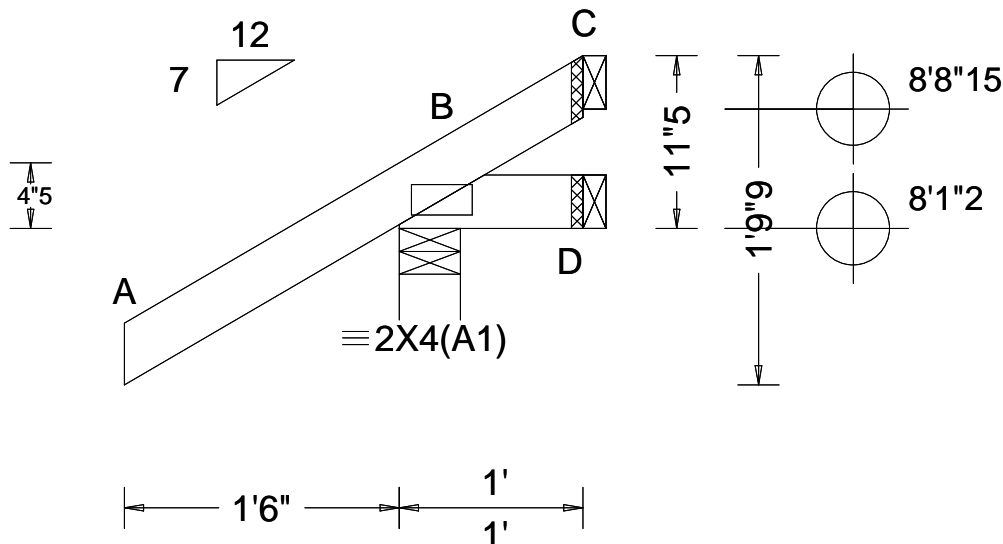


FL REG# 278, Yoonhwak Kim, FL PE #86367  
Florida Certificate of Product Approval #FL 1999

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

SEQN: 660417 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J29	Cust: R 215 JRef: 1XG62150001 T41 DrwNo: 157.22.1611.11600 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.242 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /207 /62 /44 D 5 /-17 /- /15 /16 /- C - /-55 /- /35 /54 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

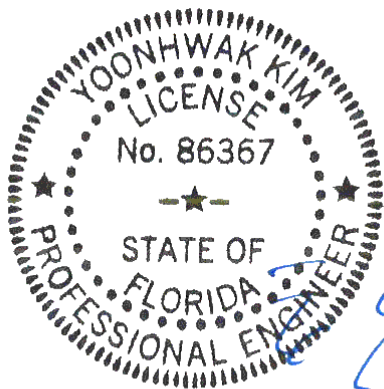
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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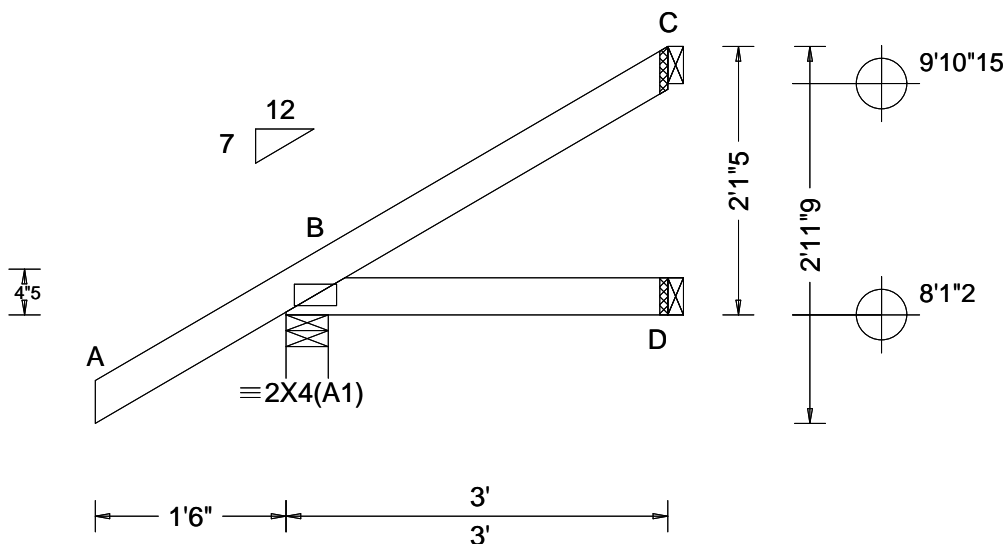
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



SEQN: 660421 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J30	Cust: R 215 JRRef: 1XG62150001 T40 DrwNo: 157.22.1611.18060 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 - / - /192 /36 /86 D 50 - / - /32 - / - C 63 - / - /38 /38 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

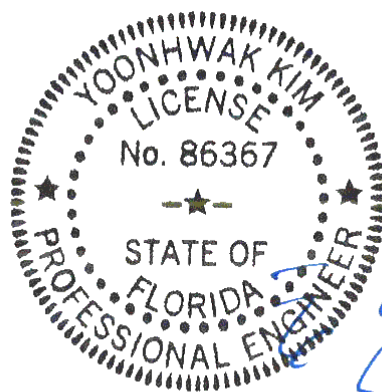
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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Florida Certificate of Product Approval #FL 1999

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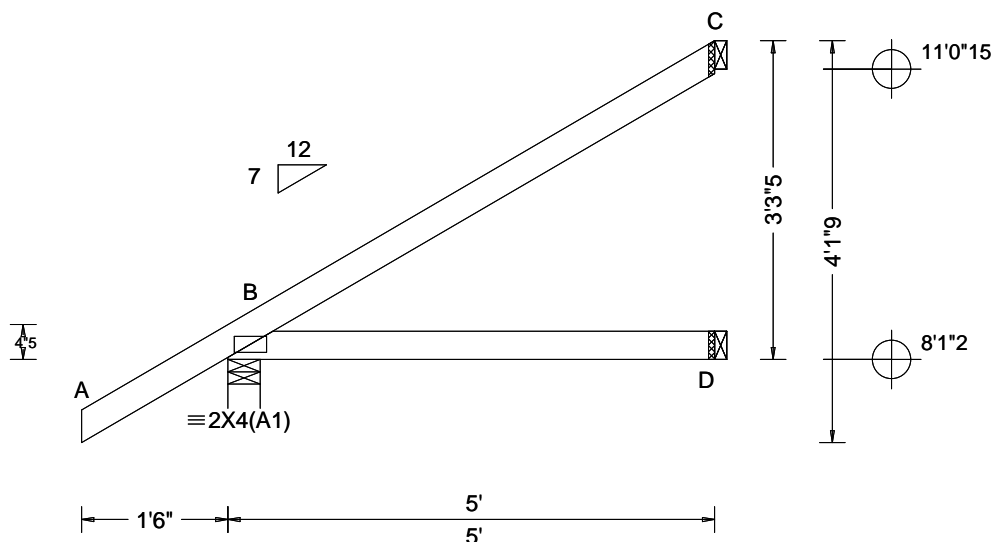
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660425 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J31	Cust: R 215 JRef: 1XG62150001 T39 DrwNo: 157.22.1611.20193 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 - / - / - /232 /34 /127 D 90 - / - / - /52 - / - C 129 - / - / - /83 /71 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

