

Alpine, an ITW Company
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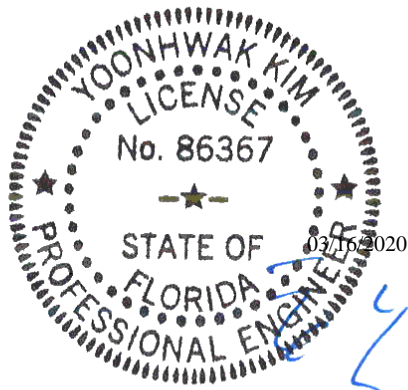
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4026
Job Description: /Heather Inventory Home /ZECHER CONSTRUCTION	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 18.02.01B through 19.02.02B JRef #: 1WTK2150002	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 46 truss drawing(s) and 7 detail(s).

Item	Drawing Number	Truss
1	076.20.1014.08633	A01
3	076.20.1014.15560	A03
5	076.20.1014.20690	A05
7	076.20.1014.24800	A07
9	076.20.1014.28820	A09
11	076.20.1014.34380	A11
13	076.20.1014.42407	A13
15	076.20.1014.47240	B02
17	076.20.1014.51897	B04
19	076.20.1015.03530	B06
21	076.20.1015.07923	B08
23	076.20.1015.10863	B10
25	076.20.1015.13857	B12
27	076.20.1015.16893	B14
29	076.20.1015.28163	C02
31	076.20.1015.39910	D01
33	076.20.1015.47077	J01
35	076.20.1015.49490	J03
37	076.20.1015.58520	J05HJ
39	076.20.1016.05040	J07
41	076.20.1016.15790	J09
43	076.20.1016.18320	PB02
45	076.20.1016.20653	V02
47	BRCLBSUB0119	
49	GBLLETIN0118	
51	PB160101014	

Item	Drawing Number	Truss
2	076.20.1014.12160	A02
4	076.20.1014.17683	A04
6	076.20.1014.22673	A06
8	076.20.1014.27047	A08
10	076.20.1014.30910	A10
12	076.20.1014.36997	A12
14	076.20.1014.45380	B01
16	076.20.1014.50190	B03
18	076.20.1014.55647	B05
20	076.20.1015.06353	B07
22	076.20.1015.09410	B09
24	076.20.1015.12267	B11
26	076.20.1015.15270	B13
28	076.20.1015.26527	C01
30	076.20.1015.35860	C03
32	076.20.1017.27160	D02
34	076.20.1015.48267	J02
36	076.20.1015.50913	J04
38	076.20.1016.03263	J06HJ
40	076.20.1016.10523	J08
42	076.20.1016.17207	PB01
44	076.20.1016.19627	V01
46	076.20.1016.22073	V03
48	A14015ENC101014	
50	CNNAILSP1014	
52	VAL160101014	



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4026
Job Description: /Heather Inventory Home /ZECHER CONSTRUCTION	
Address:	

Item	Drawing Number	Truss
53	160TL	

Item	Drawing Number	Truss

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.

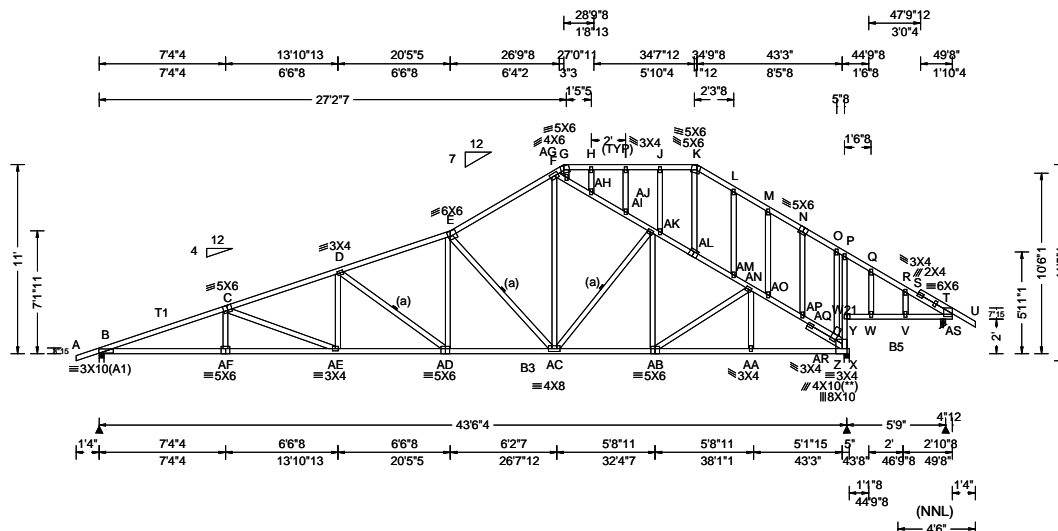
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; 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.sbcindustry.com.

SEQN: 307078 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHE CONSTRUCTION Truss Label: A01	Cust: R 215 JRef: 1WTK2150002 T19 DrwNo: 076.20.1014.08633 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCDL: 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 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.97 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.340 AD 999 240 VERT(CL): 0.689 AD 757 180 HORZ(LL): 0.172 V - - HORZ(TL): 0.355 V - - Creep Factor: 2.0 Max TC CSI: 0.901 Max BC CSI: 0.806 Max Web CSI: 0.820 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1902 - / - / - /1288 /45 /300 Z 1798 - / - / - /1158 - / - AS 575 - / - / - /387 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 Z Brg Width = 3.5 Min Req = 1.5 AS Brg Width = 3.5 Min Req = 1.5 Bearings B, Z, & AS are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B5 2x4 SP #2;
Webs: 2x4 SP #3; W21 2x4 SP #2;
Stack Chord: T9 2x4 SP #2;
Rt Slider: 2x4 SP #2; block length = 2.429'

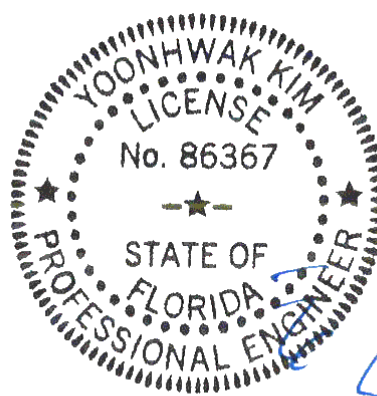
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 2X4 except as noted.
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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 cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
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 11-0-0.



Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	861 - 4733	E - F	432 - 2273
C - D	750 - 3989	S - T	220 - 483
D - E	600 - 3182		

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AF	4428 - 1045	AC-AB	2187 - 330
AF-AE	4424 - 1046	AB-AA	2394 - 234
AE-AD	3704 - 872	AA- Z	2399 - 234
AD-AC	2929 - 649	V - T	413 - 57

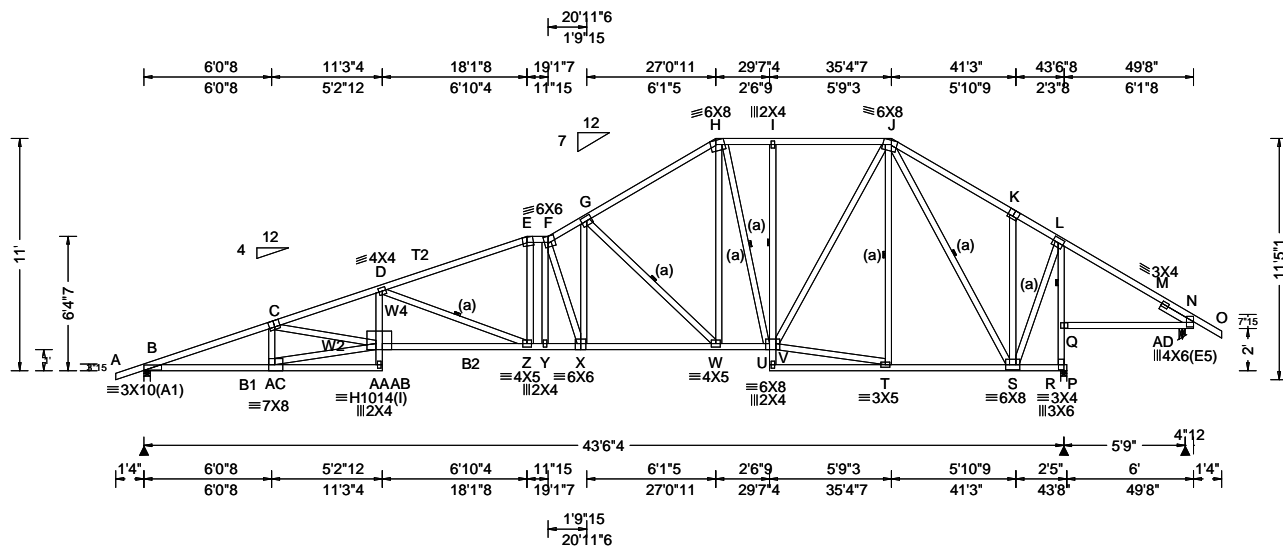
Webs	Tens.Comp.	Webs	Tens. Comp.
C - AE	211 - 751	AK-AL	389 - 2313
AE - D	473 - 59	AL-AM	378 - 2320
D - AD	273 - 938	AM-AN	357 - 2351
AD - E	691 - 145	AN-AO	296 - 2591
E - AC	446 - 1583	AO-AP	274 - 2610
F - AC	1691 - 283	AP-AQ	283 - 2740
F - AG	426 - 1980	AQ-AR	284 - 2757
AC-AJ	0 - 476	AR - O	75 - 602
AG-AH	401 - 1946	AR - Z	327 - 3086
AH-AI	413 - 1981	Z - Y	505 - 160
AI-AJ	424 - 2028	Y - P	555 - 152
AJ-AK	371 - 2215		

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03/16/2020

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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AN ITW COMPANY
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SEQN: 307079 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A02	Cust: R 215 JRRef: 1WTK2150002 T28 DrwNo: 076.20.1014.12160 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.97 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.407 AA 999 240 VERT(CL): 0.830 AA 625 180 HORZ(LL): 0.134 S - - HORZ(TL): 0.274 S - - Creep Factor: 2.0 Max TC CSI: 0.624 Max BC CSI: 0.793 Max Web CSI: 0.962 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1855 - / - / - /1206 /58 /367 R 2146 - / - / - /1202 /1 /- AD 323 - / - / - /278 /69 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 R Brg Width = 3.5 Min Req = 2.5 AD Brg Width = 3.5 Min Req = 1.5 Bearings B, R, & AD are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B1,B2 2x4 SP M-31;
Webs: 2x4 SP #3; W2,W4 2x4 SP #2;
Rt Slider: 2x4 SP #3; block length = 1.753'

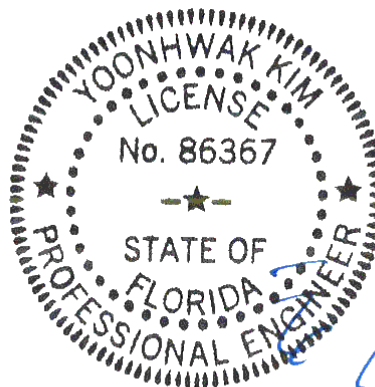
Bracing
(a) Continuous lateral restraint equally spaced on member.

Plating Notes
All plates are 5X6 except as noted.
(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 based on MWFRS with additional C&C member design.
Right cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
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 11-0-0.



Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	1079 - 4634	H - I	587 - 1712
C - D	1442 - 5857	I - J	586 - 1710
D - E	991 - 3937	J - K	377 - 635
E - F	979 - 3670	K - L	297 - 600
F - G	958 - 3655	M - N	1091 - 986
G - H	622 - 2246		

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AC	4342 - 1024	X - W	3146 - 656
AA - Z	5551 - 1331	W - U	1853 - 274
Z - Y	3671 - 817	T - S	1068 - 120
Y - X	3673 - 814		

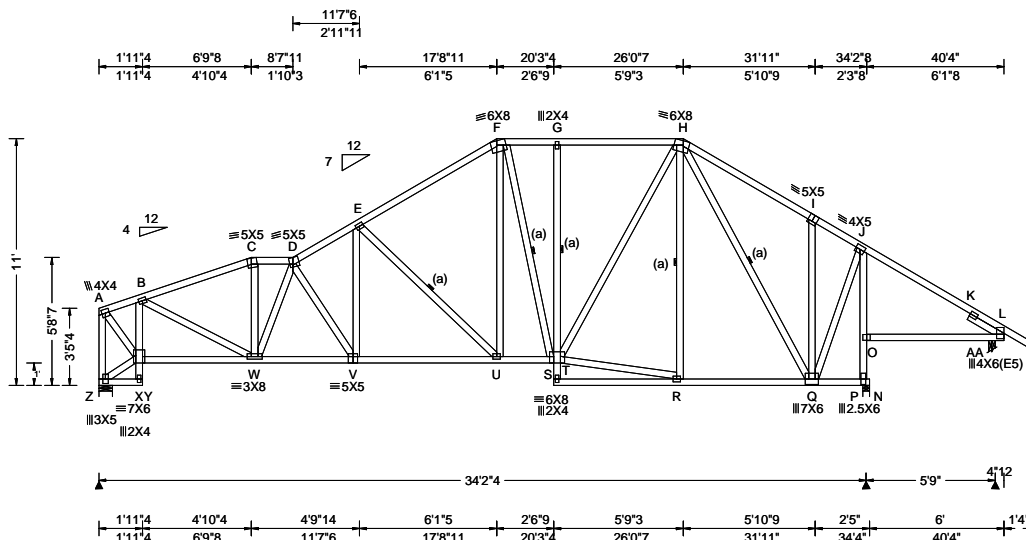
Webbs	Tens.Comp.	Webbs	Tens. Comp.
C - AC	255 - 893	H - W	1284 - 344
C - AA	1214 - 309	H - U	149 - 511
AC - AA	4263 - 1003	U - T	1064 - 120
AA - D	979 - 188	U - J	1269 - 260
D - Z	553 - 2023	J - S	140 - 1275
E - Z	781 - 124	S - L	1544 - 213
F - X	491 - 1611	L - Q	396 - 2075
X - G	1637 - 431	Q - R	390 - 2135
G - W	538 - 1819		

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

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SEQN: 307080	COMN	Ply: 1	Job Number: 20-4026	Cust: R 215 JRef:1WTK2150002 T31
FROM: CDM		Qty: 1	/Heather Inventory Home /ZECHER CONSTRUCTION	DrwNo: 076.20.1014.15560
			Truss Label: A03	/ YK 03/16/2020



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.03 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.089 V 999 240 VERT(CL): 0.183 V 999 180 HORZ(LL): 0.048 P - - HORZ(TL): 0.100 P - - Creep Factor: 2.0 Max TC CSI: 0.493 Max BC CSI: 0.570 Max Web CSI: 0.652 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Z 1398 -/ - /812 /32 /293 P 1680 -/ - /896 -/ -/ AA 365 -/ - /306 /51 -/ Wind reactions based on MWFRS Z Brg Width = 7.3 Min Req = 1.6 P Brg Width = 3.5 Min Req = 2.0 AA Brg Width = 3.5 Min Req = 1.5 Bearings Z, P, & AA 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.

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.753'

(a) Continuous lateral restraint equally spaced on member

All plates are 3X4 except as noted.

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

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

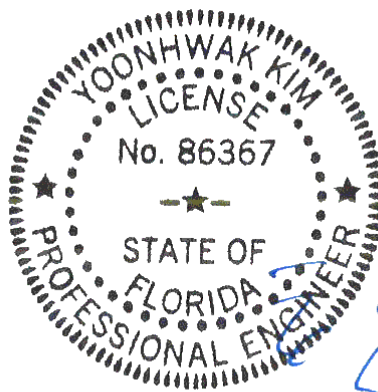
Right cantilever is exposed to wind

Refer to General Notes for additional information

A - B	263 - 1030	F - G	344 - 1212
B - C	426 - 1913	G - H	352 - 1211
C - D	432 - 1779	H - I	324 - 572
D - E	467 - 2107	I - J	239 - 526
E - F	370 - 1552	K - L	1099 - 1050

Chords	Tens.	Comp.	Chords	Tens.	Comp.
X - W	1013	- 383	U - S	1254	- 112
W - V	2048	- 412	R - Q	824	- 12
V - U	1797	- 319			

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Z	345 - 1367	F - U	583 - 179
A - X	1421 - 353	S - R	820 - 12
X - B	286 - 943	S - H	766 - 125
B - W	865 - 178	H - Q	39 - 875
W - D	101 - 742	Q - J	1181 - 80
D - V	171 - 447	J - O	227 - 1611
V - E	506 - 130	O - P	220 - 1662
E - U	291 - 766		



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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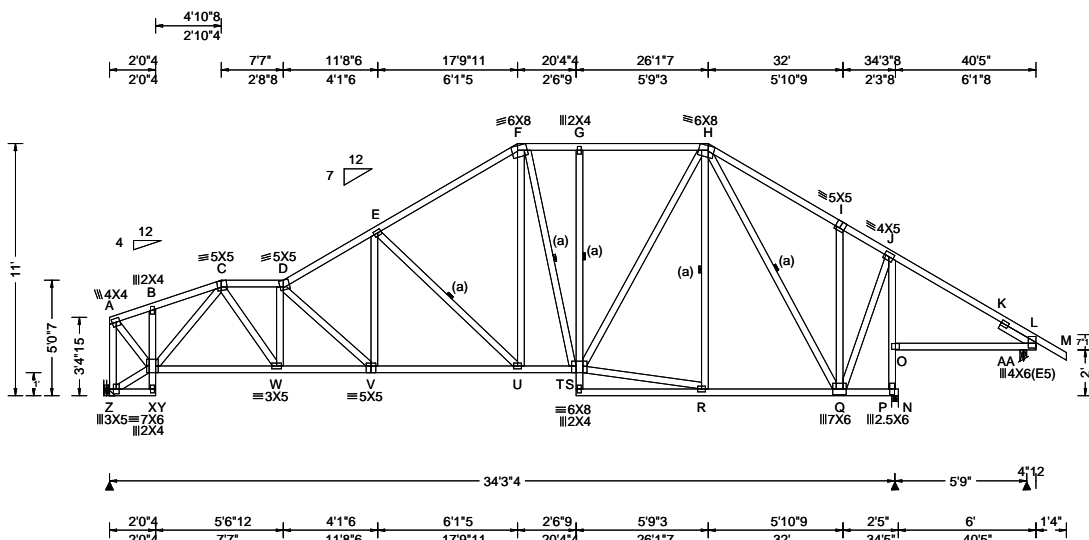
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. **A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307081 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A04	Cust: R 215 JRef: 1WTK2150002 T27 DrwNo: 076.20.1014.17683 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.095 V 999 240 VERT(CL): 0.195 V 999 180 HORZ(LL): 0.053 O - - HORZ(TL): 0.109 O - - Creep Factor: 2.0 Max TC CSI: 0.470 Max BC CSI: 0.591 Max Web CSI: 0.656 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Z 1402 - / - / - /807 /31 /294 P 1686 - / - / - /900 - / - AA 364 - / - / - /305 /52 - Wind reactions based on MWFRS Z Brg Width = - Min Req = - P Brg Width = 3.5 Min Req = 2.0 AA Brg Width = 3.5 Min Req = 1.5 Bearings P & AA are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.753'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

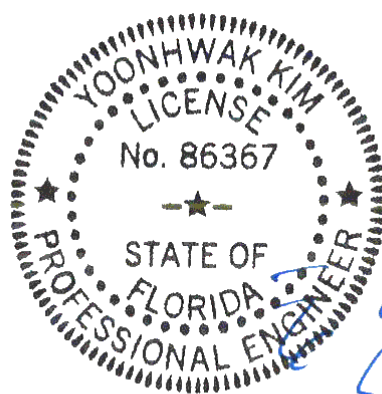
Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
X - W	1601 -389	U - S	1260 -111
W - V	2232 -479	R - Q	826 -12
V - U	1812 -320		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - Z	354 -1372	F - U	591 -181
A - X	1399 -348	S - R	823 -12
X - C	213 -961	S - H	771 -124
C - W	1047 -163	H - Q	38 -880
W - D	160 -835	Q - J	1185 -80
D - V	215 -561	J - O	228 -1617
V - E	515 -135	O - P	220 -1668
E - U	294 -778		

FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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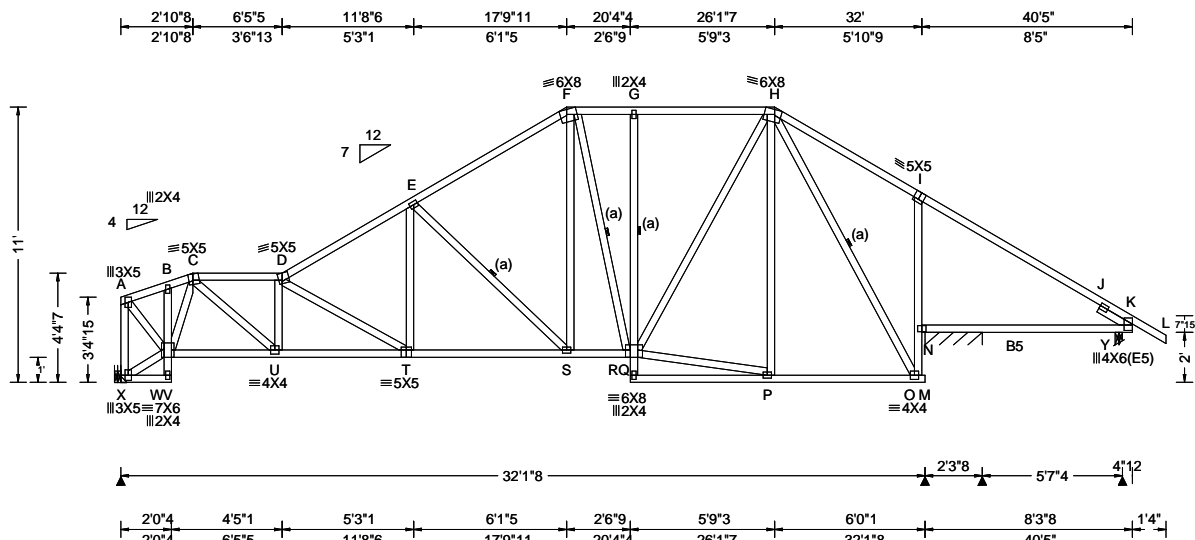
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307082 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A05	Cust: R 215 JRef: 1WTK2150002 T17 DrwNo: 076.20.1014.20690 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.096 T 999 240 VERT(CL): 0.198 T 999 180 HORZ(LL): 0.054 M - - HORZ(TL): 0.113 M - - Creep Factor: 2.0 Max TC CSI: 0.909 Max BC CSI: 0.653 Max Web CSI: 0.880 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL X 1315 -/- /- /748 /33 /295 N* 727 -/- /- /404 -/- /- Y 470 -/- /- /356 /59 /- N -/-138 Wind reactions based on MWFRS X Brg Width = - Min Req = - N Brg Width = 27.5 Min Req = - Y Brg Width = 3.5 Min Req = 1.5 Bearings N & Y are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

