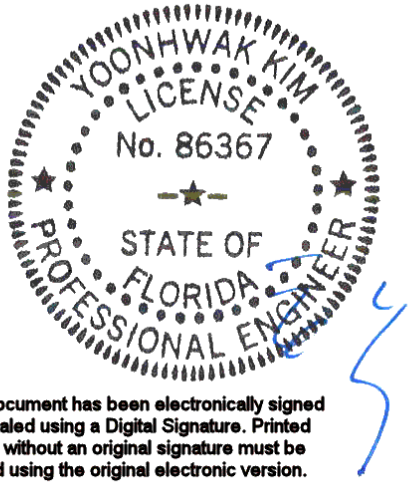

This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

ALPINE
AN ITW COMPANY

Alpine, an ITW Company
155 Harlem Ave
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FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999

11/28/2022

Site Information:	**Page 1:**
Customer: W. B. Howland Company, Inc.	*Job Number:* 22-8546
Job Description: Cook (Inglewood - Craftsman)	
Address: 353 SW Gideon PL, FT WHITE, FL 32038	

Job Engineering Criteria:	
Design Code: FBC 7th Ed. 2020 Res.	*IntelliVIEW Version:* 21.02.01 *JRef #:* 1XL12150004
Wind Standard: ASCE 7-16 *Wind Speed (mph):* 130 *Building Type:* Closed	*Design Loading (psf):* 40.00

This package contains general notes pages, 40 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	332.22.1432.39619	A01
3	332.22.1432.42931	A03
5	332.22.1432.35885	B02
7	332.22.1432.40057	C01
9	332.22.1432.40088	C03
11	332.22.1432.35244	C05
13	332.22.1432.42619	C07
15	332.22.1432.42574	C09
17	332.22.1432.41385	C11
19	332.22.1432.41072	C13
21	332.22.1432.41338	C15
23	332.22.1432.41666	C17
25	332.22.1432.39119	C19
27	332.22.1432.39072	C21
29	332.22.1432.36588	C23
31	332.22.1432.37666	J01
33	332.22.1432.34636	J03
35	332.22.1432.36260	J05
37	332.22.1432.38932	J07
39	332.22.1436.47540	PB02
41	A14015ENC160118	
43	BRCLBSUB0119	
45	PB160160118	

Item	Drawing Number	Truss
2	332.22.1432.39572	A02
4	332.22.1432.39541	B01
6	332.22.1432.40058	B03
8	332.22.1432.39166	C02
10	332.22.1432.38901	C04
12	332.22.1432.41619	C06
14	332.22.1432.41322	C08
16	332.22.1432.40650	C10
18	332.22.1432.41292	C12
20	332.22.1432.41103	C14
22	332.22.1432.42573	C16
24	332.22.1432.38947	C18
26	332.22.1432.39494	C20
28	332.22.1432.36589	C22
30	332.22.1432.38995	HJ01
32	332.22.1432.34901	J02
34	332.22.1432.39135	J04
36	332.22.1432.40010	J06
38	332.22.1436.46117	PB01
40	332.22.1436.50150	PB03
42	A14030ENC160118	
44	GBLLETIN0118	

General Notes

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

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

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

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

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

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

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

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

General Notes (continued)

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

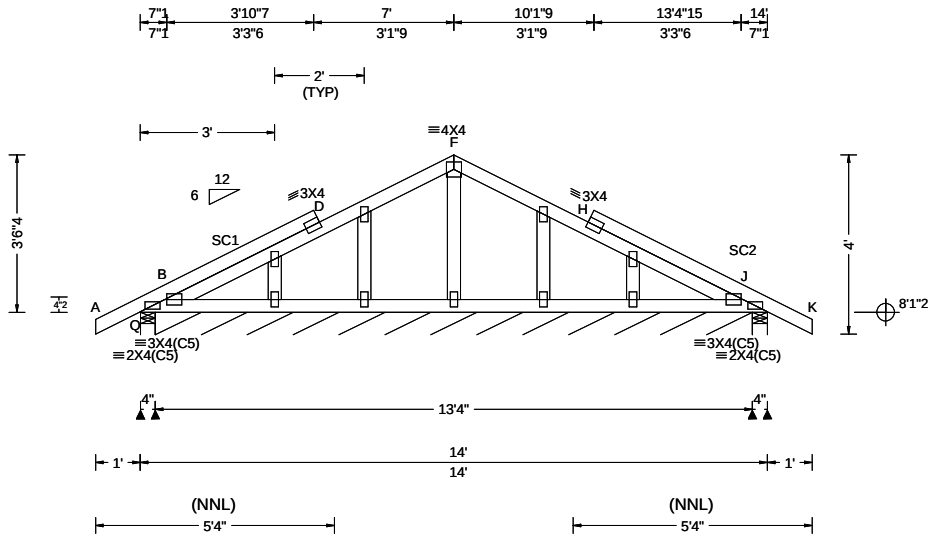
BCDL = Bottom Chord standard design Dead Load in pounds per square foot.
BCLL = Bottom Chord standard design Live Load in pounds per square foot.
CL = Certified lumber.
Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.
FRT = Fire Retardant Treated lumber.
FRT-DB = D-Blaze Fire Retardant Treated lumber.
FRT-DC = Dricon Fire Retardant Treated lumber.
FRT-FP = FirePRO Fire Retardant Treated lumber.
FRT-FL = FlamePRO Fire Retardant Treated lumber.
FRT-FT = FlameTech Fire Retardant Treated lumber.
FRT-PG = PYRO-GUARD Fire Retardant Treated lumber.
g = green lumber.
HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.
HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.
HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.
Ic = Incised lumber.
FJ = Finger Jointed lumber.
L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.
L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.
Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.
Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.
Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.
Max Web CSI= Maximum bending and axial Combined Stress Index for Webs for of all load cases.
NCBCLL = Non-Concurrent Bottom Chord design Live Load in pounds per square foot.
PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.
PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds
PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.
PP = Panel Point.
R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
-R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).
Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).
RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
Rw = maximum downward design Reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the identified location (Loc).
TCDL = Top Chord standard design Dead Load in pounds per square foot.
TCLL = Top Chord standard design Live Load in pounds per square foot.
U = maximum Upward design reaction, in pounds, from all specified non-gravity (wind or seismic) load cases, at the indicated location (Loc).
VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.
VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.
VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.
VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.
W = Width of non-hanger bearing, in inches.

Refer to ASCE-7 for Wind and Seismic abbreviations.
Uppercase Acronyms not explained above are as defined in TPI 1.

References:

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

SEQN: 679107 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** A01	Cust: R 215 JRef:1XL12150004 T2 / DrwNo: 332.22.1432.39619 KD / WHK 11/28/2022



Loading Criteria (psf)			
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	D	999	240
VERT(CL): 0.005	D	999	180
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.247
Max BC CSI: 0.059
Max Web CSI: 0.039

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Q	230	/-	/-	/128	/29	/76
B*	62	/-	/-	/34	/-	/-
J	236	/-	/-	/143	/13	/-

Wind reactions based on MWFRS
Q Brg Wid = 4.0 Min Req = 1.5 (Truss)
B Brg Wid = 159 Min Req = -
J Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings Q, B, & J are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

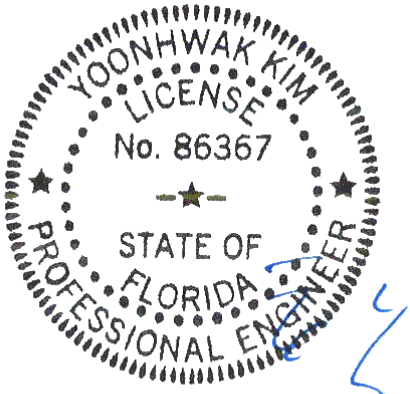
Wind loading based on both gable and hip roof types.

Additional Notes

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

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

The overall height of this truss excluding overhang is 3-6-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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

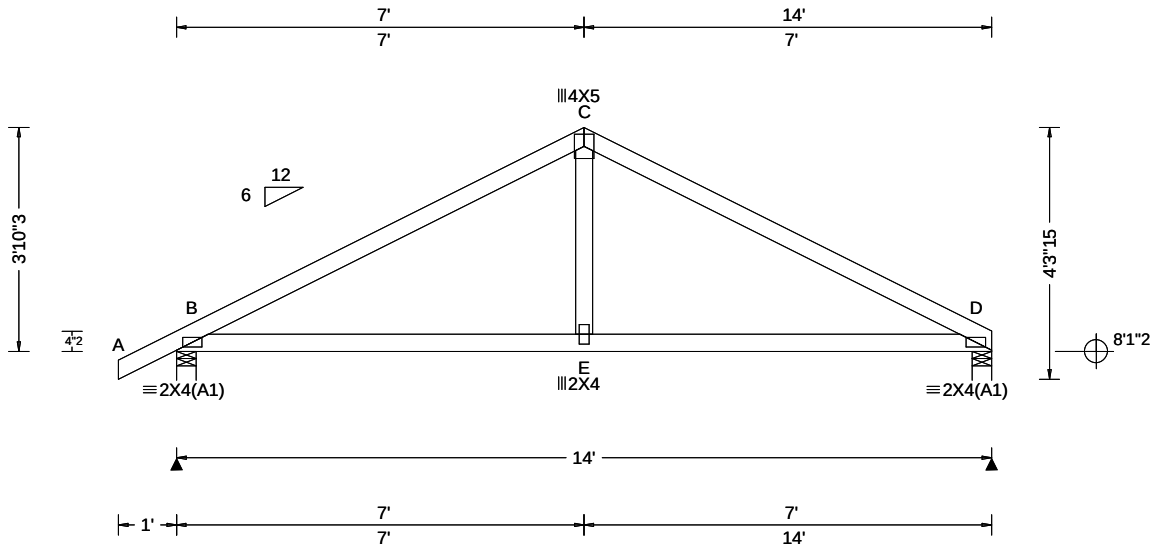
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 679109 / COMN FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** A02	Cust: R 215 JRef:1XL12150004 T1 / DrwNo: 332.22.1432.39572 KD / WHK 11/28/2022



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.013	D	999	240
VERT(CL): 0.026	D	999	180
HORZ(LL): 0.006	B	-	-
HORZ(TL): 0.013	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.507
Max BC CSI: 0.493
Max Web CSI: 0.120

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	646	/-	/-	/367	/27	/71
D	573	/-	/-	/320	/18	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
D Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	261	-807	C - D	261	-806

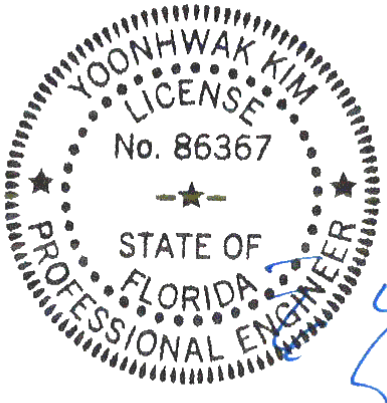
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - E	651	-143	E - D	651	-143

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 3-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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

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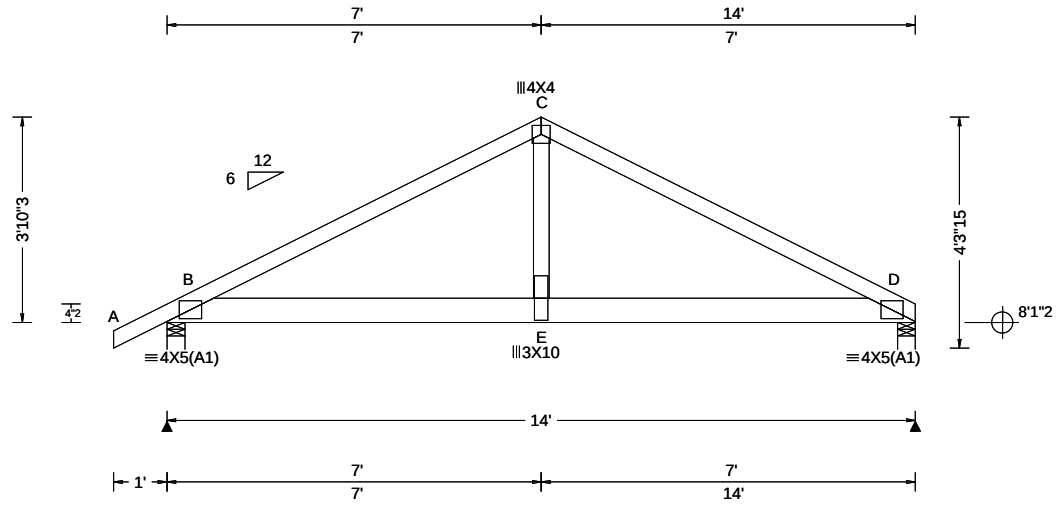
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 681340 / COMN FROM: CDM	Ply: 3 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** A03	Cust: R 215 JRef:1XL12150004 T9 DrwNo: 332.22.1432.42931 AK / YK 11/28/2022

3 Complete Trusses Required



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.052	E	999	240
VERT(CL): 0.104	E	999	180
HORZ(LL): 0.012	B	-	-
HORZ(TL): 0.024	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.501
Max BC CSI: 0.650
Max Web CSI: 0.810

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	4545	/-	/-	/-	/49	/-
D	4985	/-	/-	/74	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
D Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B & D are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-2561	C - D	0	-2564

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - E	2279	0	E - D	2279	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - E	2126	0

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

Nailnote
Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

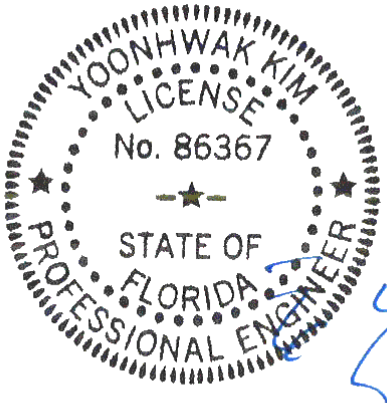
TC: From	62 plf at	-1.00 to	62 plf at	4.06
TC: From	31 plf at	4.06 to	31 plf at	8.06
TC: From	62 plf at	8.06 to	62 plf at	14.00
BC: From	4 plf at	-1.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	4.06
BC: From	10 plf at	4.06 to	10 plf at	14.00

BC: 2596 lb Conc. Load at 4.06
BC: 1764 lb Conc. Load at 6.06
BC: 1366 lb Conc. Load at 8.06
BC: 1399 lb Conc. Load at 10.06
BC: 1409 lb Conc. Load at 12.06

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 3-10-3.

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



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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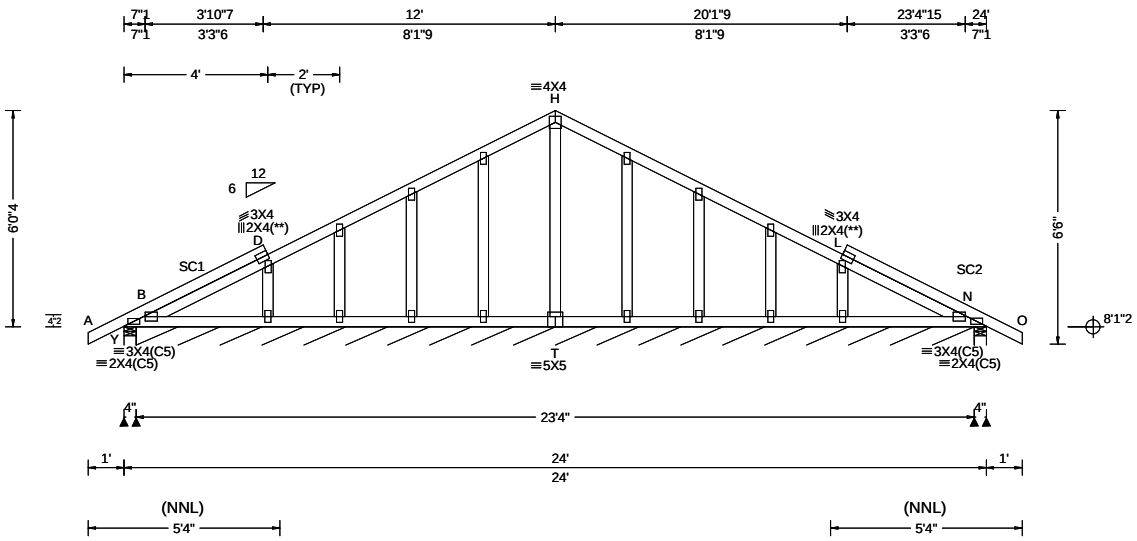
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679112 / GABL FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** B01	Cust: R 215 JRef:1XL12150004 T5 / DrwNo: 332.22.1432.39541 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	B	999	240
VERT(CL): 0.004	B	999	180
HORZ(LL): 0.001	L	-	-
HORZ(TL): 0.002	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.249
Max BC CSI: 0.068
Max Web CSI: 0.068

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y	247	/-	/-	/135	/40	/120
B*	69	/-	/-	/38	/-	/-
N	255	/-	/-	/150	/-	/-

Wind reactions based on MWFRS
Y Brg Wid = 4.0 Min Req = 1.5 (Truss)
B Brg Wid = 280 Min Req = -
N Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings Y, B, & N are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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

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.

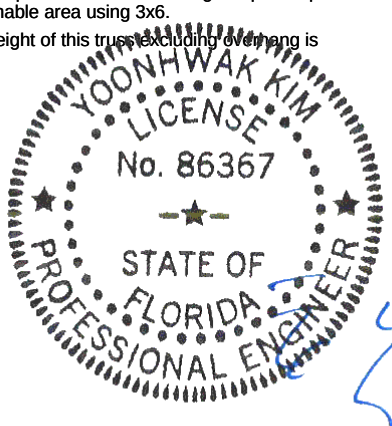
Wind loading based on both gable and hip roof types.

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

The overall height of this truss excluding overhang is 6-0-4.



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11/28/2022

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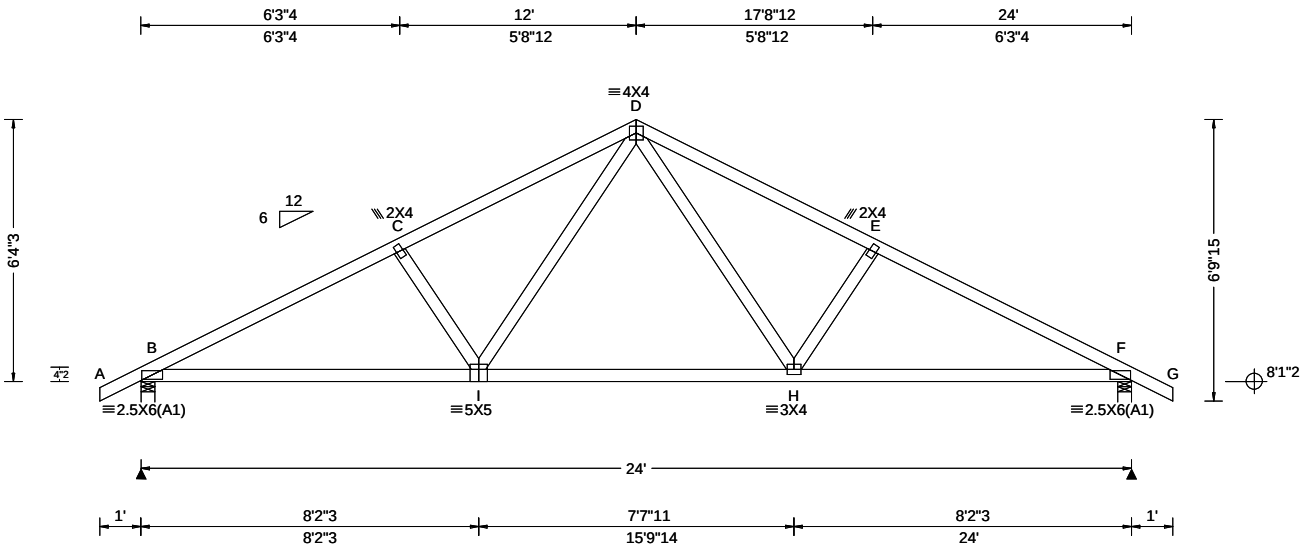
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679115 / COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** B02	Cust: R 215 JRef:1XL12150004 T4 / DrwNo: 332.22.1432.35885 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: Any
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.067	H	999	240
VERT(CL): 0.130	H	999	180
HORZ(LL): 0.027	F	-	-
HORZ(TL): 0.052	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.364
Max BC CSI: 0.661
Max Web CSI: 0.230

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1108	/-	/-	/595	/40	/122
F	1108	/-	/-	/595	/40	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	362	- 1806	D - E	374	- 1615
C - D	375	- 1613	E - F	361	- 1807

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1549	- 254	H - F	1550	- 235
I - H	1048	- 100			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	601	- 98	D - H	603	- 97

Lumber

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

Loading

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

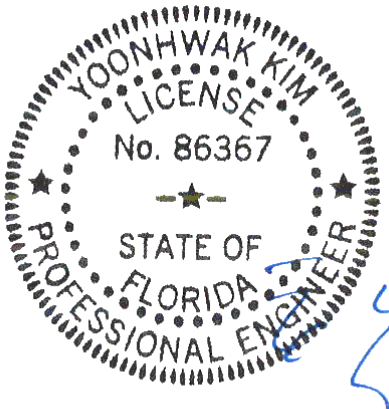
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-4-3.



