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Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 22-7171
Job Description: Ronnie Robinson - Chad Strait Residence	
Address:	

Job Engineering Criteria:
Design Code: FBC 7th Ed. 2020 Res.
IntelliVIEW Version: 21.02.01
JRef #: 1Xe22150011
Wind Standard: ASCE 7-16 Wind Speed (mph): 130
Design Loading (psf): 40.00
Building Type: Closed

This package contains general notes pages, 41 truss drawing(s) and 8 detail(s).

Item	Drawing Number	Truss
1	082.22.0809.29153	A01
3	082.22.0809.23960	A03
5	082.22.0809.19670	A05
7	082.22.0808.14377	B01
9	082.22.0808.10793	B03
11	082.22.0807.39630	B05
13	082.22.0807.35840	B07
15	082.22.0806.34150	B09
17	082.22.0802.12727	B11
19	082.22.0801.50920	C01
21	082.22.0801.47147	C03
23	082.22.0801.28583	D01
25	082.22.0801.23980	E01
27	082.22.0801.14537	PB02
29	082.22.0801.11340	PB04
31	082.22.0801.03633	V02
33	082.22.0801.00733	V04
35	082.22.0800.57707	V06
37	082.22.0800.54830	V08
39	082.22.0800.51647	V10
41	082.22.0800.47580	V12
43	VALTN160118	
45	GBLLETIN0118	
47	A14015ENC160118	
49	CNNAILSP1014	

Item	Drawing Number	Truss
2	082.22.0809.25673	A02
4	082.22.0809.21643	A04
6	082.22.0809.16307	A06
8	082.22.0808.12467	B02
10	082.22.0807.45103	B04
12	082.22.0807.37703	B06
14	082.22.0806.36240	B08
16	082.22.0806.31477	B10
18	082.22.0801.54300	B12
20	082.22.0801.48800	C02
22	082.22.0801.40323	C04
24	082.22.0801.26420	D02
26	082.22.0801.16083	PB01
28	082.22.0801.12987	PB03
30	082.22.0801.06633	V01
32	082.22.0801.02103	V03
34	082.22.0800.59340	V05
36	082.22.0800.56060	V07
38	082.22.0800.53533	V09
40	082.22.0800.49923	V11
42	VAL180160118	
44	A14030ENC160118	
46	PB160160118	
48	BRCLBSUB0119	

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General Notes

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

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

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

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

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

Temporary Lateral Restraint and Bracing:

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

Permanent Lateral Restraint and Bracing:

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

Connector Plate Information:

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

Fire Retardant Treated Lumber:

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

General Notes (continued)

Key to Terms:

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

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

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

CL = Certified lumber.

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

FRT = Fire Retardant Treated lumber.

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

FRT-DC = Dricon Fire Retardant Treated lumber.

FRT-FP = FirePRO Fire Retardant Treated lumber.

FRT-FL = FlamePRO Fire Retardant Treated lumber.

FRT-FT = FlameTech Fire Retardant Treated lumber.

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

g = green lumber.

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

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

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

Ic = Incised lumber.

FJ = Finger Jointed lumber.

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

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

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

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

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

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

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

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

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

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

PP = Panel Point.

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

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

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

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

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

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

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

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

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

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

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

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

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

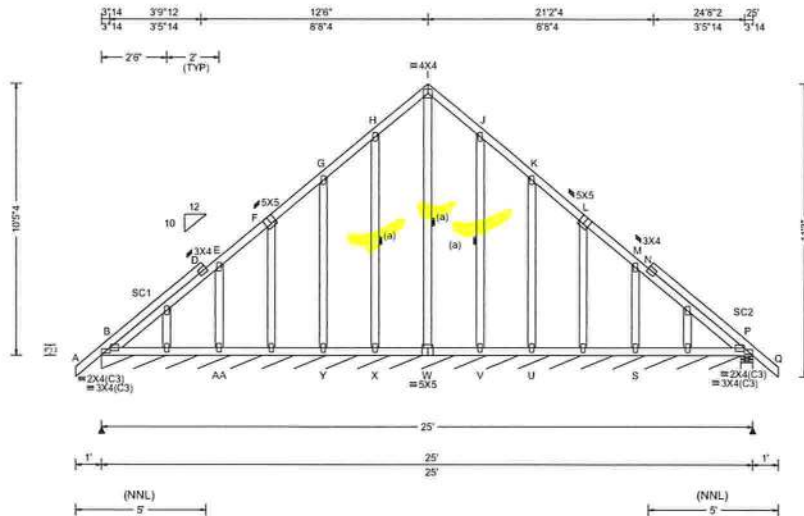
Refer to ASCE-7 for Wind and Seismic abbreviations.

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

References:

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; www.awc.org.
2. ICC: International Code Council; www.iccsafe.org.
3. Alpine, a division of ITW Building Components Group Inc.: 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.sbcacomponents.com.

SEQN: 82798 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: A01	Cust: R 215 JRef: 1Xe22150011 T6 DrwNo: 082.22.0809.29153 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 0.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 I 999 240 VERT(CL): 0.007 H 999 180 HORZ(LL): 0.015 N - - HORZ(TL): 0.018 N - - Creep Factor: 2.0 Max TC CSI: 0.718 Max BC CSI: 0.205 Max Web CSI: 0.289 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B* 191 /- /- /75 /40 /29 P 541 /- /- /261 /16 /- Wind reactions based on MWFRS B Brg Wid = 294 Min Req = - P Brg Wid = 5.5 Min Req = 1.5 (Truss) 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 - D 209 -387 H - I 554 -237 D - E 466 -483 I - J 542 -237 E - F 353 -400

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AA	538 -308	W - V	557 -305
AA - Y	551 -307	V - U	554 -303
Y - X	554 -306	U - S	551 -301
X - W	557 -305	S - P	536 -292

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.	Gables	Tens. Comp.
E - AA	360 -474	V - J	304 -508
G - Y	251 -400	U - K	253 -400
H - X	301 -508	S - M	360 -477
I - W	129 -558		



COA#0-278

03/23/2022

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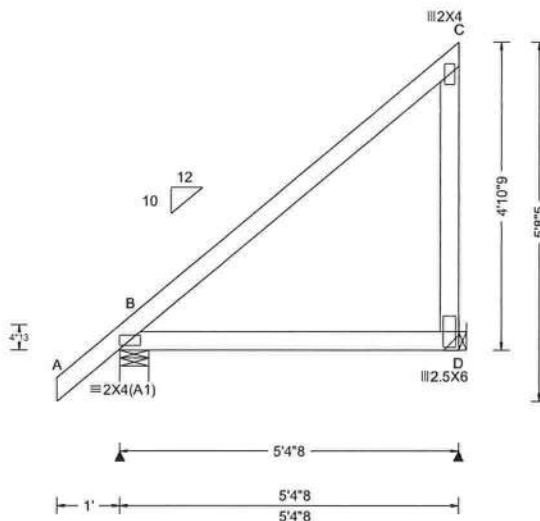
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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A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

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

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SEQN: 82719 FROM:	MONO Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: A02	Cust: R 215 JRef: 1Xe22150011 T10 DrwNo: 082.22.0809.25673 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B	318	/-	/-	/212	/-	/180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.006 B - -	D	216	/-	/-	/192	/98	/-
	EXP: C Kzt: NA		HORZ(TL): 0.012 B - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	D Brg Wid = 5.5 Min Req = 5.5						
NCBCLL: 10.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.704	D Brg Wid = - Min Req = -						
Soffit: 2.00	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.306	Bearing B is a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.097	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)								
	Loc. from endwall: Any	Plate Type(s):								
	GCpi: 0.18	WAVE	VIEW Ver: 21.02.01.1216.15							
	Wind Duration: 1.60									

Wind reactions based on MWFRS
B Brg Wid = 5.5 Min Req = 5.5
D Brg Wid = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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



COA#0-278

03/23/2022

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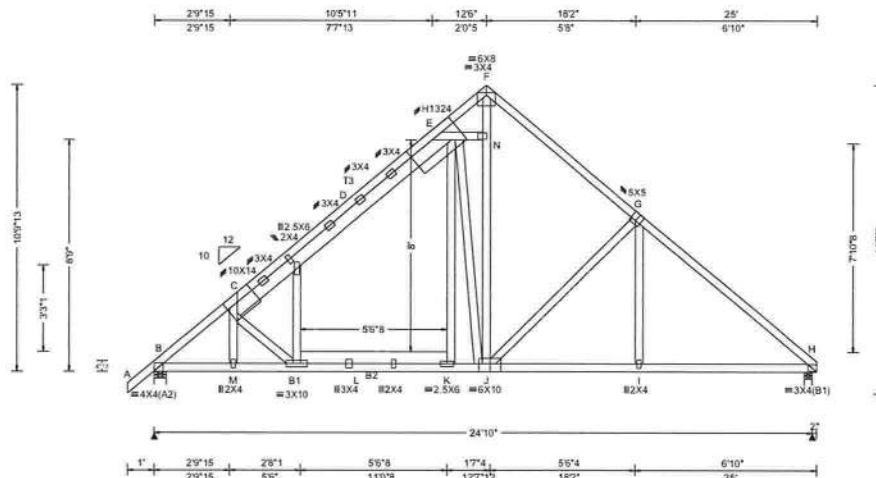
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SEQN: 82773 FROM:	COMN Qty: 1	Ply: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: A03	Cust: R 215 JRef: 1Xe22150011 T8 DrwNo: 082.22.0809.23960 KD / WHK 03/23/2022
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 10.00 BCCL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 36.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.151 L 999 240 VERT(CL): 0.324 L 915 180 HORZ(LL): 0.106 C - - HORZ(TL): 0.227 C - - Creep Factor: 2.0 Max TC CSI: 0.627 Max BC CSI: 0.419 Max Web CSI: 0.706 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2892 /- /- /- /395 /- H 2163 /- /- /- /310 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.5 (Truss) H Brg Wid = 3.5 Min Req = 1.5 (Truss) Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. C - D 1471 -169 E - F 135 -1083 B - C 244 -1908 F - G 165 -1147 D - C 2327 -275 G - H 220 -1441

Lumber

Top chord: 2x4 SP #2; T3 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP #2; B1 2x4 SP M-31;
B2 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 9.25" o.c.
Bot Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Loading

Attic room loading from 5-6-0 to 11-0-8: 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 and reactions based on MWFRS.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.



COA#0-278

03/23/2022

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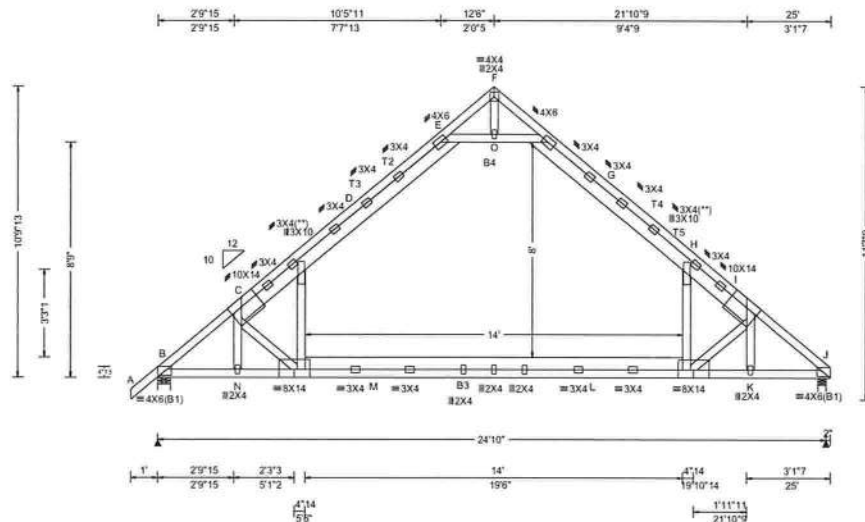
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SEQN: 82765 FROM:	COMN Qty: 5	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: A04	Cust: R 215 JRef: 1Xe22150011 T24 DrwNo: 082.22.0809.21643 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.603 O 491 240 VERT(CL): 1.065 O 278 180 HORZ(LL): 0.179 C - - HORZ(TL): 0.398 D - - Creep Factor: 2.0 Max TC CSI: 0.681 Max BC CSI: 0.850 Max Web CSI: 0.847 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1963 /- /- /701 /171 /343 J 1884 /- /- /637 /154 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 1.6 (Truss) J Brg Wid = 3.5 Min Req = 1.6 (Truss) 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. C - D 3713 -526 G - O 1594 -2535 B - C 366 -2532 H - I 3681 -536 D - C 5438 -822 I - J 382 -2522

Lumber

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; T3, T5 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B3 2x6 SP 2400f-2.0E;
B4 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

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

Loading

Attic room loading from 5-6-0 to 19-6-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Knee walls: 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.
Right cantilever is exposed to wind
Wind loading based on both gable and hip roof types.



COA#0-278

03/23/2022

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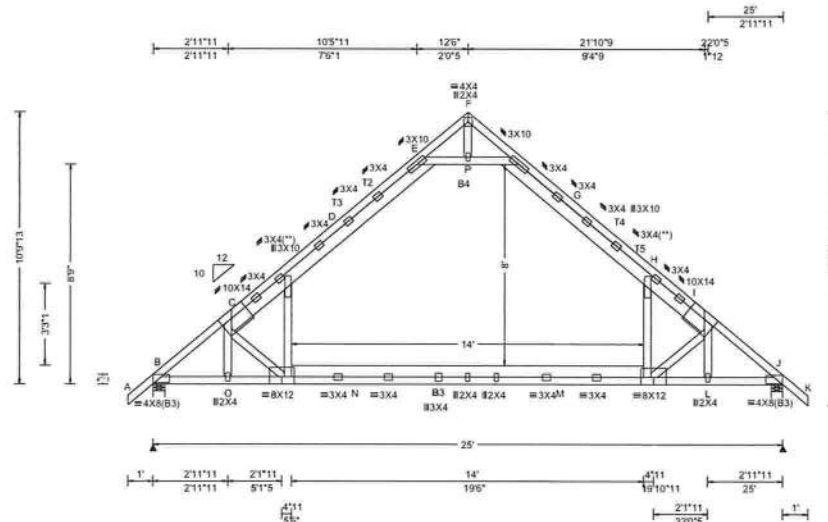
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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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SEQN: 82721 FROM:	COMN Qty: 7	Ply: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: A05	Cust: R 215 JRef: 1Xe22150011 T26 DrwNo: 082.22.0809.19670 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.19 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.604 P 490 240 VERT(CL): 1.065 P 278 180 HORZ(LL): 0.179 C - - HORZ(TL): 0.398 D - - Creep Factor: 2.0 Max TC CSI: 0.681 Max BC CSI: 0.850 Max Web CSI: 0.847 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1962 /- /- /701 /171 /359 J 1955 /- /- /701 /171 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 J Brg Wid = 5.5 Min Req = 1.6 (Truss) 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. C - D 3712 -527 G - P 1586 -2530 B - C 366 -2531 H - I 3678 -527 D - C 5438 -824 I - J 367 -2521

Lumber

Top chord: 2x4 SP #2; T2,T4 2x4 SP M-31; T3, T5 2x6 SP 2400f-2.0E;
Bot chord: 2x4 SP M-31; B3 2x6 SP 2400f-2.0E;
B4 2x4 SP #2;
Webs: 2x4 SP #3;

Plating Notes

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

Loading

Attic room loading from 5-6-0 to 19-6-0: Live Load: 40 PSF, Dead Load: 10 PSF Ceiling: 10 PSF, Knee walls: 10 PSF