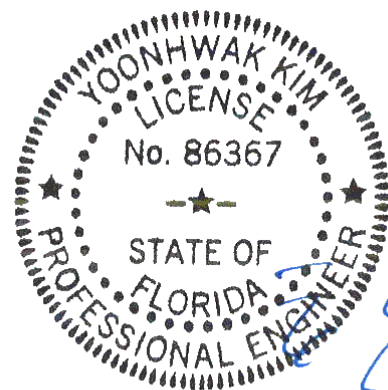
Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

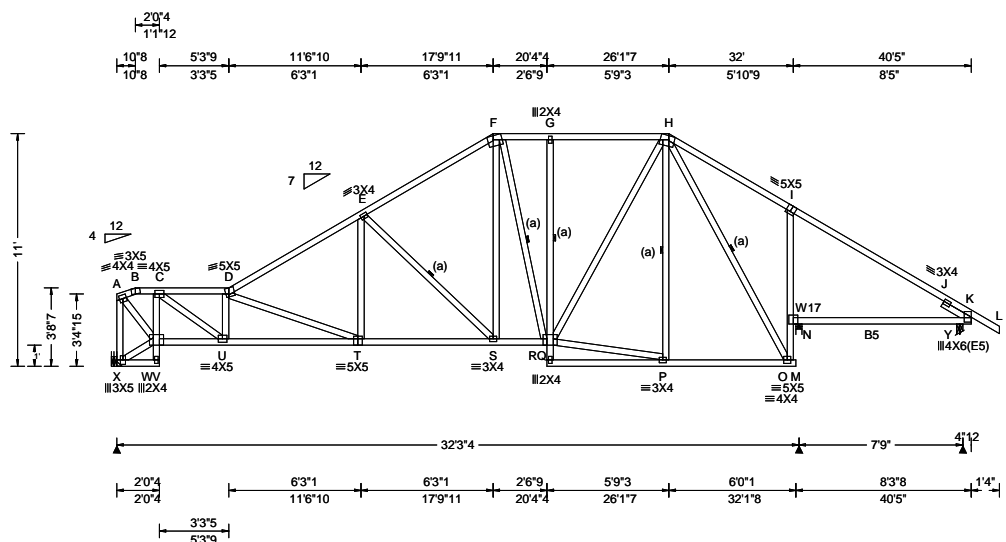
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307083 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A06	Cust: R 215 JRRef: 1WTK2150002 T30 DrwNo: 076.20.1014.22673 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.122 T 999 240 VERT(CL): 0.248 T 999 180 HORZ(LL): 0.076 M - - HORZ(TL): 0.161 M - - Creep Factor: 2.0 Max TC CSI: 0.837 Max BC CSI: 0.772 Max Web CSI: 0.854 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL X 1329 -/- /- /743 /32 /295 N 1670 -/- /- /922 -/- /- Y 452 -/- /- /360 /60 -/- Non-Gravity X Brg Width = - Min Req = - N Brg Width = 3.5 Min Req = 1.5 Y Brg Width = 3.5 Min Req = 1.5 Bearings N & Y are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; Bot chord: 2x4 SP #2; B5 2x4 SP M-31; Webs: 2x4 SP #3; W17 2x4 SP #2; Rt Slider: 2x4 SP #3; block length = 1.500'	Chords Tens.Comp. Chords Tens. Comp. A - B 255 - 1075 E - F 346 - 1401 B - C 255 - 1055 F - G 325 - 1054 C - D 501 - 2383 G - H 325 - 1053 D - E 405 - 2056 J - K 2466 - 2605

Bracing	Maximum Web Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp. V - U 1116 - 363 S - Q 1117 - 109 U - T 2505 - 553 P - O 638 - 11 T - S 1684 - 277

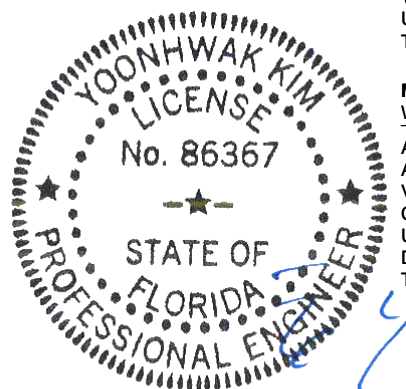
Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 6X8 except as noted.	Chords Tens.Comp. Chords Tens. Comp. A - X 313 - 1288 E - S 274 - 799 A - V 1490 - 342 F - S 602 - 170 V - C 259 - 959 Q - P 634 - 11 C - U 1633 - 340 Q - H 829 - 120 U - D 238 - 1014 H - O 41 - 1146 D - T 294 - 865 O - N 1078 - 27 T - E 513 - 88 N - I 232 - 465

Hangers / Ties	Maximum Web Forces Per Ply (lbs)
(J) Hanger Support Required, by others	Chords Tens.Comp. Chords Tens. Comp. A - X 313 - 1288 E - S 274 - 799 A - V 1490 - 342 F - S 602 - 170 V - C 259 - 959 Q - P 634 - 11 C - U 1633 - 340 Q - H 829 - 120 U - D 238 - 1014 H - O 41 - 1146 D - T 294 - 865 O - N 1078 - 27 T - E 513 - 88 N - I 232 - 465

Purlins	Maximum Web Forces Per Ply (lbs)
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Chords Tens.Comp. Chords Tens. Comp. A - X 313 - 1288 E - S 274 - 799 A - V 1490 - 342 F - S 602 - 170 V - C 259 - 959 Q - P 634 - 11 C - U 1633 - 340 Q - H 829 - 120 U - D 238 - 1014 H - O 41 - 1146 D - T 294 - 865 O - N 1078 - 27 T - E 513 - 88 N - I 232 - 465

Wind	Maximum Web Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design. Left end vertical not exposed to wind pressure. Right cantilever is exposed to wind	Chords Tens.Comp. Chords Tens. Comp. A - X 313 - 1288 E - S 274 - 799 A - V 1490 - 342 F - S 602 - 170 V - C 259 - 959 Q - P 634 - 11 C - U 1633 - 340 Q - H 829 - 120 U - D 238 - 1014 H - O 41 - 1146 D - T 294 - 865 O - N 1078 - 27 T - E 513 - 88 N - I 232 - 465

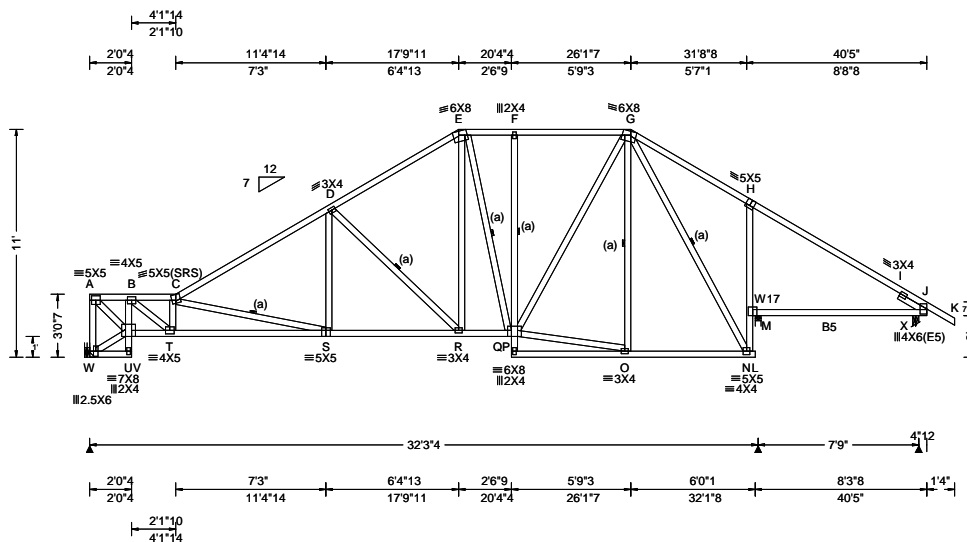
Additional Notes	Maximum Web Forces Per Ply (lbs)
Refer to General Notes for additional information The overall height of this truss excluding overhang is 11'-0-0.	Chords Tens.Comp. Chords Tens. Comp. A - X 313 - 1288 E - S 274 - 799 A - V 1490 - 342 F - S 602 - 170 V - C 259 - 959 Q - P 634 - 11 C - U 1633 - 340 Q - H 829 - 120 U - D 238 - 1014 H - O 41 - 1146 D - T 294 - 865 O - N 1078 - 27 T - E 513 - 88 N - I 232 - 465



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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SEQN: 307125 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHE CONSTRUCTION Truss Label: A07	Cust: R 215 JRef: 1WTK2150002 T25 DrwNo: 076.20.1014.24800 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.131 S 999 240 VERT(CL): 0.270 S 999 180 HORZ(LL): 0.085 L - - HORZ(TL): 0.176 L - - Creep Factor: 2.0 Max TC CSI: 0.813 Max BC CSI: 0.841 Max Web CSI: 0.824 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL W 1337 -/- /- /751 /243 /245 M 1666 -/- /- /896 /225 -/ X 448 -/- /- /359 /125 -/ Non-Gravity W Brg Width = - Min Req = - M Brg Width = 3.5 Min Req = 1.5 X Brg Width = 3.5 Min Req = 1.5 Bearings M & X are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;
Webs: 2x4 SP #3; W17 2x4 SP #2;
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

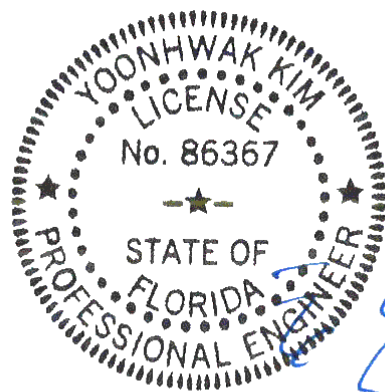
Left end vertical not exposed to wind pressure.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
U - T	1619 -367	R - P	1111 -153
T - S	2882 -717	O - N	630 -66
S - R	1696 -343		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - W	336 -1293	D - R	267 -823
A - U	1947 -479	E - R	612 -161
U - B	282 -1053	P - O	626 -65
B - T	1498 -406	P - G	830 -164
T - C	353 -1113	G - N	105 -1106
C - S	382 -1203	N - M	1043 -85
S - D	439 -68	M - H	228 -460

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Lumber	A - B	607 - 2435	E - F	469 - 1388
Top chord: 2x4 SP #2;	B - C	631 - 2531	F - G	444 - 1048
Bot chord: 2x4 SP #2; B5 2x4 SP M-31;	C - D	989 - 3941	G - H	444 - 1047
Webs: 2x4 SP #3; W2,W18 2x4 SP #2;	D - E	554 - 2032	J - K	2527 - 2635
Rt Slider: 2x4 SP #3; block length = 1 500'				

Webs	Tens.Comp.	Webs	Tens. Comp.
A - X	329 - 1268	E - S	245 - 796
A - V	2701 - 674	F - S	586 - 146
V - C	231 - 1079	Q - P	623 - 64
C - U	415 - 1414	Q - H	830 - 162
U - D	1554 - 374	H - O	105 - 1112
D - T	225 - 617	O - N	1048 - 85
T - E	523 - 106	N - I	228 - 461

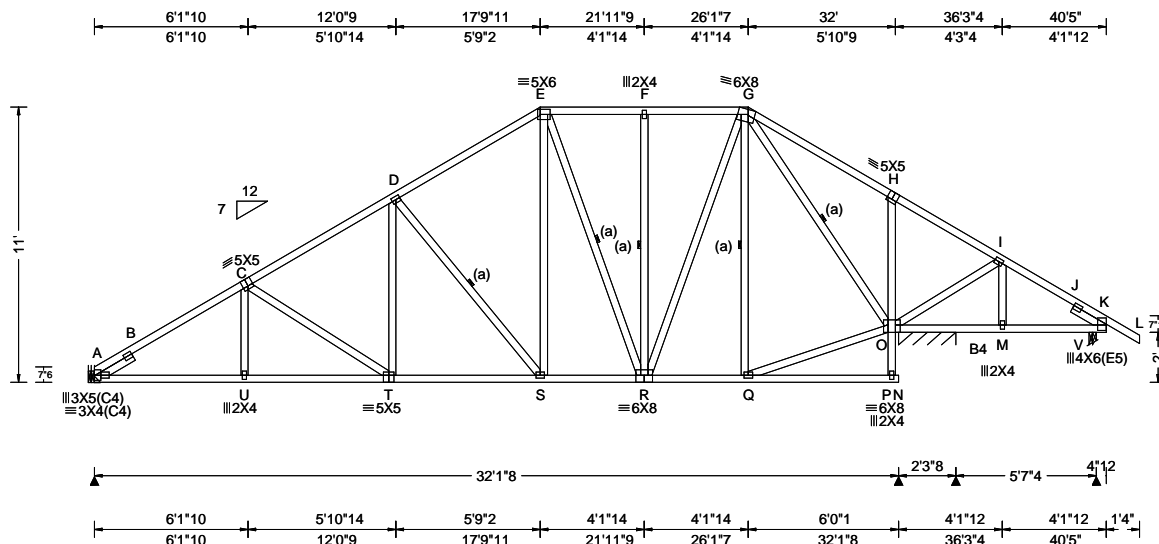
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SEQN: 307086 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A09	Cust: R 215 JRef: 1WTK2150002 T23 DrwNo: 076.20.1014.28820 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.11 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.04 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.071 T 999 240 VERT(CL): 0.147 T 999 180 HORZ(LL): 0.027 M - - HORZ(TL): 0.056 M - - Creep Factor: 2.0 Max TC CSI: 0.460 Max BC CSI: 0.556 Max Web CSI: 0.676 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1312 -/- /- /812 /206 /350 O* 786 -/- /- /423 /136 -/ V 364 -/- /- /273 /46 -/ O -/-118 Wind reactions based on MWFRS A Brg Width = - Min Req = - O Brg Width = 27.5 Min Req = - V Brg Width = 3.5 Min Req = 1.5 Bearings O & V are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.684'
Rt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

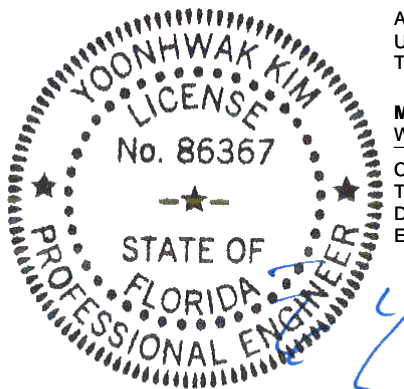
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Lumber	A - B	440 - 2338	E - F	388 - 1084
Top chord: 2x4 SP #2;	B - C	404 - 2290	F - G	388 - 1084
Bot chord: 2x4 SP #2; B3 2x4 SP M-31;	C - D	387 - 1921	G - H	317 - 1073
Webbs: 2x4 SP #3;	D - E	363 - 1458	J - K	1058 - 1103
Lt Slider: 2x4 SP #3; block length = 1.684'				
Rt Slider: 2x4 SP #3; block length = 1.753'				

(a) Continuous lateral restraint equally spaced on member

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

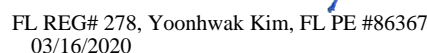
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Refer to General Notes for additional information

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

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
C - T	170	-405	R - G	596	-108
T - D	407	-74	Q - H	417	-63
D - S	214	-630	H - O	121	-1517
E - S	599	-150			



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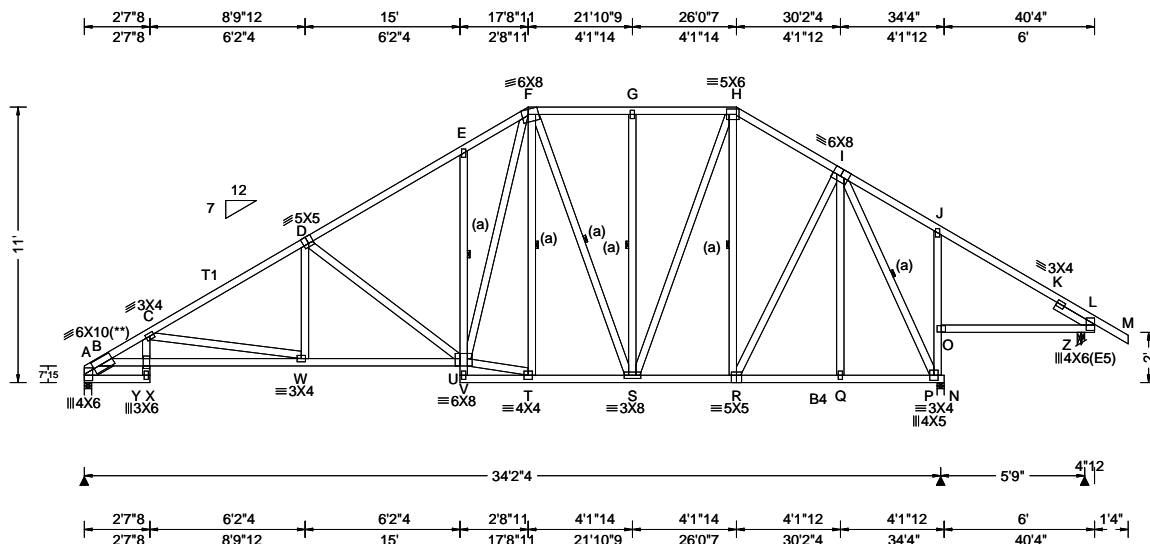
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SEQN: 307088 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A11	Cust: R 215 JRef: 1WTK2150002 T24 DrwNo: 076.20.1014.34380 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.14 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.03 ft Loc. from endwall: not in 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.139 E 999 240 VERT(CL): 0.285 E 999 180 HORZ(LL): 0.099 O - - HORZ(TL): 0.209 O - - Creep Factor: 2.0 Max TC CSI: 0.516 Max BC CSI: 0.934 Max Web CSI: 0.814 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A 1433 -/- /- /872 /237 /349 P 1606 -/- /- /863 /217 -/ Z 415 -/- /- /338 /108 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.7 P Brg Width = 3.5 Min Req = 1.5 Z Brg Width = 3.5 Min Req = 1.5 Bearings A, P, & Z are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.196'
Rt Slider: 2x4 SP #3; block length = 1.753'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

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

Wind

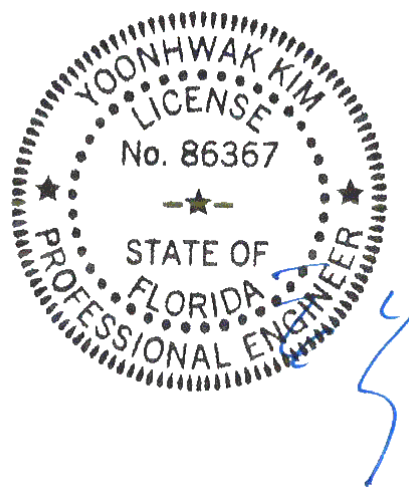
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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



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03/16/2020

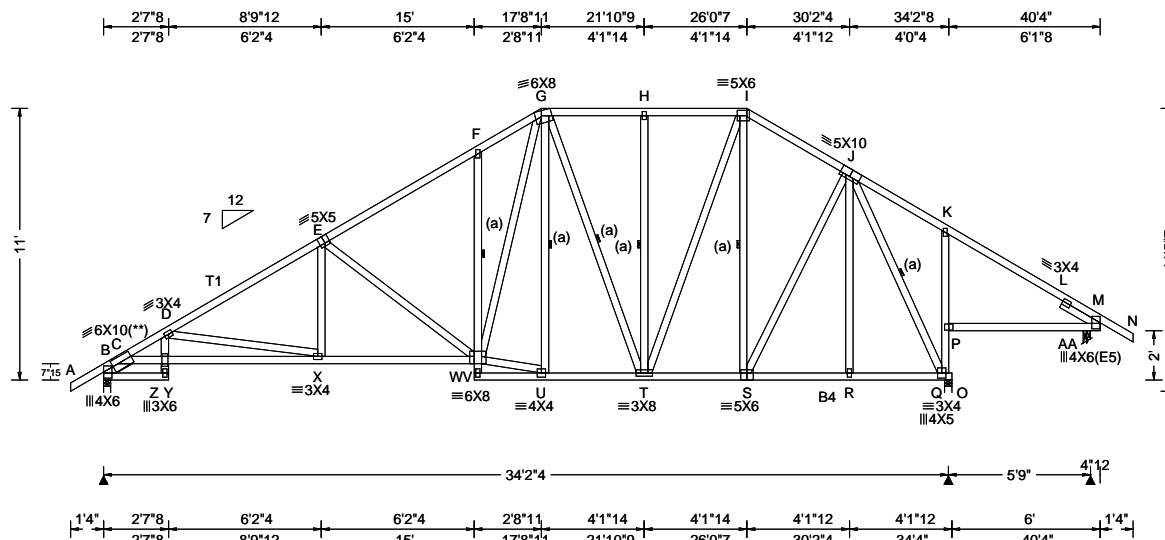
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307089 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A12	Cust: R 215 JRef: 1WTK2150002 T36 DrwNo: 076.20.1014.36997 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist: 4.03 ft Loc. from endwall: not in 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.157 F 999 240 VERT(CL): 0.299 F 999 180 HORZ(LL): 0.111 P - - HORZ(TL): 0.212 P - - Creep Factor: 2.0 Max TC CSI: 0.486 Max BC CSI: 0.930 Max Web CSI: 0.808 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1577 -/- /- /950 /258 /364 Q 1809 -/- /- /862 /213 -/ AA 425 -/- /- /338 /107 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.9 Q Brg Width = 3.5 Min Req = 1.5 AA Brg Width = 3.5 Min Req = 1.5 Bearings B, Q, & AA are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord: 2x4 SP #2; T1 2x4 SP M-31; Bot chord: 2x4 SP #2; B4 2x4 SP M-31; Webs: 2x4 SP #3; Lt Slider: 2x4 SP #3; block length = 1.196' Rt Slider: 2x4 SP #3; block length = 1.753'	Refer to General Notes for additional information The overall height of this truss excluding overhang is 11'-0".	B - C 635 - 1655 G - H 383 - 1183 C - D 559 - 3375 H - I 383 - 1183 D - E 425 - 2532 I - J 313 - 1205 E - F 380 - 1913 L - M 1054 - 1089 F - G 460 - 1857

