

JOB #: 20-4595

Job Name: Gerald Smith-Derrick & Kr
Customer: S&S CONSTRUCTION
Designer: Fill in later
Address:
SALESMAN: HOUSE
<Not Found>

JOB NO:
20-4595

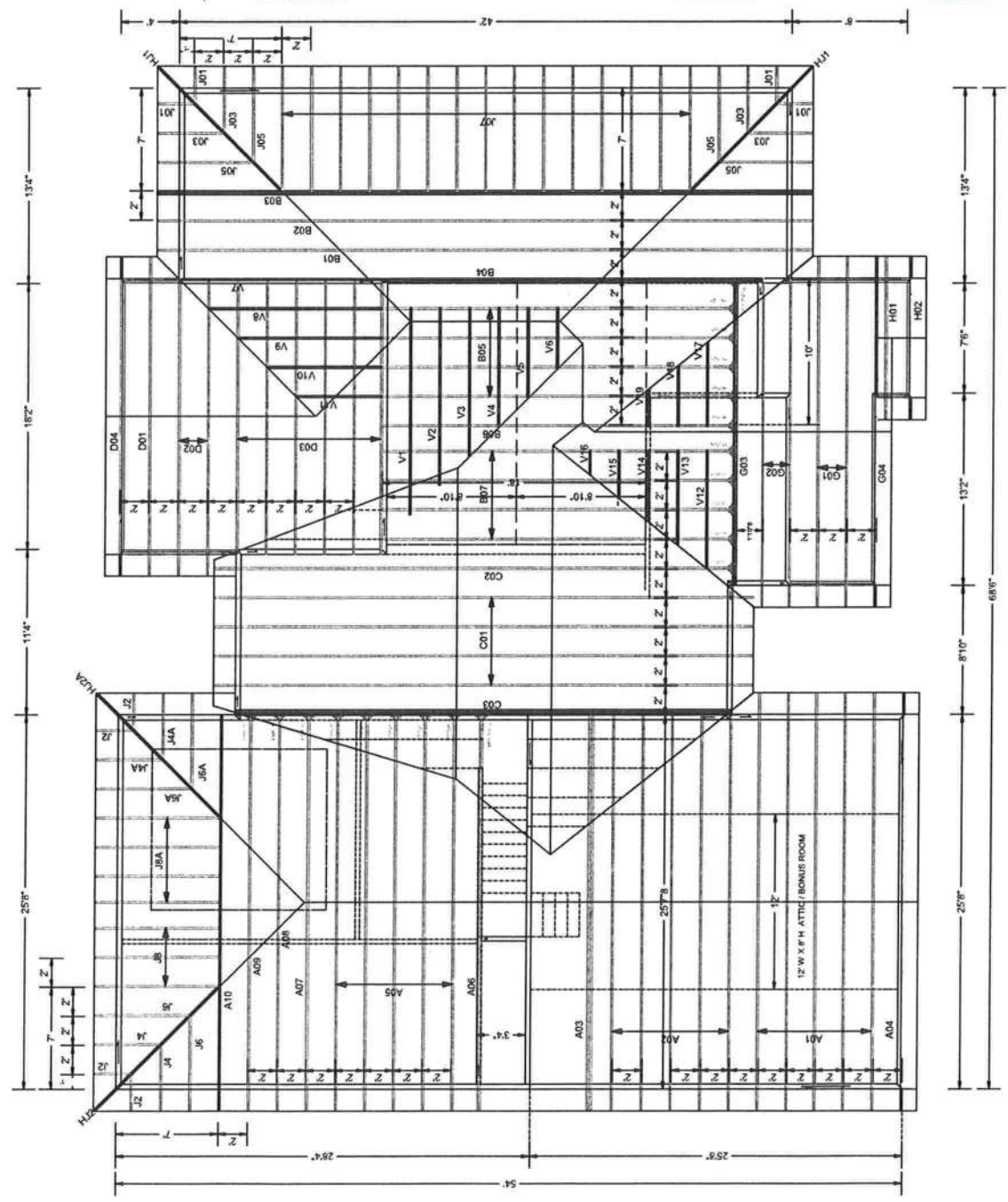
PAGE NO:
1 OF 1

Total Truss Quantity = 139.

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

ROOF PITCH: 3, 8, & 10/12
OVERHANG: 18" Plumb
CEILING: 12" TRAY M-BEDROOM
5/12 VAULT GREAT ROOM
EXT. WALLS: 2 X 4 X 8'
LOADING: 40 PSF
WIND LOAD: 130 MPH
EXPOSURE: C
DATE: 9/24/20

20 - TRUSS TO TRUSS CONNECTIONS:
18 - HUS26
1 - HGUS26-2
1 - HGUS28-2





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

Alpine, an ITW Company
6750 Forum Drive, Suite 305
Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4595
Job Description: Derrick & Kristi Hall	
Address:	

Job Engineering Criteria:			
Design Code: FBC 2017 RES		IntelliVIEW Version: 20.01.00A JRef #: 1WYY2150002	
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed, Partial		Floor Load (psf): None	

This package contains general notes pages, 63 truss drawing(s) and 5 detail(s).

Item	Drawing Number	Truss
1	268.20.0923.30570	A01
3	268.20.0923.37437	A03
5	268.20.0923.43073	A05
7	268.20.0924.04757	A07
9	268.20.0924.13790	A09
11	268.20.0924.24113	B01
13	268.20.0924.30907	B03
15	268.20.0924.43237	B05
17	268.20.0924.48817	B07
19	268.20.0924.55287	C02
21	268.20.0925.55180	D01
23	268.20.0926.00337	D03
25	268.20.0926.29353	G01
27	268.20.0926.39343	G03
29	268.20.0927.18353	H01
31	268.20.0927.48923	HJ1
33	268.20.0927.58670	HJ2A
35	268.20.0928.02077	J03
37	268.20.0928.05023	J07
39	268.20.0928.08080	J4
41	268.20.0928.11500	J6
43	268.20.0928.15317	J8
45	268.20.0928.19970	V1
47	268.20.0928.22567	V11
49	268.20.0928.24517	V13
51	268.20.0928.26260	V15

Item	Drawing Number	Truss
2	268.20.0923.33183	A02
4	268.20.0923.40763	A04
6	268.20.0923.50123	A06
8	268.20.0924.09150	A08
10	268.20.0924.20143	A10
12	268.20.0924.26740	B02
14	268.20.0924.40063	B04
16	268.20.0924.46120	B06
18	268.20.0924.51960	C01
20	268.20.0925.51010	C03
22	268.20.0925.57583	D02
24	268.20.0926.26100	D04
26	268.20.0926.31077	G02
28	268.20.0927.15507	G04
30	268.20.0927.33663	H02
32	268.20.0927.53940	HJ2
34	268.20.0928.00633	J01
36	268.20.0928.03533	J05
38	268.20.0928.06373	J2
40	268.20.0928.09833	J4A
42	268.20.0928.13530	J6A
44	268.20.0928.17613	J8A
46	268.20.0928.21373	V10
48	268.20.0928.23607	V12
50	268.20.0928.25397	V14
52	268.20.0928.27253	V16



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 20-4595
Job Description: Derrick & Kristi Hall	
Address:	

Item	Drawing Number	Truss
53	268.20.0928.28157	V17
55	268.20.0928.30077	V19
57	268.20.0928.32040	V3
59	268.20.0928.34003	V5
61	268.20.0928.36050	V7
63	268.20.0928.41117	V9
65	BRCLBSUB0119	
67	A16015ENC101014	

Item	Drawing Number	Truss
54	268.20.0928.29140	V18
56	268.20.0928.31120	V2
58	268.20.0928.32960	V4
60	268.20.0928.34980	V6
62	268.20.0928.37217	V8
64	A14015ENC101014	
66	GBLLETIN0118	
68	VAL160101014	

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 TCDL, 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.

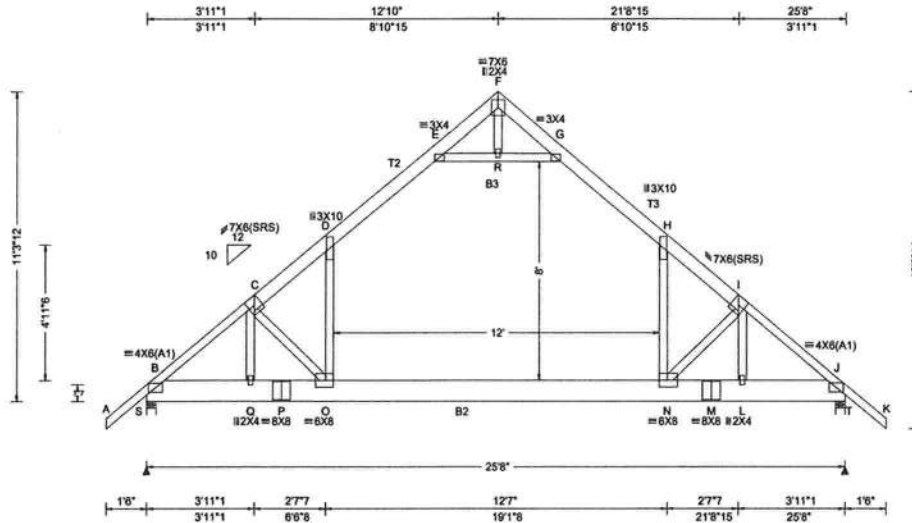
Refer to ASCE-7 for Wind and Seismic abbreviations.

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.: 514 Earth City Expressway, Suite 242, Earth City, MO 63045; 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: 372354 FROM: CDM	ATIC Qty: 5	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A01	Cust: R 215 JRef: 1WYY2150002 T47 DrwNo: 268.20.0923.30570 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 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 Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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/def L/# VERT(LL): 0.305 N 999 360 VERT(CL): 0.589 N 516 240 HORZ(LL): 0.228 D - - HORZ(TL): 0.445 D - - Creep Factor: 2.0 Max TC CSI: 0.872 Max BC CSI: 0.487 Max Web CSI: 0.642 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL S 2045 /- /- /753 /177 /389 T 2045 /- /- /753 /177 /- Wind reactions based on MWFRS S Brg Width = 4.0 Min Req = 2.4 T Brg Width = 4.0 Min Req = 2.4 Bearings S & T are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 337 -2533 F - G 465 -56 C - D 338 -2594 G - H 313 -1566 D - E 312 -1566 H - I 338 -2594 E - F 465 -53 I - J 335 -2533

Lumber

Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x10 SP #2; B2 2x10 SP 2400f-2.0E;
B3 2x4 SP #2;
Webs: 2x4 SP #3;

Loading

Attic room loading from 6-10-0 to 18-10-0: Live Load:
40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF,
Kneewalls: 10 PSF

Purlins

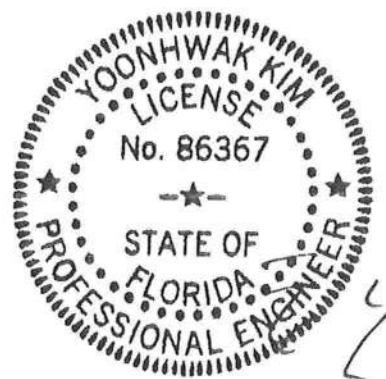
Collar-tie braced with continuous lateral bracing at 24"
oc. or rigid ceiling.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is
11-3-12.



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09/24/2020

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. Refer to job's General Notes page for additional information.

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

For more information see these web sites: Alpine: 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

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

- Members:**
 - Top Chords: $\angle 7X6$ (SRS) 12
 - Bottom Chords: $\angle 4X6$ (A1)
 - Vertical Posts: $\angle 3X10$ (D), $\angle 3X10$ (T3), $\angle 7X6$ (SRS) 12
 - Diagonal Bracing: $\angle 3X4$ (E, G), $\angle 3X4$ (F), $\angle 3X4$ (H, J), $\angle 3X4$ (I)
 - Horizontal Bracing: $\angle 3X4$ (E, G), $\angle 3X4$ (F), $\angle 3X4$ (H, J), $\angle 3X4$ (I)
 - Supports: $\angle 2X4$ (P, O, N), $\angle 6X6$ (B2), $\angle 6X6$ (M, L, K), $\angle 2X4$ (F3)
- Joints:** A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S.
- Dimensions:**
 - Overall Height: 11'3" x 12'
 - Overall Width: 25'7"
 - Horizontal Spacing: 3'11" (multiple), 12'10", 2'7", 19'1", 2'7", 21'8", 3'10", 25'7"
 - Vertical Spacing: 4'11"
 - Roof Pitch: 10/12

Lumber
Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x10 SP #2; B2 2x10 SP 2400f-2.0E;
B3 2x4 SP #2;
Webs: 2x4 SP #3;

Loading
Attic room loading from 6-10-0 to 18-10-0: Live Load:
40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF,
Kneewalls: 10 PSF

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

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

Additional Notes
The overall height of this truss excluding overhang is 11-3-12.

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - P	1910	-182	M - L	1929	-193
P - O	1924	-181	L - K	1929	-193
O - N	1924	-181	K - J	1916	-195
N - M	1581	-38			

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.		Tens. Comp.
P - C	145	-408	506 - 2340
C - N	229	-609	1475 - 103
D - N	1479	-99	249 - 619
E - Q	506	-2340	186 - 417
F - Q	429	-80	



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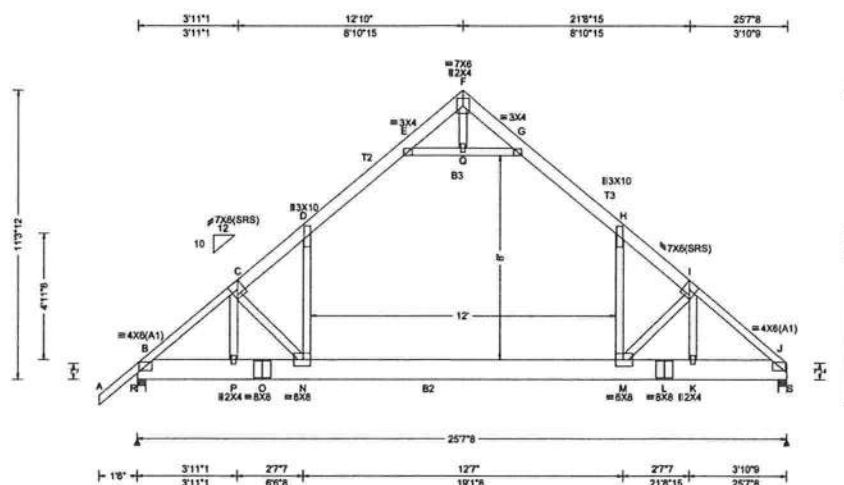
For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org



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SEQN: 372432 FROM: CDM	ATIC Qty: 1	Ply: 3 Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A03	Cust: R 215 JRef: 1WYY2150002 T33 DrwNo: 268.20.0923.37437 / YK 09/24/2020
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3 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.303 N 999 360	R	6137	/-	/-	/2257	/-	/1093
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.587 M 518 240	S	5802	/-	/-	/1961	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.227 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.444 D - -	R	Brg Width = 4.0		Min Req = 2.4			
NCBCLL: 10.00	Mean Height: 0.00 ft		Creep Factor: 2.0	S	Brg Width = 4.0		Min Req = 2.3			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.874	Bearings R & S are a rigid surface.						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.487	Members not listed have forces less than 375#						
Spacing: 72.0 "	MWFRS Parallel Dist: > 2h		Max Web CSI: 0.642	Maximum Top Chord Forces Per Ply (lbs)						
	C&C Dist a: 3.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	Loc. from endwall: not in 13.00 ft		VIEW Ver: 20.01.00A.0415.10	B - C	235 -2534		F - G	466		-57
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber
Top chord: 2x4 SP #2; T2,T3 2x6 SP 2400f-2.0E;
Bot chord: 2x10 SP #2; B2 2x10 SP 2400f-2.0E;
B3 2x4 SP #2;
Webs: 2x4 SP #3;

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 4.00" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Loading
Attic room loading from 6-10-0 to 18-10-0: Live Load:
40 PSF. Dead Load: 10 PSF Ceiling: 10 PSF,
Kneewalls: 10 PSF

Purlins
In lieu of structural panels use purlins to brace TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc.

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

Additional Notes
The overall height of this truss excluding overhang is 11-3-12.



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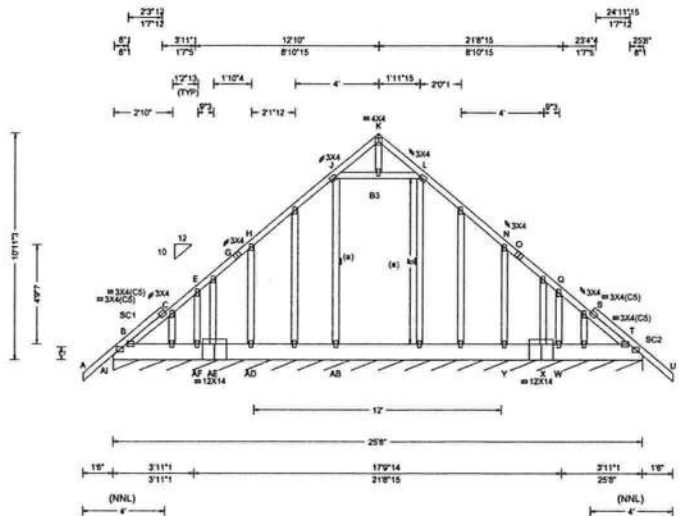
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.		Tens. Comp.
B - P	1910	-129	M - L 1929 -137
P - O	1924	-121	L - K 1929 -137
O - N	1924	-121	K - J 1916 -138
N - M	1581	-29	

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.		Tens. Comp.
P - C	146	-408	Q - G 384 -2340
C - N	170	-609	M - H 1475 -83
D - N	1479	-61	M - I 200 -619
E - Q	384	-2340	I - K 186 -417
F - Q	429	-61	

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SEQN: 372359 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A04	Cust: R 215 JRef: 1WYY2150002 T48 DrwNo: 268.20.0923.40763 / YK 09/24/2020
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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: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.003 K 999 360 VERT(CL): 0.007 K 999 240 HORZ(LL): 0.001 Q - - HORZ(TL): 0.002 Q - - Creep Factor: 2.0 Max TC CSI: 0.315 Max BC CSI: 0.070 Max Web CSI: 0.170 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AI* 159 /- /- /60 /- /3 Wind reactions based on MWFRS AI Brg Width = 308 Min Req = - Bearing AI is a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. AE-AD 392 -37 Y - X 383 -37 AD-AB 391 -38 X - W 382 -37 AB- Y 386 -39 W - T 383 -38

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x10 SP #2; B3 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.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.
Attic room loading from 6-10-0 to 18-10-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls: 10 PSF

Purlins

In lieu of structural panels use purlins to brace TC @ 24" oc.
Collar-tie braced with continuous lateral bracing at 24" oc. or rigid ceiling.

Wind

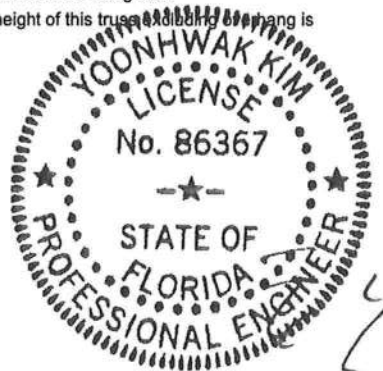
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

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

The overall height of this truss including overhang is 10-11-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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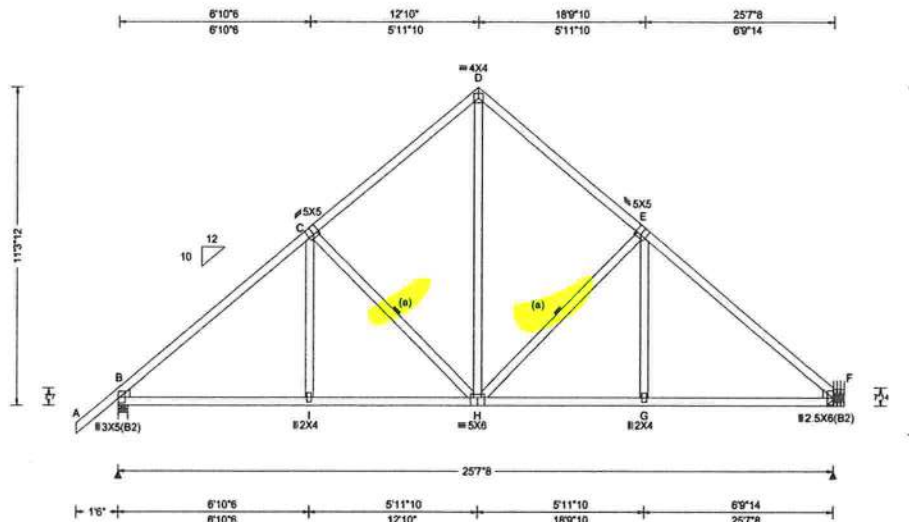
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SEQN: 372380 FROM: CDM	SPEC Qty: 5	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A05	Cust: R 215 JRef: 1WYY2150002 T55 DrwNo: 268.20.0923.43073 / YK 09/24/2020
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Loading Criteria (psf)	Wind 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: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.054 H 999 360 VERT(CL): 0.099 H 999 240 HORZ(LL): 0.022 C - - HORZ(TL): 0.041 C - - Creep Factor: 2.0 Max TC CSI: 0.581 Max BC CSI: 0.247 Max Web CSI: 0.608 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1394 /- /- /750 /- /366 F 1278 /- /- /650 /- /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F 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 264 -1639 D - E 319 -1131 C - D 311 -1130 E - F 280 -1644

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

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

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 11'-3"-12."