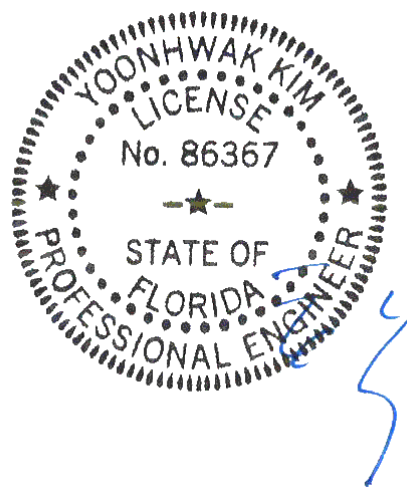
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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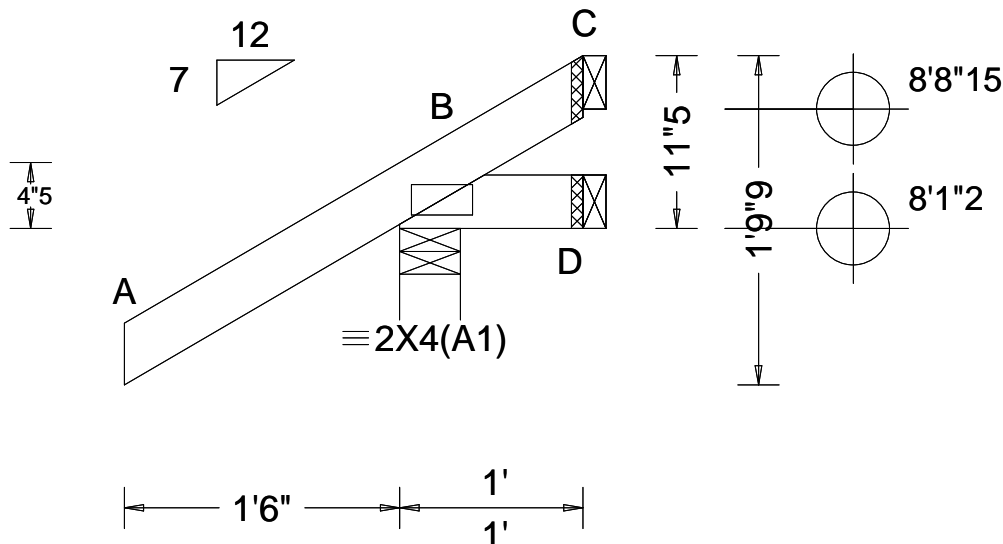
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660415 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J32	Cust: R 215 JRef: 1XG62150001 T44 DrwNo: 157.22.1611.29757 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 257 /- /- /208 /62 /44 D 5 /-17 /- /15 /16 /- C - /-56 /- /35 /55 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

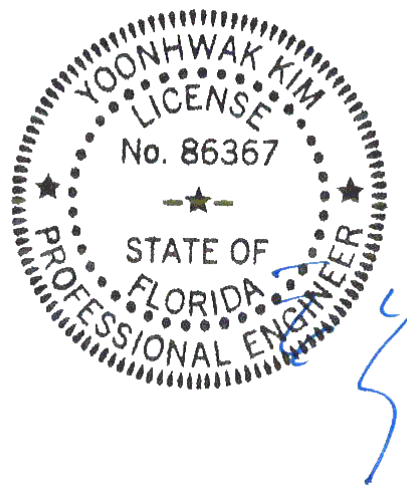
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-5.



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

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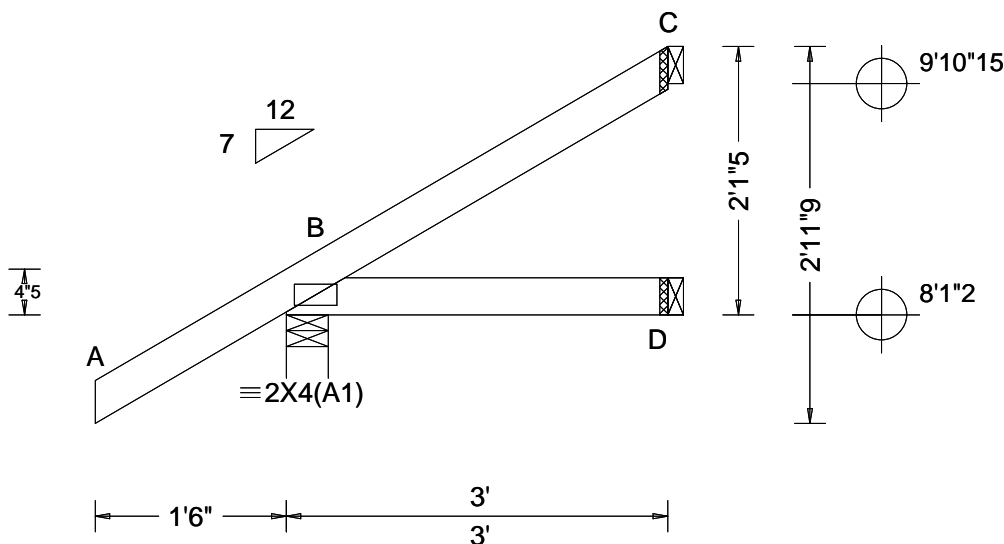
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660419 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J33	Cust: R 215 JRRef: 1XG62150001 T43 DrwNo: 157.22.1611.32407 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 265 - / - /192 /36 /86 D 50 - / - /32 - / - C 63 - / - /38 /38 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

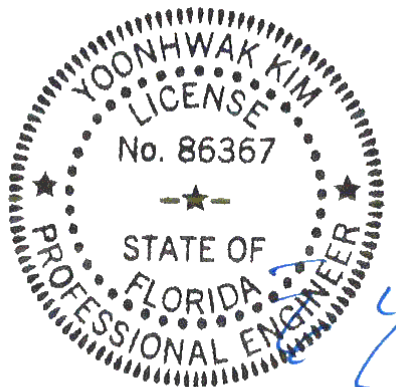
#### Wind

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

Wind loading based on both gable and hip roof types.

#### Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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Florida Certificate of Product Approval #FL 1999

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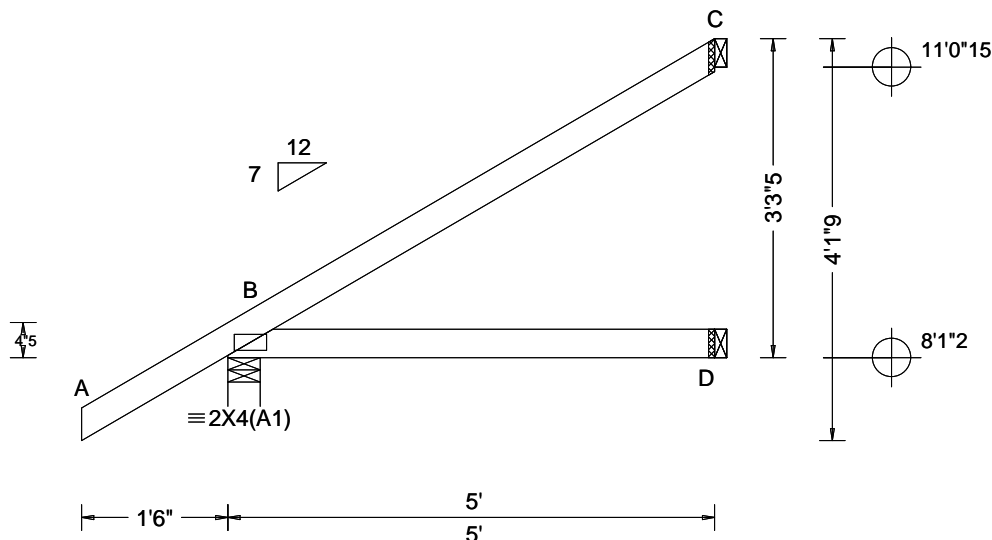
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155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660423 FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J34	Cust: R 215 JRef: 1XG62150001 T42 DrwNo: 157.22.1611.34853 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.328 Max BC CSI: 0.238 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 335 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

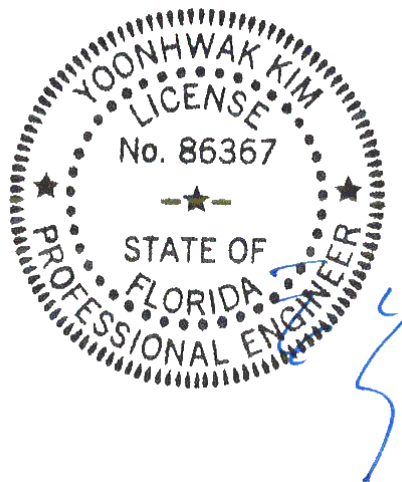
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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

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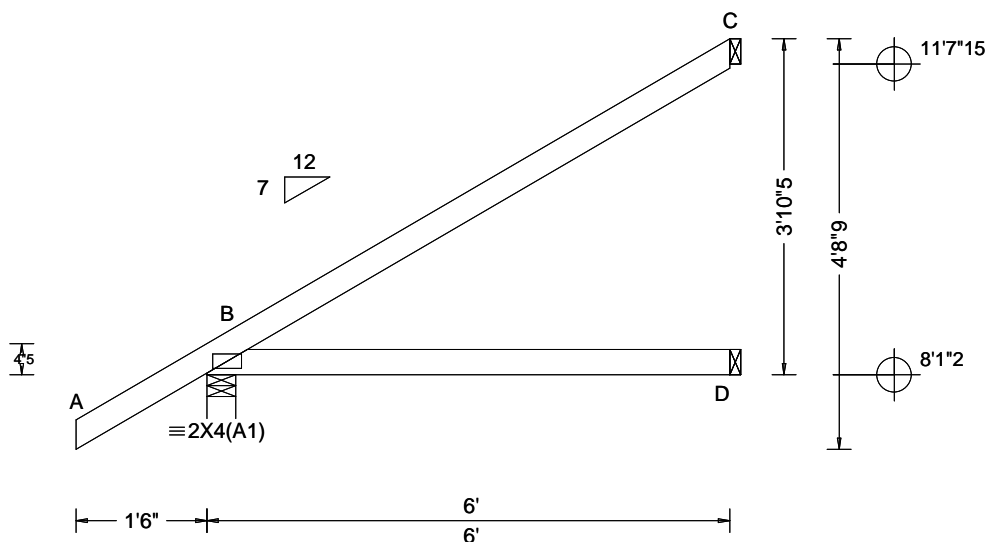
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SEQN: 660675 FROM: CDM	EJAC Ply: 1 Qty: 16	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J35	Cust: R 215 JRef: 1XG62150001 T38 DrwNo: 157.22.1611.40370 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.008 B - - HORZ(TL): 0.016 B - - Creep Factor: 2.0 Max TC CSI: 0.504 Max BC CSI: 0.365 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 373 - / - /255 /33 /147 D 110 - / - /62 - / - C 160 - / - /104 /87 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

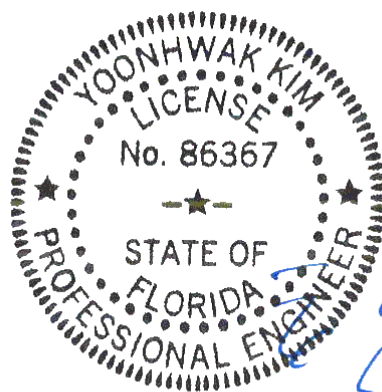
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 3-10-5.