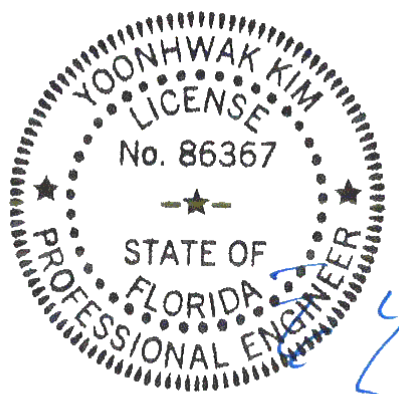
Bracing	Maximum Bot Chord Forces Per Ply (lbs)
(a) Continuous lateral restraint equally spaced on member.	Chords Tens.Comp. Chords Tens. Comp.
	C - Z 2918 - 531 T - S 984 - 32 Z - X 3007 - 551 S - R 786 - 46 X - V 2097 - 299 R - Q 782 - 46 U - T 1245 - 92

Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 2X4 except as noted. (**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.	Webs Tens.Comp. Webs Tens. Comp.
	D - X 256 - 915 T - I 600 - 107 X - E 400 - 22 S - J 435 - 63 E - V 204 - 671 R - J 474 - 17 V - G 1222 - 279 J - Q 120 - 1779 V - U 1270 - 90 Q - P 144 - 377

Loading	Maximum Web Forces Per Ply (lbs)
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.	Webs Tens.Comp. Webs Tens. Comp.
	D - X 256 - 915 T - I 600 - 107 X - E 400 - 22 S - J 435 - 63 E - V 204 - 671 R - J 474 - 17 V - G 1222 - 279 J - Q 120 - 1779 V - U 1270 - 90 Q - P 144 - 377

Purlins	Maximum Web Forces Per Ply (lbs)
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.	Webs Tens.Comp. Webs Tens. Comp.
	D - X 256 - 915 T - I 600 - 107 X - E 400 - 22 S - J 435 - 63 E - V 204 - 671 R - J 474 - 17 V - G 1222 - 279 J - Q 120 - 1779 V - U 1270 - 90 Q - P 144 - 377

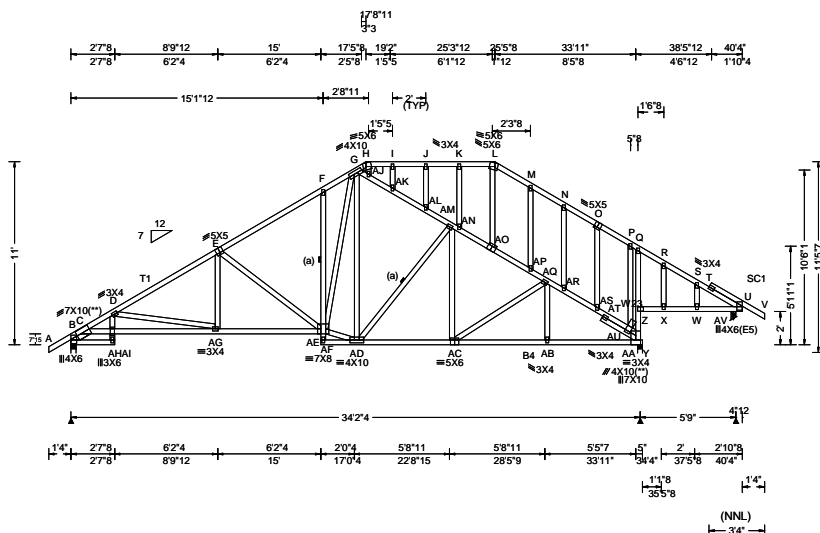
Wind	Maximum Web Forces Per Ply (lbs)
Wind loads based on MWFRS with additional C&C member design. Right cantilever is exposed to wind	Webs Tens.Comp. Webs Tens. Comp.
	D - X 256 - 915 T - I 600 - 107 X - E 400 - 22 S - J 435 - 63 E - V 204 - 671 R - J 474 - 17 V - G 1222 - 279 J - Q 120 - 1779 V - U 1270 - 90 Q - P 144 - 377



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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SEQN: 307090 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: A13	Cust: R 215 JRef: 1WTK2150002 T43 DrwNo: 076.20.1014.42407 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.03 ft Loc. from endwall: not in 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.212 L 999 240 VERT(CL): 0.405 L 999 180 HORZ(LL): 0.208 W - - HORZ(TL): 0.398 W - - Creep Factor: 2.0 Max TC CSI: 0.759 Max BC CSI: 0.937 Max Web CSI: 0.960 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1601 - / - / - /924 - / /113 AA 1628 - / - / - /876 - / - AV 581 - / - / - /390 /30 - Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.9 AA Brg Width = 3.5 Min Req = 1.5 AV Brg Width = 3.5 Min Req = 1.5 Bearings B, AA, & AV are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2; B4 2x4 SP M-31;
Webs: 2x4 SP #3; W23 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.196'
Rt Slider: 2x4 SP #3; block length = 2.429'

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

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

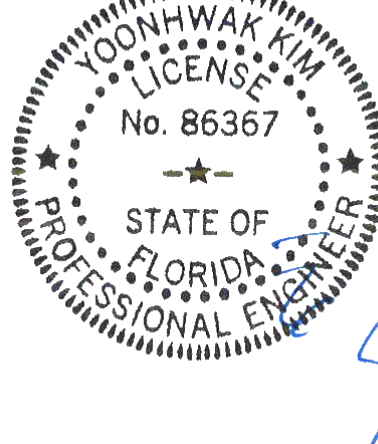
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads based on MWFRS with additional C&C member design.
Right cantilever is exposed to wind

Additional Notes
Refer to General Notes for additional information
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 11'-0".

Maximum Bot Chord Forces Per Ply (lbs)					
Chords		Tens.Comp.	Chords		Tens. Comp.
C -AI	2969	0	AC-AB	2130	0
AI-AG	3060	0	AB-AA	2139	0
AG-AE	2143	0	W - U	562	0
AD-AC	1741	0			

Maximum Web Forces Per Ply (lbs)					
Webs	Tens.Comp.		Webs	Tens. Comp.	
D -AG	0	- 922	AC-AQ	0	- 455
AG - E	399	0	AN-AO	0	- 1791
E -AE	0	- 670	AO-AP	0	- 1794
AE - G	1346	0	AP-AQ	0	- 1828
AE-AD	1410	0	AQ-AB	467	0
G -AJ	0	- 1262	AQ-AR	0	- 2268
AD-AM	0	- 643	AR-AS	0	- 2292
AJ-AK	0	- 1303	AS-AT	0	- 2406
AK-AL	0	- 1335	AT-AU	0	- 2421
AL-AM	0	- 1383	AU - P	0	- 520
AM-AC	397	0	AU-AA	0	- 2703
AM-AN	0	- 1688	Z - Q	389	0

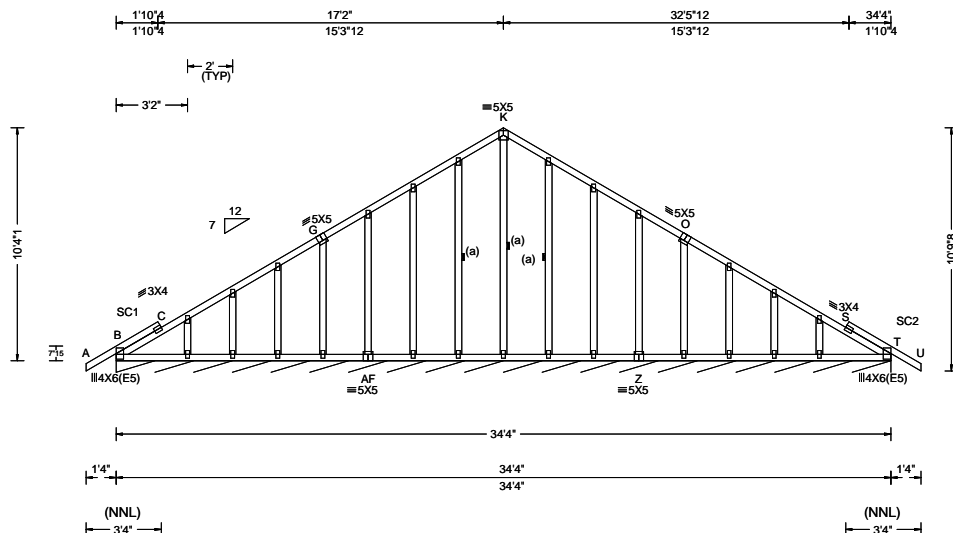


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03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307091 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B01	Cust: R 215 JRef: 1WTK2150002 T16 DrwNo: 076.20.1014.45380 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.43 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 S 999 240 VERT(CL): 0.006 S 999 180 HORZ(LL): 0.004 M - - HORZ(TL): 0.006 M - - Creep Factor: 2.0 Max TC CSI: 0.141 Max BC CSI: 0.080 Max Web CSI: 0.143 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL T* 88 - / - / 46 / 15 / 9 Wind reactions based on MWFRS T Brg Width = 412 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

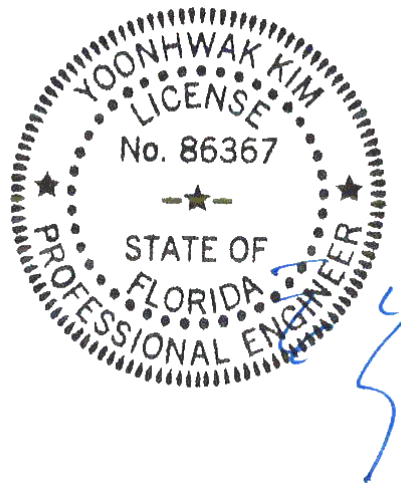
Wind loads based on MWFRS with additional C&C member design.
End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

The overall height of this truss excluding overhang is 10-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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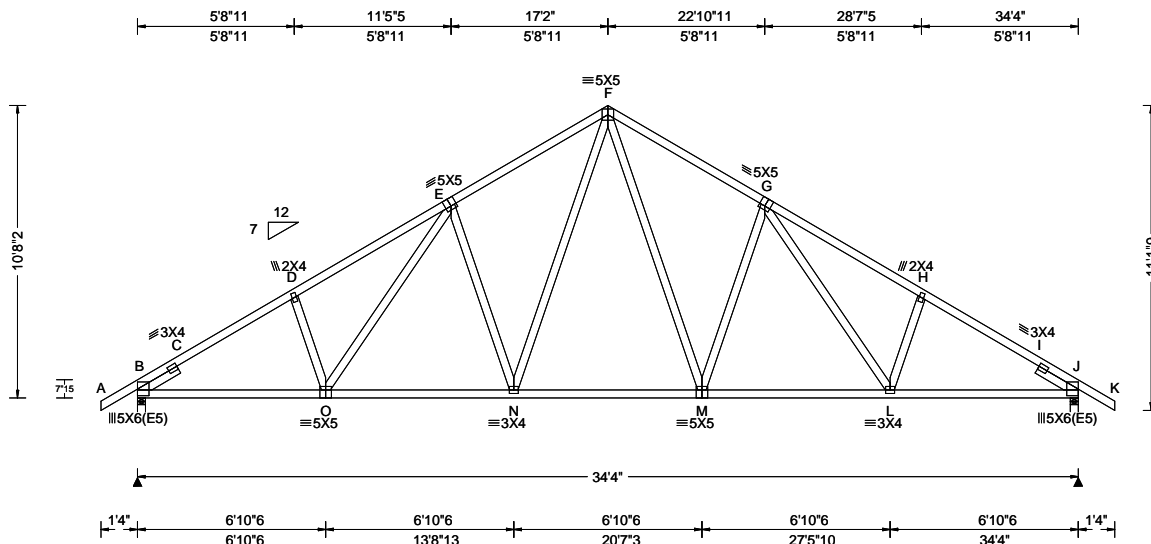
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307092 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B02	Cust: R 215 JRef: 1WTK2150002 T14 DrwNo: 076.20.1014.47240 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.43 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.096 N 999 240 VERT(CL): 0.196 N 999 180 HORZ(LL): 0.041 L - - HORZ(TL): 0.084 L - - Creep Factor: 2.0 Max TC CSI: 0.367 Max BC CSI: 0.730 Max Web CSI: 0.585 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1518 -/- /- /905 /259 /305 J 1518 -/- /- /905 /259 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.8 J Brg Width = 3.5 Min Req = 1.8 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 650 -2307 F - G 641 -1711 C - D 637 -2260 G - H 710 -2179 D - E 711 -2178 H - I 636 -2261 E - F 641 -1712 I - J 650 -2308

Lumber

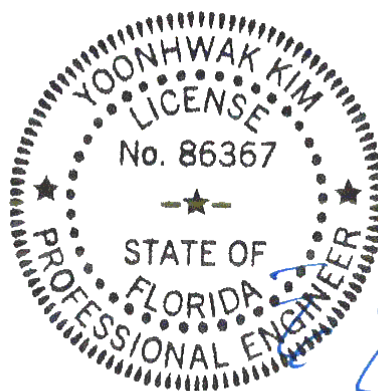
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.672'
Rt Slider: 2x4 SP #3; block length = 1.672'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-8-2.

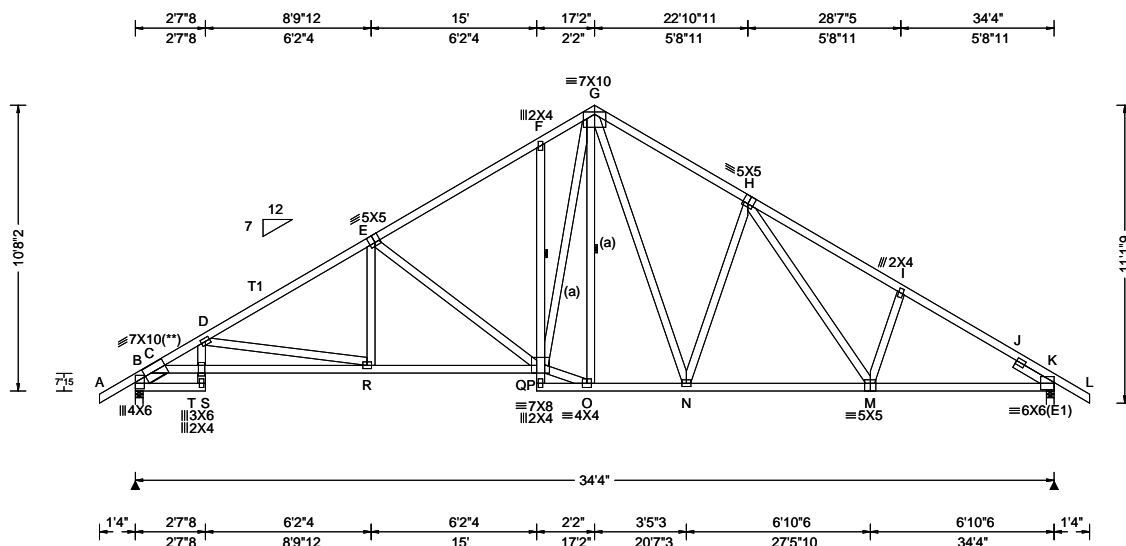


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307093 FROM: CDM	COMM Ply: 1 Qty: 2	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B03	Cust: R 215 JRef: 1WTK2150002 T20 DrwNo: 076.20.1014.50190 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.43 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.162 F 999 240 VERT(CL): 0.312 F 999 180 HORZ(LL): 0.112 M - - HORZ(TL): 0.216 M - - Creep Factor: 2.0 Max TC CSI: 0.492 Max BC CSI: 0.928 Max Web CSI: 0.809 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1594 - / - / /904 /258 /305 K 1642 - / - / /905 /258 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.9 K Brg Width = 3.5 Min Req = 1.9 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 572 -1599 G - H 490 -1912 C - D 610 -3415 H - I 523 -2415 D - E 487 -2569 I - J 461 -2501 E - F 439 -1950 J - K 458 -2547 F - G 507 -1865

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.196'
Rt Slider: 2x4 SP #3; block length = 1.630'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

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

Loading

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

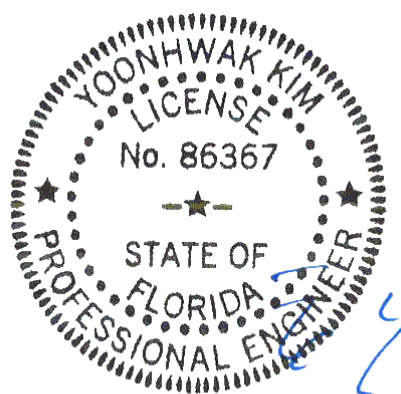
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-8-2.

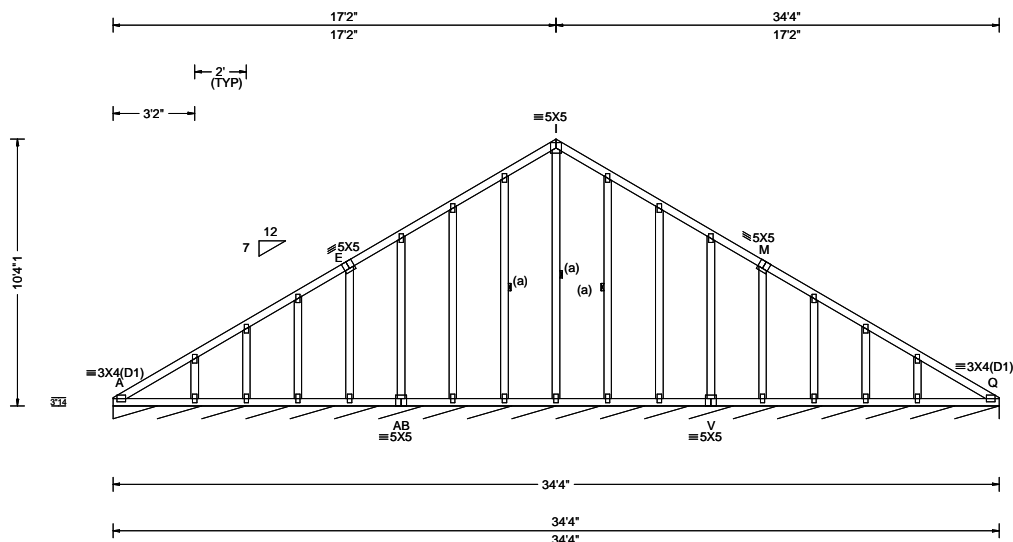


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307094 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B04	Cust: R 215 JRef: 1WTK2150002 T5 DrwNo: 076.20.1014.51897 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 I 999 240 VERT(CL): 0.003 R 999 180 HORZ(LL): 0.004 K - - HORZ(TL): 0.006 K - - Creep Factor: 2.0 Max TC CSI: 0.092 Max BC CSI: 0.075 Max Web CSI: 0.143 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL Q* 83 -/- /44 /14 /8 Wind reactions based on MWFRS Q Brg Width = 412 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

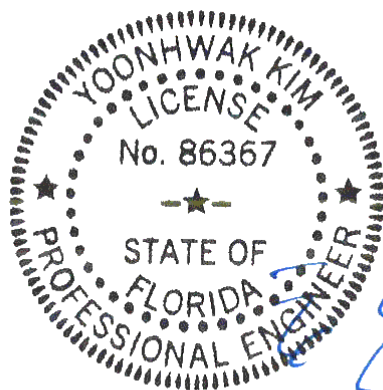
End verticals not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWGS A14015ENC101014 & GBULLETIN0118 for gable wind bracing and other requirements.