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09/24/2020

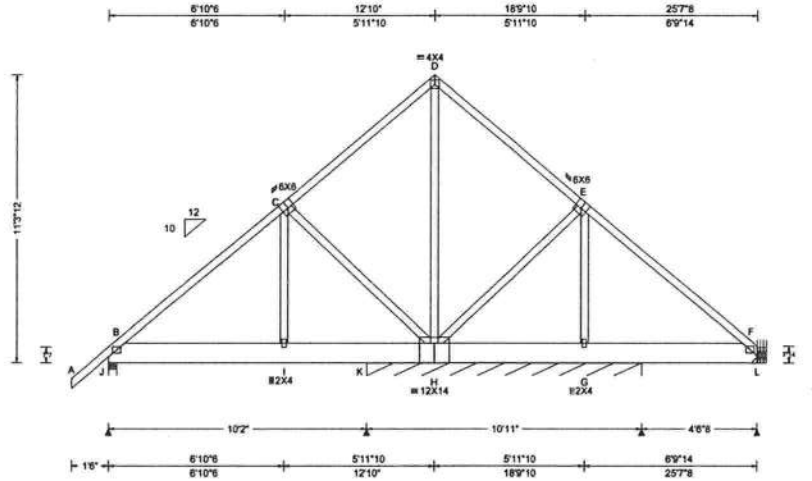
Maximum Bot Chord Forces Per Ply (lbs)	Maximum Web Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.	Webs Tens.Comp. Webs Tens. Comp.
B - I 1142 -118 H - G 1148 -100 I - H 1139 -118 G - F 1150 -100	C - H 197 -532 H - E 203 -544 D - H 908 -263

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SEQN: 372377 FROM: CDM Page 1 of 2	SPEC Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A06	Cust: R 215 JRef: 1WYY2150002 T56 DrwNo: 268.20.0923.50123 / YK 09/24/2020
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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), or * = PLF
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 72.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 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 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.007 I 999 360 VERT(CL): 0.015 I 999 240 HORZ(LL): -0.005 G - - HORZ(TL): 0.010 G - - Creep Factor: 2.0 Max TC CSI: 0.908 Max BC CSI: 0.228 Max Web CSI: 0.445 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL J 1926 /- /- /1191 /- /1097 K* 377 /- /- /224 /9 /- L 900 /- /- /463 /- /- Wind reactions based on MWFRS J Brg Width = 4.0 Min Req = 1.5 K Brg Width = 131 Min Req = - L Brg Width = - Min Req = - Bearings J & 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.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x10 SP #2;
Webs: 2x4 SP #3;

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

Plating Notes
All plates are 3X4(A1) except as noted.

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

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

Additional Notes
The overall height of this truss excluding overhang is 11-3-12.

B - C 96 - 771 E - F 69 - 402

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - I 592 - 273 I - H 1180 - 546

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
C - H 317 - 634 E - G 101 - 379
D - H 0 - 469



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SEQN: 372377 FROM: CDM Page 2 of 2	SPEC Ply: 2 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A06	Cust: R 215 JRef: 1WYY2150002 T56 DrwNo: 268.20.0923.50123 / YK 09/24/2020
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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 connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.

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

Bearing at location x=25'4"8 uses the following support conditions: 25'4"8

Bearing L (25'4"8, 9'1"2) HGUS26-2

Supporting Member: (3)2x8 SP 2400f-2.0E

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

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



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09/24/2020

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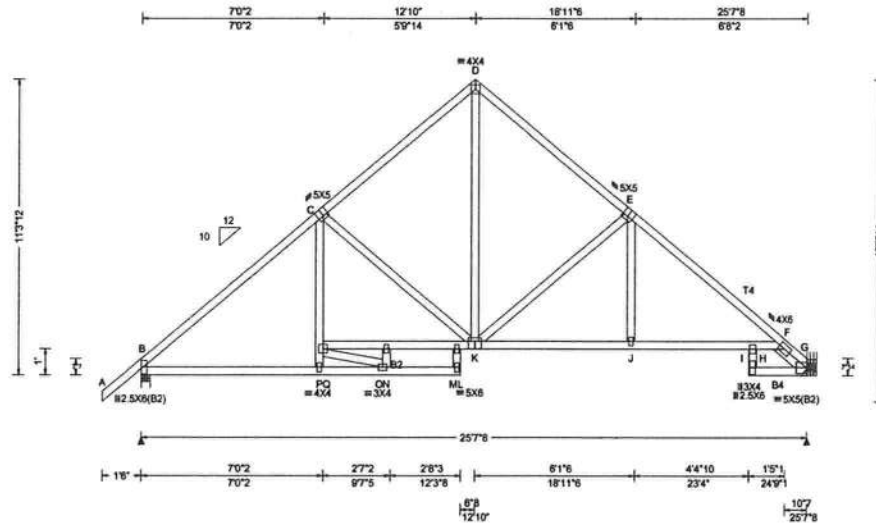
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SEQN: 372409 FROM: CDM	SPEC Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A07	Cust: R 215 JRef: 1WYY2150002 T53 DrwNo: 268.20.0924.04757 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.160 I 999 360 VERT(CL): 0.332 I 919 240 HORZ(LL): 0.165 I - - HORZ(TL): 0.352 I - - Creep Factor: 2.0 Max TC CSI: 0.621 Max BC CSI: 0.716 Max Web CSI: 0.667 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1208 - /- /- /747 /181 /366 G 1103 - /- /- /653 /155 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G 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 264 -1397 E - F 298 -1566 C - D 305 -1071 F - G 1841 -2568 D - E 312 -1082

Lumber
Top chord: 2x4 SP #2; T4 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B2, B4 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.456'

Plating Notes
All plates are 2X4 except as noted.

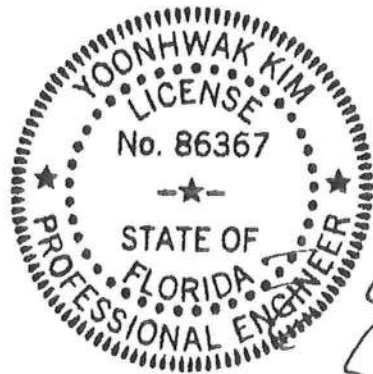
Hangers / Tiles
(J) Hanger Support Required, by others

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

Additional Notes
The overall height of this truss excluding overhang is 11'-3-12".
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - Q 957 -120 M - K 974 -122
P - N 888 -114 K - J 1159 -115
Q - O 853 -112 J - H 1161 -115
N - M 904 -115 H - F 1039 -81

Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
P - O 110 -815 K - E 212 -578
D - K 853 -253

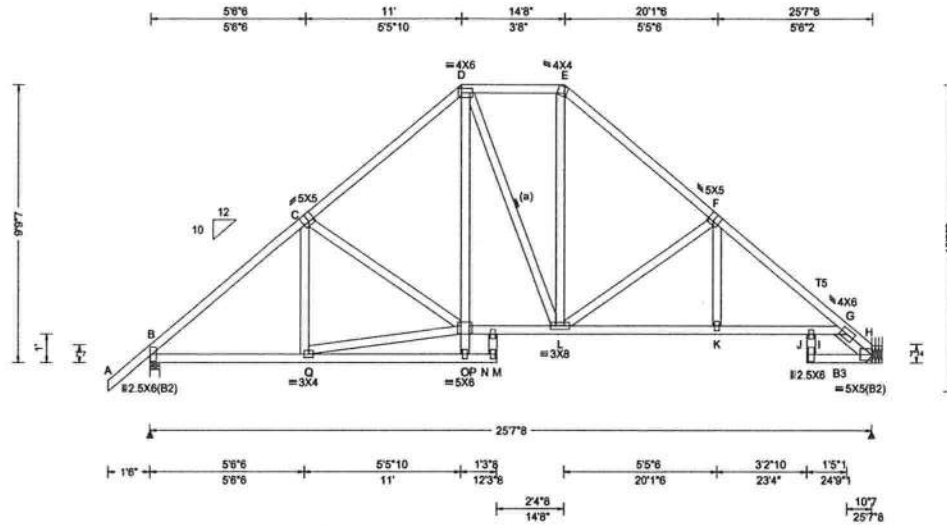


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SEQN: 372412 FROM: CDM	HIPS Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A08	Cust: R 215 JRef: 1WYY2150002 T62 DrwNo: 268.20.0924.09150 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.113 J 999 360 VERT(CL): 0.242 J 999 240 HORZ(LL): 0.116 J - - HORZ(TL): 0.248 J - - Creep Factor: 2.0 Max TC CSI: 0.512 Max BC CSI: 0.610 Max Web CSI: 0.508 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1208 - / - /751 /188 /322 H 1103 - / - /655 /161 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H 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 293 -1407 E - F 343 -1185 C - D 333 -1191 F - G 351 -1666 D - E 309 -812 G - H 1583 -2279

Lumber
Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.456'

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

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
The overall height of this truss excluding overhang is 9-9-7.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - Q	983 -144	L - K	1271 -182
O - N	808 -55	K - I	1274 -182
N - L	831 -56	I - G	1169 -158

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
Q - O	971 -143	L - E	427 -117
D - O	435 -100	L - F	204 -573

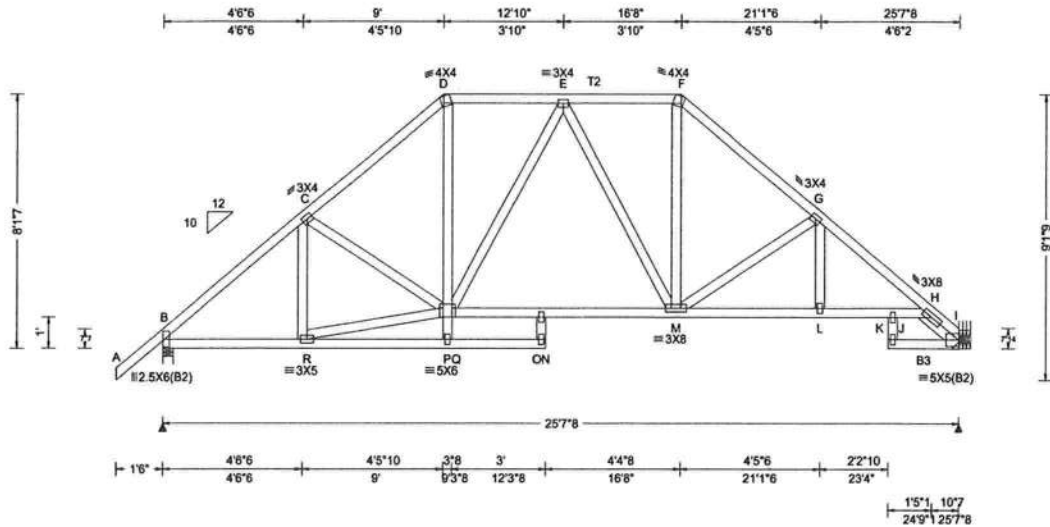


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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ALPINE
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SEQN: 372415 FROM: CDM	HIPS Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A09	Cust: R 215 JRef: 1WYY2150002 T52 DrwNo: 268.20.0924.13790 / YK 09/24/2020
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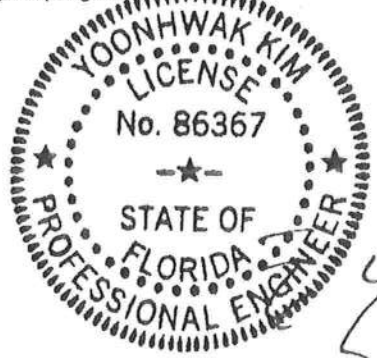
Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: 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 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.091 K 999 360 VERT(CL): 0.175 N 999 240 HORZ(LL): 0.101 K - - HORZ(TL): 0.215 K - - Creep Factor: 2.0 Max TC CSI: 0.531 Max BC CSI: 0.530 Max Web CSI: 0.382 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1208 /- /- /746 /194 /272 I 1103 /- /- /650 /167 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 I 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 312 -1414 F - G 369 -1331 C - D 358 -1341 G - H 389 -1746 D - E 328 -971 H - I 1410 -2082 E - F 321 -944

Lumber
Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x4 SP M-31; B3 2x4 SP #2;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.456'

Plating Notes
All plates are 2X4 except as noted.

Hangers / Ties
Simpson Construction Hardware is specified based on the most current information provided by Simpson Strong-Tie. Please refer to the most recent Simpson Strong-Tie catalog for additional information.
Recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information. Additional connection required to evenly distribute hanger reaction throughout all plies of supporting girder.
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.
Bearing at location x=25'4"8 uses the following support conditions: 25'4"8
Bearing I (25'4"8, 9'1"2) HUS26
Supporting Member: (3)2x8 SP 2400F-2.0E
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Wind
Wind loads based on MWFRS with additional C&C member design.
Additional Notes
The overall height of this truss excluding overhang is 8-1-7.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at this point).



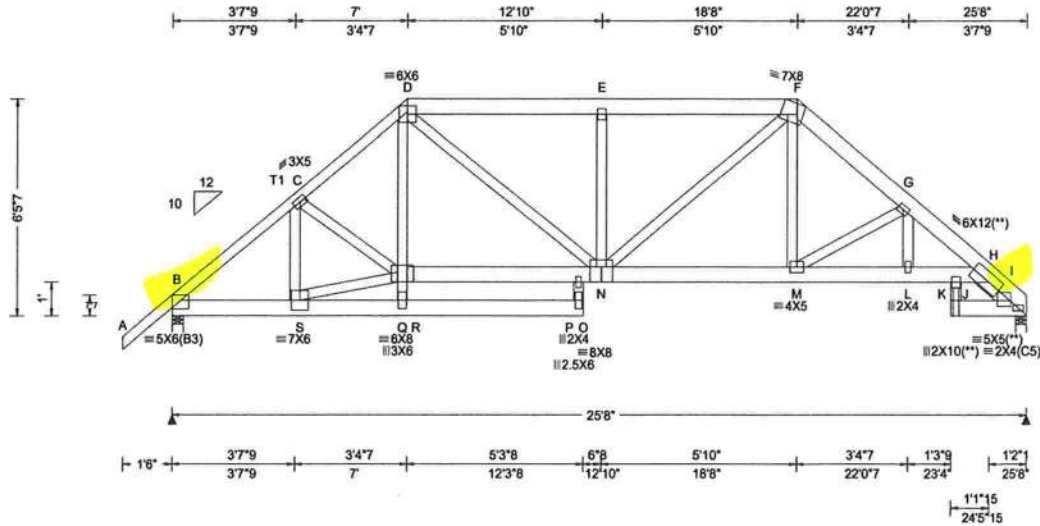
FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens.Comp. Chords Tens. Comp.
B - R 994 -171 M - L 1365 -232 P - O 1017 -103 L - J 1368 -232 O - M 1023 -107 J - H 1277 -211
Maximum Web Forces Per Ply (lbs)
Webs Tens.Comp. Webs Tens. Comp.
R - P 1003 -168 M - F 541 -131 D - P 517 -117 M - G 188 -526

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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372427 FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: A10	Cust: R 215 JRef: 1WYY2150002 T27 DrwNo: 268.20.0924.20143 / YK 09/24/2020
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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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.115 E 999 360 VERT(CL): 0.235 E 999 240 HORZ(LL): 0.101 K - - HORZ(TL): 0.206 K - - Creep Factor: 2.0 Max TC CSI: 0.591 Max BC CSI: 0.469 Max Web CSI: 0.973 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2718 -/-/-/- /727 -/ I 2675 -/-/-/- /707 -/ Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 2.3 I Brg Width = 4.0 Min Req = 2.2 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 945 -3443 F - G 1203 -4323 C - D 1180 -4229 G - H 1320 -4825 D - E 1170 -4126 H - I 663 -2421 E - F 1171 -4128

Lumber
Top chord: 2x6 SP 2400f-2.0E; T1 2x4 SP M-31;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.196'

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at -1.50 to 66 plf at 7.00
TC: From 33 plf at 7.00 to 33 plf at 11.06
TC: From 66 plf at 11.06 to 66 plf at 25.67
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 12.29
BC: From 20 plf at 12.29 to 20 plf at 25.67
TC: 306 lb Conc. Load at 7.03
TC: 206 lb Conc. Load at 9.06,11.06
TC: 201 lb Conc. Load at 12.83,14.60,16.60
TC: 244 lb Conc. Load at 18.64
BC: 497 lb Conc. Load at 7.03
BC: 136 lb Conc. Load at 9.06,11.06
BC: 132 lb Conc. Load at 12.83,14.60,16.60
BC: 534 lb Conc. Load at 18.64

Plating Notes

All plates are 3X4 except as noted.
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 6'-5-7.
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - S	2529 -690	M - L	3921 -1067
Q - P	3202 -890	L - J	3920 -1067
P - N	3219 -901	J - H	3913 -1064
N - M	3283 -916		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	344 -1121	E - N	490 -1033
C - Q	951 -270	N - F	1124 -333
S - Q	2555 -693	F - M	1246 -213
Q - R	817 -104	M - G	179 -753
Q - D	1175 -191	K - J	494 -122
D - N	1260 -354		



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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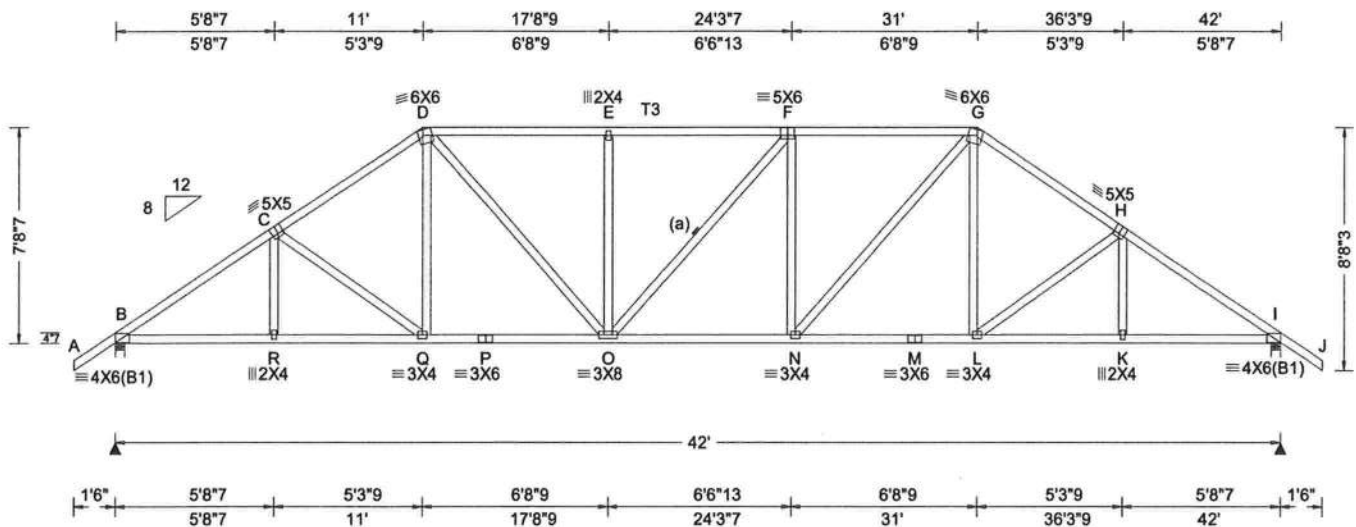
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372497 FROM: CDM	HIPS Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: B01	Cust: R 215 JRef: 1WYY2150002 T3 DrwNo: 268.20.0924.24113 / YK 09/24/2020
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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: 4.20 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 Building 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/def L/# VERT(LL): 0.140 E 999 360 VERT(CL): 0.290 E 999 240 HORZ(LL): 0.053 K - - HORZ(TL): 0.109 K - - Creep Factor: 2.0 Max TC CSI: 0.532 Max BC CSI: 0.331 Max Web CSI: 0.453 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1868 - / - / - /1114 /323 /271 I 1868 - / - / - /1114 /323 - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.5 Bearings B & I are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 645 -2738 F - G 705 -2419 C - D 647 -2400 G - H 647 -2400 D - E 709 -2432 H - I 644 -2737 E - F 709 -2431

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 7'-8-7.