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11/28/2022

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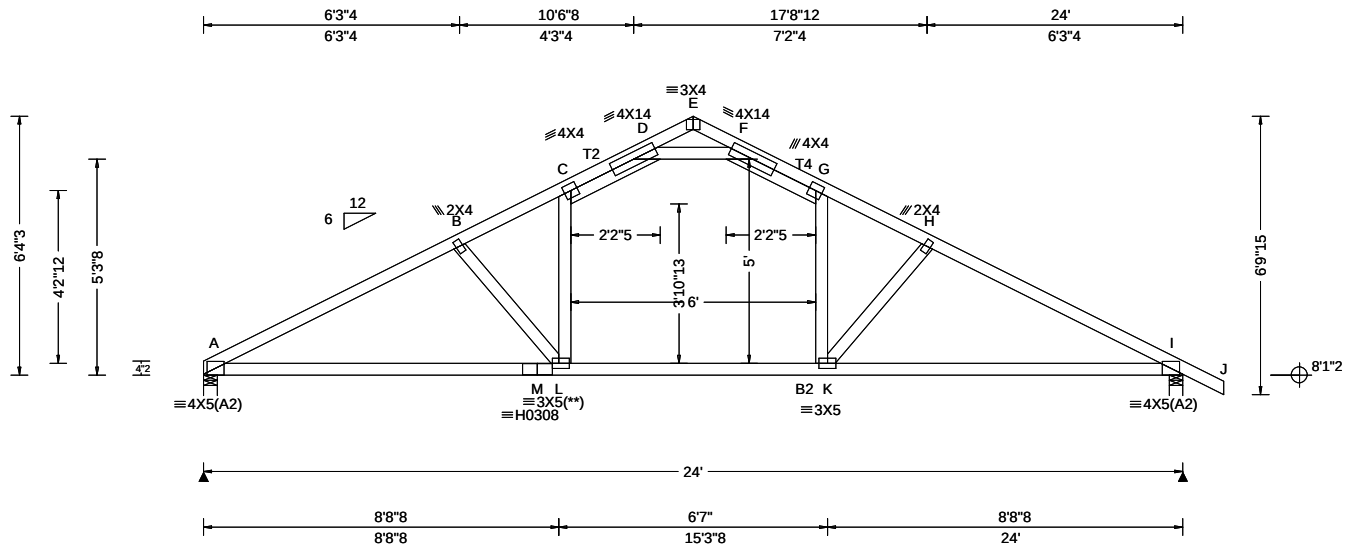
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679192 / ATIC FROM: CDM	Ply: 1 Qty: 10	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** B03	Cust: R 215 JRef:1XL12150004 T6 / DrwNo: 332.22.1432.40058 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.237	K	999	240
VERT(CL): 0.577	L	493	180
HORZ(LL): 0.106	C	-	-
HORZ(TL): 0.261	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.704
Max BC CSI: 0.961
Max Web CSI: 0.390

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1473	/-	/-	/550	/32	/115
I	1543	/-	/-	/595	/40	/-

Wind reactions based on MWFRS
A Brg Wid = 4.0 Min Req = 1.7 (Truss)
I Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings A & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	196	- 2775	E - F	1163	- 48
B - C	185	- 2491	F - G	184	- 1946
C - D	185	- 1947	G - H	182	- 2491
D - E	1162	- 47	H - I	192	- 2773

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	2415	- 98	L - K	2025	- 19
M - L	2415	- 98	K - I	2411	- 96

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	127	- 652	G - K	1021	- 19
L - C	1022	- 22	K - H	123	- 645
D - F	251	- 3325			

Lumber

Top chord: 2x4 SP M-31; T2,T4 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;

Plating Notes

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

Loading

Attic room loading from 9-0-0 to 15-0-0: Live Load: 40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

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

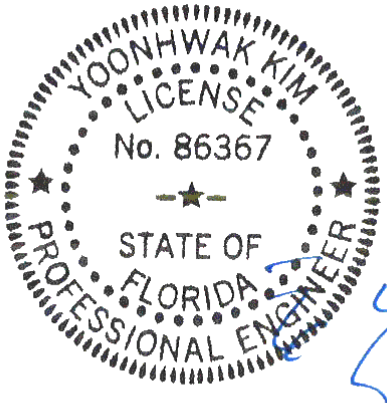
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-4-3.



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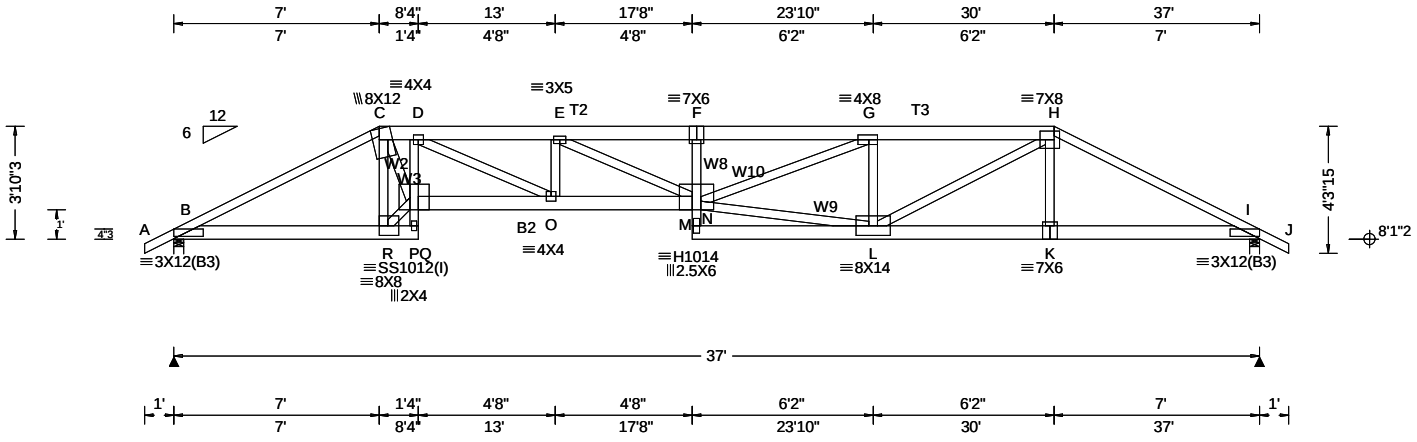
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 680062 / HIPS FROM: CDM Page 1 of 2	Ply: 2 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C01	Cust: R 215 JRef:1XL12150004 T17 DrwNo: 332.22.1432.40057 KD / WHK 11/28/2022

2 Complete Trusses Required



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.504 F 874 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.012 F 435 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.152 I - -
Des Ld:	40.00	EXP: B Kzt: NA		HORZ(TL): 0.305 I - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.964
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.681
Spacing:	24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.827
		C&C Dist a: 3.70 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 4.50 ft	Plate Type(s):	
		GCpi: 0.18	WAVE, 18SS, HS	VIEW Ver: 21.02.01.1216.14
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3694	/-	/-	/-	/266	/-
I	3760	/-	/-	/-	/266	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.2 (Truss)
I Brg Wid = 4.0 Min Req = 2.2 (Truss)
Bearings B & 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	282	- 3788	F - G	624	- 7952
C - D	419	- 5627	G - H	383	- 5061
D - E	528	- 6864	H - I	279	- 3855
E - F	630	- 8027			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	3356	- 244	L - K	3434	- 240
P - O	5730	- 428	K - I	3419	- 243
O - M	6966	- 538			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - R	315	- 3240	E - M	1185	- 102
C - P	5263	- 417	M - G	3024	- 248
R - P	4673	- 325	M - L	4954	- 379
P - D	72	- 736	G - L	207	- 1574
D - O	1293	- 113	L - H	1859	- 163
O - E	79	- 787			

Lumber

Top chord: 2x4 SP #2; T2 2x6 SP #2;
T3 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP #2; B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W2,W3,W9 2x4 SP M-31; W8,
W10 2x4 SP #2;

Nailnote

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

Special Loads

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

TC: From	62 plf at	-1.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	30.00
TC: From	62 plf at	30.00 to	62 plf at	38.00
BC: From	4 plf at	-1.00 to	4 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	29.97
BC: From	20 plf at	29.97 to	20 plf at	37.00
BC: From	4 plf at	37.00 to	4 plf at	38.00

TC: 433 lb Conc. Load at 7.03,29.97
TC: 108 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06
TC: 191 lb Conc. Load at 18.50,19.94,21.94,23.94 25.94,27.94
BC: 525 lb Conc. Load at 7.03,29.97
BC: 168 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06
BC: 130 lb Conc. Load at 18.50,19.94,21.94,23.94 25.94,27.94

Plating Notes

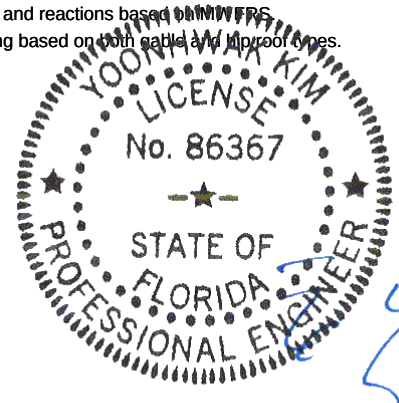
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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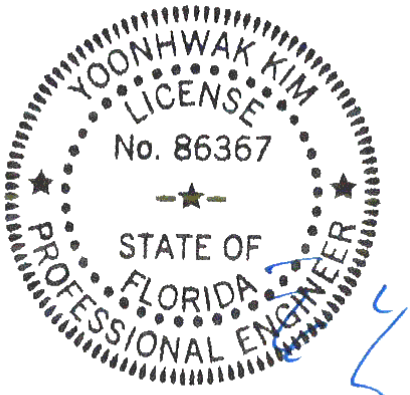
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

Additional Notes

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



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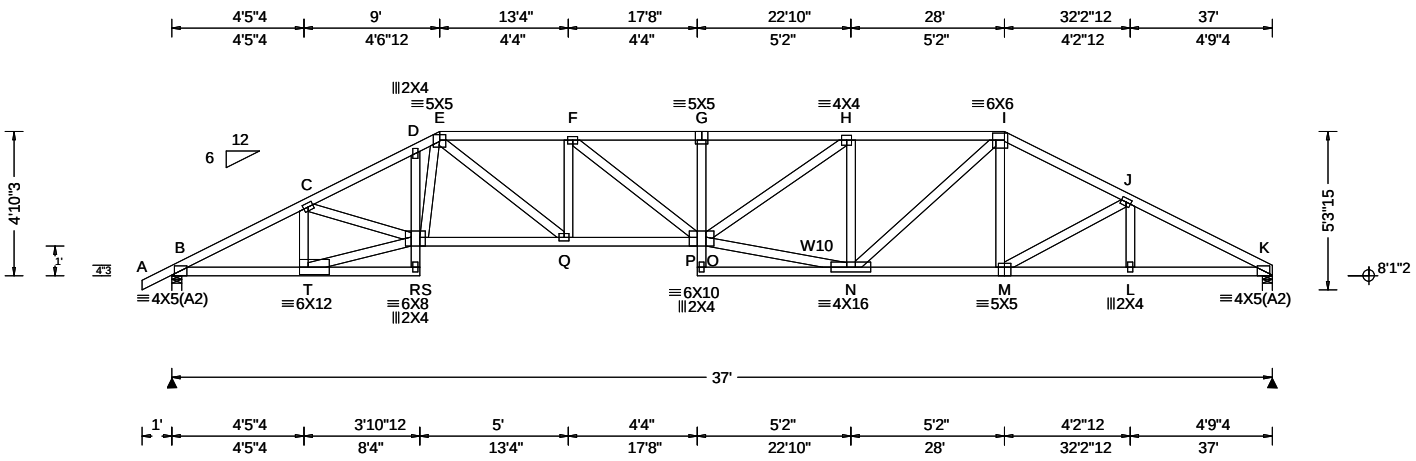
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679136 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C02	Cust: R 215 JRef:1XL12150004 T16 / DrwNo: 332.22.1432.39166 KD / WHK 11/28/2022



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL): 0.312	G	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL): 0.639	G	689	180
BCDL:	10.00	Risk Category: II	Snow Duration: NA			HORZ(LL): 0.114	K	-	-
Des Ld:	40.00	EXP: B Kzt: NA				HORZ(TL): 0.234	K	-	-
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0			
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI: 0.638			
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI: 0.851			
Spacing:	24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes			Max Web CSI: 0.970			
		C&C Dist a: 3.70 ft	FT/RT:20(0)/10(0)						
		Loc. from endwall: not in 9.00 ft	Plate Type(s):						
		GCpi: 0.18	WAVE						
		Wind Duration: 1.60				VIEW Ver: 21.02.01.1216.14			

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1592	/-	/-	/876	/70	/92
K	1522	/-	/-	/830	/61	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.9 (Truss)
K Brg Wid = 4.0 Min Req = 1.8 (Truss)
Bearings B & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	541	- 2882	G - H	923	- 4050
C - D	748	- 3585	H - I	685	- 2907
D - E	784	- 3552	I - J	565	- 2585
E - F	813	- 3594	J - K	546	- 2890
F - G	928	- 4076			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	2517	- 462	N - M	2264	- 405
R - Q	2973	- 564	M - L	2521	- 448
Q - O	3648	- 721	L - K	2523	- 446

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	198	- 746	F - O	549	- 147
C - R	695	- 147	O - H	1352	- 293
T - R	2545	- 463	O - N	2916	- 567
R - E	882	- 153	H - N	339	- 1110
E - Q	817	- 215	N - I	856	- 231
Q - F	234	- 619			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W10 2x4 SP #2;

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

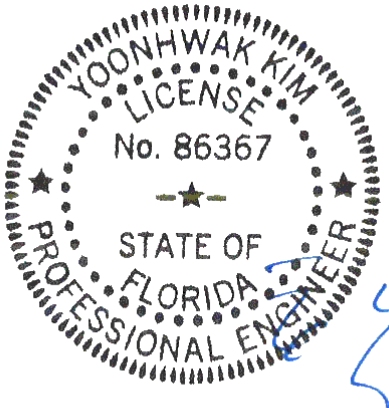
Wind

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 4-10-3.



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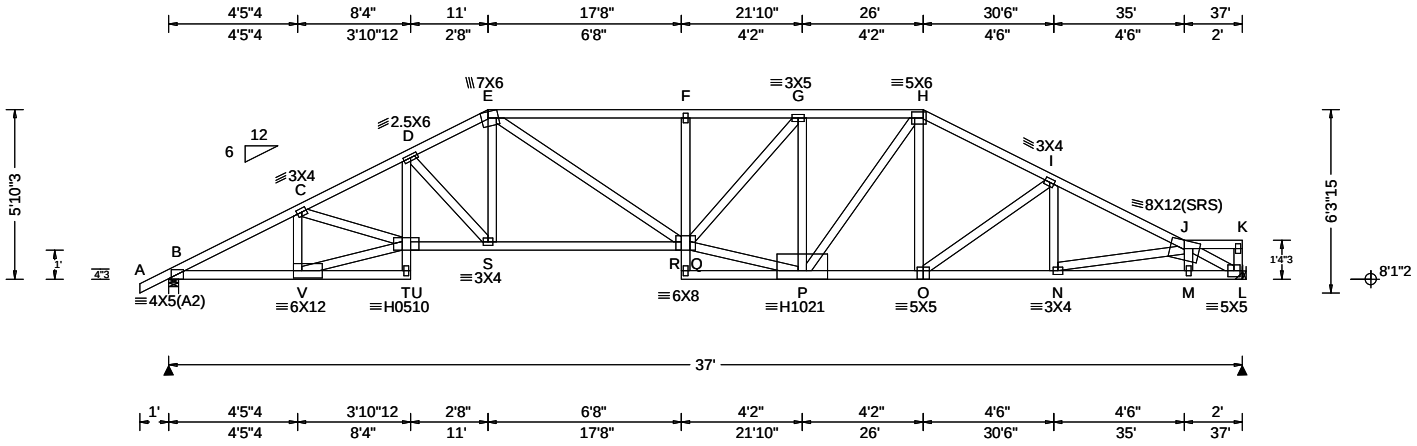
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679139 / SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C03	Cust: R 215 JRef:1XL12150004 T20 / DrwNo: 332.22.1432.40088 KD / WHK 11/28/2022



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in	loc	L/defl	L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA		Ce: NA	VERT(LL):	0.246 F	999	240
BCLL:	0.00	Enclosure: Closed	Lu: NA	Cs: NA		VERT(CL):	0.504 F	878	180
BCDL:	10.00	Risk Category: II	Snow Duration: NA			HORZ(LL):	0.104 L	-	-
Des Ld:	40.00	EXP: B Kzt: NA				HORZ(TL):	0.214 L	-	-
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:			Creep Factor: 2.0			
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.			Max TC CSI:	0.934		
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014			Max BC CSI:	0.813		
Spacing:	24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes			Max Web CSI:	0.970		
		C&C Dist a: 3.70 ft	FT/RT:20(0)/10(0)						
		Loc. from endwall: not in 9.00 ft	Plate Type(s):						
		GCpi: 0.18	WAVE, HS			VIEW Ver: 21.02.01.1216.14			
		Wind Duration: 1.60							

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1598	/-	/-	/890	/67	/105
L	1516	/-	/-	/815	/61	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.9 (Truss)
L 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	467	-2896	F - G	697	-3193
C - D	662	-3591	G - H	547	-2447
D - E	591	-2927	H - I	503	-2447
E - F	699	-3206	I - J	496	-2863

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	2529	-420	O - N	2505	-412
T - S	3174	-551	N - M	2686	-437
S - Q	2605	-446	M - L	2687	-431
P - O	2129	-348			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	183	-743	Q - G	1089	-232
C - T	685	-138	Q - P	2516	-433
V - T	2547	-423	G - P	283	-1028
T - D	789	-107	P - H	529	-148
D - S	159	-868	H - O	381	-5
E - S	582	-14	O - I	80	-470
E - Q	718	-210	J - L	483	-3016

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

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=36'9" uses the following support conditions: 36'9"
Bearing L (36'9", 8'1"2) HUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

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

Wind

Wind loads 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 5-10-3.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
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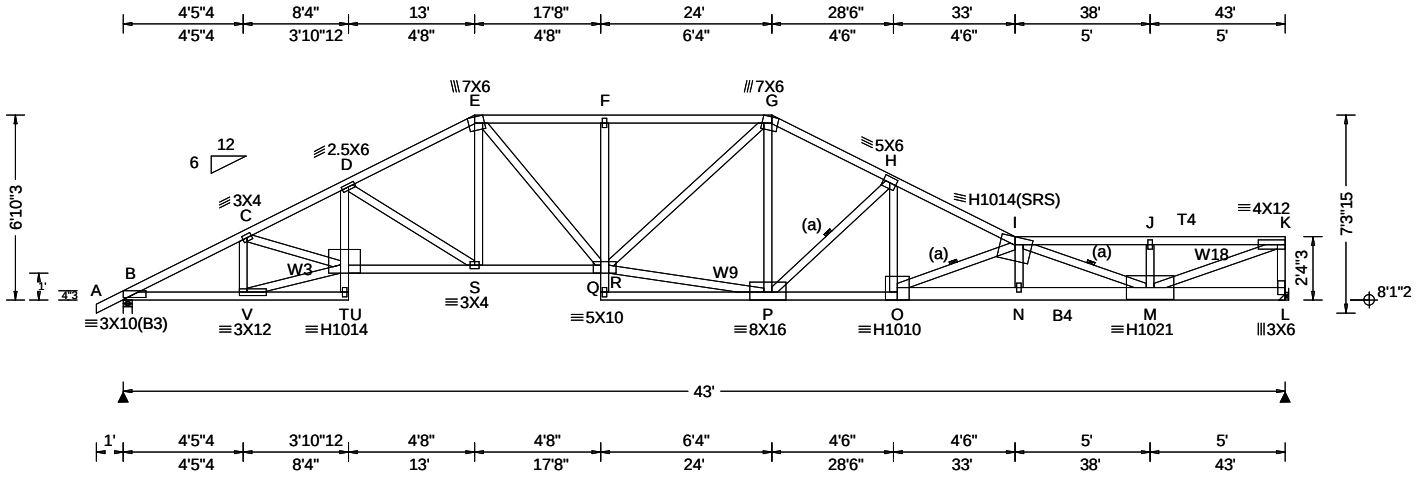
Glenview, IL 60025

SEQN: 679144 / SPEC FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C04	Cust: R 215 JRef:1XL12150004 T47 DrwNo: 332.22.1432.38901 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.30 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.522	O	985	240
VERT(CL): 1.063	O	483	180
HORZ(LL): 0.145	E	-	-
HORZ(TL): 0.296	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.985
Max BC CSI: 0.764
Max Web CSI: 0.947

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1975	/-	/-	/-	/80	/-
L	2596	/-	/-	/-	/113	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (Truss)
L 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	134	- 3676	G - H	145	- 3776
C - D	179	- 4736	H - I	217	- 5572
D - E	137	- 3631	I - J	253	- 6149
E - F	142	- 3837	J - K	253	- 6149
F - G	142	- 3826			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	3222	- 109	P - O	4835	- 181
T - S	4210	- 153	O - N	8933	- 340
S - Q	3191	- 111	N - M	8947	- 336

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	81	- 984	Q - G	640	- 31
C - T	1049	- 46	P - G	904	0
V - T	3247	- 108	P - H	85	- 2083
T - D	902	0	H - O	1940	- 34
D - S	51	- 1226	O - I	173	- 4399
E - S	576	0	I - M	89	- 3007
E - Q	975	- 48	M - K	6591	- 271
Q - P	3317	- 119	K - L	112	- 2490

Lumber

Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B4 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3,W9 2x4 SP #2;
W18 2x4 SP M-31;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC: From	62 plf at	-1.00 to	62 plf at	37.06
TC: From	31 plf at	37.06 to	31 plf at	43.00
BC: From	4 plf at	-1.00 to	4 plf at	0.00
BC: From	20 plf at	0.00 to	20 plf at	37.06
BC: From	10 plf at	37.06 to	10 plf at	43.00

BC: 913 lb Conc. Load at 37.06
BC: 147 lb Conc. Load at 38.94,40.94

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

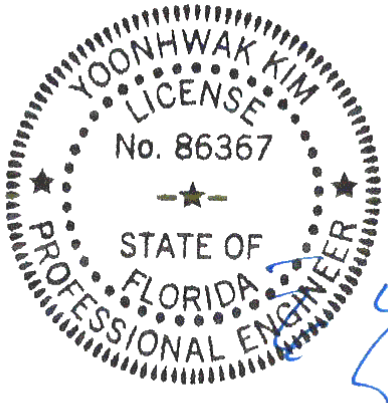
Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

The overall height of this truss excluding overhang is 6-10-3.