The overall height of this truss excluding overhang is 10-4-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

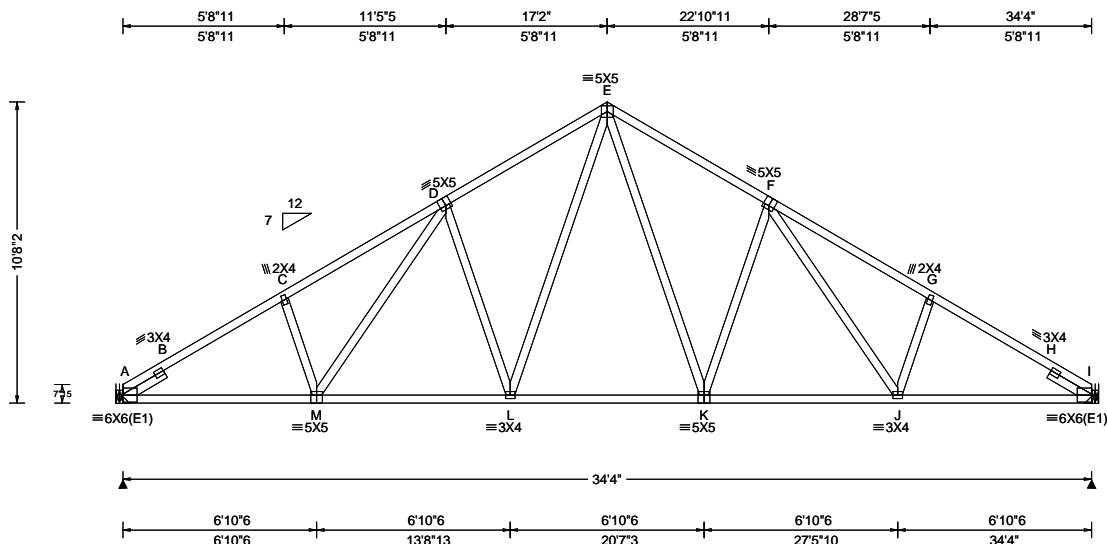
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.128 K 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.235 K 999 180	A 1627 -/- -/- /828 /235 /264
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.054 J - -	I 1628 -/- -/- /828 /235 -/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.100 J - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A Brg Width = - Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.491	I Brg Width = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.909	Members not listed have forces less than 375#
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.588	Maximum Top Chord Forces Per Ply (lbs)
	C&C Dist a: 3.43 ft	Rep Fac: Yes		Chords Tens.Comp. Chords Tens. Comp.
	Loc. from endwall: Any	FT/RT:20(0)/10(0)		A - B 623 -2698 E - F 645 -2071
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08	B - C 644 -2651 F - G 719 -2573
	Wind Duration: 1.60	WAVE		

Lumber

Top chord: 2x4 SP #2;
 Bot chord: 2x4 SP #2;
 Webs: 2x4 SP #3;
 Lt Slider: 2x4 SP #3; block length = 1.672'
 Rt Slider: 2x4 SP #3; block length = 1.672'

Loading

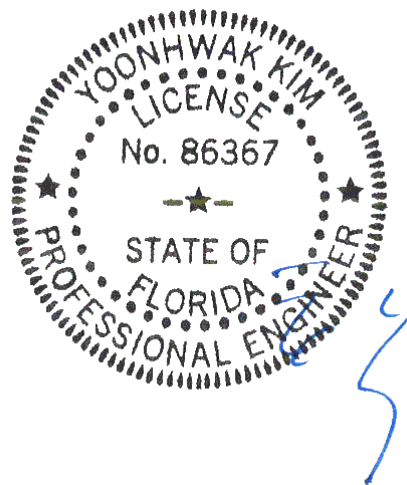
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
 The overall height of this truss excluding overhang is 10-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
 03/16/2020

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ALPINE
 AN ITW COMPANY
 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 307095	COMN	Ply: 1	Job Number: 20-4026	Cust: R 215 JRef: 1WTK2150002 T42
FROM: CDM		Qty: 2	/Heather Inventory Home /ZECHE CONSTRUCTION	DrwNo: 076.20.1014.55647
Page 2 of 2			Truss Label: B05	/ YK 03/16/2020

Hangers / Ties

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

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

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

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

Bearing A (0', 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting member,

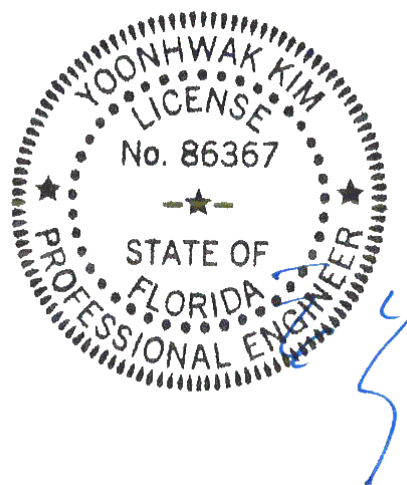
(4) 0.148"x3" nails into supported member.

Bearing I (34'1", 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting member,

(4) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

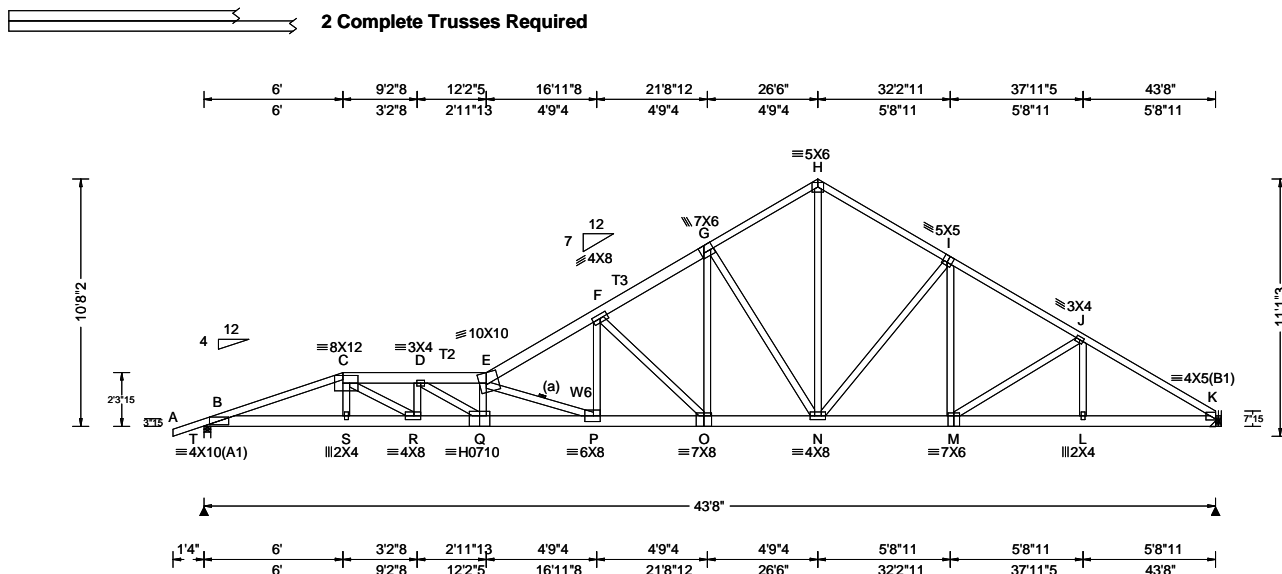
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6750 Forum Drive
Suite 305
Orlando FL, 32821



SEQN: 307096 FROM: CDM Page 2 of 2	COMN Ply: 2 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B06	Cust: R 215 JRef: 1WTK2150002 T35 DrwNo: 076.20.1015.03530 / YK 03/16/2020
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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 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.

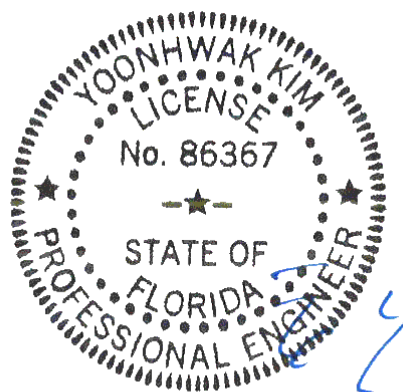
Bearing at location x=43'5" uses the following support conditions: 43'5"

Bearing K (43'5", 9'1"2) HGUS26-2

Supporting Member: (2)2x6 SP 2400f-2.0E

(20) 0.148"x3" nails into supporting member,

(6) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

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

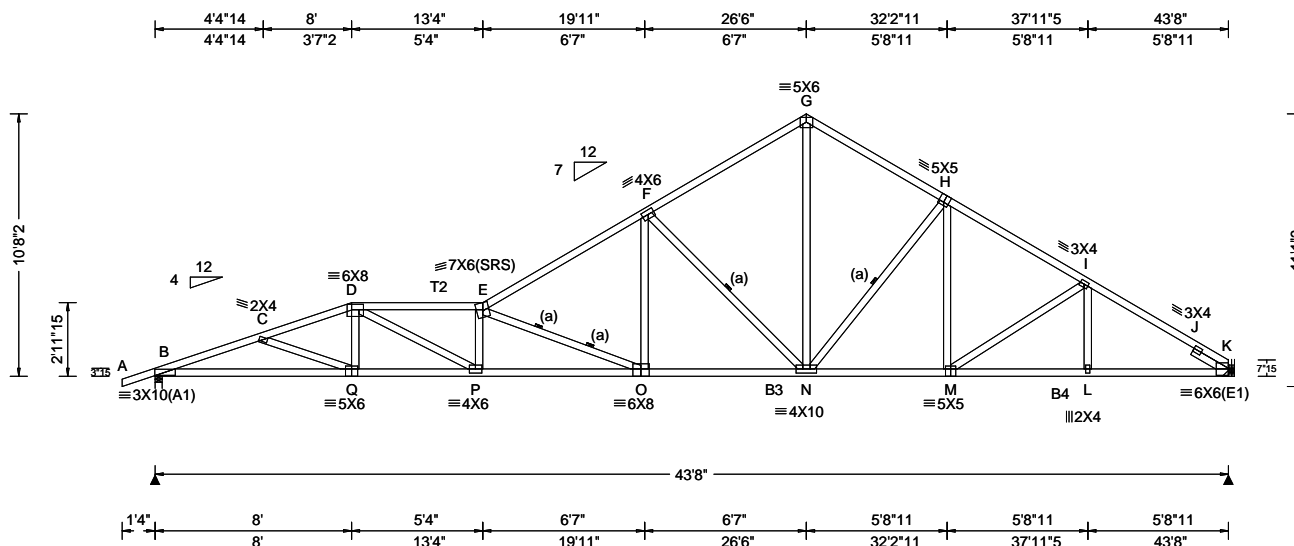
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 307097 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B07	Cust: R 215 JRRef: 1WTK2150002 T10 DrwNo: 076.20.1015.06353 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.37 ft Loc. from endwall: not in 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.465 E 999 240 VERT(CL): 0.953 E 547 180 HORZ(LL): 0.101 L - - HORZ(TL): 0.208 L - - Creep Factor: 2.0 Max TC CSI: 0.824 Max BC CSI: 0.869 Max Web CSI: 0.988 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1887 - / - / - /1138 /338 /292 K 1804 - / - / - /1029 /300 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 K Brg Width = - 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 1247 -4754 G - H 623 -2206 C - D 1163 -4549 H - I 652 -2634 D - E 1493 -6053 I - J 671 -2965 E - F 883 -3625 J - K 693 -3012 F - G 624 -2228

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

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=43'5" uses the following support conditions: 43'5"

Bearing K (43'5", 9'1"2) HUS26

Supporting Member: (2)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.

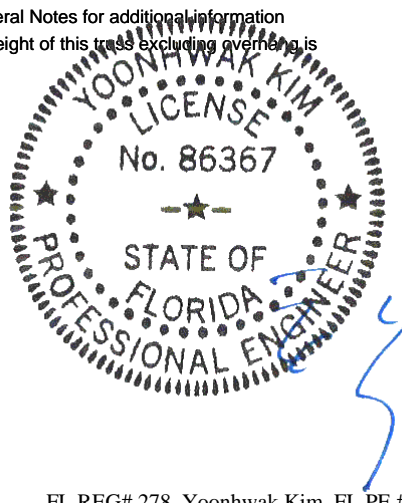
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-8-2.



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

03/16/2020

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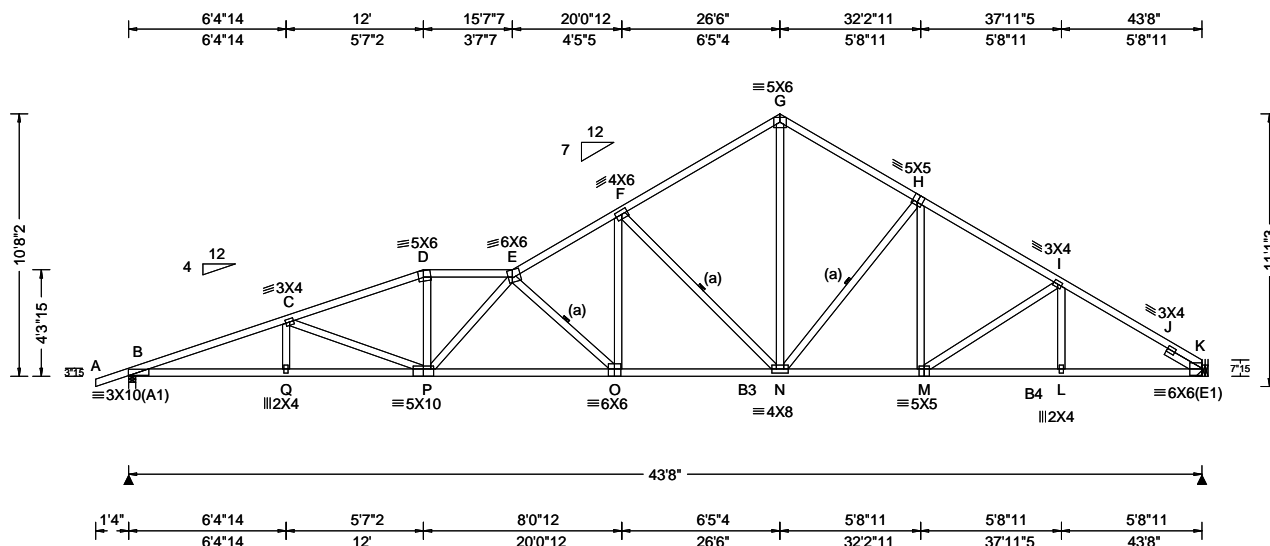
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SEQN: 307099 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHE CONSTRUCTION Truss Label: B09	Cust: R 215 JRRef: 1WTK2150002 T13 DrwNo: 076.20.1015.09410 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.365 E 999 240 VERT(CL): 0.747 E 699 180 HORZ(LL): 0.095 L - - HORZ(TL): 0.195 L - - Creep Factor: 2.0 Max TC CSI: 0.664 Max BC CSI: 0.875 Max Web CSI: 0.985 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1884 -/- /- /1157 /339 /292 K 1802 -/- /- /1027 /301 -/ Non-Gravity Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 K Brg Width = - 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 1180 -4716 G - H 636 -2203 C - D 1061 -4114 H - I 665 -2630 D - E 1044 -3887 I - J 683 -2962 E - F 900 -3559 J - K 702 -3009 F - G 628 -2221

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

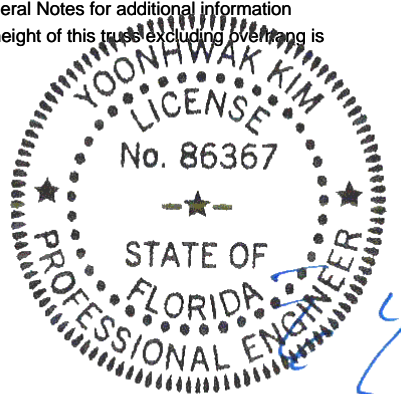
Bracing
(a) Continuous lateral restraint equally spaced on member.

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=43'5" uses the following support conditions: 43'5"
Bearing K (43'5", 9'1"2) HUS26
Supporting Member: (2)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.

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

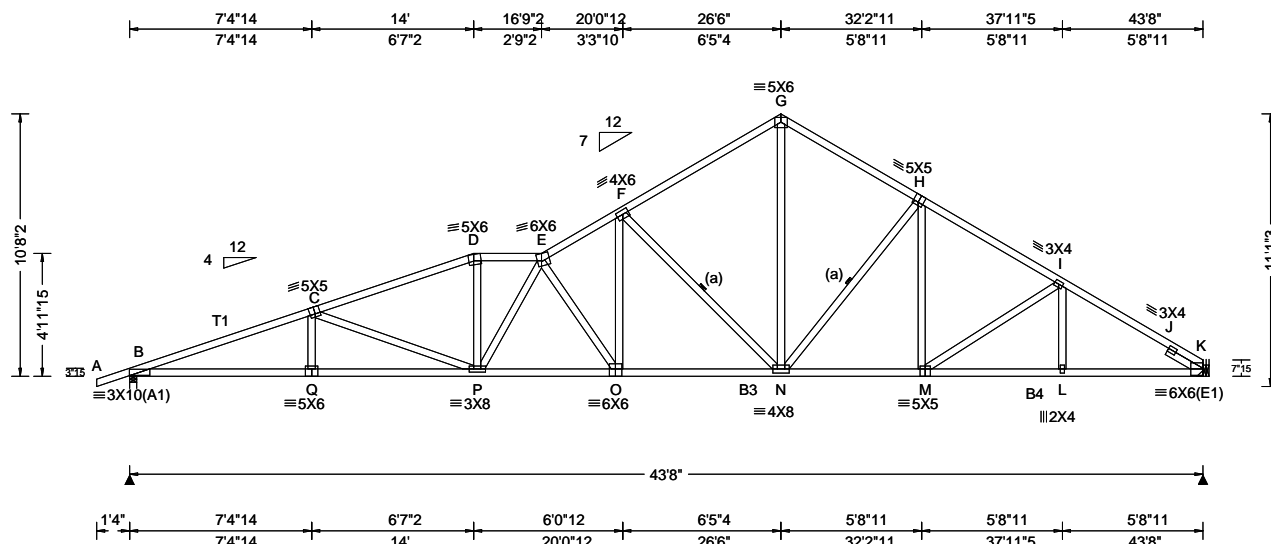
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q 4419 -1106	N - M 2182 -389		
Q - P 4416 -1108	M - L 2487 -513		
P - O 4416 -1035	L - K 2490 -513		
O - N 2986 -618			

Chords	Tens.Comp.	Chords	Tens. Comp.
C - P 193 -605	O - F 1479 -366		
D - P 990 -204	F - N 493 -1643		
P - E 217 -809	N - H 197 -565		
E - O 563 -1923	G - N 1740 -476		

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SEQN: 307100 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B10	Cust: R 215 JRRef: 1WTK2150002 T9 DrwNo: 076.20.1015.10863 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.334 E 999 240 VERT(CL): 0.683 E 764 180 HORZ(LL): 0.093 L - - HORZ(TL): 0.191 L - - Creep Factor: 2.0 Max TC CSI: 0.729 Max BC CSI: 0.852 Max Web CSI: 0.993 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1882 -/- /- /1166 /44 /292 K 1801 -/- /- /1025 /26 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 K Brg Width = - 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 1145 -4677 G - H 639 -2202 C - D 997 -3880 H - I 668 -2628 D - E 985 -3646 I - J 686 -2961 E - F 909 -3516 J - K 703 -3008 F - G 626 -2219

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

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=43'5" uses the following support conditions: 43'5"

Bearing K (43'5", 9'1"2) HUS26

Supporting Member: (2)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.

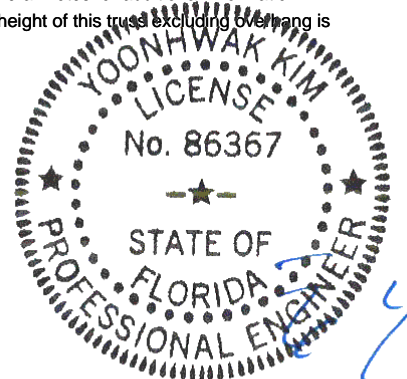
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss including overhang is 10-8-2.



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03/16/2020

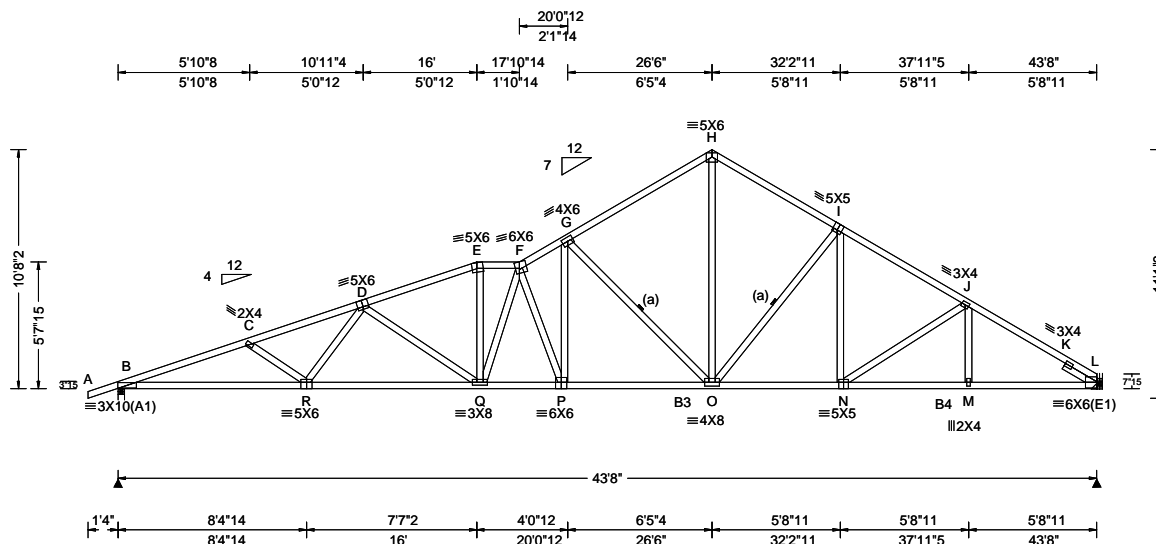
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SEQN: 307101 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHE CONSTRUCTION Truss Label: B11	Cust: R 215 JRRef: 1WTK2150002 T15 DrwNo: 076.20.1015.12267 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.342 F 999 240 VERT(CL): 0.699 F 746 180 HORZ(LL): 0.091 M - - HORZ(TL): 0.187 M - - Creep Factor: 2.0 Max TC CSI: 0.541 Max BC CSI: 0.867 Max Web CSI: 0.996 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 1881 -/- /1174 /44 /292 L 1800 -/- /1022 /26 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 L Brg Width = - 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 1126 -4723 G - H 625 -2218 C - D 1080 -4447 H - I 641 -2201 D - E 931 -3604 I - J 670 -2627 E - F 916 -3392 J - K 688 -2959 F - G 908 -3461 K - L 703 -3006

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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Bearing at location x=43'5" uses the following support conditions: 43'5"

Bearing L (43'5", 9'1"2) HUS26

Supporting Member: (2)2x6 SP 2400f-2.0E

(14) 0.148"x3" nails into supporting

member,

(4) 0.148"x3" nails into supported

member.

Purlins

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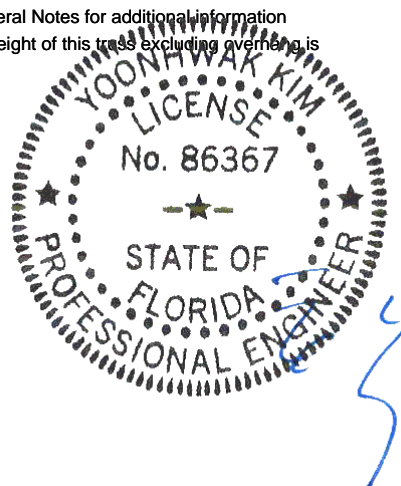
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-8-2.