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Chords	Tens.Comp.	Chords	Tens. Comp.
B - R	2188 -402	N - M	1924 -318
R - Q	2187 -403	M - L	1924 -318
Q - P	1923 -308	L - K	2187 -432
P - O	1923 -308	K - I	2188 -432
O - N	2435 -440		

Webs	Tens.Comp.	Webs	Tens. Comp.
D - Q	405 -69	F - N	166 -425
D - O	757 -196	N - G	745 -192
E - O	170 -422	G - L	401 -69

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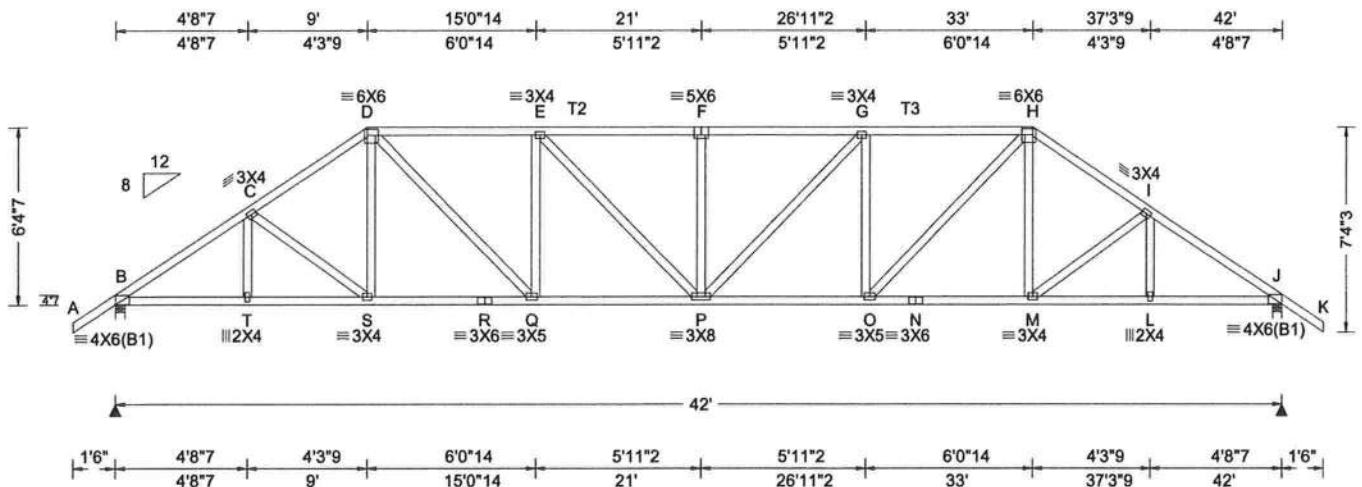
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SEQN: 372494 FROM: CDM	HIPS Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: B02	Cust: R 215 JRef: 1WYY2150002 T2 DrwNo: 268.20.0924.26740 / YK 09/24/2020
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Loading Criteria (psf)	Wind 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: 4.20 ft Loc. from endwall: not in 6.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.181 F 999 360 VERT(CL): 0.376 F 999 240 HORZ(LL): 0.056 L - - HORZ(TL): 0.117 L - - Creep Factor: 2.0 Max TC CSI: 0.469 Max BC CSI: 0.336 Max Web CSI: 0.455 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1868 - /- /- /1094 /327 /232 J 1868 - /- /- /1094 /327 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 J Brg Width = 4.0 Min Req = 1.5 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 662 -2745 F - G 838 -3022 C - D 671 -2509 G - H 778 -2768 D - E 778 -2768 H - I 670 -2509 E - F 838 -3022 I - J 662 -2745

Lumber

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

Wind

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

Additional Notes

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



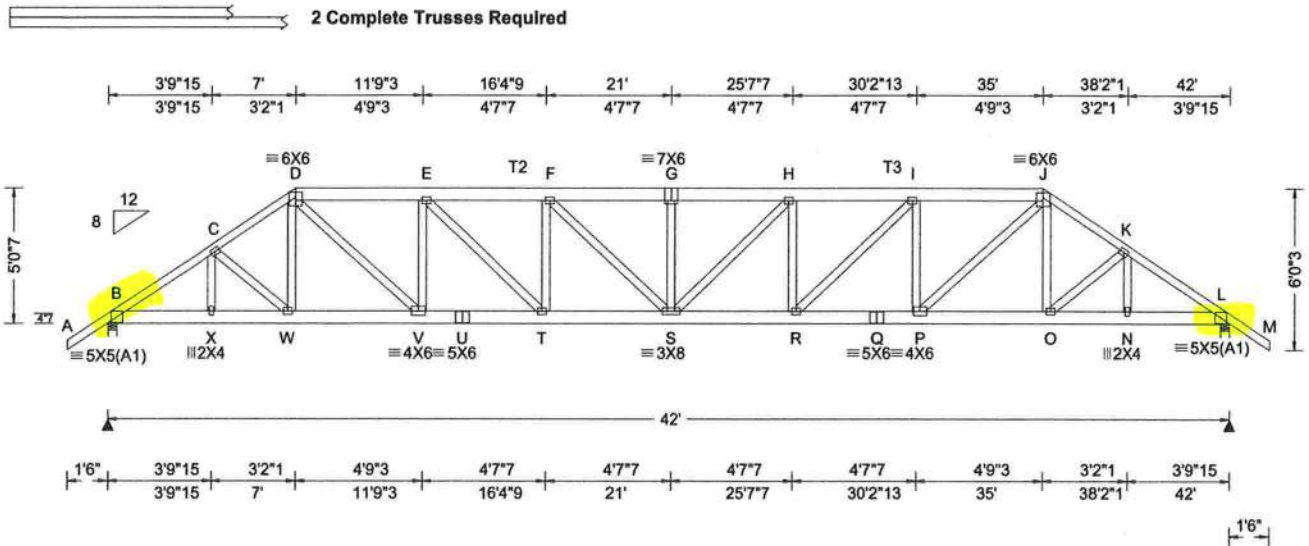
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Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2199 -427	P - O	2798 -557
T - S	2199 -428	O - N	2035 -371
S - R	2035 -363	N - M	2035 -371
R - Q	2035 -363	M - L	2199 -458
Q - P	2798 -559	L - J	2199 -457

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
D - Q	1049 -266	G - O	212 -631
Q - E	212 -631	O - H	1049 -266

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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: 0 to h/2 C&C Dist a: 4.20 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 Building 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/H VERT(LL): 0.216 G 999 360 VERT(CL): 0.437 G 999 240 HORZ(LL): 0.052 N - - HORZ(TL): 0.105 N - - Creep Factor: 2.0 Max TC CSI: 0.308 Max BC CSI: 0.292 Max Web CSI: 0.657 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 4120 /- /- /- /979 /- L 4120 /- /- /- /979 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.7 L Brg Width = 4.0 Min Req = 1.7 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				B - C 786 -3298 G - H 1198 -4973 C - D 806 -3352 H - I 1134 -4710 D - E 960 -3989 I - J 960 -3989 E - F 1134 -4710 J - K 806 -3352 F - G 1198 -4973 K - L 786 -3298

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

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

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 35.00
TC: From 64 plf at 35.00 to 64 plf at 43.50
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 34.97
BC: From 20 plf at 34.97 to 20 plf at 42.00
BC: From 5 plf at 42.00 to 5 plf at 43.50
TC: 274 lb Conc. Load at 7.03,34.97
TC: 193 lb Conc. Load at 9.06,11.06,13.06,15.06,17.06,19.06,21.00,22.94,24.94,26.94,28.94,30.94,32.94
BC: 465 lb Conc. Load at 7.03,34.97
BC: 131 lb Conc. Load at 9.06,11.06,13.06,15.06,17.06,19.06,21.00,22.94,24.94,26.94,28.94,30.94,32.94

Plating Notes
All plates are 3X4 except as noted.

Wind
Wind loads and reactions based on MWFRS.

Additional Notes
The overall height of this truss excluding overhang is 5-0-7.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - X	2711 -643	S - R	4744 -1145
X - W	2715 -645	R - Q	4053 -979
W - V	2768 -666	Q - P	4053 -979
V - U	4053 -979	P - O	2768 -666
U - T	4053 -979	O - N	2715 -645
T - S	4744 -1145	N - L	2711 -643

Maximum Web Forces Per Ply (lbs)

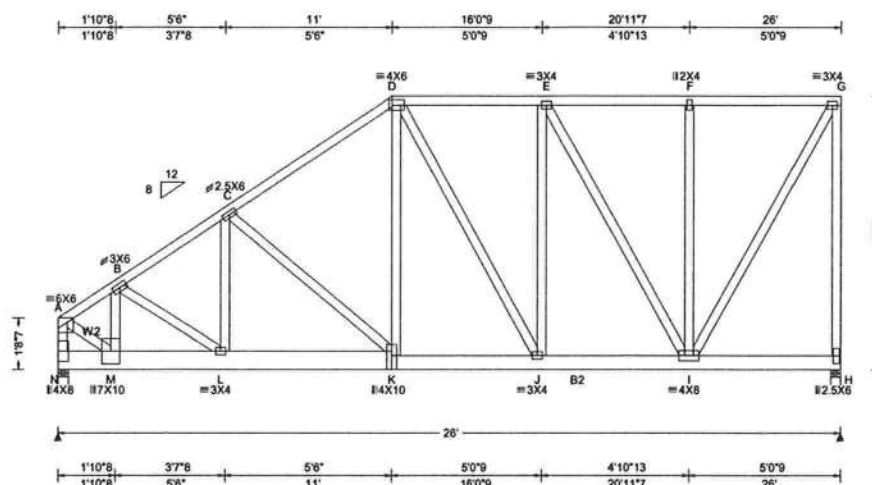
Webs	Tens.Comp.	Webs	Tens. Comp.
D - V	1724 -414	H - R	178 -528
V - E	306 -1028	R - I	957 -225
E - T	957 -225	I - P	306 -1028
T - F	178 -528	P - J	1724 -414



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09/24/2020

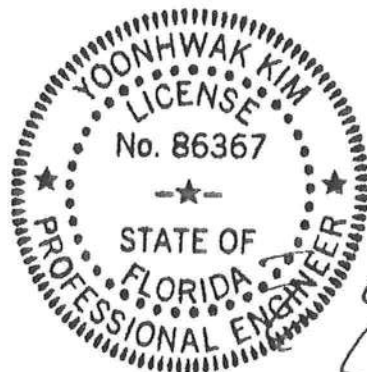
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Cust: R 215 JRef:1WYY2150002 T26
DrwNo: 268.20.0924.40063
/ YK 09/24/2020



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): 0.031 L 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.063 L 999 240	N 6396 /- /- /- /348 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 B - -	H 1505 /- /- /- /187 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.030 B - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	N Brg Width = 4.0 Min Req = 3.8
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.087	H Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TP1 Dist: 2014	Max BC CSI: 0.712	Bearings N & H are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.615	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: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpl: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10	A - B 148 -2700 D - E 71 -637
	Wind Duration: 1.60			

The overall height of this truss excluding overhang is 9-0-7.



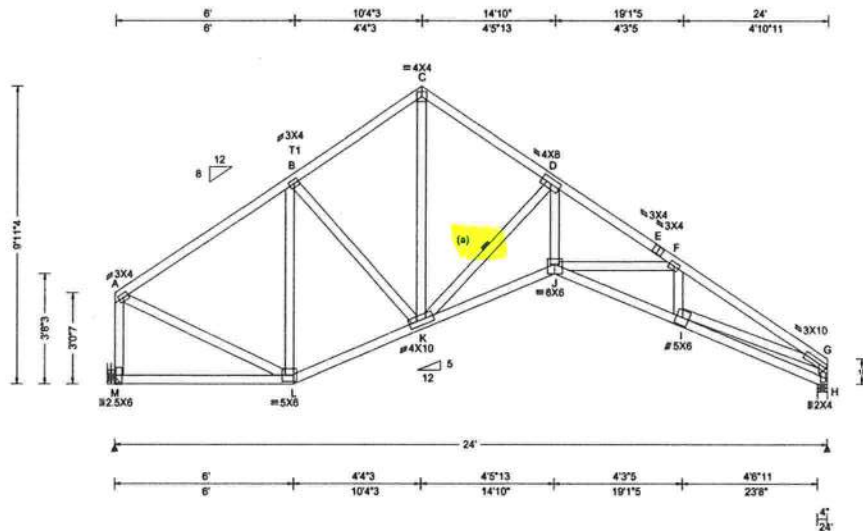
FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

For more information see 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: 372469 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: B05	Cust: R 215 JRef: 1WYY2150002 T20 DrwNo: 268.20.0924.43237 / YK 09/24/2020
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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: 3.00 ft Loc. from endwall: not in 9.00 ft GCp: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.136 J 999 360 VERT(CL): 0.290 J 993 240 HORZ(LL): 0.110 H - - HORZ(TL): 0.234 H - - Creep Factor: 2.0 Max TC CSI: 0.587 Max BC CSI: 0.616 Max Web CSI: 0.832 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL M 1020 /- /- /564 /3 /233 H 1027 /- /- /610 /- /- Wind reactions based on MWFRS M Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.5 Bearing H 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.

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

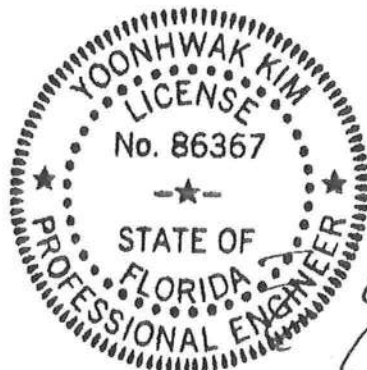
The overall height of this truss excluding overhang is 9-11-4.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
L - K	796 -89	J - I	2408 -319
K - J	2141 -144		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
A - M	216 -965	K - D	250 -1735
A - L	777 -113	D - J	1829 -158
B - L	82 -506	I - G	2185 -283
C - K	794 -203	G - H	209 -1009



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09/24/2020

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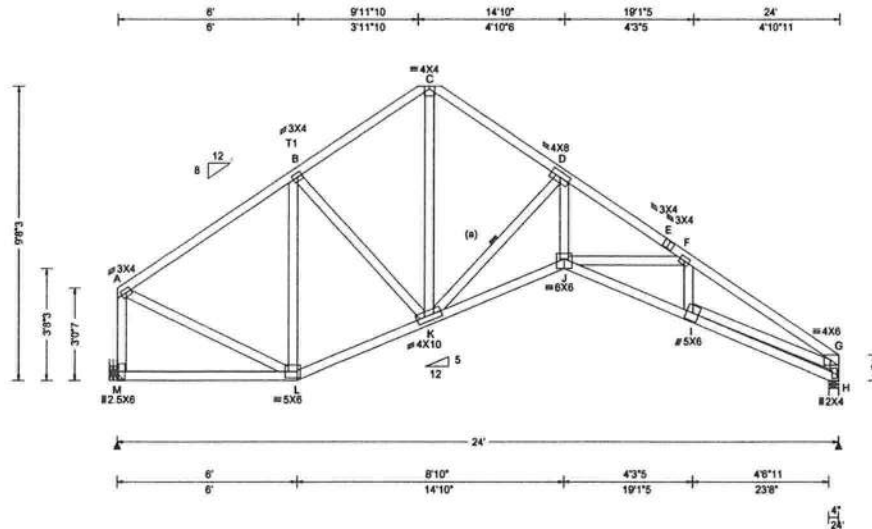
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372466 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: B06	Cust: R 215 JRef: 1WYY2150002 T19 DrwNo: 268.20.0924.46120 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 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 Building 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): 0.136 J 999 360 VERT(CL): 0.289 J 995 240 HORZ(LL): 0.110 H - - HORZ(TL): 0.234 H - - Creep Factor: 2.0 Max TC CSI: 0.587 Max BC CSI: 0.616 Max Web CSI: 0.832 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL M 1020 /- /- /566 /- /227 H 1027 /- /- /612 /- /- Wind reactions based on MWFRS M Brg Width = - Min Req = - H Brg Width = 4.0 Min Req = 1.5 Bearing H 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.

Lumber

Top chord: 2x4 SP #2; T1 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

The overall height of this truss excluding overhang is 9'-8.3.

Maximum Bot Chord Forces Per Ply (lbs)

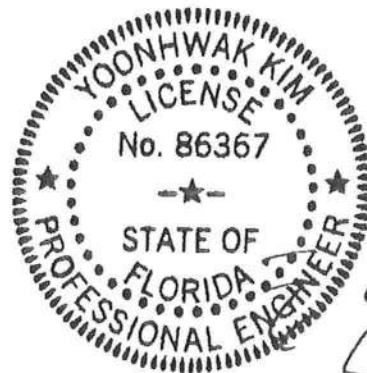
Chords Tens.Comp. Chords Tens. Comp.

L - K 796 -84 J - I 2408 -298
K - J 2141 -123

Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

A - M 207 -965 K - D 237 -1724
A - L 777 -104 D - J 1829 -142
B - L 75 -506 I - G 2185 -264
C - K 777 -200 G - H 202 -1009



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09/24/2020

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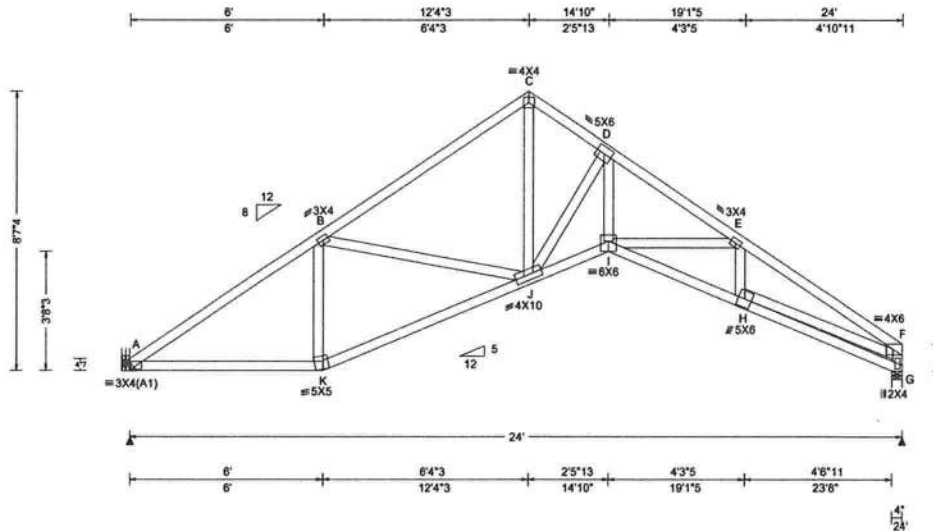
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372463 FROM: CDM	COMN Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: B07	Cust: R 215 JRef: 1WYY2150002 T13 DrwNo: 268.20.0924.48817 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 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 Building 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/def L/# VERT(LL): 0.120 I 999 360 VERT(CL): 0.255 I 999 240 HORZ(LL): 0.100 G - - HORZ(TL): 0.212 G - - Creep Factor: 2.0 Max TC CSI: 0.212 Max BC CSI: 0.634 Max Web CSI: 0.834 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 1025 /- /- /609 /- /224 G 1022 /- /- /592 /- /- Wind reactions based on MWFRS A Brg Width = - Min Req = - G Brg Width = 4.0 Min Req = 1.5 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 303 -1513 D - E 380 -2440 B - C 288 -1467 E - F 461 -2712 C - D 306 -1368

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 8'-7-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

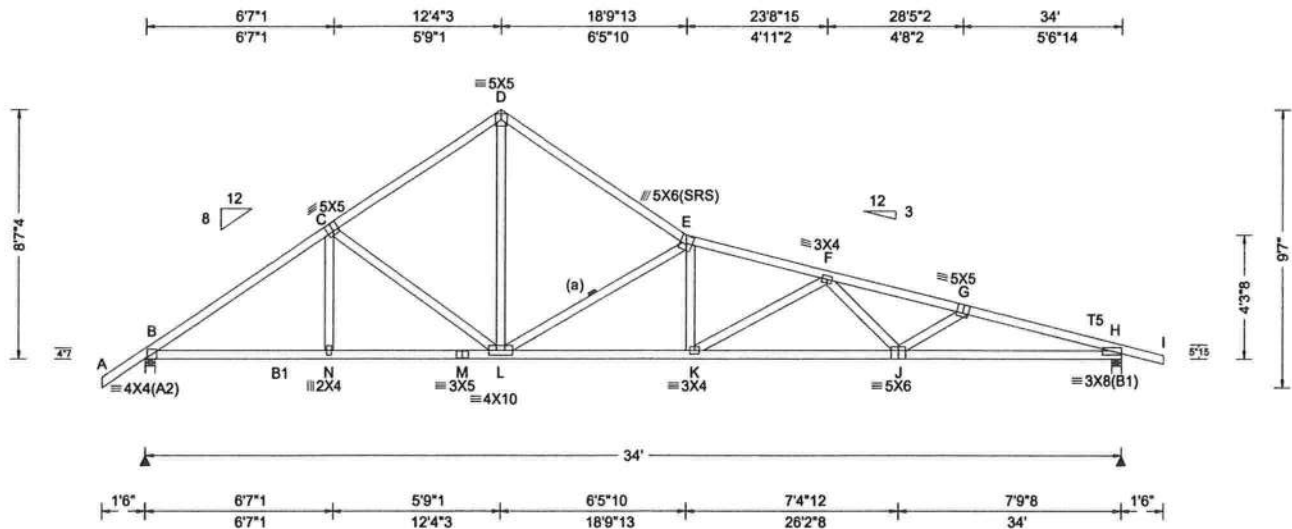
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - K	1186 -185	J - I	2074 -142
K - J	1305 -202	I - H	2399 -337

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	1163 -212	H - F	2191 -306
J - D	213 -1539	F - G	212 -1001
D - I	1757 -174		

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Orlando FL, 32821

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SEQN: 372457 FROM: CDM	COMN Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: C01	Cust: R 215 JRef: 1WYY2150002 T16 DrwNo: 268.20.0924.51960 / YK 09/24/2020
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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: 3.40 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.268 F 999 360 VERT(CL): 0.544 F 744 240 HORZ(LL): 0.101 D - - HORZ(TL): 0.205 D - - Creep Factor: 2.0 Max TC CSI: 0.637 Max BC CSI: 0.690 Max Web CSI: 0.625 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1520 /- /- /894 /29 /254 H 1483 /- /- /777 /144 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.8 H Brg Width = 4.0 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 454 -2126 E - F 739 -3100 C - D 460 -1705 F - G 857 -3805 D - E 443 -1713 G - H 901 -3998

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Additional Notes

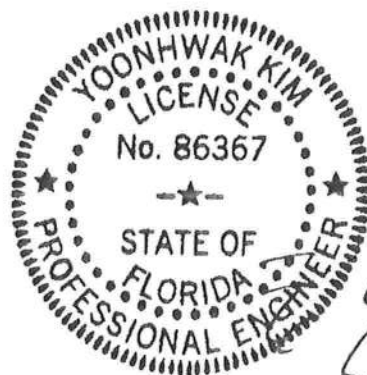
The overall height of this truss excluding overhang is 8'-7-4."