Purlins

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

Wind

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



COA#0-278

03/23/2022

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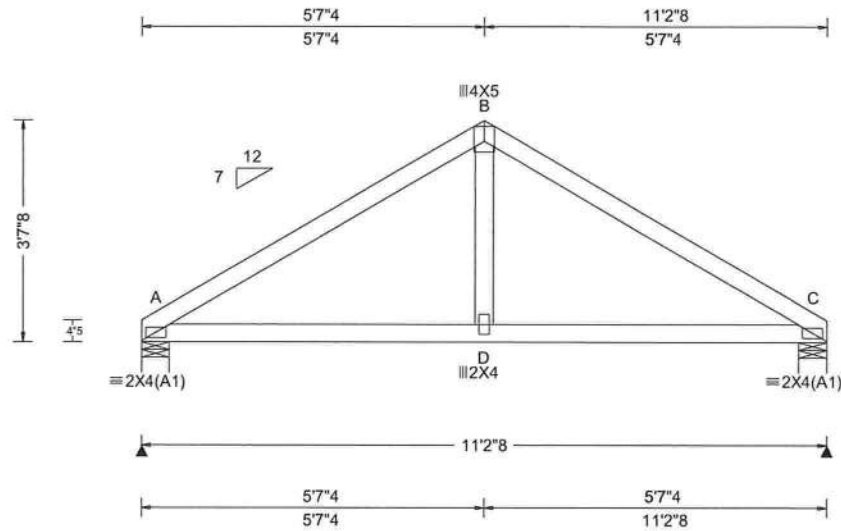
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

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SEQN: 82722 FROM:	COMN Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B01	Cust: R 215 JRef: 1Xe22150011 T22 DrwNo: 082.22.0808.14377 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 D 999 240 VERT(CL): 0.011 D 999 180 HORZ(LL): 0.003 A - - HORZ(TL): 0.006 A - - Creep Factor: 2.0 Max TC CSI: 0.303 Max BC CSI: 0.127 Max Web CSI: 0.097 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 466 /- /- /268 /75 /83 C 466 /- /- /247 /75 /- Wind reactions based on MWFRS A Brg Wid = 5.5 Min Req = 5.5 C Brg Wid = 5.5 Min Req = 1.5 Bearings A & C are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 343 -592 B - C 343 -592

Lumber

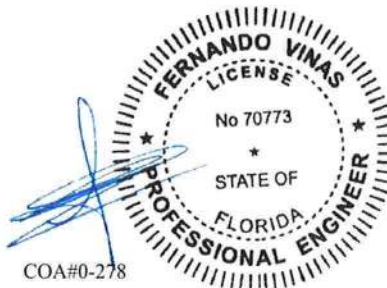
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31;
Webs: 2x4 SP #3;

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - D	447 -184	D - C	447 -184



COA#0-278

03/23/2022

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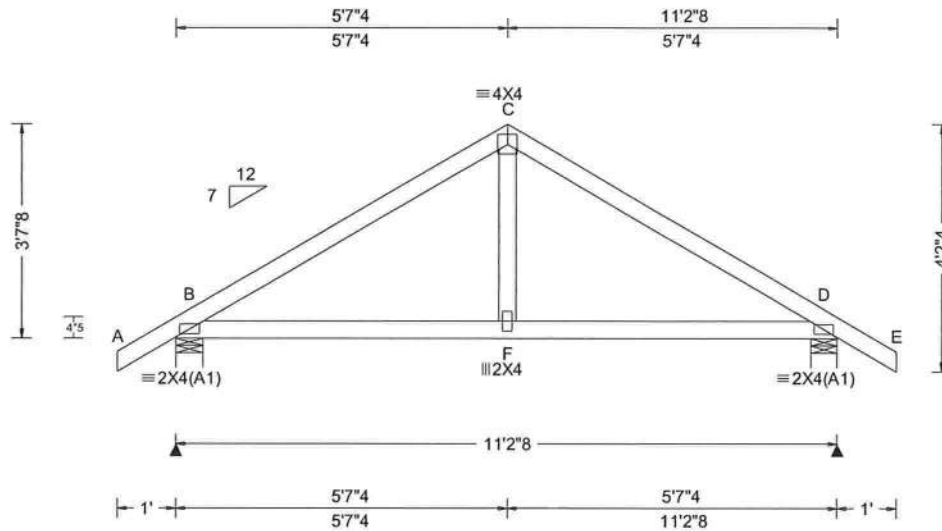
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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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SEQN: 82723 FROM:	COMN Qty: 2	Ply: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B02	Cust: R 215 JRef: 1Xe22150011 T21 DrwNo: 082.22.0808.12467 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 F 999 240 VERT(CL): 0.011 F 999 180 HORZ(LL): 0.003 B - - HORZ(TL): 0.005 B - - Creep Factor: 2.0 Max TC CSI: 0.288 Max BC CSI: 0.123 Max Web CSI: 0.095 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 534 /- /- /326 /92 /113 D 534 /- /- /326 /92 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 D Brg Wid = 5.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 322 -572 C - D 322 -572

Lumber

Top chord: 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.
Wind loading based on both gable and hip roof types.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - F	428 - 104	F - D	428 - 104



COA#0-278

03/23/2022

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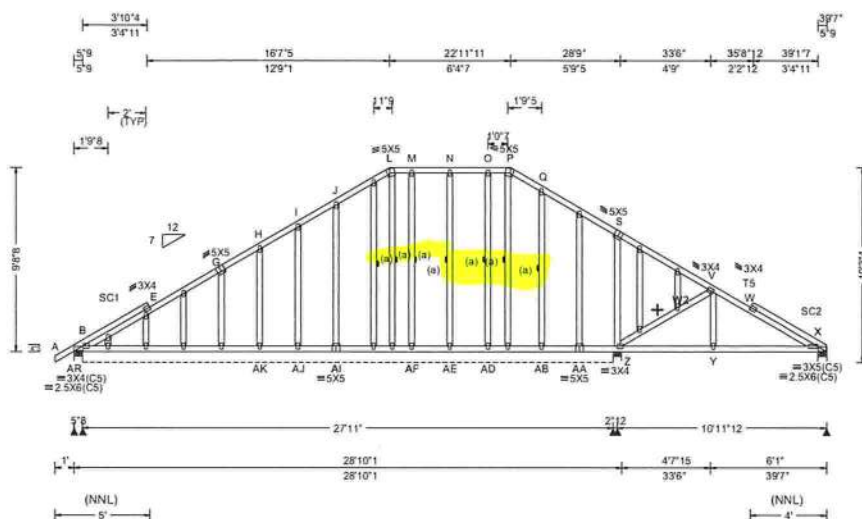
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Orlando FL, 32821

SEQN: 82724 FROM:	GABL Qty: 1	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B03	Cust: R 215 JRef: 1Xe22150011 T19 DrwNo: 082.22.0808.10793 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.058 W 999 240 VERT(CL): 0.141 W 895 180 HORZ(LL): -0.027 W - - HORZ(TL): 0.067 W - - Creep Factor: 2.0 Max TC CSI: 0.652 Max BC CSI: 0.388 Max Web CSI: 0.687 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL AR 374 -/- /- /259 /105 /159 B* 198 -/- /- /65 -/- /- Z 1273 -/- /- /474 -/- /- X 775 -/- /- /410 /66 /- Wind reactions based on MWFRS AR Brg Wid = 5.5 Min Req = 5.5 B Brg Wid = 335 Min Req = - Z Brg Wid = 5.5 Min Req = 1.5 X Brg Wid = 5.5 Min Req = 1.5 Bearings AR, B, Z, & X are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W2 2x4 SP #2;
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 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

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

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.



COA#0-278

03/23/2022

Chords	Tens.Comp.	Chords	Tens. Comp.
J - L	474 0	P - Q	459 0
L - M	429 0	S - V	375 -21
M - N	429 0	V - W	200 -680
N - O	429 0	W - X	304 -934
O - P	429 0		

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AK	418 -170	AD - AB	425 -190
AK - AJ	420 -175	AB - AA	423 -181
AJ - AI	422 -179	AA - Z	422 -178
AI - AF	426 -190	Z - Y	673 -6
AF - AE	422 -190	Y - X	675 -5
AE - AD	422 -190		

Webs	Tens.Comp.	Webs	Tens. Comp.
S - Z	291 -584	Z - V	534 -1075

Gables	Tens.Comp.	Gables	Tens. Comp.
H - AK	195 -375	N - AE	0 -510
I - AJ	189 -391	O - AD	0 -413
J - AI	211 -434	AB - Q	193 -447
M - AF	0 -407		

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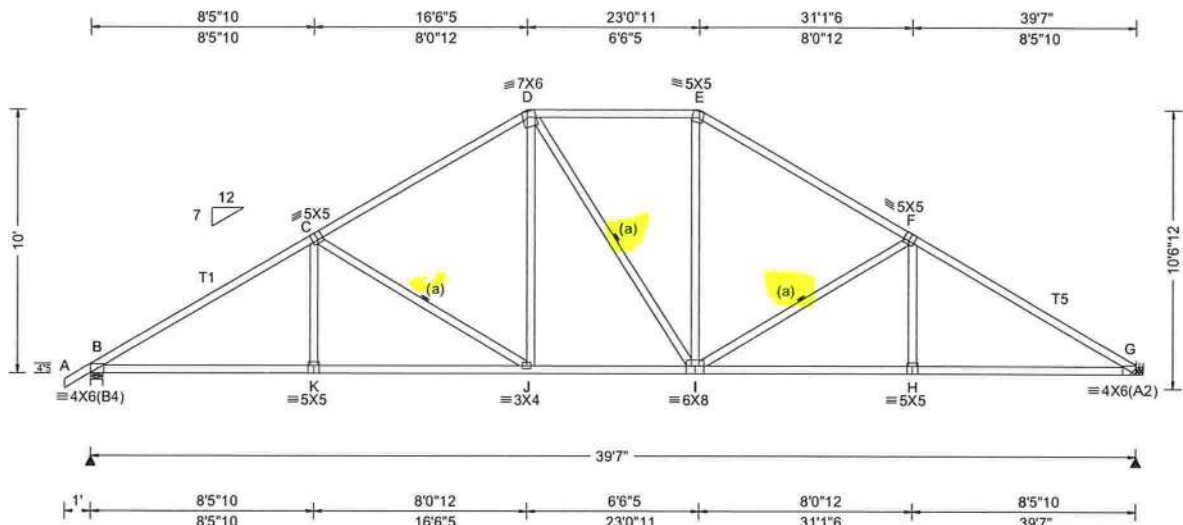
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SEQN: 82725 FROM:	COMN Qty: 12	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B04	Cust: R 215 JRef: 1Xe22150011 T29 DrwNo: 082.22.0807.45103 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.134 J 999 240 VERT(CL): 0.266 J 999 180 HORZ(LL): 0.071 G - - HORZ(TL): 0.141 G - - Creep Factor: 2.0 Max TC CSI: 0.785 Max BC CSI: 0.853 Max Web CSI: 0.340 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1786 /- /- /1029 /180 /281 G 1706 /- /- /970 /162 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 G Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 490 -2845 E - F 403 -2162 C - D 405 -2187 F - G 494 -2841 D - E 420 -1758

Lumber

Top chord: 2x4 SP #2; T1,T5 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

Loading

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

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.



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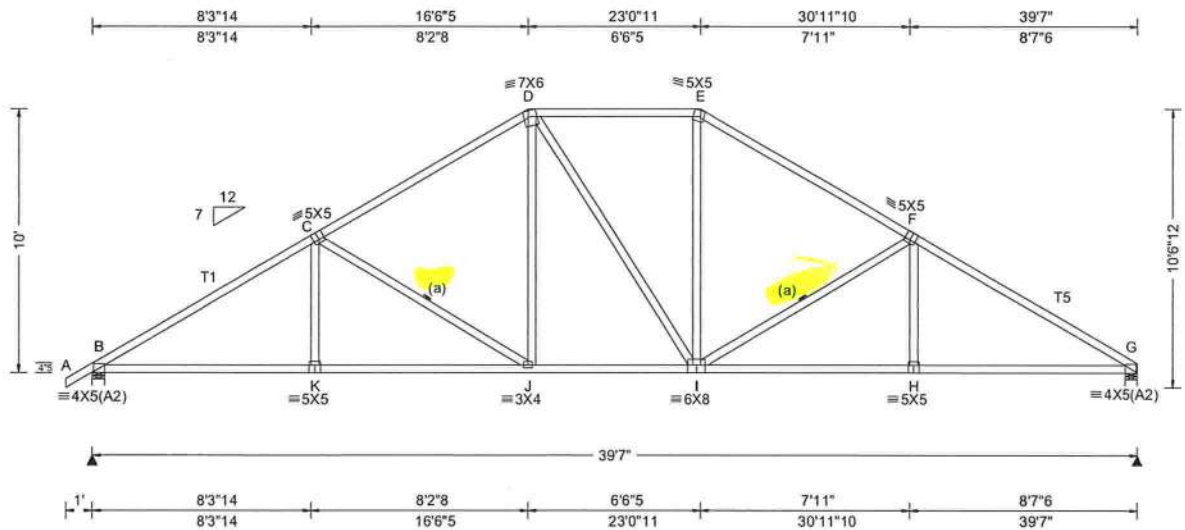
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82726 FROM:	COMM Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B05	Cust: R 215 JRef: 1X22150011 T11 DrwNo: 082.22.0807.39630 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.119 J 999 240 VERT(CL): 0.247 J 999 180 HORZ(LL): 0.065 G - - HORZ(TL): 0.134 G - - Creep Factor: 2.0 Max TC CSI: 0.776 Max BC CSI: 0.843 Max Web CSI: 0.420 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 1710 /- /- /1024 /294 /281 G 1640 /- /- /966 /276 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 G Brg Wid = 5.5 Min Req = 1.9 (Truss) Bearings B & 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 871 - 2701 E - F 799 - 2024 C - D 801 - 2030 F - G 874 - 2708 D - E 770 - 1638

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - K	2229 - 624	I - H	2234 - 629
K - J	2226 - 625	H - G	2236 - 628
J - I	1636 - 341		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
C - J	336 - 698	I - E	563 - 107
D - J	563 - 108	I - F	341 - 710



COA#0-278

03/23/2022

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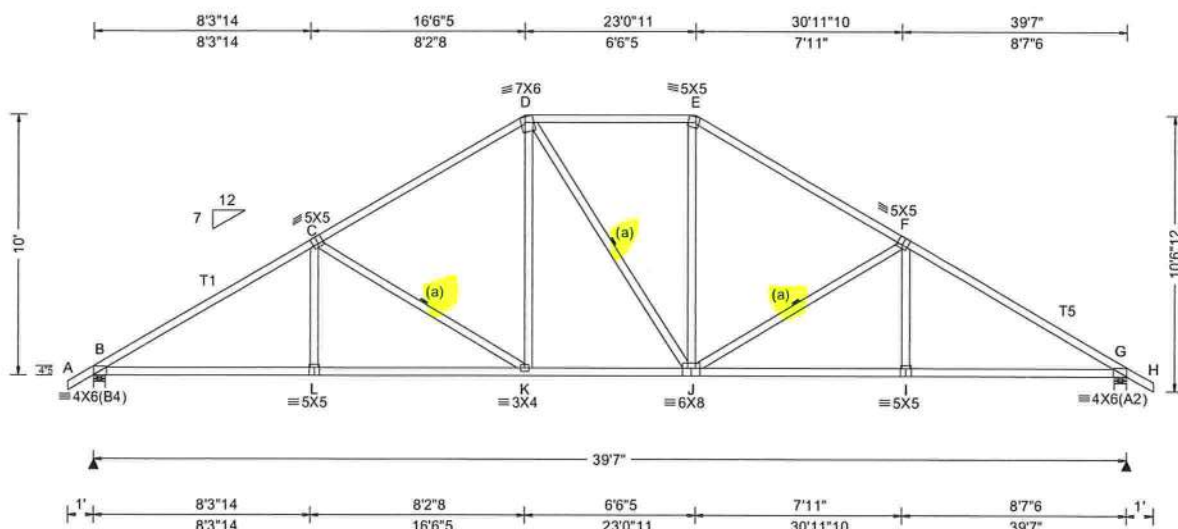
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82727	COMN	Ply: 1	Job Number: 22-7171	Cust: R 215 JRef: 1Xa22150011 T17
FROM:		Qty: 4	Ronnie Robinson - Chad Strait Residence	DrwNo: 082.22.0807.37703
			Truss Label: B06	KD / WHK 03/23/2022



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.134 K 999 240 VERT(CL): 0.266 K 999 180 HORZ(LL): 0.071 G - - HORZ(TL): 0.141 G - - Creep Factor: 2.0 Max TC CSI: 0.772 Max BC CSI: 0.838 Max Web CSI: 0.334 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1784 /- /- /1046 /132 /291 G 1776 /- /- /1008 /135 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 G Brg Wid = 5.5 Min Req = 2.1 (Truss) Bearings B & 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 370 - 2841 E - F 294 - 2157 C - D 284 - 2183 F - G 372 - 2826 D - E 266 - 1754

Lumber

Top chord: 2x4 SP #2; T1,T5 2x4 SP M-31;
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.