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

03/16/2020

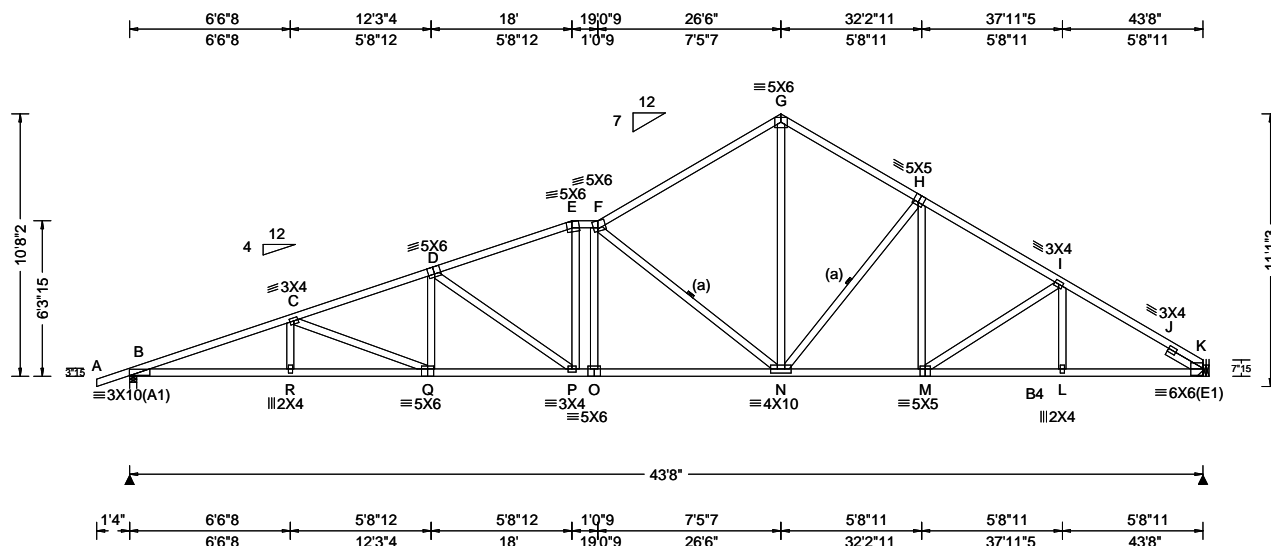
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SEQN: 307102 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B12	Cust: R 215 JRRef: 1WTK2150002 T12 DrwNo: 076.20.1015.13857 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.326 F 999 240 VERT(CL): 0.666 F 784 180 HORZ(LL): 0.086 L - - HORZ(TL): 0.176 L - - Creep Factor: 2.0 Max TC CSI: 0.914 Max BC CSI: 0.699 Max Web CSI: 0.949 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1879 - / - / - /1181 /45 /291 K 1799 - / - / - /1018 /26 - /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 K Brg Width = - 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 1082 -4703 G - H 642 -2203 C - D 999 -4082 H - I 670 -2622 D - E 875 -3401 I - J 689 -2958 E - F 863 -3176 J - K 702 -3005 F - G 619 -2234

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

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=43'5" uses the following support conditions: 43'5"

Bearing K (43'5", 9'1"2) HUS26

Supporting Member: (2)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.

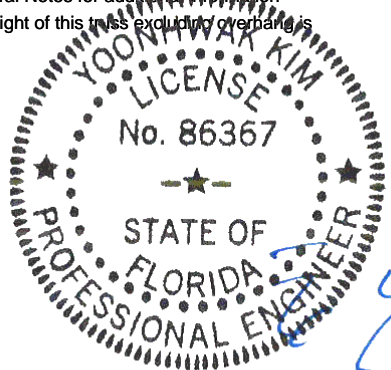
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

B - R	4406 -1011	O - N	3182 -695
R - Q	4402 -1012	N - M	2174 -389
Q - P	3802 -875	M - L	2484 -518
P - O	3176 -693	L - K	2487 -518

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

C - Q	163 -627	F - N	536 -1731
Q - D	391 -33	G - N	1685 -459
D - P	226 -777	N - H	187 -541
E - P	829 -222		

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

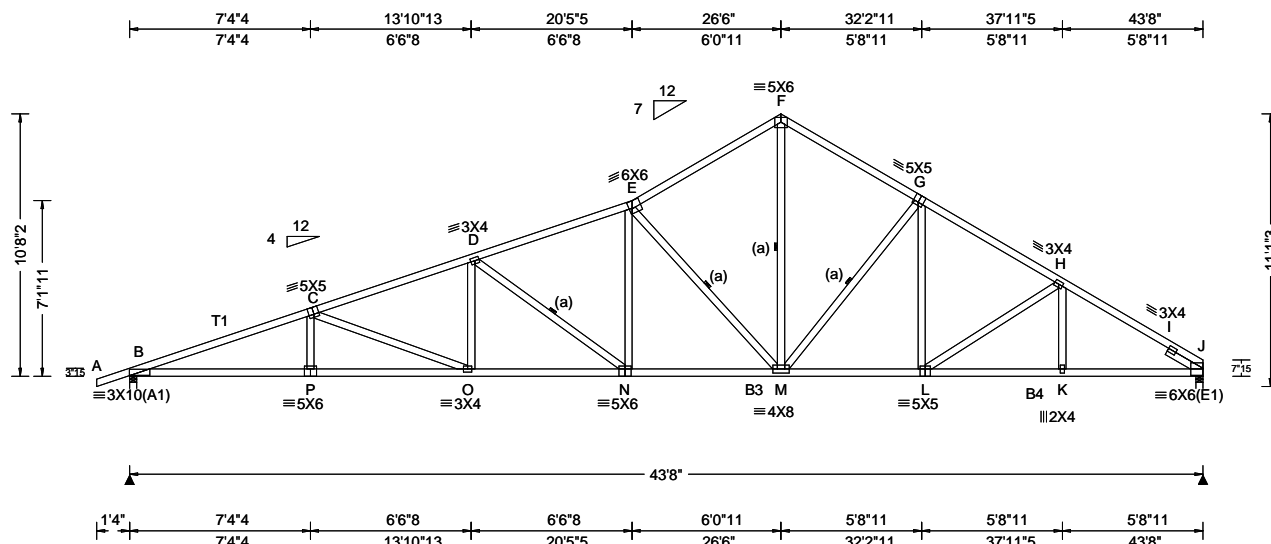
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307103 FROM: CDM	COMM Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B13	Cust: R 215 JRRef: 1WTK2150002 T6 DrwNo: 076.20.1015.15270 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.297 N 999 240 VERT(CL): 0.607 N 859 180 HORZ(LL): 0.092 K - - HORZ(TL): 0.187 K - - Creep Factor: 2.0 Max TC CSI: 0.654 Max BC CSI: 0.785 Max Web CSI: 0.929 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1878 - / - / - /1188 /45 /291 J 1798 - / - / - /1012 /27 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 J Brg Width = 3.5 Min Req = 2.1 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1045 -4659 F - G 641 -2195 C - D 939 -3913 G - H 669 -2623 D - E 800 -3106 H - I 687 -2954 E - F 627 -2201 I - J 698 -3001

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

Bracing

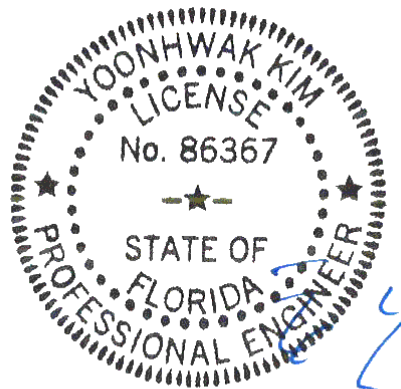
(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10-8-2.

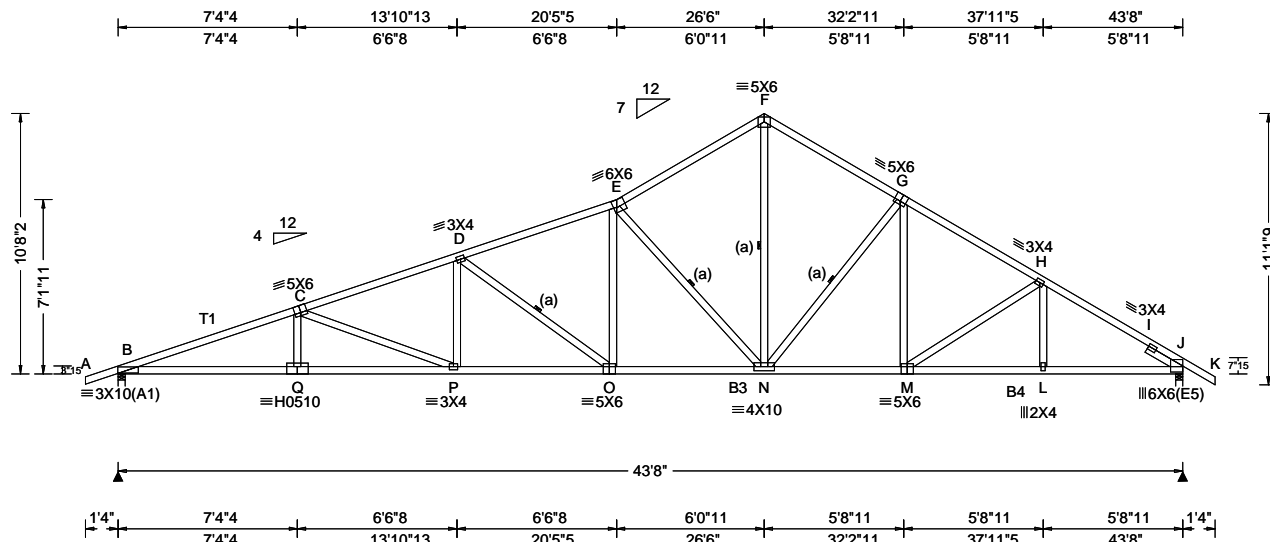


FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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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.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307104 FROM: CDM	COMM Ply: 1 Qty: 2	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: B14	Cust: R 215 JRRef: 1WTK2150002 T7 DrwNo: 076.20.1015.16893 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.37 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.336 O 999 240 VERT(CL): 0.650 O 803 180 HORZ(LL): 0.103 L - - HORZ(TL): 0.199 L - - Creep Factor: 2.0 Max TC CSI: 0.710 Max BC CSI: 0.940 Max Web CSI: 0.927 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1956 - / - / - /1188 /45 /310 J 2007 - / - / - /1090 /33 - /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.6 J Brg Width = 3.5 Min Req = 2.4 Bearings B & J are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 1039 -4897 F - G 634 -2376 C - D 932 -4154 G - H 656 -2840 D - E 793 -3357 H - I 664 -3148 E - F 621 -2382 I - J 641 -3195

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3,B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.630'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

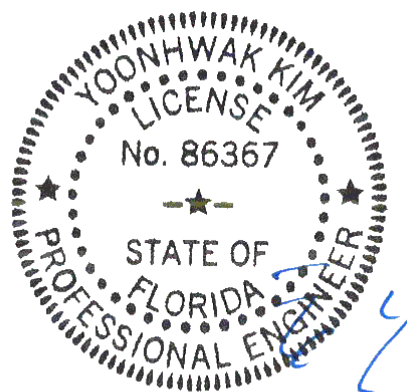
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 10'-8-2.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307105	GABL	Ply: 1	Job Number: 20-4026	Cust: R 215	JRef: 1WTK2150002	T2
FROM: CDM		Qty: 1	/Heather Inventory Home /ZECHER CONSTRUCTION	DrwNo: 076.20.1015.26527		
			Truss Label: C01	/ YK	03/16/2020	

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * =PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.022 G 999 240	Loc R+ /R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.045 I 999 180	B* 177 /- /- /115 /30 /36
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 G - -	AF* 177 /- /- /89 /30 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.019 G - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B Brg Width = 63.5 Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.183	AF Brg Width = 63.5 Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.375	Bearings B & R are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.118	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	B - C 12 -443 H - M 155 -466
	Wind Duration: 1.60			

Plating Notes

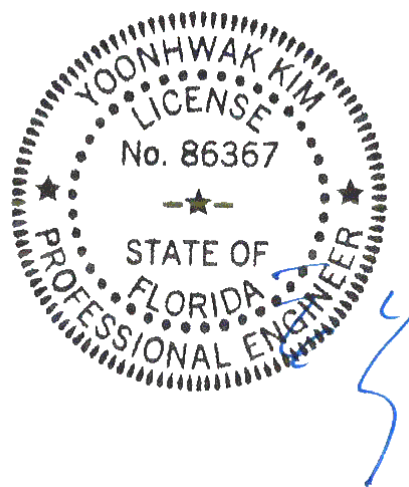
Loading

Wind

Additional Notes

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 6-3-1



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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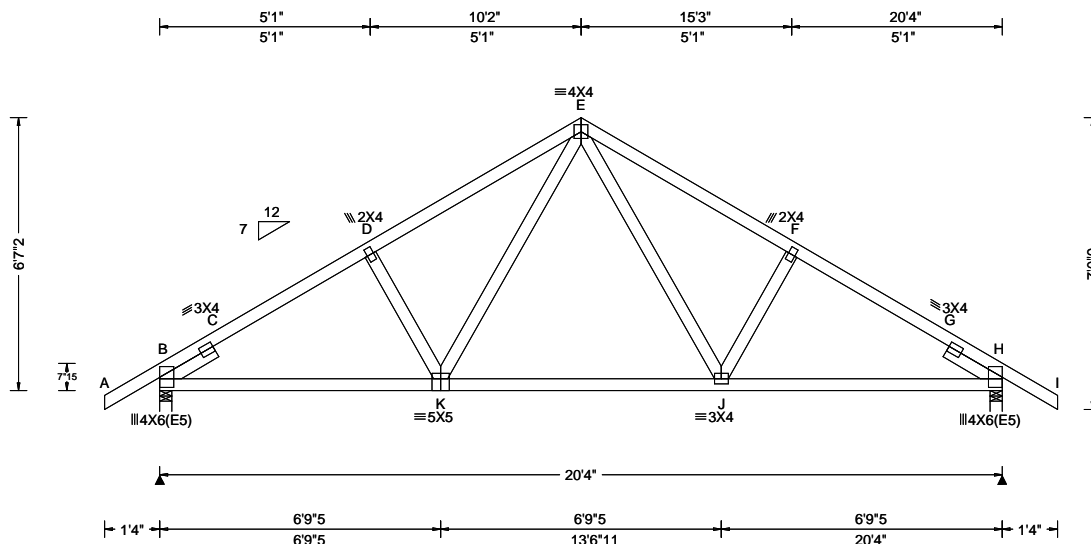
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307106 FROM: CDM	COMM Ply: 1 Qty: 9	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: C02	Cust: R 215 JRef:1WTK2150002 T1 DrwNo: 076.20.1015.28163 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.035 J 999 240 VERT(CL): 0.068 J 999 180 HORZ(LL): 0.015 J - - HORZ(TL): 0.029 J - - Creep Factor: 2.0 Max TC CSI: 0.274 Max BC CSI: 0.582 Max Web CSI: 0.176 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 984 - / - / /561 /162 /191 H 984 - / - / /561 /162 - / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 H Brg Width = 3.5 Min Req = 1.5 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 313 - 1422 E - F 300 - 1204 C - D 264 - 1315 F - G 265 - 1317 D - E 299 - 1202 G - H 311 - 1423 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 1088 - 135 J - H 1090 - 149 K - J 749 - 33 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. K - E 457 - 108 E - J 461 - 108

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'
Rt Slider: 2x4 SP #3; block length = 1.500'

Loading

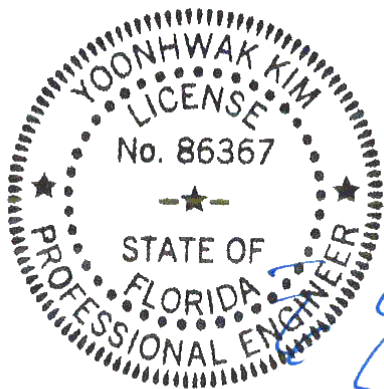
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6-7-2.

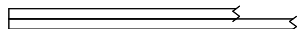


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03/16/2020

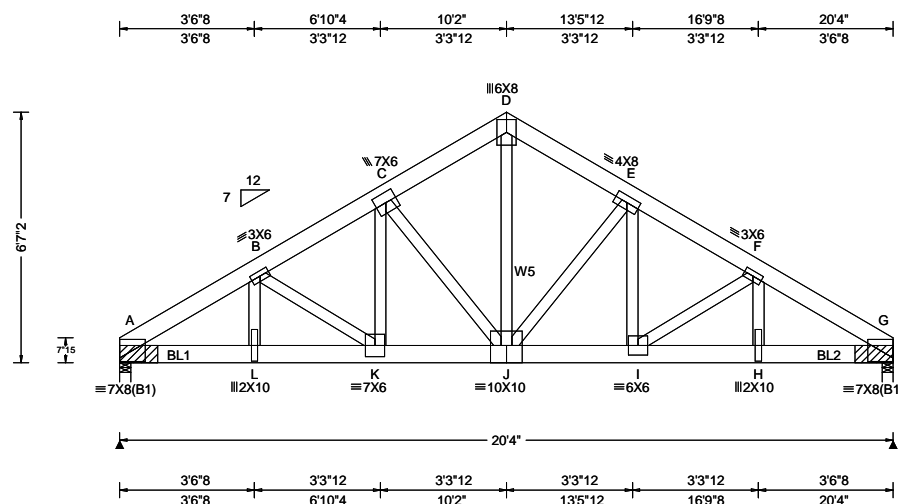
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307107 FROM: CDM	COMM Ply: 2 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHE CONSTRUCTION Truss Label: C03	Cust: R 215 JRef: 1WTK2150002 T34 DrwNo: 076.20.1015.35860 / YK 03/16/2020
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.108 K 999 240 VERT(CL): 0.215 K 999 180 HORZ(LL): 0.040 H - - HORZ(TL): 0.080 H - - Creep Factor: 2.0 Max TC CSI: 0.349 Max BC CSI: 0.594 Max Web CSI: 0.820 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 8997 -/- /- /- /1375 -/ G 8896 -/- /- /- /898 -/ Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = - G Brg Width = 3.5 Min Req = - Bearings A & G 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 1088 -7139 D - E 690 -4840 B - C 953 -6315 E - F 765 -6198 C - D 690 -4839 F - G 745 -7082

Lumber

Top chord: 2x6 SP 2400f-2.0E;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP M-31;

Nailnote

Nail Schedule: 0.131"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 20.33
BC: From 10 plf at 0.00 to 10 plf at 18.06
BC: From 20 plf at 18.06 to 20 plf at 20.33
BC: 1628 lb Conc. Load at 2.06, 4.06
BC: 2317 lb Conc. Load at 6.13
BC: 1804 lb Conc. Load at 8.06, 10.06
BC: 1802 lb Conc. Load at 12.06, 14.06
BC: 1800 lb Conc. Load at 16.06, 18.06

Wind

Wind loads and reactions based on MWFRS.

Bearing Block(s)

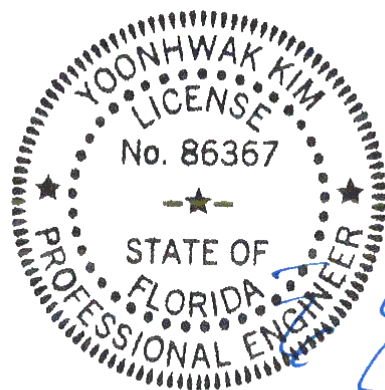
Brg blocks: 0.131"x3", min. nails
brg x-loc #blocks length/blk #nails/blk wall plate
1 0.000' 1 12" 5 Rigid Surface
2 20.042' 1 12" 4 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CENAILSP1014 for more information.

Blocking

Full Height Blocking reinforcement required to prevent buckling of members over the bearings:
bearing 1 located at 0.0'
bearing 2 located at 20.0'

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-7-2.



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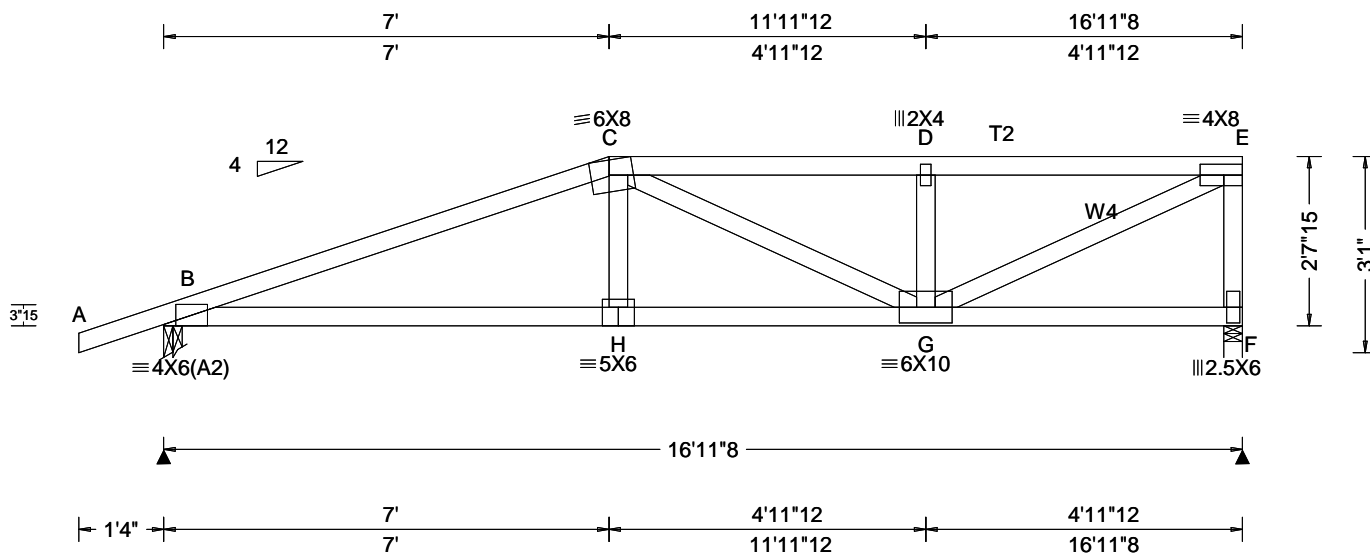
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307108 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: D01	Cust: R 215 JRef: 1WTK2150002 T26 DrwNo: 076.20.1015.39910 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.118 H 999 240 VERT(CL): 0.235 H 858 180 HORZ(LL): 0.025 F - - HORZ(TL): 0.050 F - - Creep Factor: 2.0 Max TC CSI: 0.908 Max BC CSI: 0.518 Max Web CSI: 0.729 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1580 -/- /- /- /314 -/ F 1956 -/- /- /- /367 -/ Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.6 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 715 -3769 D - E 552 -2942 C - D 553 -2943

Lumber

Top chord: 2x4 SP #2; T2 2x4 SP M-31;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3; W4 2x4 SP #2;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 61 plf at -1.33 to 61 plf at 7.00
TC: From 31 plf at 7.00 to 31 plf at 16.96
BC: From 4 plf at -1.33 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 16.96
TC: 416 lb Conc. Load at 7.03
TC: 183 lb Conc. Load at 9.06,11.06,13.06,15.06
16.60
BC: 510 lb Conc. Load at 7.03
BC: 127 lb Conc. Load at 9.06,11.06,13.06,15.06
16.60

Purlins

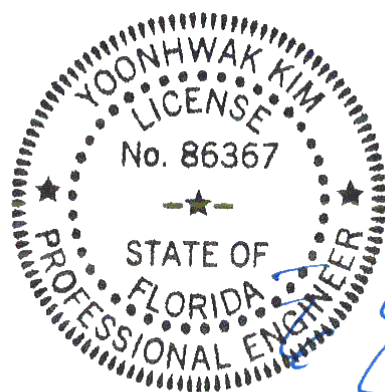
In lieu of structural panels use purlins to brace all flat
TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is
2-7-15.