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - N	1674 -256	L - K	2939 -597
N - M	1672 -256	K - J	3518 -754
M - L	1672 -256	J - H	3815 -828

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - L	160 -421	E - K	515 -73
D - L	1368 -342	K - F	176 -630
L - E	531 -1883		



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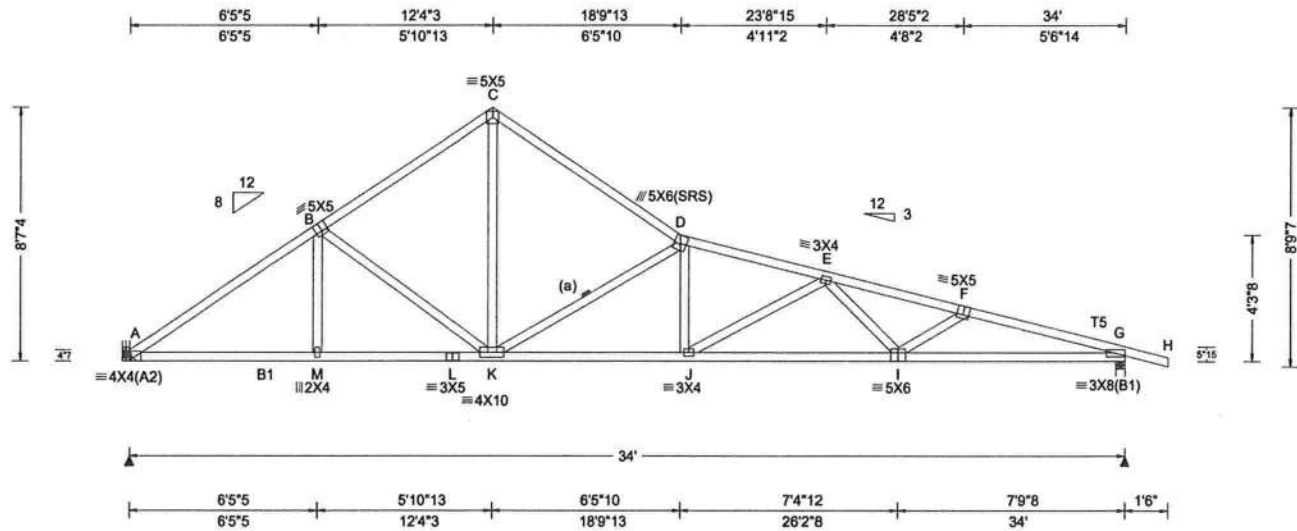
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372460 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: C02	Cust: R 215 JRef: 1WY2150002 T18 DrwNo: 268.20.0924.55287 / YK 09/24/2020
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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: > 2h C&C Dist a: 3.40 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.266 E 999 360 VERT(CL): 0.545 E 743 240 HORZ(LL): 0.101 C - - HORZ(TL): 0.206 C - - Creep Factor: 2.0 Max TC CSI: 0.640 Max BC CSI: 0.692 Max Web CSI: 0.628 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1413 - / - / - / 803 / 18 / 219 G 1487 - / - / - / 777 / 144 / - Wind reactions based on MWFRS A Brg Width = - Min Req = - G Brg Width = 4.0 Min Req = 1.5 Bearing G is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 487 -2155 D - E 756 -3114 B - C 474 -1717 E - F 872 -3818 C - D 453 -1724 F - G 915 -4010

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

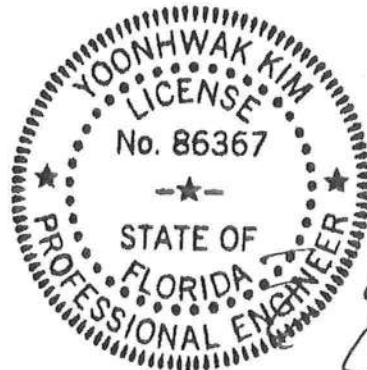
(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 8-7-4.



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09/24/2020

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - M	1704 -291	K - J	2954 -614
M - L	1702 -291	J - I	3531 -770
L - K	1702 -291	I - G	3827 -842

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - K	171 -448	D - J	515 -73
C - K	1384 -361	J - E	175 -629
K - D	539 -1890		

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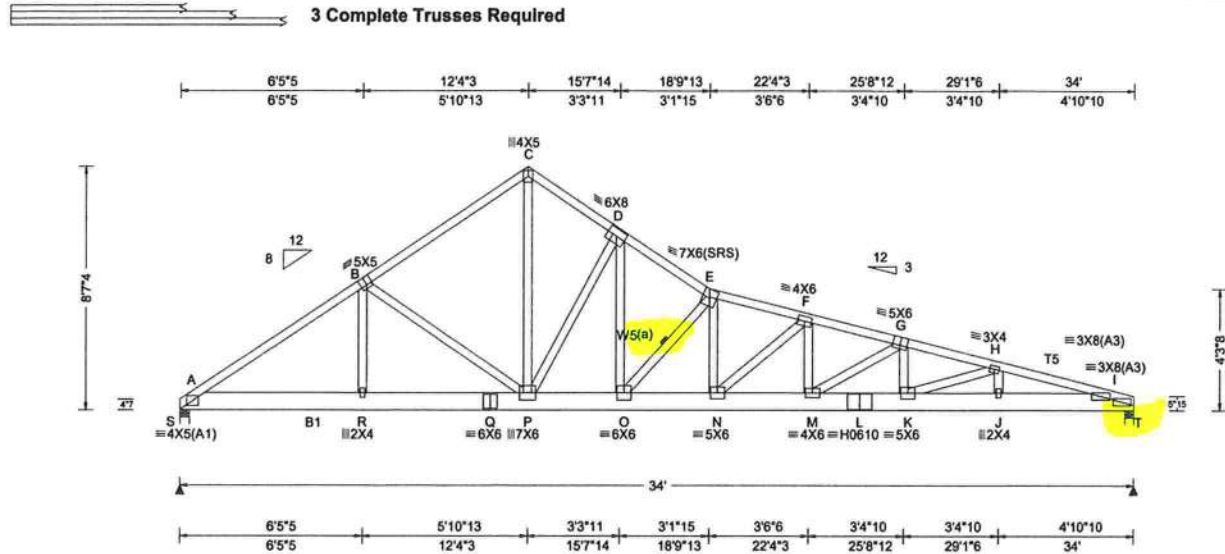
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372444 FROM: CDM	COMN Ply: 3 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: C03	Cust: R 215 JRef: 1WYY2150002 T54 DrwNo: 268.20.0925.51010 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	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): 0.401 M 999 360	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.797 M 507 240	S	4179	-/-	-/-	-/-	1247	-/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.140 C - -	T	9055	-/-	-/-	-/-	1695	-/-
	EXP: C Kzt: NA		HORZ(TL): 0.278 C - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	Creep Factor: 2.0	S	Brg Width = 4.0		Min Req = 1.6			
NCBCLL: 0.00	TCDL: 5.0 psf		Max TC CSI: 0.629	T	Brg Width = 4.0		Min Req = 2.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.615	Bearings S & T are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.896	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.40 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.	Chords	Tens. Comp.			
	GCpi: 0.18			A - B	136	-2367	E - F	218	-5614	
	Wind Duration: 1.60		VIEW Ver: 20.01.00A.0415.10	B - C	113	-2259	F - G	294	-7119	
				C - D	105	-2235	G - H	397	-8482	
				D - E	155	-3742	H - I	534	-8757	

Lumber
Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x8 SP 2400f-2.0E; B1 2x8 SP #2;
Webs: 2x4 SP #3; W5 2x4 SP #2;

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

Nailnote
Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 1 Row @ 4.75" o.c.
Webs: 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at 0.00 to 64 plf at 18.82
TC: From 61 plf at 18.82 to 61 plf at 34.00
BC: From 20 plf at 0.00 to 20 plf at 17.06
BC: From 10 plf at 17.06 to 10 plf at 34.00
BC: 900 lb Conc. Load at 17.06
BC: 1278 lb Conc. Load at 18.94, 20.94, 22.94, 24.94, 26.94
BC: 1103 lb Conc. Load at 28.94, 30.94, 32.94

Wind
Wind loads and reactions based on MWFRS.

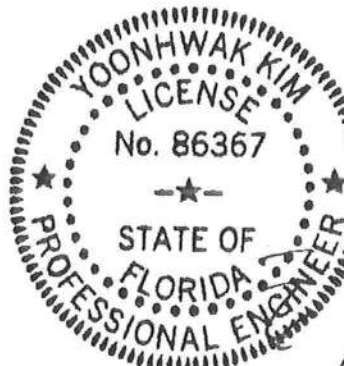
Additional Notes
The overall height of this truss excluding overhang is 8'-7 1/4".

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - R	1943 -104	N - M	6764 -277
R - Q	1943 -104	M - L	8102 -375
Q - P	1943 -104	L - K	8102 -375
P - O	3003 -121	K - J	8471 -510
O - N	5291 -205	J - I	8484 -515

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - P	2351 -74	N - F	95 -1825
P - D	79 -2408	F - M	1577 -55
D - O	2888 -74	M - G	113 -1457
O - E	131 -3530	G - K	1064 -60
E - N	1996 -46		

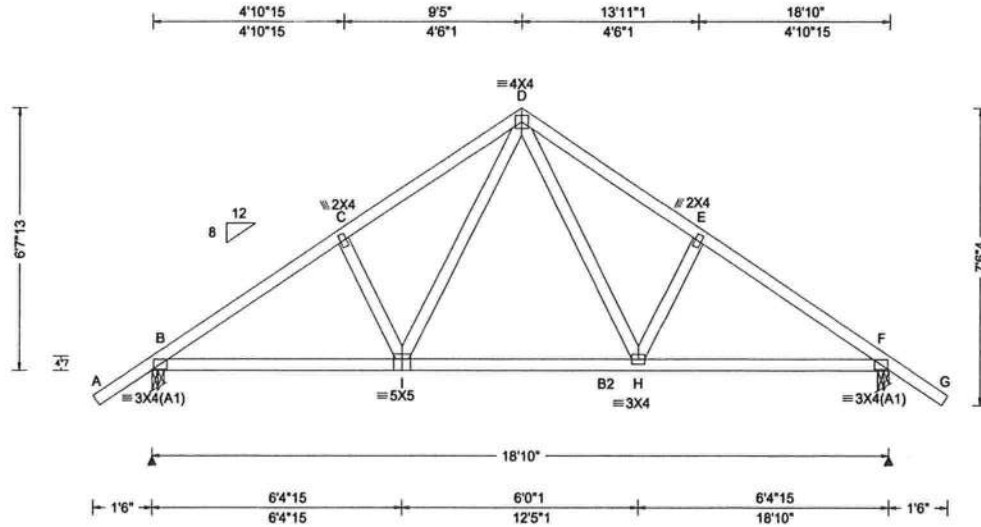


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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ALPINE
AN ITW COMPANY
6750 Forum Drive
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Orlando FL, 32821

SEQN: 372538 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: D01	Cust: R 215 JRef: 1WYY2150002 T1 DrwNo: 268.20.0925.55180 / YK 09/24/2020
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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: Part. Enc. 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: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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/def L/# VERT(LL): 0.020 I 999 360 VERT(CL): 0.041 I 999 240 HORZ(LL): 0.009 H - - HORZ(TL): 0.018 H - - Creep Factor: 2.0 Max TC CSI: 0.087 Max BC CSI: 0.446 Max Web CSI: 0.227 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 889 /- /- /683 /277 /226 F 889 /- /- /683 /277 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 451 -1083 D - E 504 -956 C - D 504 -956 E - F 451 -1083

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6'-7"-13".

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - I	833 -255	H - F	834 -265
I - H	568 -131		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
I - D	423 -241	D - H	428 -241



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

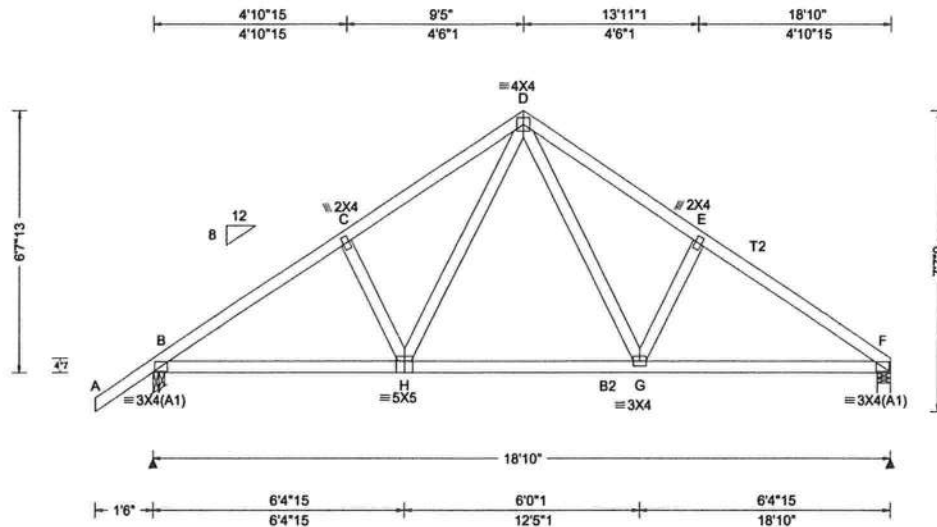
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372552 FROM: CDM	COMN Qty: 2	Ply: 1 Job Number: 20-4595 Derrick & Kristi Hall Truss Label: D02	Cust: R 215 JRef: 1WYY2150002 T11 DrwNo: 268.20.0925.57583 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)	
				Gravity	Non-Gravity
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+ / R- / Rh / Rw / U / RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.025 G 999 360	B 943	-/- /685 /278 /207
BCLL: 0.00	Enclosure: Part. Enc.	Lu: NA Cs: NA	VERT(CL): 0.050 G 999 240	F 830	-/- /593 /250 -
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.010 C - -	Wind reactions based on MWFRS	
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.020 C - -	B Brg Width = 3.5 Min Req = 1.5	
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	F Brg Width = 4.0 Min Req = 1.5	
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.218	Bearings B & F are a rigid surface.	
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.444	Members not listed have forces less than 375#	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2			Maximum Top Chord Forces Per Ply (lbs)	
	C&C Dist a: 3.00 ft			Chords	Tens.Comp. Chords Tens. Comp.
	Loc. from endwall: not in 4.50 ft			B - C	386 -1172 D - E 453 -1062
	GCPl: 0.55			C - D	435 -1044 E - F 404 -1188
	Wind Duration: 1.60		VIEW Ver: 20.01.00A.0415.10		

Lumber

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

Loading

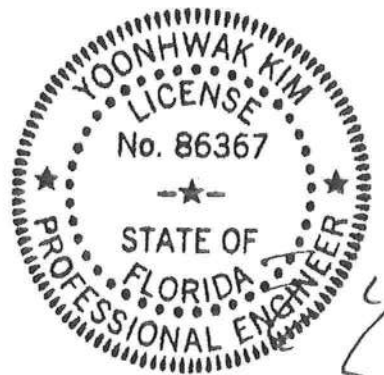
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6'-7"-13".



FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/24/2020

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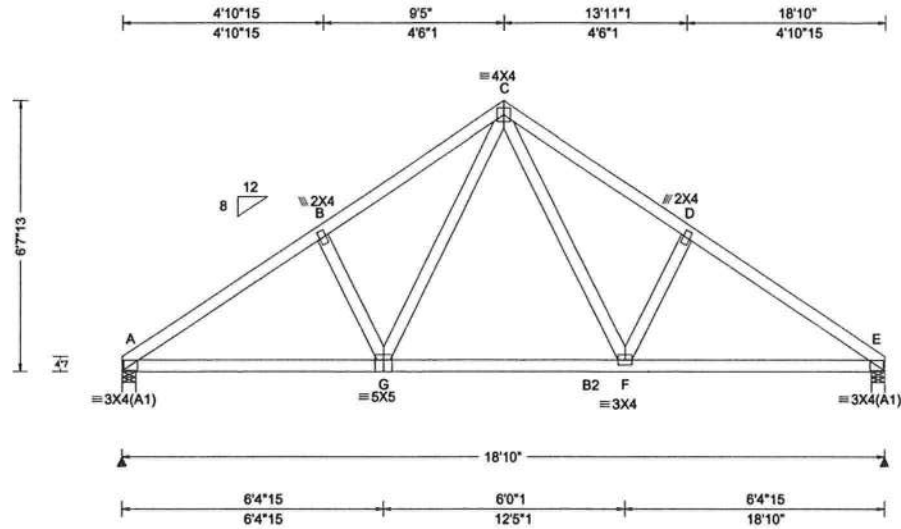
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ALPINE
 AN ITW COMPANY
 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 372549 FROM: CDM	COMN Ply: 1 Qty: 6	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: D03	Cust: R215 JRef:1WYY2150002 T12 DrwNo: 268.20.0926.00337 / YK 09/24/2020
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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: Part. Enc. Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.027 G 999 360 VERT(CL): 0.053 G 999 240 HORZ(LL): 0.011 B - - HORZ(TL): 0.021 B - - Creep Factor: 2.0 Max TC CSI: 0.220 Max BC CSI: 0.456 Max Web CSI: 0.204 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 835 /- /- /593 /251 /173 E 835 /- /- /593 /251 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 E Brg Width = 4.0 Min Req = 1.5 Bearings A & E are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 407 -1194 C - D 456 -1071 B - C 456 -1068 D - E 407 -1196

Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6'-7-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
A - G	930 -271	F - E	932 -271
G - F	630 -117		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
G - C	448 -217	C - F	452 -217

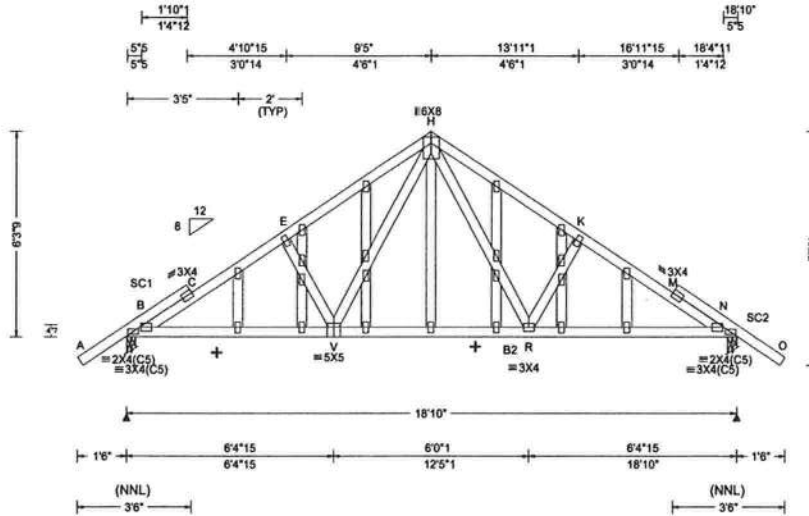
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372543 FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: D04	Cust: R 215 JRef: 1WYY2150002 T10 DrwNo: 268.20.0926.26100 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 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: Part. Enc. 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 GCpl: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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/def L/# VERT(LL): 0.037 X 999 360 VERT(CL): 0.081 X 999 240 HORZ(LL): 0.017 D - - HORZ(TL): 0.037 D - - Creep Factor: 2.0 Max TC CSI: 0.309 Max BC CSI: 0.475 Max Web CSI: 0.276 VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 1079 /- /- /733 /9 /60 N 1079 /- /- /733 /9 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 N Brg Width = 3.5 Min Req = 1.5 Bearings B & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 254 -1438 H - K 336 -1282 C - E 230 -1368 K - M 259 -1367 E - H 234 -1282 M - N 232 -1437

Lumber
Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

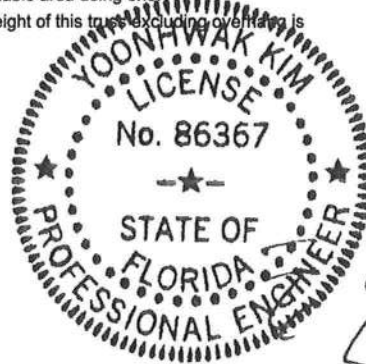
Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Wind
Wind loads based on MWFRS with additional C&C member design.
+ Member to be laterally braced for out of plane wind loads

Additional Notes
See DWGS A16015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.
The overall height of this truss excluding overhead is 6'-3.9'.