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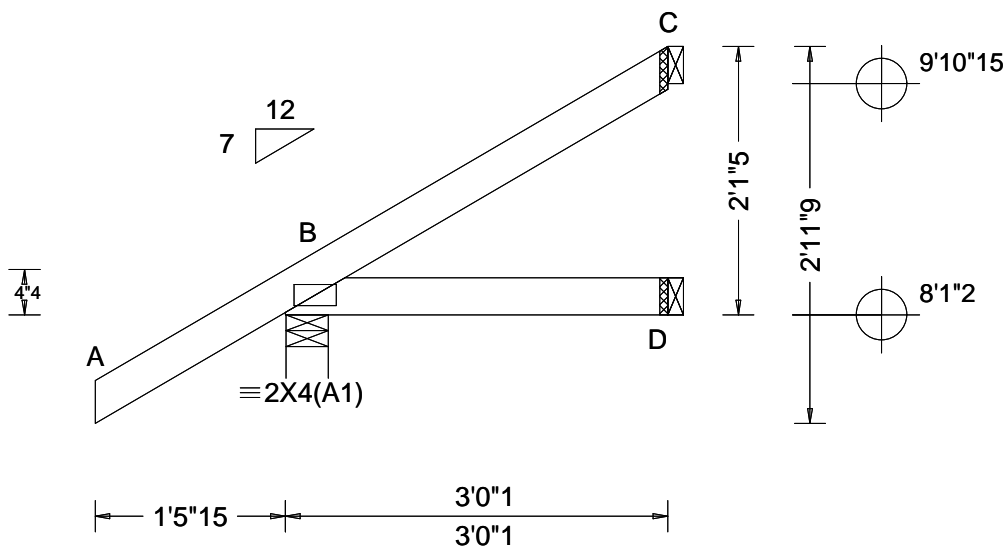


155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025





SEQN: 660407 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J37	Cust: R 215 JRRef: 1XG62150001 T32 DrwNo: 157.22.1611.46270 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.186 Max BC CSI: 0.074 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 252 /- /- /182 /33 /86 D 53 /- /- /34 /- /- C 71 /- /- /44 /40 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

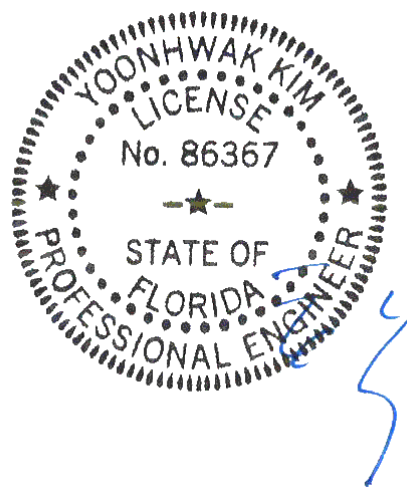
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2-1-5.



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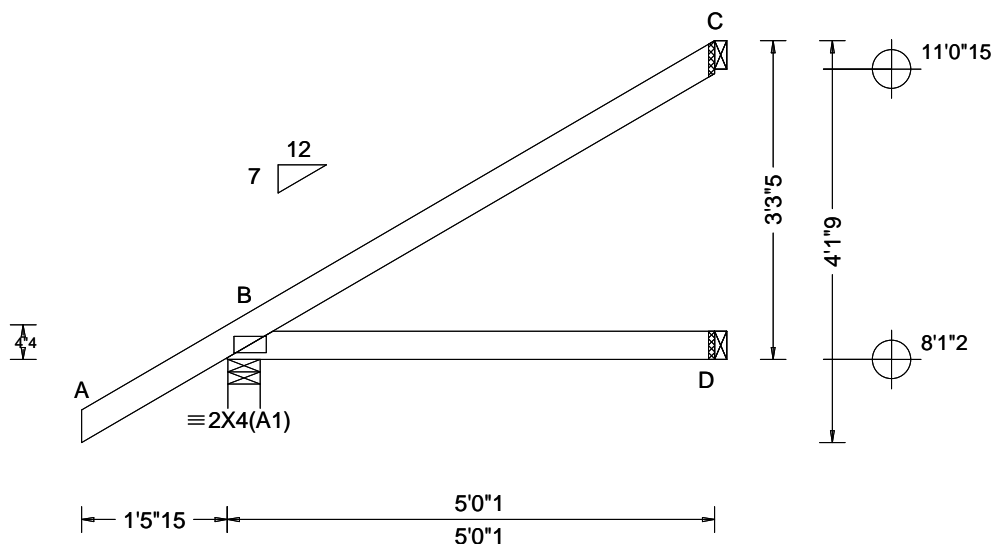
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Glenview, IL 60025

SEQN: 660411 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J38	Cust: R 215 JRef: 1XG62150001 T31 DrwNo: 157.22.1611.50130 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.006 B - - HORZ(TL): 0.011 B - - Creep Factor: 2.0 Max TC CSI: 0.344 Max BC CSI: 0.253 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 325 /- /- /225 /32 /127 D 93 /- /- /54 /- /- C 134 /- /- /87 /72 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

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

#### Wind

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

#### Additional Notes

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

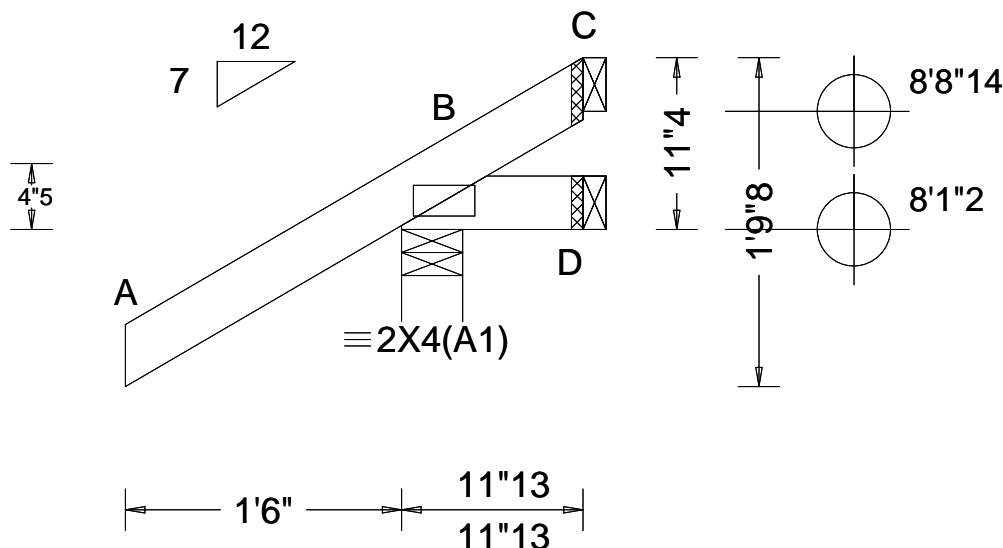


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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660403 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J39	Cust: R 215 JRef: 1XG62150001 T36 DrwNo: 157.22.1611.52443 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.038 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 259 /- /- /209 /63 /44 D 4 /-17 /- /15 /16 /- C - /-57 /- /35 /56 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

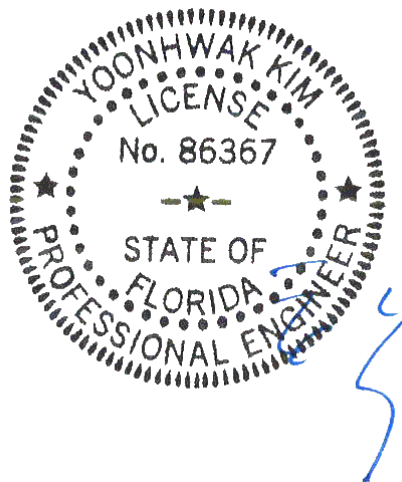
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 0-11-4.