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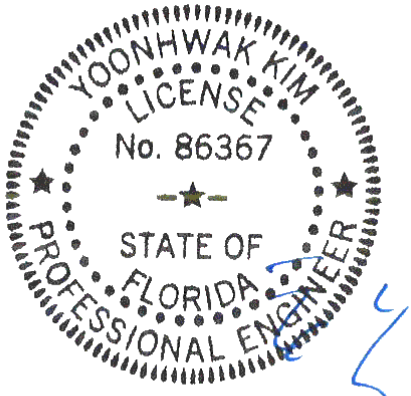
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=42'9" uses the following support conditions: 42'9"
Bearing L (42'9", 8'1"2) HUS26
Supporting Member: (3)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(6) 0.148"x3" nails into supported member.



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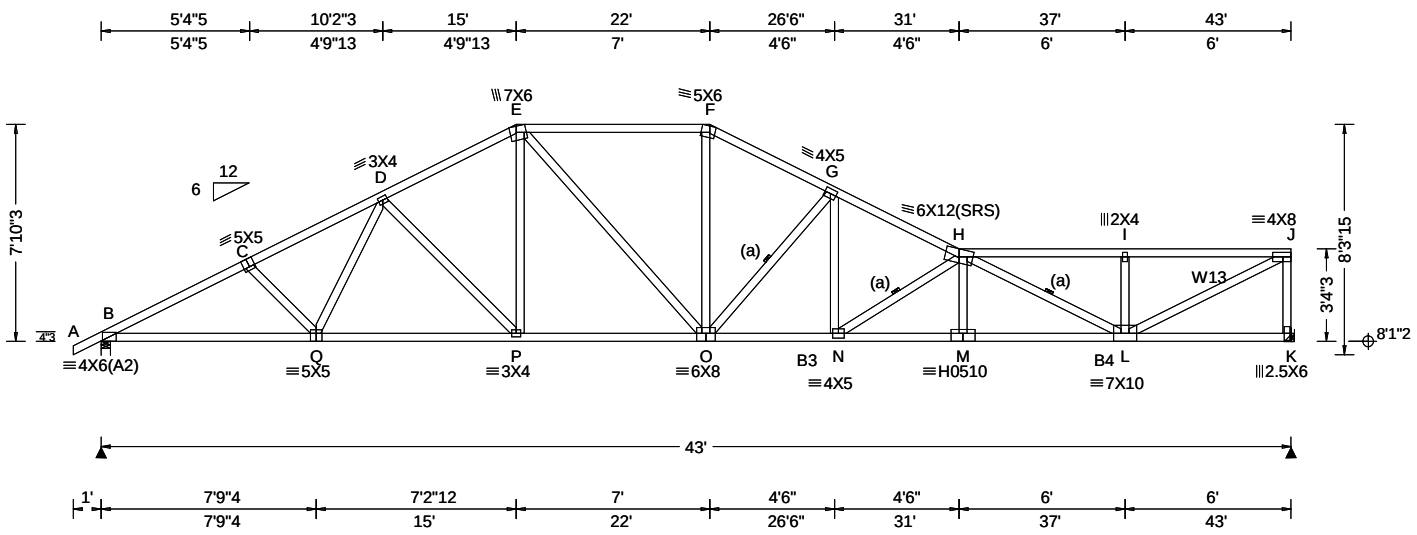
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679034 / SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C05	Cust: R 215 JRef:1XL12150004 T21 DrwNo: 332.22.1432.35244 KD / WHK 11/28/2022



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.30 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.332	N	999	240
VERT(CL): 0.681	N	755	180
HORZ(LL): 0.090	E	-	-
HORZ(TL): 0.184	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.902
Max BC CSI: 0.834
Max Web CSI: 0.773

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1845	/-	/-	/1036	/-	/142
K	1764	/-	/-	/908	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.2 (Truss)
K 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	416	- 3398	F - G	496	- 2863
C - D	418	- 3193	G - H	604	- 3897
D - E	440	- 2637	H - I	516	- 3067
E - F	479	- 2530	I - J	516	- 3067

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Q	2971	- 419	O - N	3379	- 495
Q - P	2653	- 375	N - M	5023	- 778
P - O	2302	- 312	M - L	5027	- 776

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - D	393	0	N - H	338	- 1944
D - P	92	- 507	H - L	292	- 2198
E - P	550	0	I - L	199	- 424
O - F	882	- 61	L - J	3424	- 575
O - G	230	- 1331	J - K	320	- 1709
G - N	1204	- 153			

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3,B4 2x4 SP M-31;
Webs: 2x4 SP #3; W13 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

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=42'9" uses the following support conditions: 42'9"
Bearing K (42'9", 8'1"2) HUS26
Supporting Member: (3)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

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

Wind

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

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 overhangs is 7-10-3.

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11/28/2022

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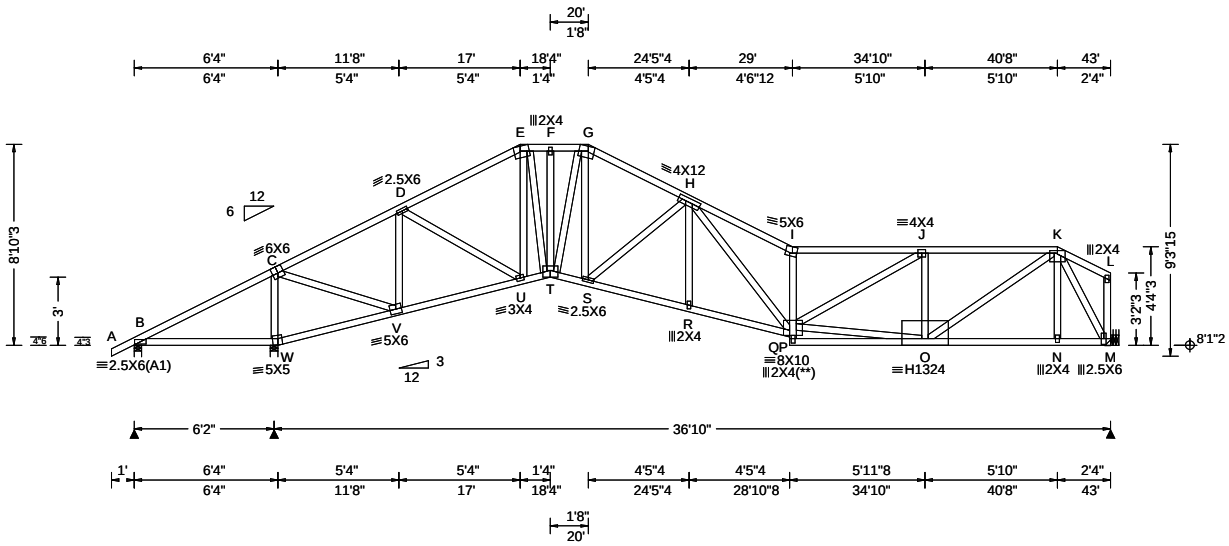
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681296 / SPEC FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C06	Cust: R 215 JRef:1XL12150004 T7 DrwNo: 332.22.1432.41619 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.30 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.245	I	999	240
VERT(CL): 0.503	I	874	180
HORZ(LL): 0.077	E	-	-
HORZ(TL): 0.158	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.991
Max BC CSI: 0.623
Max Web CSI: 0.877

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	-	/-728	/-		/-	/304	/161
W	2790	/-	/-		/1528	/-	/-
M	1366	/-	/-		/730	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
W Brg Wid = 4.0 Min Req = 3.3 (Truss)
M Brg Wid = - Min Req = -
Bearings B & W are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1882	- 298	G - H	303	- 1882
C - D	75	- 653	H - I	638	- 3896
D - E	247	- 1567	I - J	529	- 3397
E - F	273	- 1546	J - K	383	- 2140
F - G	273	- 1545			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	246	- 1639	S - R	2437	- 292
W - V	267	- 1751	R - P	2393	- 285
V - U	590	- 54	O - N	742	- 112
U - T	1358	- 119	N - M	742	- 112
T - S	1676	- 148			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	321	- 2207	H - P	1697	- 340
C - V	2302	- 258	I - P	378	- 1985
V - D	210	- 1234	P - J	1401	- 157
D - U	909	- 94	P - O	2031	- 333
E - U	114	- 533	J - O	277	- 1125
E - T	929	- 143	O - K	1701	- 286
S - G	845	- 121	K - M	223	- 1479
S - H	194	- 949			

Lumber

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

Plating Notes

All plates are 6X8 except as noted.

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

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.

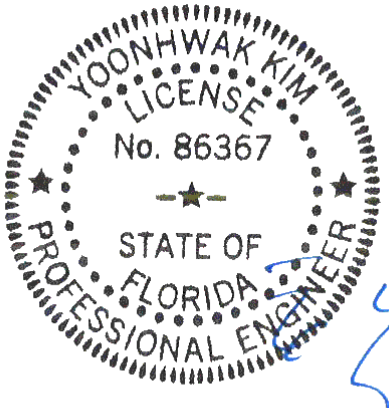
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -728# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 8-10-3.



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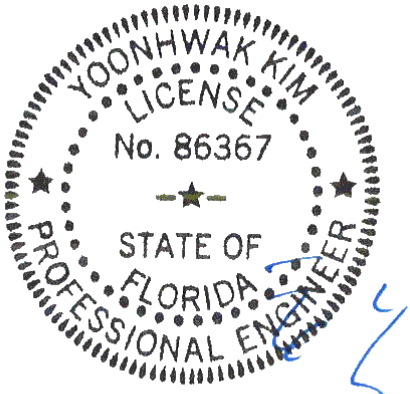
Hangers / Ties

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=42'9" uses the following support conditions: 42'9"
Bearing M (42'9", 8'1"2) HUS26
Supporting Member: (3)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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11/28/2022

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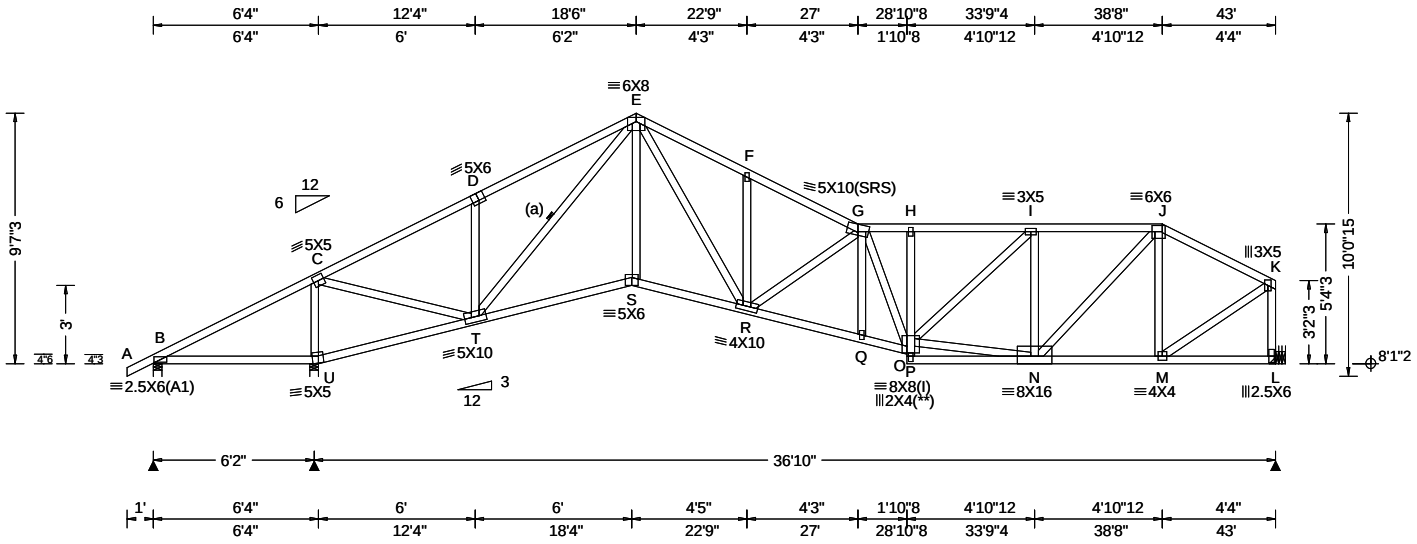
Glenview, IL 60025

SEQN: 681301 / SPEC FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C07	Cust: R 215 JRef:1XL12150004 T3 DrwNo: 332.22.1432.42619 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.30 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.178	G	999	240
VERT(CL): 0.365	G	999	180
HORZ(LL): 0.068	E	-	-
HORZ(TL): 0.141	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.923
Max BC CSI: 0.675
Max Web CSI: 0.876

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh		/ Rw	/ U	/ RL
B	9	/-534	/-		/9	/190	/174
U	2564	/-	/-		/1440	/-	/-
L	1399	/-	/-		/756	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
U Brg Wid = 4.0 Min Req = 3.0 (Truss)
L Brg Wid = - Min Req = -
Bearings B & U 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	1463	- 236	G - H	417	- 2724
C - D	107	- 1131	H - I	415	- 2710
D - E	199	- 1122	I - J	337	- 1889
E - F	391	- 2494	J - K	216	- 1257
F - G	329	- 2498			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	160	- 1264	R - Q	2925	- 356
U - T	179	- 1362	Q - O	2810	- 337
T - S	1620	- 104	N - M	1078	- 156
S - R	1593	- 102			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	281	- 2080	O - I	1075	- 112
C - T	2300	- 218	O - N	1842	- 272
D - T	143	- 391	I - N	222	- 1046
T - E	64	- 1028	N - J	1164	- 173
S - E	882	0	J - M	152	- 609
E - R	1311	- 263	M - K	1284	- 185
R - G	193	- 792	K - L	225	- 1363
G - Q	121	- 628			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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

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.

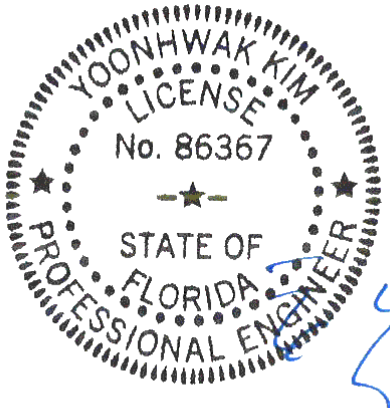
Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -534# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

The overall height of this truss excluding overhang is 9-7-3.



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11/28/2022

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Glenview, IL 60025

Hangers / Ties

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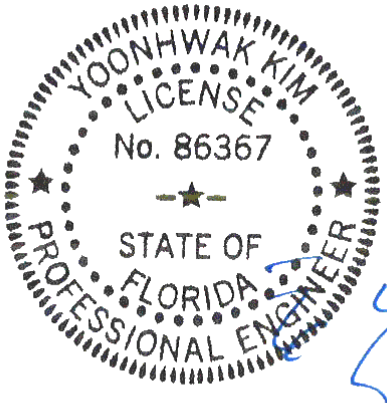
Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=42'9" uses the following support conditions: 42'9"
Bearing L (42'9", 8'1"2) HUS26
Supporting Member: (3)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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11/28/2022

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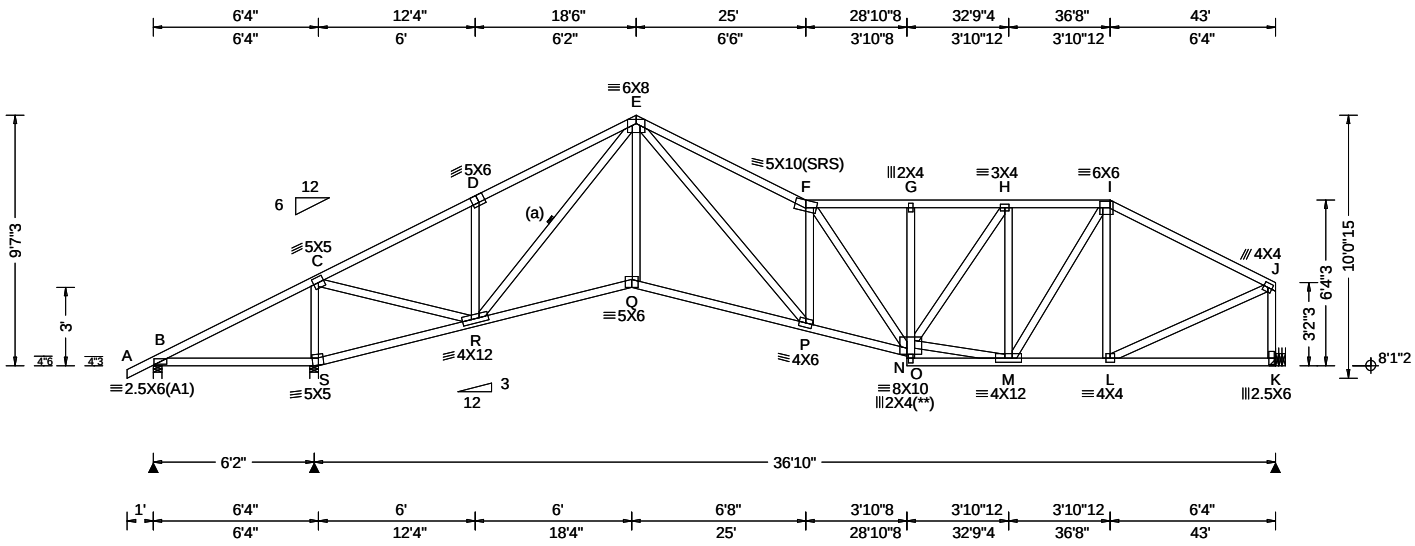
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681306 / SPEC FROM: CDM Page 1 of 2	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C08	Cust: R 215 JRef:1XL12150004 T8 DrwNo: 332.22.1432.41322 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.30 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.178	F	999	240
VERT(CL): 0.366	F	999	180
HORZ(LL): 0.061	E	-	-
HORZ(TL): 0.126	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.900
Max BC CSI: 0.686
Max Web CSI: 0.855

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	39	/-475	/-	/16	/159	/174
S	2495	/-	/-	/1413	/-	/-
K	1409	/-	/-	/770	/-	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
S Brg Wid = 4.0 Min Req = 2.9 (Truss)
K Brg Wid = - Min Req = -
Bearings B & S are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1336	- 228	F - G	388	- 2234
C - D	126	- 1199	G - H	386	- 2226
D - E	214	- 1183	H - I	322	- 1677
E - F	505	- 2968	I - J	246	- 1470

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	152	- 1151	Q - P	1653	- 126
S - R	171	- 1245	P - N	2619	- 310
R - Q	1677	- 125	M - L	1244	- 164

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	288	- 2041	N - H	928	- 120
C - R	2244	- 227	N - M	1671	- 234
R - E	78	- 1020	H - M	196	- 961
Q - E	935	0	M - I	799	- 133
E - P	1576	- 358	I - L	135	- 432
P - F	321	- 1158	L - J	1342	- 176
F - N	12	- 585	J - K	224	- 1353

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

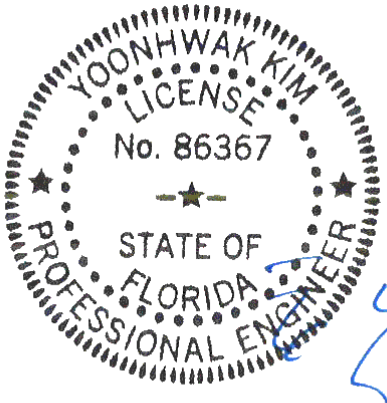
Bracing
(a) Continuous lateral restraint equally spaced on member.

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

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

Additional Notes
Negative reaction(s) of -475# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
The overall height of this truss excluding overhang is 9-7-3.