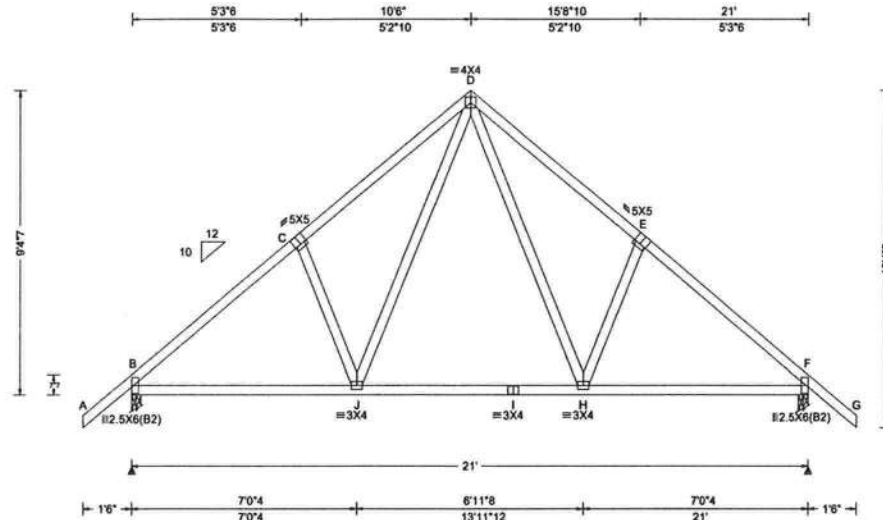


FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

****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. Refer to job's General Notes page for additional information.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372500 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: G01	Cust: R 215 JRef: 1WYY2150002 T30 DrwNo: 268.20.0926.29353 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Part. Enc. 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 GCpt: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.041 H 999 360 VERT(CL): 0.080 H 999 240 HORZ(LL): 0.024 H - - HORZ(TL): 0.047 H - - Creep Factor: 2.0 Max TC CSI: 0.454 Max BC CSI: 0.571 Max Web CSI: 0.544 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1087 /- /- /779 /298 /336 F 1087 /- /- /779 /298 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 446 -1244 D - E 557 -1105 C - D 558 -1105 E - F 444 -1244

Lumber

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

Loading

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-4.7".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

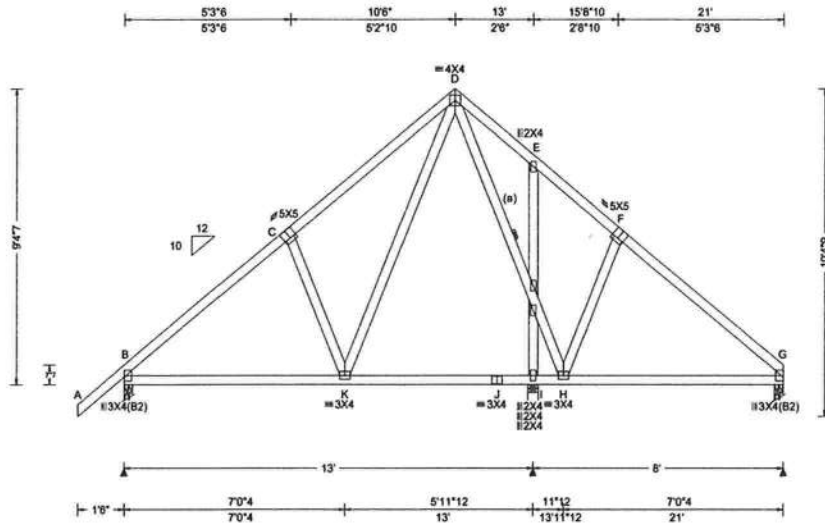
Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - J	861 -273	I - H	591 -170
J - I	591 -170	H - F	861 -200

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
J - D	496 -302	D - H	504 -301

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6750 Forum Drive
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SEQN: 372529 FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: G02	Cust: R 215 JRef: 1WYY2150002 T17 DrwNo: 268.20.0926.31077 / YK 09/24/2020
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Loading Criteria (psf) TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Criteria Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Part. Enc. Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCp: 0.55 Wind Duration: 1.60	Snow Criteria (Pg.Pf in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	Defl/CSI Criteria PP Deflection in loc L/def L/# VERT(LL): 0.022 K 999 360 VERT(CL): 0.044 K 999 240 HORZ(LL): 0.013 E - - HORZ(TL): 0.022 E - - Creep Factor: 2.0 Max TC CSI: 0.343 Max BC CSI: 0.620 Max Web CSI: 0.458 VIEW Ver: 20.01.00A.0415.10	▲ Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh / Rw / U / RL B 868 /- /- /688 /257 /310 I 585 /- /- /274 /113 /- G 614 /- /- /508 /201 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 I Brg Width = 4.0 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 Bearings B, I, & 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.
				B - C 307 -910 E - F 357 -541 C - D 408 -780 F - G 284 -687 D - E 407 -511 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - K 662 -232 I - H 416 -134 K - J 416 -134 H - G 446 -130 J - I 416 -134 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. K - D 479 -254

Lumber

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

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

The overall height of this truss excluding overhang is 9'-4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/24/2020

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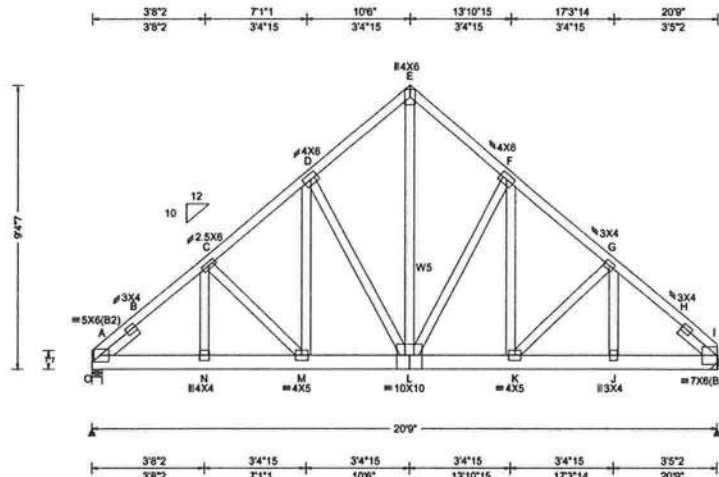
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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

2 Complete Trusses Required



SEQN: 372474	COMN	Ply: 2	Job Number: 20-4595	Cust: R 215 JRef: 1WYY2150002 T50
FROM: CDM		Qty: 1	Derrick & Kristi Hall	DrwNo: 268.20.0926.39343
Page 2 of 2			Truss Label: G03	/ YK 09/24/2020

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=20'6" uses the following support conditions: 20'6"

Bearing 1 (20'6", 9'1"2) HGUS28-2
Supporting Member: (2)2x8 SP #2
(36) 0.148"x3" nails into supporting member,
(12) 0.148"x3" nails into supported member.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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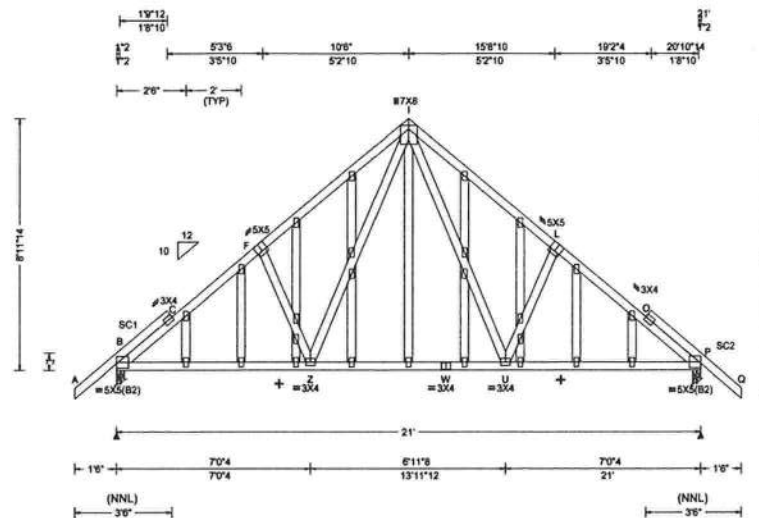
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372523 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: G04	Cust: R215 JRef: 1WYY2150002 T4 DrwNo: 268.20.0927.15507 / YK 09/24/2020
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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: Part. Enc. 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: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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/def L/# VERT(LL): 0.039 R 999 360 VERT(CL): 0.093 R 999 240 HORZ(LL): 0.027 D - - HORZ(TL): 0.064 D - - Creep Factor: 2.0 Max TC CSI: 0.351 Max BC CSI: 0.608 Max Web CSI: 0.429 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1306 /- /- /845 /- /78 P 1306 /- /- /845 /1 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 P Brg Width = 3.5 Min Req = 1.5 Bearings B & P are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 267 -1507 I - L 384 -1359 C - F 256 -1491 L - O 225 -1491 F - I 259 -1359 O - P 241 -1507

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

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

+ Member to be laterally braced for out of plane wind loads

Additional Notes
See DWGS A16015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss including overhang is 8-11-14.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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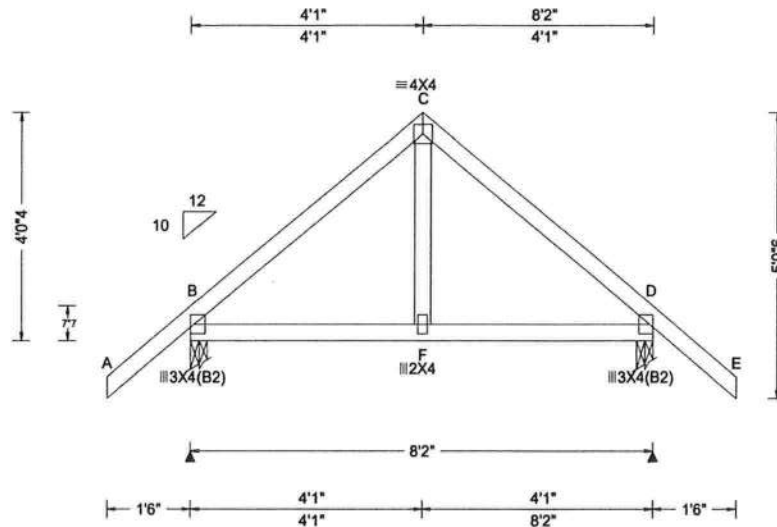
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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Suite 305
Orlando FL, 32821

SEQN: 372532 FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: H01	Cust: R215 JRef: 1WYY2150002 T45 DrwNo: 268.20.0927.18353 / YK 09/24/2020
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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: Part. Enc. 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: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.004 F 999 360 VERT(CL): 0.008 F 999 240 HORZ(LL): 0.003 F - - HORZ(TL): 0.005 F - - Creep Factor: 2.0 Max TC CSI: 0.209 Max BC CSI: 0.149 Max Web CSI: 0.066 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 458 /- /- /369 /130 /174 D 458 /- /- /369 /130 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 3.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375#

Lumber

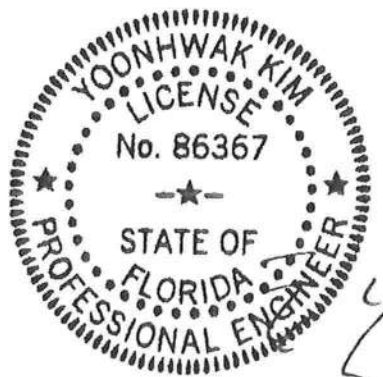
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4'-0.4".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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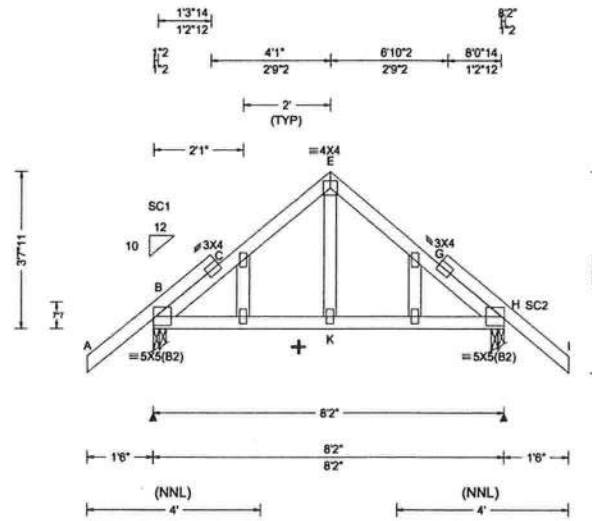
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372535 FROM: CDM	GABL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: H02	Cust: R 215 JRef: 1WYY2150002 T42 DrwNo: 268.20.0927.33663 / YK 09/24/2020
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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: Part. Enc. 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: 0.55 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building 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): 0.013 J 999 360 VERT(CL): 0.017 J 999 240 HORZ(LL): 0.009 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.260 Max BC CSI: 0.195 Max Web CSI: 0.065 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 529 - / - / - / 404 / 77 / 78 H 529 - / - / - / 404 / 79 / - 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 271 -553 G - H 178 -553

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 5.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

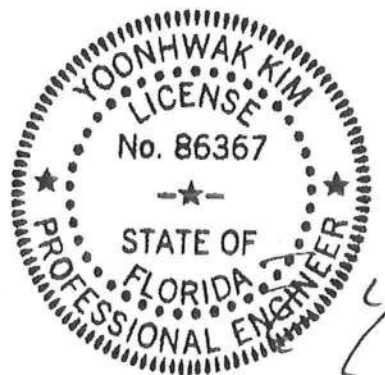
Additional Notes

See DWGS A16015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.

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

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

+ Member to be laterally braced for out of plane wind loads



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09/24/2020

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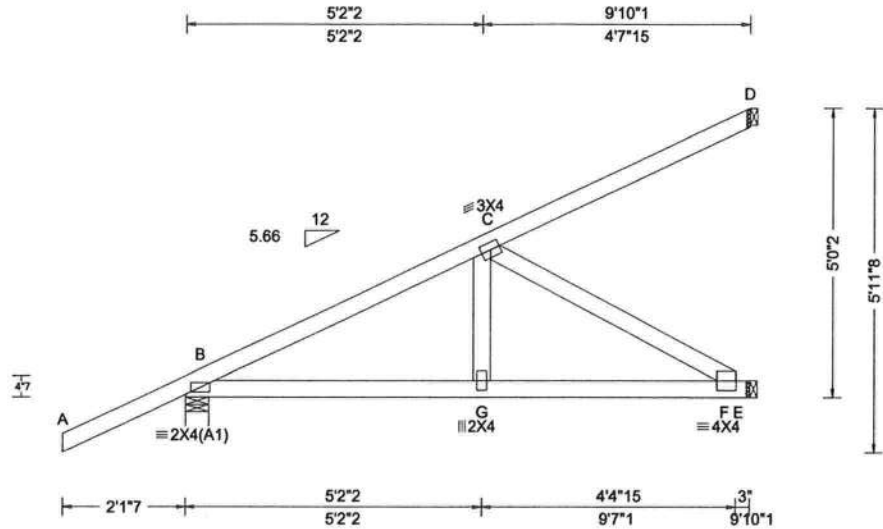
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372486 FROM: CDM	HIP_ Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: HJ1	Cust: R 215 JRef: 1WYY2150002 T9 DrwNo: 268.20.0927.48923 / YK 09/24/2020
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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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.016 G 999 360 VERT(CL): 0.031 G 999 240 HORZ(LL): 0.004 F - - HORZ(TL): 0.009 F - - Creep Factor: 2.0 Max TC CSI: 0.234 Max BC CSI: 0.611 Max Web CSI: 0.304 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 373 /- /- /- /241 /- E 335 /- /- /- /97 /- D 81 /- /- /- /23 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber
Top chord: 2x4 SP M-31;
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 -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -51 lb Conc. Load at 1.38
TC: 126 lb Conc. Load at 4.21
TC: 261 lb Conc. Load at 7.03
BC: 8 lb Conc. Load at 1.38
BC: 99 lb Conc. Load at 4.21
BC: 181 lb Conc. Load at 7.03

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 5'-0-2.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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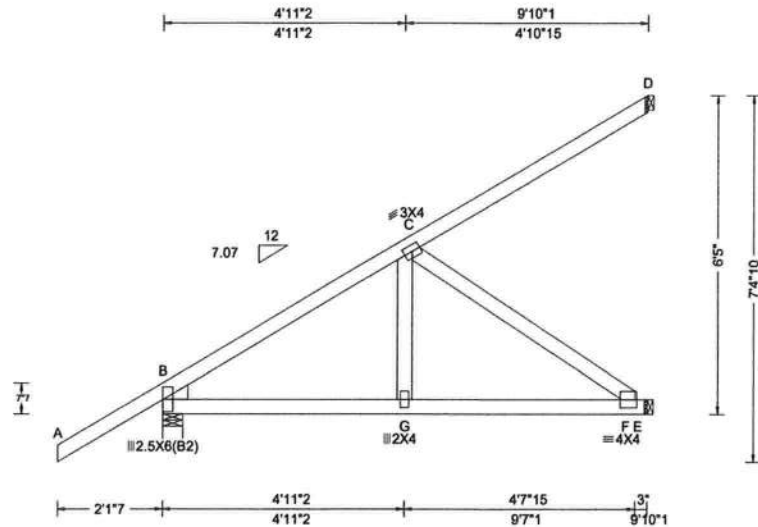
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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

SEQN: 372385 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: HJ2	Cust: R 215 JRef: 1WYY2150002 T65 DrwNo: 268.20.0927.53940 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defi L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.019 G 999 360	B	376	/-	/-	/-	/220	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.037 G 999 240	E	361	/-	/-	/-	/114	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.006 D - -	D	99	/-	/-	/-	/41	/-
	EXP: C Kzt: NA		HORZ(TL): 0.013 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Brg Width = 4.9 Min Req = 1.5						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.295	E Brg Width = 1.5 Min Req = -						
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.685	D Brg Width = 1.5 Min Req = -						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.345	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft			Maximum Top Chord Forces Per Ply (lbs)						
	GCpi: 0.18			Chords Tens.Comp.						
	Wind Duration: 1.60		VIEW Ver: 20.01.00A.0415.10							

Lumber

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

Special Loads

——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From -0 plf at -2.12 to 63 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 5 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -39 lb Conc. Load at 1.38
TC: 144 lb Conc. Load at 4.21
TC: 284 lb Conc. Load at 7.03
BC: 24 lb Conc. Load at 1.38
BC: 110 lb Conc. Load at 4.21
BC: 191 lb Conc. Load at 7.03

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 6-5-0.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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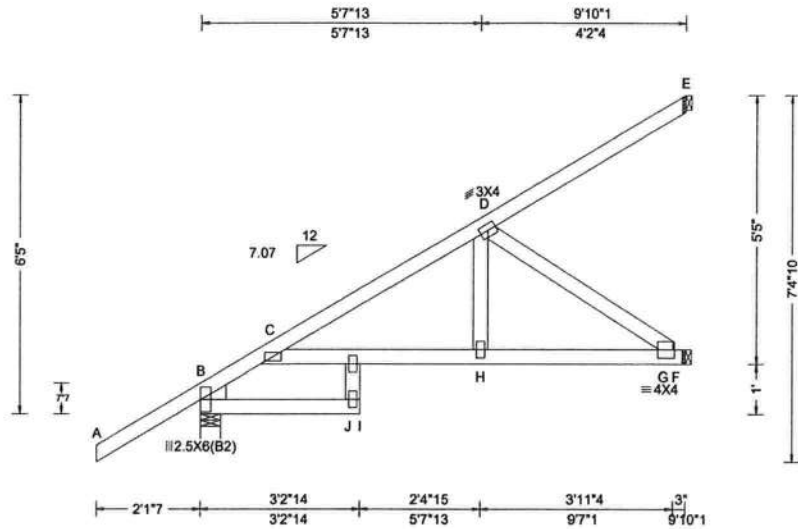
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372402 FROM: CDM	HIP_	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: HJ2A	Cust: R 215 JRef: 1WYY2150002 T61 DrwNo: 268.20.0927.58670 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	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): -0.076 J 999 360	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.123 I 960 240	B	376	/-	/-	/-	/220	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.057 G - -	F	402	/-	/-	/-	/140	/-
	EXP: C Kzt: NA		HORZ(TL): 0.089 G - -	E	43	/-	/-	/-	/15	/-
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.220	B	Brg Width = 4.9			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.478	F	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.314	E	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case		Bearing B is a rigid surface.						
	Loc. from endwall: not in 4.50 ft	FT/RT: 20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):		Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.00A.0415.10	Chords Tens.Comp.						

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC: From -0 plf at -2.12 to 63 plf at 0.00
 TC: From 2 plf at 0.00 to 2 plf at 9.84
 BC: From 0 plf at -2.12 to 5 plf at 0.00
 BC: From 2 plf at 0.00 to 2 plf at 9.84
 TC: -39 lb Conc. Load at 1.38
 TC: 143 lb Conc. Load at 4.21
 TC: 277 lb Conc. Load at 7.03
 BC: 24 lb Conc. Load at 1.38
 BC: 102 lb Conc. Load at 4.21
 BC: 181 lb Conc. Load at 7.03

Plating Notes

All plates are 2X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

The overall height of this truss excluding overhang is 6-5-0.