Purlins

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

Wind

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

Wind loading based on both gable and hip roof types.



COA#0-278

03/23/2022

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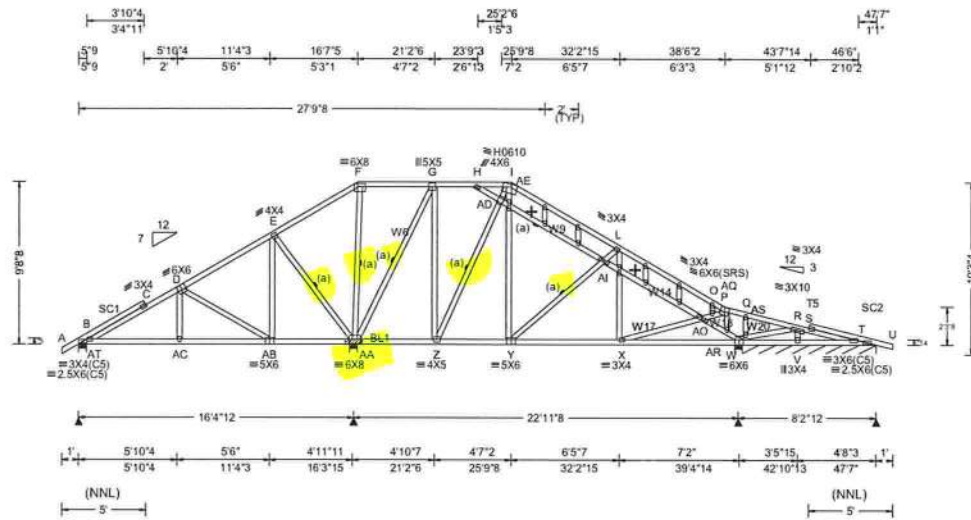
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 82728 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B07	Cust: R215 JRef: 1Xe22150011 T3 DrwNo: 082.22.0807.35840 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 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 7-16 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: 4.76 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.124 J 999 240 VERT(CL): 0.292 J 943 180 HORZ(LL): -0.035 K - - HORZ(TL): 0.082 K - - Creep Factor: 2.0 Max TC CSI: 0.603 Max BC CSI: 0.440 Max Web CSI: 0.830 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AT 866 -/- /- /507 /189 /563 AA 5375 -/- /- /2015 /1001 /- W 2098 -/- /- /1011 /430 /- T* 120 -/- /- /55 /33 /- Wind reactions based on MWFRS AT Brg Wid = 5.5 Min Req = 5.5 AA Brg Wid = 5.5 Min Req = - W Brg Wid = 5.5 Min Req = 2.5 T Brg Wid = 96.0 Min Req = - Bearings AT, AA, W, & W are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SP M-31; T5 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W6,W17,W18 2x4 SP M-31; W9,W14,
W20 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

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

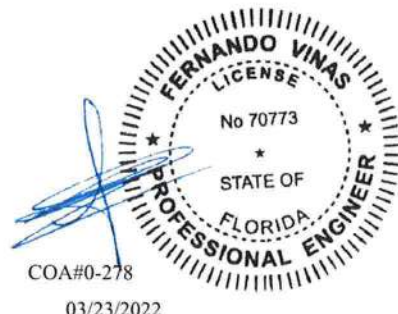
Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

Bearing Block(s)
Brg blocks: 0.128"x3", min. nails
brg x-loc #blocks length/blk #nails/blk wall plate
2 16.167' 1 12" 4 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CANNAILSP1014 for more information.

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.
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+ Member to be laterally braced for horizontal wind loads, bracing system to be designed and furnished by others.



COA#0-278
03/23/2022

Chords	Tens.Comp.	Chords	Tens. Comp.
B - C	287 -812	G - H	526 -180
C - D	300 -559	I - L	615 -1003
D - E	629 -77	L - O	657 -1644
E - F	1652 -106	O - P	401 -1353
F - G	1217 0		

Chords	Tens.Comp.	Chords	Tens. Comp.
B - AC	670 -352	Z - Y	762 0
AC-AB	666 -352	Y - X	1515 -184
AB-AA	513 -392	X - W	1098 -263
AA- Z	502 -159		

Webs	Tens.Comp.	Webs	Tens. Comp.
D - AB	495 -1014	AE - Y	712 -291
AB - E	565 -201	Y - AI	518 -987
E - AA	660 -1504	AI - L	495 -848
AA - F	343 -1550	X - AO	444 0
AA - G	948 -2842	AO - P	1760 -449
G - Z	1557 -406	AO-AR	549 -1325
Z - AD	497 -1673	P - AR	340 -1070
H - AD	233 -470	AR - W	740 -1926
AD - I	615 -1844	V - R	447 -489
AE - I	1114 -515		

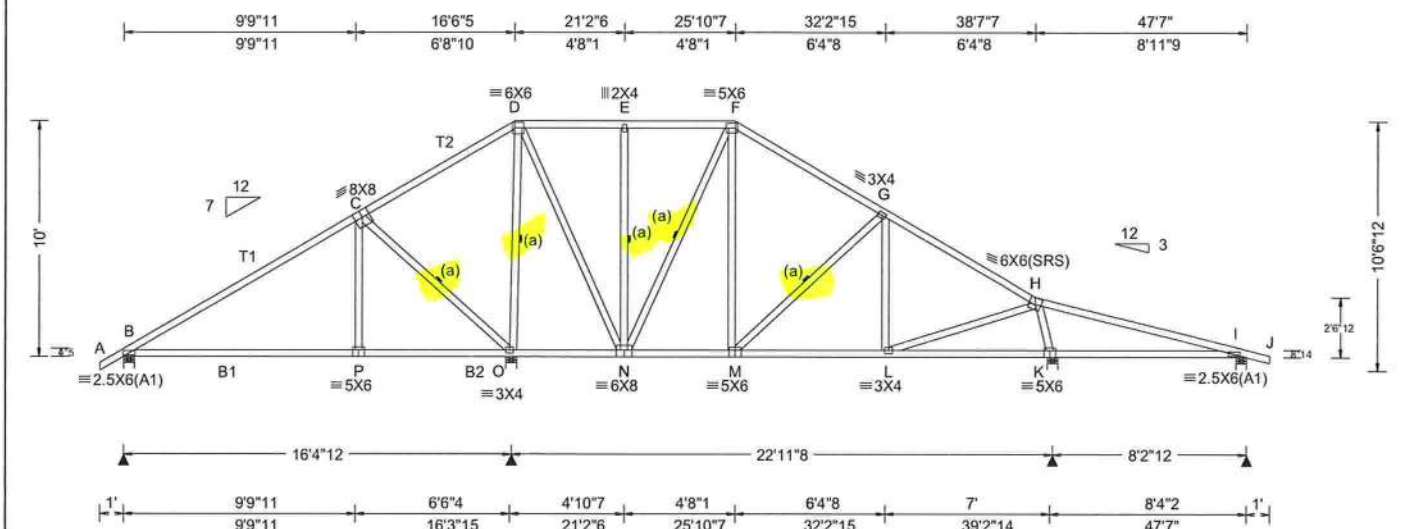
Gables	Tens.Comp.	Gables	Tens. Comp.
AQ - O	385 -862	AS - Q	343 -547

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82729 FROM:	COMN Qty: 7	Ply: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B08	Cust: R 215 JRef: 1X022150011 T35 DrwNo: 082.22.0806.36240 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCCL: 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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.76 ft Loc. from endwall: Any GCPI: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.079 I 999 240 VERT(CL): 0.151 I 653 180 HORZ(LL): 0.023 B - - HORZ(TL): 0.042 B - - Creep Factor: 2.0 Max TC CSI: 0.839 Max BC CSI: 0.694 Max Web CSI: 0.573 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 835 /- /- /493 /140 /284 O 1945 /- /- /942 /8 /- K 1434 /- /- /825 /156 /- I 392 /- /- /183 /88 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 O Brg Wid = 5.5 Min Req = 1.5 K Brg Wid = 5.5 Min Req = 1.7 I Brg Wid = 5.5 Min Req = 1.5 Bearings B, O, K, & I are a rigid surface. Members not listed have forces less than 375#

Lumber
Top chord: 2x4 SP #2; T1,T2 2x4 SP M-31;
Bot chord: 2x4 SP #2; B1,B2 2x4 SP M-31;
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.

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

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

Additional Notes
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COA#0-278

03/23/2022

Maximum Top Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
B - C	259 -911	F - G	241 -836	
D - E	219 -432	G - H	261 -1121	
E - F	219 -432			

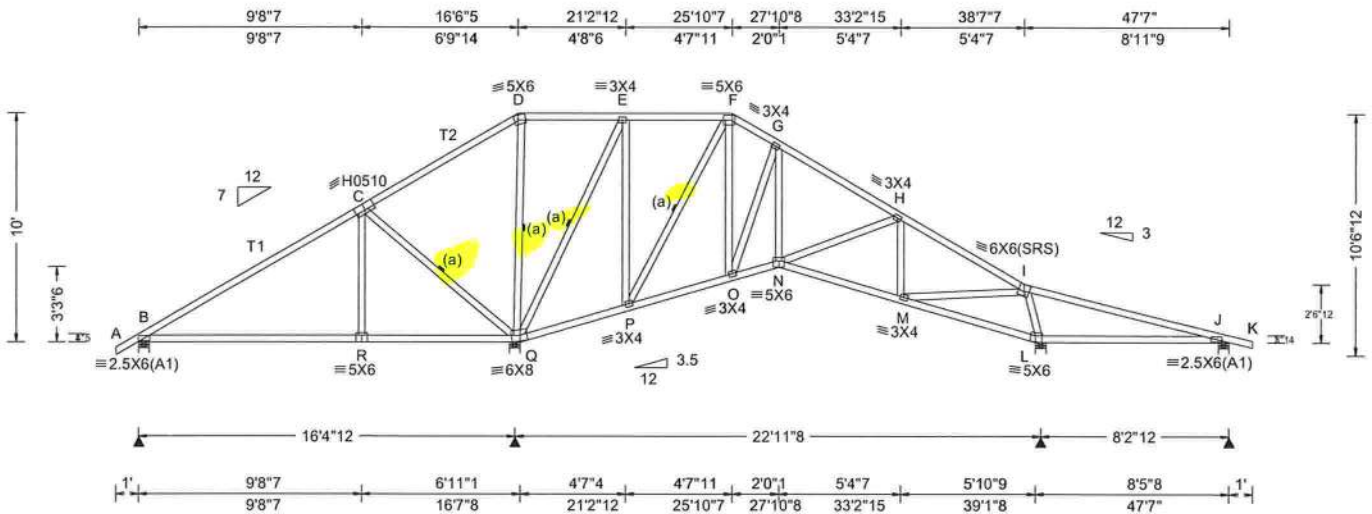
Maximum Bot Chord Forces Per Ply (lbs)				
Chords	Tens.Comp.	Chords	Tens. Comp.	
B - P	670 -141	N - M	631 0	
P - O	665 -142	M - L	873 0	

Maximum Web Forces Per Ply (lbs)				
Webs	Tens.Comp.	Webs	Tens. Comp.	
P - C	425 0	N - F	117 -466	
C - O	371 -938	F - M	442 -120	
O - D	0 -1149	L - H	730 0	
D - N	989 0	H - K	432 -1266	

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82730 FROM:	COMN Qty: 12	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B09	Cust: R 215 JRef: 1Xe22150011 T15 DrwNo: 082.22.0806.34150 KD / WHK 03/23/2022
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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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 4.76 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.079 J 999 240 VERT(CL): 0.155 J 641 180 HORZ(LL): 0.030 L - - HORZ(TL): 0.059 L - - Creep Factor: 2.0 Max TC CSI: 0.841 Max BC CSI: 0.842 Max Web CSI: 0.613 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 698 /- /- /374 /120 /282 Q 2164 /- /- /1147 /293 /- L 1197 /- /- /758 /213 /- J 379 /- /- /157 /78 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 Q Brg Wid = 5.5 Min Req = 2.6 (Truss) L Brg Wid = 5.5 Min Req = 1.5 J Brg Wid = 5.5 Min Req = 1.5 Bearings B, Q, L, & J are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord: 2x4 SP #2; T1, T2 2x4 SP M-31;
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.