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Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	3518 -654	H - G	3559 -652

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - H	677 0	G - E	3229 -606
C - G	110 -683	E - F	378 -1734
D - G	241 -689		

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Lumber	Wind	B - C	533	- 4418	D - E	288	- 3043
Top chord: 2x4 SP #2; Bot chord: 2x6 SP 2400F-2.0E; Webs: 2x4 SP #3; W6 2x4 SP #2;	Wind loads and reactions based on MWFRS. Right end vertical not exposed to wind pressure.	Maximum Bot Chord Forces Per Ply (lbs)					
		Chords	Tens.Comp.		Chords	Tens. Comp.	
Nailnote		A - I	5725	- 795	H - G	4183	- 500
		I - H	5661	- 784			

Special Loads

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

TC: From	61 plf at	0.00 to	61 plf at	6.19
TC: From	31 plf at	6.19 to	31 plf at	9.00
TC: From	61 plf at	9.00 to	61 plf at	16.96
BC: From	20 plf at	0.00 to	20 plf at	4.19
BC: From	10 plf at	4.19 to	10 plf at	14.19
BC: From	20 plf at	14.19 to	20 plf at	16.96
BC: 1312 lb Conc. Load at	4.19			
BC: 1336 lb Conc. Load at	6.19			
BC: 1337 lb Conc. Load at	8.19			
BC: 1329 lb Conc. Load at	10.19			
BC: 1315 lb Conc. Load at	12.19			
BC: 1402 lb Conc. Load at	14.19			

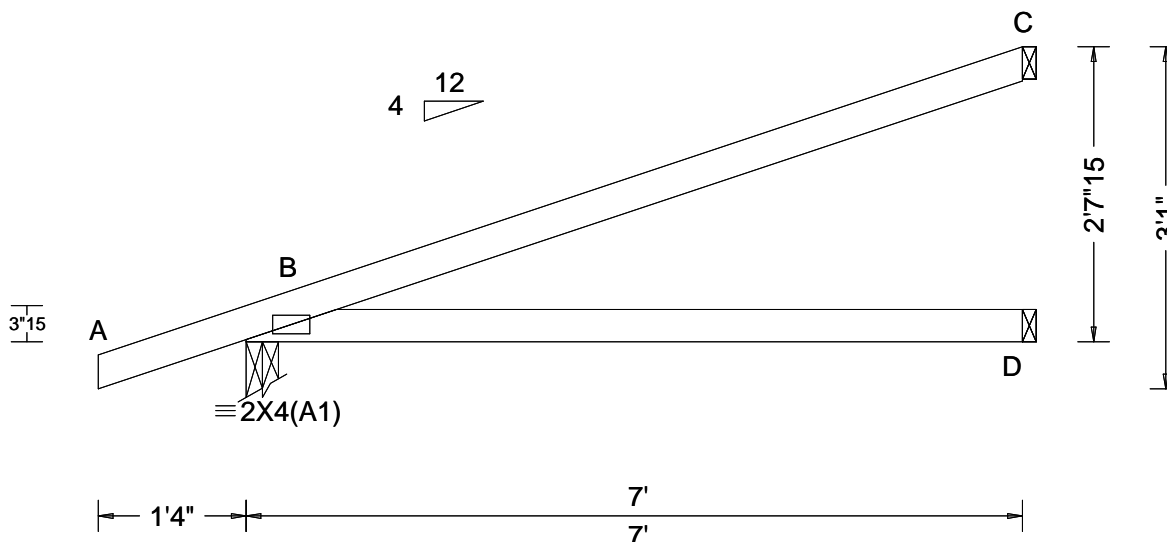
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SEQN: 307110 FROM: CDM	EJAC Ply: 1 Qty: 6	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J01	Cust: R 215 JRef: 1WTK2150002 T37 DrwNo: 076.20.1015.47077 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.015 D - - HORZ(TL): 0.030 D - - Creep Factor: 2.0 Max TC CSI: 0.687 Max BC CSI: 0.498 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 387 - / - /258 /67 /79 D 127 - / - /88 - / - C 183 - / - /83 /60 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

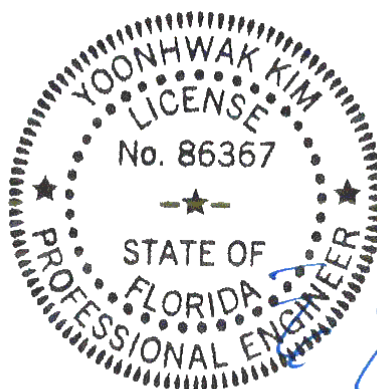
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-7-15.



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03/16/2020

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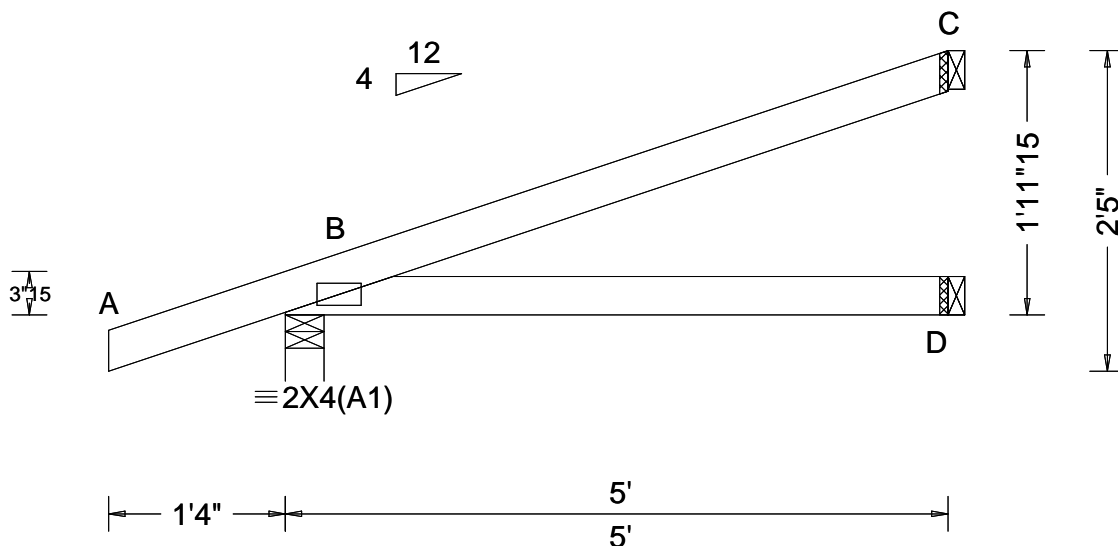
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SEQN: 307111 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J02	Cust: R 215 JRef: 1WTK2150002 T38 DrwNo: 076.20.1015.48267 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 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 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.300 Max BC CSI: 0.241 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 310 - / - /210 /56 /60 D 88 - / - /59 - / - C 125 - / - /56 /41 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

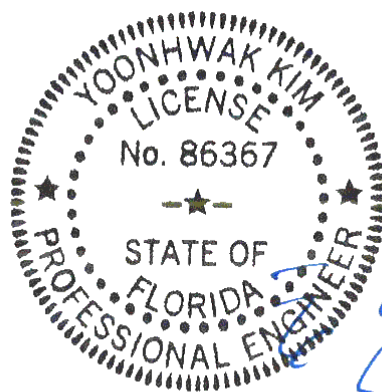
Wind

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

Additional Notes

Refer to General Notes for additional information

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



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03/16/2020

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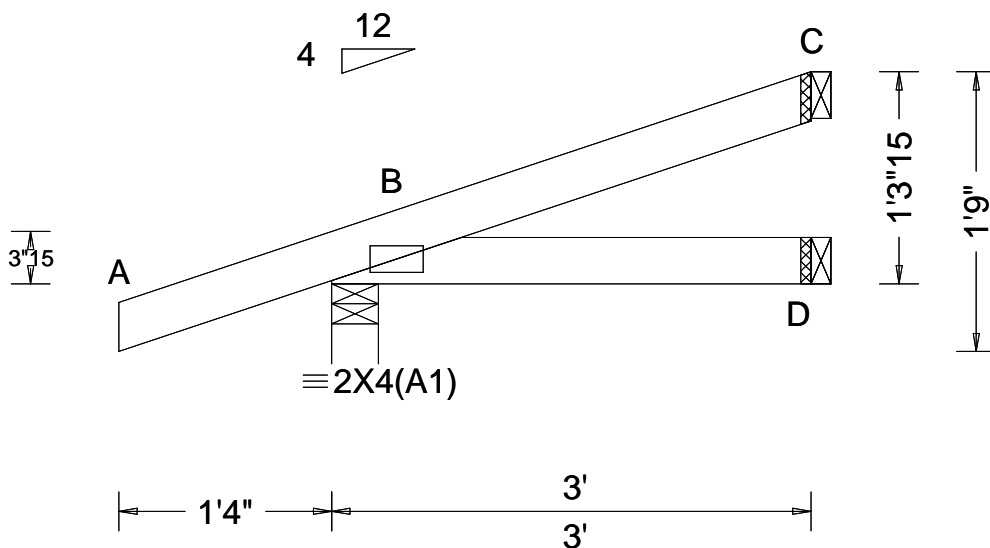
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Orlando FL, 32821

SEQN: 307112 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J03	Cust: R 215 JRef: 1WTK2150002 T39 DrwNo: 076.20.1015.49490 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.234 Max BC CSI: 0.069 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 240 /- /- /167 /52 /41 D 48 /- /- /36 /- /- C 63 /- /- /26 /21 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

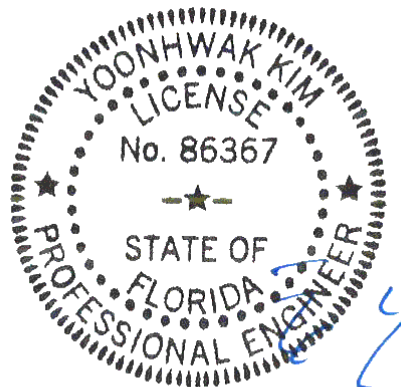
Wind

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

Additional Notes

Refer to General Notes for additional information

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



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03/16/2020

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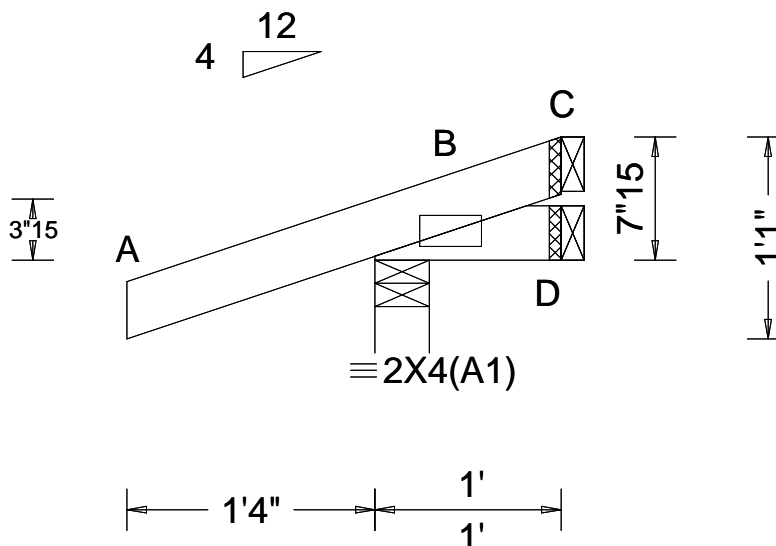
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Orlando FL, 32821

SEQN: 307113 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J04	Cust: R 215 JRef: 1WTK2150002 T40 DrwNo: 076.20.1015.50913 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.026 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 217 /- /- /162 /81 /23 D 4 /-13 /- /18 /14 /- C - /-36 /- /27 /35 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

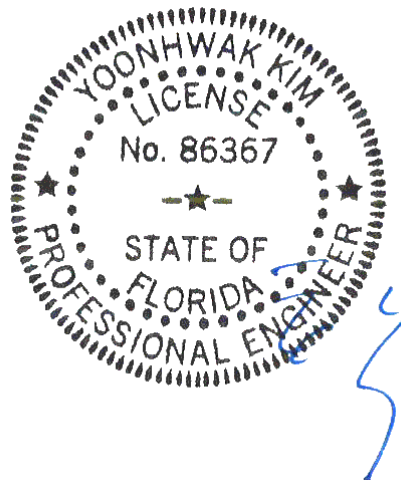
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0'-7-15.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

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

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Lumber	B - C	176 - 1004
Top chord: 2x4 SP #2;		
Bot chord: 2x4 SP #2;		
Webs: 2x4 SP #3;		
	Maximum Bot Chord Forces Per Ply (lbs)	
	Chords	Tens. Comp.
	Chords	Tens. Comp.

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

Wind loads and reactions based on MWFRS.

Refer to General Notes for additional information

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.

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FL REG# 278, Yoonhwak Kim, FL PE #86367
02/16/2020

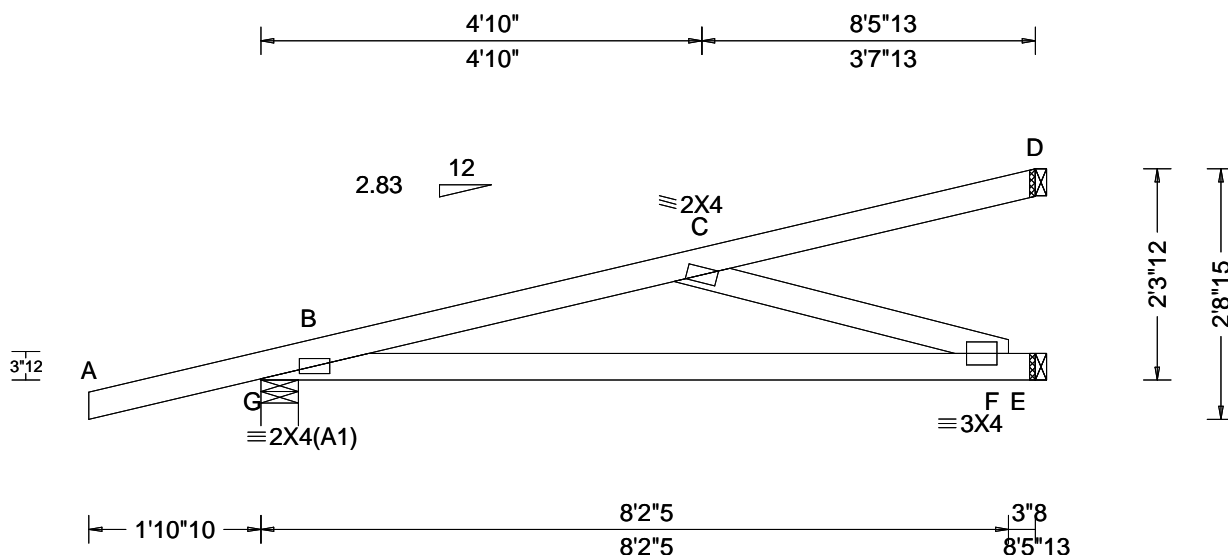
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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Component Safety Information, by H-1 and OSHA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord 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.

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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.sbcindustry.com; ICC: www.iccsafe.org Orlando FL, 32821

SEQN: 307115 FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J06HJ	Cust: R 215 JRef: 1WTK2150002 T3 DrwNo: 076.20.1016.03263 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.025 C 999 240 VERT(CL): 0.069 F 999 180 HORZ(LL): 0.006 F - - HORZ(TL): 0.018 F - - Creep Factor: 2.0 Max TC CSI: 0.473 Max BC CSI: 0.768 Max Web CSI: 0.276 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G 314 -/- /- /125 -/ E 343 -/- /- /45 -/ D 135 -/- /- /38 -/ Wind reactions based on MWFRS G Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

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

TC: From 0 plf at -1.89 to 61 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 8.49
BC: From 0 plf at -1.89 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 8.49
TC: -22 lb Conc. Load at 1.48
TC: 127 lb Conc. Load at 4.31
TC: 251 lb Conc. Load at 7.13
BC: 9 lb Conc. Load at 1.48
BC: 97 lb Conc. Load at 4.31
BC: 176 lb Conc. Load at 7.13

Wind

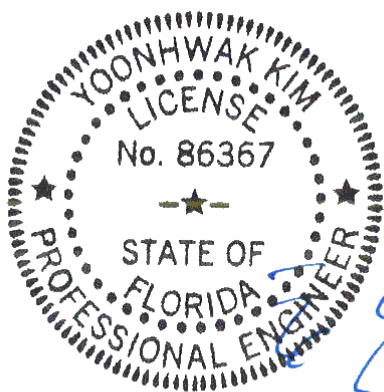
Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-3"-12".

Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.

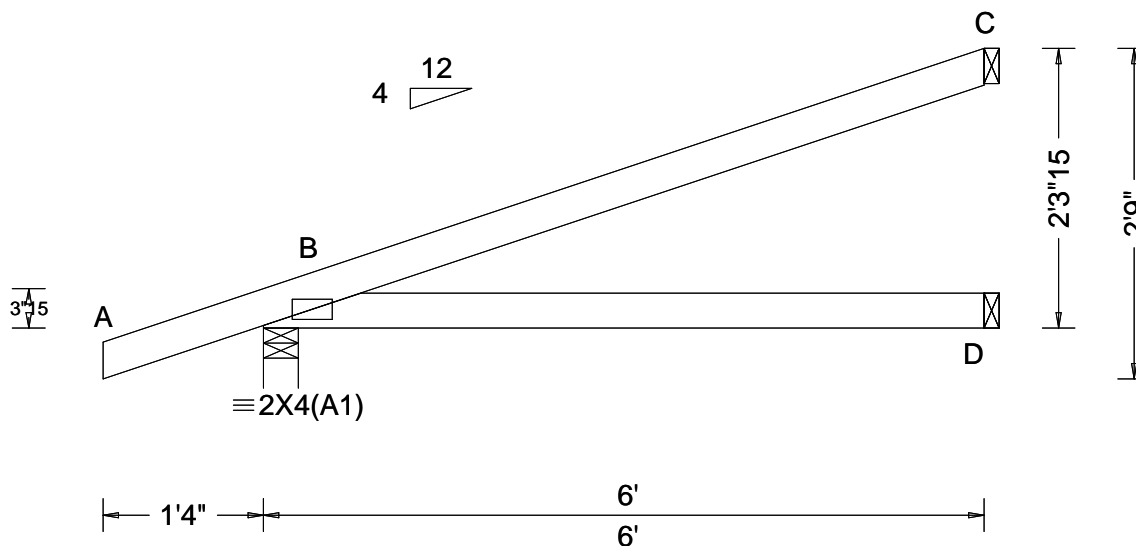


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03/16/2020

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SEQN: 307116 FROM: CDM	EJAC Ply: 1 Qty: 2	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J07	Cust: R 215 JRef: 1WTK2150002 T41 DrwNo: 076.20.1016.05040 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 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): 0.009 D - - HORZ(TL): 0.018 D - - Creep Factor: 2.0 Max TC CSI: 0.474 Max BC CSI: 0.358 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 348 - / - / 234 / 62 / 70 D 108 - / - / 74 - / - C 155 - / - / 70 / 50 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

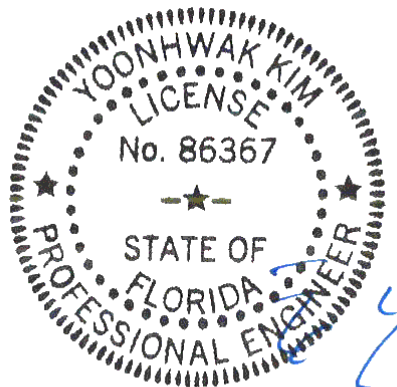
Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-3-15.



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03/16/2020

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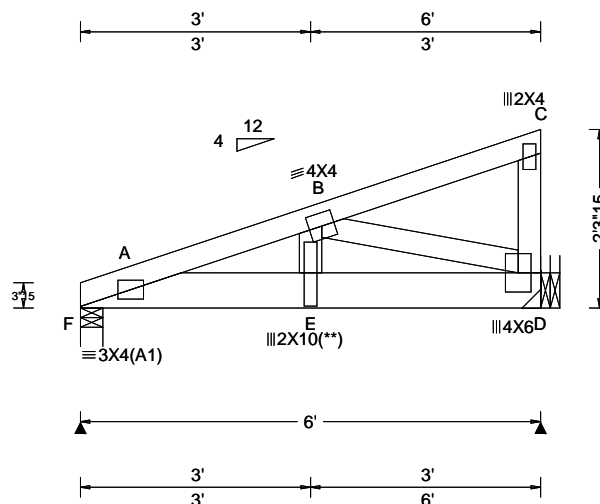
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.023 E 999 240 VERT(CL): 0.045 E 999 180 HORZ(LL): -0.005 C - - HORZ(TL): 0.010 C - - Creep Factor: 2.0 Max TC CSI: 0.213 Max BC CSI: 0.344 Max Web CSI: 0.422 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity F 1851 /- /- /- /299 /- D 1829 /- /- /- /294 /- Wind reactions based on MWFRS F Brg Width = 3.5 Min Req = 1.5 D Brg Width = - Min Req = - Bearing F is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. A - B 307 - 1949

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 @ 6.00" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 61 plf at 0.00 to 61 plf at 6.00
BC: From 10 plf at 0.00 to 10 plf at 6.00
BC: 1627 lb Conc. Load at 2.06, 4.06

Plating Notes

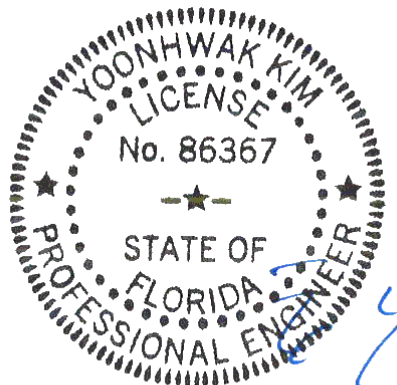
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Wind loads and reactions based on MWFRS.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 2-3-15.