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/24/2020

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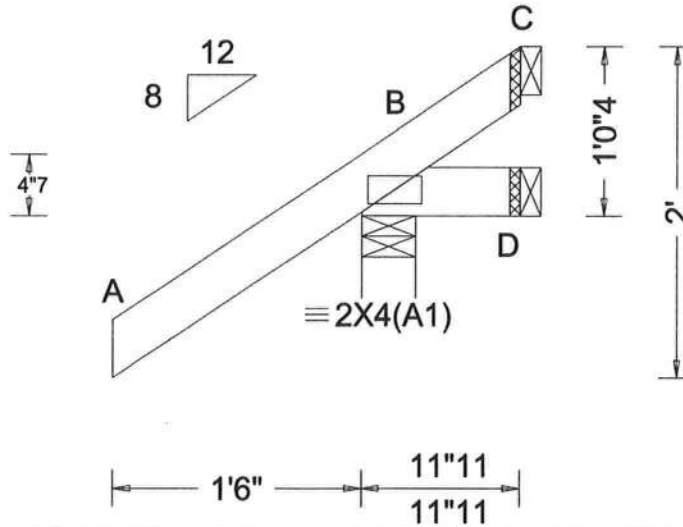
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ALPINE
 AN ITW COMPANY
 6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 372478 FROM: CDM	JACK Qty: 4	Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J01	Cust: R 215 JRef: 1WYY2150002 T7 DrwNo: 268.20.0928.00633 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	263	/-	/-	/225	/66	/46
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	D	4	/-17	/-	/17	/19	/-
	EXP: C Kzt: NA		HORZ(TL): 0.001 D - -	C	-	/-61	/-	/35	/68	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.187	B	Brg Width = 4.0			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.025	D	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.						
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#						
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10							
	Wind Duration: 1.60									

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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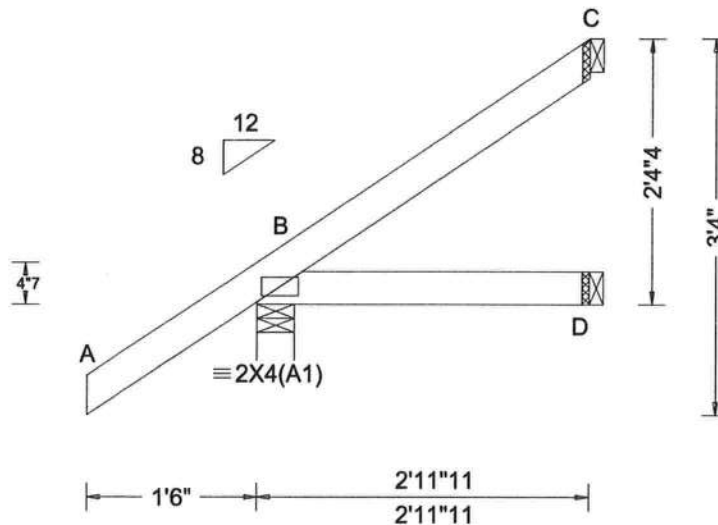
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372479 FROM: CDM	JACK Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J03	Cust: R215 JRef: 1WYY2150002 T6 DrwNo: 268.20.0928.02077 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	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): NA	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	267	/-	/-	/204	/34	/84
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	D	50	/-	/-	/39	/2	/-
	EXP: C Kzt: NA		HORZ(TL): 0.001 D - -	C	63	/-	/-	/30	/31	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.187	B	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.073	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Bearing B is a rigid surface.						
	Loc. from endwall: Any			Members not listed have forces less than 375#						
	GCpi: 0.18									
	Wind Duration: 1.60		VIEW Ver: 20.01.00A.0415.10							

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

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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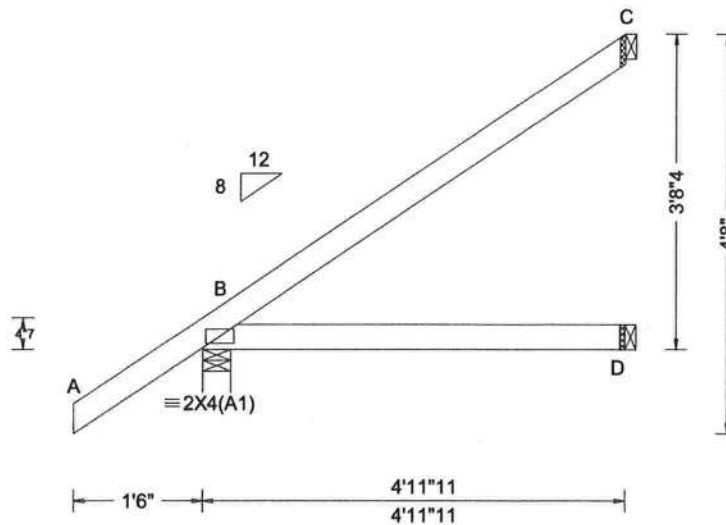
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372480 FROM: CDM	JACK Qty: 4	Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J05	Cust: R215 JRef: 1WYY2150002 T5 DrwNo: 268.20.0928.03533 / YK 09/24/2020
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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 Building 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): 0.004 D - - HORZ(TL): 0.007 D - - Creep Factor: 2.0 Max TC CSI: 0.323 Max BC CSI: 0.252 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 338 /- /- /247 /30 /122 D 90 /- /- /64 /- /- C 131 /- /- /74 /59 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

The overall height of this truss excluding overhang is 3-8-4.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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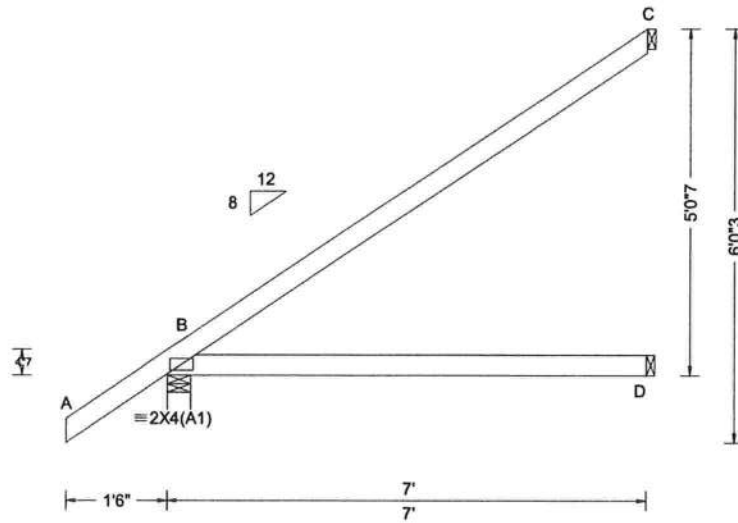
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6750 Forum Drive
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SEQN: 372481 FROM: CDM	EJAC Qty: 15	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J07	Cust: R 215 JRef: 1WYY2150002 T8 DrwNo: 268.20.0928.05023 / YK 09/24/2020
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)								
TCLL:	20.00	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):	NA		Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL):	NA		B	417	/-	/-	/297	/28	/161
BCDL:	10.00	Risk Category:	II	Snow Duration:	NA		HORZ(LL):	0.013 D	- -	D	131	/-	/-	/92	/1	/-
		EXP: C	Kzt: NA				HORZ(TL):	0.027 D	- -	C	193	/-	/-	/113	/86	/-
Des Ld:	40.00	Mean Height:	15.00 ft	Building Code:			Creep Factor:	2.0		Wind reactions based on MWFRS						
NCBCLL:	10.00	TCDL:	5.0 psf	FBC 2017 RES			Max TC CSI:	0.747		B	Brg Width = 4.0			Min Req = 1.5		
Soffit:	2.00	BCDL:	5.0 psf	TPI Std: 2014			Max BC CSI:	0.527		D	Brg Width = 1.5			Min Req = -		
Load Duration:	1.25	MWFRS Parallel Dist:	0 to h/2	Rep Fac: Yes			Max Web CSI:	0.000		C	Brg Width = 1.5			Min Req = -		
Spacing:	24.0 "	C&C Dist a:	3.00 ft	FT/RT: 20(0)/10(0)						Bearing B is a rigid surface.						
		Loc. from endwall:	not in 4.50 ft	Plate Type(s):						Members not listed have forces less than 375#						
		GCpi:	0.18	WAVE						VIEW Ver: 20.01.00A.0415.10						
		Wind Duration:	1.60													

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

The overall height of this truss excluding overhang is 5'-0" to 7'.



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09/24/2020

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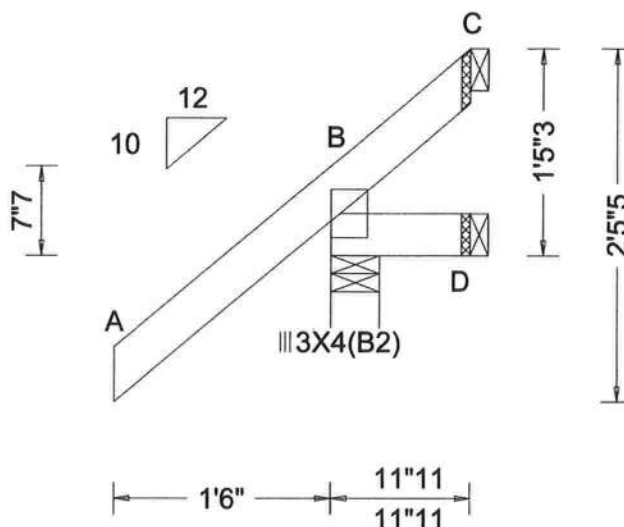
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372381 FROM: CDM	JACK Qty: 4	Ply: 1 Qty: 4	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J2	Cust: R 215 JRef: 1WYY2150002 T59 DrwNo: 268.20.0928.06373 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	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): NA	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	239	/-	/-	/213	/47	/59
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	D	12	/-6	/-	/14	/10	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -	C	-	/-42	/-	/28	/53	/-
NCBCLL: 10.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.198	B	Brg Width = 4.0		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.034	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.						
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#						
	GCpi: 0.18	WAVE	VIEW Ver: 20.01.00A.0415.10							
	Wind Duration: 1.60									

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

The overall height of this truss excluding overhang is 1-5-3.



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09/24/2020

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Diagram of a structural frame with an inclined member AC and a horizontal member BD. Member AC has a slope of 12/10 and a vertical height of 7'7". Member BD is horizontal and supported by a 3x4 (B2) column. The horizontal distance from A to the column is 1'6", and from the column to D is 2'11"11. The vertical distance from the column to C is 3'1"3, and from D to C is 4'1"5.

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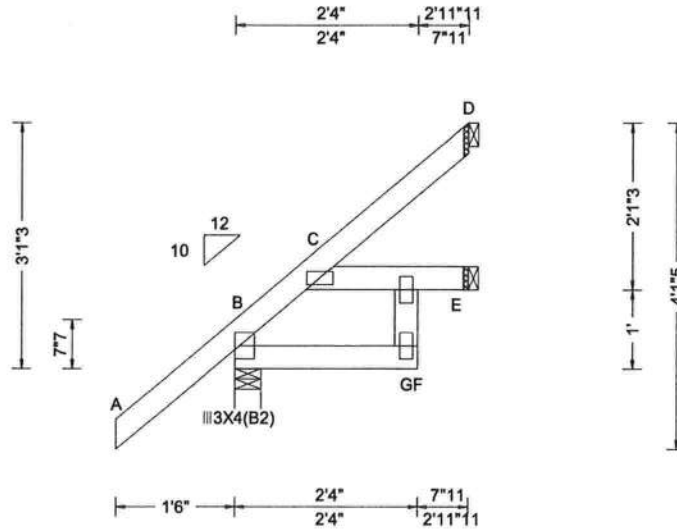
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 Suite 305
 Orlando FL, 32821

SEQN: 372399 FROM: CDM	JACK Qty: 2	Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J4A	Cust: R 215 JRef: 1WYY2150002 T67 DrwNo: 268.20.0928.09833 / YK 09/24/2020
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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 Building 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/def L/# VERT(LL): -0.003 G 999 360 VERT(CL): 0.007 G 999 240 HORZ(LL): -0.004 G - - HORZ(TL): 0.005 G - - Creep Factor: 2.0 Max TC CSI: 0.198 Max BC CSI: 0.053 Max Web CSI: 0.031 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 264 /- /- /208 /17 /107 E 51 /- /- /40 /1 /- D 72 /- /- /46 /41 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D 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;
Webs: 2x4 SP #3;

Plating Notes

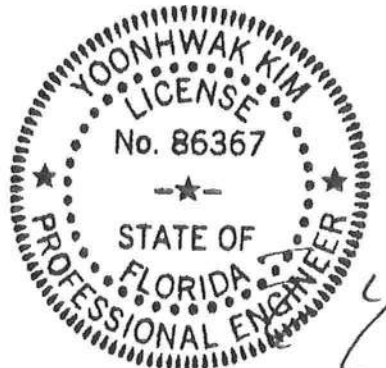
All plates are 2X4 except as noted.

Wind

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

Additional Notes

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



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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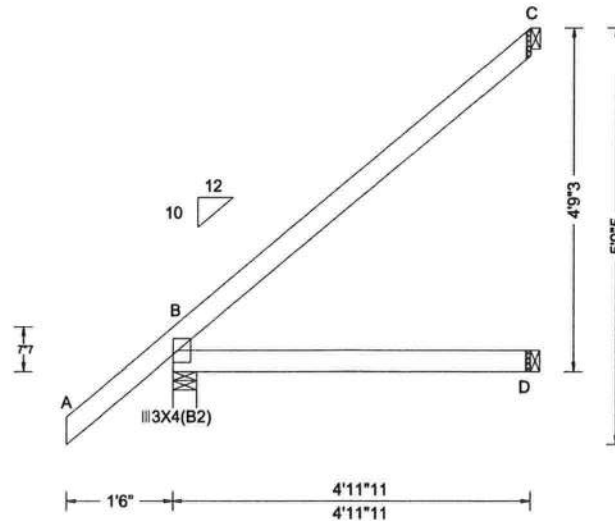
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372383 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J6	Cust: R 215 JRef: 1WYY2150002 T57 DrwNo: 268.20.0928.11500 / YK 09/24/2020
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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 Building 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 C - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.380 Max BC CSI: 0.281 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 339 /- /- /252 /6 /155 D 95 /- /- /67 /- /- C 142 /- /- /96 /79 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

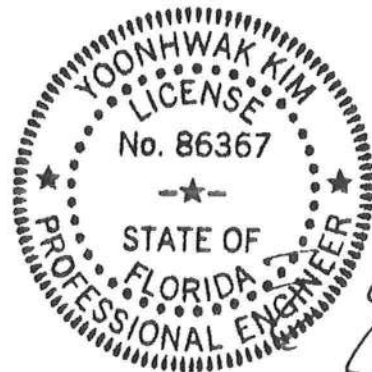
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-9-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

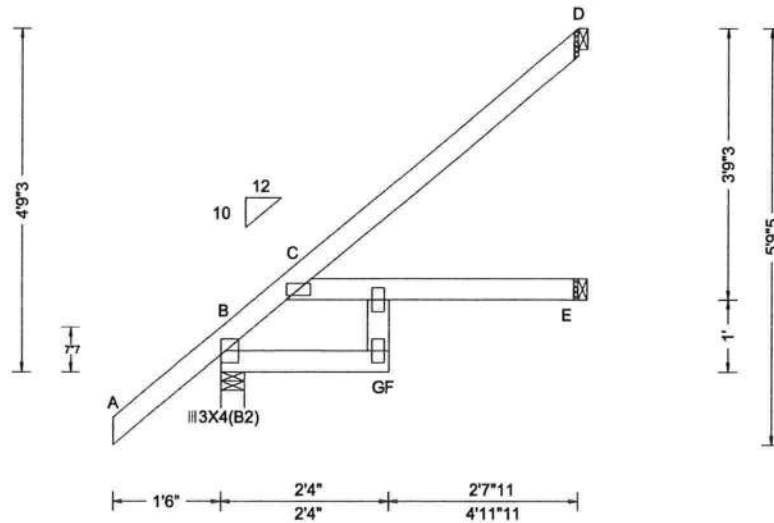
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6750 Forum Drive
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SEQN: 372396 FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J6A	Cust: R 215 JRef: 1WYY2150002 T14 DrwNo: 268.20.0928.13530 / YK 09/24/2020
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Loading 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 Building 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): 0.034 F 999 360 VERT(CL): 0.066 F 900 240 HORZ(LL): 0.025 G - - HORZ(TL): 0.052 G - - Creep Factor: 2.0 Max TC CSI: 0.349 Max BC CSI: 0.255 Max Web CSI: 0.130 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 339 /- /- /252 /6 /155 E 91 /- /- /65 /5 /- D 139 /- /- /96 /74 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D 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;
Webs: 2x4 SP #3;

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 4-9-3.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

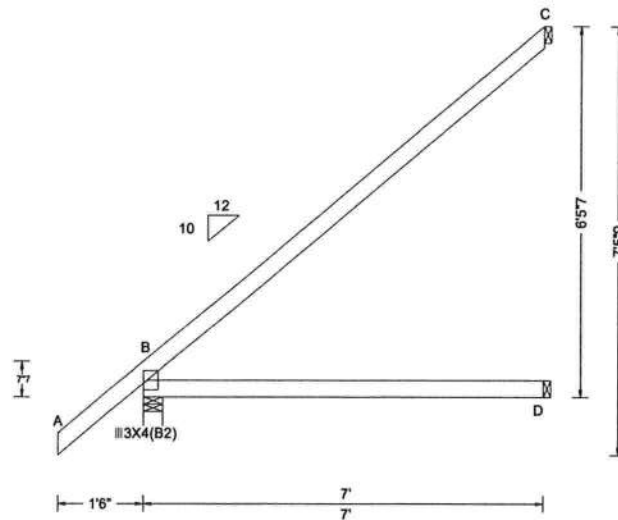
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372384 FROM: CDM	EJAC Qty: 3	Ply: 1 Qty: 3	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J8	Cust: R 215 JRef: 1WYY2150002 T63 DrwNo: 268.20.0928.15317 / YK 09/24/2020
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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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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: 0.849 Max BC CSI: 0.571 Max Web CSI: 0.000 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 421 /- /- /302 /- /201 D 136 /- /- /97 /1 /- C 206 /- /- /142 /112 /- Wind reactions based on MWFRS B Brg Width = 4.0 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

The overall height of this truss excluding overhang is 6'-5-7/8\"/>



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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

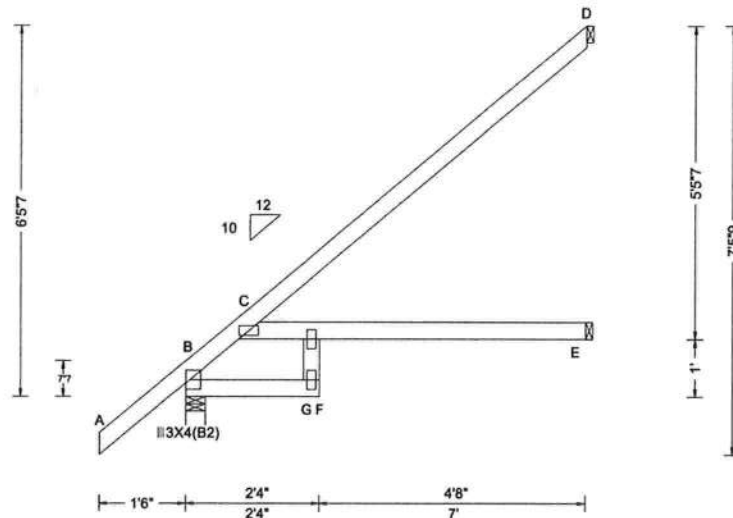
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372393 FROM: CDM	EJAC Qty: 4	Ply: 1 Job Number: 20-4595 Derrick & Kristi Hall Truss Label: J8A	Cust: R 215 JRef: 1WYY2150002 T66 DrwNo: 268.20.0928.17613 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity Non-Gravity						
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.123 F 678 360	Loc	R+	/R-	/Rh	/Rw	/U	/RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.227 F 368 240	B	421	/-	/-	/304	/-	/203
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.078 G - -	E	132	/-	/-	/98	/7	-
	EXP: C Kzt: NA		HORZ(TL): 0.163 G - -	D	201	/-	/-	/141	/106	/-
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 2017 RES	Max TC CSI: 0.787	B	Brg Width = 4.0			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.536	E	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.295	D	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.						
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10	Members not listed have forces less than 375#						
	GCpi: 0.18	WAVE								
	Wind Duration: 1.60									

Lumber

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

Plating Notes

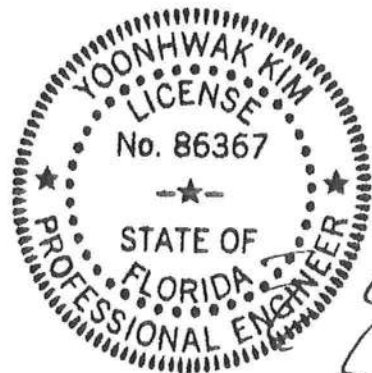
All plates are 2X4 except as noted.

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-5-7.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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

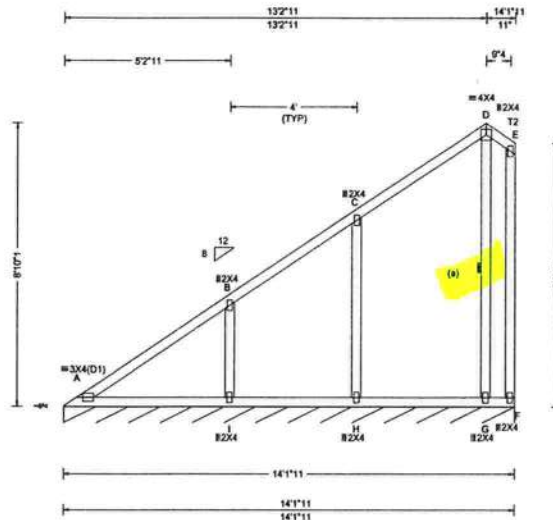
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ANTW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372553 FROM: CDM	VAL Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V1	Cust: R 215 JRef: 1WYY2150002 T46 DrwNo: 268.20.0928.19970 / YK 09/24/2020
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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: 15.83 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.010 I 999 360 VERT(CL): 0.021 I 999 240 HORZ(LL): -0.004 E - - HORZ(TL): 0.007 I - - Creep Factor: 2.0 Max TC CSI: 0.115 Max BC CSI: 0.087 Max Web CSI: 0.187 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL F* 84 /- /- /57 /3 /12 Wind reactions based on MWFRS F Brg Width = 169 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

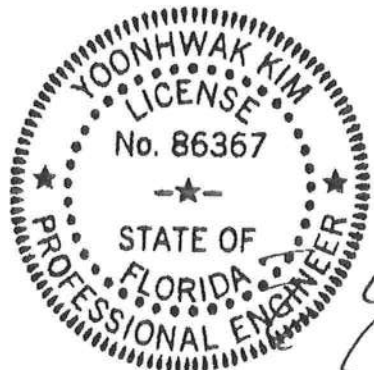
(a) Continuous lateral restraint equally spaced on member.