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11/28/2022

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

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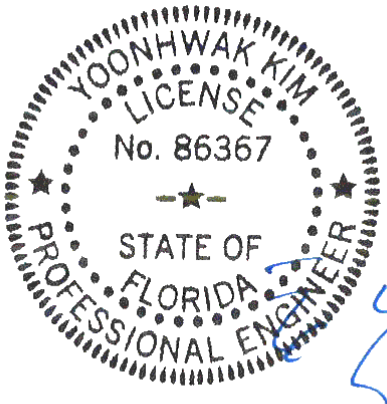
Hangers / Ties

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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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=42'9" uses the following support conditions: 42'9"
Bearing K (42'9", 8'1"2) HUS26
Supporting Member: (3)2x6 SP 2400f-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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

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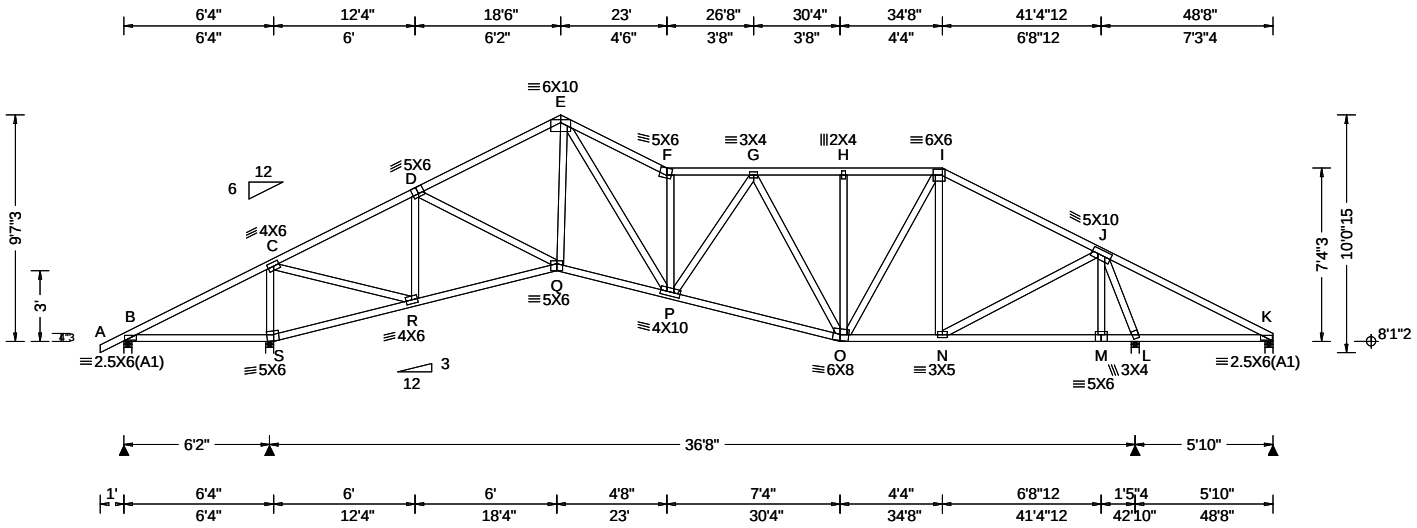
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681309 / SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C09	Cust: R 215 JRef:1XL12150004 T23 DrwNo: 332.22.1432.42574 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.135	F	999	240
VERT(CL): 0.277	F	999	180
HORZ(LL): 0.045	E	-	-
HORZ(TL): 0.092	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.867
Max BC CSI: 0.651
Max Web CSI: 0.995

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	80	/-397	/-	/9	/119	/186
S	2336	/-	/-	/1353	/-	/-
L	2097	/-	/-	/1158	/-	/-
K	87	/-305	/-	/25	/111	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
S Brg Wid = 4.0 Min Req = 2.8 (Truss)
L Brg Wid = 4.0 Min Req = 2.1 (Truss)
K Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, S, L, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1169	- 155	G - H	327	- 1407
C - D	181	- 1164	H - I	329	- 1412
D - E	317	- 1775	I - J	258	- 1267
E - F	493	- 2418	J - K	931	- 125
F - G	392	- 2093			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	162	- 1001	P - O	1850	- 227
S - R	181	- 1087	O - N	1037	- 82
R - Q	1042	- 54	L - K	140	- 767
Q - P	1555	- 82			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	280	- 1927	P - G	565	- 12
C - R	2059	- 212	G - O	127	- 807
R - D	181	- 951	O - I	716	- 141
D - Q	589	- 32	I - N	121	- 461
Q - E	456	0	N - J	1214	- 142
E - P	1186	- 318	J - L	282	- 2014
F - P	292	- 1275			

Lumber

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

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.

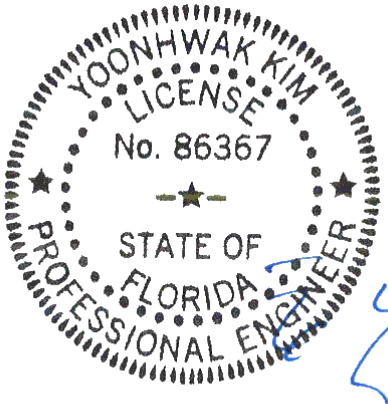
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -397# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 9-7-3.



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11/28/2022

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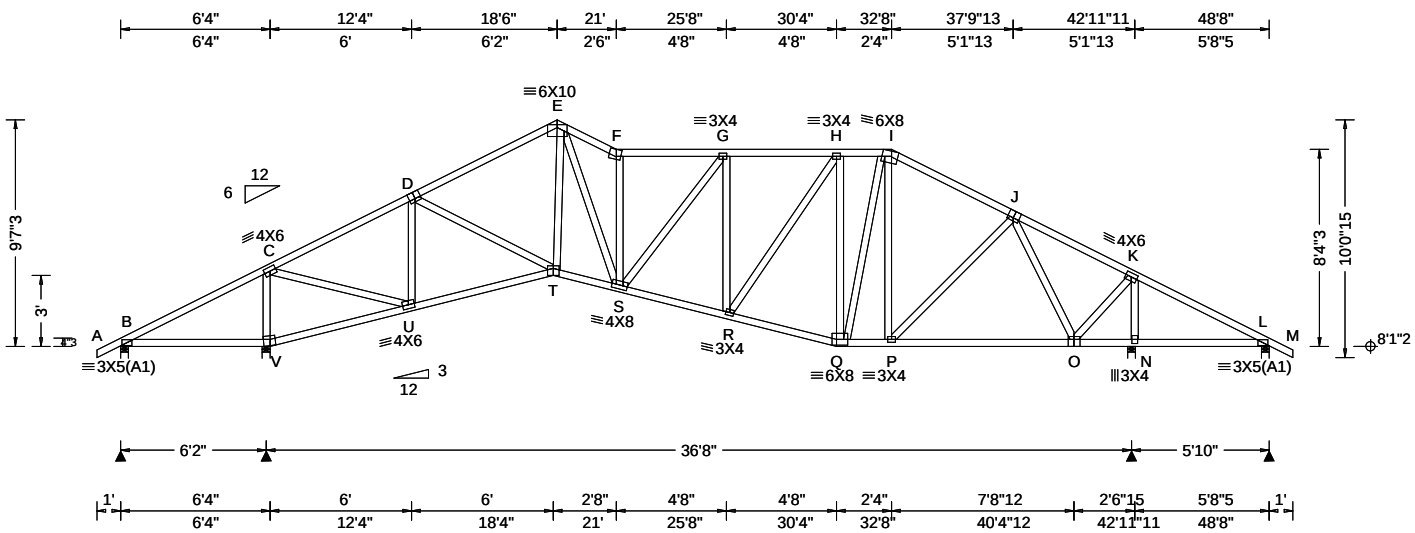
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681312 / SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C10	Cust: R 215 JRef:1XL12150004 T11 DrwNo: 332.22.1432.40650 AK / YK 11/28/2022



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.119	F	999	240
VERT(CL): 0.244	F	999	180
HORZ(LL): 0.048	O	-	-
HORZ(TL): 0.099	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.847
Max BC CSI: 0.560
Max Web CSI: 0.976

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	97	/-366	/-	/-	/108	/192
V	2310	/-	/-	/1351	/-	/-
N	2073	/-	/-	/1154	/-	/-
L	141	/-233	/-	/53	/86	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
V Brg Wid = 4.0 Min Req = 2.7 (Truss)
N Brg Wid = 4.0 Min Req = 2.1 (Truss)
L Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, V, N, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	1102	- 132	G - H	358	- 1652
C - D	186	- 1218	H - I	316	- 1265
D - E	311	- 1818	I - J	286	- 1333
E - F	419	- 2111	J - K	115	- 483
F - G	354	- 1859	K - L	792	- 103

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	154	- 942	R - Q	1317	- 98
V - U	173	- 1026	Q - P	1124	- 53
U - T	1092	- 45	P - O	828	- 55
T - S	1592	- 58	O - N	133	- 621
S - R	1734	- 153	N - L	140	- 673

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	267	- 1915	R - H	703	- 86
C - U	2047	- 196	Q - I	510	- 142
U - D	172	- 945	H - Q	176	- 776
D - T	576	- 19	P - J	432	- 24
T - E	473	0	J - O	190	- 1138
E - S	990	- 287	O - K	1477	- 140
F - S	239	- 1077	K - N	259	- 1941
G - R	137	- 578			

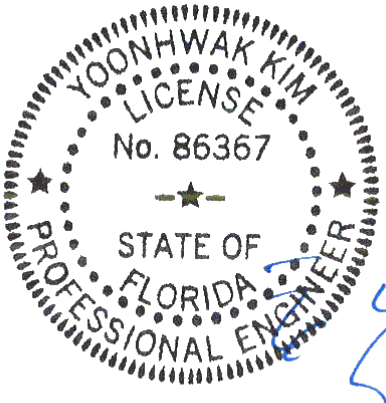
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes
All plates are 5X6 except as noted.

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
Negative reaction(s) of -366# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.
The overall height of this truss excluding overhang is 9-7-3.



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11/28/2022

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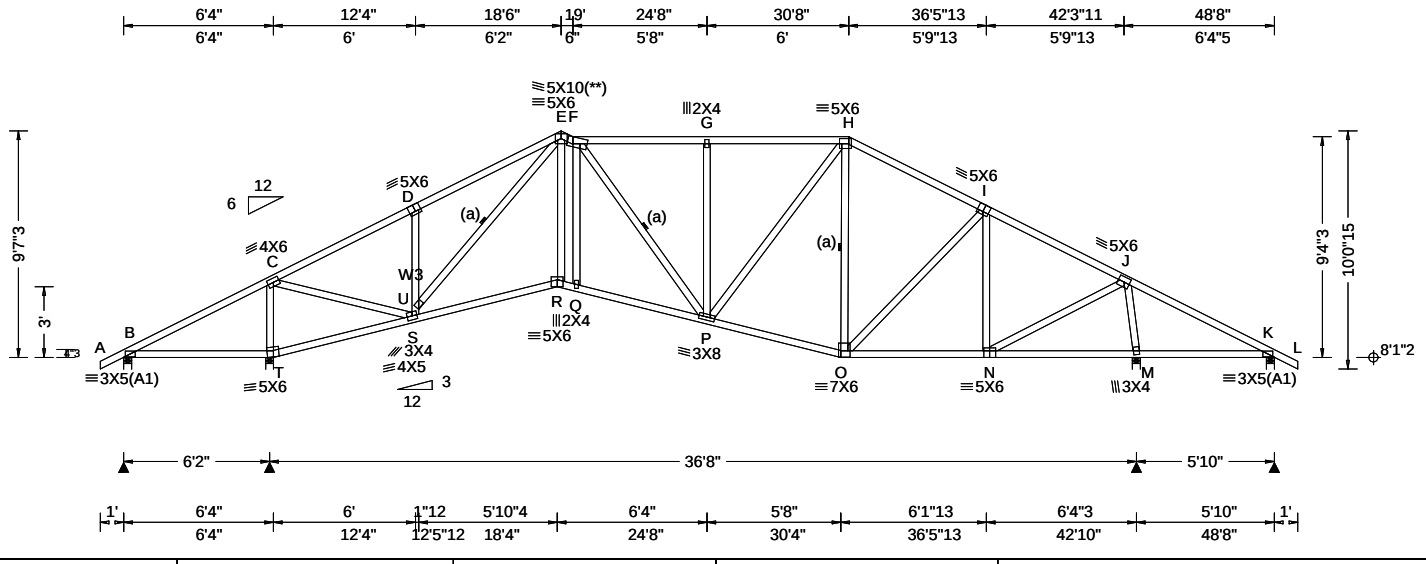
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681344 / SPEC FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C11	Cust: R 215 JRef:1XL12150004 T27 DrwNo: 332.22.1432.41385 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.135	F	999	240
VERT(CL): 0.274	F	999	180
HORZ(LL): 0.058	N	-	-
HORZ(TL): 0.119	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.652
Max BC CSI: 0.607
Max Web CSI: 0.876

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	236	/-94	/-	/73	/19	/192
T	1983	/-	/-	/1200	/-	/-
M	2146	/-	/-	/1211	/-	/-
K	137	/-256	/-	/38	/91	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
T Brg Wid = 4.0 Min Req = 2.3 (Truss)
M Brg Wid = 4.0 Min Req = 2.2 (Truss)
K Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, T, M, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	523	- 103	G - H	352	- 1606
C - D	202	- 1542	H - I	300	- 1380
D - E	295	- 1461	I - J	206	- 1166
E - F	283	- 1621	J - K	857	- 101
F - G	352	- 1604			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	117	- 427	P - O	1199	- 52
T - S	134	- 490	O - N	987	- 50
S - R	1813	- 87	N - M	88	- 443
R - Q	1816	- 87	M - K	129	- 720
Q - P	1770	- 81			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	254	- 1729	P - G	192	- 427
C - S	1798	- 180	P - H	737	- 104
S - U	170	- 920	I - N	140	- 654
U - E	50	- 771	N - J	1586	- 152
R - E	1138	- 71	J - M	285	- 1996

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

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

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.

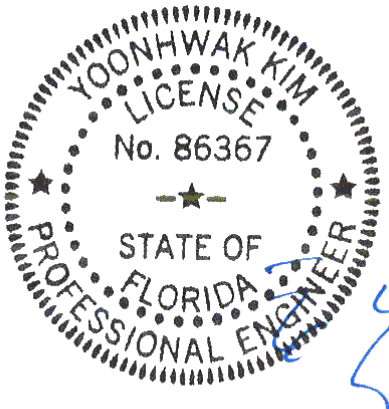
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -256# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 9-7-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
11/28/2022 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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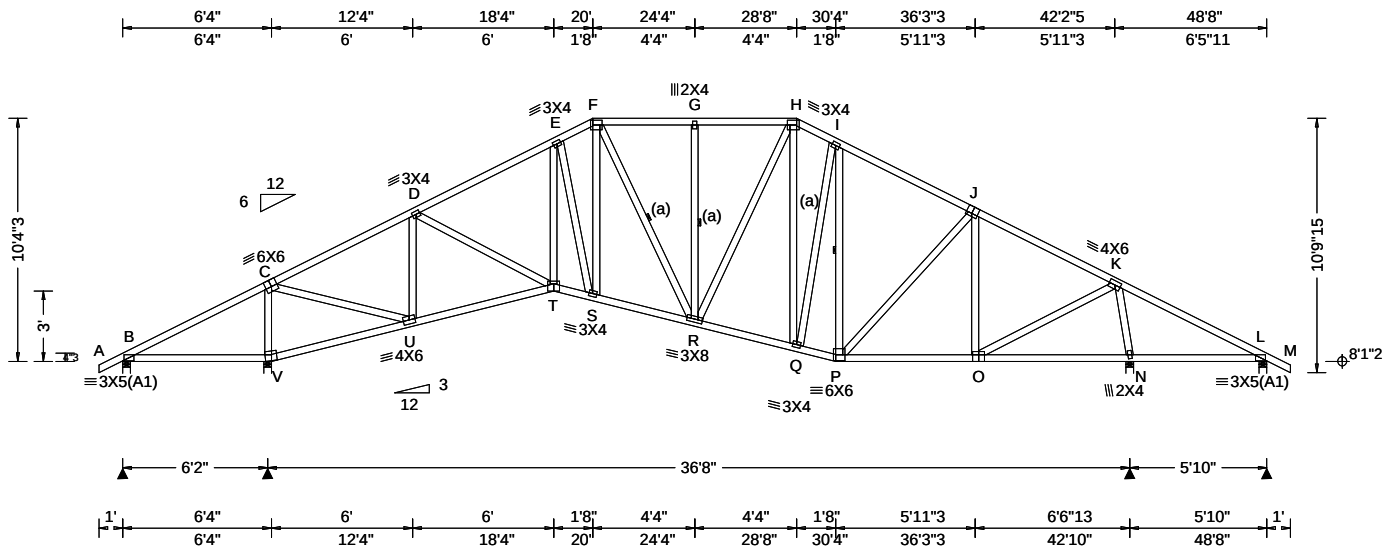
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681317 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C12	Cust: R 215 JRef:1XL12150004 T19 DrwNo: 332.22.1432.41292 AK / YK 11/28/2022



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.092 T 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.189 T 999 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.046 O - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.094 O - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.654
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.441
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: Yes	Max Web CSI: 0.769
	C&C Dist a: 4.87 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 13.00 ft	Plate Type(s):	VIEW Ver: 21.02.01.1216.14
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	127	/-305	/-	/20	/97	/206
V	2251	/-	/-	/1352	/-	/-
N	1942	/-	/-	/1110	/-	/-
L	216	/-118	/-	/82	/39	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
V Brg Wid = 4.0 Min Req = 2.7 (Truss)
N Brg Wid = 4.0 Min Req = 1.9 (Truss)
L Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, V, N, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	974	- 99	G - H	330	- 1386
C - D	191	- 1312	H - I	349	- 1351
D - E	307	- 1887	I - J	299	- 1386
E - F	352	- 1657	J - K	216	- 1273
F - G	329	- 1385	K - L	568	- 52

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	116	- 828	R - Q	1213	- 36
V - U	132	- 908	Q - P	1199	- 51
U - T	1178	- 60	P - O	1077	- 55
T - S	1654	- 70	N - L	96	- 460
S - R	1494	- 50			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - V	247	- 1887	S - F	704	- 79
C - U	2018	- 168	R - H	486	- 75
U - D	156	- 924	J - O	119	- 542
D - T	549	- 20	O - K	1367	- 105
T - E	492	0	K - N	248	- 1802
E - S	109	- 700			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

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.

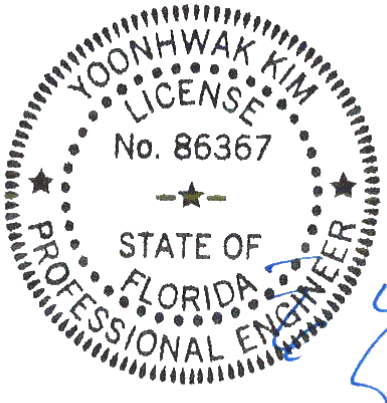
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -305# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 10-4-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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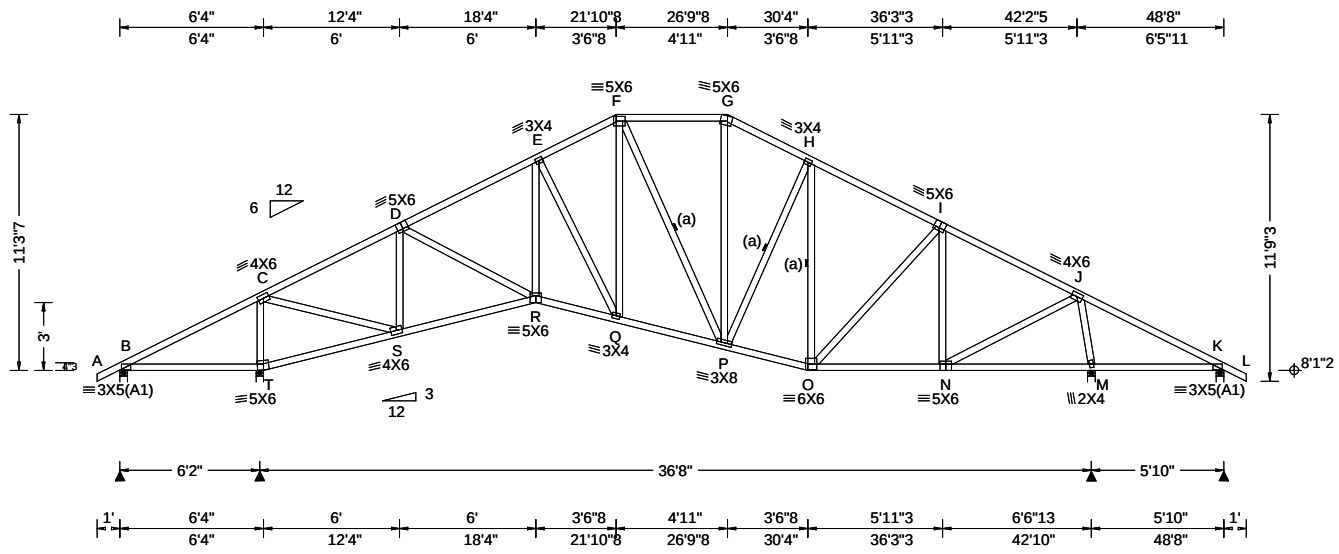
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681320 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C13	Cust: R 215 JRef:1XL12150004 T22 DrwNo: 332.22.1432.41072 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: > 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.092	R	999	240
VERT(CL): 0.187	R	999	180
HORZ(LL): 0.046	N	-	-
HORZ(TL): 0.094	N	-	-

Creep Factor: 2.0
Max TC CSI: 0.671
Max BC CSI: 0.436
Max Web CSI: 0.887

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	126	/-304	/-	/24	/105	/224
T	2250	/-	/-	/1365	/-	/-
M	1943	/-	/-	/1112	/-	/-
K	216	/-119	/-	/83	/44	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
T Brg Wid = 4.0 Min Req = 2.7 (Truss)
M Brg Wid = 4.0 Min Req = 1.9 (Truss)
K Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, T, M, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	971	- 68	G - H	292	- 1351
C - D	167	- 1311	H - I	256	- 1385
D - E	250	- 1888	I - J	186	- 1272
E - F	285	- 1496	J - K	571	- 37
F - G	284	- 1163			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	93	- 824	Q - P	1337	0
T - S	108	- 904	P - O	1206	- 17
S - R	1176	- 29	O - N	1076	- 26
R - Q	1662	- 25	M - K	83	- 463

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - T	205	- 1888	E - Q	86	- 727
C - S	2012	- 109	Q - F	661	- 27
S - D	125	- 922	I - N	98	- 543
D - R	554	0	N - J	1369	- 63
R - E	513	0	J - M	207	- 1803