Purlins

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

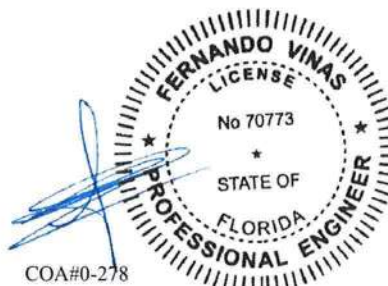
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

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COA#0-278

03/23/2022

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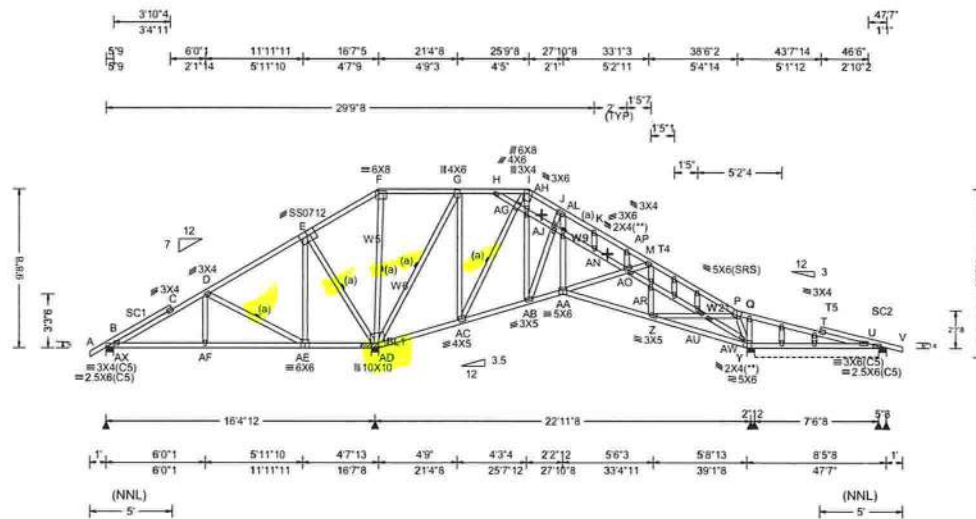
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ALPINE
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6750 Forum Drive
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SEQN: 82731	GABL	Ply: 1	Job Number: 22-7171	Cust: R 215 JRef: 1Xe22150011 T14
FROM:		Qty: 1	Ronnie Robinson - Chad Strait Residence	DrwNo: 082.22.0806.31477
Page 1 of 2			Truss Label: B10	KD / WHK 03/23/2022



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 7-16	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): 0.078 K 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCCL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.176 K 999 180	AX 632 - / - / - /440 /180 /563
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.041 Y - -	AD 5558 - / - / - /2139 /1011 -
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	Creep Factor: 2.0	Y 1837 - / - / - /1010 /378 -
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.622	Y* 81 - / - / - /36 /27 -
Soffit: 2.00	TCCL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.368	U 296 - / - / - /148 /136 -
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Varies by Ld Case	Max Web CSI: 0.833	Wind reactions based on MWFRS
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	FT/RT:20(0)/10(0)	VIEW Ver: 21.02.01.1216.15	AX Brg Wid = 5.5 Min Req = 5.5
	Loc. from endwall: Any	Plate Type(s):		AD Brg Wid = 5.5 Min Req = -
	GCpi: 0.18	WAVE, 18SS		Y Brg Wid = 5.5 Min Req = 2.2 (Truss)
	Wind Duration: 1.60			Y Brg Wid = 90.5 Min Req = -
				U Brg Wid = 5.5 Min Req = 1.5 (Truss)

Lumber
Top chord: 2x4 SP M-31; T4,T5 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3; W5,W6,W9 2x4 SP M-31;
W21 2x4 SP #2;
Stack Chord: SC1 2x4 SP #2;
Stack Chord: SC2 2x4 SP #2;

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

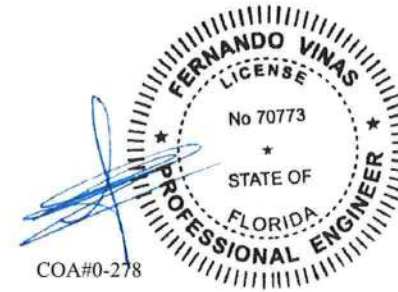
Plating Notes
All plates are 2X4 except as noted.
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

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

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

Bearing Block(s)
Brg blocks: 0.128"x3", min. nails
brg x-loc #blocks length/bk #nails/bk wall plate
2 16.167' 1 13" 8 Rigid Surface
Brg block to be same size and species as chord.
Refer to drawing CENAILSP1014 for more information.
+ Member to be laterally braced for horizontal wind loads. bracing system to be designed and furnished by others.



03/23/2022

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SEQN: 82731	GABL	Ply: 1	Job Number: 22-7171	Cust: R 215 JRef: 1Xe22150011 T14
FROM:		Qty: 1	Ronnie Robinson - Chad Strait Residence	DrwNo: 082.22.0806.31477
Page 2 of 2			Truss Label: B10	KD / WHK 03/23/2022

Additional Notes

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

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in 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.

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

AB-AJ	339 - 1162	AW- Y	642 - 1589
AJ- J	530 - 1318		

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.Comp.
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AR- Z	113 - 401
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COA#0-278

03/23/2022

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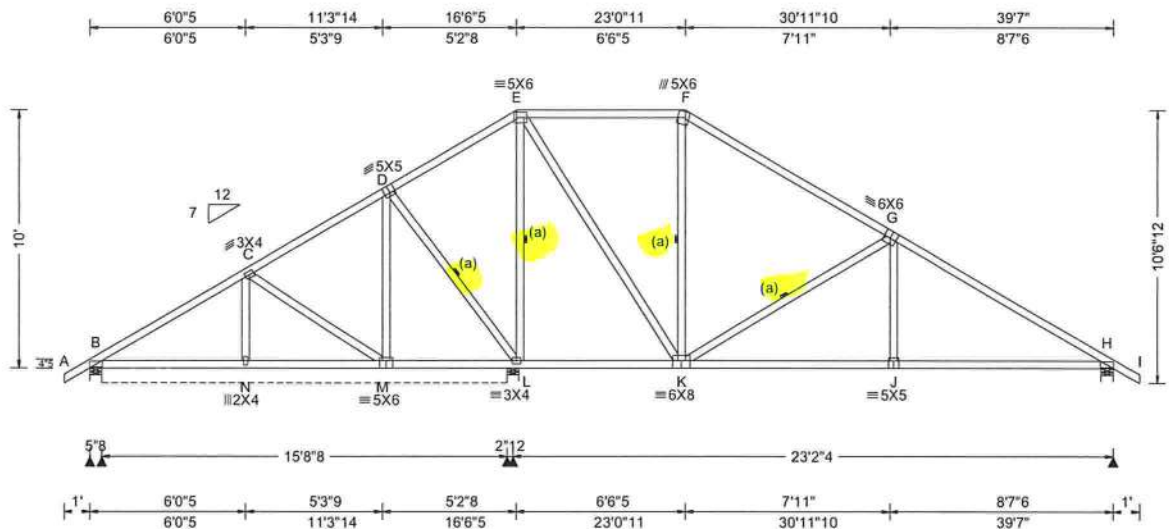
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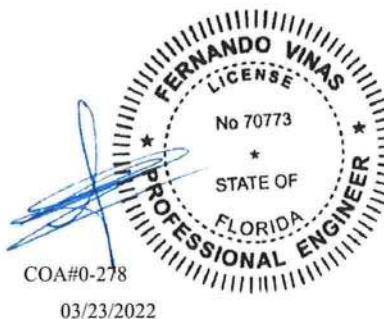
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82732 FROM:	COMN Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B11	Cust: R 215 JRef: 1Xe22150011 T20 DrwNo: 082.22.0802.12727 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.034 J 999 240 VERT(CL): 0.069 J 999 180 HORZ(LL): 0.013 H - - HORZ(TL): 0.027 H - - Creep Factor: 2.0 Max TC CSI: 0.806 Max BC CSI: 0.697 Max Web CSI: 0.767 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 379 /- /- /193 /86 /292 B* 45 /- /- /33 /8 /- L 1406 /- /- /753 /198 /- H 979 /- /- /665 /179 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 B Brg Wid = 188 Min Req = - L Brg Wid = 5.5 Min Req = 1.5 H Brg Wid = 5.5 Min Req = 1.5 Bearings B, B, L, & H 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;	Bracing (a) Continuous lateral restraint equally spaced on member.	Plating Notes All plates are 2.5X6(A1) except as noted.	Purlins In lieu of rigid ceiling use purlins to brace BC @ 24" oc.	Wind Wind loads based on MWFRS with additional C&C member design. Wind loading based on both gable and hip roof types. THIS TRUSS MUST BE INSTALLED AS SHOWN AND NOT END FOR END.
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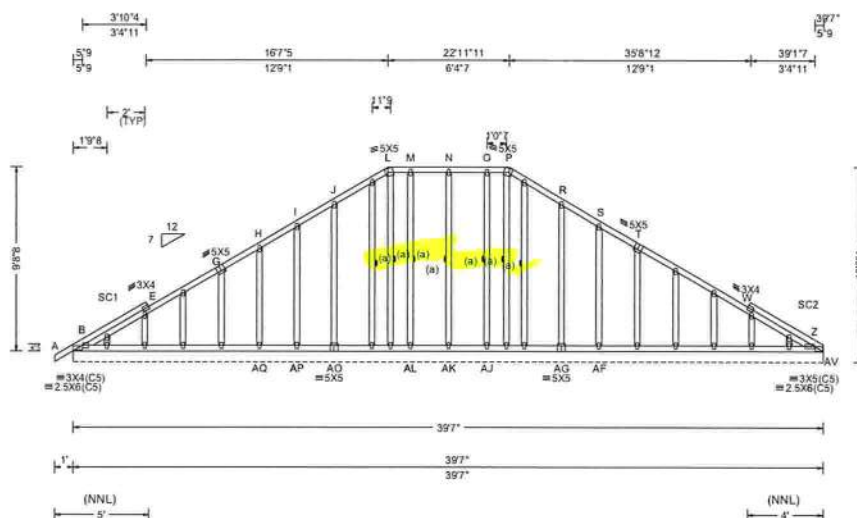


03/23/2022

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SEQN: 82733 FROM:	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: B12	Cust: R215 JRef: 1Xe22150011 T12 DrwNo: 082.22.0801.54300 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.96 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 N 999 240 VERT(CL): 0.008 N 999 180 HORZ(LL): 0.009 W - - HORZ(TL): 0.013 S - - Creep Factor: 2.0 Max TC CSI: 0.619 Max BC CSI: 0.089 Max Web CSI: 0.155 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL AV* 199 /- /- /70 /38 /14 Wind reactions based on MWFRS AV Brg Wid = 475 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. I - J 395 -137 N - O 535 -43 J - L 598 -120 O - P 536 -43 L - M 536 -43 P - R 598 -120 M - N 535 -43 R - S 395 -109

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

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

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

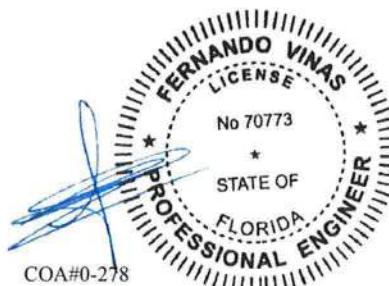
Purlins
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

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

Additional Notes
See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

Maximum Bot Chord Forces Per Ply (lbs)
Chords Tens. Comp. Chords Tens. Comp.
B - AQ 397 -330 AP-AO 399 -333
AQ-AP 398 -332

Maximum Gable Forces Per Ply (lbs)
Gables Tens. Comp. Gables Tens. Comp.
H - AQ 195 -375 N - AK 229 -479
I - AP 189 -391 O - AJ 149 -379
J - AO 211 -438 AG- R 211 -437
M - AL 149 -379 AF- S 191 -395



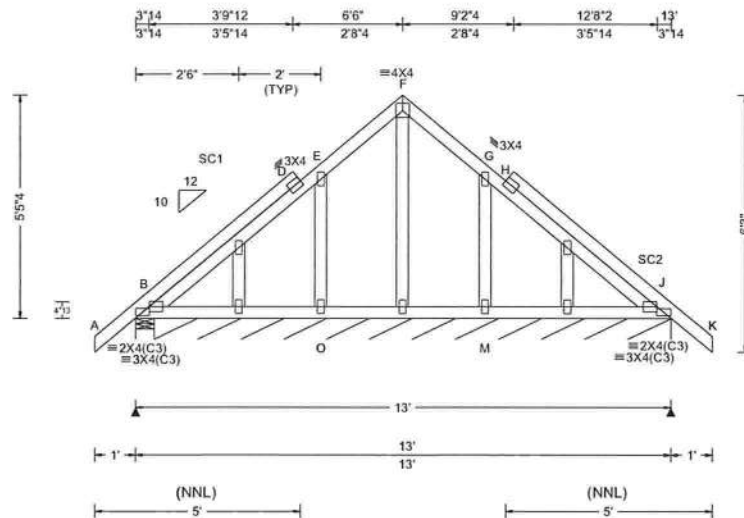
COA#0-278

03/23/2022

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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82734 FROM:	GABL Ply: 1 Qty: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: C01	Cust: R 215 JRef: 1Xe22150011 T5 DrwNo: 082.22.0801.50920 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.003 D 999 240 VERT(CL): 0.006 D 999 180 HORZ(LL): 0.006 H - - HORZ(TL): 0.007 H - - Creep Factor: 2.0 Max TC CSI: 0.720 Max BC CSI: 0.205 Max Web CSI: 0.133 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 507 /- /- /235 /134 /401 J* 161 /- /- /72 /45 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 J Brg Wid = 150 Min Req = - Bearings B & B are a rigid surface. Members not listed have forces less than 375# Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - O 395 -180 M - J 393 -171 O - M 400 -178

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

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

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



COA#0-278

03/23/2022

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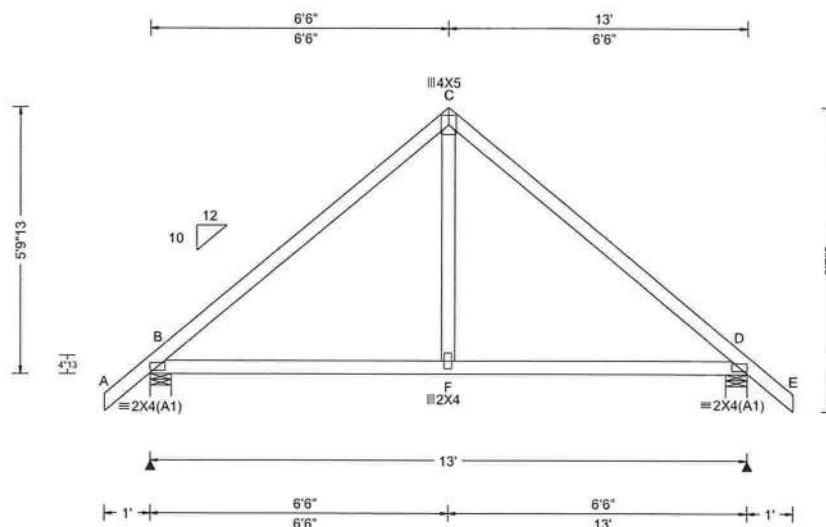
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82735 FROM:	COMN Qty: 6	Ply: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: C02	Cust: R 215 JRef: 1Xe22150011 T4 DrwNo: 082.22.0801.48800 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 D 999 240 VERT(CL): 0.007 F 999 180 HORZ(LL): 0.007 D - - HORZ(TL): 0.009 D - - Creep Factor: 2.0 Max TC CSI: 0.530 Max BC CSI: 0.401 Max Web CSI: 0.113 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 630 /- /- /397 /93 /208 D 630 /- /- /397 /93 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 D Brg Wid = 5.5 Min Req = 1.5 Bearings B & D are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 302 -604 C - D 302 -604

Lumber

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

Wind

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



COA#0-278

03/23/2022

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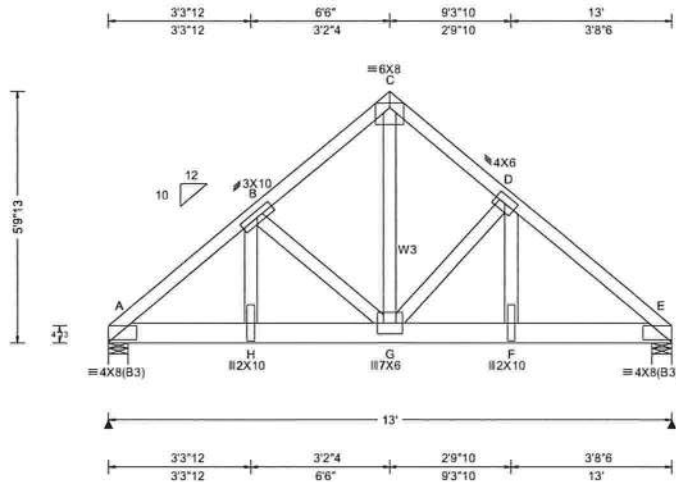
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For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbccomponents.com; ICC: iccsafe.org; AWC: awc.org

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

SEQN: 82782	COMN	Ply: 2	Job Number: 22-7171	Cust: R 215 JRef: 1Xe22150011 T23
FROM:		Qty: 1	Ronnie Robinson - Chad Strait Residence	DrwNo: 082.22.0801.47147
			Truss Label: C03	KD / WHK 03/23/2022

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.051 G 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.101 G 999 180	A 5696 /- /- /- /607 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 B - -	E 5528 /- /- /- /591 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.038 B - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Building Code:	Creep Factor: 2.0	A Brg Wid = 5.5 Min Req = 2.4 (Truss)
Soffit: 2.00	TCDL: 5.0 psf	FBC 7th Ed. 2020 Res.	Max TC CSI: 0.302	E Brg Wid = 5.5 Min Req = 2.3 (Truss)
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.389	Bearings A & E are a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.661	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	VIEW Ver: 21.02.01.1216.15	Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: Any	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE		A - B 389 - 3631 C - D 262 - 2414
	Wind Duration: 1.60			B - C 263 - 2419 D - E 366 - 3387