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 8-10-1.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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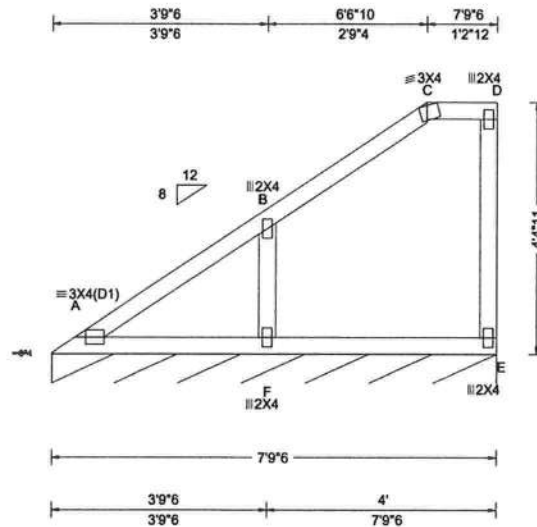
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372562 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V10	Cust: R215 JRef: 1WYY2150002 T44 DrwNo: 268.20.0928.21373 / YK 09/24/2020
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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: 15.90 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.020 C 999 360 VERT(CL): 0.041 C 999 240 HORZ(LL): 0.012 C - - HORZ(TL): 0.026 C - - Creep Factor: 2.0 Max TC CSI: 0.298 Max BC CSI: 0.173 Max Web CSI: 0.060 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /55 /5 /10 Wind reactions based on MWFRS E Brg Width = 93.4 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-4"-11".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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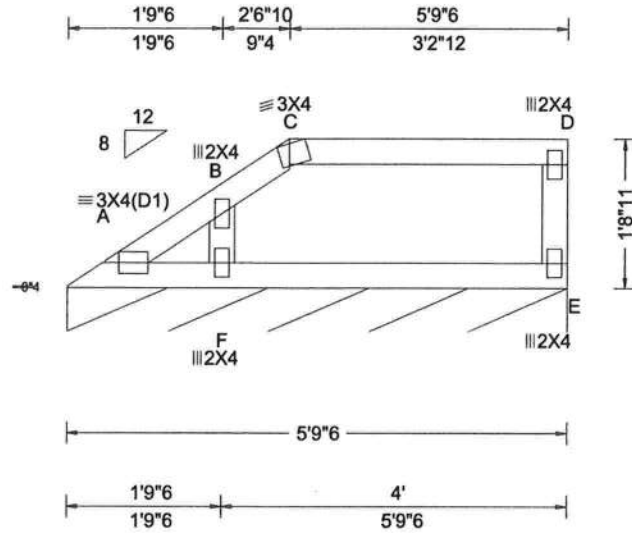
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372563 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V11	Cust: R 215 JRef: 1WYY2150002 T43 DrwNo: 268.20.0928.22567 / YK 09/24/2020
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCCL: 20.00 TCDL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.90 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.008 C 999 360 VERT(CL): 0.017 C 999 240 HORZ(LL): 0.005 C - - HORZ(TL): 0.011 C - - Creep Factor: 2.0 Max TC CSI: 0.182 Max BC CSI: 0.131 Max Web CSI: 0.076 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /47 /10 /5 Wind reactions based on MWFRS E Brg Width = 69.4 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

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-8-11.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

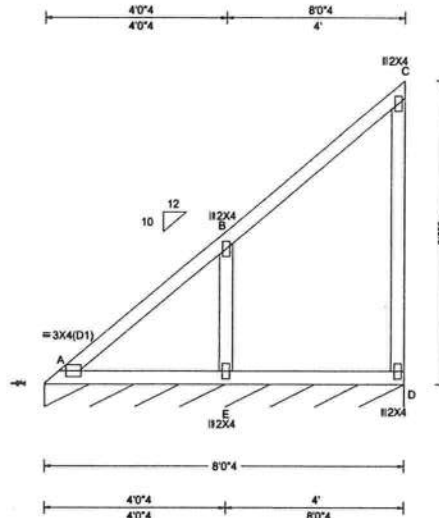
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372564 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V12	Cust: R 215 JRef: 1WYY2150002 T41 DrwNo: 268.20.0928.23607 / YK 09/24/2020
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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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpf: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.004 E 999 360 VERT(CL): 0.009 E 999 240 HORZ(LL): -0.004 C - - HORZ(TL): 0.005 C - - Creep Factor: 2.0 Max TC CSI: 0.285 Max BC CSI: 0.184 Max Web CSI: 0.083 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 86 /- /- /62 /11 /23 Wind reactions based on MWFRS D Brg Width = 96.3 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

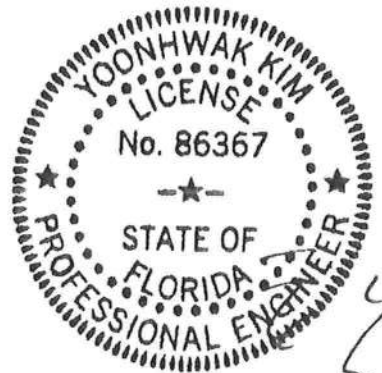
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 6-8-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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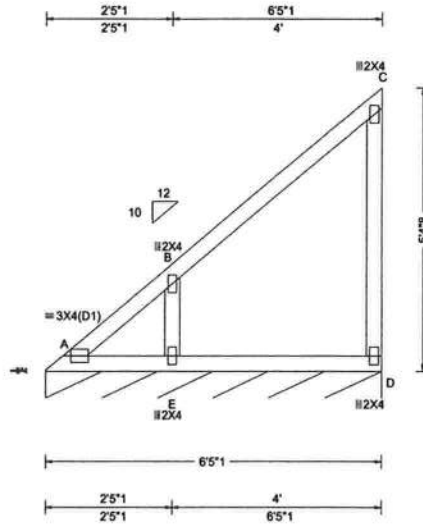
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372565 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V13	Cust: R 215 JRef: 1WYY2150002 T40 DrwNo: 268.20.0928.24517 / YK 09/24/2020
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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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 E 999 360 VERT(CL): 0.001 C 999 240 HORZ(LL): -0.003 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.144 Max Web CSI: 0.064 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 86 /- /- /62 /11 /22 Wind reactions based on MWFRS D Brg Width = 77.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

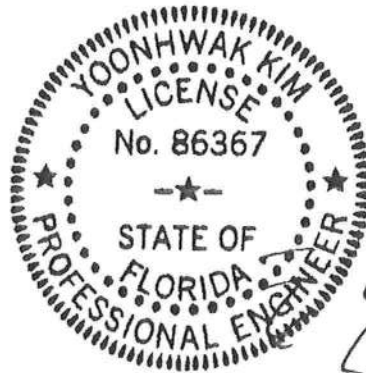
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5-4-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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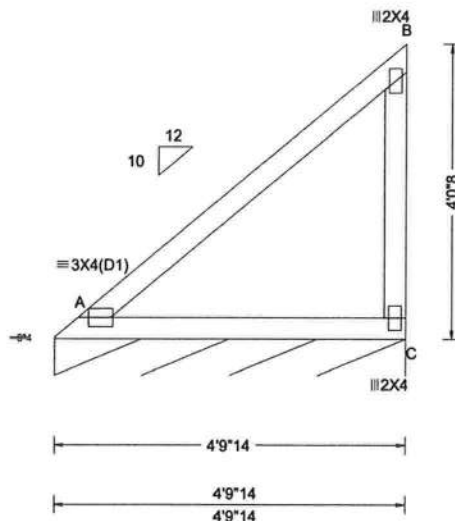
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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

For more information see these web sites: Alpine: 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: 372566 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V14	Cust: R 215 JRef: 1WYY2150002 T39 DrwNo: 268.20.0928.25397 / YK 09/24/2020
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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: 15.56 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.308 Max BC CSI: 0.257 Max Web CSI: 0.101 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /61 /11 /22 Wind reactions based on MWFRS C Brg Width = 57.9 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

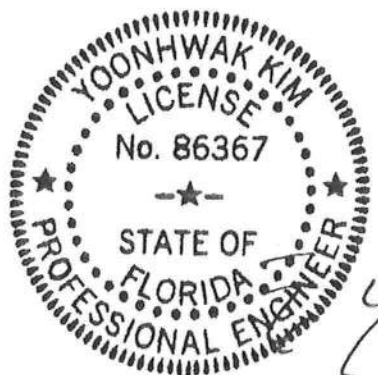
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4'-0.8".



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09/24/2020

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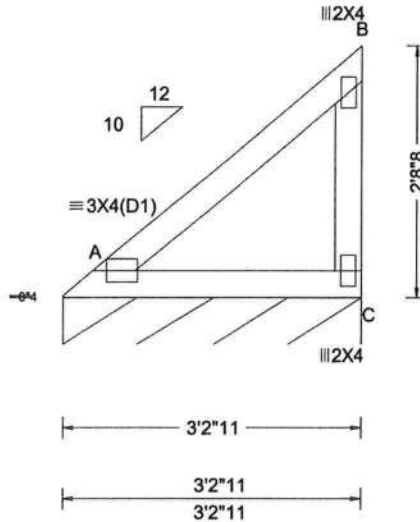
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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

SEQN: 372567 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V15	Cust: R 215 JRef: 1WYY2150002 T38 DrwNo: 268.20.0928.26260 / YK 09/24/2020
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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: 16.22 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.122 Max BC CSI: 0.121 Max Web CSI: 0.039 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /60 /11 /22 Wind reactions based on MWFRS C Brg Width = 38.7 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

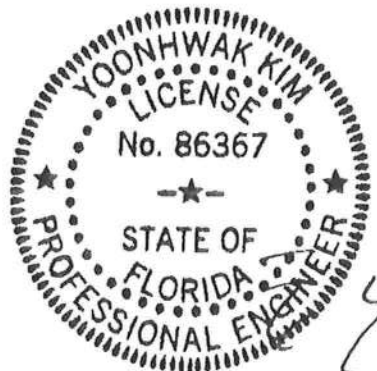
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2-8-8.



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09/24/2020

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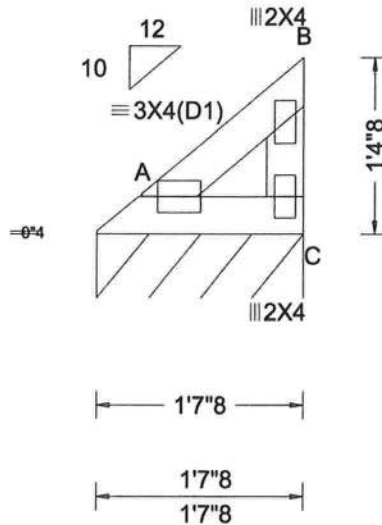
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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

SEQN: 372568 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V16	Cust: R215 JRef: 1WYY2150002 T15 DrwNo: 268.20.0928.27253 / YK 09/24/2020
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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: 16.89 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.025 Max BC CSI: 0.025 Max Web CSI: 0.011 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /55 /9 /19 Wind reactions based on MWFRS C Brg Width = 19.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

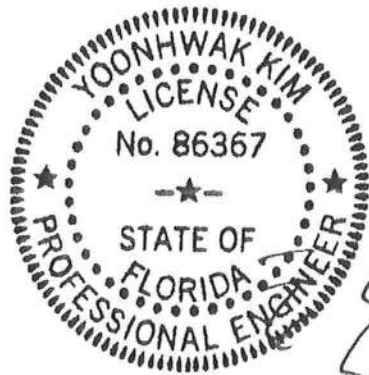
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 14-8.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

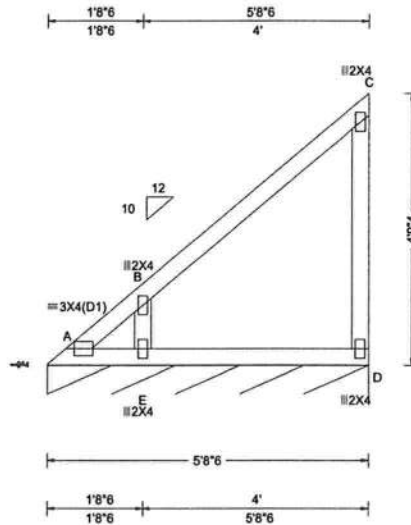
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Suite 305
Orlando FL, 32821

SEQN: 372569 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V17	Cust: R 215 JRef: 1WYY2150002 T28 DrwNo: 268.20.0928.28157 / YK 09/24/2020
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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: 15.92 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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 E 999 360 VERT(CL): -0.001 E 999 240 HORZ(LL): -0.002 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.269 Max BC CSI: 0.144 Max Web CSI: 0.070 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 86 /- /- /61 /11 /22 Wind reactions based on MWFRS D Brg Width = 68.4 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.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4'-9"-4."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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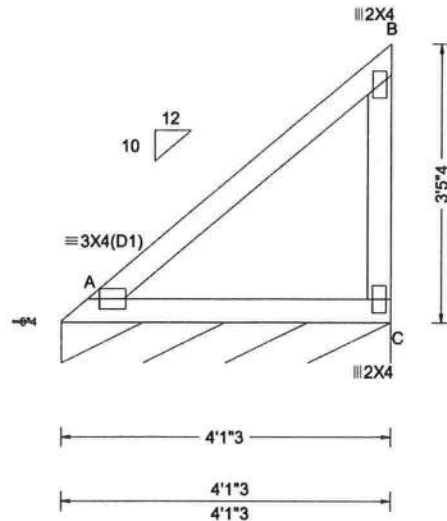
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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. Refer to job's General Notes page for additional information.

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372570 FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V18	Cust: R 215 JRef: 1WYY2150002 T29 DrwNo: 268.20.0928.29140 / YK 09/24/2020
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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: 16.59 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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.003 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.213 Max BC CSI: 0.188 Max Web CSI: 0.067 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /60 /2 /14 Wind reactions based on MWFRS C Brg Width = 49.2 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.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3'-5 1/4\"/>



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09/24/2020

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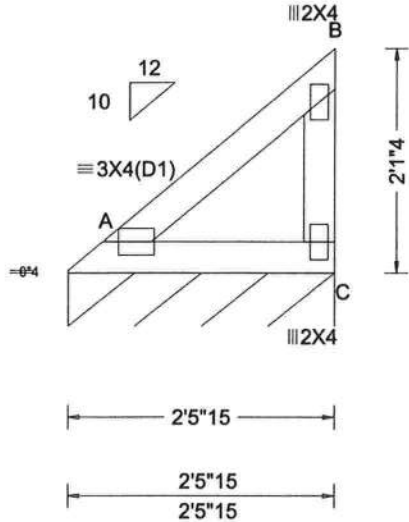
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372571 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V19	Cust: R 215 JRef: 1WYY2150002 T31 DrwNo: 268.20.0928.30077 / YK 09/24/2020
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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	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): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C*	85	/-	/-	/58	/2	/13
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -	C Brg Width = 30.0 Min Req = -						
Des Ld: 40.00	Mean Height: 17.25 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Building Code:	Max TC CSI: 0.068	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	FBC 2017 RES	Max BC CSI: 0.062							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h	TPI Std: 2014	Max Web CSI: 0.024							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 20.01.00A.0415.10							

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2'-1-4."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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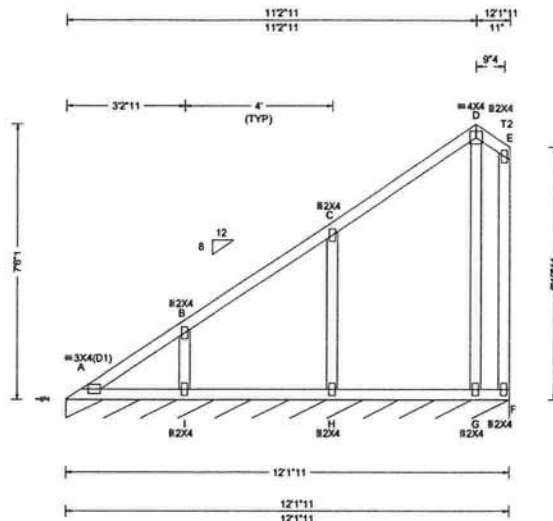
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SEQN: 372554 FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V2	Cust: R 215 JRef: 1WYY2150002 T32 DrwNo: 268.20.0928.31120 / YK 09/24/2020
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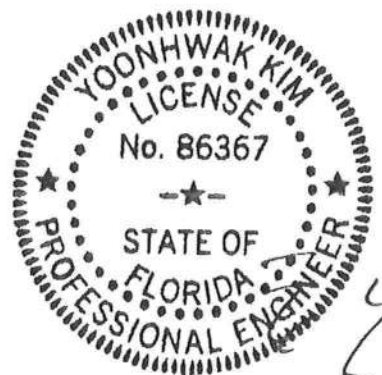


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF																				
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>F*</td><td>84</td><td>/-</td><td>/-</td><td>/56</td><td>/3</td><td>/12</td></tr></table>	Gravity			Non-Gravity			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	F*	84	/-	/-	/56	/3	/12
Gravity			Non-Gravity																					
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL																		
F*	84	/-	/-	/56	/3	/12																		
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.002 I 999 360	Wind reactions based on MWFRS																				
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.004 I 999 240	F Brg Width = 145 Min Req = -																				
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 E - -	Bearing A is a rigid surface.																				
Des Ld: 40.00	EXP: C Kzt: NA	Building Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	HORZ(TL): 0.004 E - -	Members not listed have forces less than 375#																				
NCBCLL: 10.00	Mean Height: 16.50 ft		Creep Factor: 2.0																					
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.083																					
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.056																					
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.132																					
	C&C Dist a: 3.00 ft																							
	Loc. from endwall: not in 9.00 ft																							
	GCpl: 0.18																							
	Wind Duration: 1.60		VIEW Ver: 20.01.00A.0415.10																					

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

Wind
 Wind loads based on MWFRS with additional C&C member design.
 Right end vertical not exposed to wind pressure.

Additional Notes
 See DWG VAL160101014 for valley details.
 The overall height of this truss excluding overhang is 7-6-1.

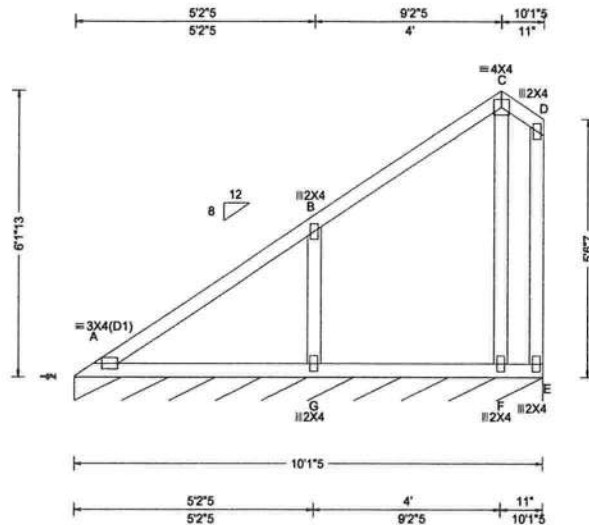


FL REG# 278, Yoonhwak Kim, FL PE #86367
 09/24/2020

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 6750 Forum Drive
 Suite 305
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SEQN: 372555 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V3	Cust: R215 JRef: 1WYY2150002 T34 DrwNo: 268.20.0928.32040 / YK 09/24/2020
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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: 17.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.012 G 999 360 VERT(CL): 0.026 G 999 240 HORZ(LL): 0.004 G - - HORZ(TL): 0.009 G - - Creep Factor: 2.0 Max TC CSI: 0.354 Max BC CSI: 0.233 Max Web CSI: 0.086 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /56 /3 /12 Wind reactions based on MWFRS E Brg Width = 121 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

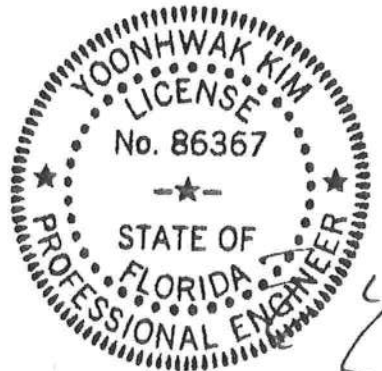
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-1-13.