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

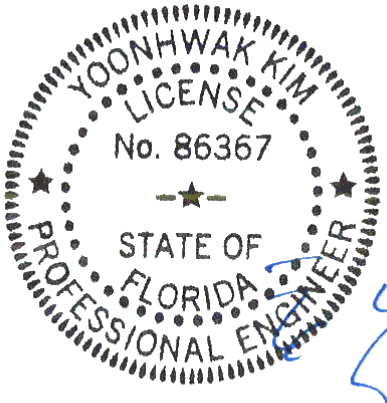
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -304# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 11-3-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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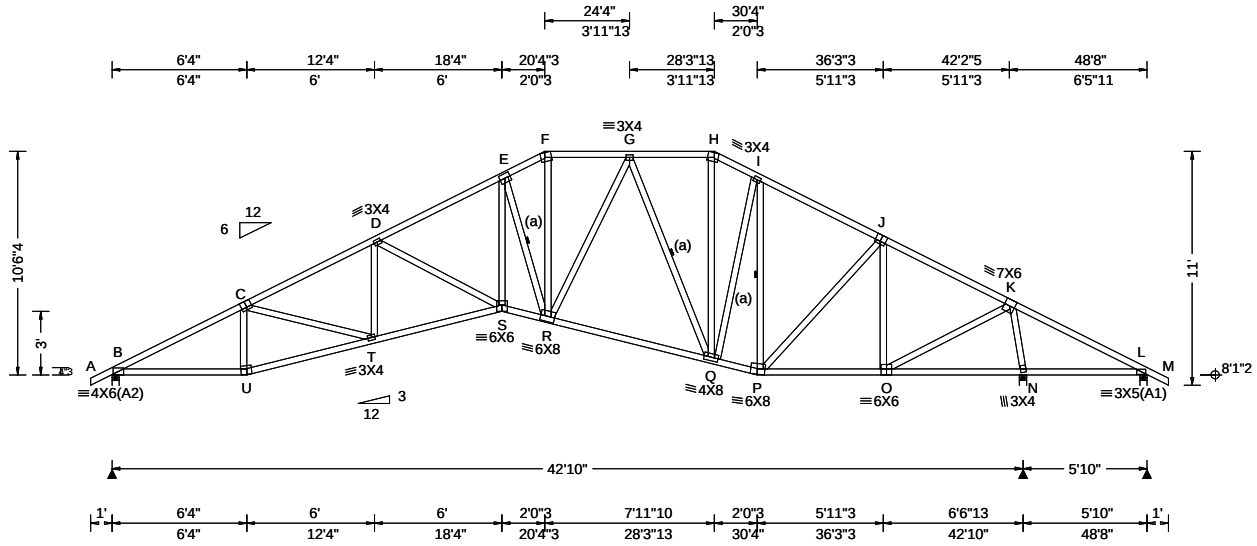
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681323 / HIPS FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C14	Cust: R 215 JRef:1XL12150004 T15 DrwNo: 332.22.1432.41103 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.261	S	999	240
VERT(CL): 0.522	S	981	180
HORZ(LL): 0.123	O	-	-
HORZ(TL): 0.247	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.844
Max Web CSI: 0.837

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1773	/-	/-	/1028	/-	/210
N	2811	/-	/-	/1457	/-	/-
L	-	/-536	/-	/38	/270	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.1 (Truss)
N Brg Wid = 4.0 Min Req = 2.9 (Truss)
L Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, N, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	316	-3237	G - H	333	-1558
C - D	397	-3584	H - I	364	-1775
D - E	417	-3189	I - J	315	-1734
E - F	415	-2545	J - K	211	-1371
F - G	377	-2255	K - L	1458	-135

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	2821	-231	Q - P	1523	-63
U - T	2913	-242	P - O	1175	-51
T - S	3242	-247	O - N	116	-797
S - R	2825	-175	N - L	170	-1252
R - Q	1999	-110			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	116	-605	Q - H	627	-98
D - S	79	-416	P - I	53	-597
S - E	1687	-106	P - J	447	-24
E - R	221	-1756	J - O	148	-879
F - R	964	-125	O - K	2198	-162
R - G	750	-11	K - N	308	-2673
G - Q	153	-991			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Loading

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

Purlins

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

Wind

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

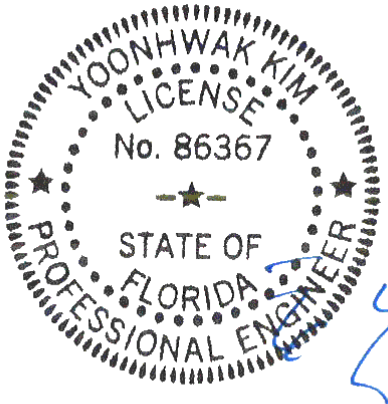
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -536# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 10-6-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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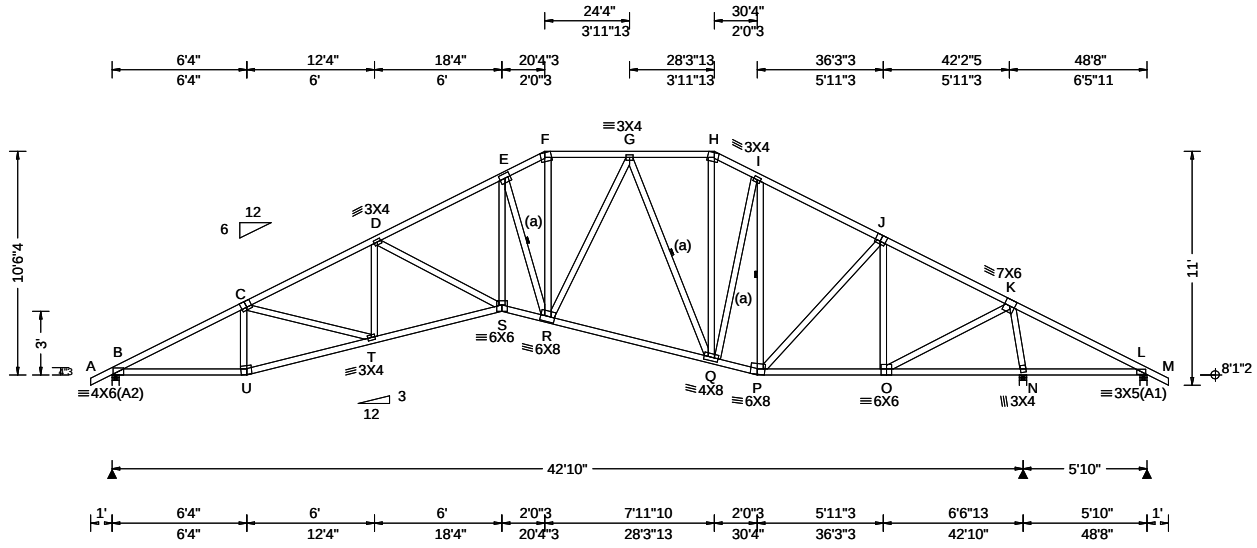
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681326 / COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C15	Cust: R 215 JRef:1XL12150004 T25 DrwNo: 332.22.1432.41338 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.261	S	999	240
VERT(CL): 0.522	S	981	180
HORZ(LL): 0.123	O	-	-
HORZ(TL): 0.247	O	-	-

Creep Factor: 2.0
Max TC CSI: 0.789
Max BC CSI: 0.844
Max Web CSI: 0.837

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	1773	/-	/-	/1028	/-	/210
N	2811	/-	/-	/1457	/-	/-
L	-	/-536	/-	/38	/270	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.1 (Truss)
N Brg Wid = 4.0 Min Req = 2.9 (Truss)
L Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, N, & L are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	316	-3237	G - H	333	-1558
C - D	397	-3584	H - I	364	-1775
D - E	417	-3189	I - J	315	-1734
E - F	415	-2545	J - K	211	-1371
F - G	377	-2255	K - L	1458	-135

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	2821	-231	Q - P	1523	-63
U - T	2913	-242	P - O	1175	-51
T - S	3242	-247	O - N	116	-797
S - R	2825	-175	N - L	170	-1252
R - Q	1999	-110			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	116	-605	Q - H	627	-98
D - S	79	-416	P - I	53	-597
S - E	1687	-106	P - J	447	-24
E - R	221	-1756	J - O	148	-879
F - R	964	-125	O - K	2198	-162
R - G	750	-11	K - N	308	-2673
G - Q	153	-991			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Loading

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

Purlins

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

Wind

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

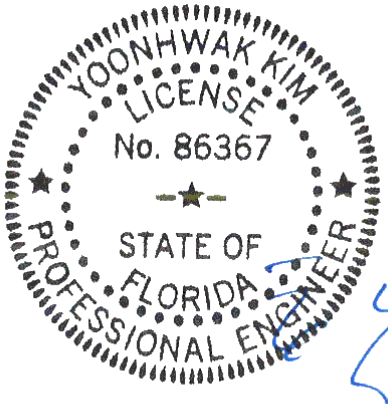
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -536# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

The overall height of this truss excluding overhang is 10-6-4.



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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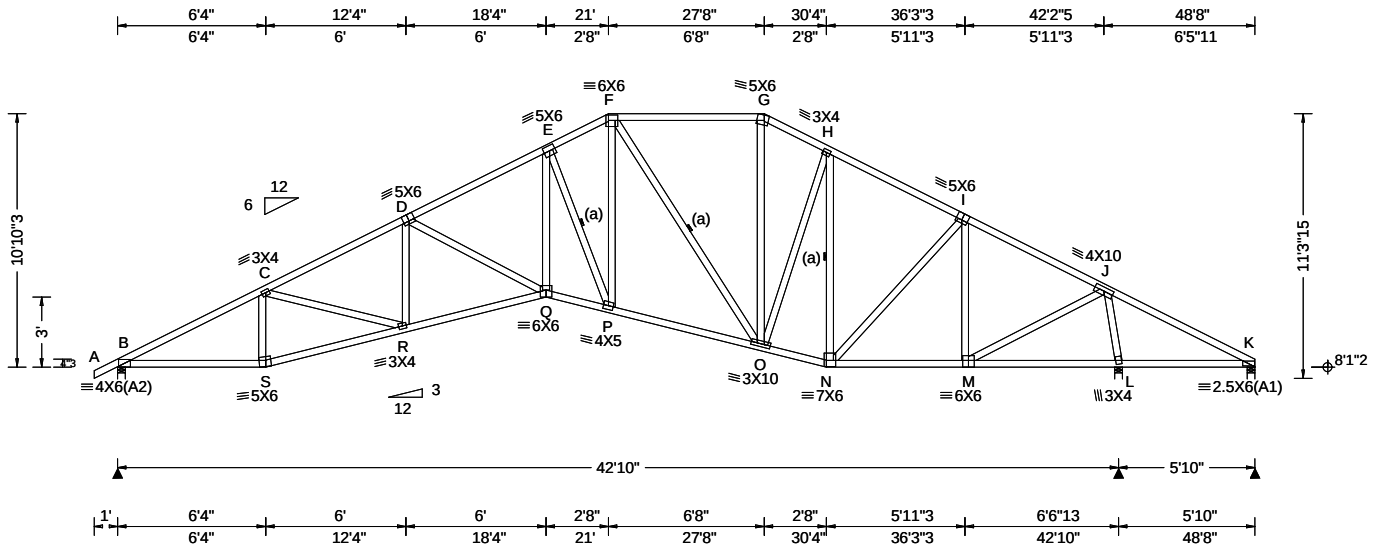
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681335 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C16	Cust: R 215 JRef:1XL12150004 T26 DrwNo: 332.22.1432.42573 AK / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.87 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.261	Q	999	240
VERT(CL): 0.535	Q	958	180
HORZ(LL): 0.124	M	-	-
HORZ(TL): 0.255	M	-	-

Creep Factor: 2.0
Max TC CSI: 0.934
Max BC CSI: 0.832
Max Web CSI: 0.801

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1761	/-	/-	/1029	/-	/209
L	2722	/-	/-	/1461	/-	/-
K	-	/-546	/-	/1	/281	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.1 (Truss)
L Brg Wid = 4.0 Min Req = 2.8 (Truss)
K Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B, L, & K are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	296	-3214	G - H	343	-1752
C - D	377	-3549	H - I	298	-1688
D - E	398	-3150	I - J	201	-1309
E - F	387	-2388	J - K	1413	-124
F - G	329	-1546			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	2800	-236	O - N	1481	-64
S - R	2891	-248	N - M	1120	-54
R - Q	3209	-252	M - L	86	-773
Q - P	2797	-181	L - K	137	-1211
P - O	2187	-118			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	117	-600	O - G	471	-15
D - Q	80	-420	N - H	60	-614
Q - E	1708	-98	N - I	468	-15
E - P	187	-1730	I - M	140	-905
P - F	1592	-109	M - J	2103	-144
F - O	94	-1017	J - L	293	-2570

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

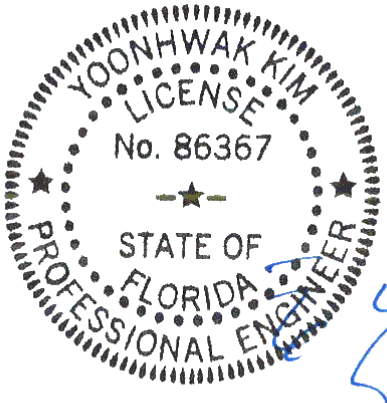
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -546# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

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



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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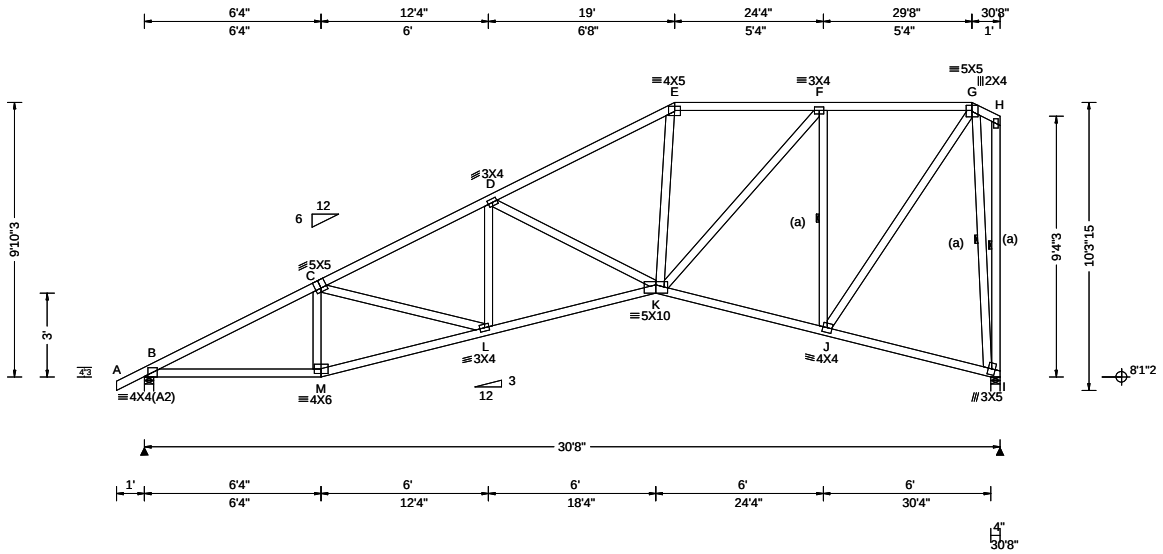
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 681338 / HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C17	Cust: R 215 JRef:1XL12150004 T10 DrwNo: 332.22.1432.41666 AK / YK 11/28/2022



Loading Criteria (psf)		Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL:	20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL:	10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.115 L 999 240
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.236 L 999 180
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.064 I - -
Des Ld:	40.00	EXP: B Kzt: NA		HORZ(TL): 0.132 I - -
NCBCLL:	10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit:	2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.476
Load Duration:	1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.579
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.581
		C&C Dist a: 3.07 ft	FT/RT:20(0)/10(0)	
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	
		GCpi: 0.18	WAVE	VIEW Ver: 21.02.01.1216.14
		Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1343	/-	/-	/803	/-	/172
I	1264	/-	/-	/692	/24	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (Truss)
I Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B & 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	154	-2317	E - F	298	-1467
C - D	262	-2344	F - G	186	-801
D - E	297	-1784			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2001	-313	L - K	2096	-357
M - L	2071	-327	K - J	874	-196

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	136	-385	F - J	329	-1073
D - K	64	-583	J - G	1242	-259
K - E	451	0	G - I	304	-1221
K - F	949	-152			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

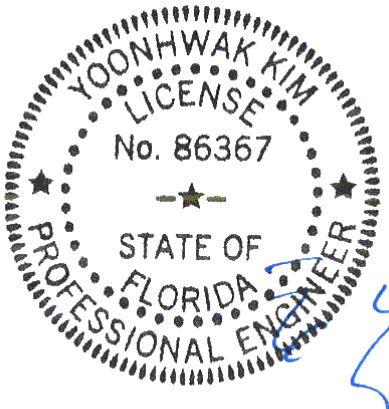
Wind loads based on MWFRS with additional C&C member design.

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 9-10-3.



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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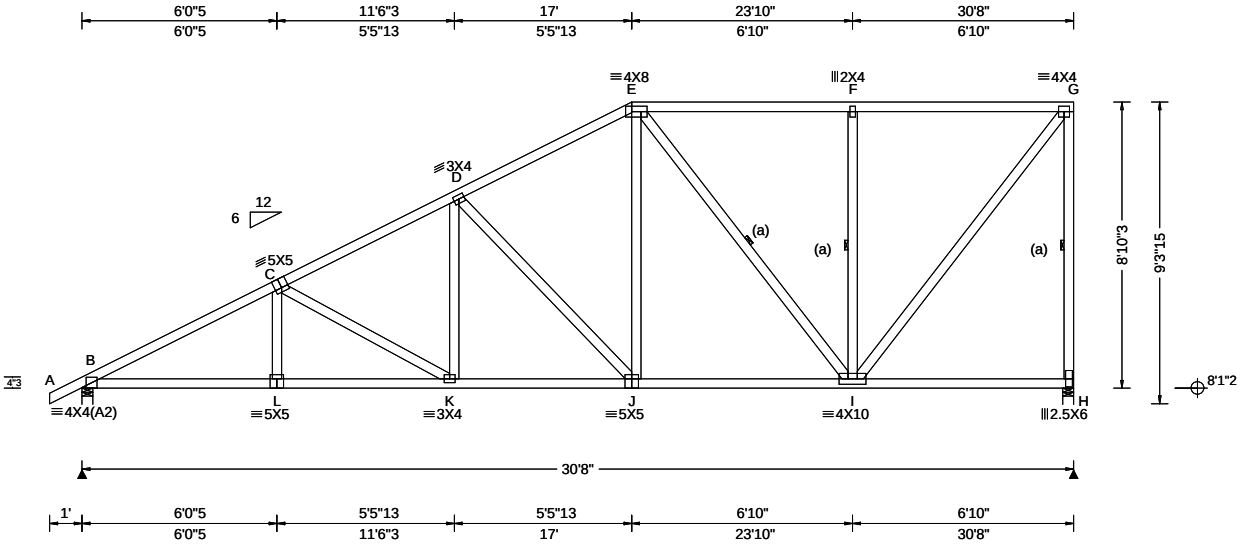
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679077 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C18	Cust: R 215 JRef:1XL12150004 T40 DrwNo: 332.22.1432.38947 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.07 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.089	K	999	240
VERT(CL): 0.182	K	999	180
HORZ(LL): 0.031	I	-	-
HORZ(TL): 0.063	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.820
Max BC CSI: 0.573
Max Web CSI: 0.794

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1337	/-	/-	/792	/-	/155
H	1255	/-	/-	/680	/46	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (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	199	-2307	E - F	200	-826
C - D	220	-1844	F - G	200	-826
D - E	235	-1342			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1993	-344	K - J	1567	-294
L - K	1991	-345	J - I	1132	-239

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	62	-475	E - I	63	-491
K - D	399	0	I - G	1324	-320
D - J	81	-640	F - I	281	-495
E - J	593	0	G - H	345	-1201

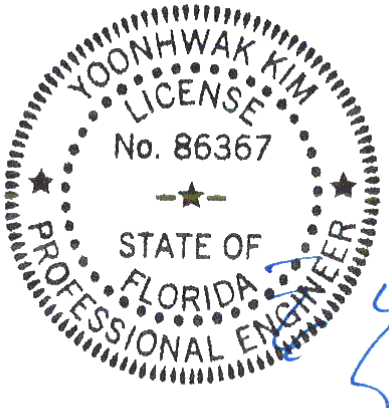
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
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 8-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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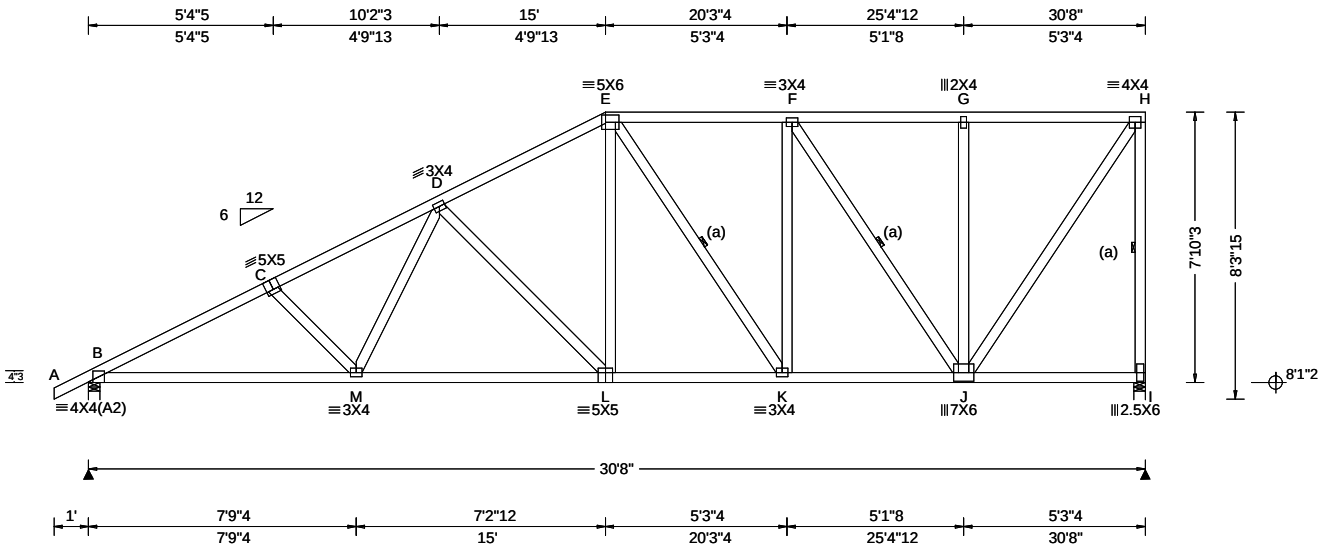
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679080 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C19	Cust: R 215 JRef:1XL12150004 T43 DrwNo: 332.22.1432.39119 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.07 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.086	D	999	240
VERT(CL): 0.177	D	999	180
HORZ(LL): 0.032	J	-	-
HORZ(TL): 0.065	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.411
Max BC CSI: 0.689
Max Web CSI: 0.542