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at 0.00 to 66 plf at 13.00
BC: From 10 plf at 0.00 to 10 plf at 13.00
BC: 1706 lb Conc. Load at 1.81, 3.31, 5.31, 7.31
9.31, 11.31

Wind

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



COA#0-278

03/23/2022

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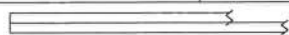
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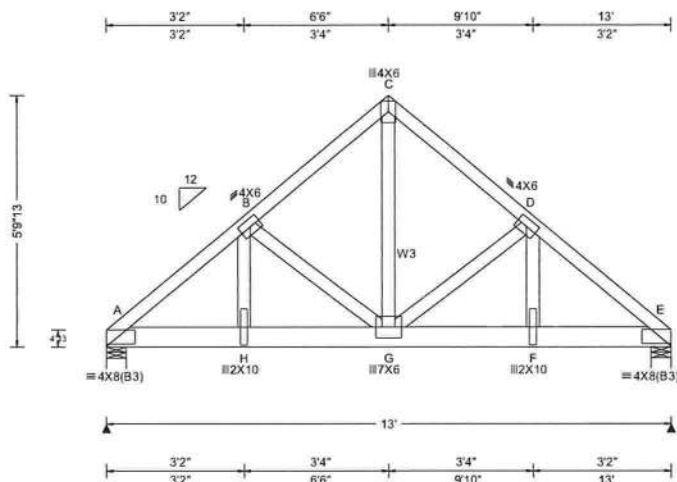
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
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SEQN: 82776 FROM:	COMN Ply: 2 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: C04	Cust: R 215 JRef: 1Xe22150011 T9 DrwNo: 082.22.0801.40323 KD / WHK 03/23/2022
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.050 G 999 240 VERT(CL): 0.099 G 999 180 HORZ(LL): 0.018 B - - HORZ(TL): 0.037 B - - Creep Factor: 2.0 Max TC CSI: 0.264 Max BC CSI: 0.331 Max Web CSI: 0.650 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL A 6065 /- /- /- /642 /- E 5159 /- /- /- /556 /- Wind reactions based on MWFRS A Brg Wid = 5.5 Min Req = 2.5 (Truss) E Brg Wid = 5.5 Min Req = 2.1 (Truss) 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 375 - 3484 C - D 261 - 2389 B - C 261 - 2390 D - E 369 - 3422

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W3 2x4 SP #2;

Nailnote

Nail Schedule: 0.128"x3", min. nails
Top Chord: 1 Row @ 12.00" o.c.
Bot Chord: 2 Rows @ 4.00" o.c. (Each Row)
Webs: 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 66 plf at 0.00 to 66 plf at 13.00
BC: From 10 plf at 0.00 to 10 plf at 13.00
BC: 1706 lb Conc. Load at 0.94, 2.94, 4.94, 6.94
8.94, 10.94

Wind

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



03/23/2022

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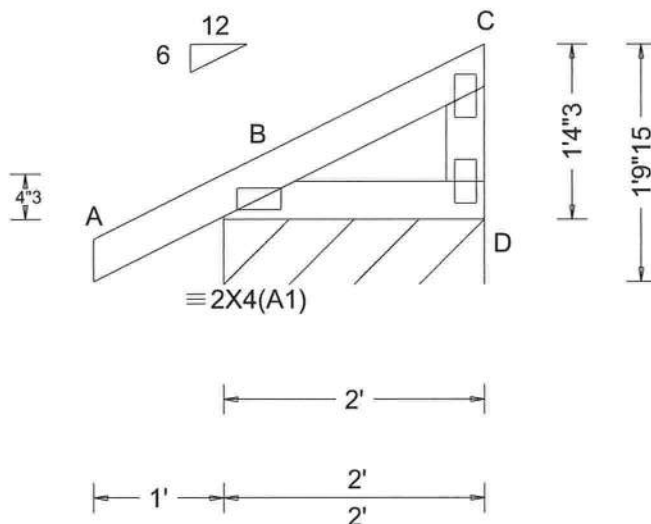
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

SEQN: 82736 FROM:	GABL Ply: 1 Qty: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: D01	Cust: R 215 JRef: 1Xe22150011 T1 DrwNo: 082.22.0801.28583 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.001 B - - HORZ(TL): 0.001 B - - Creep Factor: 2.0 Max TC CSI: 0.226 Max BC CSI: 0.056 Max Web CSI: 0.063 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 208 /- /- /144 /211 /122 Wind reactions based on MWFRS D Brg Wid = 24.0 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.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



03/23/2022

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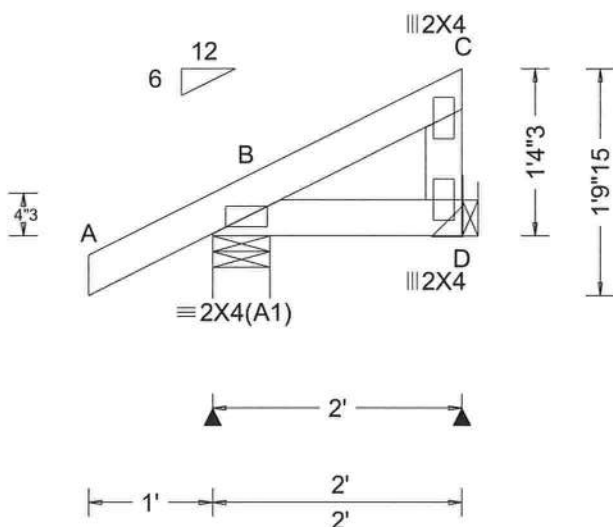
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82737 FROM:	MONO Ply: 1 Qty: 5	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: D02	Cust: R215 JRef: 1Xe22150011 T2 DrwNo: 082.22.0801.26420 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.000 B - - HORZ(TL): 0.000 B - - Creep Factor: 2.0 Max TC CSI: 0.113 Max BC CSI: 0.023 Max Web CSI: 0.030 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 179 /- /- /129 /27 /49 D 53 /- /- /35 /16 /- Wind reactions based on MWFRS B Brg Wid = 5.5 Min Req = 5.5 D Brg Wid = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



03/23/2022

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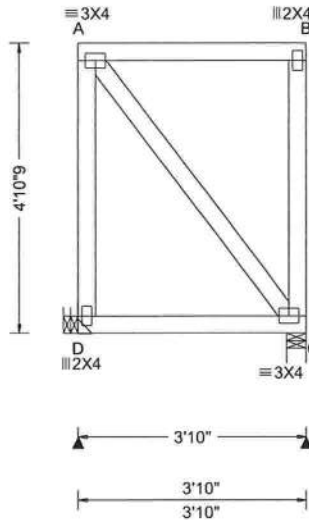
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82757 FROM:	FLAT Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: E01	Cust: R 215 JRef: 1Xe22150011 T18 DrwNo: 082.22.0801.23980 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 B 999 240 VERT(CL): 0.001 B 999 180 HORZ(LL): -0.001 A - - HORZ(TL): 0.001 A - - Creep Factor: 2.0 Max TC CSI: 0.289 Max BC CSI: 0.639 Max Web CSI: 0.049 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity D 262 /- /- /- /79 /- C 260 /- /- /- /78 /- Wind reactions based on MWFRS D Brg Wid = - Min Req = - C Brg Wid = 4.0 Min Req = 1.5 (Truss) Bearing C 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;

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 60 plf at 0.00 to 60 plf at 3.83
BC: From 20 plf at 0.00 to 20 plf at 3.83
BC: 216 lb Conc. Load at 1.90

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

Wind loads and reactions based on MWFRS.
End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



03/23/2022

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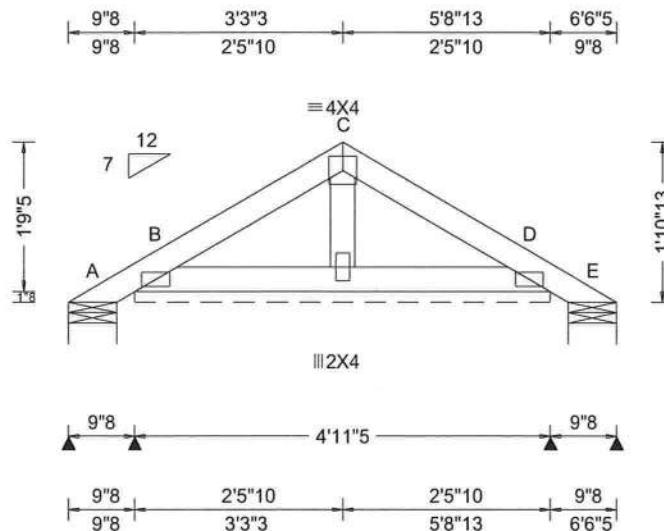
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82738 FROM:	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: PB01	Cust: R 215 JRef: 1Xe22150011 T25 DrwNo: 082.22.0801.16083 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.95 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.215 Max BC CSI: 0.112 Max Web CSI: 0.015 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity A - /-40 /- /60 /60 /94 B* 260 /- /- /94 /59 /- E - /-40 /- /13 /12 /- Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 5.5 B Brg Wid = 59.3 Min Req = - E Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



COA#0-278

03/23/2022

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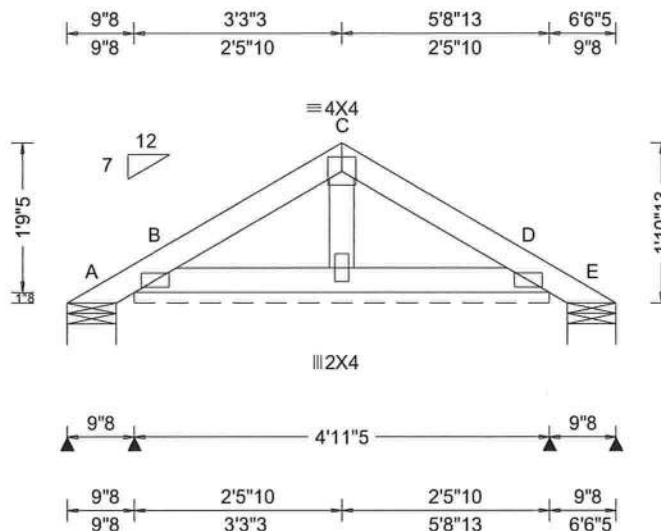
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. 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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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82739 FROM:	GABL Qty: 18	Ply: 1 Qty: 18	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: PB02	Cust: R 215 JRef: 1Xe22150011 T28 DrwNo: 082.22.0801.14537 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.95 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.003 D 999 180 HORZ(LL): 0.001 B - - HORZ(TL): 0.002 B - - Creep Factor: 2.0 Max TC CSI: 0.215 Max BC CSI: 0.112 Max Web CSI: 0.015 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A - /-40 /- /60 /60 /94 B* 260 /- /- /94 /59 /- E - /-40 /- /13 /12 /- Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 5.5 B Brg Wid = 59.3 Min Req = - E Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

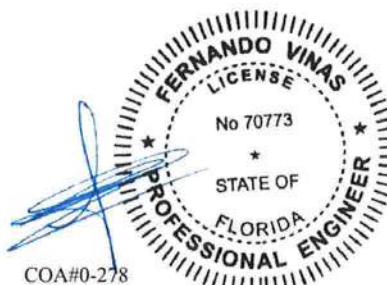
In lieu of rigid ceiling use purlins to brace BC @ 24" oc.

Wind

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

Additional Notes

See DWGS A14030ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.
Refer to DWG PB160160118 for piggyback details.



COA#0-278

03/23/2022

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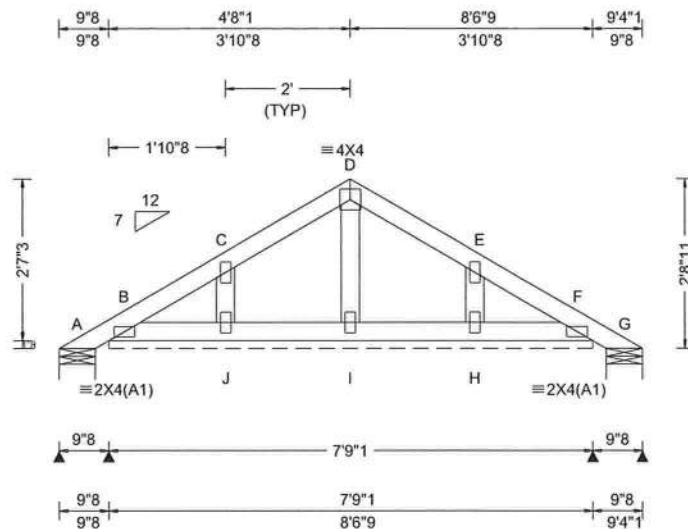
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82779 FROM:	GABL Qty: 2	Ply: 1 Qty: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: PB03	Cust: R 215 JRef: 1Xe22150011 T13 DrwNo: 082.22.0801.12987 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.36 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): -0.001 F 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): 0.002 F - - HORZ(TL): 0.002 F - - Creep Factor: 2.0 Max TC CSI: 0.129 Max BC CSI: 0.031 Max Web CSI: 0.124 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 26 /- /- /76 /69 /141 B* 161 /- /- /80 /98 /- G 26 /- /- /13 /20 /- J /-198 H /-198 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 1.5 (Truss) B Brg Wid = 93.1 Min Req = - G Brg Wid = 6.9 Min Req = 1.5 (Truss) Bearings A, B, & G are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

Refer to DWG PB160160118 for piggyback details.



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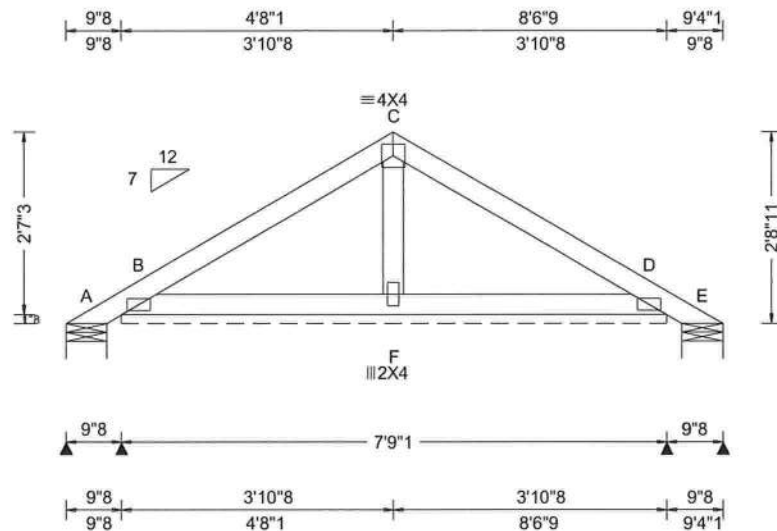
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SEQN: 82741 FROM:	GABL Qty: 19	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: PB04	Cust: R215 JRef: 1Xe22150011 T30 DrwNo: 082.22.0801.11340 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 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 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 21.36 ft TCDL: 5.0 psf BCDL: 2.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 D 999 240 VERT(CL): 0.009 D 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.006 D - - Creep Factor: 2.0 Max TC CSI: 0.627 Max BC CSI: 0.245 Max Web CSI: 0.024 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A - /-242 /- /135 /187 /144 B* 302 /- /- /104 /73 /- E - /-250 /- /86 /114 /- B /-187 D /-153 Wind reactions based on MWFRS A Brg Wid = 6.9 Min Req = 5.5 B Brg Wid = 93.1 Min Req = - E Brg Wid = 6.9 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

Truss designed to support 2-0-0 top chord outlookers and cladding load not to exceed 10.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

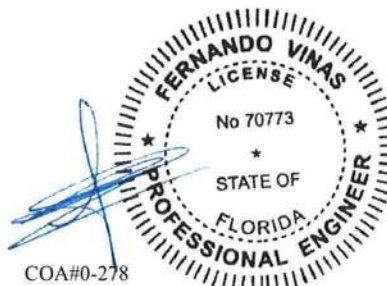
Wind loading based on both gable and hip roof types.