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09/24/2020

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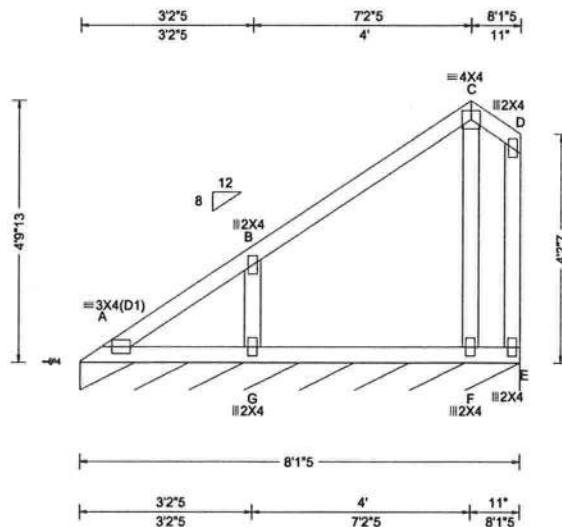
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 372556 FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V4	Cust: R 215 JRef: 1WYY2150002 T35 DrwNo: 268.20.0928.32960 / YK 09/24/2020
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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		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity	Non-Gravity
TCCL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.002 G 999 360		Loc R+ / R- / Rh / Rw / U / RL	
BCCL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.003 G 999 240		E* 84 /- /- /55 /3 /11	
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): -0.002 D - -		Wind reactions based on MWFRS	
Des Ld: 40.00		EXP: C Kzt: NA				HORZ(TL): 0.002 D - -		E Brg Width = 97.3 Min Req = -	
NCBCLL: 10.00		Mean Height: 17.82 ft		Building Code:		Creep Factor: 2.0		Bearing A is a rigid surface.	
Soffit: 2.00		TCCL: 5.0 psf		FBC 2017 RES		Max TC CSI: 0.253		Members not listed have forces less than 375#	
Load Duration: 1.25		BCDL: 5.0 psf		TPI Std: 2014		Max BC CSI: 0.127			
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h		Rep Fac: Yes		Max Web CSI: 0.055			
		C&C Dist a: 3.00 ft		FT/RT: 20(0)/10(0)					
		Loc. from endwall: not in 9.00 ft		Plate Type(s):					
		GCpl: 0.18		WAVE					
		Wind Duration: 1.60				VIEW Ver: 20.01.00A.0415.10			

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-9-13.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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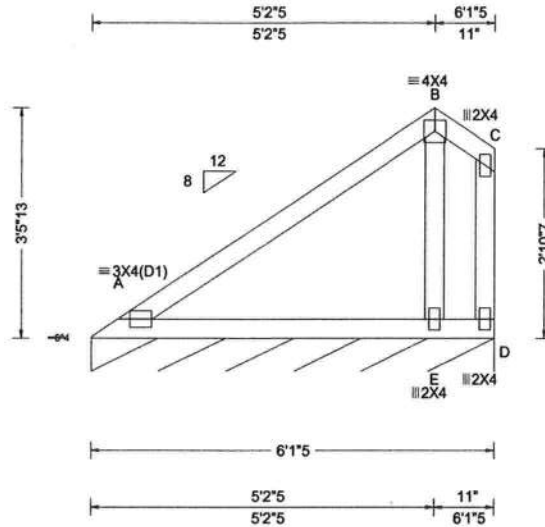
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Orlando FL, 32821

SEQN: 372557 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V5	Cust: R 215 JRef: 1WYY2150002 T36 DrwNo: 268.20.0928.34003 / YK 09/24/2020
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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: 18.49 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.017 E 999 360 VERT(CL): 0.036 E 999 240 HORZ(LL): 0.006 E - - HORZ(TL): 0.013 E - - Creep Factor: 2.0 Max TC CSI: 0.346 Max BC CSI: 0.266 Max Web CSI: 0.042 VIEW Ver: 20.01.00A.0415.10	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 84 /- /- /53 /2 /11 Wind reactions based on MWFRS D Brg Width = 73.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

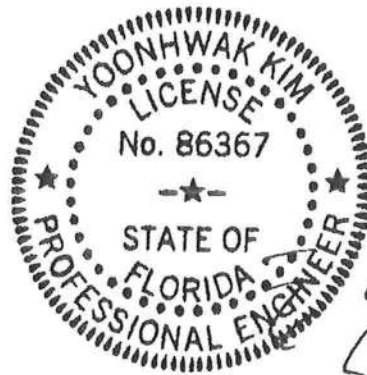
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3'-5-13.

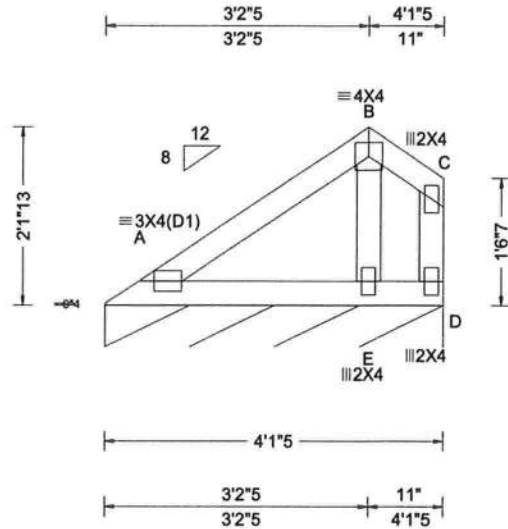


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09/24/2020

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SEQN: 372558 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V6	Cust: R 215 JRef: 1WYY2150002 T37 DrwNo: 268.20.0928.34980 / YK 09/24/2020
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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: 19.16 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.004 E 999 360 VERT(CL): 0.008 E 999 240 HORZ(LL): 0.001 E - - HORZ(TL): 0.003 E - - Creep Factor: 2.0 Max TC CSI: 0.108 Max BC CSI: 0.093 Max Web CSI: 0.021 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 84 /- /- /50 /2 /10 Wind reactions based on MWFRS D Brg Width = 49.3 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

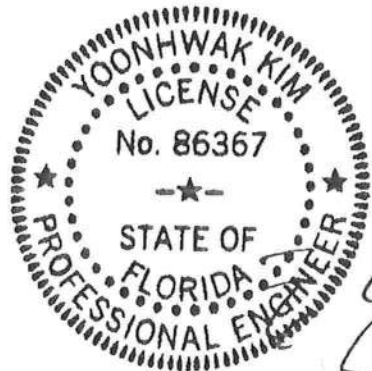
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2'-1'-13.



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09/24/2020

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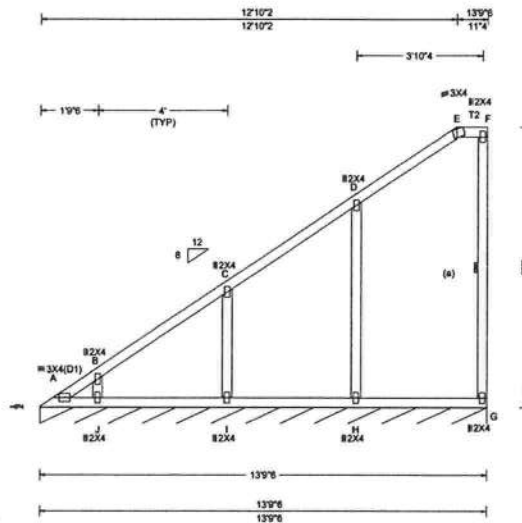
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 372559 FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V7	Cust: R 215 JRef: 1WYY2150002 T68 DrwNo: 268.20.0928.36050 / YK 09/24/2020
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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/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.014 E 999 360 VERT(CL): 0.029 E 999 240 HORZ(LL): -0.010 E - - HORZ(TL): 0.019 E - - Creep Factor: 2.0 Max TC CSI: 0.170 Max BC CSI: 0.063 Max Web CSI: 0.224 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL G* 84 /- /- /57 /13 /17 Wind reactions based on MWFRS G Brg Width = 165 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

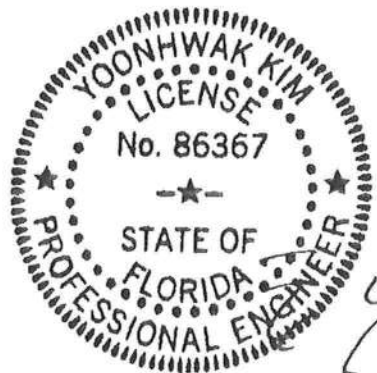
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 8'-7-0.



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

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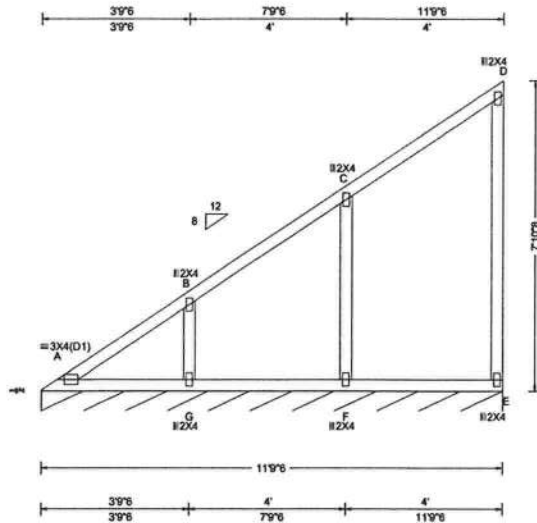
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 372560 FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 20-4595 Derrick & Kristi Hall Truss Label: V8	Cust: R 215 JRef: 1WYY2150002 T64 DrwNo: 268.20.0928.37217 / YK 09/24/2020
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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 GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 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): 0.004 G 999 360 VERT(CL): 0.008 G 999 240 HORZ(LL): -0.003 D - - HORZ(TL): 0.004 D - - Creep Factor: 2.0 Max TC CSI: 0.099 Max BC CSI: 0.164 Max Web CSI: 0.142 VIEW Ver: 20.01.00A.0415.10	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 84 /- /- /58 /3 /12 Wind reactions based on MWFRS E Brg Width = 141 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

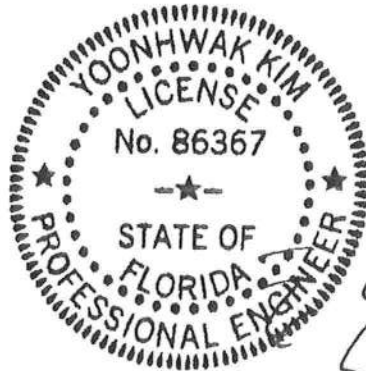
Top chord: 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 7'-10".



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

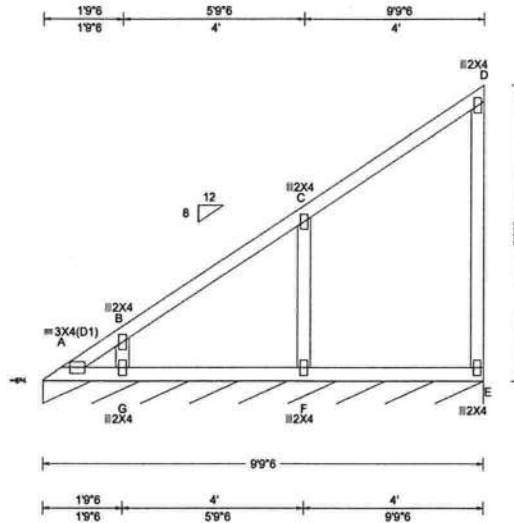
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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-2 for standard plate positions. Refer to job's General Notes page for additional information.

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 C 999 360	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 C 999 240	E* 84 /- /- /58 /4 /12
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.002 D - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.003 D - -	E Brg Width = 117 Min Req = -
NCBCLL: 10.00	Mean Height: 15.64 ft	FBC 2017 RES	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.272	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.174	
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT: 20(0)/10(0)	Max Web CSI: 0.087	
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 20.01.00A.0415.10	
	Loc. from endwall: not in 9.00 ft	WAVE		
	GCPl: 0.18			
	Wind Duration: 1.60			

Lumber

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

Wind

Wind loads based on MWFRS with additional C&C member design.
Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 6'-6-8."



FL REG# 278, Yoonhwak Kim, FL PE #86367
09/24/2020

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information see these web sites: Alpine: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
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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.

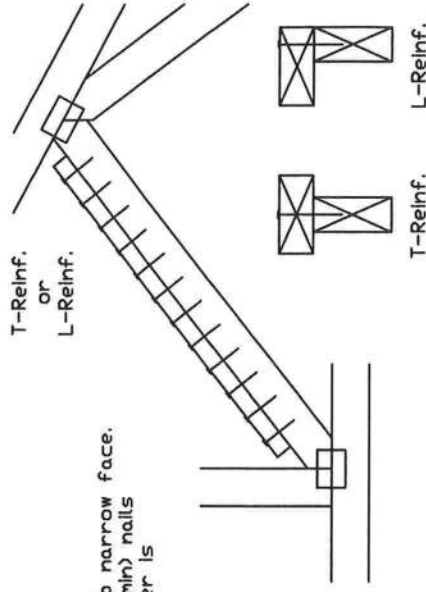
Center scab on wide face of web. Apply (1) scab to each face of web.

T-Reinforcement

or

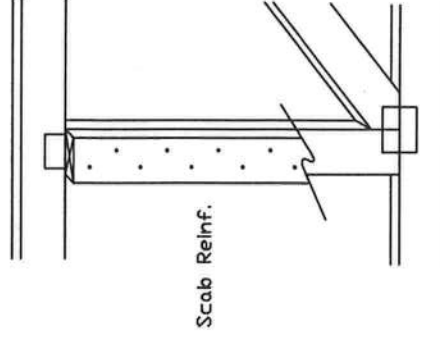
L-Reinforcement:

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.



STATE OF

FLORIDA

PROFESSIONAL ENGINEER

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLATION. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ACI 308.1 for concrete construction. Temporary bracing shall be provided in accordance with the practices 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 of truss and joints shall be installed per ACI 308.1 sections 13, 17 or 110, as applicable. Apply plates to each face of truss and joints. Refer to drawings 1504-2 for standard plate details, unless noted otherwise. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional seal and the responsibility of the building designer. For any structure is the responsibility of the building designer. For more information see this job's general notes page and the website: ALPINE: www.alpine.com TPI: www.tpi.org SBC: www.sbcindustry.org IOD: www.iod.org



514 Earth City Expressway
Suite 242
Earth City, MO 63045

REF CLR Subst.

DATE 01/02/19

PSF PSF PSF PSF PSF

DRWG BRCLBSUB0119

PSF PSF PSF PSF PSF

PSF PSF PSF PSF PSF

PSF PSF PSF PSF PSF

PSF PSF PSF PSF PSF

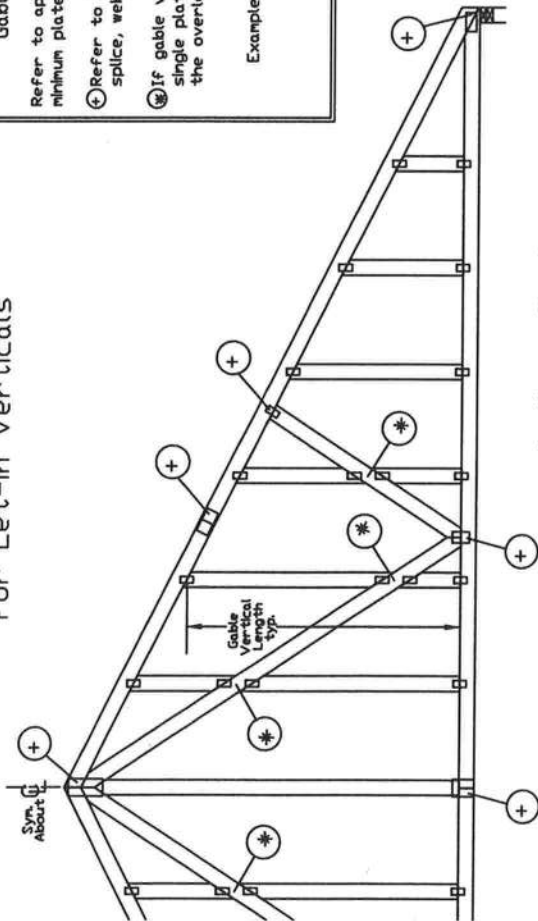
PSF PSF PSF PSF PSF

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Yoonhwak Kim, FL PE #86367

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

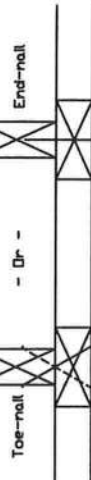
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ 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.



'T' Reinforcement Attachment Detail
'T' Reinforcing Member



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"x3"min) Nails at 4' o.c. plus

(4) toenails in the top and bottom chords.

Toenailed Nails:

10d Common (0.148"x3"min) Toenails at 4' o.c. plus

(4) toenails in the top and bottom chords.

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

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A11015051014, A10015051014, A14015051014,

A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A10015ENC100118,

A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118,

A11530ENC100118, A12030ENC100118, A14030ENC100118, A10030ENC100118,

A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118,

S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,

S18015ENC100118, S20015ENC100118, S22015ENC100118, S24015ENC100118,

S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,

S18030ENC100118, S20030ENC100118, S22030ENC100118, S24030ENC100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING BEFORE INSTALLING. Trusses require extreme care in fabricating, handling, shipping, bracing and bracing. Refer to and follow the latest edition of RCSI Guiding Component Safety Information, by TPI and RCSI for RCSI practices prior to performing these functions. Installers shall provide temporary bracing per RCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall be in accordance with RCSI. If not applicable, apply plates to each face of truss and position as shown above and on the sheet details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.

Alpine warrants that the truss is designed and manufactured in accordance with the engineering responsibility of the Building Designer per ANSI/TPI 1, Section 2.1.1.1.

For more information see this job's general notes page and these web pages: www.alphnet.com, www.tpi.com, www.rcsi.com, www.alphnet.com/TP1



514 Earth City Expressway
Suite 242
Earth City, MO 63045

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"



Yoonhwak Kim, FL PE #86367

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

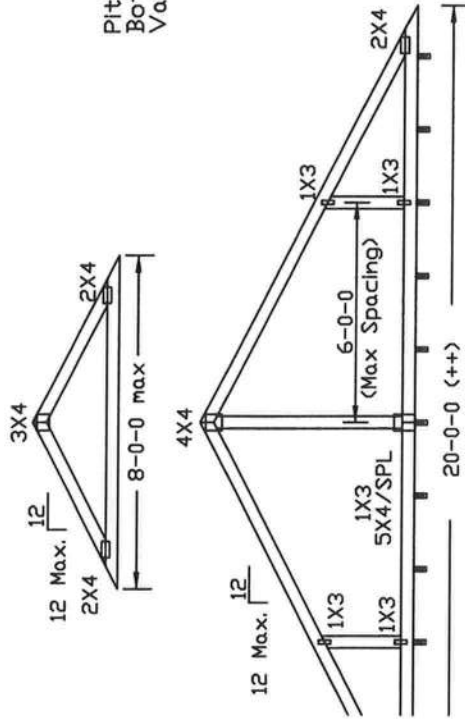
Top Chord 2x4 SP #2N, SPF #1/#2, DF-L #2 or better,
Bot Chord 2x4 SP #2N or SPF #1/#2 or better,
Webs 2x4 SP #3, SPF #1/#2, DF-L #2 or better.

*** 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.

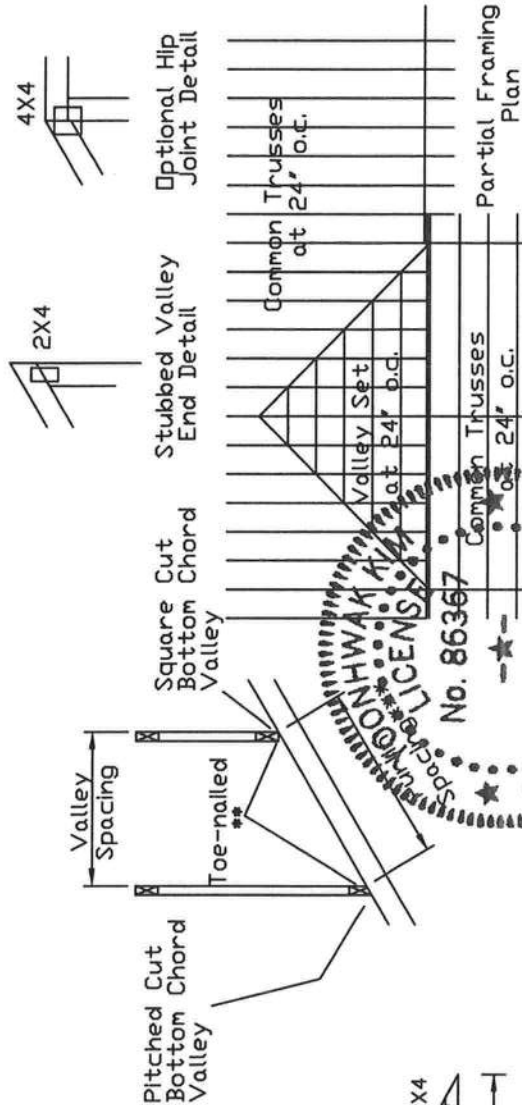
Top chord of truss beneath valley set must be braced with
properly attached, rated sheathing applied prior to valley truss
Installation.
Or

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".



Supporting trusses at 24' o.c. maximum spacing.

***VARIOUS 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 instructions on the Building Components Group Inc. (BCGI) website for safety
practices prior to performing these functions. In addition, the installer must follow the
practices 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 BCGI sections 33, 37 or 310, as applicable. Apply plates to each face
of truss and position as shown above and on the Joint Details. Refer to drawings 1004-2 for standard plate positions.
Refer to drawings 1004-2 for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from
the instructions on the Building Components Group Inc. (BCGI) website for safety practices prior to
installing a building component.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional
engineering responsibility for the design shown. The suitability and use of this drawing
for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

For more information see this job's general notes page and these web sites: www.alpineinc.com TPI www.tpi.com SDI www.sdi.com IBC www.icb.org
ALPINE www.alpineinc.com TPI www.tpi.com SDI www.sdi.com IBC www.icb.org



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

Yoonhwak Kim, FL PE #86367