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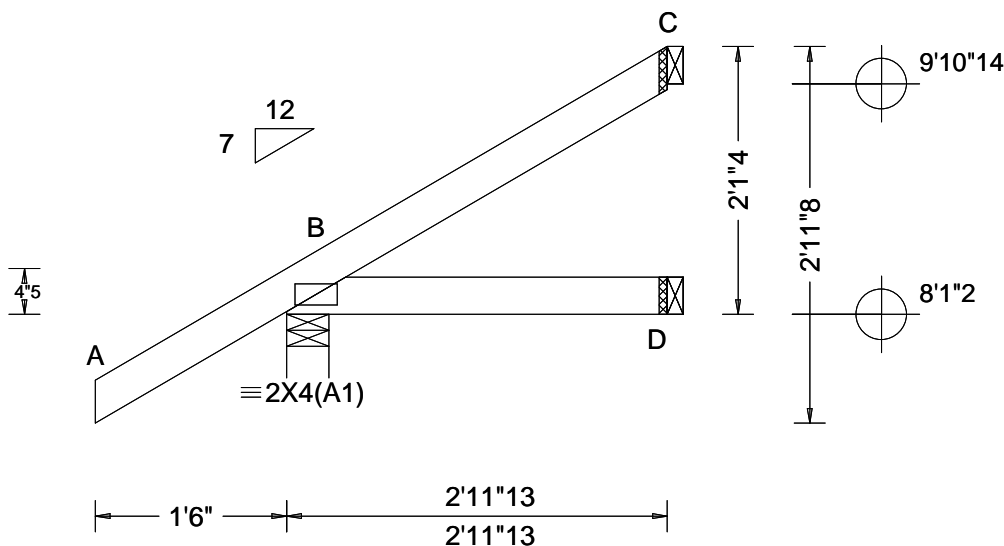
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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

SEQN: 660405 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J40	Cust: R 215 JRef: 1XG62150001 T35 DrwNo: 157.22.1611.55660 GA / YK 06/06/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.187 Max BC CSI: 0.065 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 264 - / - / 192 / 36 / 85 D 49 - / - / 32 - / - C 63 - / - / 37 / 38 - Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

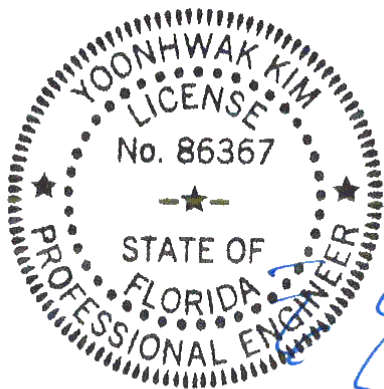
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

The overall height of this truss excluding overhang is 2'-1-4.

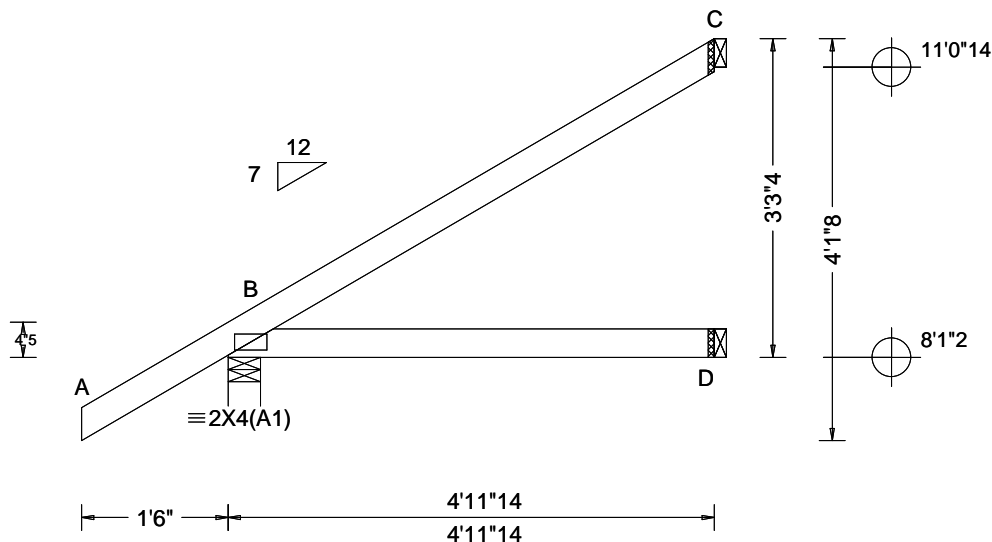


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Florida Certificate of Product Approval #FL 1999

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For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbccomponents.com](http://sbccomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

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

SEQN: 660409 FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 22-7841 Lot 14 JL - Rainbolt Res Truss Label: J41	Cust: R 215 JRRef: 1XG62150001 T34 DrwNo: 157.22.1611.59443 GA / YK 06/06/2022
---------------------------	--------------------------	---	--



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.004 B - - HORZ(TL): 0.008 B - - Creep Factor: 2.0 Max TC CSI: 0.325 Max BC CSI: 0.236 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1214.12	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 334 /- /- /232 /34 /127 D 90 /- /- /52 /- /- C 129 /- /- /83 /71 /- Wind reactions based on MWFRS B Brg Wid = 4.0 Min Req = 1.5 (Truss) D Brg Wid = 1.5 Min Req = - C Brg Wid = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

#### Lumber

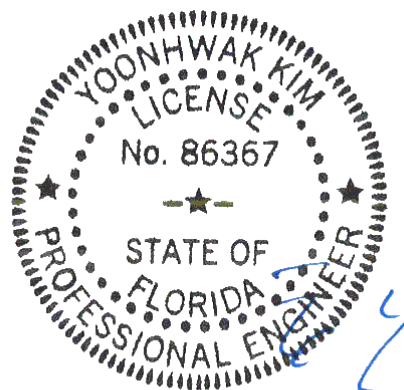
Top chord: 2x4 SP #2;  
Bot chord: 2x4 SP #2;

#### Wind

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

#### Additional Notes

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



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

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



# Gable Stud Reinforcement Detail

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

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

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

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

Max Gable Vertical Length	2x4 Gable Vertical		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"
	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"
		Standard	#1 / #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' 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	#1 / #2	#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"
		Standard	#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"
			Stud	4' 8"	6' 5"	6' 10"	8' 7"	9' 2"	11' 7"	12' 1"	13' 6"	14' 0"	14' 0"	14' 0"
	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"
		Standard	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	#1	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 1"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 1"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	#1 / #2	#1	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 1"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	5' 3"	8' 5"	9' 0"	10' 9"	11' 2"	12' 10"	13' 4"	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