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1337	/-	/-	/784	/-	/137
I	1255	/-	/-	/667	/48	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (Truss)
I Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B & 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	283	- 2314	E - F	290	- 1163
C - D	285	- 2105	F - G	198	- 753
D - E	302	- 1513	G - H	198	- 753

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2008	- 406	L - K	1291	- 301
M - L	1665	- 361	K - J	1152	- 291

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - D	425	0	F - J	169	- 724
D - L	87	- 541	J - H	1316	- 346
E - L	525	- 2	H - I	359	- 1213

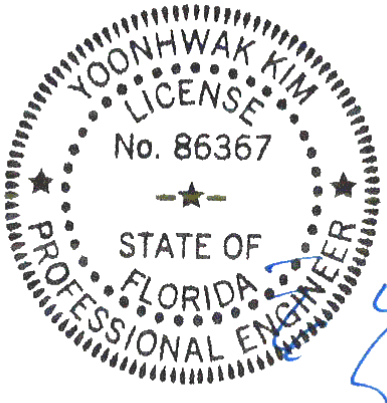
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
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 7-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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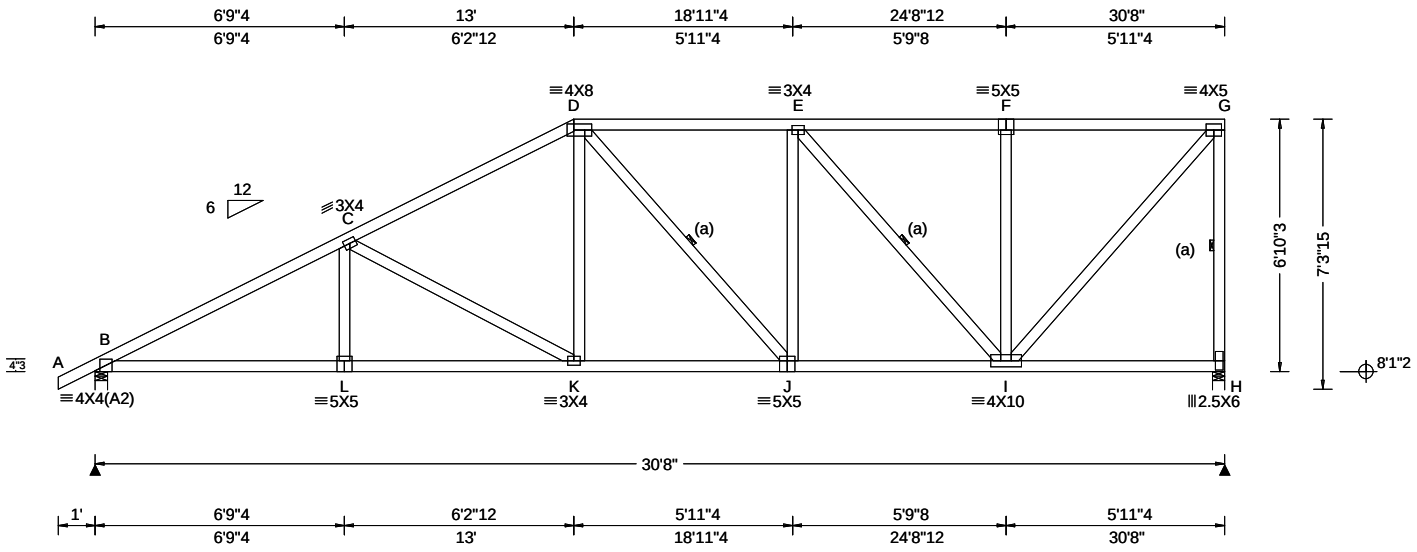
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679083 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C20	Cust: R 215 JRef:1XL12150004 T38 DrwNo: 332.22.1432.39494 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.07 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.086	K	999	240
VERT(CL): 0.175	K	999	180
HORZ(LL): 0.033	I	-	-
HORZ(TL): 0.067	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.539
Max BC CSI: 0.569
Max Web CSI: 0.574

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1337	/-	/-	/775	/39	/165
H	1255	/-	/-	/655	/74	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (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	336	-2282	E - F	259	-957
C - D	356	-1721	F - G	259	-957
D - E	364	-1414			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1965	-419	K - J	1459	-355
L - K	1962	-420	J - I	1406	-367

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	75	-577	I - G	1426	-385
D - K	457	0	F - I	228	-401
E - I	169	-688	G - H	371	-1207

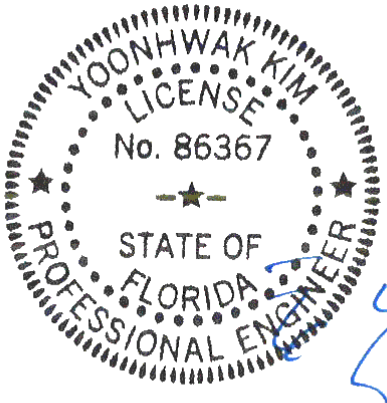
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 6-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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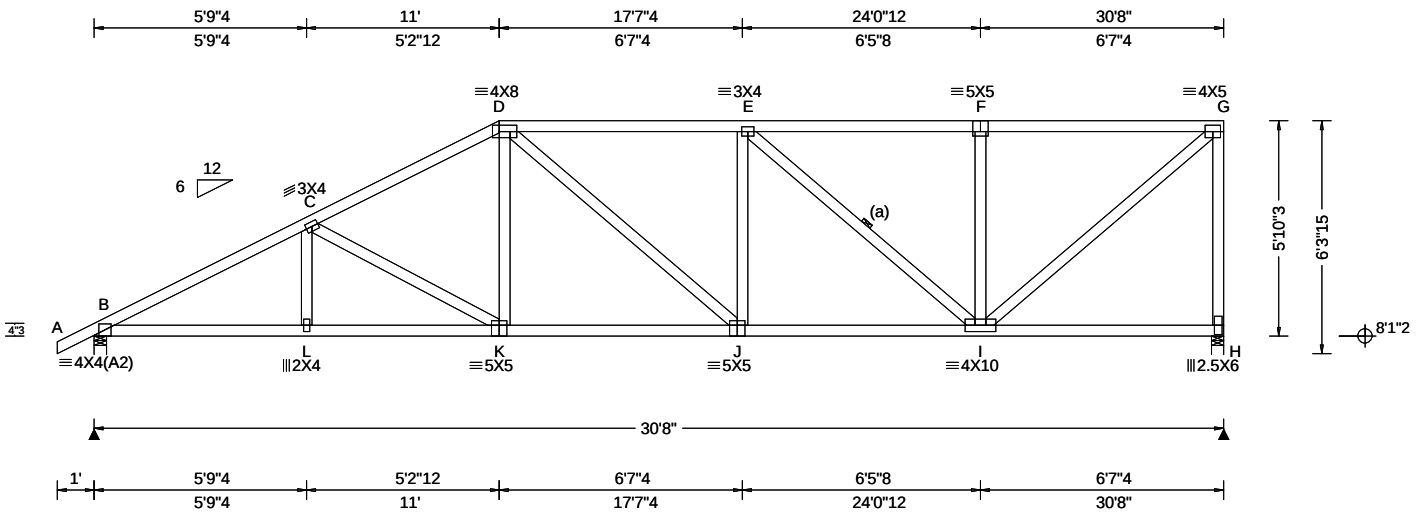
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679086 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C21	Cust: R 215 JRef:1XL12150004 T41 / DrwNo: 332.22.1432.39072 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.07 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.093	K	999	240
VERT(CL): 0.190	K	999	180
HORZ(LL): 0.034	I	-	-
HORZ(TL): 0.070	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.757
Max BC CSI: 0.622
Max Web CSI: 0.729

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1337	/-	/-	/763	/45	/141
H	1255	/-	/-	/645	/70	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (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	397	- 2313	E - F	340	- 1230
C - D	420	- 1881	F - G	340	- 1230
D - E	458	- 1732			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	2000	- 455	K - J	1621	- 410
L - K	1998	- 457	J - I	1730	- 464

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	56	- 435	I - G	1607	- 444
D - K	405	0	F - I	252	- 446
E - I	173	- 666	G - H	381	- 1202

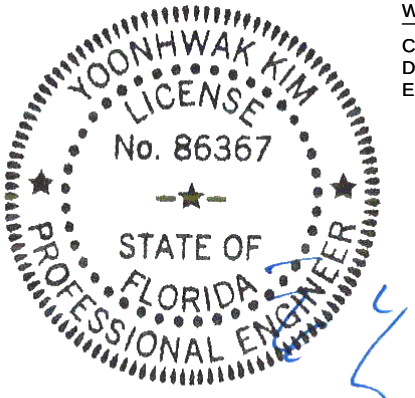
Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
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 5-10-3.



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11/28/2022 Florida Certificate of Product Approval #FL 1999

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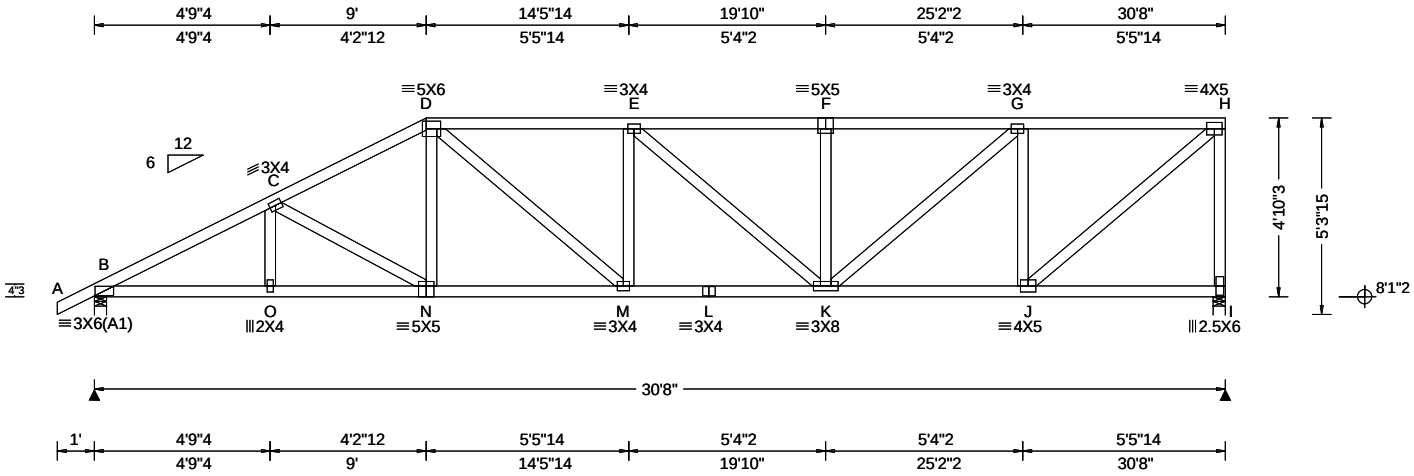
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679089 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C22	Cust: R 215 JRef:1XL12150004 T44 DrwNo: 332.22.1432.36589 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.07 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.117	E	999	240
VERT(CL): 0.240	E	999	180
HORZ(LL): 0.037	J	-	-
HORZ(TL): 0.075	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.514
Max BC CSI: 0.589
Max Web CSI: 0.629

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

Loc	Gravity R+	/ R-	/ Rh	Non-Gravity / Rw	/ U	/ RL
B	1337	/-	/-	/750	/51	/117
I	1255	/-	/-	/637	/67	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.6 (Truss)
I Brg Wid = 4.0 Min Req = 1.5 (Truss)
Bearings B & 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	459	- 2338	E - F	539	- 1956
C - D	484	- 2026	F - G	539	- 1956
D - E	572	- 2124	G - H	354	- 1256

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - O	2030	- 494	M - L	2136	- 581
O - N	2028	- 495	L - K	2136	- 581
N - M	1765	- 462	K - J	1316	- 377

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - M	471	- 166	J - H	1650	- 465
K - G	851	- 220	H - I	382	- 1212
G - J	364	- 951			

Lumber

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

Purlins

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

Wind

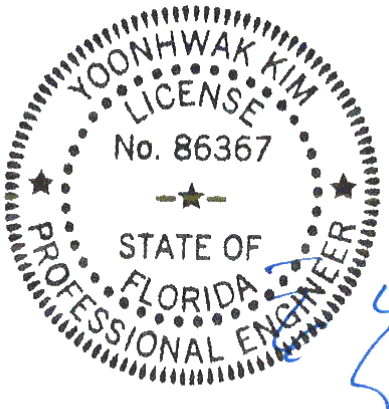
Wind loads based on MWFRS with additional C&C member design.

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 4-10-3.



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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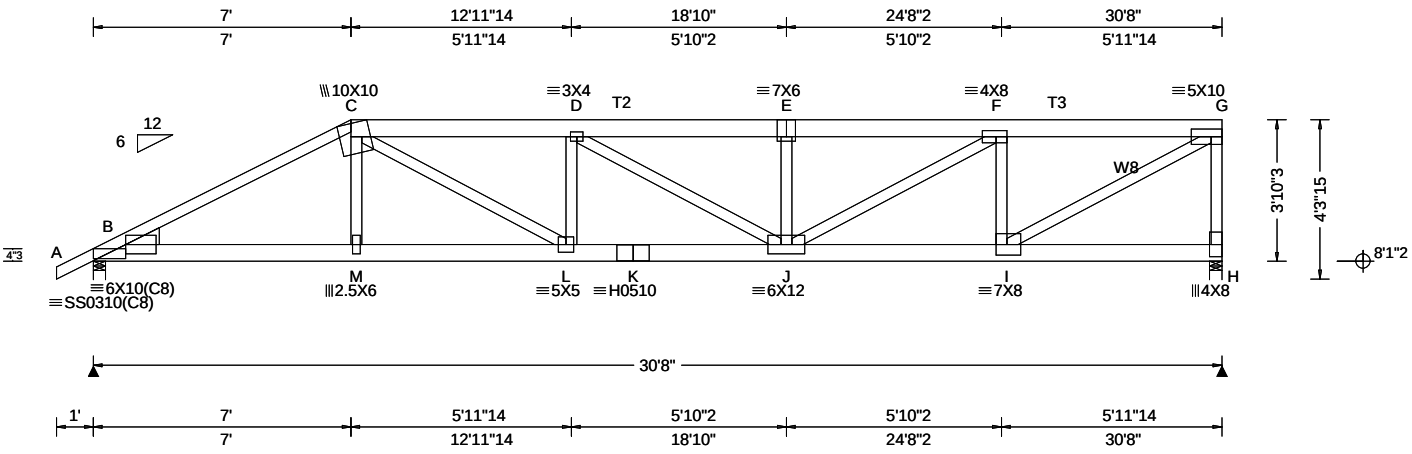
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 680064 / HIPM FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** C23	Cust: R 215 JRef:1XL12150004 T46 DrwNo: 332.22.1432.36588 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.07 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Varies by Ld Case
FT/RT:20(0)/10(0)
Plate Type(s):
18SS, WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.259	D	999	240
VERT(CL): 0.521	D	702	180
HORZ(LL): 0.057	C	-	-
HORZ(TL): 0.115	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.937
Max BC CSI: 0.482
Max Web CSI: 0.968

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	3042	/-	/-	/-	/209	/-
H	3061	/-	/-	/-	/239	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 2.5 (Truss)
H Brg Wid = 4.0 Min Req = 2.5 (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	433	- 6123	E - F	529	- 6936
C - D	539	- 7248	F - G	351	- 4567
D - E	529	- 6936			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	5416	- 373	K - J	7297	- 555
M - L	5448	- 368	J - I	4753	- 378
L - K	7297	- 555			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	751	0	E - J	169	- 660
C - L	2082	- 197	F - I	310	- 2160
L - D	194	- 604	I - G	5265	- 405
D - J	30	- 419	G - H	269	- 2909
J - F	2540	- 175			

Lumber

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

Special Loads

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

TC: From	62 plf at	-1.00 to	62 plf at	7.00
TC: From	31 plf at	7.00 to	31 plf at	30.67
BC: From	4 plf at	-1.00 to	4 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	30.67

TC: 433 lb Conc. Load at 7.03
TC: 191 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06
BC: 525 lb Conc. Load at 7.03
BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,21.06,23.06,25.06,27.06,29.06

Purlins

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

Wind

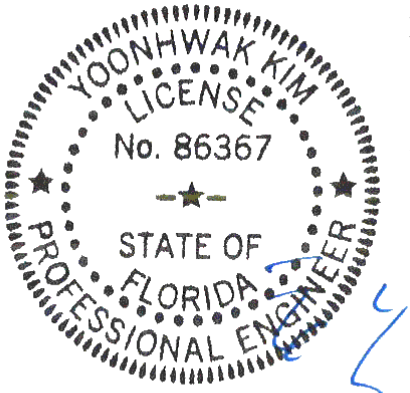
Wind loads and reactions based on MWFRS.

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 3-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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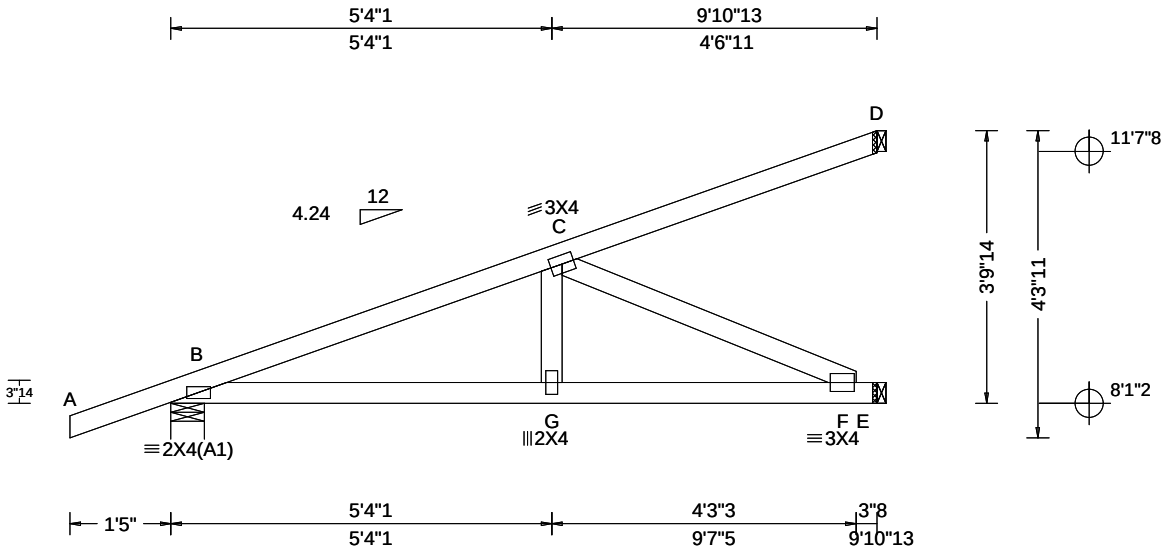
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 680060 / HIP_ FROM: CDM	Ply: 1 Qty: 3	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** HJ01	Cust: R 215 JRef:1XL12150004 T36 / DrwNo: 332.22.1432.38995 KD / WHK 11/28/2022



Loading Criteria (psf)
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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: NA
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.022	G	999	240
VERT(CL): 0.044	G	999	180
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.011	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.571
Max BC CSI: 0.544
Max Web CSI: 0.362

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	360	/-	/-	/-	/15	/-
E	395	/-	/-	/27	/-	/-
D	242	/-	/-	/-	/48	/-

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#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - C	28	-796

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	734	-24	G - F	726	-27

Maximum Web Forces Per Ply (lbs)