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03/16/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - E	1850 -290	E - D	1738 -274

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - B	1107 -151	B - D	288 -1826

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SEQN: 307117 FROM: CDM Page 2 of 2	EJAC Ply: 2 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J08	Cust: R 215 JRef: 1WTK2150002 T29 DrwNo: 076.20.1016.10523 / YK 03/16/2020
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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 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.

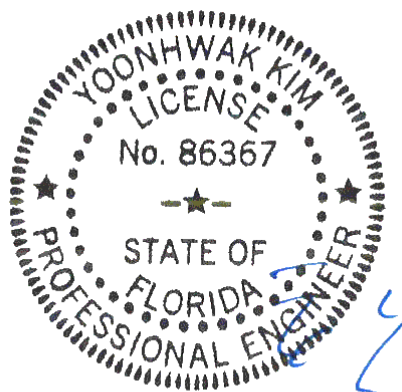
Bearing at location x=5'9" uses the following support conditions: 5'9"

Bearing D (5'9", 9'1"2) HGUS26-2

Supporting Member: (2)2x6 SP 2400f-2.0E

(20) 0.148"x3" nails into supporting member,

(6) 0.148"x3" nails into supported member.



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03/16/2020

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

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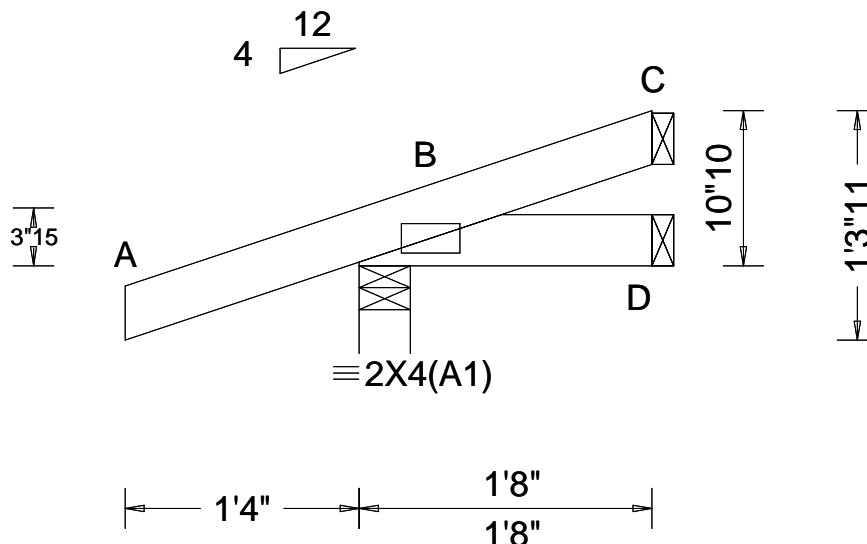
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SEQN: 307118 FROM: CDM	JACK Ply: 1 Qty: 7	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: J09	Cust: R 215 JRef: 1WTK2150002 T48 DrwNo: 076.20.1016.15790 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.035 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 208 - / - /150 /63 /28 D 20 - / - /23 /8 - C 12 - / - /15 /8 - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 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;

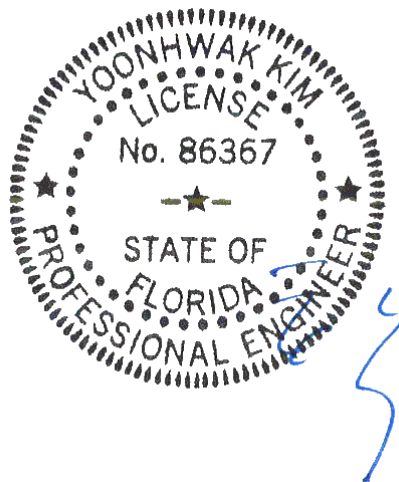
Wind

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

Additional Notes

Refer to General Notes for additional information

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



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03/16/2020

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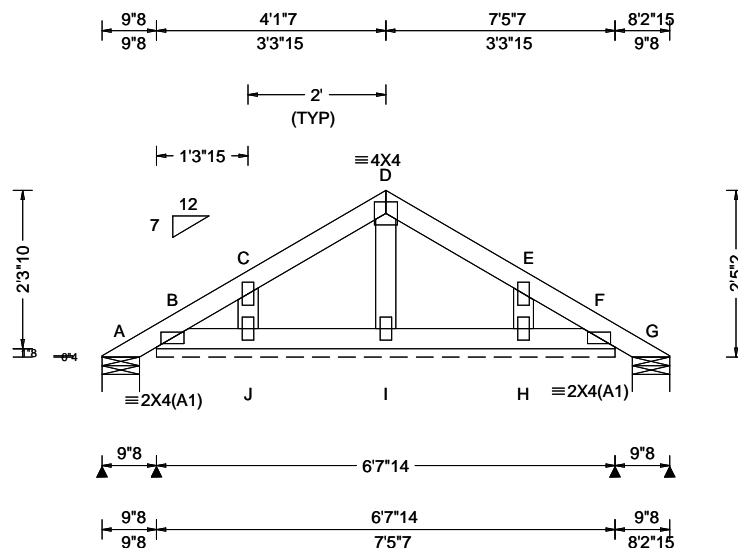
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SEQN: 307119 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: PB01	Cust: R 215 JRef: 1WTK2150002 T32 DrwNo: 076.20.1016.17207 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 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 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 D 999 240 VERT(CL): 0.000 D 999 180 HORZ(LL): 0.000 E - - HORZ(TL): 0.000 E - - Creep Factor: 2.0 Max TC CSI: 0.050 Max BC CSI: 0.029 Max Web CSI: 0.022 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 25 - / - /38 /23 /62 B* 95 - / - /45 /8 - G 37 - / - /15 /3 - Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 79.9 Min Req = - G Brg Width = 6.5 Min Req = 1.5 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 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 rigid ceiling use purlins to brace BC @ 24" oc.

Wind

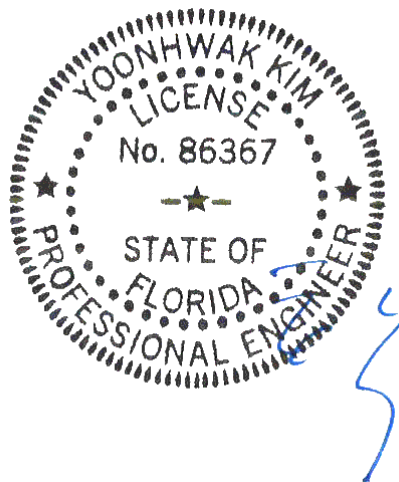
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

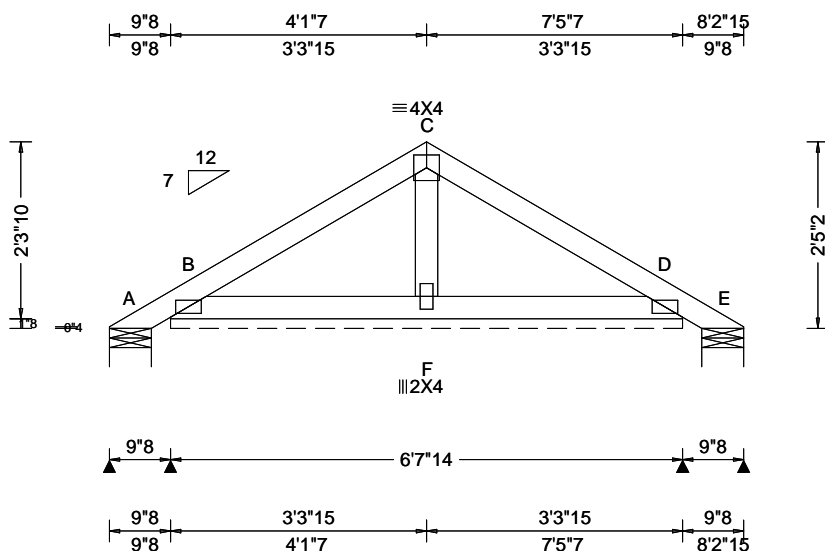
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307120 FROM: CDM	COMN Ply: 1 Qty: 11	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: PB02	Cust: R 215 JRRef: 1WTK2150002 T33 DrwNo: 076.20.1016.18320 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.75 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 6.50 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 Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 F 999 240 VERT(CL): 0.002 F 999 180 HORZ(LL): -0.001 F - - HORZ(TL): 0.002 F - - Creep Factor: 2.0 Max TC CSI: 0.115 Max BC CSI: 0.113 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-38 /- /42 /55 /62 B* 114 /- /- /51 /14 /- E - /-38 /- /17 /24 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 79.9 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Purlins

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

Wind

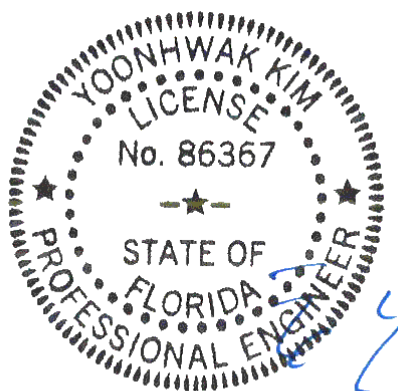
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

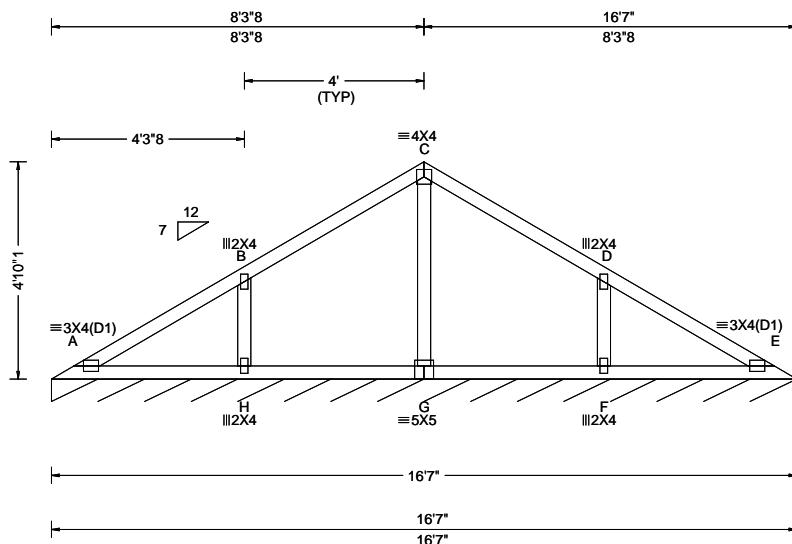
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307121 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: V01	Cust: R 215 JRef: 1WTK2150002 T4 DrwNo: 076.20.1016.19627 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 H 999 240 VERT(CL): 0.013 H 999 180 HORZ(LL): 0.002 H - - HORZ(TL): 0.005 H - - Creep Factor: 2.0 Max TC CSI: 0.318 Max BC CSI: 0.158 Max Web CSI: 0.114 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity E* 83 /- /- /43 /1 /7 Wind reactions based on MWFRS E Brg Width = 199 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

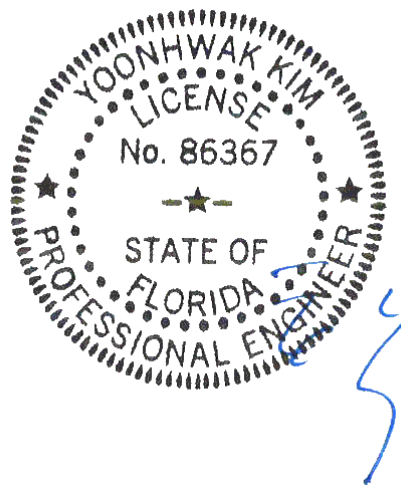
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4'-10"-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

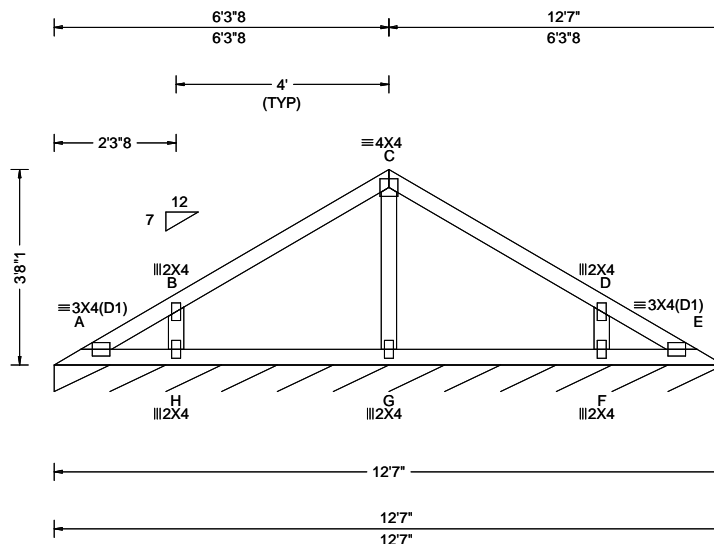
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307122 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: V02	Cust: R 215 JRef: 1WTK2150002 T11 DrwNo: 076.20.1016.20653 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 C 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.117 Max Web CSI: 0.049 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /43 /0 /7 Wind reactions based on MWFRS E Brg Width = 151 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

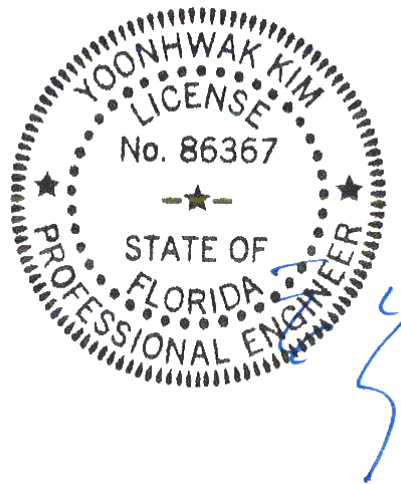
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 3-8-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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

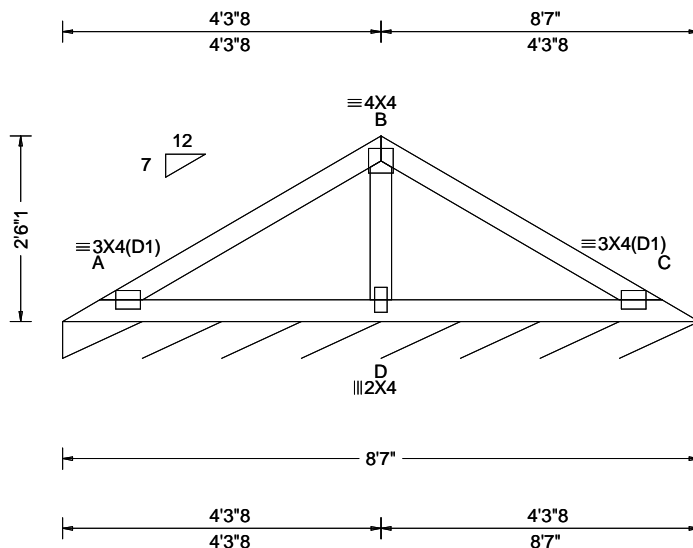
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 307123 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4026 /Heather Inventory Home /ZECHER CONSTRUCTION Truss Label: V03	Cust: R 215 JRef: 1WTK2150002 T44 DrwNo: 076.20.1016.22073 / YK 03/16/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.008 D 999 240 VERT(CL): 0.017 D 999 180 HORZ(LL): -0.004 D - - HORZ(TL): 0.008 D - - Creep Factor: 2.0 Max TC CSI: 0.249 Max BC CSI: 0.199 Max Web CSI: 0.085 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /42 /- /6 Wind reactions based on MWFRS C Brg Width = 103 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 168 -428

Lumber

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

Wind

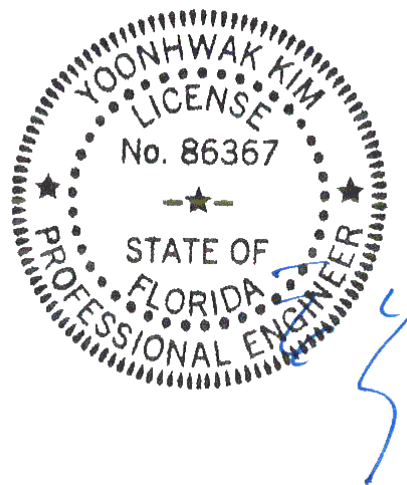
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 26'-1".



FL REG# 278, Yoonhwak Kim, FL PE #86367
03/16/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

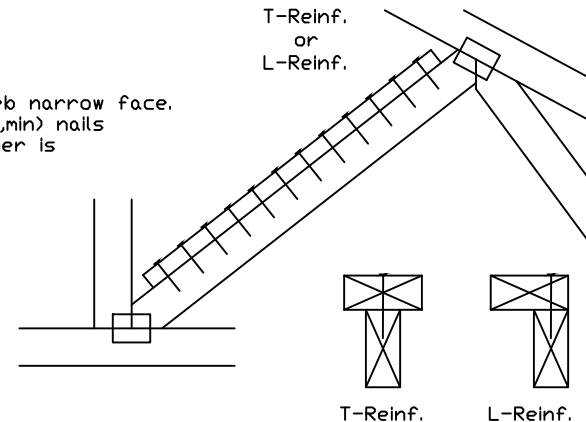
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4(*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6(*)

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

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

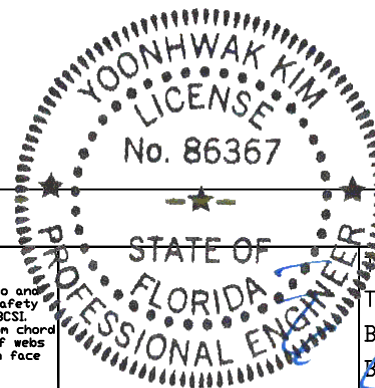
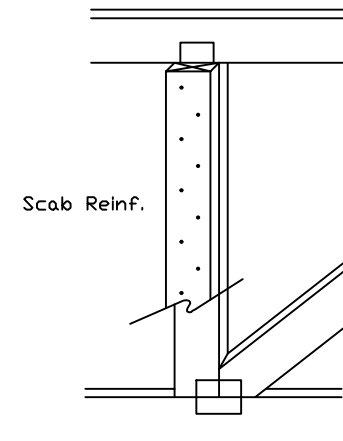
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

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

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

Gable Stud Reinforcement Detail

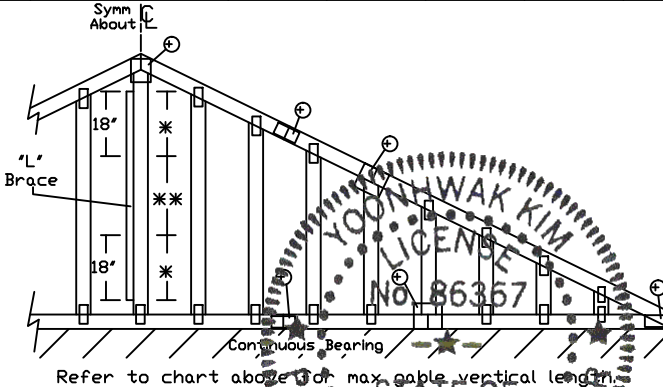
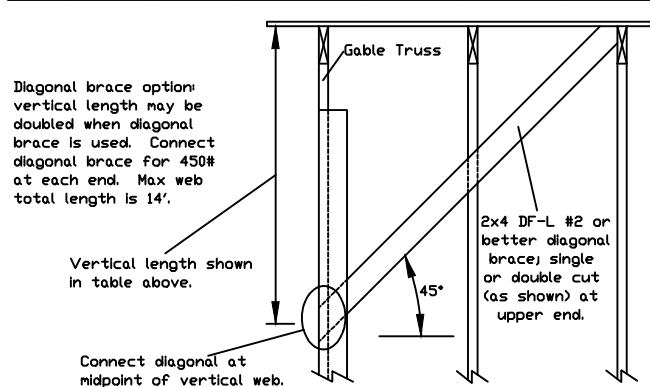
ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

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

Max Gable Vertical Length	2x4 Gable Vertical		Brace	No Braces	(1) 1x4 'L' Brace *		(1) 2x4 'L' Brace *		(2) 2x4 'L' Brace **		(1) 2x6 'L' Brace *		(2) 2x6 'L' Brace **	
	Spacing	Species			Group A		Group B		Group A		Group B		Group A	
			Grade											
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"
		DFL	Standard	4' 1"	5' 8"	6' 0"	7' 7"	8' 1"	10' 6"	11' 10"	12' 8"	14' 0"	14' 0"	14' 0"
			#1	4' 6"	7' 4"	7' 8"	8' 8"	9' 0"	10' 4"	10' 9"	13' 8"	14' 0"	14' 0"	14' 0"
			#2	4' 3"	7' 3"	7' 7"	8' 7"	8' 11"	10' 3"	10' 8"	13' 6"	14' 0"	14' 0"	14' 0"
	SP	DFL	#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"
		SPF	#1 / #2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
			#3	4' 8"	8' 1"	8' 8"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			Stud	4' 8"	8' 1"	8' 6"	9' 8"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
16" o.c.	SPF	HF	Standard	4' 8"	6' 11"	7' 5"	9' 3"	9' 11"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 1"	8' 5"	8' 9"	9' 11"	10' 4"	11' 10"	12' 4"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	4' 11"	8' 4"	8' 8"	9' 10"	10' 3"	11' 8"	12' 2"	14' 0"	14' 0"	14' 0"	14' 0"
		DFL	#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"
	SP	SPF	#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"
		HF	Standard	5' 1"	8' 0"	8' 6"	10' 8"	11' 1"	12' 9"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"
			#1	5' 8"	9' 3"	9' 8"	10' 11"	11' 4"	13' 0"	13' 6"	14' 0"	14' 0"	14' 0"	14' 0"
			#2	5' 5"	9' 2"	9' 6"	10' 10"	11' 3"	12' 11"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SP	DFL	#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		Hem-Fir	
#1 / #2	Standard	#2	Stud
#3	Stud	#3	Standard
Douglas Fir-Larch		Southern Pine****	
#3		#3	
Stud		Stud	
Standard		Standard	
Group B:			
Hem-Fir			
#1 & Btr			
#1			
Douglas Fir-Larch		Southern Pine****	
#1		#1	
#2		#2	

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

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

* For (1) 'L' brace: space nails at 2' o.c.