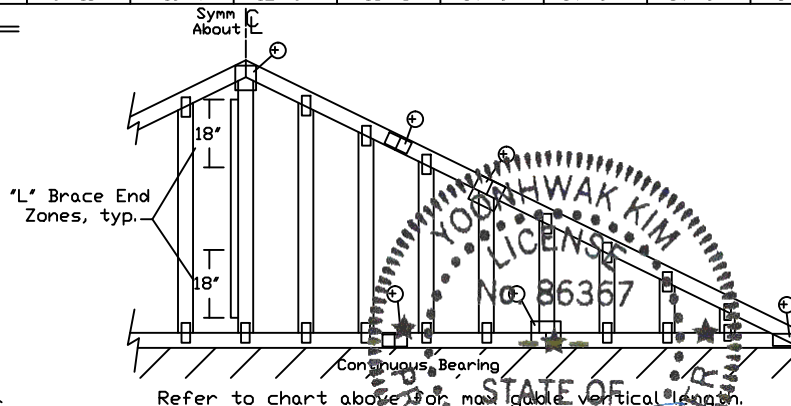
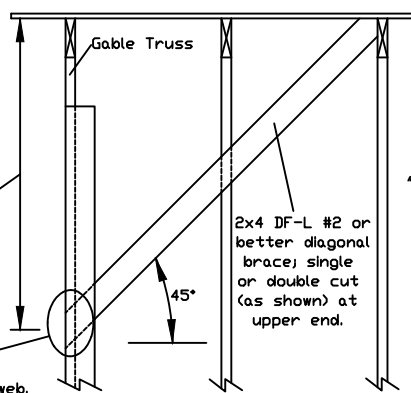
+ Refer to common truss design for peak, splice, and heel plates.

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.



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

Yoonhwak Kim, FL PE #86367

MAX. TOT. LD. 60 PSF

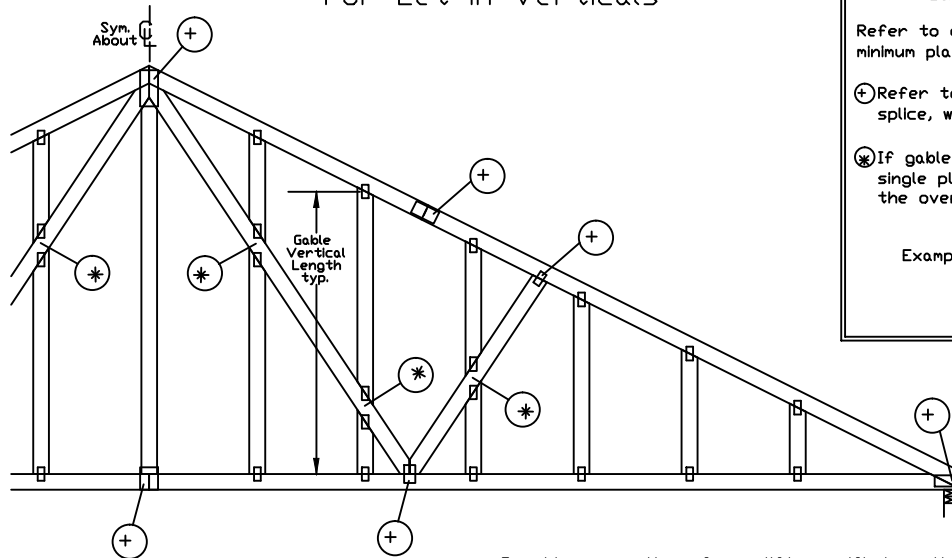
MAX. SPACING 24.0"

REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015ENC160118

# Gable Detail For Let-in Verticals

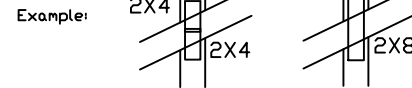


## Gable Truss Plate Sizes

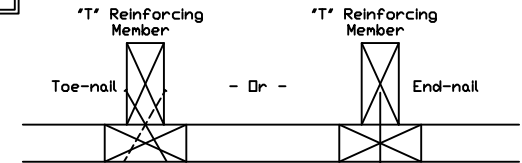
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

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



## '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.

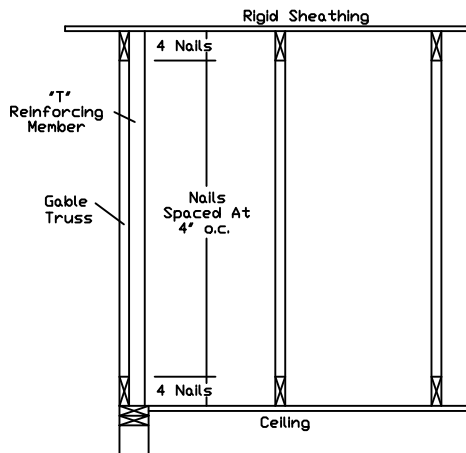
## ASCE 7-05 Gable Detail Drawings

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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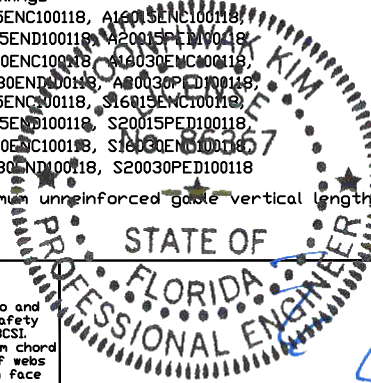
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**ALPINE**  
AN ITW COMPANY

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



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

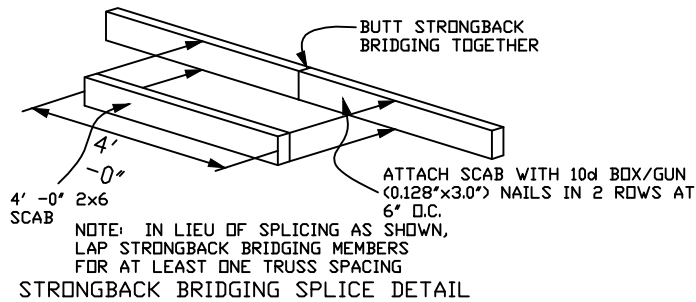
MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