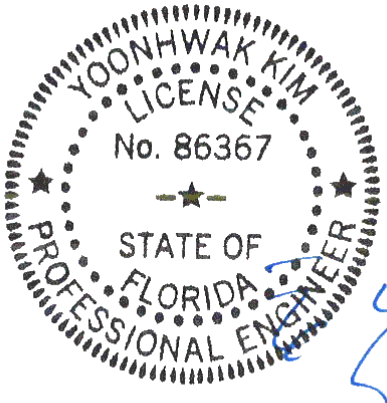
Webs	Tens.	Comp.
C - F	30	-801

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 3-9-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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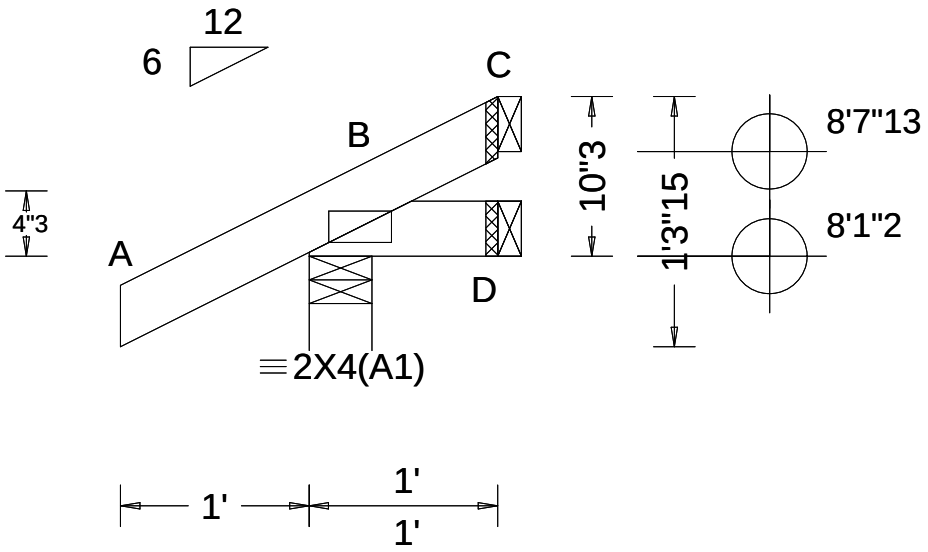
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679091 / JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J01	Cust: R 215 JRef:1XL12150004 T34 DrwNo: 332.22.1432.37666 KD / WHK 11/28/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.074 Max BC CSI: 0.010 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	166	/-	/-	/106	/13	/21
D	10	/-2	/-	/7	/3	/-
C	-	/-14	/-	/11	/14	/-

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;

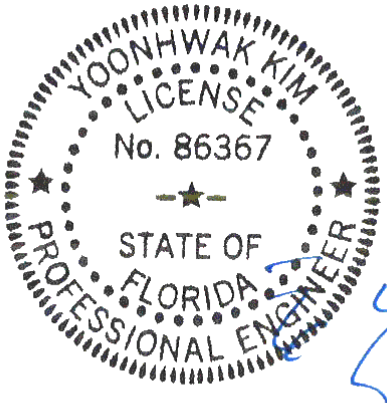
Wind

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 0-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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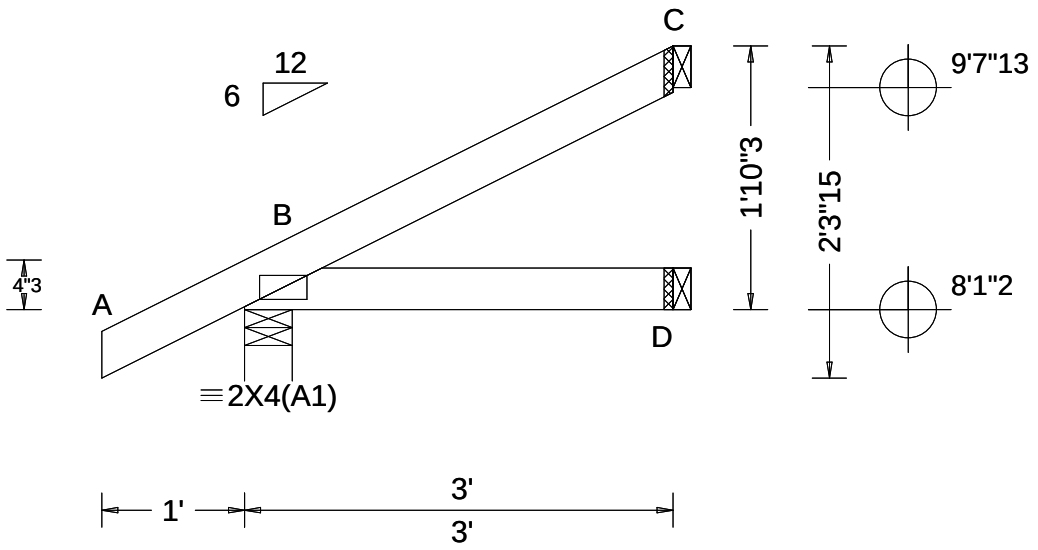
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679093 / JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J02	Cust: R 215 JRef:1XL12150004 T33 / DrwNo: 332.22.1432.34901 KD / WHK 11/28/2022



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 B - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.001 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.089
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.071
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.02.01.1216.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	212	/-	/-	/131	/4	/45
D	52	/-	/-	/28	/-	/-
C	72	/-	/-	/39	/21	/-

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;

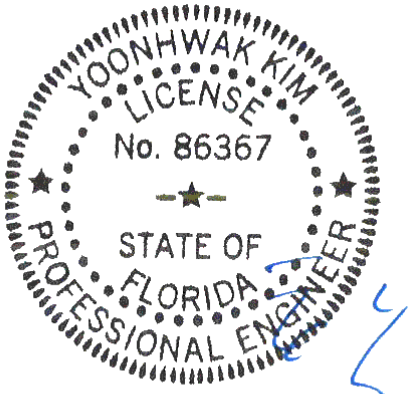
Wind

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 1-10-3.



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11/28/2022

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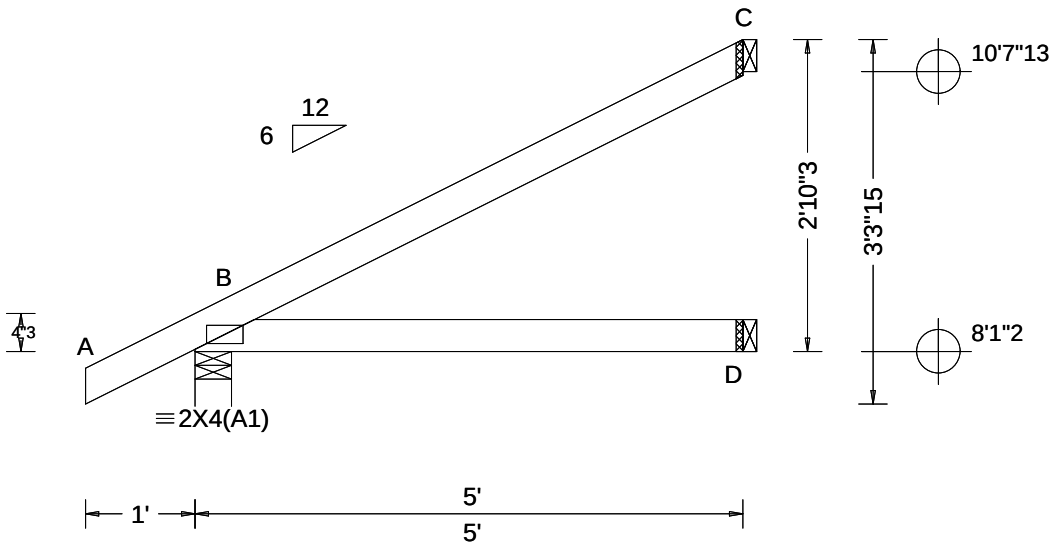
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679095 / JACK FROM: CDM	Ply: 1 Qty: 6	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J03	Cust: R 215 JRef:1XL12150004 T32 / DrwNo: 332.22.1432.34636 KD / WHK 11/28/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: B Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/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: 0.336 Max BC CSI: 0.243 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	288	/-	/-	/176	/-	/69
D	91	/-	/-	/51	/-	/-
C	133	/-	/-	/73	/37	/-

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;

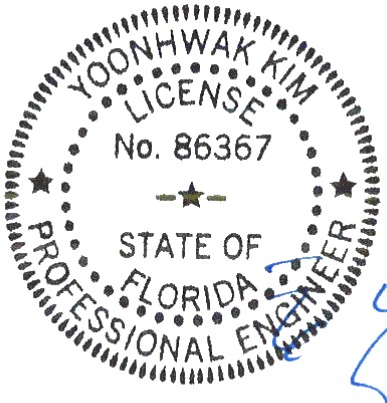
Wind

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 2-10-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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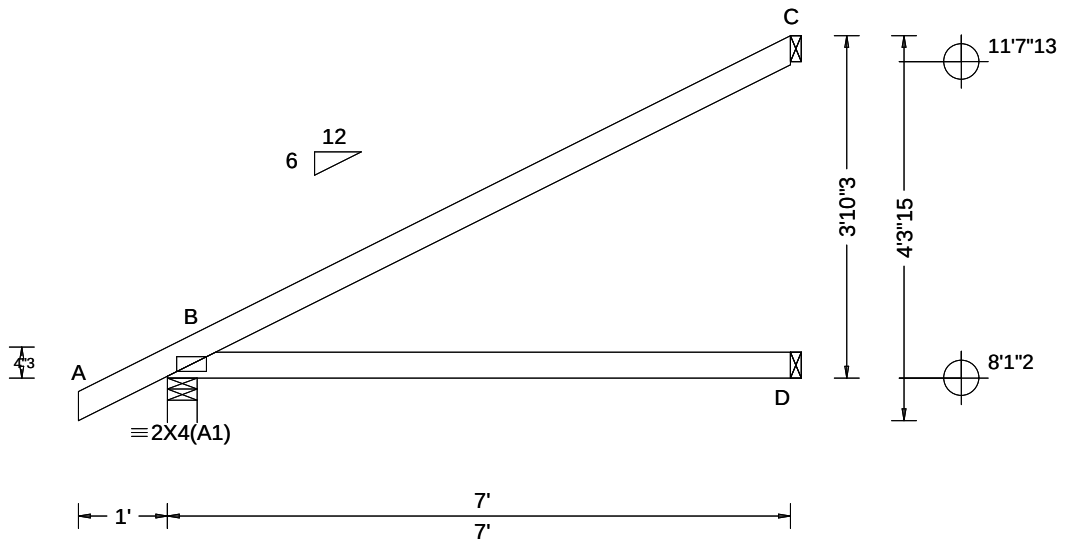
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679097 / EJAC FROM: CDM	Ply: 1 Qty: 20	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J04	Cust: R 215 JRef:1XL12150004 T35 / DrwNo: 332.22.1432.39135 KD / WHK 11/28/2022



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 B - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.031 B - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.740
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.522
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.000
	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	WAVE	VIEW Ver: 21.02.01.1216.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	368	/-	/-	/223	/-	/93
D	130	/-	/-	/73	/-	/-
C	191	/-	/-	/106	/52	/-

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 3-10-3.

YOONHWAK KIM LICENSE No. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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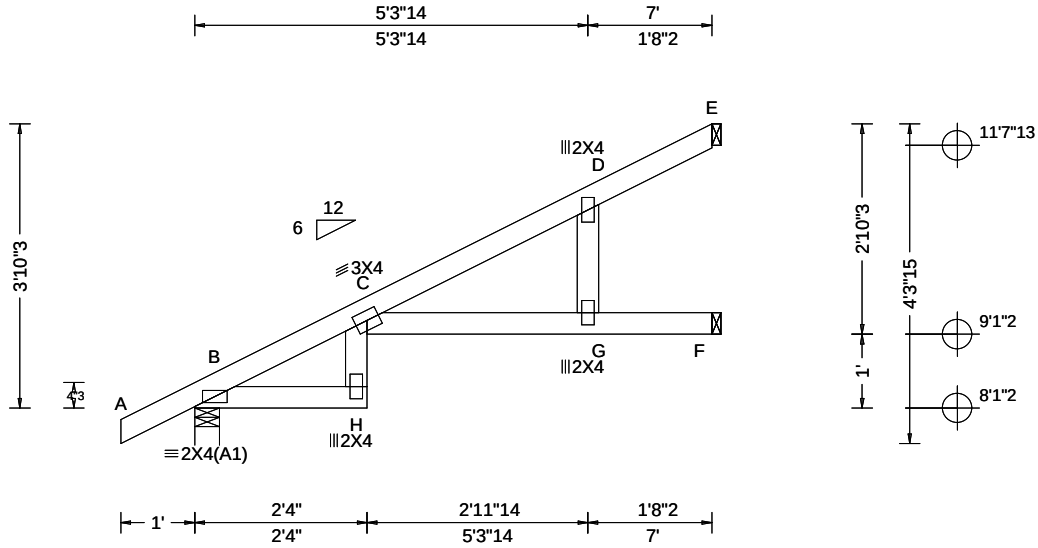
ALPINE AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679102 / EJAC FROM: CDM	Ply: 1 Qty: 5	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J05	Cust: R 215 JRef:1XL12150004 T14 DrwNo: 332.22.1432.36260 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.165	C	497	240
VERT(CL): 0.333	C	247	180
HORZ(LL): 0.093	G	-	-
HORZ(TL): 0.186	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.896
Max BC CSI: 0.462
Max Web CSI: 0.140

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	368	/-	/-	/223	/-	/93
F	168	/-	/-	/111	/16	/-
E	108	/-	/-	/68	/14	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
F Brg Wid = 1.5 Min Req = -
E Brg Wid = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

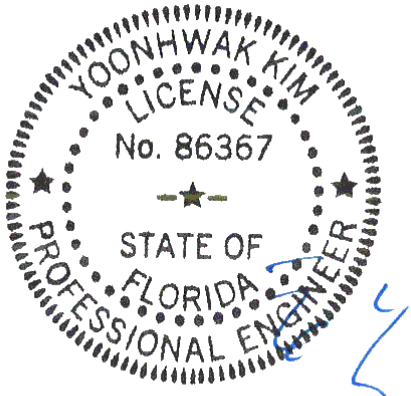
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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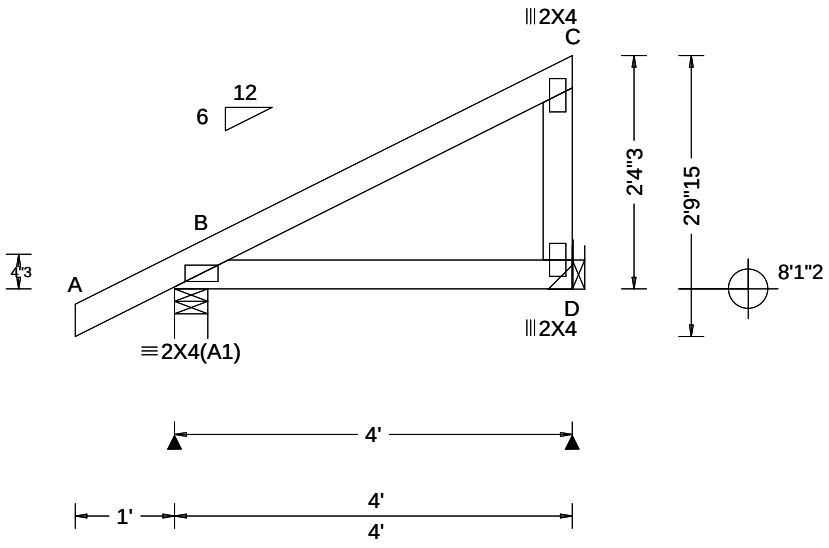
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679133 / MONO FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J06	Cust: R 215 JRef:1XL12150004 T39 DrwNo: 332.22.1432.40010 KD / WHK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	NA		
VERT(CL):	NA		
HORZ(LL):	0.002 B	-	-
HORZ(TL):	0.004 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.180
Max BC CSI: 0.135
Max Web CSI: 0.056

VIEW Ver: 21.02.01.1216.14

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	249	/-	/-	/153	/1	/57
D	147	/-	/-	/96	/16	/-

Wind reactions based on MWFRS
B Brg Wid = 4.0 Min Req = 1.5 (Truss)
D Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

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=3'9" ,y=8'1"2 uses the following support conditions: 3'9"
Bearing D (3'9", 8'1"2) LUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Additional Notes

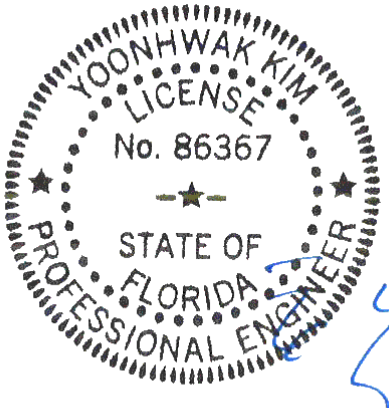
The overall height of this truss excluding overhang is 2-4-3.

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.



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11/28/2022

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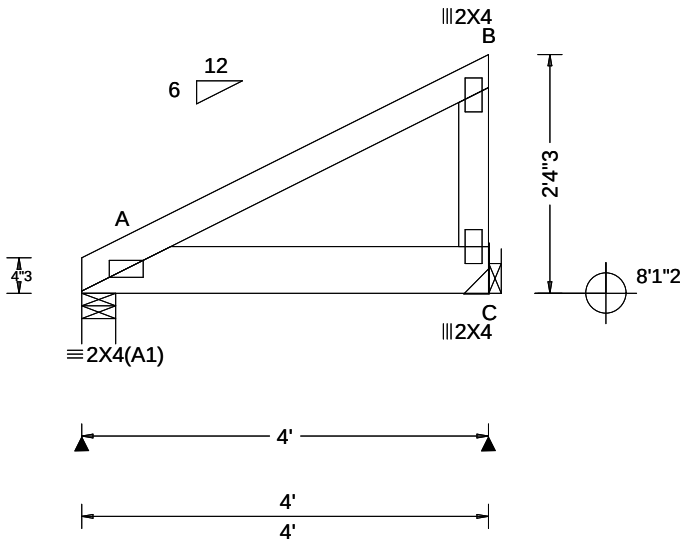
ALPINE
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 679141 / MONO FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** J07	Cust: R 215 JRef:1XL12150004 T12 DrwNo: 332.22.1432.38932 KD / WHK 11/28/2022



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.011 A - -
Des Ld: 40.00	EXP: B Kzt: NA		HORZ(TL): 0.022 A - -
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.484
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.631
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Varies by Ld Case	Max Web CSI: 0.100
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	
	GCpi: 0.18	WAVE	VIEW Ver: 21.02.01.1216.14
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	933	/-	/-	/-	/37	/-
C	913	/-	/-	/-	/36	/-

Wind reactions based on MWFRS
A Brg Wid = 4.0 Min Req = 1.5 (Truss)
C Brg Wid = - Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 62 plf at 0.00 to 62 plf at 4.00
BC: From 20 plf at 0.00 to 20 plf at 4.00
BC: 1516 lb Conc. Load at 2.06

Hangers / Ties

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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=3'9" ,y=8'1"2 uses the following support conditions: 3'9"
Bearing C (3'9", 8'1"2) LUS26
Supporting Member: (1)2x6 SP 2400f-2.0E
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

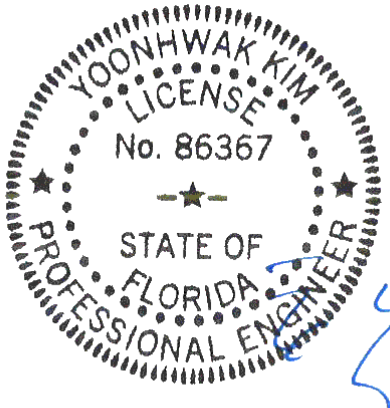
Wind loads and reactions based on MWFRS.

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 2-4-3.



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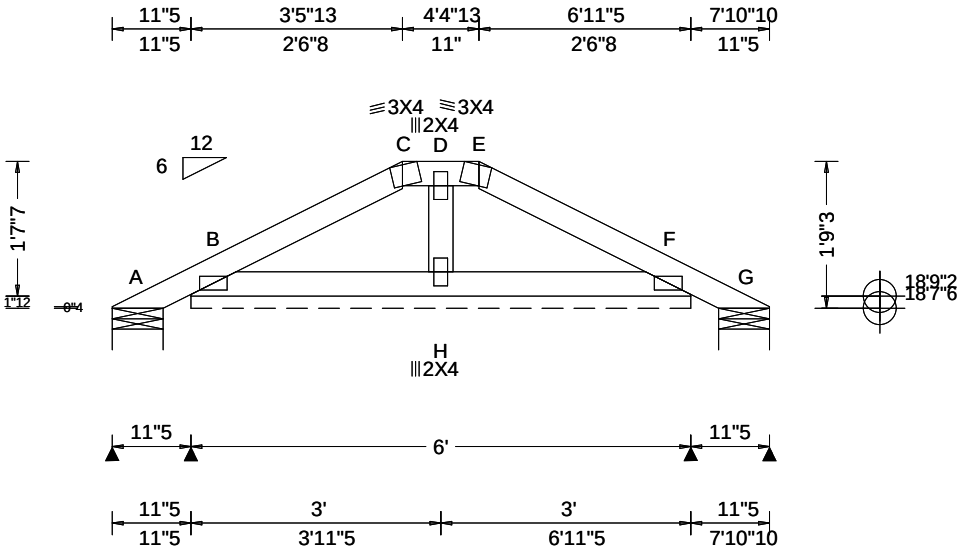
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 451113 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** PB01	Cust: R 215 JRef:1XL12150004 T13 DrwNo: 332.22.1436.46117 KD / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.51 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	C	999	240
VERT(CL): 0.001	C	999	180
HORZ(LL): 0.000	B	-	-
HORZ(TL): 0.001	B	-	-

Creep Factor: 2.0
Max TC CSI: 0.054
Max BC CSI: 0.040
Max Web CSI: 0.020

VIEW Ver: 21.02.01.1214.12

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	4	/-	/-	/21	/16	/30
B*	80	/-	/-	/54	/0	/-
G	4	/-	/-	/7	/2	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 72.0 Min Req = -
G Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & G 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.