Additional Notes

Negative reaction(s) of -250# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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

Refer to DWG PB160160118 for piggyback details.



03/23/2022

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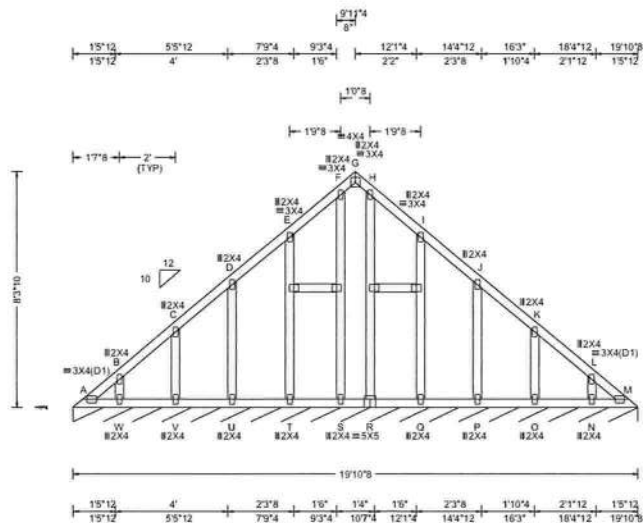
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SEQN: 82742 FROM:	VAL Qty: 1	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V01	Cust: R 215 JRef: 1Xe22150011 T37 DrwNo: 082.22.0801.06633 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.93 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.003 G 999 240 VERT(CL): 0.005 G 999 180 HORZ(LL): -0.004 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.084 Max BC CSI: 0.042 Max Web CSI: 0.093 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity M* 86 /- /- /48 /14 /12 Wind reactions based on MWFRS M Brg Wid = 238 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

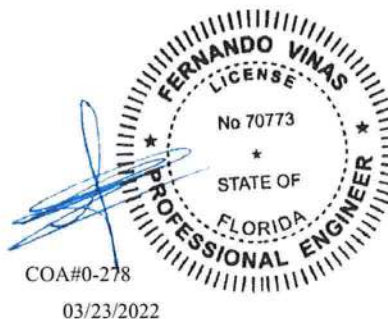
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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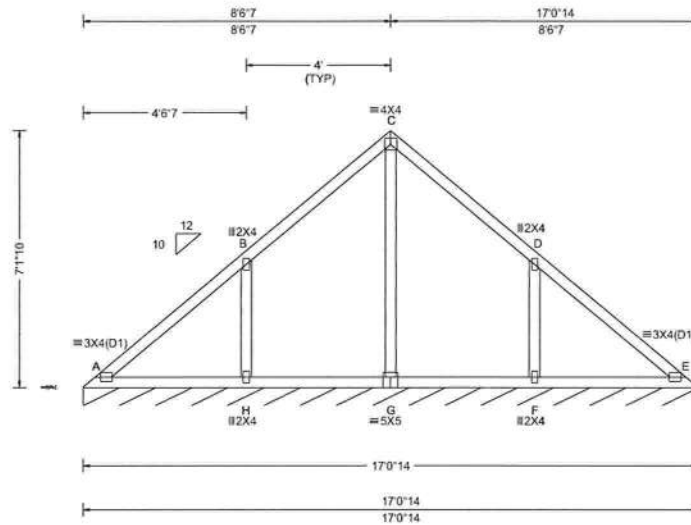
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SEQN: 82743 FROM:	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V02	Cust: R215 JRef: 1Xe22150011 T39 DrwNo: 082.22.0801.03633 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.52 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 E 999 240 VERT(CL): 0.013 E 999 180 HORZ(LL): -0.003 E - - HORZ(TL): 0.006 E - - Creep Factor: 2.0 Max TC CSI: 0.311 Max BC CSI: 0.176 Max Web CSI: 0.239 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL E* 86 /- /- /47 /14 /12 Wind reactions based on MWFRS E Brg Wid = 204 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 397 -321 F - D 397 -321

Lumber

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

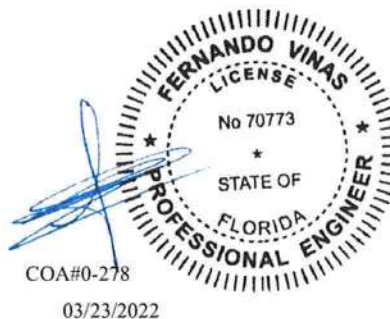
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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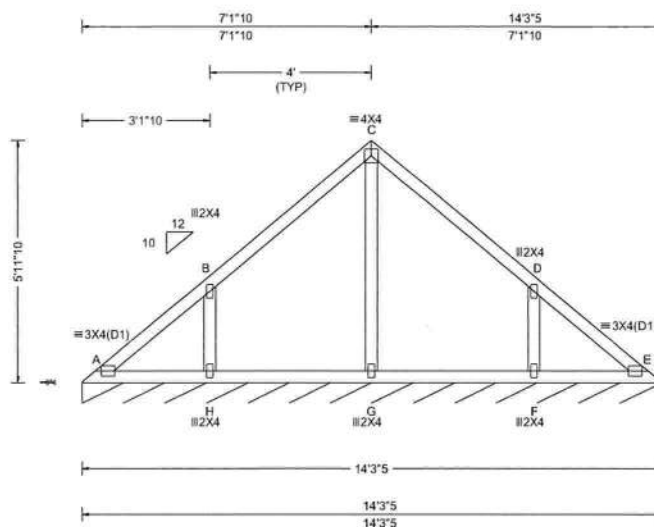
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82744 FROM:	VAL Qty: 1	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V03	Cust: R 215 JRef: 1Xe22150011 T43 DrwNo: 082.22.0801.02103 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.10 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 E 999 240 VERT(CL): 0.003 E 999 180 HORZ(LL): -0.002 B - - HORZ(TL): 0.003 B - - Creep Factor: 2.0 Max TC CSI: 0.279 Max BC CSI: 0.109 Max Web CSI: 0.120 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 86 /- /- /47 /15 /12 Wind reactions based on MWFRS E Brg Wid = 171 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. B - H 395 -281 F - D 396 -281

Lumber

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

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



03/23/2022

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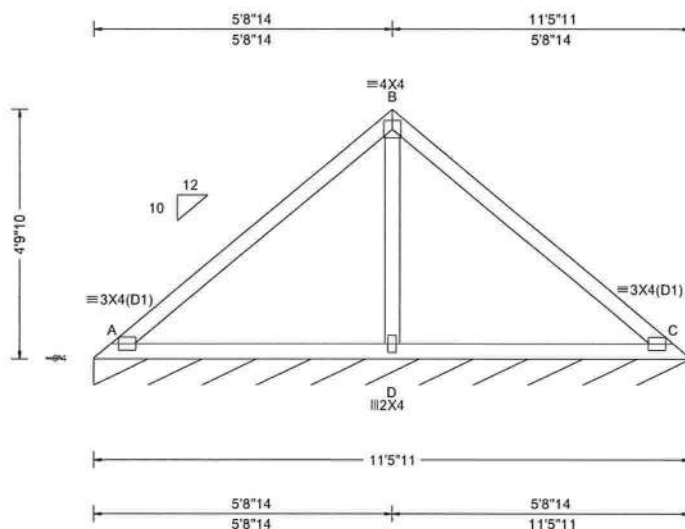
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 82745 FROM:	VAL Qty: 1	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V04	Cust: R 215 JRef: 1Xe22150011 T41 DrwNo: 082.22.0801.00733 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 18.68 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.016 A 999 240 VERT(CL): 0.035 A 999 180 HORZ(LL): -0.010 C - - HORZ(TL): 0.021 C - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.412 Max Web CSI: 0.273 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL C* 86 /- /- /47 /15 /12 Wind reactions based on MWFRS C Brg Wid = 137 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 392 -310 B - C 392 -321 Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - D 399 -226 D - C 399 -226 Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 625 -682

Lumber

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

Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



COA#0-278

03/23/2022

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

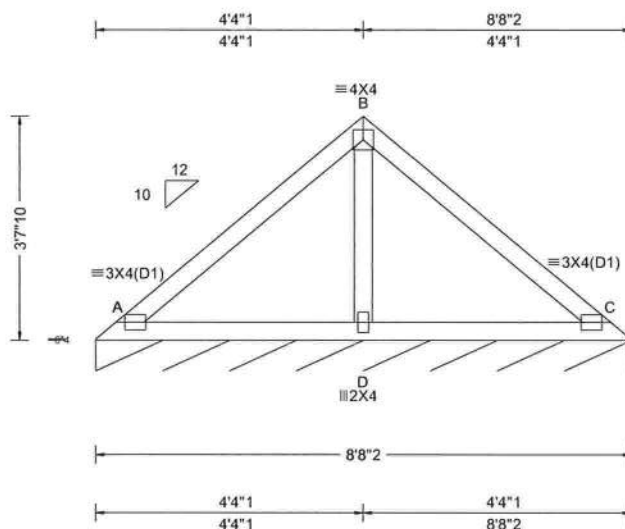
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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6750 Forum Drive
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SEQN: 82746 FROM:	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V05	Cust: R 215 JRef: 1Xe22150011 T38 DrwNo: 082.22.0800.59340 KD / WHK 03/23/2022
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)			Defl/CSI Criteria			▲ Maximum Reactions (lbs), or *=PLF						
TCLL:	20.00	Wind Std:	ASCE 7-16	Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#			Gravity			Non-Gravity			
TCDL:	10.00	Speed:	130 mph	Pf: NA		Ce: NA	VERT(LL): 0.007 A 999 240			Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL:	0.00	Enclosure:	Closed	Lu: NA	Cs: NA		VERT(CL): 0.015 A 999 180			C*	86	/-	/-	/46	/15	/12
BCDL:	10.00	Risk Category:	II	Snow Duration: NA			HORZ(LL): -0.004 C - -			Wind reactions based on MWFRS						
Des Ld:	40.00	EXP: C	Kzt: NA	Building Code:			HORZ(TL): 0.009 C - -			C Brg Wid = 104 Min Req = -						
NCBCLL:	10.00	Mean Height:	19.27 ft	FBC 7th Ed. 2020 Res.			Creep Factor: 2.0			Bearing A is a rigid surface.						
Soffit:	2.00	TCDL:	5.0 psf	TPI Std: 2014			Max TC CSI: 0.342			Members not listed have forces less than 375#						
Load Duration:	1.25	BCDL:	5.0 psf	Rep Fac: Yes			Max BC CSI: 0.222			Maximum Web Forces Per Ply (lbs)						
Spacing:	24.0 "	MWFRS Parallel Dist:	0 to h/2	FT/RT:20(0)/10(0)			Max Web CSI: 0.132			Webs	Tens.Comp.					
		C&C Dist a:	3.00 ft	Plate Type(s):			VIEW Ver: 21.02.01.1216.15			B - D	443 -435					
		Loc. from endwall:	Any	WAVE												
		GCpi:	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.

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



03/23/2022

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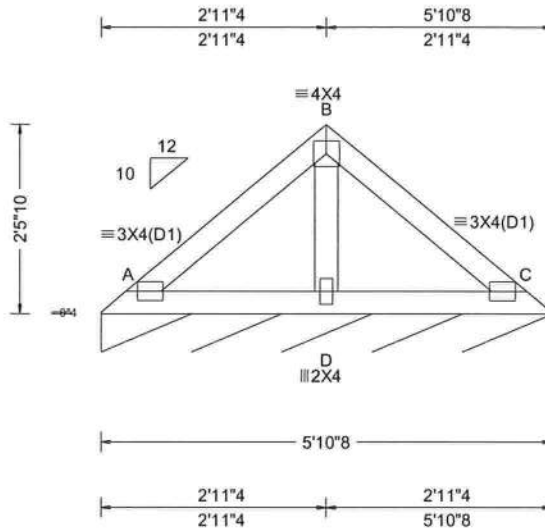
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6750 Forum Drive
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SEQN: 82747 FROM:	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V06	Cust: R 215 JRef: 1Xe22150011 T42 DrwNo: 082.22.0800.57707 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 19.85 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.002 A 999 240 VERT(CL): 0.005 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.003 C - - Creep Factor: 2.0 Max TC CSI: 0.157 Max BC CSI: 0.102 Max Web CSI: 0.079 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /45 /14 /11 Wind reactions based on MWFRS C Brg Wid = 70.5 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

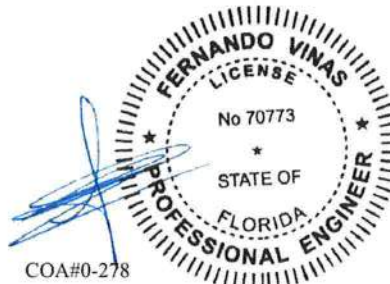
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



COA#0-278

03/23/2022

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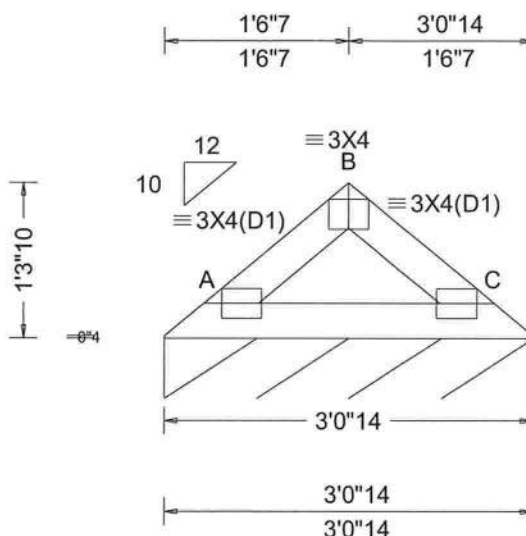
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ALPINE
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SEQN: 82748 FROM:	VAL	Ply: 1 Qty: 1	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V07	Cust: R215 JRef: 1Xe22150011 T40 DrwNo: 082.22.0800.56060 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 20.43 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 A 999 240 VERT(CL): 0.002 A 999 180 HORZ(LL): -0.001 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.040 Max BC CSI: 0.057 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 85 /- /- /42 /10 /9 Wind reactions based on MWFRS C Brg Wid = 36.9 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;

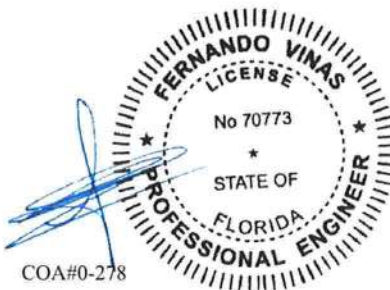
Wind

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

Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



03/23/2022

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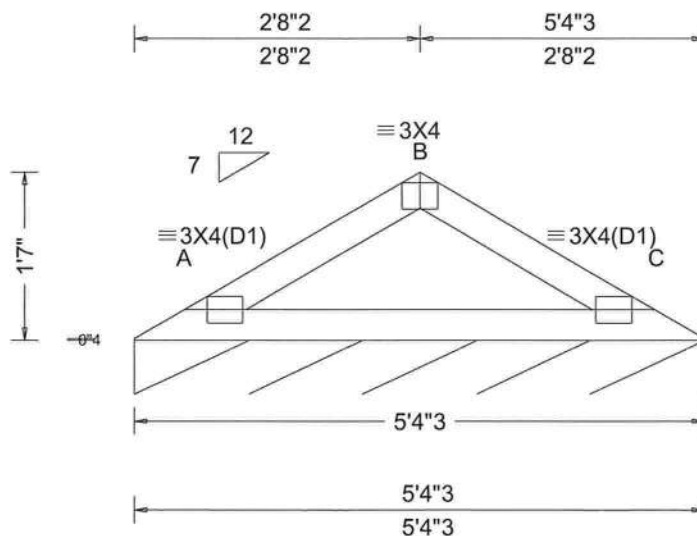
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Orlando FL, 32821