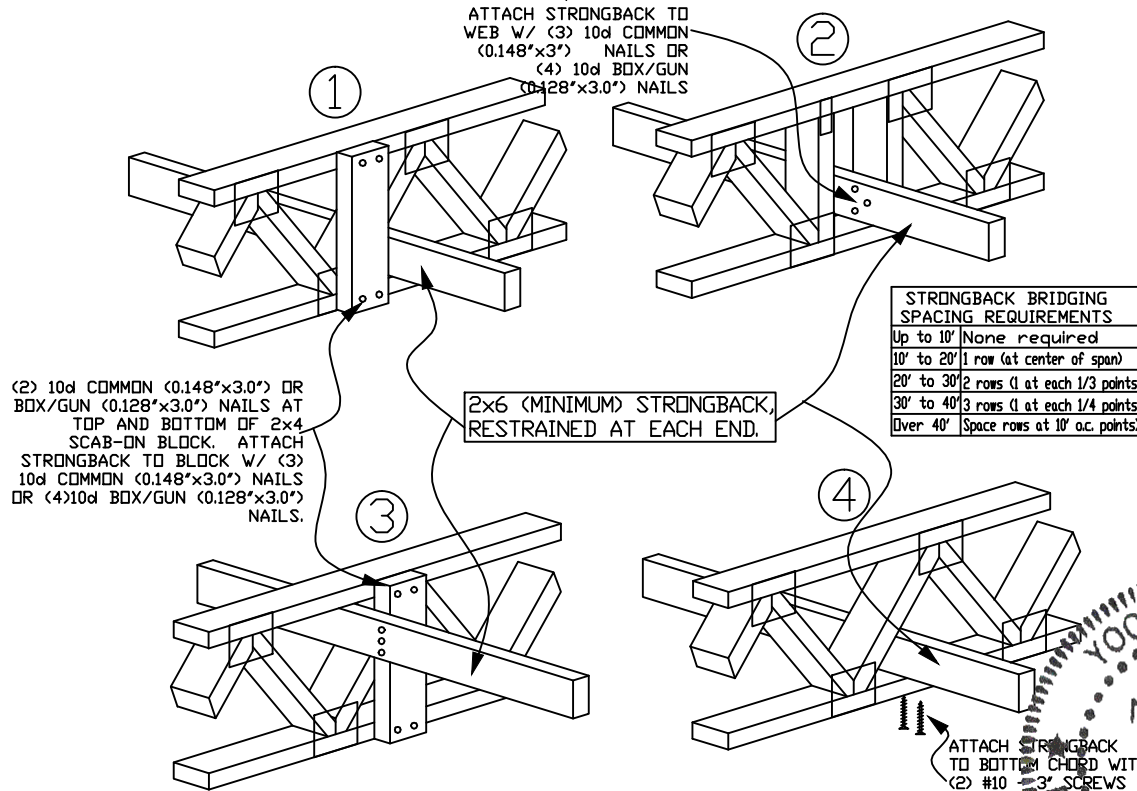
MAX. SPACING 24.0"

Yoonhwak Kim, FL PE #86367

# STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: Details 1 and 2 are the preferred attachment methods

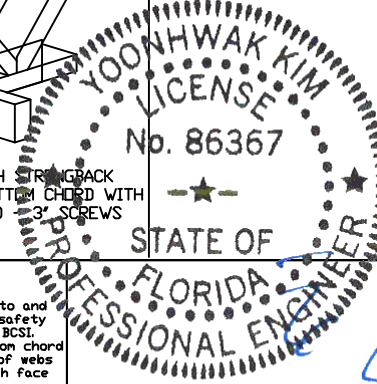


STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

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

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by Alpine.

For additional information regarding strongback bridging, refer to BCSI (Building Component Safety Information).



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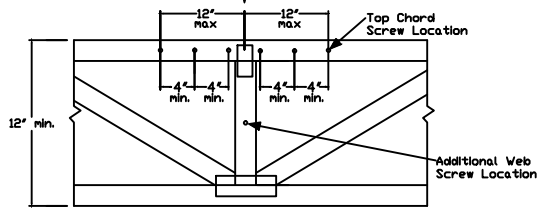
For more information see this job's general notes page and these web sites:  
ALPINE: [www.alpineitw.com](http://www.alpineitw.com) TPI: [www.tpinet.org](http://www.tpinet.org) SBCA: [www.sbcacomponents.com](http://www.sbcacomponents.com) ICC: [www.iccsafe.org](http://www.iccsafe.org)

TC LL	PSF	REF	STRONGBACK
TC DL	PSF	DATE	10/01/14
BC DL	PSF	DRWG	STRBRIBR1014
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			

# System 42 Ply to Ply Connection Detail

Using GRK (RSS) JTS 1/4x6-3/4 or Simpson SDS25600 or SDW22634 Strong Drive Screws or Equal.

Max. Concentrated Load per Chart Below

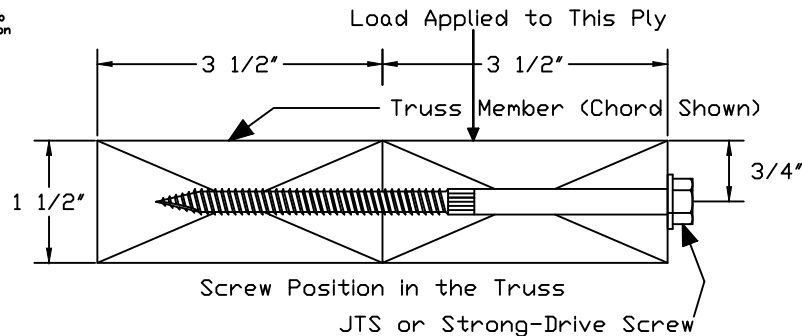


Apply screws to top chord within 12" of the concentrated load location @ 4" o.c., min, evenly distributing them to each side of the concentrated load. A maximum of 6 screws may be applied to the top chord for each concentrated load.

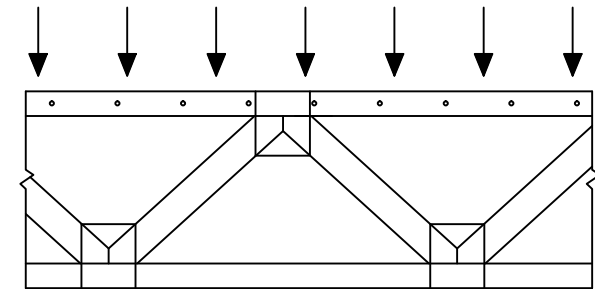
For double top chords, evenly distribute the screws over both top chords, using same spacing guidelines specified above. The max number of top chord screws is 6 per chord member for a total maximum of 12 screws.