Purlins

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

Wind

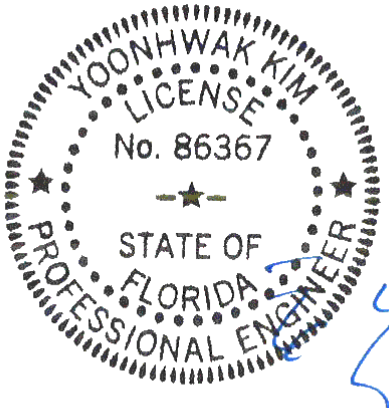
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

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



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11/28/2022

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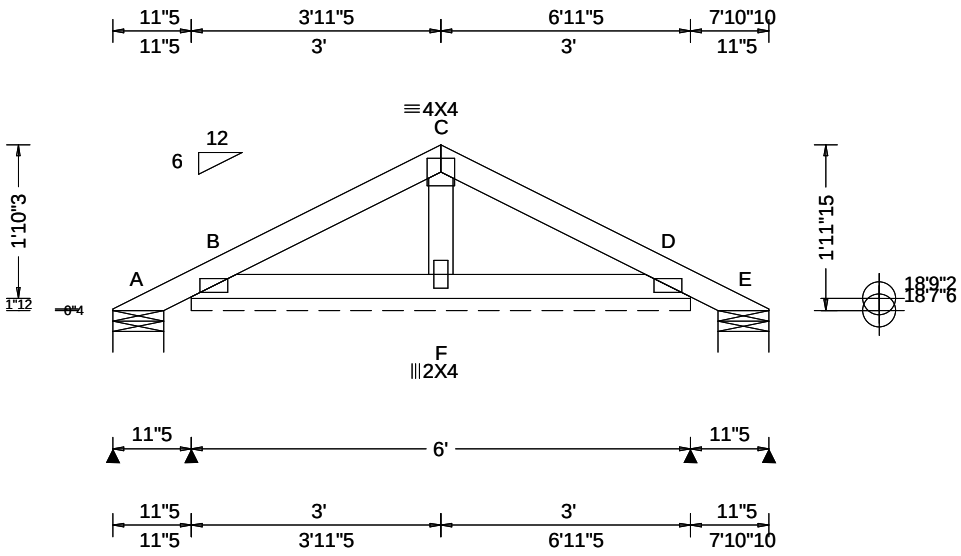
AN ITW COMPANY
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 451114 COMN FROM: CDM	Ply: 1 Qty: 2	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** PB02	Cust: R 215 JRef:1XL12150004 T24 DrwNo: 332.22.1436.47540 KD / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.62 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.001 B	999	240
VERT(CL):	0.002 B	999	180
HORZ(LL):	0.001 B	-	-
HORZ(TL):	0.001 B	-	-

Creep Factor: 2.0
Max TC CSI: 0.085
Max BC CSI: 0.045
Max Web CSI: 0.019

VIEW Ver: 21.02.01.1214.12

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	-	/-11	/-	/19	/21	/35
B*	85	/-	/-	/57	/1	/-
E	-	/-11	/-	/4	/6	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 72.0 Min Req = -
E Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Purlins

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

Wind

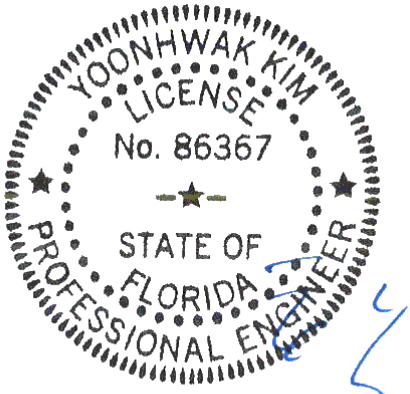
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 1-11-15.



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Florida Certificate of Product Approval #FL 1999
11/28/2022

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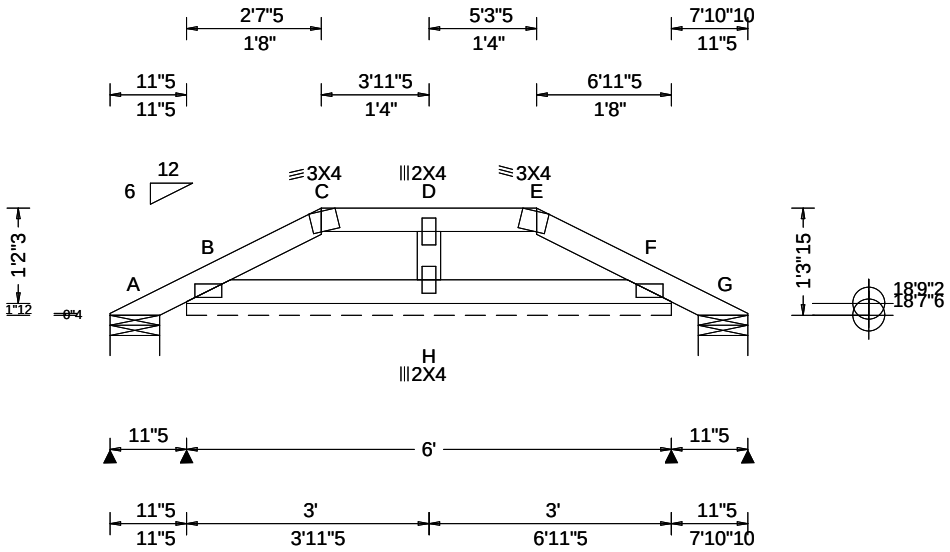
155 Harlem Ave
North Building, 4th Floor
Glenview, IL 60025

SEQN: 451115 HIPS FROM: CDM	Ply: 1 Qty: 1	**Job Number:** 22-8546 Cook (Inglewood - Craftsman) **Truss Label:** PB03	Cust: R 215 JRef:1XL12150004 T18 DrwNo: 332.22.1436.50150 KD / YK 11/28/2022



Loading Criteria (psf)

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 Criteria
Wind Std: ASCE 7-16
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: B Kzt: NA
Mean Height: 19.29 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 13.00 ft
GCpi: 0.18
Wind Duration: 1.60

Snow Criteria (Pg,Pf in PSF)
Pg: NA Ct: NA CAT: NA
Pf: NA Ce: NA
Lu: NA Cs: NA
Snow Duration: NA

Building Code:
FBC 7th Ed. 2020 Res.
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.001 C	999	240
VERT(CL):	0.002 C	999	180
HORZ(LL):	0.001 F	-	-
HORZ(TL):	0.001 F	-	-

Creep Factor: 2.0
Max TC CSI: 0.045
Max BC CSI: 0.037
Max Web CSI: 0.022

VIEW Ver: 21.02.01.1214.12

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	15	/-	/-	/20	/10	/22
B*	76	/-	/-	/51	/0	/-
G	15	/-	/-	/10	/1	/-

Wind reactions based on MWFRS
A Brg Wid = 7.3 Min Req = 1.5 (Truss)
B Brg Wid = 72.0 Min Req = -
G Brg Wid = 7.3 Min Req = 1.5 (Truss)
Bearings A, B, & G 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.

Purlins

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" oc, all BC @ 24" oc.

Wind

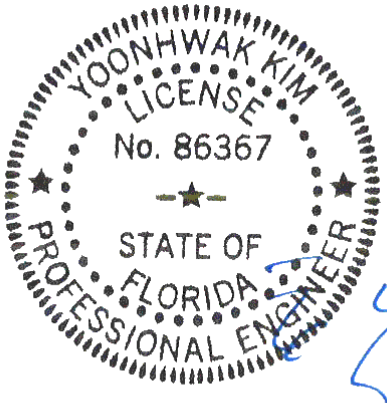
Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

Additional Notes

Refer to DWG PB160160118 for piggyback details.

The overall height of this truss excluding overhang is 1-3-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
Florida Certificate of Product Approval #FL 1999
11/28/2022

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

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

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch: #3, Stud, Standard

Southern Pine***: #3, Stud, Standard

Group B:

Hem-Fir: #1 & Btr, #1

Douglas Fir-Larch: #1, #2

Southern Pine***: #1, #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.

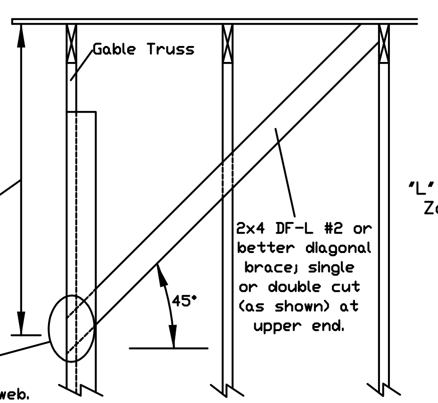
Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

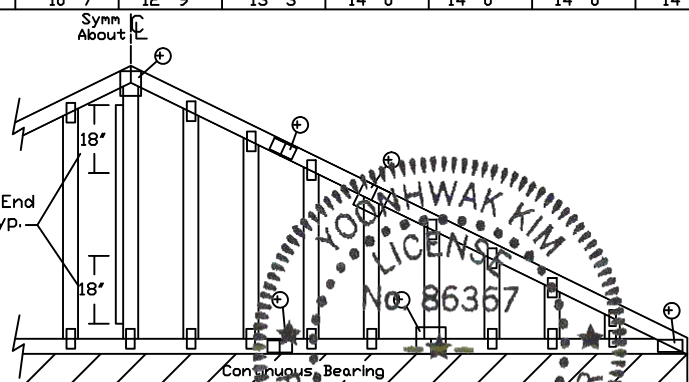
Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

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



Vertical length shown in table above.

Connect diagonal at midpoint of vertical web.



Refer to chart above for max gable vertical length.

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.

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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

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

YOONHWAK KIM LICENSE No 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

11/28/2022 ...78, Yoonhwak Kim, FL PE #86367

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

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

Gable Stud Reinforcement Detail

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

Or: 120 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph wind speed, 30' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).

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

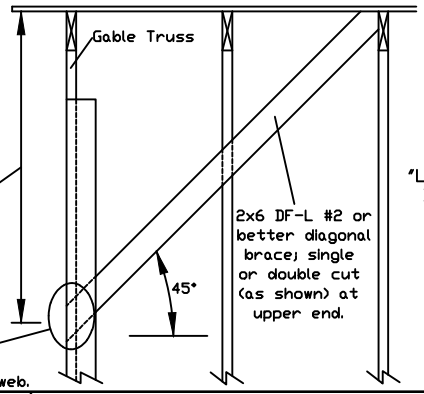
Attach 'L' braces with 10d (0.128"x3.0" min) nails.

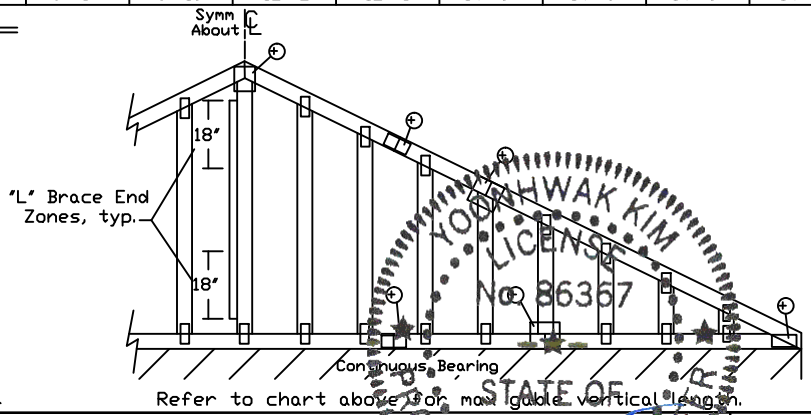
* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

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

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

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





Refer to chart above for max gable vertical length.

Gable Vertical Plate Sizes

Vertical Length	No Splice
Less than 4' 0"	2X4
Greater than 4' 0", but less than 11' 6"	3X4
Greater than 11' 6"	4X4

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

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

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155 Harlem Ave
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Glenview, IL 60025

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For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

FLORIDA PROFESSIONAL ENGINEER
YOONHWAK KIM LICENSE No. 86367
STATE OF

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-16-GAB14030
DATE	01/26/2018
DRWG	A14030ENC160118

1/26/2018
FL REG# 278, Yoonhwak Kim, FL PE #86367

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

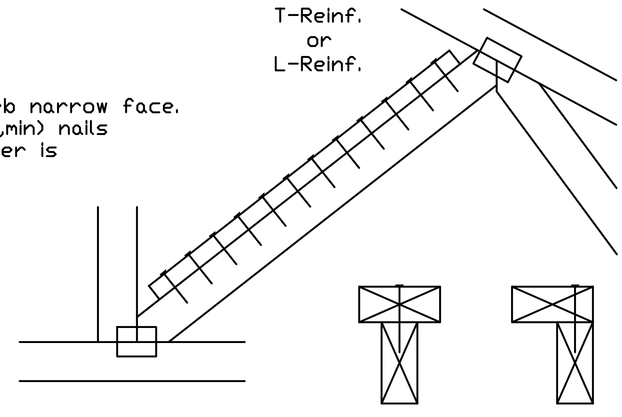
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Alternative Reinforcement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

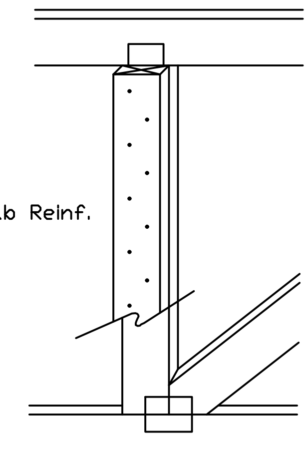
T-Reinforcement or L-Reinforcement:

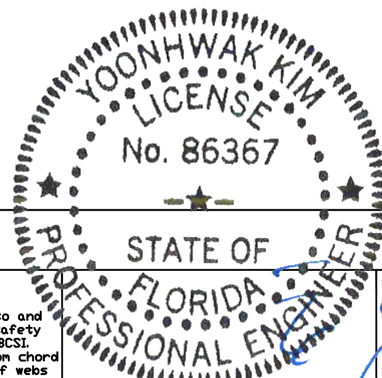
Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



Scab Reinforcement:

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





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

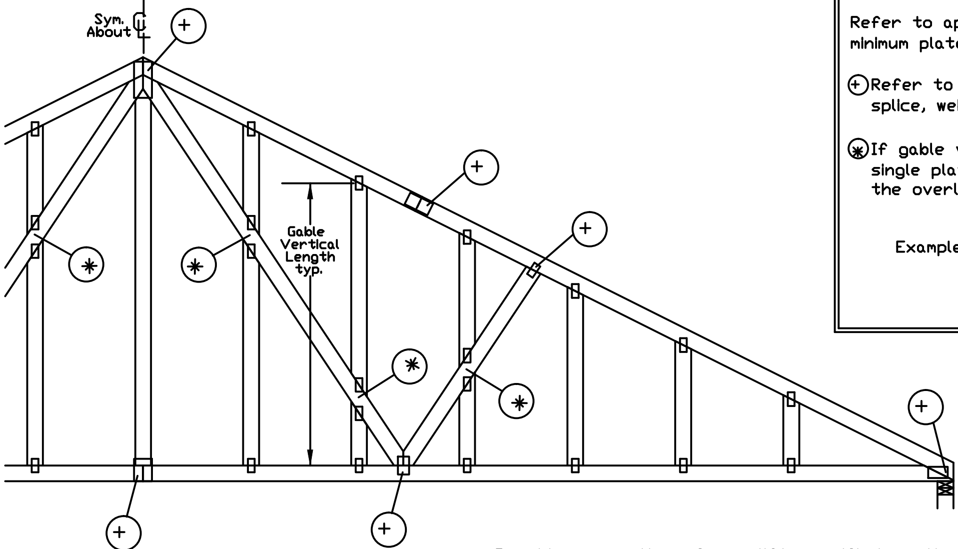
11/28/2022
FL REG# 278, Yoonhwak Kim, FL PE #86367

TC LL		PSF
TC DL		PSF
BC DL		PSF
BC LL		PSF
TOT. LD.		PSF
DUR. FAC.		
SPACING		

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

Gable Detail

For Let-in Verticals



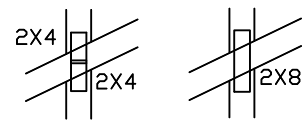
Gable Truss Plate Sizes

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

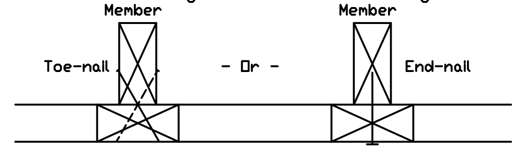
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

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

Example:



'T' Reinforcement Attachment Detail



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

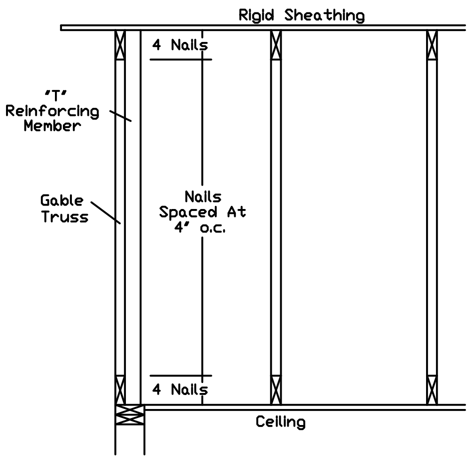
Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'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.

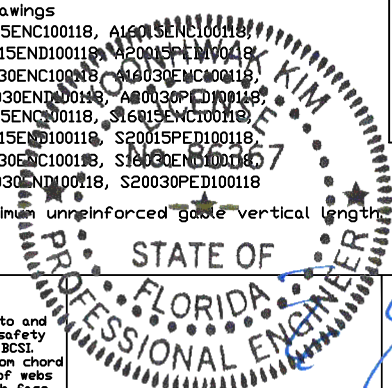
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus (4) toenails in the top and bottom chords.

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

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, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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



****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.

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 & bracing of trusses.

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

For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcacomponents.com; ICC: www.iccsafe.org

11/28/2022
FL REG#278, Yoonhwak Kim, FL PE #86367

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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"

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

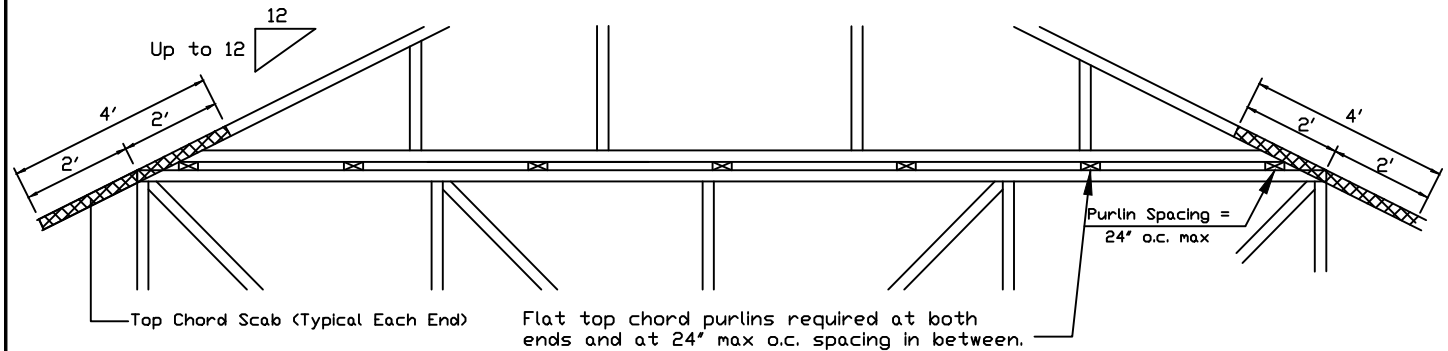
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24" o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

** Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

Detail A : Purlin Spacing = 24" o.c. or less



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

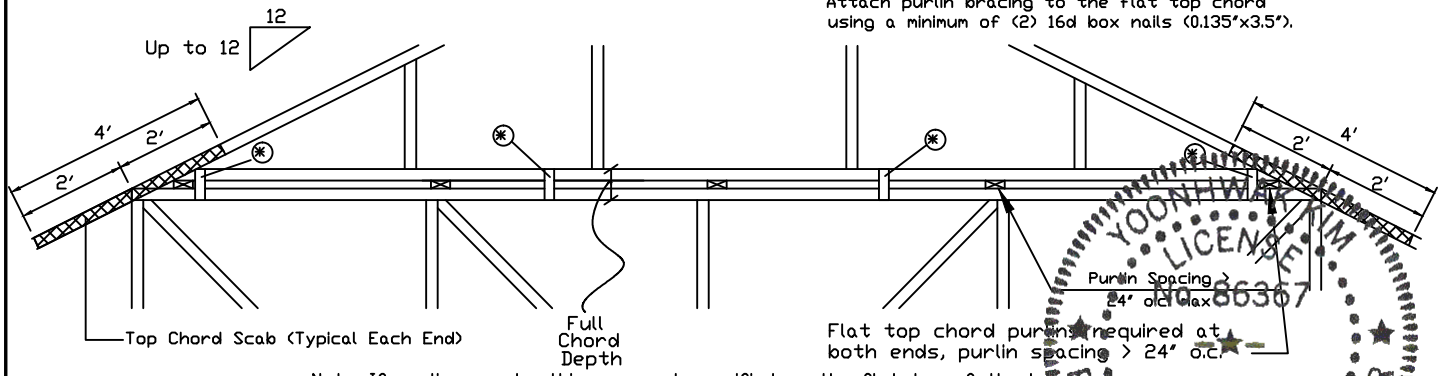
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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



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

* In addition, provide connection with one of the following methods:

Trulox
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

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

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

YOONHWAK KIM LICENSE NO. 86367 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Glenview, IL 60025

REF	PIGGYBACK
DATE	01/02/2018
DRWG	PB160160118
SPACING	24.0"

1/28/2022
FL Reg # 278, Yoonhwak Kim, FL PE #86367