SEQN: 82749 FROM:	VAL Qty: 1	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V08	Cust: R215 JRef: 1Xe22150011 T27 DrwNo: 082.22.0800.54830 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.008 A 999 240 VERT(CL): 0.015 A 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.135 Max BC CSI: 0.162 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.15	Gravity Loc R+ / R- / Rh / Rw / U / RL C* 83 /- /- /40 /8 /6 Non-Gravity Wind reactions based on MWFRS C Brg Wid = 64.2 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;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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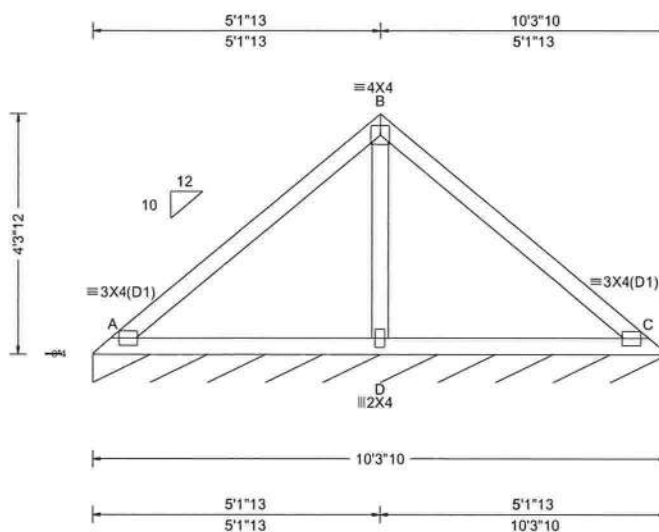
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SEQN: 82750	VAL	Ply: 1 Qty: 2	Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V09	Cust: R 215 JRef: 1Xa22150011 T34 DrwNo: 082.22.0800.53533 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCCL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCCL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.012 A 999 240 VERT(CL): 0.025 A 999 180 HORZ(LL): -0.007 C - - HORZ(TL): 0.015 C - - Creep Factor: 2.0 Max TC CSI: 0.436 Max BC CSI: 0.326 Max Web CSI: 0.189 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /47 /10 /11 Wind reactions based on MWFRS C Brg Wid = 123 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375# Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. B - D 515 -572

Lumber

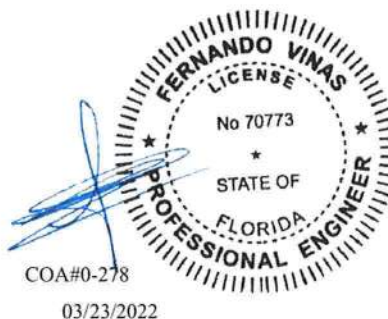
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



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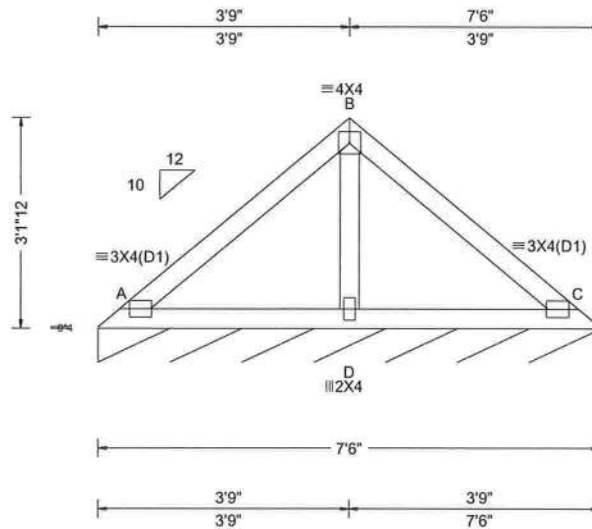
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Orlando FL, 32821

SEQN: 82751 FROM:	VAL Qty: 2	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V10	Cust: R 215 JRef: 1Xe22150011 T32 DrwNo: 082.22.0800.51647 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.005 A 999 240 VERT(CL): 0.010 A 999 180 HORZ(LL): -0.003 C - - HORZ(TL): 0.006 C - - Creep Factor: 2.0 Max TC CSI: 0.245 Max BC CSI: 0.159 Max Web CSI: 0.103 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 86 /- /- /46 /9 /11 Wind reactions based on MWFRS C Brg Wid = 90.0 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

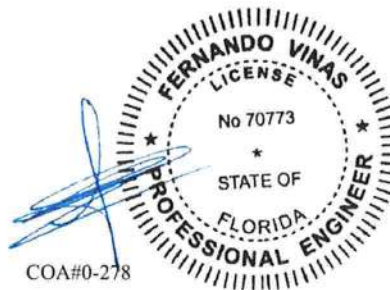
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2;
Webs: 2x4 SP #3;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



03/23/2022

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

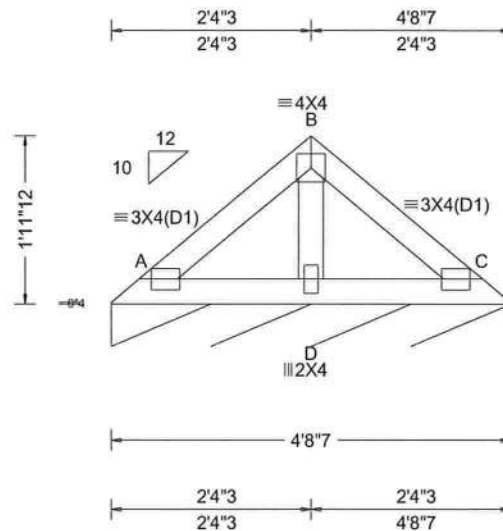
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 82752	VAL	Ply: 1	Job Number: 22-7171	Cust: R 215 JRef: 1Xe22150011 T31
FROM:		Qty: 2	Ronnie Robinson - Chad Strait Residence	DrwNo: 082.22.0800.49923
			Truss Label: V11	KD / WHK 03/23/2022



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 7-16	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.001 A 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.002 A 999 180	C* 85 /- /- /45 /7 /10
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	Wind reactions based on MWFRS
Des Ld: 40.00	EXP: C Kzt: NA	Building Code:	HORZ(TL): 0.001 C - -	C Brg Wid = 56.4 Min Req = -
NCBCLL: 10.00	Mean Height: 15.00 ft	FBC 7th Ed. 2020 Res.	Creep Factor: 2.0	Bearing A is a rigid surface.
Soffit: 2.00	TCDL: 5.0 psf	TPI Std: 2014	Max TC CSI: 0.084	Members not listed have forces less than 375#
Load Duration: 1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.057	
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	FT/RT:20(0)/10(0)	Max Web CSI: 0.051	
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 21.02.01.1216.15	
	Loc. from endwall: Any	WAVE		
	GCpi: 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.
Wind loading based on both gable and hip roof types.

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



COA#0-278

03/23/2022

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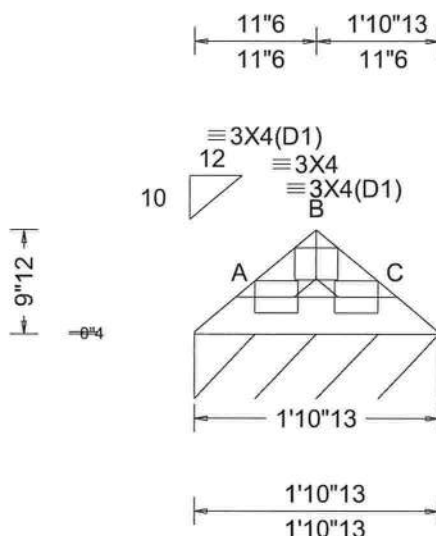
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

SEQN: 82753 FROM:	VAL Qty: 2	Ply: 1 Job Number: 22-7171 Ronnie Robinson - Chad Strait Residence Truss Label: V12	Cust: R 215 JRef: 1Xe22150011 T33 DrwNo: 082.22.0800.47580 KD / WHK 03/23/2022
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCCL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-16 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.58 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Building Code: FBC 7th Ed. 2020 Res. TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 A 999 240 VERT(CL): 0.001 A 999 180 HORZ(LL): -0.000 A - - HORZ(TL): 0.000 A - - Creep Factor: 2.0 Max TC CSI: 0.012 Max BC CSI: 0.023 Max Web CSI: 0.000 VIEW Ver: 21.02.01.1216.15	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL C* 84 /- /- /39 /0 /7 Wind reactions based on MWFRS C Brg Wid = 22.8 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;

Wind

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

Additional Notes

See DWGS VALTN160118 and VAL180160118 for valley details.



03/23/2022

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see these web sites: Alpine: alpineitw.com; TPI: tpinst.org; SBCA: sbcacomponents.com; ICC: iccsafe.org; AWC: awc.org

ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

Valley Detail - ASCE 7-16: 180 mph, 30' Mean Height, Partially 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:
535# connection or with (1) Simpson H2.5A or
equivalent connector for
ASCE 7-16 180 mph. 30' Mean Height, Part. Enc.
Building, Exp. C, Wind TC DL=5 psf, Kzt = 1.00
Or
ASCE 7-16 160 mph. 30' Mean Height, Part. Enc.
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 Alpine Wave Plates.

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

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

Or

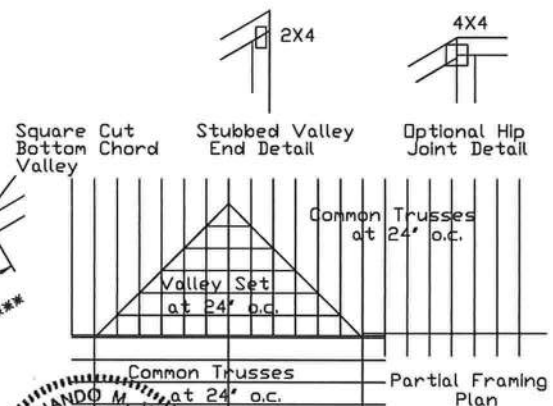
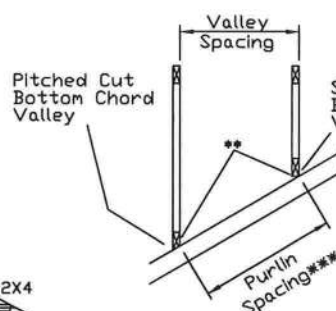
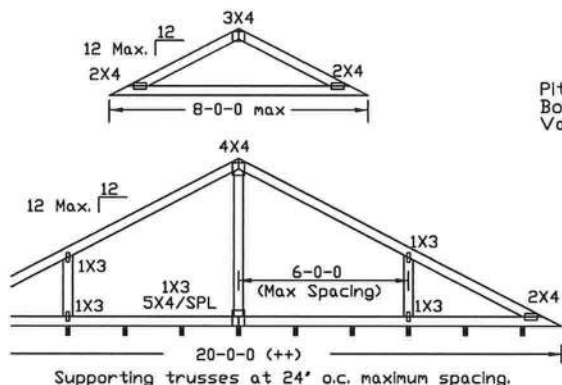
Purlins at 24' o.c. or as otherwise specified on engineer's sealed design

Or

By valley trusses used in lieu of purlin spacing as specified on
Engineer's sealed design.

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

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



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
follow the latest edition of BCSC Building Component Safety Information by TPI and SBCA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCSC.
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 BCSC sections 83, 87 or 310, as applicable. Apply plates to each face
of truss and position as shown above and on the Joint Details, unless noted otherwise.
Refer to drawings 160A-Z for standard plate positions.
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this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,
installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional
engineering responsibility solely for the design shown. The suitability and use of this drawing
for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.5.
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineinc.com TPI: www.tpinet.org SBCA: www.sbcsc.com ICC: www.iccsafe.org



LL	30	30	40PSF	REF	VALLEY DETAIL
DL	20	15	7PSF	DATE	01/26/2018
DL	10	10	10 PSF	DRWG	VAL180160118
LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING	24.0'				

Valley Detail - ASCE 7-16: 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 7-16, 30' Mean Height, Enclosed Building, Exp. C,
Wind TC DL=5 psf, Kzt = 1.00, Max. Wind Speed based on
supporting truss material at connection location:
170 mph for SP (G = 0.55, min.),
155 mph for DF-L (G = 0.50, min.), or
120 mph for HF & SPF (G = 0.42, min.).

Maximum top chord pitch is 10/12 for supporting trusses below valley trusses.

Bottom chord of valley trusses 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 Alpine Wave Plates.

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

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

Or

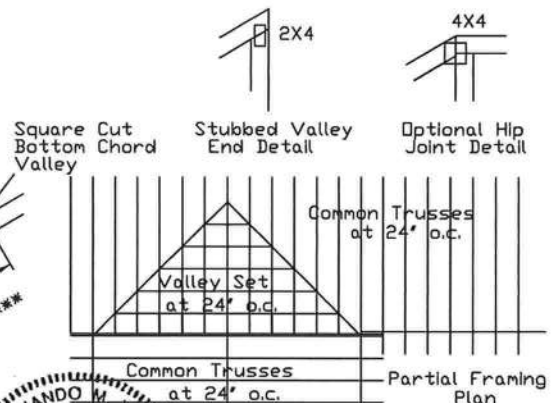
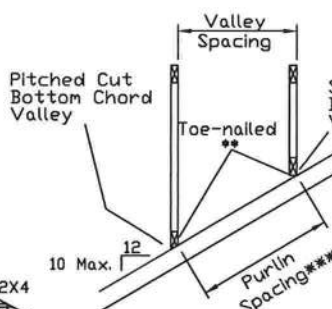
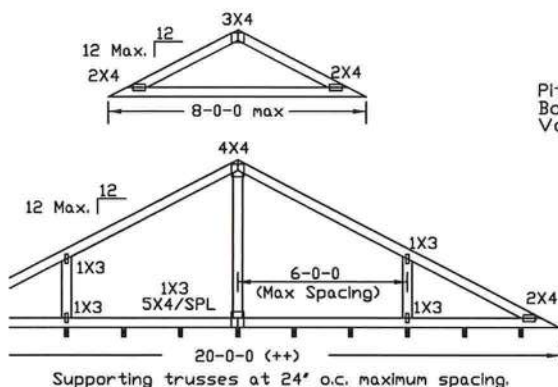
Purlins at 24' o.c. or as otherwise specified on engineer's sealed design

Or

By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

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

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



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For more information see this job's general notes page and these web sites:
ALPINE: www.alphnetw.com TPI: www.tpinet.org SBCA: www.sbcacomponents.com ICD: www.icdcsafe.org



TC LL	30	30	40PSF	REF	VALLEY DETAIL
TC DL	20	15	7PSF	DATE	01/26/2018
BC DL	10	10	10 PSF	DRWG	VALTN160118
BC LL	0	0	0PSF		
TOT. LD.	60	55	57PSF		
DUR.FAC.	1.25/1.33	1.15	1.15		
SPACING			24.0'		

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

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

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

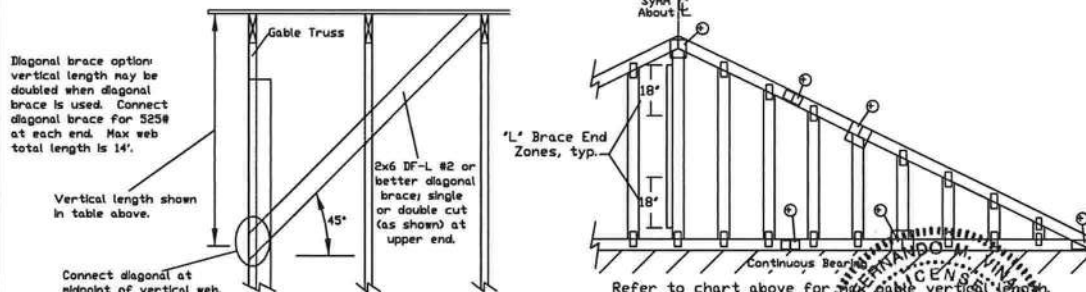
Bracing Group Species and Grades:			
Group A:			
Spruce-Pine-Fir		Hem-Fir	
#1 / #2 Standard		#2 Stud	
#3 Stud		#3 Standard	
Douglas Fir-Larch		Southern Pine****	
#3 Stud		#3 Standard	
Standard		Standard	
Group B:			
Hem-Fir			
#1 & #2			
#1			
Douglas Fir-Larch		Southern Pine****	
#1 Stud		#1 Standard	
#2 Stud		#2 Standard	

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

****For 1x4 So. Pine use only Industrial 35 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

1x4 Braces shall be SRB (Stress-Rated Board).
 For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for 100 plf over continuous bearing (5 psf TC Dead Load).
 Gable end supports load from 4' 0" outleakers with 2' 0" overhang, or 12' plywood overhang.