In 18' end zones and 4' o.c. between zones.

**For (2) 'L' braces: space nails at 3' o.c.

In 18' end zones and 6' o.c. between zones.

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

Gable Vertical Plate Sizes

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

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

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



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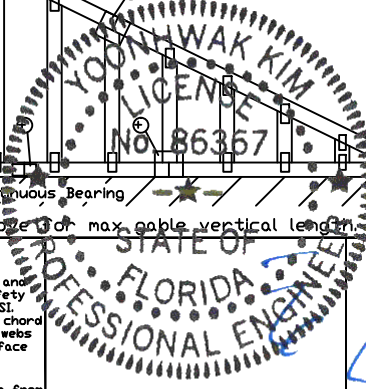
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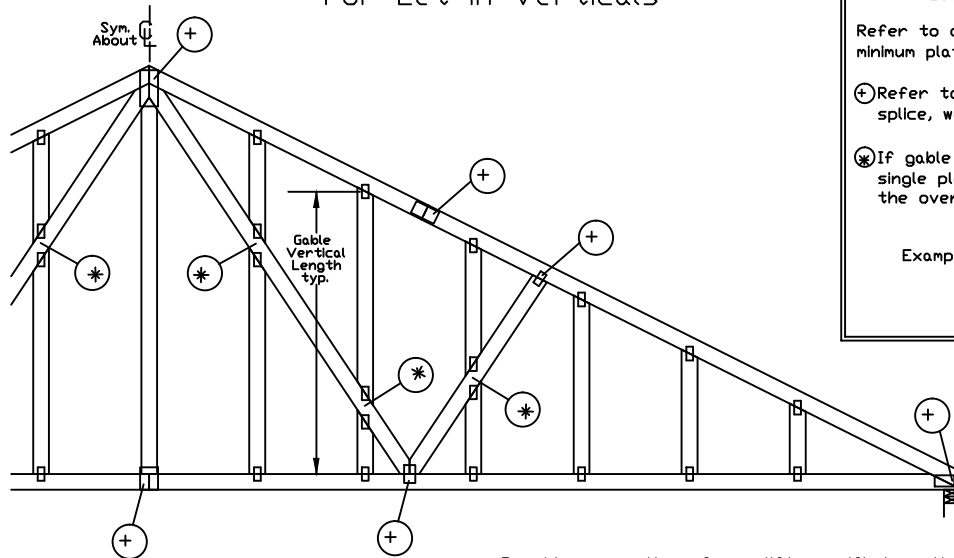
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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

Gable Detail For Let-in Verticals



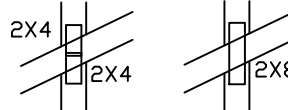
Gable Truss Plate Sizes

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

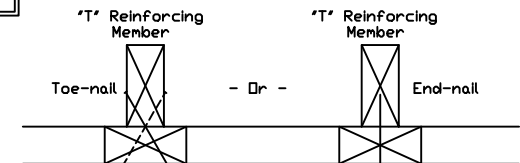
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ 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"x 3", min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

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

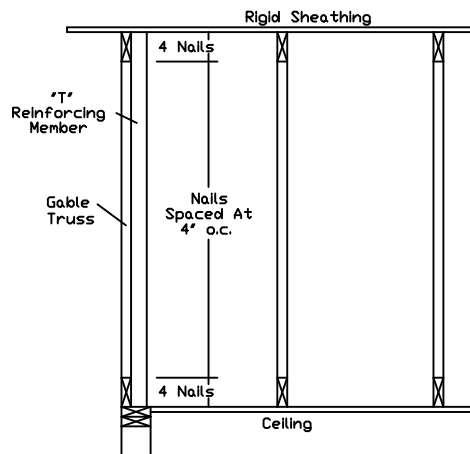
ASCE 7-05 Gable Detail Drawings

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

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

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

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



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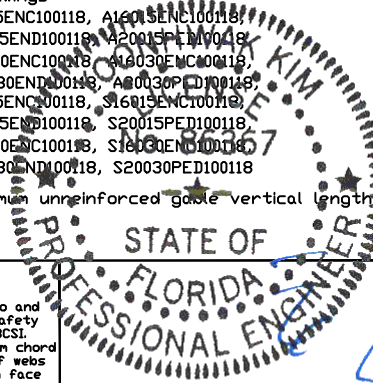
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For more information see this Job's general notes page and these web sites: 01/16/2020
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ALPINE
AN ITW COMPANY

13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043



Yoonhwak Kim, FL PE #86367

REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"

NAIL SPACING DETAIL

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

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

LOAD PERPENDICULAR TO GRAIN

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

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

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

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

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

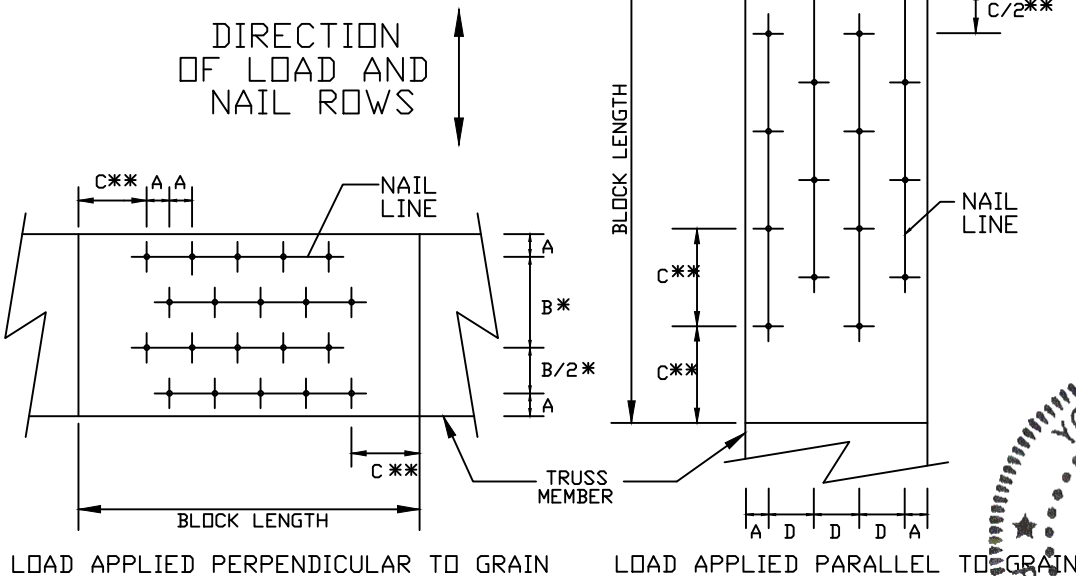
IF NAIL HOLES ARE PREBORED, SOME SPACING

MAY BE REDUCED BY THE AMOUNTS GIVEN

BELOW:

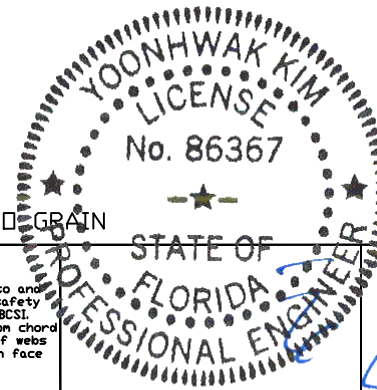
* SPACING MAY BE REDUCED BY 50%

** SPACING MAY BE REDUCED BY 33%



MINIMUM NAIL SPACING DISTANCES

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



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REF NAIL SPACE
DATE 10/01/14
DRWG CNNAILSP1014

Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

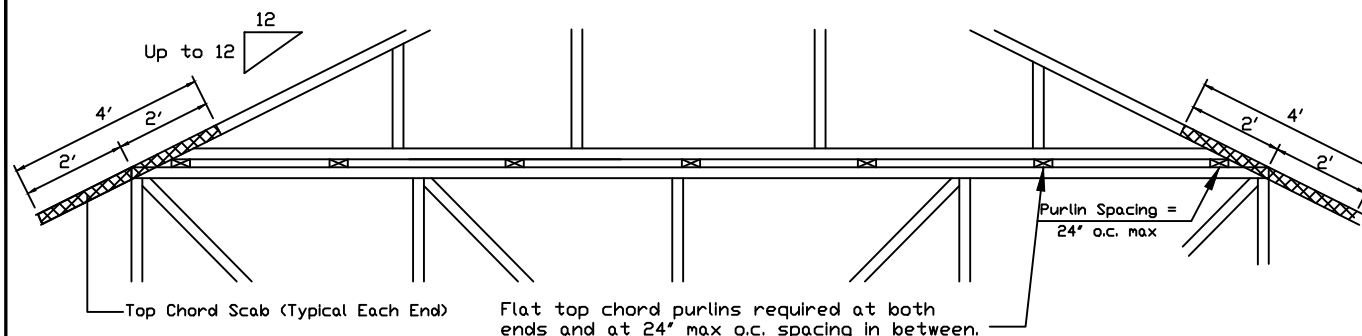
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.00.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.00.

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

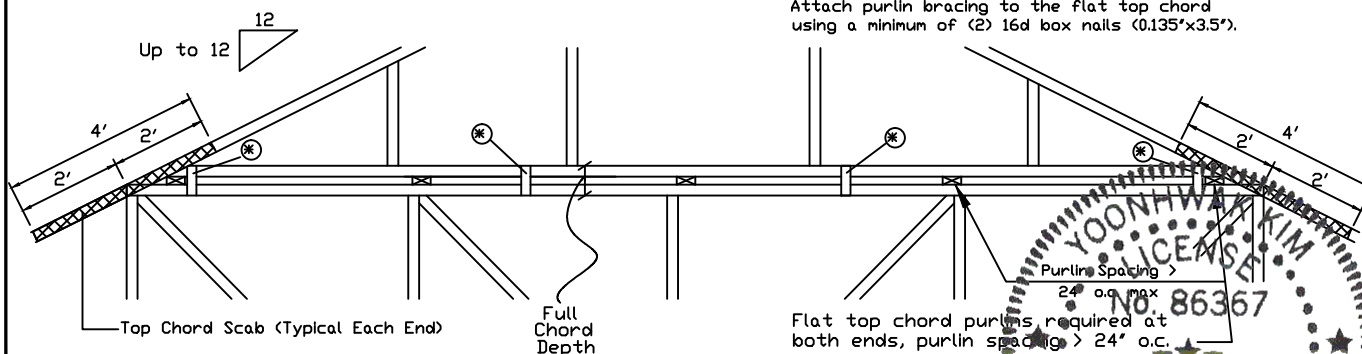


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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 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").

Flat top chord purlins required at both ends, purlin spacing > 24' o.c.

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.

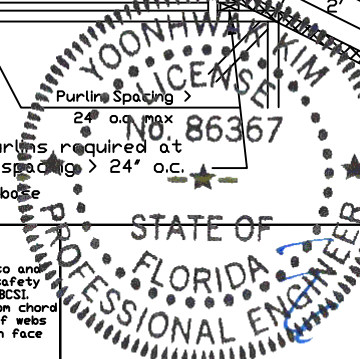
* In addition, provide connection with one of the following methods:

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 cap truss 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.



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REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

SPACING 24.0'

Valley Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exp. C, Kzt=1.00

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

*** Attach each valley to every supporting truss with:
 (2) 16d box (0.135" x 3.5") nails toe-nailed for
 ASCE 7-10 160 mph. 30' Mean Height, Enclosed
 Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
 Or
 ASCE 7-10 140 mph. 30' Mean Height, Enclosed
 Building, Exp. D, Wind TC DL=5 psf, Kzt = 1.00

Bottom chord may be square or pitched cut
 as shown.

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

All plates shown are ITW BCG Wave Plates.

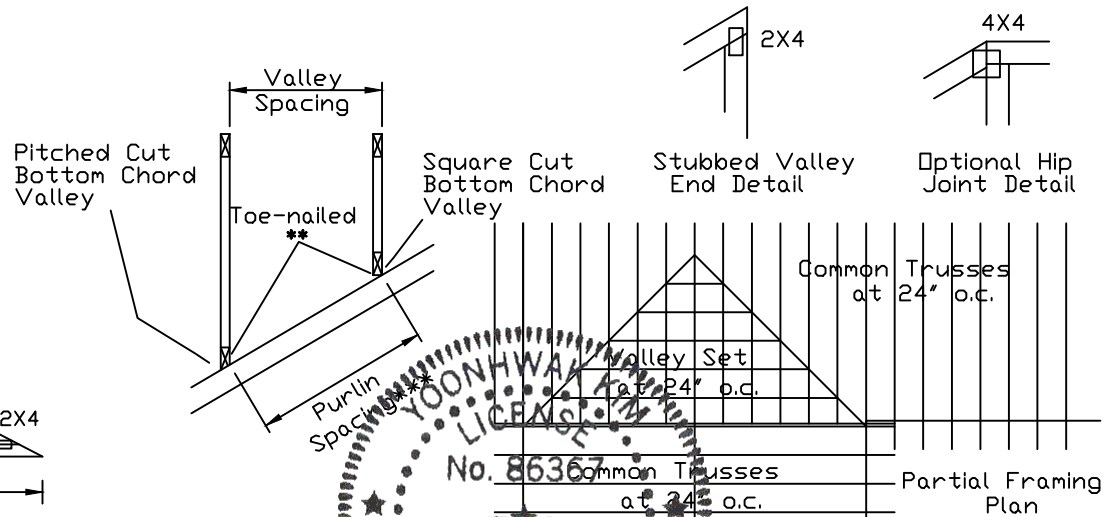
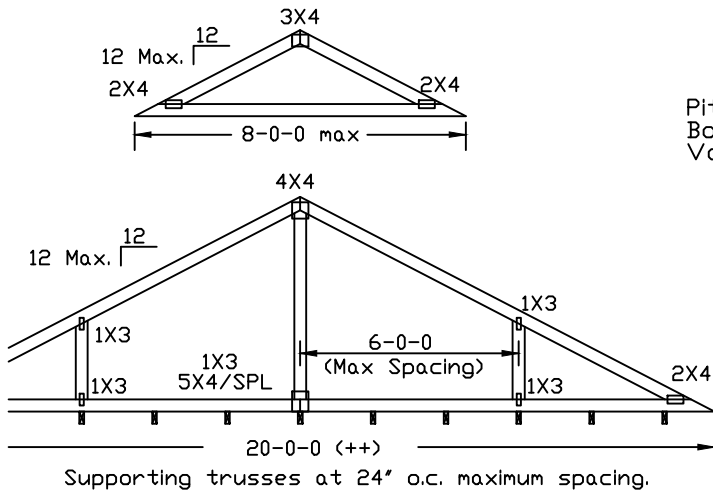
Unless specified otherwise on engineer's sealed design, for vertical
 valley webs taller than 7'-9" apply 2x4 "T" reinforcement, 80% length of
 web, same species and grade or better, attached with 10d box
 (0.128" x 3.0") nails at 6" o.c. In lieu of "T" reinforcement, 2x4 Continuous
 Lateral Restraint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

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

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

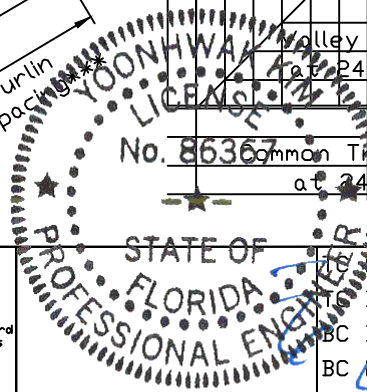
*** Note that the purlin spacing for bracing the top chord of the truss
 beneath the valley is measured along the slope of the top chord.

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



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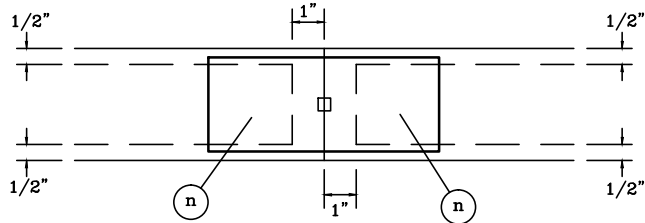
WARNING: READ AND FOLLOW ALL NOTES ON THIS DRAWING
IMPORTANT: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.
 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 Sec2.
 For more information see this job's general notes page and these web sites:
 ALPINE: www.alpineitw.com TPI: www.tpinet.org SBCA: www.sbcindustry.org ICC: www.iccsafe.org



7/8" LL	30	30	40PSF	REF	VALLEY DETAIL
1" DE	20	15	7PSF	DATE	10/01/2014
BC DL	10	10	10 PSF	DRWG	VAL160101014
BC LL	0	0	0 PSF		
TOT. L.D.	60	55	57PSF		
DUR.FAC.1.25/1.33	1.15	1.15			
SPACING	24.0"				

TRULOX INFORMATION DETAIL

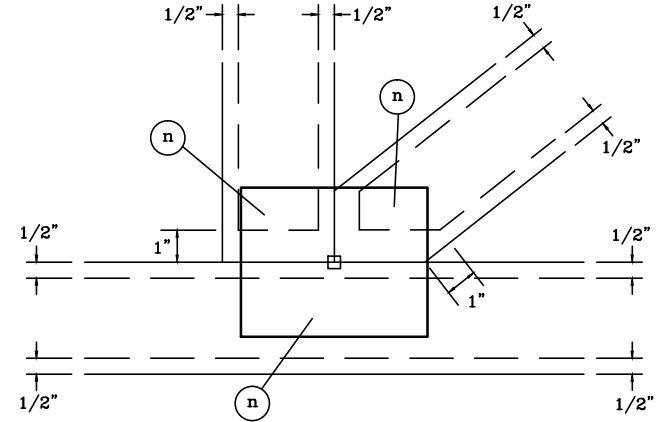
TYPICAL OFF PANEL SPLICE



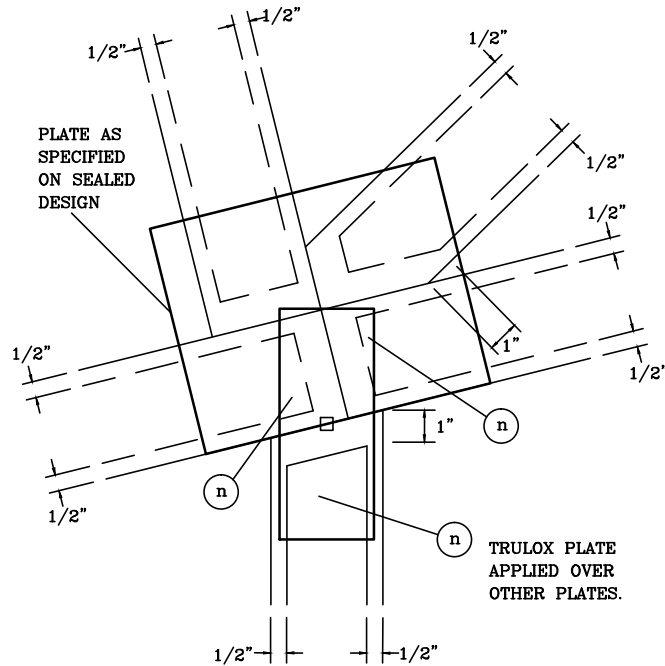
DO NOT APPLY NAILS WITHIN 1/2" OF LUMBER EDGES OR 1" OF LUMBER ENDS ON EACH FACE, AS SHOWN BY DASHED LINES.

NAILS MUST NOT SPLIT LUMBER.

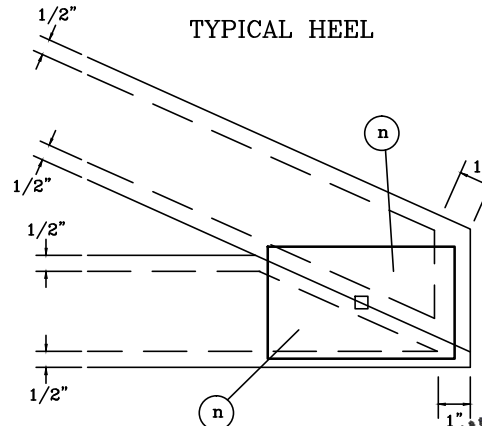
TYPICAL PANEL POINT WITHOUT SPLICE



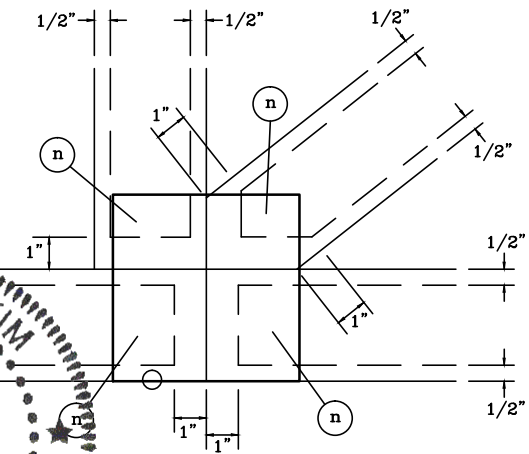
TYPICAL FILLER



TYPICAL HEEL



TYPICAL PANEL POINT SPLICE



NOTES:

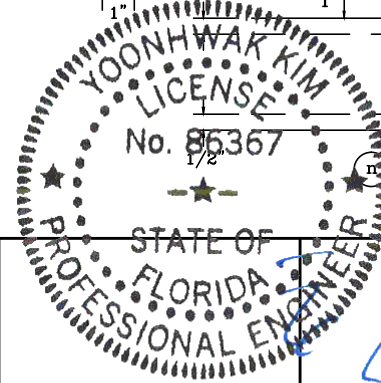
(n) IS THE REQUIRED NUMBER OF 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY AS SPECIFIED ON THE SEALED DESIGN REFERENCING THIS DETAIL.

○ LOCATES PLATE CORNER OR FLUSH EDGE.

□ LOCATES PLATE CENTER.



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TRULOX PLATING

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DATE 10/01/14