If the concentrated load connection requires more screws than 6 per top chord member and the load is located at a panel point where webs intersect the top chord, the remainder of required screws may be applied to those webs below the concentrated load location evenly spaced @ 4" o.c., min, keeping the 3" min end distances. Each additional screw is worth 474 lb for SP webs, 442 lb for DFL webs, and 400 lb for SPF webs.

Refer to Alpine sealed drawing for individual truss design.



Max. Uniform Load per Chart Below



For single top chord, see chart below for screw spacing. For double top chord the screw spacing may be doubled (but may not exceed 24" o.c. per chord). Screw spacing shall be offset by 1/2 the o.c. spacing in each chord.

Screws need only apply to the extents of that load.

For chord sections supporting less than 100 plf apply one screw at each top chord joint location.

# of Screws	Maximum Concentrated Load (lbs) (1.00 DF)		
	SP	DFL	SPF
1	474	442	400
2	984	884	800
3	1422	1326	1200
4	1896	1768	1600
5	2370	2210	2000
6	2844	2652	2400
7	3318	3094	2800
8	3792	3536	3200
9	4266	3978	3600
10	4740	4420	4000
11	5214	4862	4400
12	5688	5304	4800

## General Notes:

1. Screws centered along the 1.5" dimension of the 4x2 member.
2. Minimum end distance of 3".
3. Screws installed with head in loaded member.
4. Gap between plies not to exceed 1/8".
5. Screw location may be adjusted up to 1" to avoid conflict with other hardware or to avoid lumber defects.
6. Do not install screws in areas where lumber knots exceed 1/4".
7. Equal loads from both faces or loads that are evenly distributed to each ply do not require connections per this detail.
8. For 3x2 members use GRK (RSS) JTS 1/4x5 screws, or Simpson's SDS25412 or SDW22500 screws or equal.
9. Contact Alpine for special connections not covered by this detail.

Top Chord Screw o.c. Spacing (inch)	Maximum Uniform Load (plf) Along Top Chord (1.00 DF)		
	SP	DFL	SPF
4	1422	1326	1200
6	948	884	800
8	711	663	600
10	568	530	480
12	474	442	400
14	406	378	342
16	355	331	300
18	316	294	266
20	284	265	240
22	258	241	218
24	237	221	200

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

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

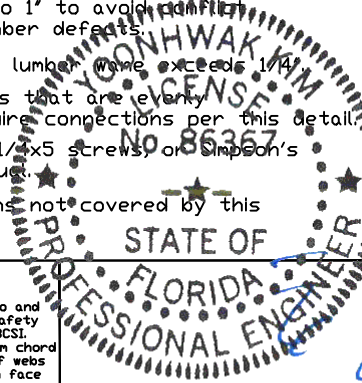
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For more information see this job's general notes page and these web sites: 06/07/2022  
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Glenview, IL 60025



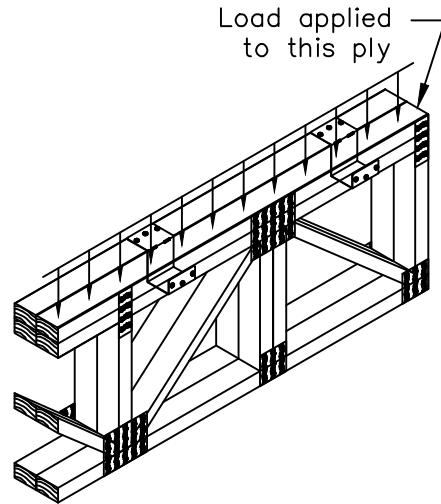
Yoonhwak Kim, FL PE #86367

TC LL	PSF	REF	SY42 Connection
TC DL	PSF	DATE	01/19/2018
BC DL	PSF	DRWG	CNSY42PL0118
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		
SPACING			



# SY32/SY42 PLY TO PLY LSC CONNECTION DETAIL FOR DOWNWARD LOADS ONLY

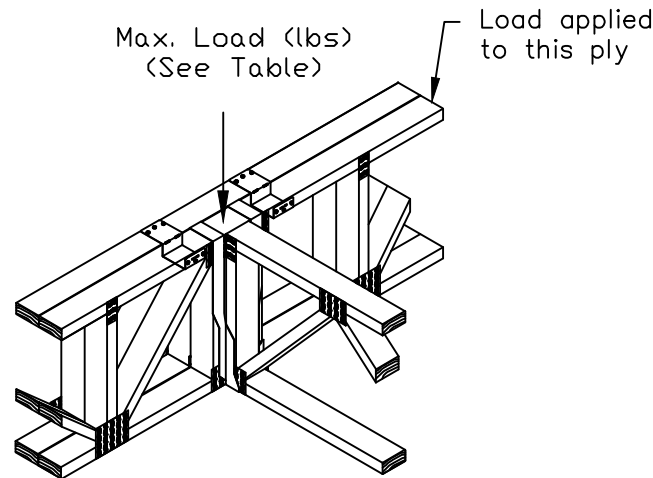
## Uniform Load Application



Max. T.C. Uniform Load (plf)			Clip Spacing Along Top Chord
SP	DF	SPF/HF	
935	810	585	12" o.c.
625	540	390	18" o.c.
470	405	295	24" o.c.
375	325	235	30" o.c.

Maximum LSC spacing is 30" o.c.

## Concentrated Load Application



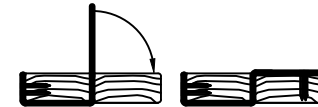
Max Load (lbs)		
SP	DF	SPF/HF
1870	1620	1170

Note:

Install LSC adjacent, equidistant, and not more than 6" on each side of concentrated load.

## Installation Instructions:

1. Position and attach LSC to loaded ply with (3) 0.131"x1.5" nails into narrow face.
2. Bend clip over adjacent ply and attach with (3) 0.131"x1.5" nails into wide face.



LSC42 for single 4x2 chords  
LSC32 for single 3x2 chords



LSC42-2 for stacked 4x2 chords  
LSC32-2 for stacked 3x2 chords

Refer to Alpine sealed drawing for individual truss design.



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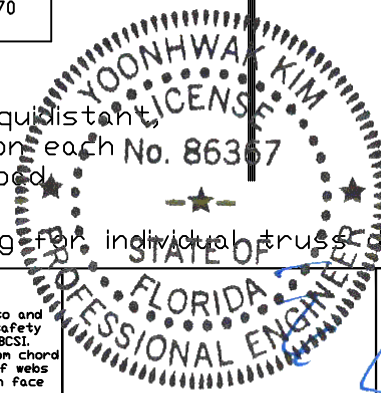
**WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING. FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

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DUR. FAC.

ALL

REF SY42 Connection

DATE 10/01/14

DRWG LSCSYX2A1014