Attach 'L' braces with 10d (0.128"x3.0" min) nails.
 For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 For (2) 'L' braces: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

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

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

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

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

No 70773

STATE OF FLORIDA

PROFESSIONAL ENGINEER

03/23/2012

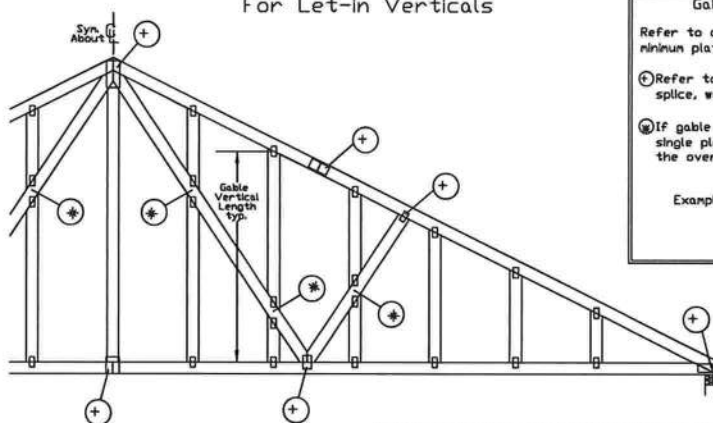
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0'

COA#0-278

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

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

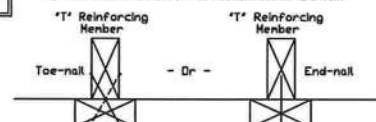
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

② If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example: 2X4 2X4 2X8

'T' Reinforcement Attachment Detail



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) nails in the top and bottom chords.

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

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

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A1015051014, A14015051014,
A13030051014, A12030051014, A1030051014, A14030051014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A20015END100118, A2001SPED100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S20015END100118, S2001SPED100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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

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. Mem. 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

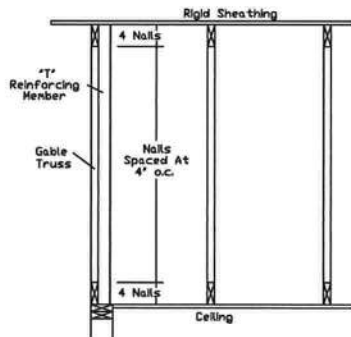
'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

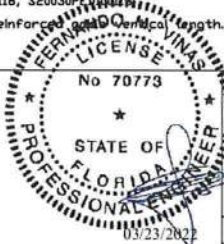
Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"



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COA#0-278

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

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

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

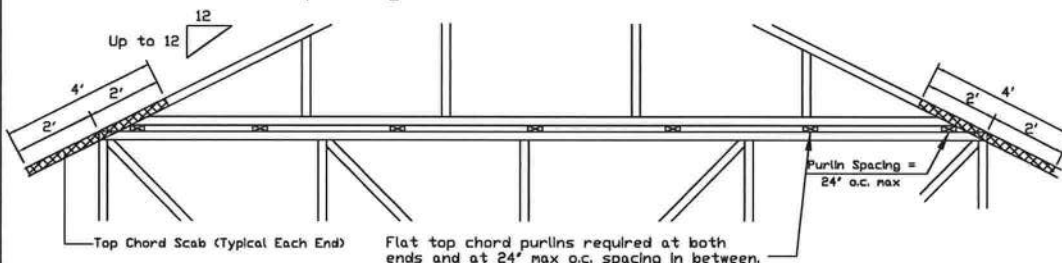
160 mph Wind, 30.00 Ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Dr 140 mph wind, 30.00 Ft Mean Hgt, ASCE 7-16, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

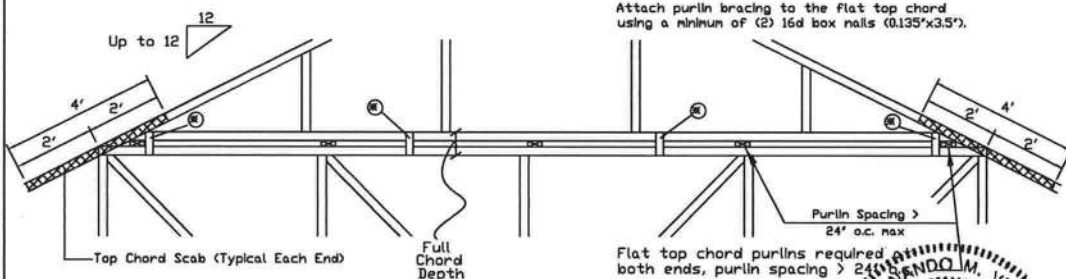


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

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

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



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

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

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

Trulox

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

APA Rated Gusset

8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.119"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

2x4 Vertical Scabs

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

28PB Wave Piggyback Plate

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

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



COA#0-278

REF PIGGYBACK
DATE 01/02/2018
DRWG PB160160118

SPACING 24.0"

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

Or: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
 Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
 Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

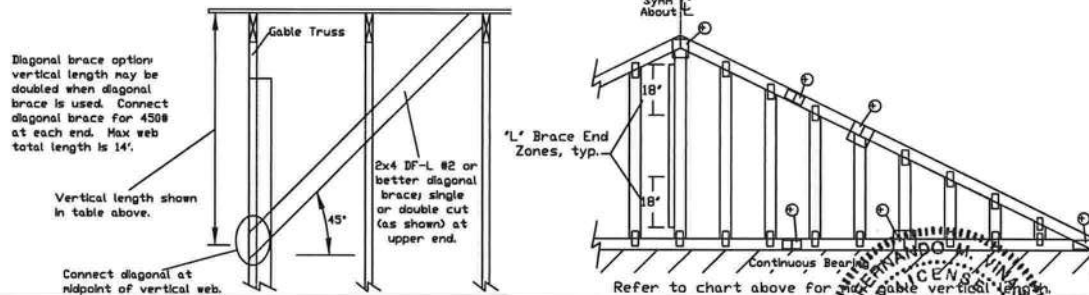
Max Gable Vertical Length	Gable Vertical Spacing	2x4 Gable Vertical Species	Brace Grade	No Braces	(1) 1x4 'L' Brace		(1) 2x4 'L' Brace		(2) 2x4 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace	
					Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
					Group A		Group B	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

Bracing Group Species and Grades:			
Group A:			
Spruce-Pine-Fir		Hen-Fir	
#1 / #2 Standard	#3 Stud	#2 Stud	#3 Standard
Douglas Fir-Larch		Southern Pine***	
#3 Stud	Standard	#3 Stud	Standard
Group B:			
Hen-Fir			
#1 & Btr			
#1			
Douglas Fir-Larch		Southern Pine***	
#1	#2	#1	#2

1x4 Braces shall be SRB (Stress-Rated Board).
***For 1x4 So. Pine use only Industrial 35 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

1x4 Braces shall be SRB (Stress-Rated Board).
 For 1x4 So. Pine use only Industrial S5 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).
 Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.



Attach 'L' braces with 10d (0.128"x3.0" min) nails.
 * For (1) 'L' brace: space nails at 2' o.c. in 18" end zones and 4' o.c. between zones.
 ** For (2) 'L' brace: space nails at 3' o.c. in 18" end zones and 6' o.c. between zones.
 'L' bracing must be a minimum of 80% of web member length.

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

* Refer to common truss design for peak, splice, and heel plates.
 Refer to the Building Designer for conditions not addressed by this detail.

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No 70773

STATE OF FLORIDA

PROFESSIONAL ENGINEER

03/23/2012

COA#0-278

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0'

REF ASCE7-16-GAB14015

DATE 01/26/2018

DRWG A14015ENC160118

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.

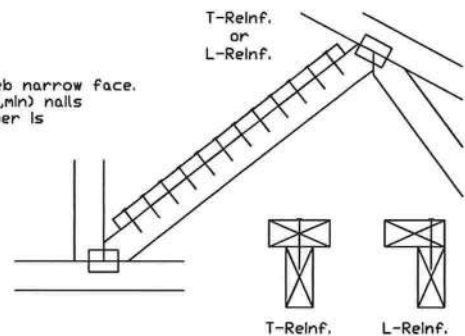
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.	
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x6
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

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

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

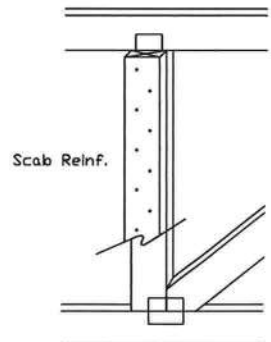
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP Guiding Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. 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 BCSP 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.
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses.
A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.
For more information see this job's general notes page and these web sites:
ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcacomponents.com; ICD: www.icd-safe.org



COA#0-278

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

NAIL SPACING DETAIL

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

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

LOAD PERPENDICULAR TO GRAIN

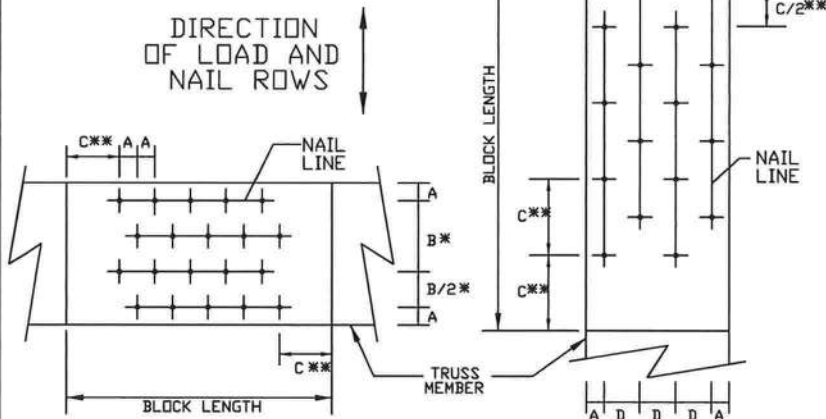
- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

- A - EDGE DISTANCE (6 NAIL DIAMETERS)
- C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
- D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

- * SPACING MAY BE REDUCED BY 50%
- ** SPACING MAY BE REDUCED BY 33%



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

MINIMUM NAIL SPACING DISTANCES

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



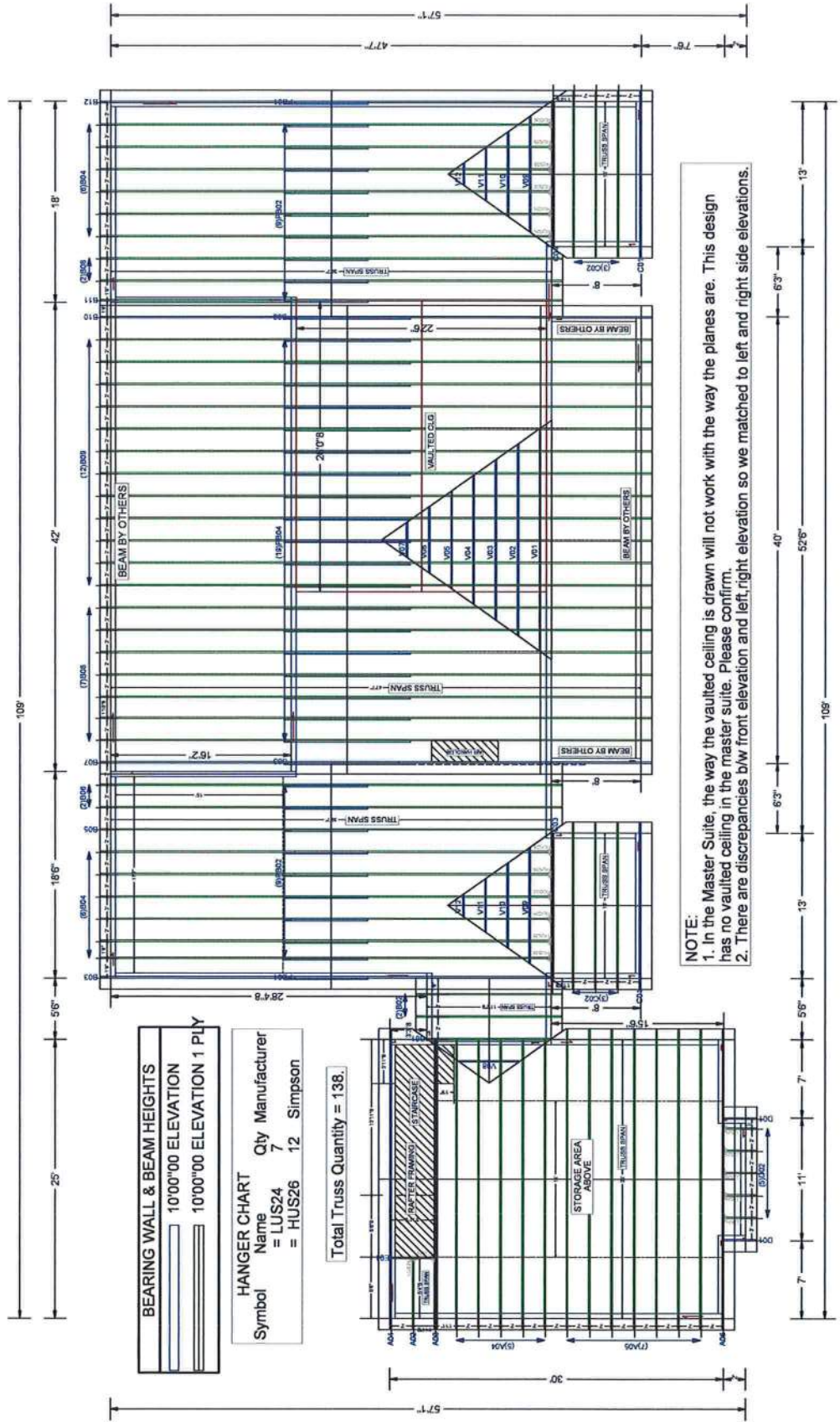
514 Earth City Expressway
Suite 242
Earth City, MO 63045

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COA#0-278

REF NAIL SPACE
DATE 10/01/14
DRWG CNNAILSP1014



JOB #: 22-7171

Job Name: Ronnie Robinson - Chad St
Customer: Contractor
Designer: Fill in later
ADDRESS:
SALESMAN: Fill in later
: <Not Found>

JOB NO:
22-7171
PAGE NO: