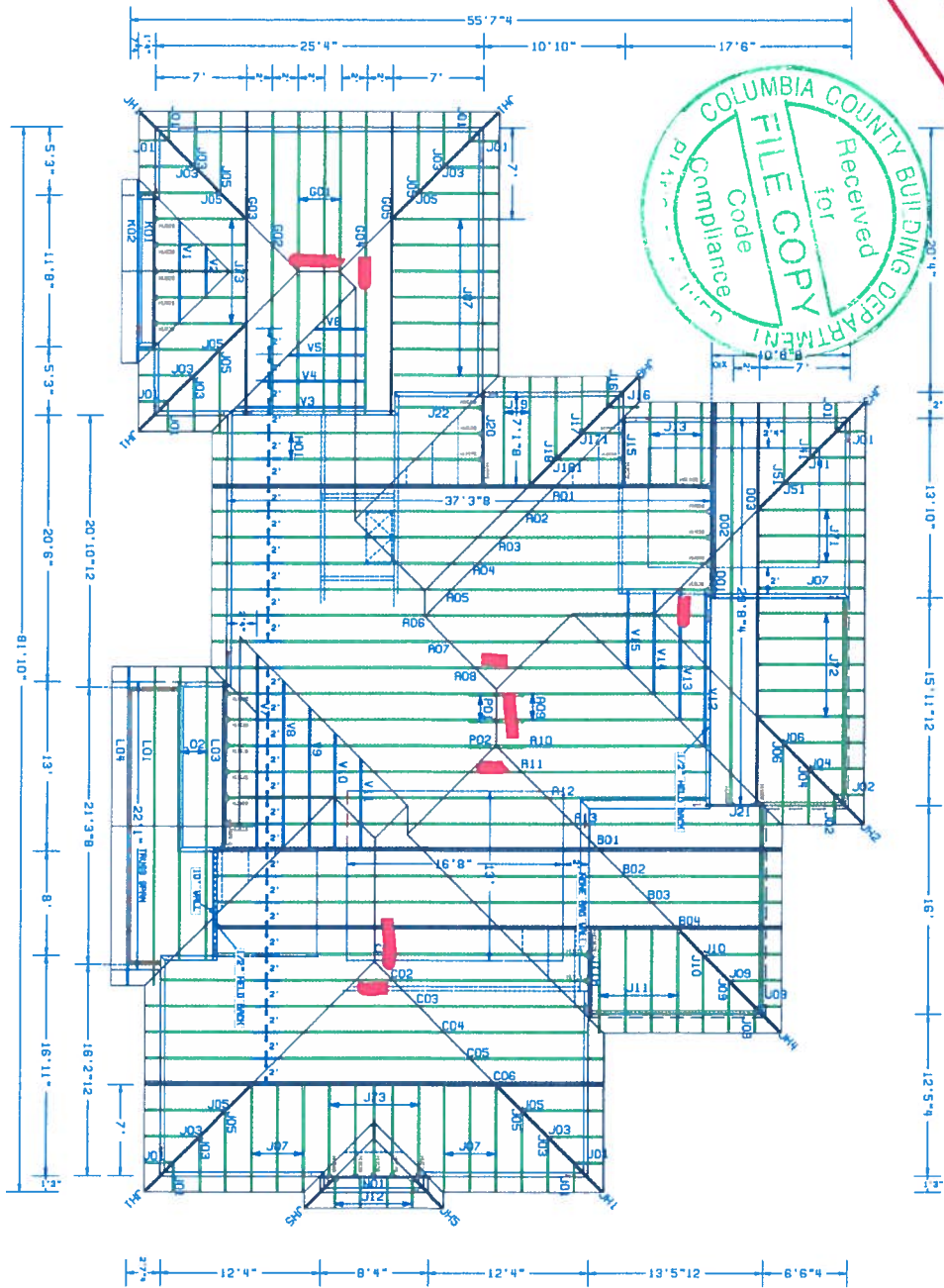


SCANNED



Total Truss Quantity = 185.

W.B. Howland Truss Co.
610 11th St. SW
Live Oak, FL 32064
(386) 382-1235 (Fax)
howlandtruss@gmail.com

ROOF PITCH: 7/12
OVERHANG: 14 1/2" Plumb
CEILING: FLAT
STEP UP TRAYS
EXT. WALLS: 2 X 4 X 9 & 10'
LOADING: 40 PSC
WIND: 130 MPH
EXPOSURE: C
DATE: 10/30/19

34 - TRUSS TO TRUSS CONNECTIONS:
31 - HUS26
3 - HUS26-2

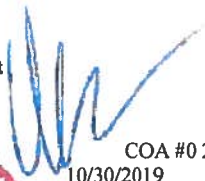
JOB #: 19-3610

Job Name: RIVERS
Customer: ZECHER CONSTRUCTION
Designer: Bob Glover
ADDRESS:
SALESMAN: DB
: <Not Found>

JOB NO:
19-3610

PAGE NO:
1 OF 1

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COA #0 278
10/30/2019



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



Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3610
Job Description: /RIVERS /ZECHER CONSTRUCTION	
Address: FL	

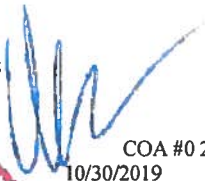
Job Engineering Criteria:			
Design Code: FBC 2017 RES	IntelliVIEW Version: 18.02.01B		
	JRef #: 1WPS2150003		
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	
Building Type: Closed		Floor Load (psf): None	

This package contains general notes pages, 91 truss drawing(s) and 5 detail(s).

Item	Seal #	Truss
1	303.19.1200.25354	A01
3	303.19.1200.25432	A03
5	303.19.1200.25931	A05
7	303.19.1200.25727	A07
9	303.19.1200.24807	A09
11	303.19.1200.25650	A11
13	303.19.1201.40270	A13
15	303.19.1201.51733	B02
17	303.19.1202.03300	B04
19	303.19.1202.09710	C02
21	303.19.1200.26695	C04
23	303.19.1200.25836	C06
25	303.19.1200.25056	D02
27	303.19.1200.25369	G01
29	303.19.1200.25867	G03
31	303.19.1200.26616	G05
33	303.19.1200.25712	J01
35	303.19.1200.26024	J03
37	303.19.1200.25385	J05
39	303.19.1200.25790	J07
41	303.19.1200.25759	J09
43	303.19.1200.25026	J11
45	303.19.1200.26664	J12
47	303.19.1200.26150	J15
49	303.19.1200.26555	J17
51	303.19.1200.25323	J18

Item	Seal #	Truss
2	303.19.1200.26180	A02
4	303.19.1200.24776	A04
6	303.19.1200.26086	A06
8	303.19.1200.25338	A08
10	303.19.1200.24886	A10
12	303.19.1200.25978	A12
14	303.19.1201.47530	B01
16	303.19.1201.55363	B03
18	303.19.1202.07227	C01
20	303.19.1200.26258	C03
22	303.19.1200.24948	C05
24	303.19.1200.25198	D01
26	303.19.1200.25681	D03
28	303.19.1200.25885	G02
30	303.19.1200.26102	G04
32	303.19.1200.25229	H01
34	303.19.1200.25697	J02
36	303.19.1200.25587	J04
38	303.19.1200.25290	J06
40	303.19.1200.26134	J08
42	303.19.1200.25572	J10
44	303.19.1202.15843	J11A
46	303.19.1200.25182	J13
48	303.19.1200.25884	J16
50	303.19.1200.25213	J171
52	303.19.1200.25151	J181

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10/30/2019



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Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	Job Number: 19-3610
Job Description: /RIVERS /ZECHER CONSTRUCTION	
Address: FL	

Item	Seal #	Truss
53	303.19.1200.26602	J19
55	303.19.1200.25073	J21
57	303.19.1200.24822	J41
59	303.19.1200.25447	J71
61	303.19.1200.25556	J73
63	303.19.1200.24994	JH2
65	303.19.1200.25477	JH4
67	303.19.1200.25399	JH6
69	303.19.1200.26554	K02
71	303.19.1200.26227	L02
73	303.19.1200.26603	L04
75	303.19.1200.25259	P01
77	303.19.1200.24887	V1
79	303.19.1200.26556	V11
81	303.19.1200.26195	V13
83	303.19.1200.25525	V15
85	303.19.1200.25945	V3
87	303.19.1200.25540	V5
89	303.19.1200.25135	V7
91	303.19.1200.25104	V9
93	BRCLBSUB0119	
95	PB160101014	

Item	Seal #	Truss
54	303.19.1200.25276	J20
56	303.19.1200.26071	J22
58	303.19.1200.25806	J51
60	303.19.1200.25462	J72
62	303.19.1200.25915	JH1
64	303.19.1200.25509	JH3
66	303.19.1200.26149	JH5
68	303.19.1200.25009	K01
70	303.19.1200.24916	L01
72	303.19.1202.31873	L03
74	303.19.1200.25666	N01
76	303.19.1200.25120	P02
78	303.19.1200.24947	V10
80	303.19.1200.25322	V12
82	303.19.1200.26039	V14
84	303.19.1200.25602	V2
86	303.19.1200.25165	V4
88	303.19.1200.26025	V6
90	303.19.1200.26570	V8
92	A14015ENC10101 4	
94	GBLLETIN0118	
96	VAL160101014	

General Notes

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

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AF&PA. 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.

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.

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

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.

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 immediate vertical Deflection, 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(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. AF&PA: American Forest & Paper Association, 1111 19th Street, NW, Suite 800, Washington, DC 20036; www.afandpa.org.

2. ICC: International Code Council; www.iccsafe.org.

3. Alpine, a division of ITW Building Components Group Inc.: 13723 Riverport Drive, Suite 200, Maryland Heights, MO 63043; www.alpineitw.com.

4. TPI: Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, VA 22314; www.tpinst.org.

5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; www.sbcindustry.co

Lumber	Purlins	C - D	338 - 2333	H - I	856 - 5824
Top chord 2x6 SP 2400f-2.0E	In lieu of structural panels use purlins to brace all flat	D - E	330 - 2315	I - J	864 - 5878
:T1, T2 2x4 SP #2:	TC @ 24" oc.	E - F	472 - 3331	J - K	459 - 2944
Bot chord 2x6 SP 2400f-2.0E		F - G	595 - 4378		
Webs 2x4 SP #3	Wind				
:W11 2x4 SP M-31:	Wind loads and reactions based on MWFRS.				
:W13, W14, W16 2x4 SP #2:	Right end vertical not exposed to wind pressure.				
Nailnote	Additional Notes				
Nail Schedule:0.131"x3", min. nails	Refer to General Notes for additional information				
Top Chord: 1 Row @12.00" o.c.	The overall height of this truss excluding overhang is				
Bot Chord: 1 Row @12.00" o.c.	6'-1-2.				
Webs : 1 Row @ 4" o.c.					
Use equal spacing between rows and stagger nails					
in each row to avoid splitting.					

Maximum Bot Chord Forces Per Ply (lbs)					
Chords	Tens.Comp.	Chords	Tens. Comp.		
B - U	2108 - 327	S - R	4391 - 610		
U - T	3280 - 466	R - Q	5363 - 766		
T - S	4333 - 594	O - M	3180 - 501		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.

TC:	279 lb Conc. Load at 24.55	
TC:	136 lb Conc. Load at 33.77,35.77,37.77	
BC:	1240 lb Conc. Load at 20.94	
BC:	133 lb Conc. Load at 22.52	
BC:	516 lb Conc. Load at 24.55	
BC:	343 lb Conc. Load at 31.77	
BC:	89 lb Conc. Load at 33.77,35.77,37.77	

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

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

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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290601 /	COMN	Ply: 2	Job Number: 19-3610	Cust: R 215 JRef: 1WPS2150003 T5 /
FROM: CDM		Qty: 1	/RIVERS /ZECHER CONSTRUCTION	DrwNo: 303.19.1200.25354
Page 2 of 2			Truss Label: A01	/ YK 10/30/2019

Hangers / Ties

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

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

Bearing at location x=38'3" uses the following support conditions: 38'3"

Bearing L (38'3", 9'8") HGUS26-2

Supporting Member: (3)2x6 SP 2400f-2.0E

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

(8) 0.148"x3" nails into supported member.



COA #6278

10/30/2019

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

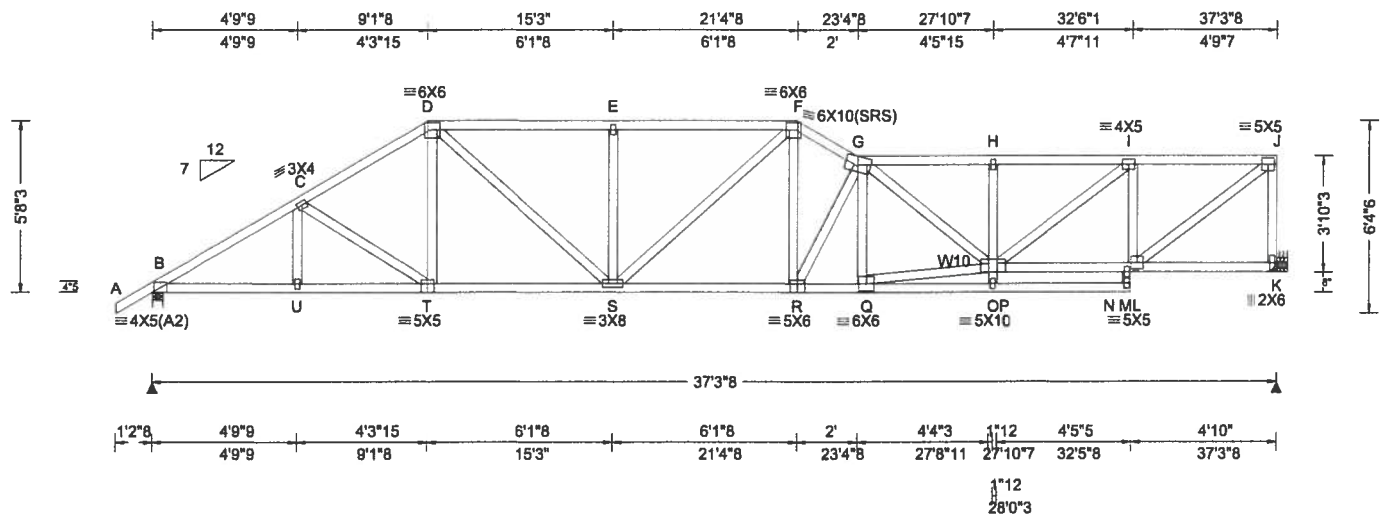
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ALPINE
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290367 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A02	Cust: R 215 JRef: 1WPS2150003 T49 / DrwNo: 303.19.1200.26180 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.214 G 999 240 VERT(CL): 0.442 G 999 180 HORZ(LL): 0.061 D - - HORZ(TL): 0.127 D - - Creep Factor: 2.0 Max TC CSI: 0.586 Max BC CSI: 0.764 Max Web CSI: 0.851 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1640 - / - / - / 957 / 88 / 123 K 1543 - / - / - / 773 / 188 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 K Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				B - C 648 - 2627 F - G 850 - 3058 C - D 641 - 2354 G - H 855 - 3166 D - E 755 - 2613 H - I 861 - 3189 E - F 755 - 2613 I - J 482 - 1783

Lumber	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP #2 Bot chord 2x4 SP #2 Webs 2x4 SP #3 :W10 2x4 SP #2:	Chords Tens.Comp. Chords Tens. Comp.

Plating Notes	Maximum Web Forces Per Ply (lbs)
All plates are 2X4 except as noted.	Webs Tens.Comp. Webs Tens. Comp.

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

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

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

Additional Notes	
Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-8-3. Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).	

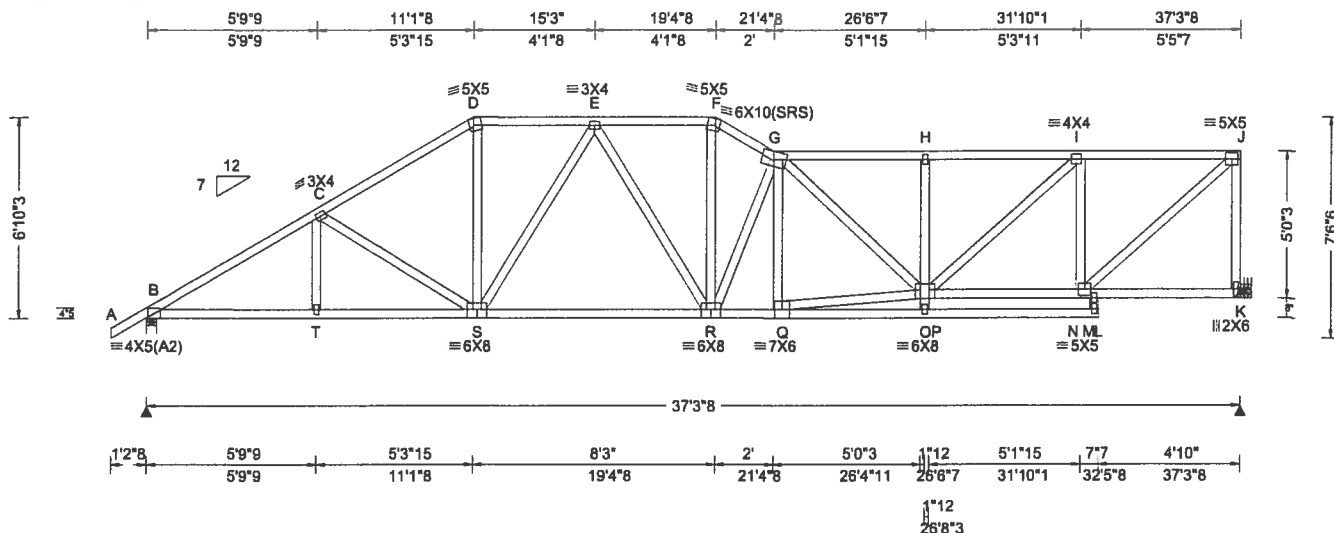


COA #0278
10/30/2019

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



6750 Forum Drive
Suite 305
Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.171 G 999 240 VERT(CL): 0.353 G 999 180 HORZ(LL): 0.053 N - - HORZ(TL): 0.109 N - - Creep Factor: 2.0 Max TC CSI: 0.518 Max BC CSI: 0.835 Max Web CSI: 0.944 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1640 - / - / - / 978 / 96 / 146 K 1543 - / - / - / 785 / 208 / - Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 K Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Hangers / Tiles

(J) Hanger Support Required, by others

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6'-10-3/8".

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



COA #0278

10/30/2019

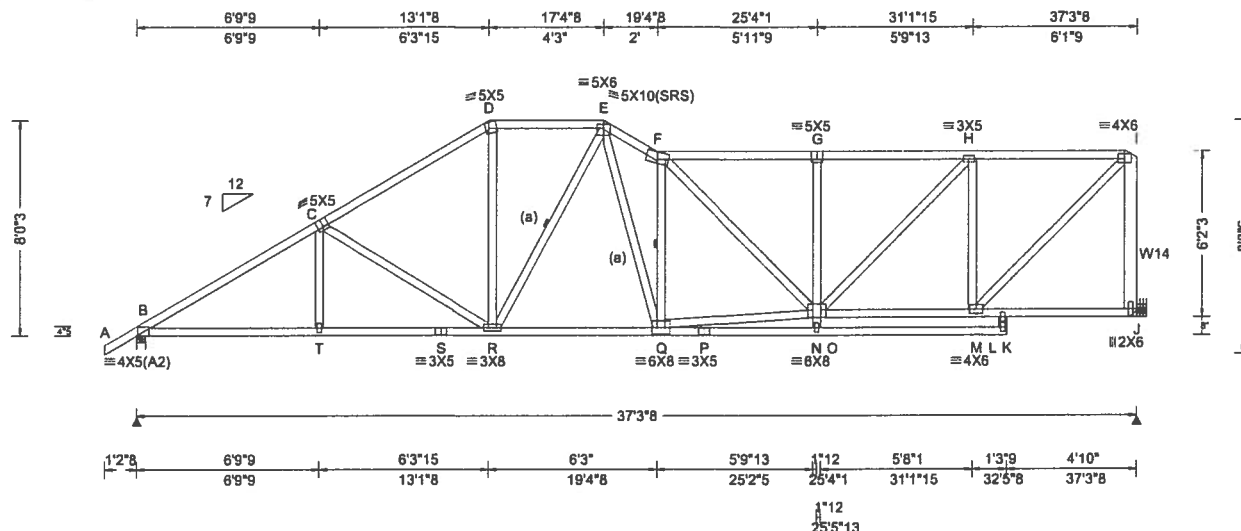
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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6750 Forum Drive
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Orlando FL, 32821



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.160 F 999 240 VERT(CL): 0.330 F 999 180 HORZ(LL): 0.047 M - - HORZ(TL): 0.098 M - - Creep Factor: 2.0 Max TC CSI: 0.633 Max BC CSI: 0.717 Max Web CSI: 0.821 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1640 - / - / - / 997 / 104 / 168 J 1541 - / - / - / 792 / 220 / - Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.
				B - C 601 - 2591 F - G 603 - 2200 C - D 568 - 2084 G - H 605 - 2210 D - E 541 - 1721 H - I 372 - 1347 E - F 761 - 2619

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:W14 2x6 SP 2400F-2.0E:

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

Plating Notes
All plates are 2X4 except as noted.

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 8'-0"-3."
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).



10/30/2019

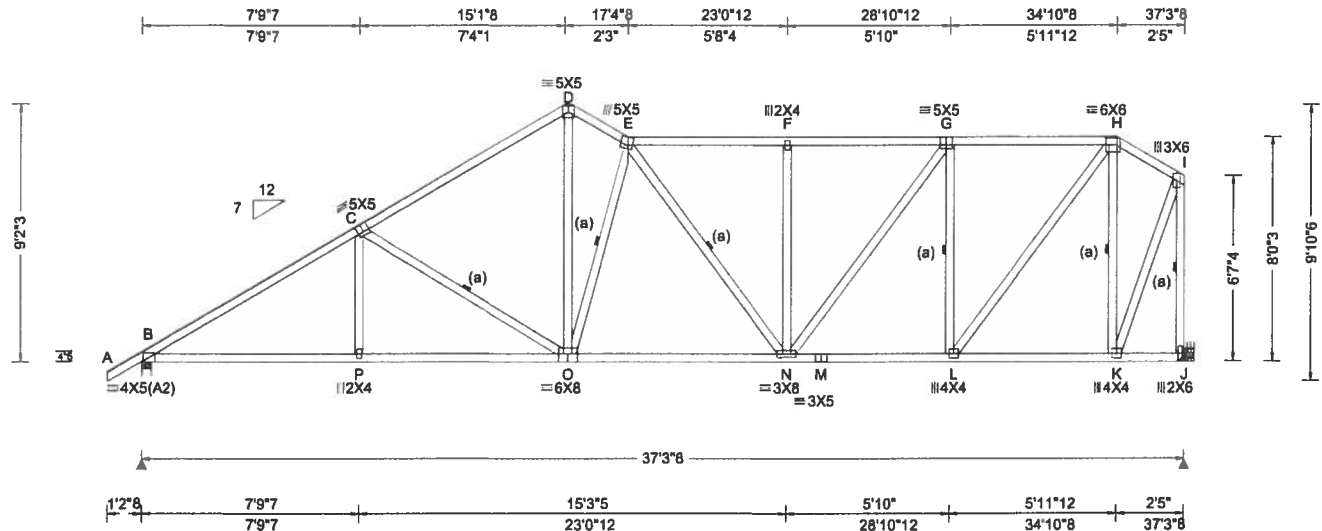
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Orlando FL, 32821

SEQN: 290376 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A05	Cust: R 215 JRef: 1WPS2150003 T30 / DrwNo: 303.19.1200.25931 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.133 E 999 240 VERT(CL): 0.275 E 999 180 HORZ(LL): 0.044 K - - HORZ(TL): 0.091 K - - Creep Factor: 2.0 Max TC CSI: 0.726 Max BC CSI: 0.836 Max Web CSI: 0.576 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 1640 /- /- /1006 /112 /202 J 1543 /- /- /796 /190 /- Non-Gravity Loc R+ / R- / Rh B 1640 /- /- /1006 /112 /202 J 1543 /- /- /796 /190 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 J Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord 2x4 SP #2
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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9'-2-3/4".



COA #0278

10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - P	2114 -383	N - M	1342 -287
P - O	2112 -383	M - L	1342 -287
O - N	1848 -356	L - K	472 -104

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - O	175 -630	G - L	252 -985
D - O	1475 -376	L - H	1381 -293
O - E	321 -1020	H - K	289 -1133
F - N	152 -379	K - I	1317 -291
N - G	748 -137	I - J	352 -1534

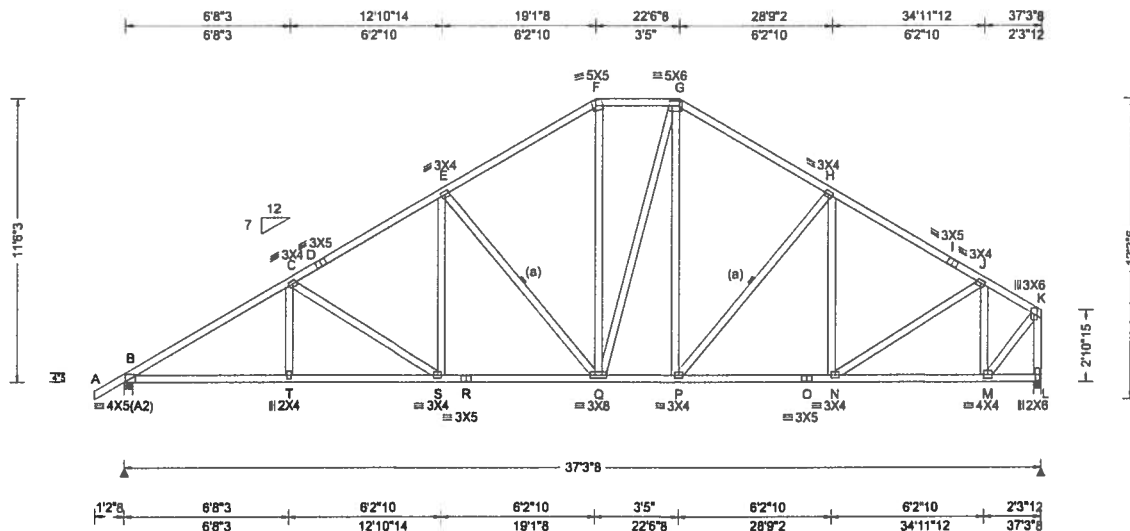
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 290392 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A08	Cust: R 215 JRef: 1WPS2150003 T50 / DrwNo: 303.19.1200.25338 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.102 S 999 240 VERT(CL): 0.210 S 999 180 HORZ(LL): 0.045 L - - HORZ(TL): 0.092 L - - Creep Factor: 2.0 Max TC CSI: 0.464 Max BC CSI: 0.695 Max Web CSI: 0.507 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Loc R+ /R- /Rh Non-Gravity /Rw /U /RL B 1640 - /- /- /1001 /44 /293 L 1543 - /- /- /864 - /- /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 L Brg Width = 3.5 Min Req = 1.8 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 541 - 2592 G - H 480 - 1540 C - D 489 - 2117 H - I 434 - 1641 D - E 518 - 2079 I - J 404 - 1680 E - F 484 - 1593 J - K 237 - 998 F - G 465 - 1289

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-6-3.



COA #0 278

10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - T	2151 - 467	Q - P	1236 - 177
T - S	2149 - 468	P - O	1377 - 254
S - R	1734 - 336	O - N	1377 - 254
R - Q	1734 - 336	N - M	905 - 201

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - S	156 - 484	N - J	560 - 77
S - E	465 - 65	J - M	242 - 929
E - Q	228 - 707	M - K	1331 - 292
F - Q	463 - 135	K - L	346 - 1537

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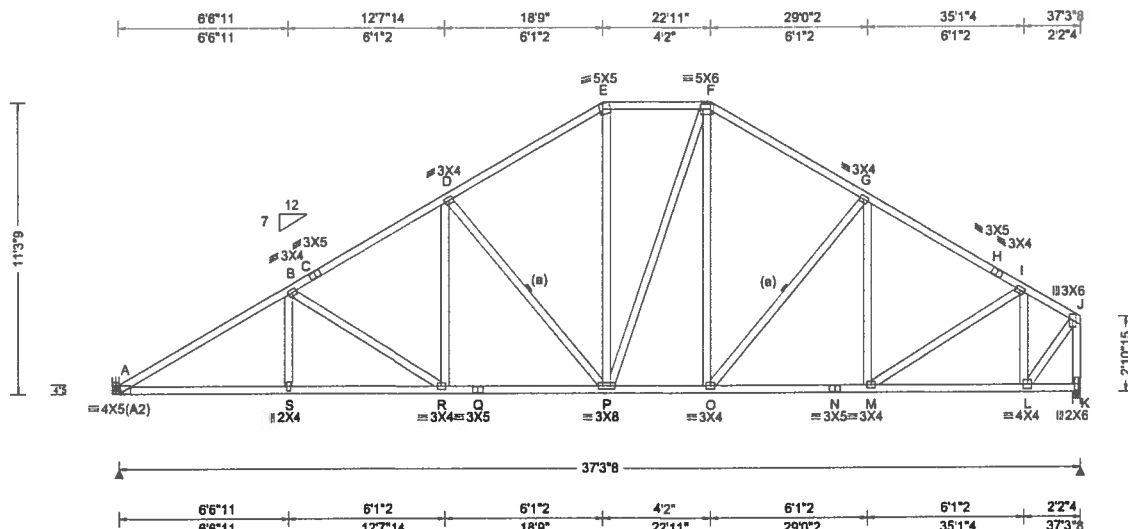
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290408 / FROM: CDM	HIPS Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A09	Cust: R 215 JRef: 1WPS2150003 T58 / DrwNo: 303.19.1200.24807 / YK 10/30/2019
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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 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.101 R 999 240 VERT(CL): 0.209 R 999 180 HORZ(LL): 0.044 K - - HORZ(TL): 0.092 K - - Creep Factor: 2.0 Max TC CSI: 0.496 Max BC CSI: 0.679 Max Web CSI: 0.508 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL A 1556 - / - / 930 / 41 / 273 K 1545 - / - / 864 - / - Wind reactions based on MWFRS A Brg Width = - Min Req = - K Brg Width = 3.5 Min Req = 1.8 Bearing K 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 572 - 2621 F - G 486 - 1557 B - C 506 - 2144 G - H 436 - 1646 C - D 536 - 2113 H - I 406 - 1677 D - E 497 - 1625 I - J 231 - 962 E - F 473 - 1320

Lumber

Top chord 2x4 SP #2
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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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



COA #0 278

10/30/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
A - S	2181 - 485	P - O	1253 - 191
S - R	2179 - 486	O - N	1376 - 262
R - Q	1757 - 348	N - M	1376 - 262
Q - P	1757 - 348	M - L	879 - 198

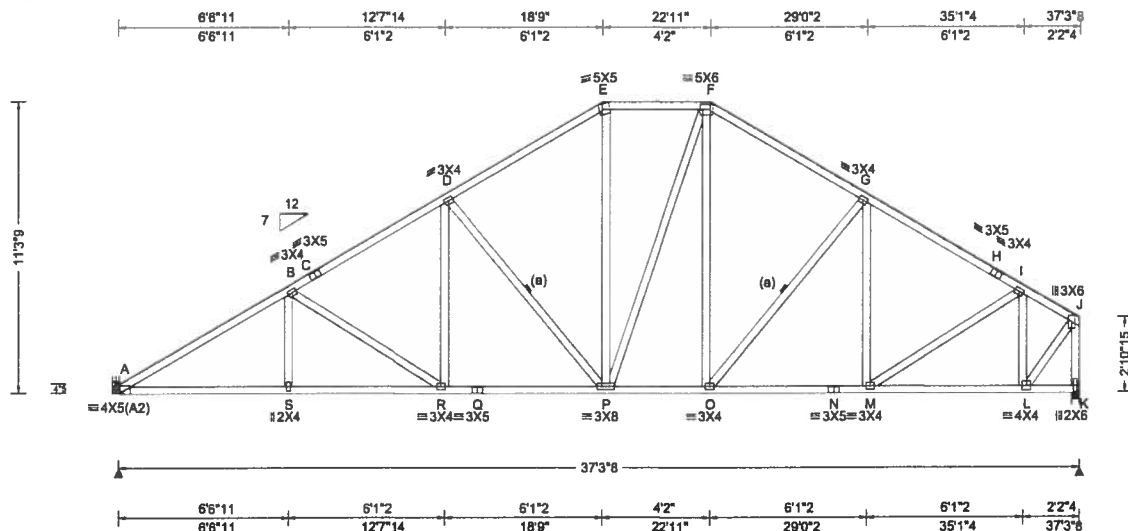
Webbs	Tens.Comp.	Webbs	Tens. Comp.
B - R	176 - 493	M - I	591 - 89
R - D	460 - 74	I - L	251 - 956
D - P	224 - 695	L - J	1332 - 297
E - P	469 - 129	J - K	350 - 1541

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.101 R 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.209 R 999 180	A 1556 /- /- /930 /41 /273
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.044 K - -	K 1545 /- /- /864 /41 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.092 K - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	A Brg Width = - Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.496	K Brg Width = 3.5 Min Req = 1.8
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.679	Bearing K is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: > 2h	Rep Fac: No	Max Web CSI: 0.508	Members not listed have forces less than 375#
	C&C Dist a: 3.73 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	A - B 572 - 2621 F - G 486 - 1557
	Wind Duration: 1.60			

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

(a) Continuous lateral restraint equally spaced on member.

(J) Hanger Support Required, by others

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

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

Right end vertical not exposed to wind pressure.

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 11-3-9.



COA #0278
10/30/2019

Chords	Tens.Comp.		Chords	Tens. Comp.	
A - S	2181	-485	P - O	1253	-191
S - R	2179	-486	O - N	1376	-262
R - Q	1757	-348	N - M	1376	-262
Q - P	1757	-348	M - L	879	-198

Webbs	Tens. Comp.	Webbs	Tens. Comp.
B - R	176 -493	M - I	591 -89
R - D	460 -74	I - L	251 -956
D - P	224 -695	L - J	1332 -297
E - P	469 -129	J - K	350 -1541

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drawings 100A-2 for standard plate positions.

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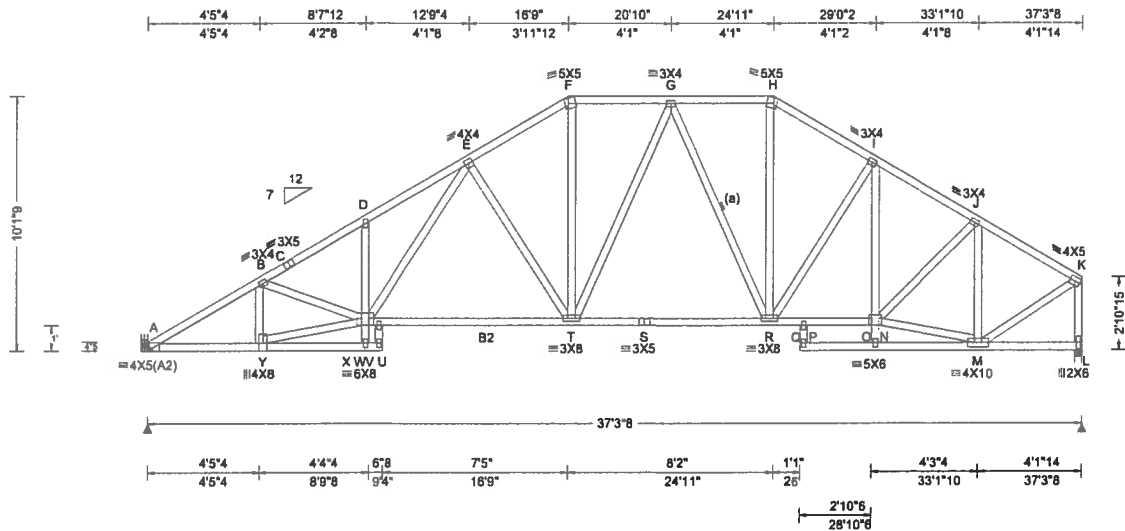
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6750 Forum Drive
 Suite 305
 Orlando FL, 32821

SEQN: 290413 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A12	Cust. R 215 JRef: 1WPS2150003 T47 / DrawNo: 303.19.1200.25978 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.132 D 999 240 VERT(CL): 0.274 D 999 180 HORZ(LL): 0.068 L - - HORZ(TL): 0.142 L - - Creep Factor: 2.0 Max TC CSI: 0.302 Max BC CSI: 0.667 Max Web CSI: 0.854 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh A 1556 - / - / 929 L 1545 - / - / 861 Non-Gravity / U / RL / 62 / 242 / 8 / - Wind reactions based on MWFRS A Brg Width = - Min Req = - L Brg Width = 3.5 Min Req = 1.8 Bearing L is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

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

Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (if no rigid diaphragm exists at that point).



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

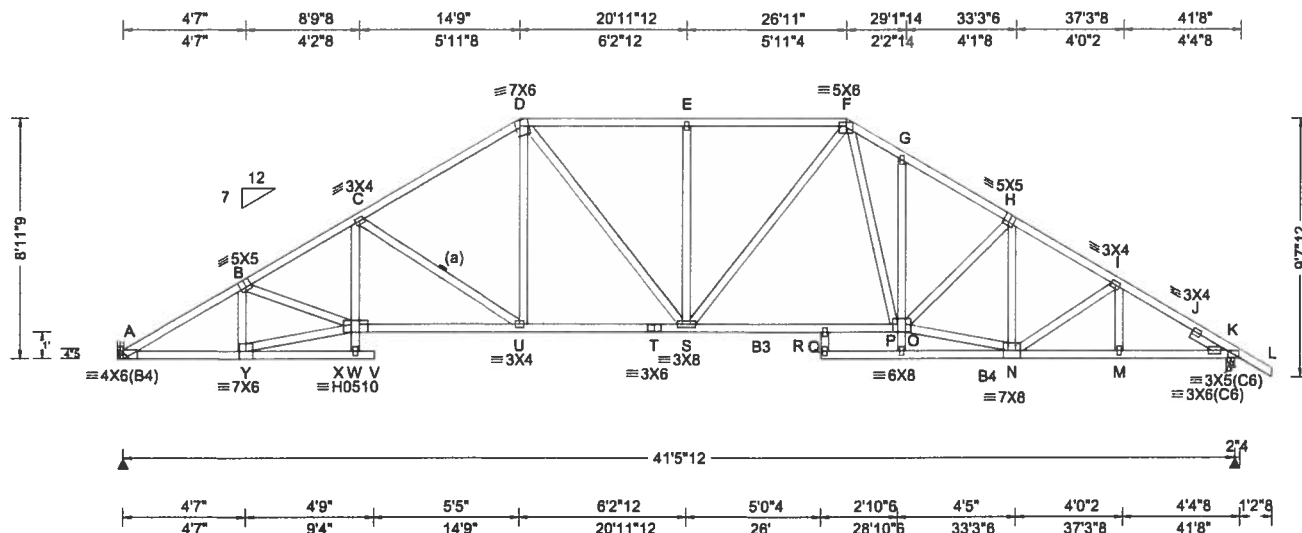
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.189 E 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.391 E 999 180	A 1722 -/- -/ 1007 /65 /259
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.096 M - -	K 1825 -/- -/ 1091 /75 -/
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.198 M - -	Wind reactions based on MWFRS
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	A Brg Width = - Min Req = -
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.534	K Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.826	Bearing K is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: h to 2h	Rep Fac: Yes	Max Web CSI: 0.960	Members not listed have forces less than 375#
	C&C Dist a: 4.17 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 13.00 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE, HS	VIEW Ver: 18.02.01B.0321.08	A - B 701 - 2984 F - G 777 - 2732
	Wind Duration: 1.60			

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B3, B4 2x4 SP M-31;
Webs: 2x4 SP #3;
Rt Slider: 2x4 SP #3; block length = 1.50'

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

Plating Notes
All plates are 2X4 except as noted.

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

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

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

Additional Notes
The overall height of this truss excluding overhang is 8-11-9.
Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

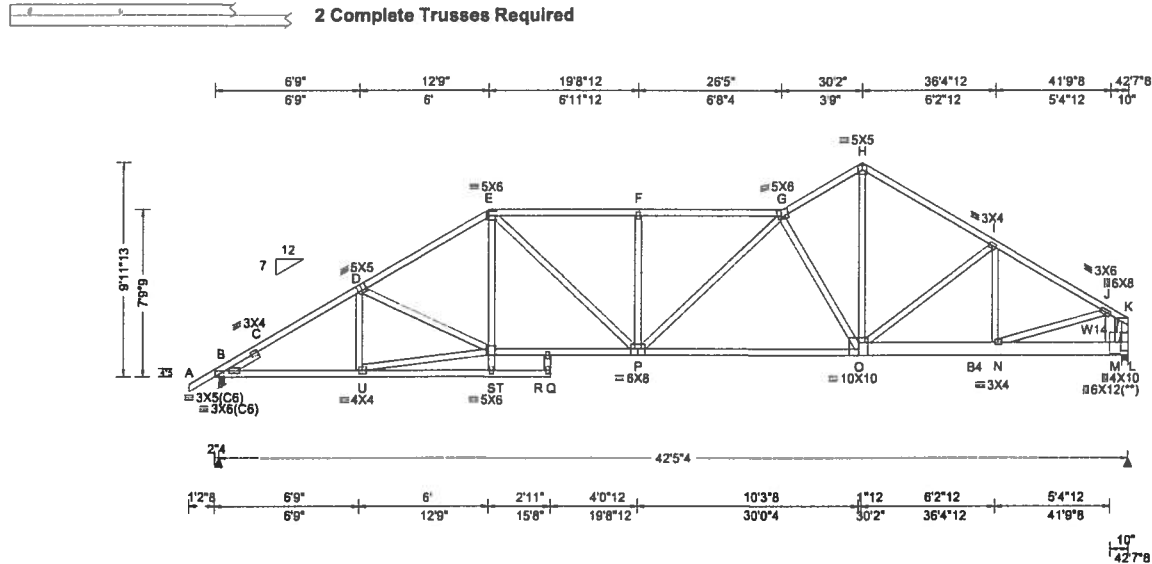


COA #0-218
10/30/2019

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

ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 296060 FROM: CDM	SPEC Qty: 1	Ply: 2 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: B01	Cust: R 215 JRef: 1WPS2150003 T71 DrwNo: 303.19.1201.47530 JB / WHK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.26 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.121 F 999 240 VERT(CL): 0.246 F 999 180 HORZ(LL): 0.044 L - - HORZ(TL): 0.088 L - - Creep Factor: 2.0 Max TC CSI: 0.370 Max BC CSI: 0.605 Max Web CSI: 0.987 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 1962 /- /- /1210 /341 /257 L 8338 /- /- /5560 /1174 /- Non-Gravity Loc R+ / R- / Rh B 1962 /- /- /1210 /341 /257 L 8338 /- /- /5560 /1174 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 L Brg Width = 3.5 Min Req = 2.6 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B4 2x8 SP 2400f-2.0E;
Webs: 2x4 SP #3; W14 2x6 SP 2400f-2.0E;
Lt Slider: 2x4 SP #3; block length = 1.77'

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

Special Loads
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.21 to 63 plf at 42.62
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 42.62
BC: 4674 lb Conc. Load at 41.79

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

Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

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

Additional Notes
The maximum horizontal reaction is 257#
The overall height of this truss excluding overhang is 9-11-13.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	1283 -304	P - O	1549 -319
S - R	1280 -274	O - N	1326 -232
R - P	1311 -282	N - M	1200 -222

Maximum Web Forces Per Ply (lbs)

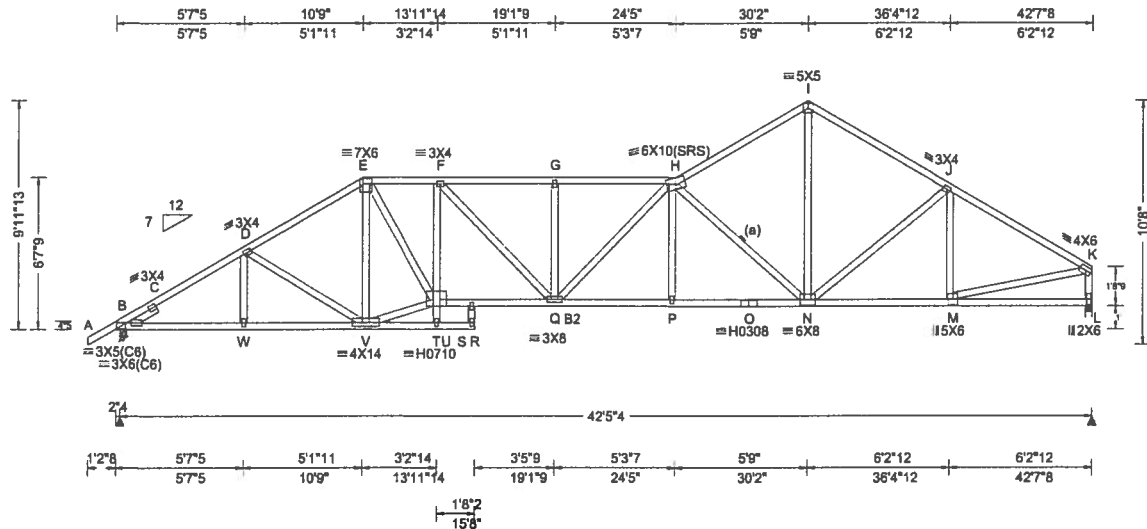
Webs	Tens.Comp.	Webs	Tens. Comp.
B - C	304 -938	N - J	292 -493
U - S	1251 -296	J - M	620 -363
G - O	284 -933	M - K	2591 -473
O - H	1101 -266	K - L	538 -2977



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

ALPINE
AN ITW COMPANY
13723 Riverport Drive
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Maryland Heights, MO 63043

SEQN: 296063 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: B02	Cust: R 215 JRef: 1WPS2150003 T17 DrwNo: 303.19.1201.51733 JB / WHK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.26 ft Loc. from endwall: not in 13.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.257 G 999 240 VERT(CL): 0.532 G 953 180 HORZ(LL): 0.085 L - - HORZ(TL): 0.176 L - - Creep Factor: 2.0 Max TC CSI: 0.662 Max BC CSI: 0.957 Max Web CSI: 0.858 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1870 - / - / - / 1106 / 73 / 257 L 1756 - / - / - / 971 / 73 / - Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.2 L Brg Width = 3.5 Min Req = 2.1 Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber
Top chord: 2x4 SP #2;
Bot chord: 2x4 SP #2; B2 2x4 SP M-31;
Webs: 2x4 SP #3;
Lt Slider: 2x4 SP #3; block length = 1.500'

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

Plating Notes
All plates are 2X4 except as noted.

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

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

Additional Notes
The overall height of this truss excluding overhang is 9-11-13.
Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.



COA #0278
10/30/2019

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	2431 - 630	Q - P	3449 - 827
W - V	2430 - 630	P - O	3446 - 827
T - S	3090 - 742	O - N	3446 - 827
S - Q	3128 - 754	N - M	1910 - 422

Webs	Tens.Comp.	Webs	Tens. Comp.
B - C	528 - 1659	F - Q	471 - 119
E - V	124 - 471	H - N	655 - 2234
E - T	1721 - 429	I - N	1729 - 486
V - T	2253 - 541	M - K	1902 - 415
T - F	186 - 571	K - L	433 - 1703

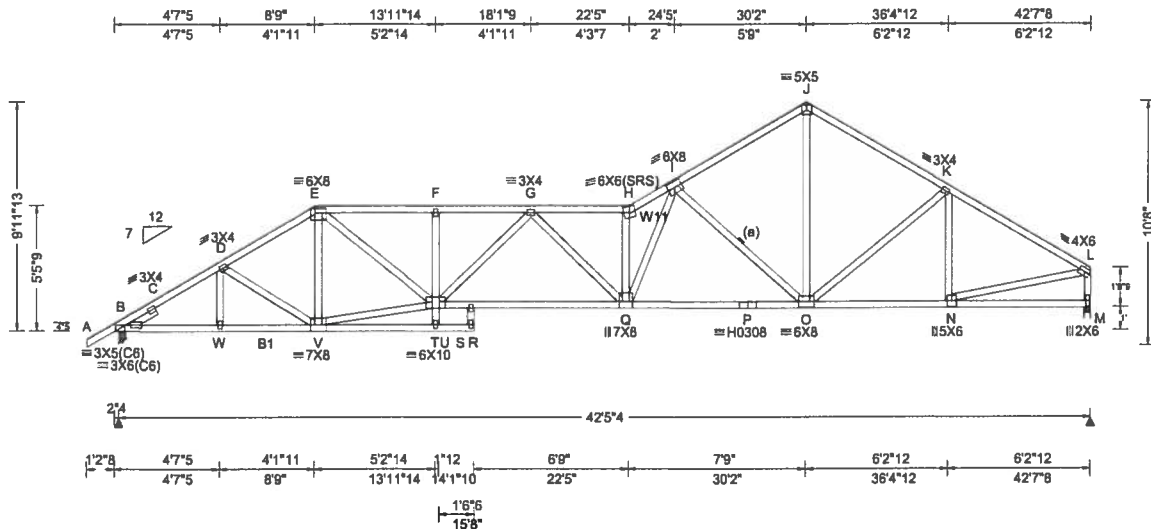
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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SEQN: 296066 FROM: CDM	SPEC Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: B03	Cust: R 215 JRef: 1WPS2150003 T18 DrwNo: 303.19.1201.55363 JB / WHK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 4.26 ft Loc. from endwall: not in 13.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE, HS	PP Deflection in loc L/defl L/# VERT(LL): 0.380 H 999 240 VERT(CL): 0.785 H 646 180 HORZ(LL): 0.109 E - - HORZ(TL): 0.225 E - - Creep Factor: 2.0 Max TC CSI: 0.802 Max BC CSI: 0.941 Max Web CSI: 0.973 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1870 - / - / /1095 /88 /257 M 1756 - / - / /964 /58 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 2.2 M Brg Width = 3.5 Min Req = 1.5 Bearings B & M are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

Top chord: 2x4 SP #2;
Bot chord: 2x4 SP M-31; B1 2x4 SP #2;
Webs: 2x4 SP #3; W11 2x4 SP #2;
Lt Slider: 2x4 SP #3; block length = 1.500'

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Left cantilever is exposed to wind

Additional Notes

The overall height of this truss excluding overhang is 9-11-13.

Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.



COA #0 218

10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - W	2412 - 638	Q - P	3467 - 816
W - V	2412 - 638	P - O	3467 - 816
T - S	4290 - 1056	O - N	1908 - 414
S - Q	4369 - 1082		

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
B - C	506 - 1663	Q - I	2903 - 735
E - T	2087 - 510	I - O	643 - 2231
V - T	2229 - 546	J - O	1747 - 478
T - G	149 - 523	N - L	1900 - 406
Q - H	707 - 2678	L - M	425 - 1700

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

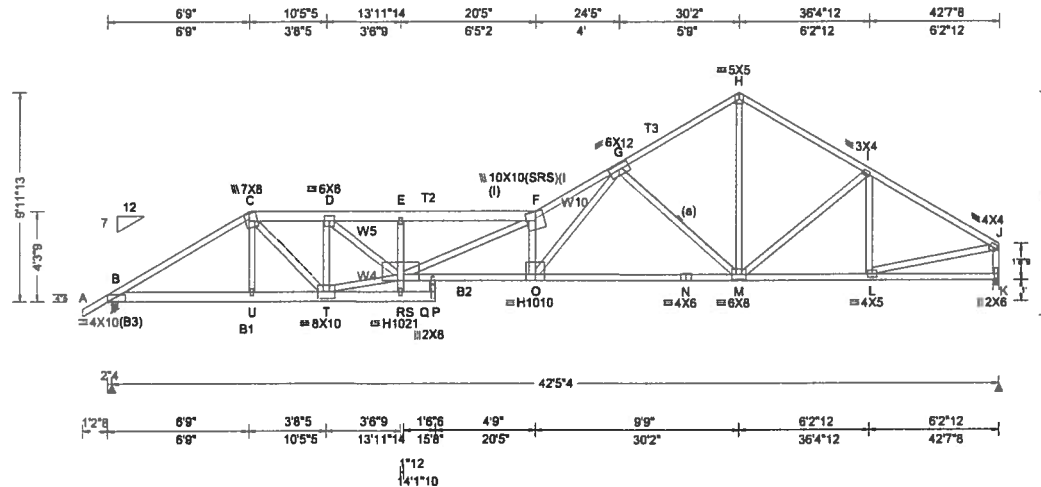
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For more information see this job's general notes page and these web sites: ALPINE: www.alpinetw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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Maryland Heights, MO 63043

2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf ln PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
				Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	B	4007	/-	/-	/-	/685	/-	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.502 F 999 240	K	2547	/-	/-	/-	/423	/-	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 1.020 F 499 180	Wind reactions based on MWFRS							
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.112 C - -	B	Brg Width = 3.5			Min Req = 1.7			
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.228 C - -	K	Brg Width = 3.5			Min Req = 1.5			
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings B & K are a rigid surface.							
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.473	Members not listed have forces less than 375#							
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.961	Maximum Top Chord Forces Per Ply (lbs)							
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Bldg Code: FBC 2017 RES	Max Web CSI: 0.900	Chords		Tens.Comp.		Chords		Tens. Comp.	
	C&C Dist a: 4.26 ft	TPI Std: 2014		B - C	604 - 3594		F - G	1085		- 7048	
	Loc. from endwall: not in 9.00 ft	Rep Fac: Varies by Ld Case									
	GCpi: 0.18	FT/RT:20(0)/10(0)									
	Wind Duration: 1.60	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08								
		WAVE, HS									

Lumber
Top chord: 2x4 SP #2; T2 2x6 SP 2400f-2.0E;
T3 2x4 SP M-31;
Bot chord: 2x4 SP #2; B1 2x6 SP 2400f-2.0E;
B2 2x4 SP M-31;
Webs: 2x4 SP #3; W4, W10 2x4 SP M-31;
W5 2x4 SP #2;

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

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

Plating Notes
All plates are 2X4 except as noted.
(I) - plates so marked were sized using 0% Fabrication Tolerance, 0 degrees Rotational Tolerance, and/or zero Positioning Tolerance.

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

Wind
Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind
Laterally brace Bottom Chord above filler at 24" oc, including a lateral brace at chord ends.

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - U	3069 - 506	O - N	3099 - 498
U - T	3074 - 506	N - M	3099 - 498
R - Q	6036 - 924	M - L	1441 - 239
Q - O	6064 - 928		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
C - T	1858 - 255	F - O	630 - 3952
T - D	338 - 2087	O - G	4963 - 719
T - R	4481 - 704	G - M	355 - 2187
D - R	2933 - 399	H - M	1542 - 201
R - F	748 - 274	L - J	1441 - 236
Q - P	387 - 64	J - K	224 - 1243

Special Loads
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.21 to 63 plf at 6.75
TC: From 32 plf at 6.75 to 32 plf at 12.81
TC: From 63 plf at 12.81 to 63 plf at 42.63
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 6.78
BC: From 10 plf at 6.78 to 10 plf at 12.81
BC: From 20 plf at 12.81 to 20 plf at 42.63
TC: 244 lb Conc. Load at 6.78
TC: 177 lb Conc. Load at 8.81, 10.81, 12.81
BC: 399 lb Conc. Load at 6.78
BC: 120 lb Conc. Load at 8.81, 10.81, 12.81
BC: 1646 lb Conc. Load at 13.54



COA #0278

10/30/2019

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

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

ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 296096	SPEC	Ply: 2	Job Number: 19-3610	Cust: R 215 JRef: 1WPS2150003 T24
FROM: CDM		Qty: 1	/RIVERS /ZECHER CONSTRUCTION	DrwNo: 303.19.1202.03300
Page 2 of 2			Truss Label: B04	JB / WHK 10/30/2019

Additional Notes

The overall height of this truss excluding overhang is 9-11-13.



COA #0238

10/30/2019

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

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

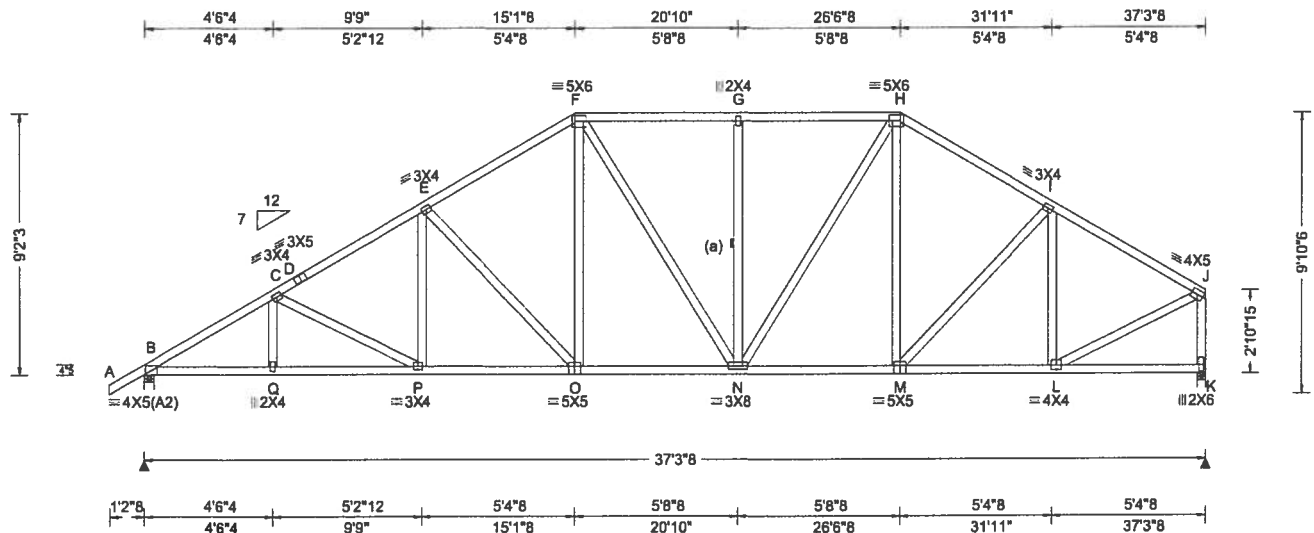
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ALPINE
AN ITW COMPANY
 13723 Riverport Drive
 Suite 200
 Maryland Heights, MO 63043

SEQN: 290379 / FROM: CDM	COMN Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: A06	Cust: R 215 JRef: 1WPS2150003 T75 / DrwNo: 303.19.1200.26086 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.73 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.103 O 999 240 VERT(CL): 0.212 O 999 180 HORZ(LL): 0.044 K - - HORZ(TL): 0.091 K - - Creep Factor: 2.0 Max TC CSI: 0.422 Max BC CSI: 0.771 Max Web CSI: 0.658 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh B 1640 /- /- /996 /85 /230 K 1543 /- /- /856 /25 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.9 K Brg Width = 3.5 Min Req = 1.8 Bearings B & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 9-2-3.



COA #0-278

10/30/2019

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

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

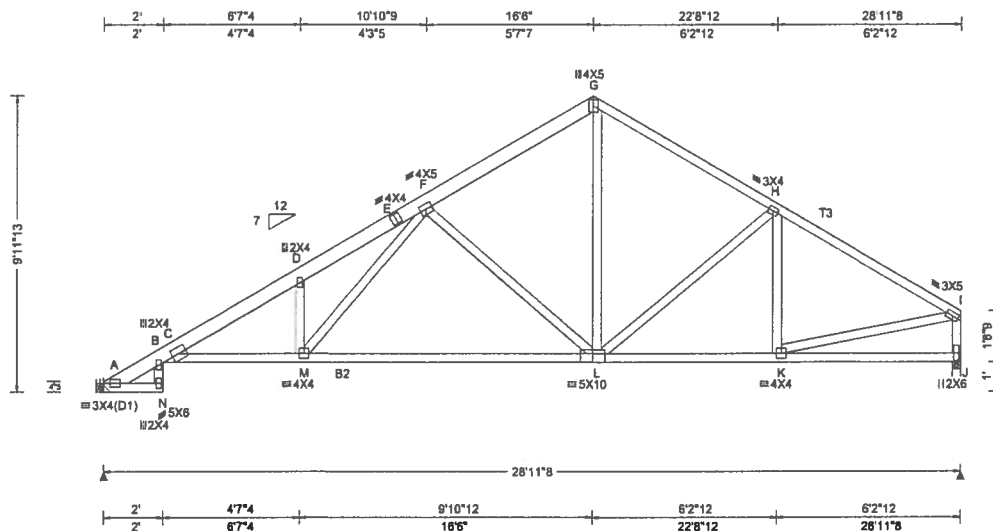
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 296081 FROM: CDM	SPEC Qty: 1	Ply: 1 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: C01	Cust: R 215 JRef: 1WPS2150003 T64 DrwNo: 303.19.1202.07227 JB / WHK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)																																				
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.244 D 999 240 VERT(CL): 0.508 D 680 180 HORZ(LL): 0.162 J - - HORZ(TL): 0.336 J - - Creep Factor: 2.0 Max TC CSI: 0.797 Max BC CSI: 0.812 Max Web CSI: 0.810 VIEW Ver: 18.02.01B.0321.08	<table><tr><th colspan="3">Gravity</th><th colspan="3">Non-Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R-</th><th>/ Rh</th><th>/ Rw</th><th>/ U / RL</th></tr><tr><td>A</td><td>1209</td><td>-</td><td>-</td><td>710</td><td>12 /230</td></tr><tr><td>J</td><td>1199</td><td>-</td><td>-</td><td>653</td><td>16 -</td></tr></table> Wind reactions based on MWFRS A Brg Width = - Min Req = - J Brg Width = 3.5 Min Req = 1.5 Bearing J is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) <table><tr><th>Chords</th><th>Tens.</th><th>Comp.</th><th>Chords</th><th>Tens.</th><th>Comp.</th></tr><tr><td>A - B</td><td>88</td><td>-623</td><td>E - F</td><td>649</td><td>-2673</td></tr></table>	Gravity			Non-Gravity			Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL	A	1209	-	-	710	12 /230	J	1199	-	-	653	16 -	Chords	Tens.	Comp.	Chords	Tens.	Comp.	A - B	88	-623	E - F	649	-2673
Gravity			Non-Gravity																																					
Loc	R+	/ R-	/ Rh	/ Rw	/ U / RL																																			
A	1209	-	-	710	12 /230																																			
J	1199	-	-	653	16 -																																			
Chords	Tens.	Comp.	Chords	Tens.	Comp.																																			
A - B	88	-623	E - F	649	-2673																																			

Lumber

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

Hangers / Ties

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

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

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

Bearing A (0', 9') HUS26

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

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

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9-11-13.



COA #0278

10/30/2019

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

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

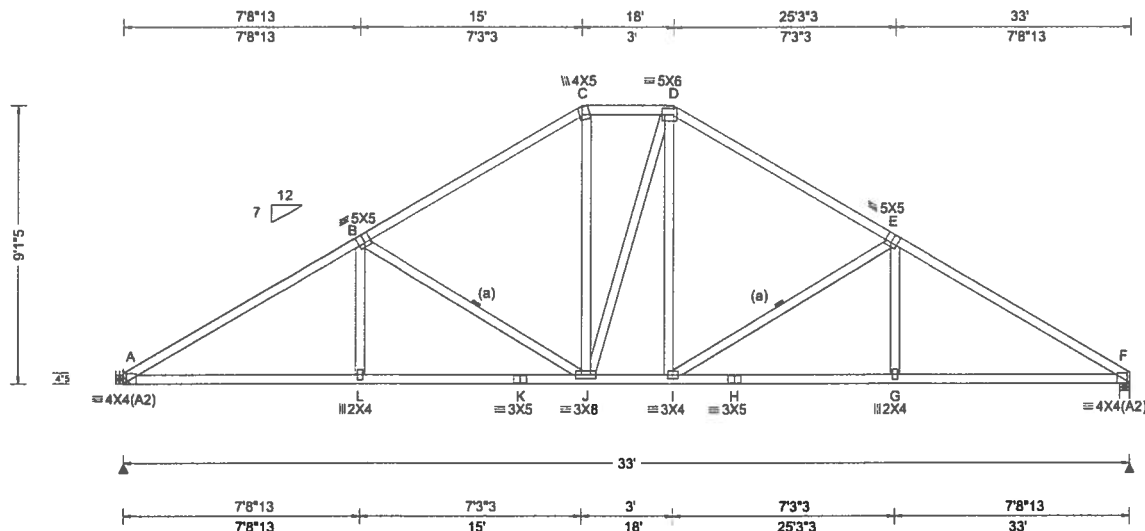
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinat.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 296076 FROM: CDM	HIPS Qty: 1	Ply: 1 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: C02	Cust: R 215 JRef: 1WPS2150003 T74 DrwNo: 303.19.1202.09710 JB / WHK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.30 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.089 I 999 240 VERT(CL): 0.184 I 999 180 HORZ(LL): 0.044 G - - HORZ(TL): 0.092 G - - Creep Factor: 2.0 Max TC CSI: 0.696 Max BC CSI: 0.830 Max Web CSI: 0.269 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1371 /- /- /796 /18 /228 F 1373 /- /- /796 /18 /- Wind reactions based on MWFRS A Brg Width = - Min Req = - F Brg Width = 4.0 Min Req = 1.6 Bearing F 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 497 - 2231 D - E 446 - 1605 B - C 444 - 1599 E - F 496 - 2227 C - D 430 - 1279

Lumber

Top chord: 2x4 SP #2;
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

Purlins

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 9'-1.5."



COA #6278

10/30/2019

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

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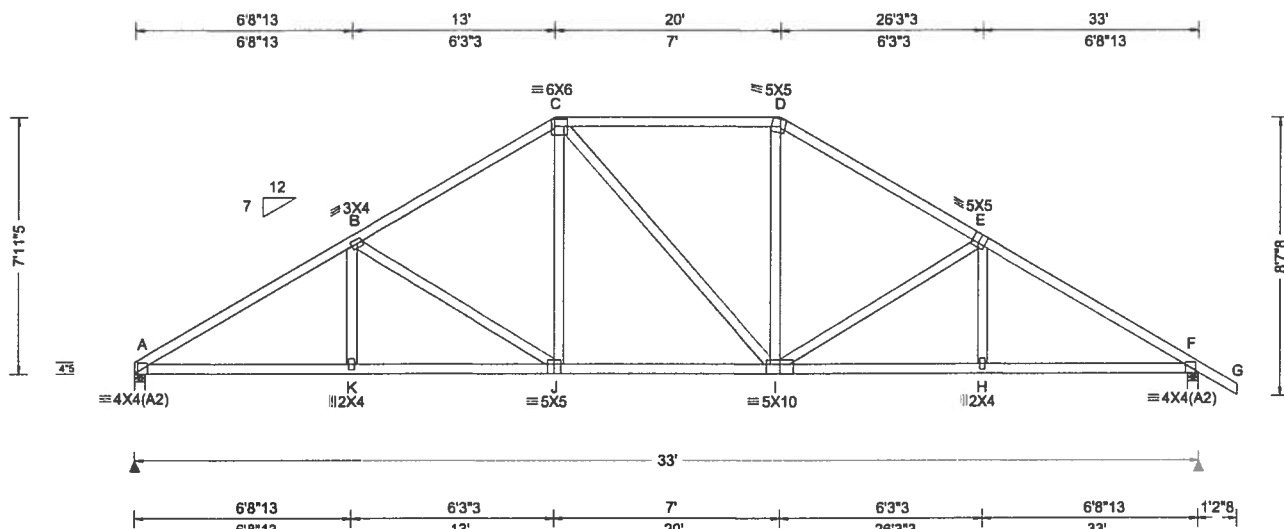
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ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 290454 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: C03	Cust: R 215 JRef: 1WPS2150003 T8 / DrwNo: 303.19.1200.26258 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.30 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.090 J 999 240 VERT(CL): 0.187 J 999 180 HORZ(LL): 0.044 H - - HORZ(TL): 0.092 H - - Creep Factor: 2.0 Max TC CSI: 0.551 Max BC CSI: 0.669 Max Web CSI: 0.563 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1370 /- /- /794 /38 /221 F 1456 /- /- /864 /49 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.6 F Brg Width = 4.0 Min Req = 1.7 Bearings A & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 521 - 2252 D - E 473 - 1737 B - C 483 - 1746 E - F 506 - 2239 C - D 459 - 1423

Lumber

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 7-11-5.



COA #0278

10/30/2019

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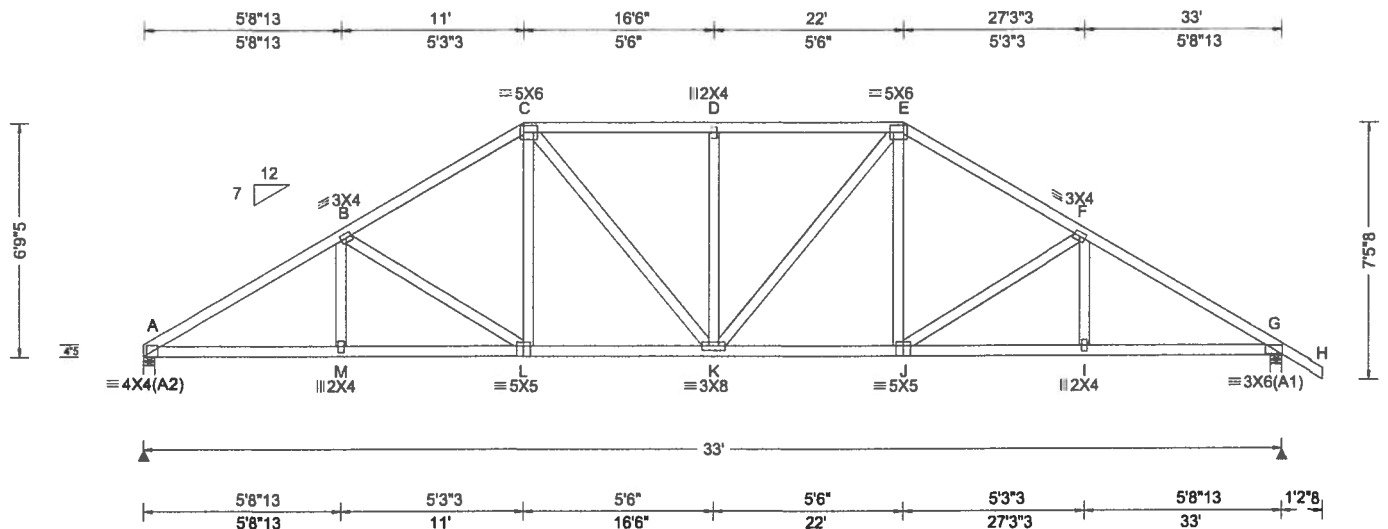
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290457 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: C04	Cust: R 215 JRef: 1WPS2150003 T7 / DrwNo: 303.19.1200.26695 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.30 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.101 D 999 240 VERT(CL): 0.210 D 999 180 HORZ(LL): 0.045 I - - HORZ(TL): 0.093 I - - Creep Factor: 2.0 Max TC CSI: 0.397 Max BC CSI: 0.582 Max Web CSI: 0.324 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1370 /- /- /787 /233 /191 G 1456 /- /- /857 /256 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.6 G Brg Width = 4.0 Min Req = 1.7 Bearings A & G are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. A - B 546 -2284 D - E 529 -1743 B - C 517 -1877 E - F 508 -1873 C - D 529 -1743 F - G 531 -2269

Lumber

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6-9-5.



COA #0-278

10/30/2019

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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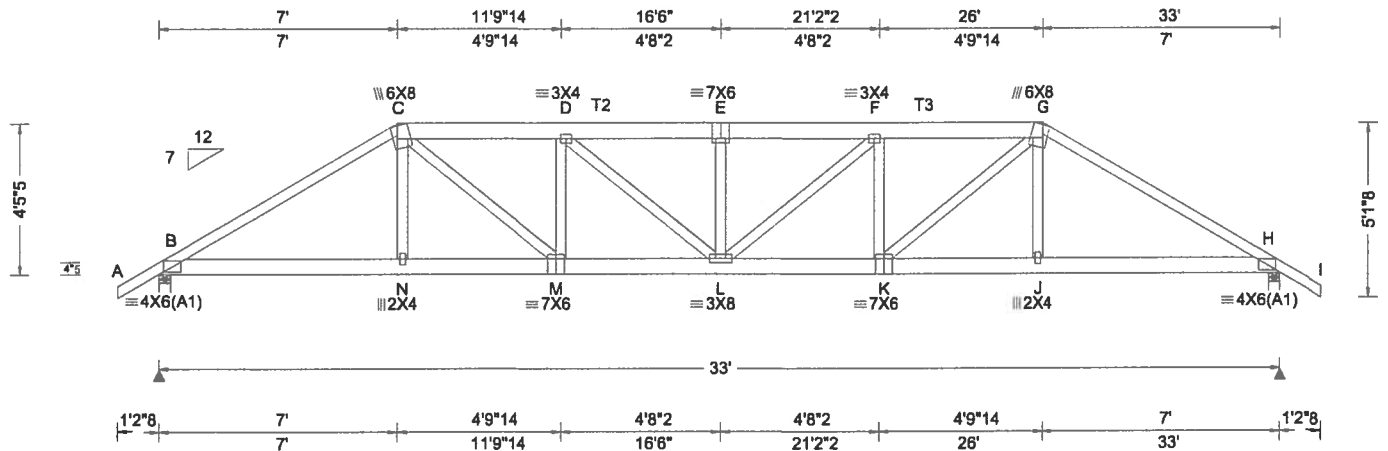
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

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

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SEQN: 290466 / FROM: CDM	HIPS Qty: 1	Ply: 2 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: C06	Cust: R 215 JRef: 1WPS2150003 T9 / DrwNo: 303.19.1200.25838 / YK 10/30/2019
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.30 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.133 E 999 240 VERT(CL): 0.268 E 999 180 HORZ(LL): 0.033 J - - HORZ(TL): 0.066 J - - Creep Factor: 2.0 Max TC CSI: 0.423 Max BC CSI: 0.220 Max Web CSI: 0.461 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 3281 /- /- /- /747 /- H 3281 /- /- /- /747 /- Non-Gravity Loc R+ / R- / Rh B 3281 /- /- /- /747 /- H 3281 /- /- /- /747 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 H Brg Width = 4.0 Min Req = 1.5 Bearings B & H are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 672 - 2922 E - F 868 - 3772 C - D 785 - 3418 F - G 785 - 3418 D - E 868 - 3772 G - H 672 - 2922

Lumber

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

Nailnote

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

Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.21 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 26.00
TC: From 63 plf at 26.00 to 63 plf at 34.21
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 25.97
BC: From 20 plf at 25.97 to 20 plf at 33.00
BC: From 5 plf at 33.00 to 5 plf at 34.21
TC: 269 lb Conc. Load at 7.03,25.97
TC: 192 lb Conc. Load at 9.06,11.06,21.94,23.94
TC: 197 lb Conc. Load at 13.06,15.06,16.50,17.94
19.94
BC: 484 lb Conc. Load at 7.03,25.97
BC: 130 lb Conc. Load at 9.06,11.06,21.94,23.94
BC: 132 lb Conc. Load at 13.06,15.06,16.50,17.94
19.94

Wind

Wind loads and reactions based on MWFRS.

Purlins

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is
4-5-5.



COA #0278

10/30/2019

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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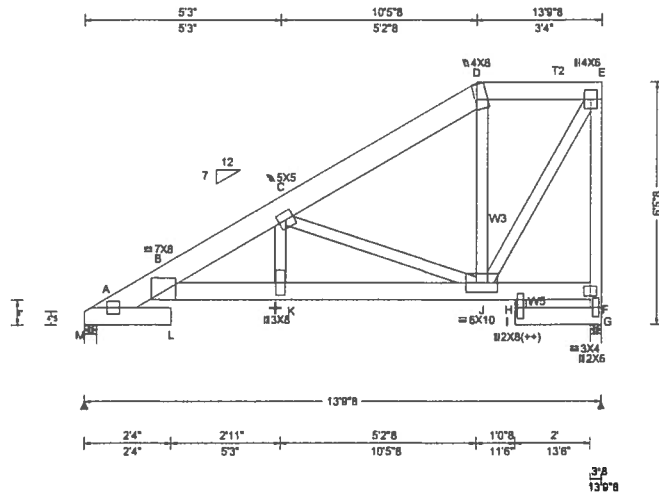
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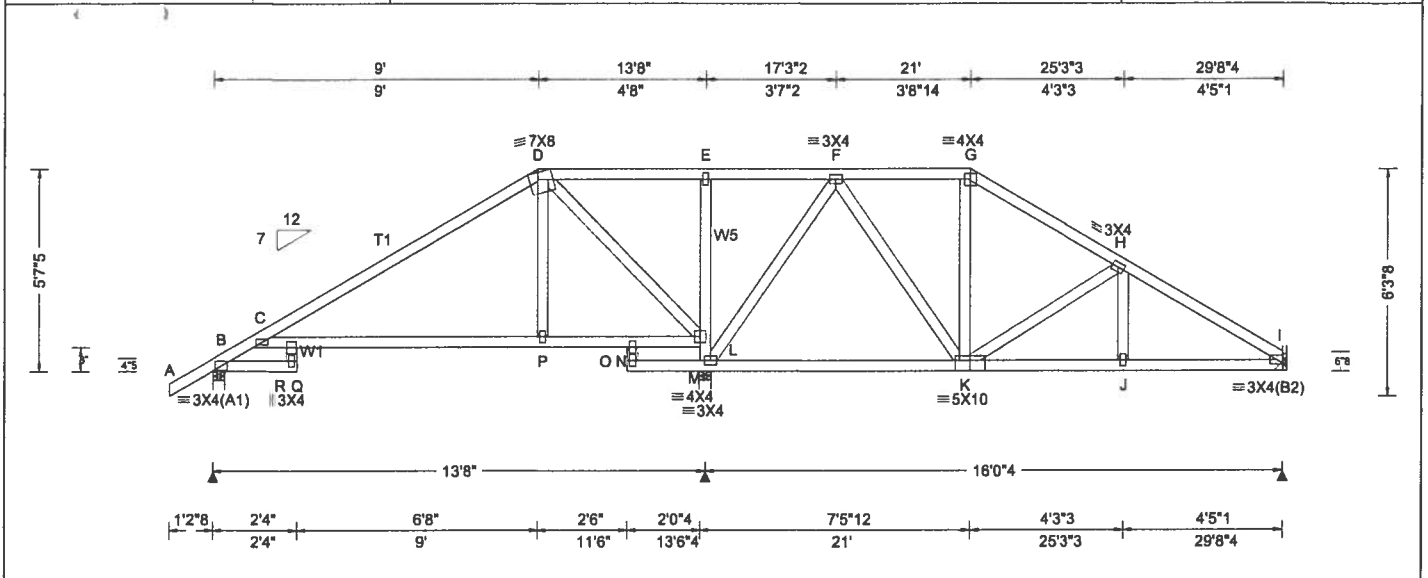
SEQN: 290606 / FROM: CDM	COMN Ply: 3 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: D01	Cust: R 215 JRef: 1WPS2150003 T20 / DrwNo: 303.19.1200.25198 / YK 10/30/2019
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3 Complete Trusses Required



SEQN: 290482 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: D02	Cust: R 215 JRef: 1WPS2150003 T33 / DrwNo: 303.19.1200.25058 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Endlosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.185 Q 887 240 VERT(CL): 0.386 Q 425 180 HORZ(LL): 0.080 R - - HORZ(TL): 0.167 R - - Creep Factor: 2.0 Max TC CSI: 0.914 Max BC CSI: 0.619 Max Web CSI: 0.838 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 486 /- /- /289 /91 /153 L 1580 /- /- /899 /267 /- I 571 /- /- /381 /87 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 L Brg Width = 4.0 Min Req = 1.5 I Brg Width = - Min Req = - Bearings B & L are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

Lumber Top chord 2x4 SP #2 :T1 2x4 SP M-31: Bot chord 2x4 SP #2 Webs 2x4 SP #3 :W1, W5 2x4 SP #2:	Plating Notes All plates are 2X4 except as noted.	Hangers / Ties (J) Hanger Support Required, by others	Purlins In lieu of structural panels use purlins to brace all flat TC @ 24" oc.
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Wind Wind loads based on MWFRS with additional C&C member design.	Additional Notes Refer to General Notes for additional information The overall height of this truss excluding overhang is 5-7-5. Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).	Maximum Bot Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. K - J 623 -111 J - I 625 -110	Maximum Web Forces Per Ply (lbs) Webs Tens.Comp. Webs Tens. Comp. D - M 201 -863 L - F 201 -772 M - L 208 -799 F - K 503 -86
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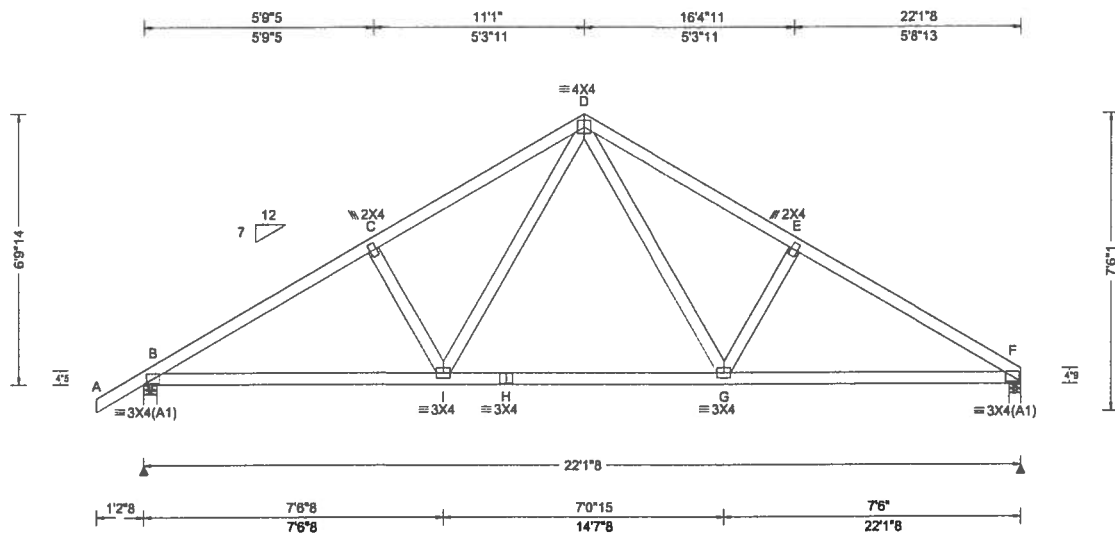
COA #0278
10/30/2019

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SEQN: 290496 / FROM: CDM	SPEC Qty: 3	Ply: 1 Qty: 3	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: G01	Cust: R 215 JRef: 1WPS2150003 T68 / DrwNo: 303.19.1200.25369 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.047 I 999 240 VERT(CL): 0.091 I 999 180 HORZ(LL): 0.020 G - - HORZ(TL): 0.038 G - - Creep Factor: 2.0 Max TC CSI: 0.303 Max BC CSI: 0.634 Max Web CSI: 0.207 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 1059 /- /- /598 /172 /187 F 972 /- /- /528 /149 /- Non-Gravity Loc R+ / R- / Rh B 1059 /- /- /598 /172 /187 F 972 /- /- /528 /149 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = 3.5 Min Req = 1.5 Bearings B & F are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 296 - 1518 D - E 344 - 1362 C - D 331 - 1358 E - F 309 - 1522

Lumber

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

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6'-9"-14".



COA #0278

10/30/2019

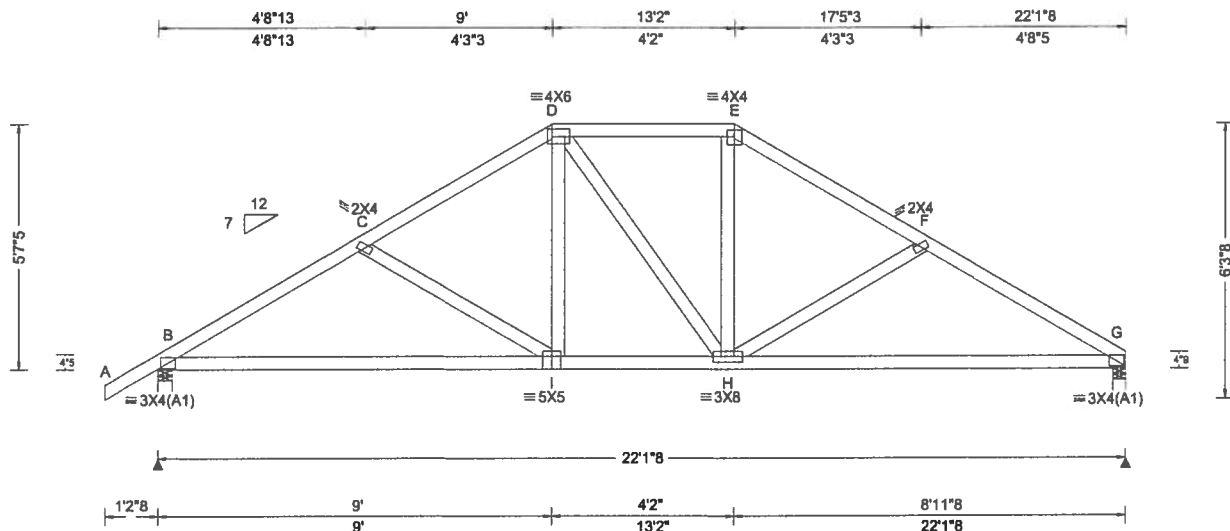
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SEQN: 290499 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: G02	Cust: R 215 JRef: 1WPS2150003 T67 / DrwNo: 303.19.1200.25885 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.038 I 999 240 VERT(CL): 0.077 I 999 180 HORZ(LL): 0.019 H - - HORZ(TL): 0.038 H - - Creep Factor: 2.0 Max TC CSI: 0.253 Max BC CSI: 0.680 Max Web CSI: 0.156 VIEW Ver: 18.02.01B.0321.08	▲ Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 1005 /- /- /599 /175 /156 G 917 /- /- /528 /152 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 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 352 - 1406 E - F 322 - 1138 C - D 318 - 1142 F - G 360 - 1410 D - E 305 - 928

Lumber

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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 5'-7.5.



COA #0278

10/30/2019

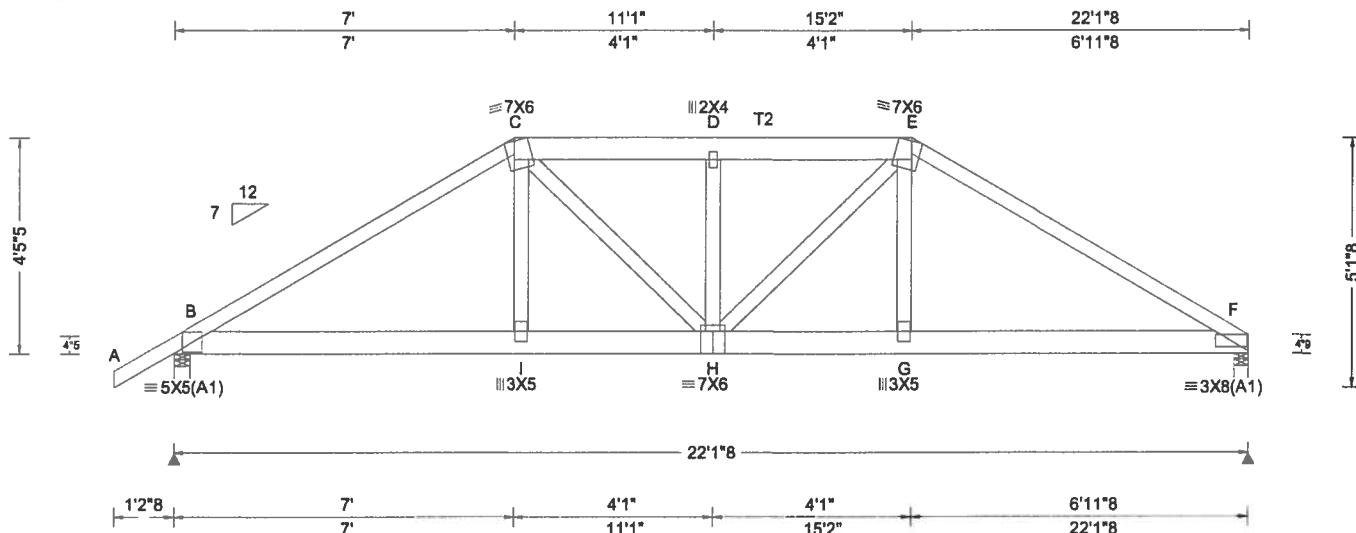
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SEQN: 290502 / FROM: CDM	HIPS Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: G03	Cust: R 215 JRef: 1WPS2150003 T69 / DrwNo: 303.19.1200.25867 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity						
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.082 D 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.166 D 999 180	B	2088	/-	/-	/-	/467	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.023 G - -	F	2004	/-	/-	/-	/435	/-
	EXP: C Kzt: NA		HORZ(TL): 0.046 G - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.7			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.794	F	Brg Width = 3.5		Min Req = 1.7			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.232	Bearings B & F are a rigid surface.						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.250	Members not listed have forces less than 375#						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Maximum Top Chord Forces Per Ply (lbs)						
	Loc. from endwall: not in 9.00 ft			Chords	Tens.Comp.		Chords	Tens. Comp.		
	GCpi: 0.18			B - C	795 - 3500		D - E	758 - 3375		
	Wind Duration: 1.60									

Lumber

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

Special Loads

—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at -1.21 to 63 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 15.17
TC: From 63 plf at 15.17 to 63 plf at 22.13
BC: From 5 plf at -1.21 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 15.14
BC: From 20 plf at 15.14 to 20 plf at 22.13
TC: 274 lb Conc. Load at 7.03,15.14
TC: 197 lb Conc. Load at 9.06,11.08,13.10
BC: 486 lb Conc. Load at 7.03,15.14
BC: 132 lb Conc. Load at 9.06,11.08,13.10

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-5-5.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

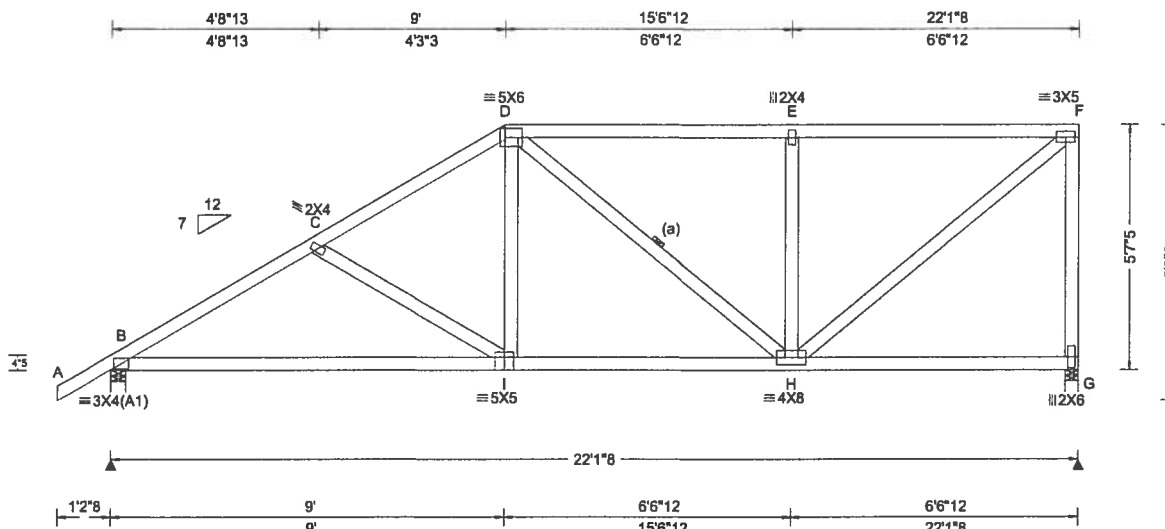
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SEQN: 290505 / FROM: CDM	HIPM Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: G04	Cust: R 215 JRef: 1WPS2150003 T70 / DrwNo: 303.19.1200.26102 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.037 I 999 240 VERT(CL): 0.076 I 999 180 HORZ(LL): 0.013 H - - HORZ(TL): 0.026 H - - Creep Factor: 2.0 Max TC CSI: 0.612 Max BC CSI: 0.719 Max Web CSI: 0.478 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh B 1011 /- /- /632 /161 /170 G 911 /- /- /480 /184 /- Non-Gravity Loc R+ / R- / Rh B 1011 /- /- /632 /161 /170 G 911 /- /- /480 /184 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 G Brg Width = 3.5 Min Req = 1.5 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 312 - 1416 D - E 241 - 858 C - D 280 - 1161 E - F 241 - 858

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 5'-7.5'.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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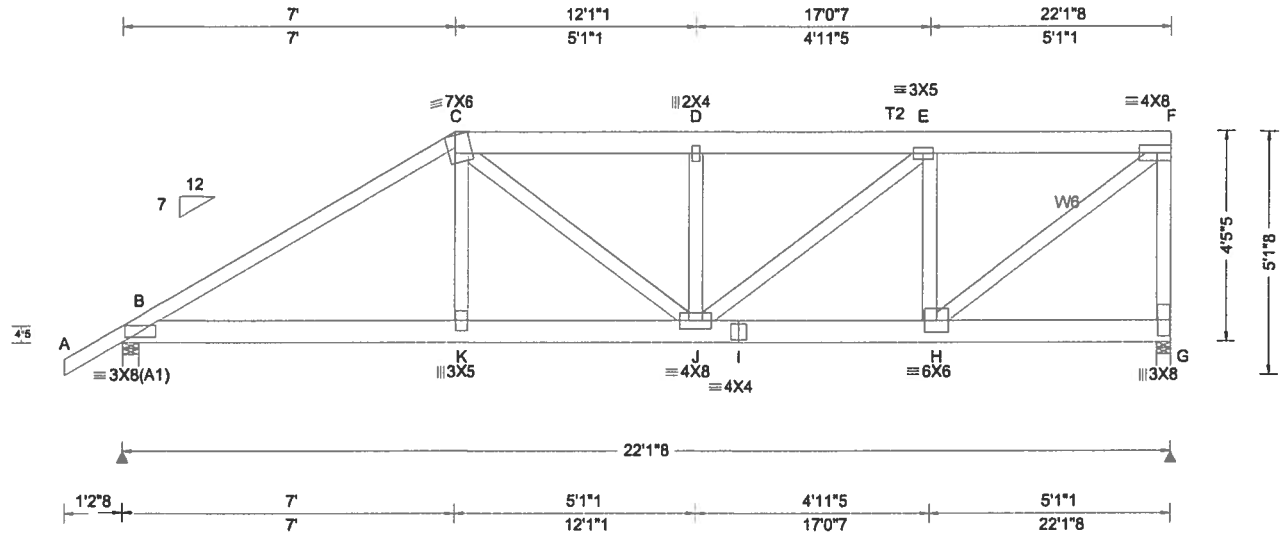
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290508 / FROM: CDM	HIPM Qty: 1	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: G05	Cust: R 215 JRef: 1WPS2150003 T31 / DrwNo: 303.19.1200.26616 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.079 D 999 240 VERT(CL): 0.160 D 999 180 HORZ(LL): 0.017 G - - HORZ(TL): 0.034 G - - Creep Factor: 2.0 Max TC CSI: 0.742 Max BC CSI: 0.221 Max Web CSI: 0.651 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 2030 /- /- /- /457 /- G 2078 /- /- /- /469 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.7 G Brg Width = 3.5 Min Req = 1.7 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 776 -3397 D - E 734 -3226 C - D 735 -3228 E - F 510 -2250

Lumber	Additional Notes	Maximum Bot Chord Forces Per Ply (lbs)
Top chord 2x4 SP #2 :T2 2x6 SP 2400f-2.0E: Bot chord 2x6 SP 2400f-2.0E Webs 2x4 SP #3 :W6 2x4 SP #2:	Refer to General Notes for additional information The overall height of this truss excluding overhang is 4-5-5.	Chords Tens.Comp. Chords Tens. Comp. B - K 2857 -637 J - I 2354 -543 K - J 2882 -638 I - H 2354 -543

Special Loads	Maximum Web Forces Per Ply (lbs)
—(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25) TC: From 63 plf at -1.21 to 63 plf at 7.00 TC: From 32 plf at 7.00 to 32 plf at 19.06 TC: From 63 plf at 19.06 to 63 plf at 22.13 BC: From 5 plf at -1.21 to 5 plf at 0.00 BC: From 20 plf at 0.00 to 20 plf at 7.03 BC: From 10 plf at 7.03 to 10 plf at 19.06 BC: From 20 plf at 19.06 to 20 plf at 22.13 TC: 269 lb Conc. Load at 7.03 TC: 192 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06 BC: 484 lb Conc. Load at 7.03 BC: 130 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06	Webs Tens.Comp. Webs Tens. Comp. C - K 692 -24 E - H 447 -1428 C - J 438 -122 H - F 2882 -653 D - J 252 -620 F - G 485 -2000 J - E 1133 -249

Purlins

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

Wind

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

COA #0278
10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.
B - K 2857 -637 J - I 2354 -543
K - J 2882 -638 I - H 2354 -543

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

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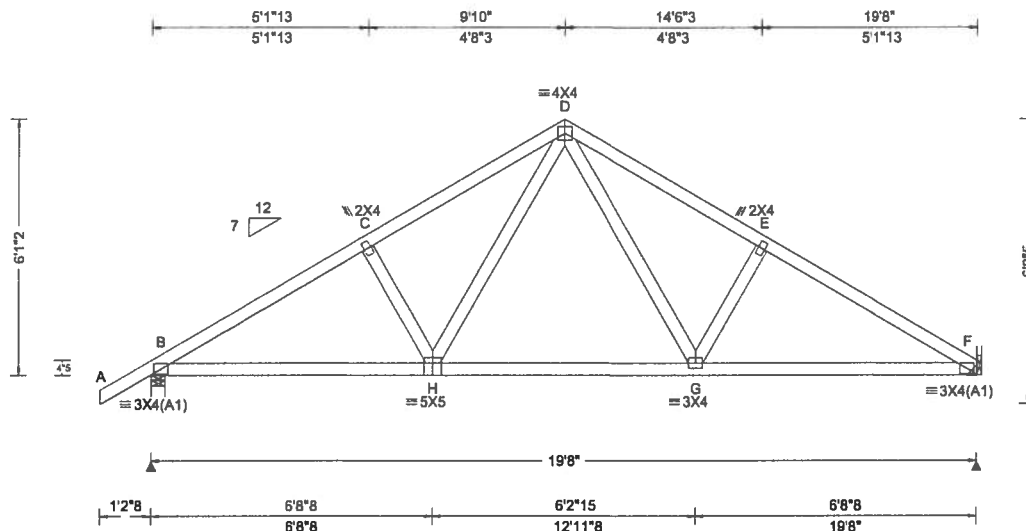
Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290511 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: H01	Cust: R 215 JRef: 1WPS2150003 T62 / DrwNo: 303.19.1200.25229 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.031 H 999 240 VERT(CL): 0.064 H 999 180 HORZ(LL): 0.013 G - - HORZ(TL): 0.027 G - - Creep Factor: 2.0 Max TC CSI: 0.251 Max BC CSI: 0.481 Max Web CSI: 0.164 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 904 /- /- /540 /14 /169 F 814 /- /- /469 /8 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 F Brg Width = - Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 264 - 1232 D - E 311 - 1106 C - D 296 - 1091 E - F 279 - 1247

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.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 6'-1.2.



COA #0-278

10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)			
Chords	Tens.Comp.	Chords	Tens. Comp.
B - H	1002 - 172	G - F	1019 - 176
H - G	683 - 59		

Maximum Web Forces Per Ply (lbs)			
Webs	Tens.Comp.	Webs	Tens. Comp.
H - D	406 - 106	D - G	430 - 114

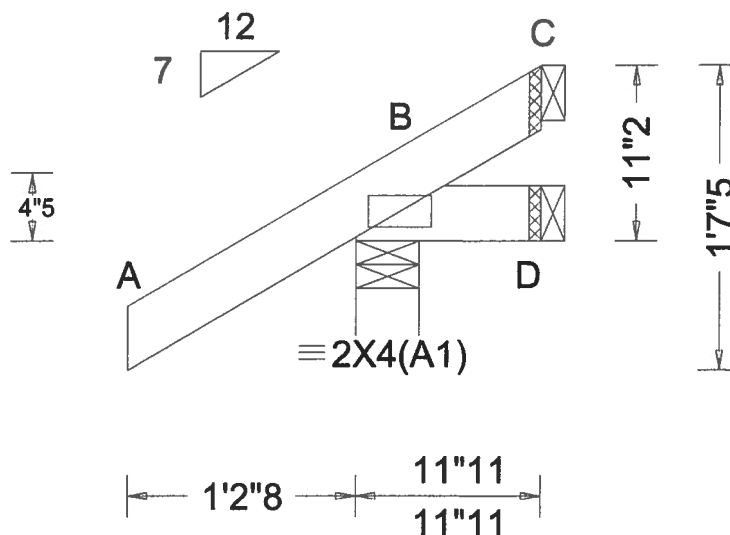
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289859 / FROM: CDM	JACK Ply: 1 Qty: 12	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J01	Cust: R 215 JRef: 1WPS2150003 T12 / DrwNo: 303.19.1200.25712 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	204	/-	/-	/163	/46	/36
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	8	/-8	/-	/14	/11	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	C	-	/-33	/-	/23	/38	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D - -	Creep Factor: 2.0						
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria		Wind reactions based on MWFRS						
Soffit: 2.00	TCDL: 5.0 psf		Bldg Code: FBC 2017 RES	Max TC CSI: 0.116	B Brg Width = 4.0		Min Req = 1.5			
Load Duration: 1.25	BCDL: 5.0 psf		TPI Std: 2014	Max BC CSI: 0.014	D Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5		Min Req = -			
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.						
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#						
	GCpi: 0.18	WAVE		VIEW Ver: 18.02.01B.0321.08						
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-11-2.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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

Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	GravityNon-Gravity LocR+ / R- / Rh / Rw / U / RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Cs: NA	VERT(LL): NA	B 214 /- /- /172 /48 /36
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D 7 /-10 /- /14 /12 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	C - /-42 /- /25 /46 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D - -	Creep Factor: 2.0
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Max TC CSI: 0.116	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.015	B Brg Width = 3.5 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max Web CSI: 0.000	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes		C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: Any	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

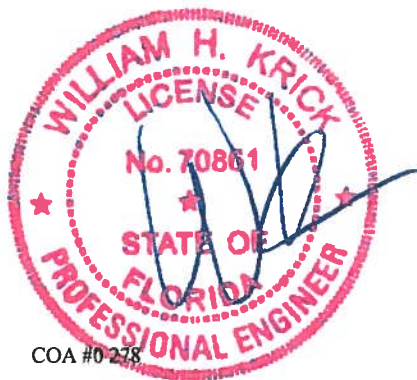
Wind loads based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is
0-11-2.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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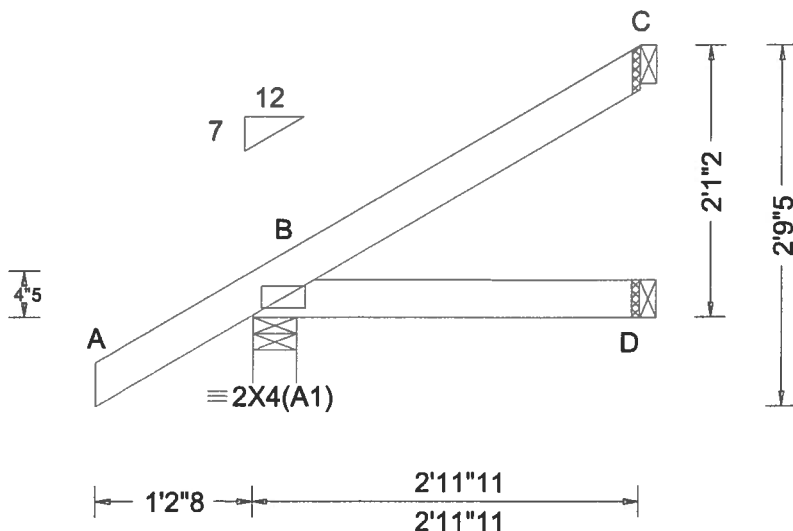
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Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from this drawing any failure to build the structure in accordance with ANSI/TPI 1 for handling, shipping, installation and bracing of trusses. A seal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

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



SEQN: 289844 / FROM: CDM	JACK Qty: 10	Ply: 1 Qty: 10	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J03	Cust: R 215 JRef: 1WPS2150003 T11 / DrwNo: 303.19.1200.26024 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection In loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	234	/-	/-	/170	/31	/69
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	51	/-	/-	/38	/-	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 D - -	C	68	/-	/-	/32	/29	/-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.001 D - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.116	D	Brg Width = 1.5		Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: Yes	Max BC CSI: 0.077	C	Brg Width = 1.5		Min Req = -		
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		FT/RT:20(0)/10(0)	Max Web CSI: 0.000	Bearing B is a rigid surface.					
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08	Members not listed have forces less than 375#						
	Loc. from endwall: Any	WAVE								
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-11".

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0 278

10/30/2019

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

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

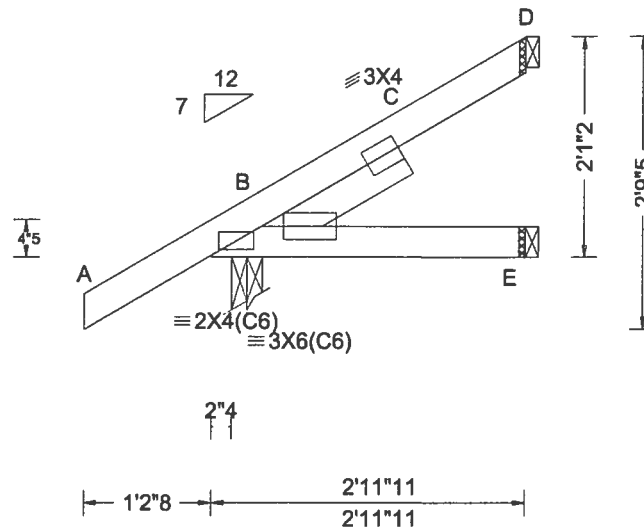
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289907 / FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J04	Cust. R 215 JRef: 1WPS2150003 T37 / DrwNo: 303.19.1200.25587 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.002 C - - HORZ(TL): 0.004 C - - Creep Factor: 2.0 Max TC CSI: 0.142 Max BC CSI: 0.063 Max Web CSI: 0.050 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 250 /- /- /186 /32 /69 E 45 /- /- /34 /- /- D 58 /- /- /25 /29 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0328
10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

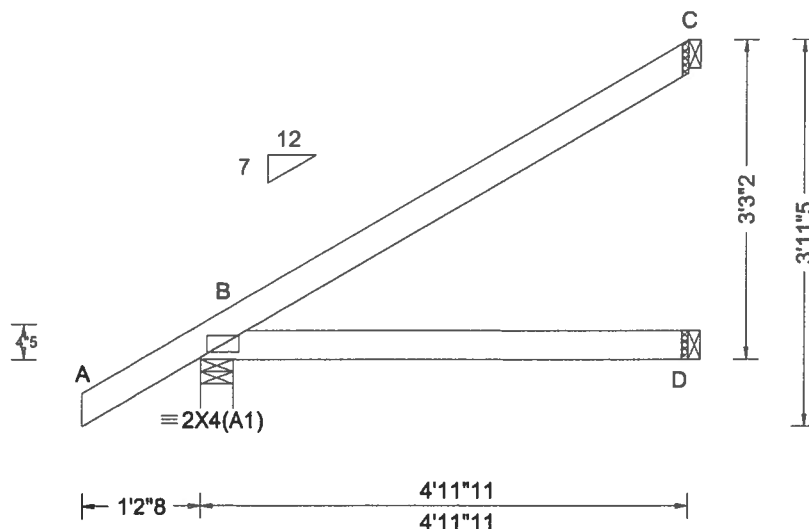
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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

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

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

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



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	B 308 -/- -/216 /33 /102
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.005 D - -	D 91 -/- -/63 -/- -/
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.009 D - -	C 132 -/- -/68 /55 -/
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.331	B Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TCI Std: 2014	Max BC CSI: 0.254	D Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000	C Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE		
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information.

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0378

10/30/2019

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

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

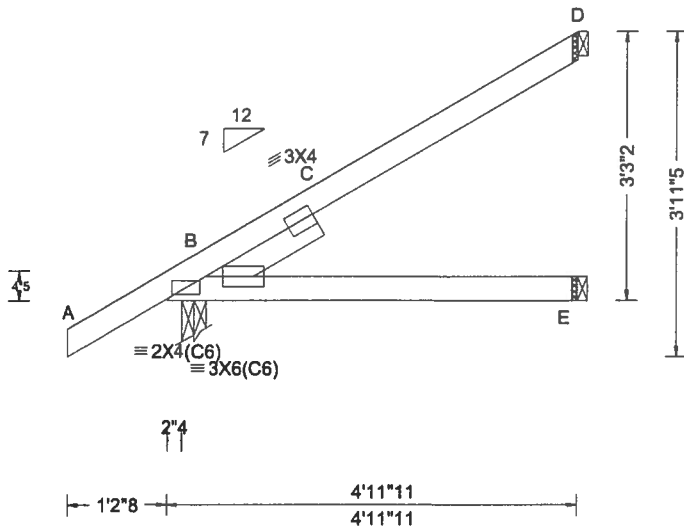
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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



SEQN: 289841 / FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J06	Cust: R 215 JRef: 1WPS2150003 T36 / DrwNo: 303.19.1200.25290 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	320	/-	/-	/228	/33	/102
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E	85	/-	/-	/60	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.020 C - -	D	123	/-	/-	/64	/53	/-
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.040 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5		
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.303	E	Brg Width = 1.5		Min Req = -		
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: Yes	Max BC CSI: 0.225	D	Brg Width = 1.5		Min Req = -		
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		FT/RT:20(0)/10(0)	Max Web CSI: 0.098	Bearing B is a rigid surface.					
	C&C Dist a: 3.00 ft	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08	Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft	WAVE								
	GCpi: 0.18									
	Wind Duration: 1.60									

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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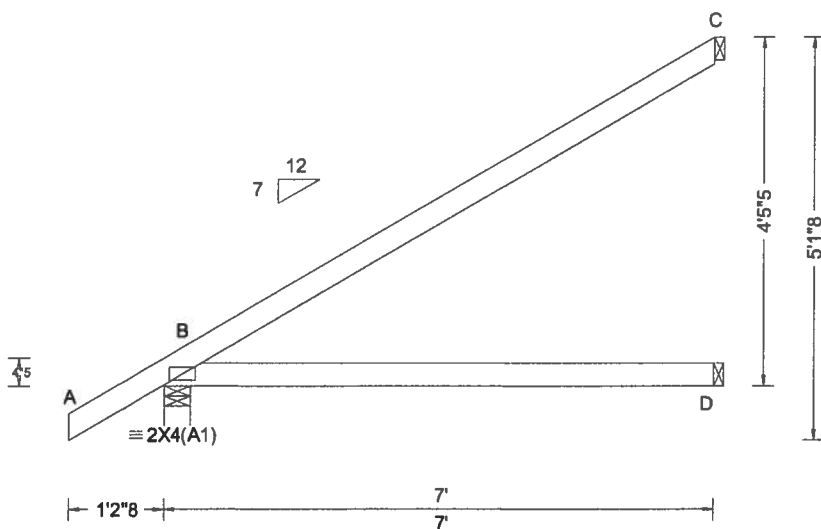
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 289843 / FROM: CDM	EJAC Qty: 14	Ply: 1 Qty: 14	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J07	Cust: R 215 JRef: 1WPS2150003 T14 / DrwNo: 303.19.1200.25790 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	388	/-	/-	/268	/35	/136
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	130	/-	/-	/92	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.014 D - -	C	192	/-	/-	/102	/79	/-
	EXP: C Kzt: NA		HORZ(TL): 0.029 D - -	Wind reactions based on MWFRS						
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.748	D	Brg Width = 1.5		Min Req = -			
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.526	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.000	Bearing B is a rigid surface.						
Spacing: 24.0 "	C&C Dist a: 3.00 ft			Members not listed have forces less than 375#						
	Loc. from endwall: not in 4.50 ft									
	GCpi: 0.18									
	Wind Duration: 1.60									
			VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

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

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

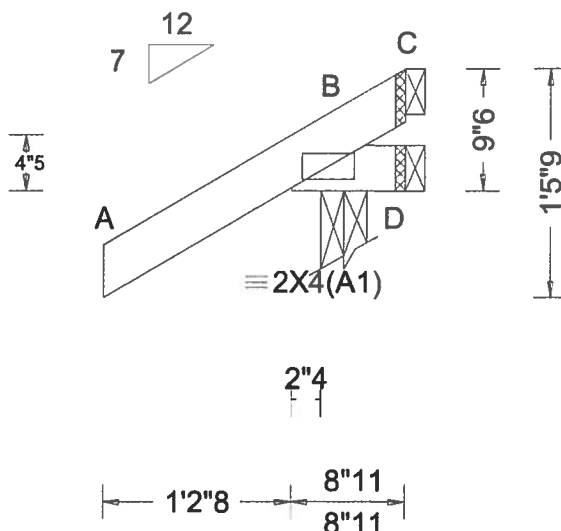
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 289887 / FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J08	Cust: R 215 JRef: 1WPS2150003 T23 / DrwNo: 303.19.1200.26134 / YK 10/30/2019
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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 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCCL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.000 D - - Creep Factor: 2.0 Max TC CSI: 0.108 Max BC CSI: 0.015 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 226 /- /- /205 /69 /31 D 1 /-17 /- /13 /18 /- C - /-76 /- /37 /79 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-9-6.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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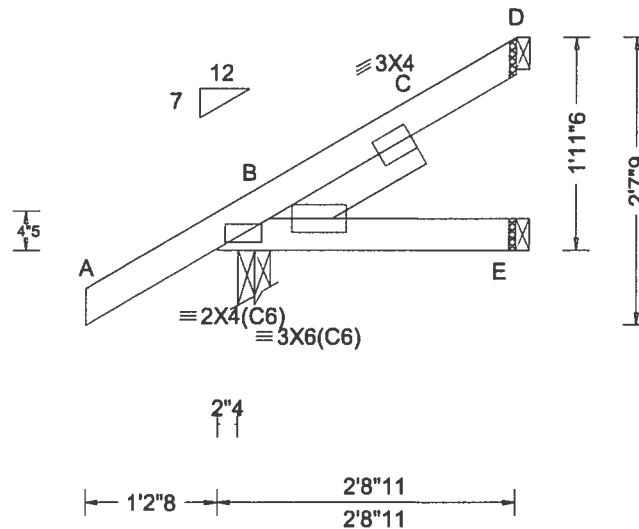
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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AN ITW COMPANY
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Suite 305
Orlando FL, 32821

SEQN: 289916 / FROM: CDM	JACK Qty: 2	Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J09	Cust: R 215 JRef: 1WPS2150003 T22 / DrwNo: 303.19.1200.25759 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	243	/-	/-	/182	/33	/65
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	E	40	/-	/-	/31	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	D	48	/-	/-	/23	/25	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	B	Brg Width = 3.5		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.139	E	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.053	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.046	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Bldg Code: FBC 2017 RES		Members not listed have forces less than 375#						
	Loc. from endwall: Any	TPI Std: 2014								
	GCpi: 0.18	Rep Fac: Yes								
	Wind Duration: 1.60	FT/RT:20(0)/10(0)								
		Plate Type(s):								
		WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-11-6.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278
10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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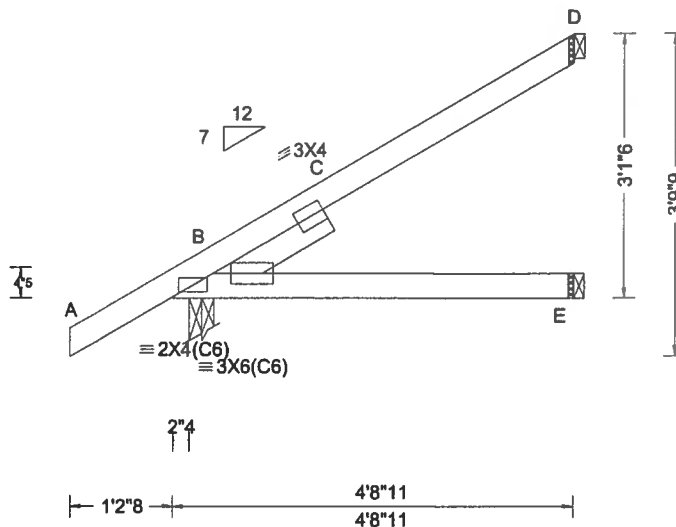
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ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289850 / FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J10	Cust: R 215 JRef: 1WPS2150003 T21 / DrwNo: 303.19.1200.25572 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.016 C - - HORZ(TL): 0.033 C - - Creep Factor: 2.0 Max TC CSI: 0.265 Max BC CSI: 0.199 Max Web CSI: 0.090 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity Loc R+ / R- / Rh B 311 /- /- /222 /33 /98 E 80 /- /- /56 /0 /- D 116 /- /- /59 /50 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

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

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-1-6.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

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

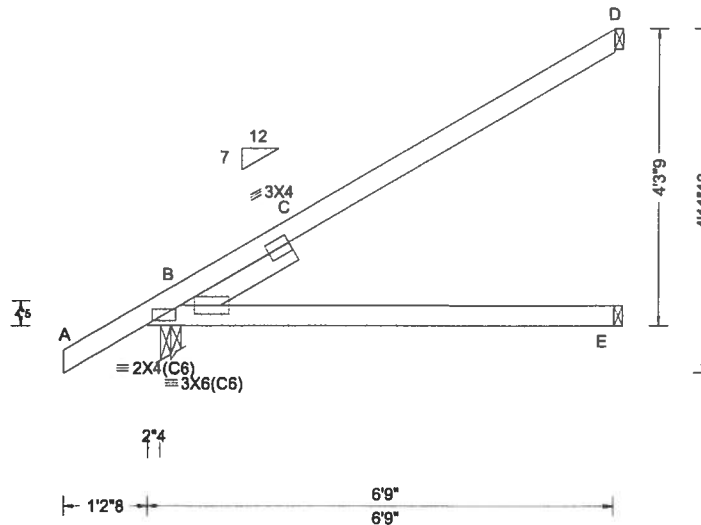
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ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289842 / FROM: CDM	EJAC Qty: 4	Ply: 1 Qty: 4	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J11	Cust: R 215 JRef: 1WPS2150003 T26 / DrwNo: 303.19.1200.25028 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity						
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	389	/-	/-	/272	/35	/132
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.067 C - -	E	120	/-	/-	/84	/2	/-
	EXP: C Kzt: NA		HORZ(TL): 0.136 C - -	D	177	/-	/-	/94	/74	/-
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Wind reactions based on MWFRS						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.654	B	Brg Width = 3.5			Min Req = 1.5		
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.445	E	Brg Width = 1.5			Min Req = -		
Load Duration: 1.25	MWFRS Parallel Dist: h/2 to h	TPI Std: 2014	Max Web CSI: 0.158	D	Brg Width = 1.5			Min Req = -		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		Bearing B is a rigid surface.						
	Loc. from endwall: not in 4.50 ft	FT/RT:20(0)/10(0)		Members not listed have forces less than 375#						
	GCpi: 0.18	Plate Type(s):	VIEW Ver: 18.02.01B.0321.08	Maximum Top Chord Forces Per Ply (lbs)						
	Wind Duration: 1.60	WAVE		Chords Tens.Comp.						

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
: Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.819'

Wind

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

Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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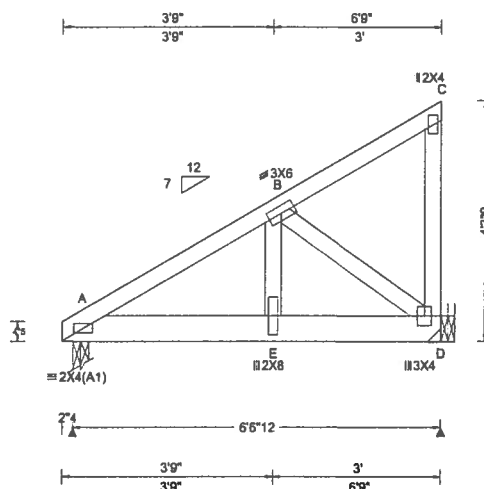
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2 Complete Trusses Required



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 0.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: No FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.019 E 999 180 HORZ(LL): -0.004 C - - HORZ(TL): 0.008 C - - Creep Factor: 2.0 Max TC CSI: 0.104 Max BC CSI: 0.193 Max Web CSI: 0.396 VIEW Ver: 18.02.01B.0321.08	Maximum Reactions (lbs) Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1457 /- /- /- /74 /- D 1646 /- /- /- /80 /- Wind reactions based on MWFRS A Brg Width = 3.5 Min Req = 1.5 D Brg Width = - 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. A - B 50 - 1047

Lumber

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

Nailnote

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 6.75
BC: From 20 plf at 0.00 to 20 plf at 2.81
BC: From 10 plf at 2.81 to 10 plf at 6.75
BC: 1371 lb Conc. Load at 2.81
BC: 1209 lb Conc. Load at 4.81

Wind

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

Additional Notes

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



COA #6218
10/30/2019

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
A - E	888 -36	E - D	854 -36

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - B	1039 -2	B - D	45 -1063

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ALPINE
AN ITW COMPANY
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 296093	MONO	Ply: 2	Job Number: 19-3610	Cust: R 215 JRef: 1WPS2150003 T76
FROM: CDM		Qty: 1	/RIVERS /ZECHER CONSTRUCTION	DrwNo: 303.19.1202.15843
Page 2 of 2			Truss Label: J11A	JB / WHK 10/30/2019

Hangers / Ties

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

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

Bearing at location x=6'6" uses the following support conditions: 6'6"

Bearing D (6'6", 9') HGUS26-2

Supporting Member: (2)2x6 SP 2400f-2.0E
(20) 0.148"x3" nails into supporting

member,

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



COA #0-278

10/30/2019

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

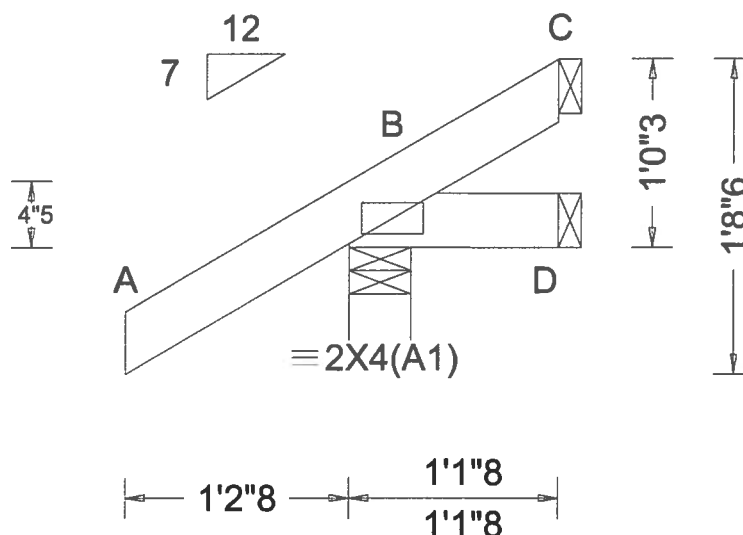
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ALPINE
13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	Non-Gravity
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	Loc R+ / R- / Rh / Rw / U / RL
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	B 198 /- /- /157 /41 /38
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D - -	D 11 /-5 /- /16 /10 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	C - /-18 /- /19 /27 /-
Soffit: 2.00	TCDL: 5.0 psf	Bldg code: FBC 2017 RES	Max TC CSI: 0.116	Wind reactions based on MWFRS
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.016	B Brg Width = 4.0 Min Req = 1.5
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	Rep Fac: Yes	Max Web CSI: 0.000	D Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		C Brg Width = 1.5 Min Req = -
	Loc. from endwall: not in 9.00 ft	Plate Type(s):		Bearing B is a rigid surface.
	GCpi: 0.18	WAVE		Members not listed have forces less than 375#
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08	

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

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

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 1-0-3.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278
10/30/2019

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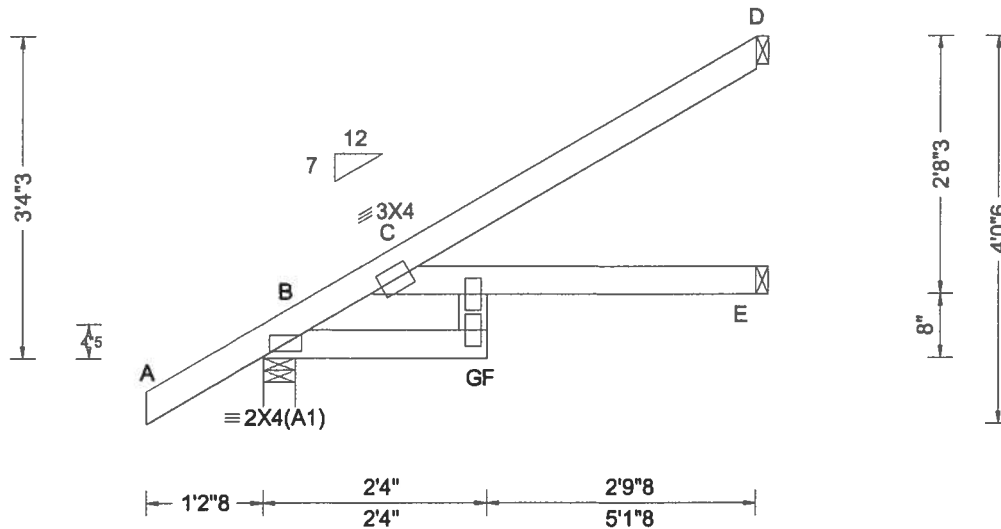
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SEQN: 290514 / FROM: CDM	JACK Ply: 1 Qty: 3	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J13	Cust: R 215 JRef: 1WPS2150003 T52 / DrwNo: 303.19.1200.25182 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.037 F 999 240	B	314	-	-	/220	/33	/105	
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.075 F 801 180	E	89	-	-	/62	/2	-	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.019 G - -	D	136	-	-	/73	/54	-	
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.037 G - -	Wind reactions based on MWFRS							
NCBCLL: 10.00	Mean Height: 15.00 ft		Bldg Code: FBC 2017 RES	Creep Factor: 2.0	B Brg Width = 4.0 Min Req = 1.5						
Soffit: 2.00	TCDL: 5.0 psf		TPI Std: 2014	Max TC CSI: 0.352	E Brg Width = 1.5 Min Req = -						
Load Duration: 1.25	BCDL: 5.0 psf		Rep Fac: Yes	Max BC CSI: 0.245	D Brg Width = 1.5 Min Req = -						
Spacing: 24.0 "	MWFRS Parallel Dist: h/2 to h	FT/RT:20(0)/10(0)	Max Web CSI: 0.105	Bearing B is a rigid surface.							
	C&C Dist a: 3.00 ft	Plate Type(s):		Members not listed have forces less than 375#							
	Loc. from endwall: not in 9.00 ft	WAVE									
	GCpi: 0.18										
	Wind Duration: 1.60		VIEW Ver: 18.02.01B.0321.08								

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-4-3.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278
10/30/2019

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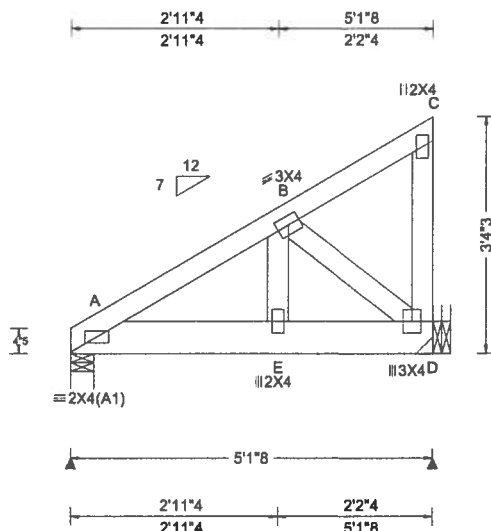
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6750 Forum Drive
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SEQN: 290517 / FROM: CDM	MONO Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J15	Cust: R 215 JRef: 1WPS2150003 T61 / DrwNo: 303.19.1200.26150 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	A	384	/-	/-	/-	/59	/-
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.003 E 999 240	D	343	/-	/-	/-	/56	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.005 E 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -	A Brg Width = 4.0 Min Req = 1.5						
Des Ld: 40.00	EXP: C Kzt: NA	Code / Misc Criteria	HORZ(TL): 0.002 C - -	D Brg Width = - Min Req = -						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
Soffit: 2.00	TCDL: 5.0 psf		Max TC CSI: 0.084	Members not listed have forces less than 375#						
Load Duration: 1.25	BCDL: 5.0 psf		Max BC CSI: 0.072	Maximum Top Chord Forces Per Ply (lbs)						
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2		Max Web CSI: 0.106	Chords Tens.Comp.						
	C&C Dist a: 3.00 ft	Rep Fac: Varies by Ld Case	VIEW Ver: 18.02.01B.0321.08	A - B 67 -412						
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE								

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 5.12
BC: From 10 plf at 0.00 to 10 plf at 5.12
BC: 134 lb Conc. Load at 1.19
BC: 217 lb Conc. Load at 3.19

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-4-3.



COA #0278

10/30/2019

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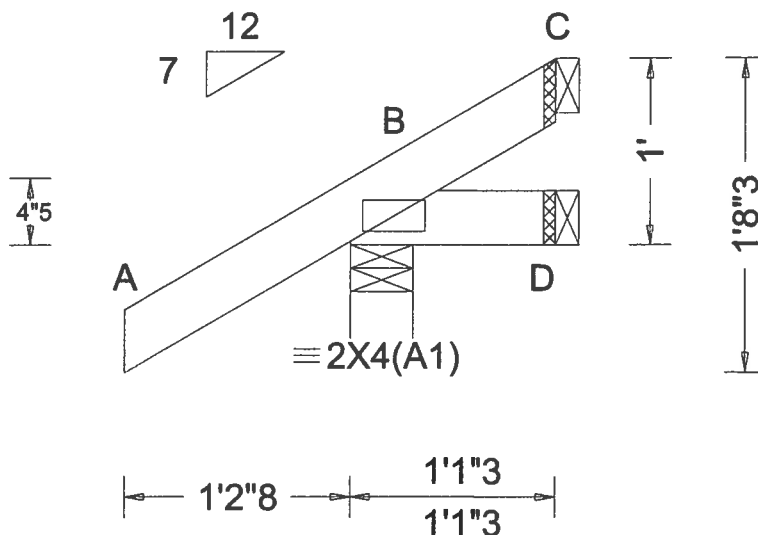
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AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289868 / FROM: CDM	JACK Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J16	Cust: R 215 JRef: 1WPS2150003 T55 / DrwNo: 303.19.1200.25884 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	B	199	/-	/-	/158	/41	/38
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	D	11	/-5	/-	/15	/10	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.000 D - -	C	-	/-20	/-	/20	/28	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.000 D - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	B	Brg Width = 4.0		Min Req = 1.5			
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.116	D	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.016	C	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Trj Std: 2014	Max Web CSI: 0.000	Bearing B is a rigid surface.						
	C&C Dist a: 3.00 ft	Rep Fac: Yes		Members not listed have forces less than 375#						
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE								
			VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

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

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

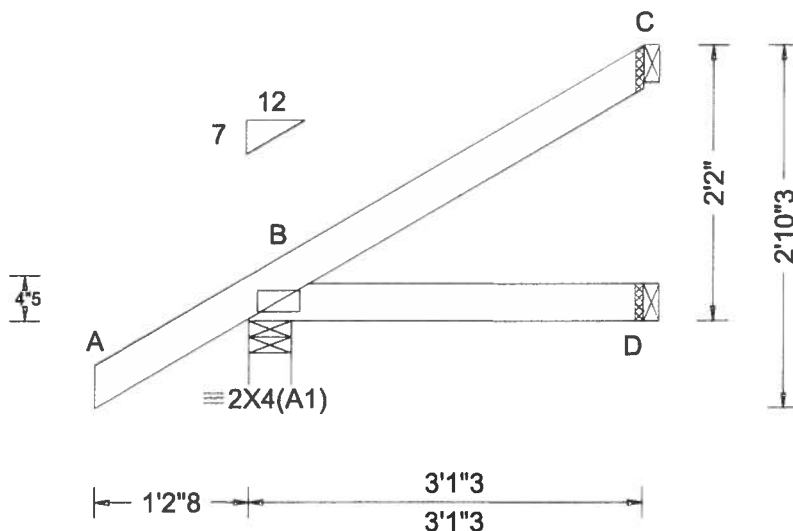
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 289904 / FROM: CDM	JACK Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J17	Cust: R 215 JRef: 1WPS2150003 T60 / DrwNo: 303.19.1200.26555 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.116 Max BC CSI: 0.085 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 238 /- /- /173 /14 /47 D 53 /- /- /39 /- /- C 73 /- /- /35 /16 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



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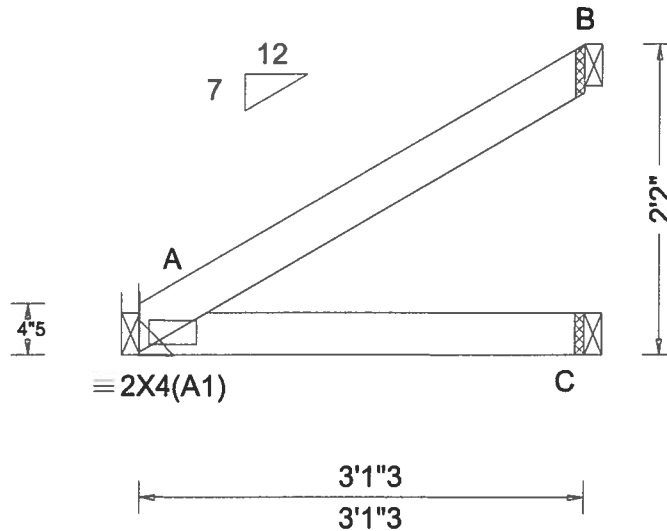
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 289912 / FROM: CDM	JACK Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J171	Cust: R 215 JRef: 1WPS2150003 T57 / DrwNo: 303.19.1200.25213 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA	A	134	/-	/-	/86	/3	/51
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	C	57	/-	/-	/41	/1	/-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.001 C - -	B	85	/-	/-	/46	/35	/-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.003 C - -	Wind reactions based on MWFRS						
NCBCLL: 10.00	Mean Height: 15.00 ft		Creep Factor: 2.0	A	Brg Width = -		Min Req = -			
Soffit: 2.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.127	C	Brg Width = 1.5		Min Req = -			
Load Duration: 1.25	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.098	B	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.000	Members not listed have forces less than 375#						
	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0238

10/30/2019

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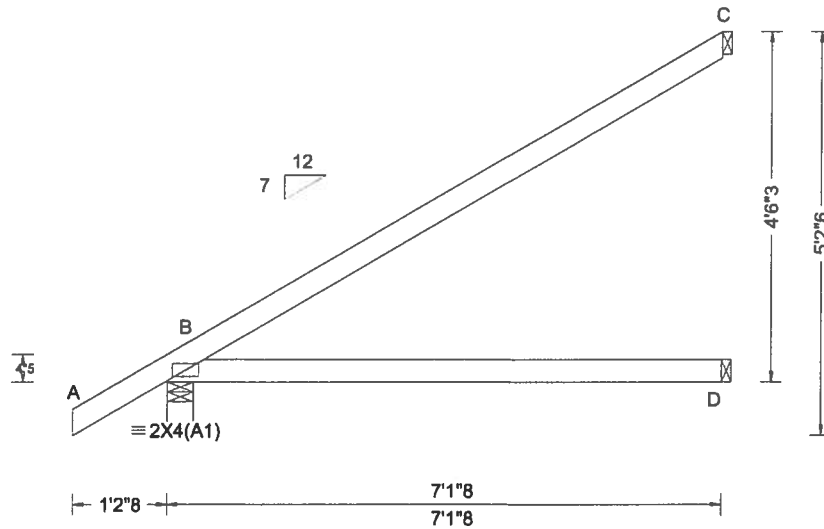
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

SEQN: 289896 / FROM: CDM	EJAC Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J19	Cust: R 215 JRef: 1WPS2150003 T81 / DrwNo: 303.19.1200.26602 / YK 10/30/2019
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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		▲ Maximum Reactions (lbs)						
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA	Ct: NA	CAT: NA	PP Deflection in loc L/defl L/#	Gravity			Non-Gravity			
TCDL: 10.00		Speed: 130 mph		Pf: NA	Ce: NA		VERT(LL): NA	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00		Enclosure: Closed		Lu: NA	Cs: NA		VERT(CL): NA	B	393	/-	/-	/271	/0	/92
BCDL: 10.00		Risk Category: II		Snow Duration: NA			HORZ(LL): 0.015 D	D	133	/-	/-	/94	/-	/-
Des Ld: 40.00		EXP: C Kzt: NA		Code / Misc Criteria			HORZ(TL): 0.031 D	C	196	/-	/-	/104	/41	/-
NCBCLL: 10.00		Mean Height: 15.00 ft				Bldg Code: FBC 2017 RES		Creep Factor: 2.0	Wind reactions based on MWFRS					
Soffit: 2.00		TCDL: 5.0 psf		TPI Std: 2014			Max TC CSI: 0.779	B	Brg Width = 4.0		Min Req = 1.5			
Load Duration: 1.25		BCDL: 5.0 psf		Rep Fac: Yes			Max BC CSI: 0.546	D	Brg Width = 1.5		Min Req = -			
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h		FT/RT: 20(0)/10(0)			Max Web CSI: 0.000	C	Brg Width = 1.5		Min Req = -			
		C&C Dist a: 3.00 ft		Plate Type(s):				Bearing B is a rigid surface.						
		Loc. from endwall: not in 9.00 ft		WAVE				Members not listed have forces less than 375#						
		GCpi: 0.18												
		Wind Duration: 1.60												
							VIEW Ver: 18.02.01B.0321.08							

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-218

10/30/2019

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

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

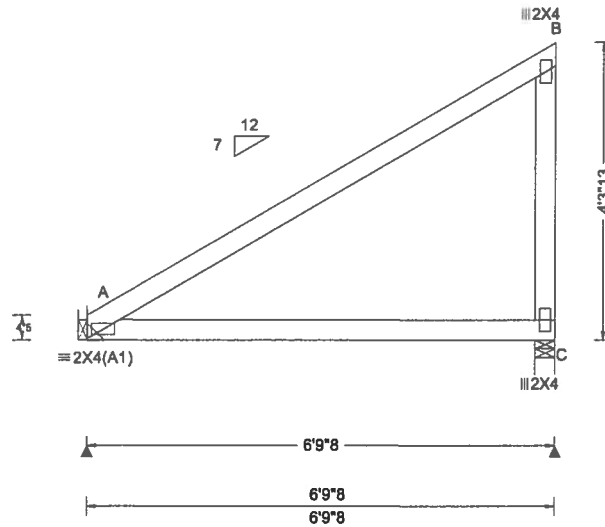
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSA (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSA. 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 BCSA sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

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

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

SEQN: 289885 / FROM: CDM	MONO Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J22	Cust: R 215 JRef: 1WPS2150003 T48 / DwnNo: 303.19.1200.26071 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)							
				Gravity			Non-Gravity				
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL	
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA								
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA	A	288	/-	/-	/186	/-	/75	
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.015 C - -	C	277	/-	/-	/196	/37	/-	
	EXP: C Kzt: NA		HORZ(TL): 0.031 C - -	Wind reactions based on MWFRS							
Des Ld: 40.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	A	Brg Width = -		Min Req = -				
NCBCLL: 10.00	TCDL: 5.0 psf		Max TC CSI: 0.737	C	Brg Width = 3.5		Min Req = 1.5				
Soffit: 2.00	BCDL: 5.0 psf		Max BC CSI: 0.511	Bearing C is a rigid surface.							
Load Duration: 1.25	MWFRS Parallel Dist: h to 2h		Max Web CSI: 0.065	Members not listed have forces less than 375#							
Spacing: 24.0 "	C&C Dist a: 3.00 ft										
	Loc. from endwall: not in 9.00 ft	Bldg Code: FBC 2017 RES									
	GCpi: 0.18	TPI Std: 2014									
	Wind Duration: 1.60	Rep Fac: Yes									
		FT/RT: 20(0)/10(0)									
		Plate Type(s):									
		WAVE	VIEW Ver: 18.02.01B.0321.08								

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.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 4-3-13.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

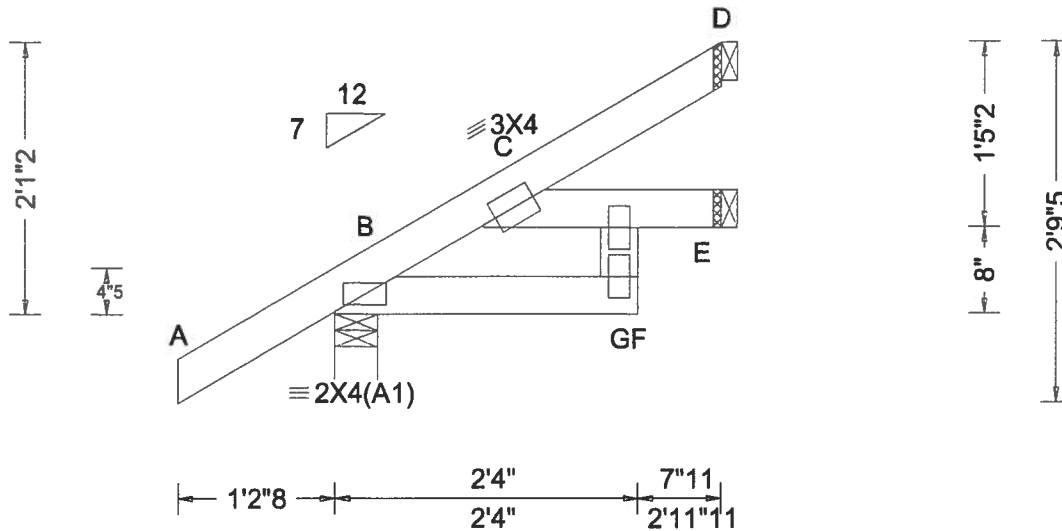
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 290526 / FROM: CDM	JACK Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J41	Cust: R 215 JRef: 1WPS2150003 T39 / DrwNo: 303.19.1200.24822 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.004 G 999 240 VERT(CL): 0.007 G 999 180 HORZ(LL): 0.002 G - - HORZ(TL): 0.005 G - - Creep Factor: 2.0 Max TC CSI: 0.116 Max BC CSI: 0.049 Max Web CSI: 0.031 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ /R- /Rh /Rw /U /RL B 234 /- /- /170 /31 /69 E 47 /- /- /36 /0 /- D 68 /- /- /35 /28 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 2'-11 1/2\"/>

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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

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

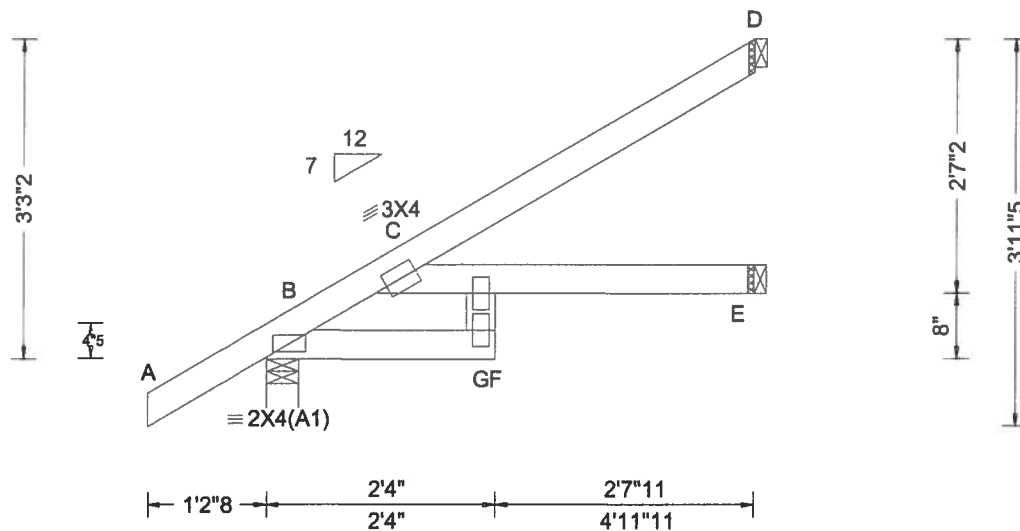
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

Cust: R 215 JRef: 1WPS2150003 T32 /
 DrwNo: 303.19.1200.25806
 / YK 10/30/2019



Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.033 F 999 240	Loc R+ / R- / Rh / Rw / U / RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.058 F 997 180	B 308 /- /- /216 /33 /102
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.017 G - -	E 86 /- /- /60 /2 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.034 G - -	D 131 /- /- /71 /52 /-
NCBCLL: 10.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	Wind reactions based on MWFRS
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.330	B Brg Width = 4.0 Min Req = 1.5
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.228	E Brg Width = 1.5 Min Req = -
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.098	D Brg Width = 1.5 Min Req = -
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Bearing B is a rigid surface.
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Members not listed have forces less than 375#
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	
	Wind Duration: 1.60			

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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

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

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

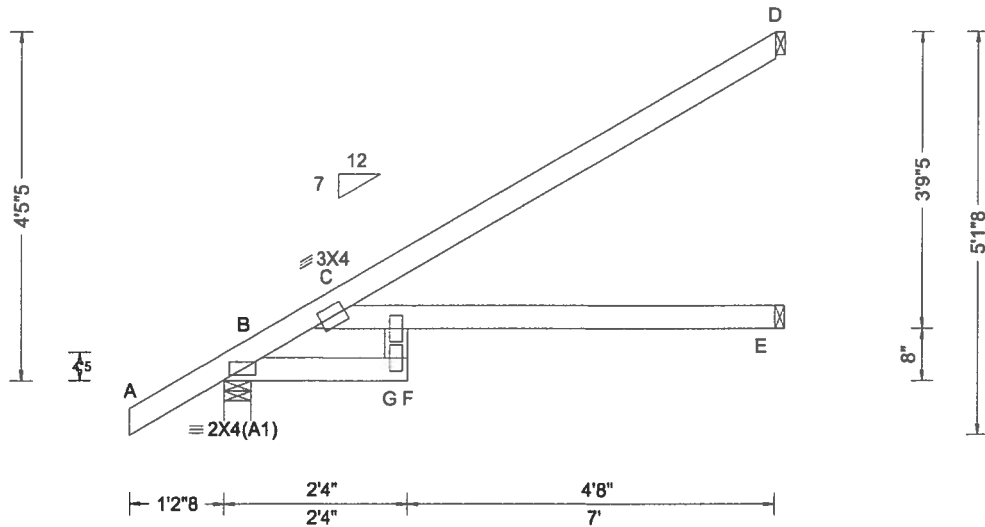
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
Suite 305
Orlando FL 32821

SEQN: 290532 / FROM: CDM	EJAC Qty: 3	Ply: 1 Qty: 3	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J71	Cust: R 215 JRef: 1WPS2150003 T34 / DrwNo: 303.19.1200.25447 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 *	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.116 F 710 240 VERT(CL): 0.234 F 351 180 HORZ(LL): 0.052 G - - HORZ(TL): 0.104 G - - Creep Factor: 2.0 Max TC CSI: 0.721 Max BC CSI: 0.493 Max Web CSI: 0.164 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 388 /- /- /268 /35 /136 E 126 /- /- /90 /3 /- D 191 /- /- /103 /76 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #2

Plating Notes

All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

****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 BCS (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCS. 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 BCS sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

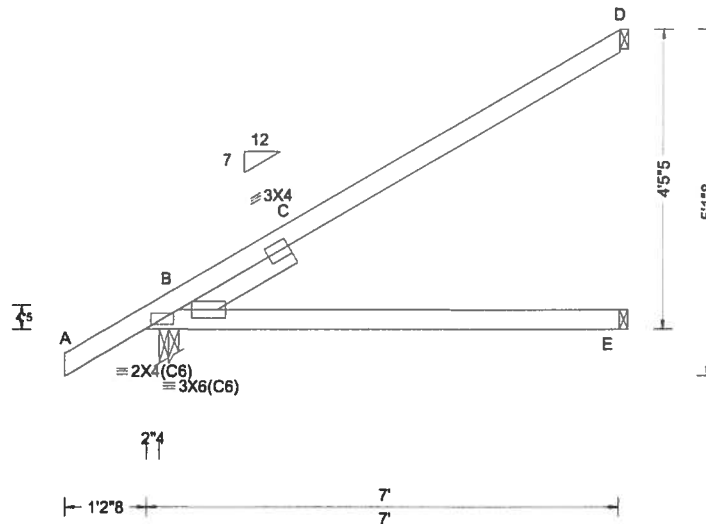
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



6750 Forum Drive
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SEQN: 289849 / FROM: CDM	EJAC Qty: 5	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J72	Cust: R 215 JRef: 1WPS2150003 T40 / DrwNo: 303.19.1200.25462 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.078 C - - HORZ(TL): 0.158 C - - Creep Factor: 2.0 Max TC CSI: 0.715 Max BC CSI: 0.482 Max Web CSI: 0.168 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 399 /- /- /279 /36 /136 E 125 /- /- /88 /2 /- D 184 /- /- /98 /77 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.892'

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-5-5.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.

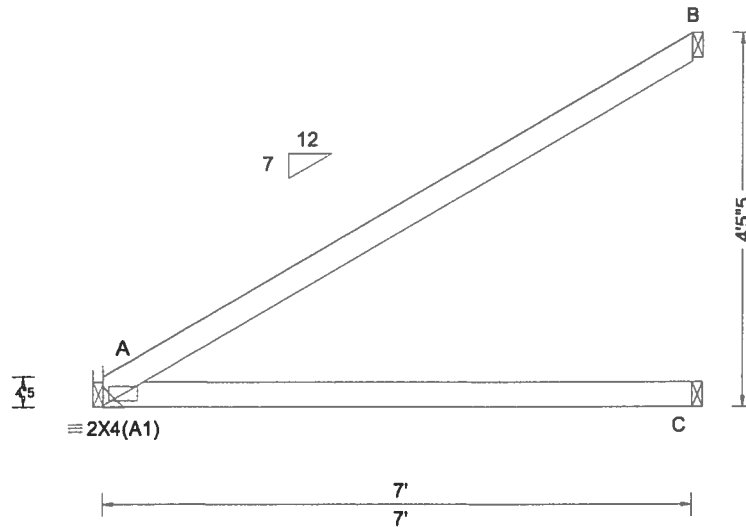


COA #0278
10/30/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.
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SEQN: 289837 / FROM: CDM	EJAC Qty: 10	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: J73	Cust: R 215 JRef: 1WPS2150003 T13 / DrwNo: 303.19.1200.25558 / YK 10/30/2019
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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 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 7-10 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: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): 0.017 C - - HORZ(TL): 0.034 C - - Creep Factor: 2.0 Max TC CSI: 0.787 Max BC CSI: 0.543 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 296 /- /- /192 /11 /116 C 132 /- /- /96 /2 /- B 197 /- /- /106 /80 /- Wind reactions based on MWFRS A Brg Width = - Min Req = - C Brg Width = 1.5 Min Req = - B Brg Width = 1.5 Min Req = - Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Hangers / Ties

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

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

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

Bearing A (0', 9') HUS26

Supporting Member: (1) 2x6 SP 2400F-2.0E

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

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

(J) Hanger Support Required, by others

Wind

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

Additional Notes

Refer to General Notes for additional information

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

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.

Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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

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

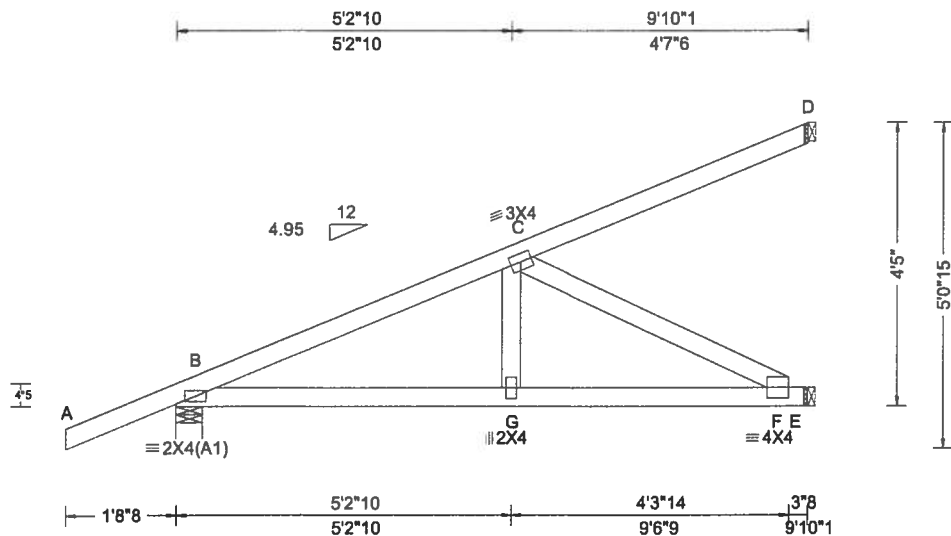
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

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SEQN: 289930 / FROM: CDM	HIP_ Ply: 1 Qty: 5	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: JH1	Cust: R 215 JRef: 1WPS2150003 T15 / DwnNo: 303.19.1200.25915 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.020 G 999 240 VERT(CL): 0.040 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.010 F - - Creep Factor: 2.0 Max TC CSI: 0.570 Max BC CSI: 0.641 Max Web CSI: 0.330 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 357 /- /- /- /152 /- E 354 /- /- /- /70 /- D 77 /- /- /- /21 /- Non-Gravity Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -25 lb Conc. Load at 1.38
TC: 137 lb Conc. Load at 4.21
TC: 264 lb Conc. Load at 7.03
BC: 15 lb Conc. Load at 1.38
BC: 102 lb Conc. Load at 4.21
BC: 181 lb Conc. Load at 7.03

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-5-0.
Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

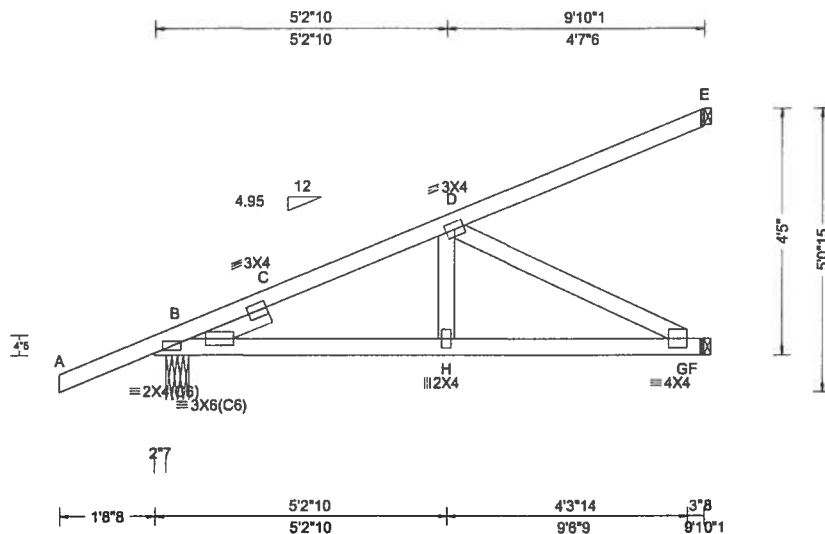
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSA (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSA. 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 BCSA sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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SEQN: 289934 / FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: JH2	Cust: R 215 JRef: 1WPS2150003 T41 / DrwNo: 303.19.1200.24994 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.019 H 999 240 VERT(CL): 0.038 H 999 180 HORZ(LL): -0.008 C - - HORZ(TL): 0.016 C - - Creep Factor: 2.0 Max TC CSI: 0.569 Max BC CSI: 0.594 Max Web CSI: 0.285 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 367 /- /- /- /174 /- F 310 /- /- /- /69 /- E 77 /- /- /- /21 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

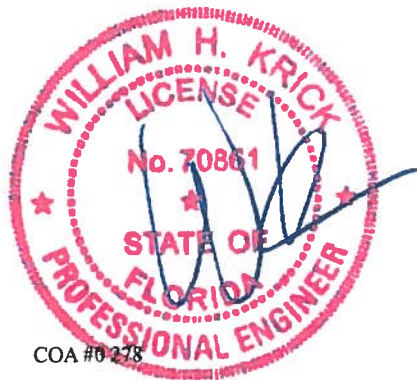
---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -34 lb Conc. Load at 1.38
TC: 115 lb Conc. Load at 4.21
TC: 247 lb Conc. Load at 7.03
BC: 13 lb Conc. Load at 1.38
BC: 90 lb Conc. Load at 4.21
BC: 171 lb Conc. Load at 7.03

Wind

Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-5-0.
Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278
10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

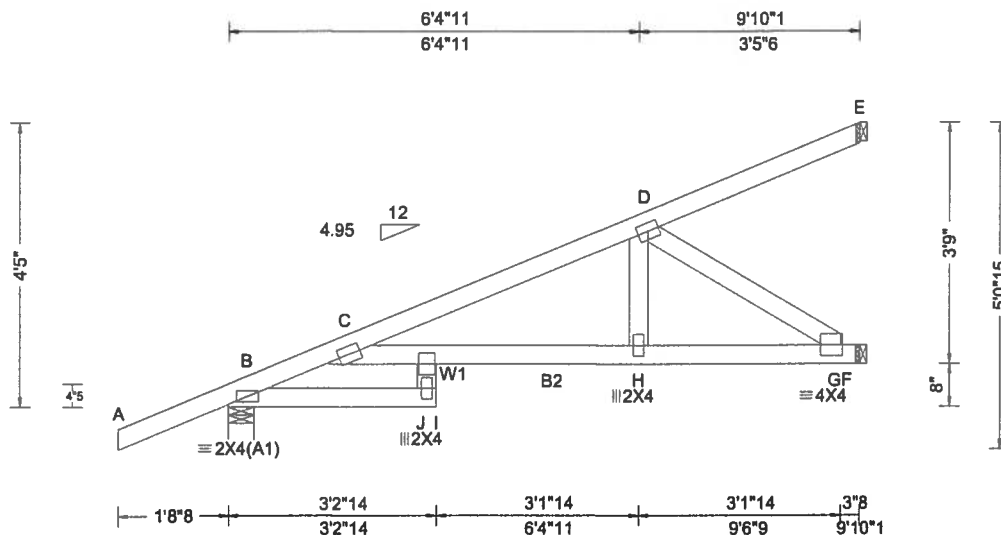
IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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Loading Criteria (psf)		Wind Criteria		Snow Criteria (Pg,Pf in PSF)		Defl/CSI Criteria		Maximum Reactions (lbs)	
TCLL: 20.00		Wind Std: ASCE 7-10		Pg: NA Ct: NA CAT: NA		PP Deflection in loc L/defl L/#		Gravity	
TCDL: 10.00		Speed: 130 mph		Pf: NA Ce: NA		VERT(LL): 0.098 I 999 240		Loc	R+ / R- / Rh
BCLL: 0.00		Enclosure: Closed		Lu: NA Cs: NA		VERT(CL): 0.176 I 662 180		B	357 /- /-
BCDL: 10.00		Risk Category: II		Snow Duration: NA		HORZ(LL): 0.043 G - -		F	420 /- /0
		EXP: C Kzt: NA				HORZ(TL): 0.086 G - -		E	10 /-1 /-
Des Ld: 40.00		Mean Height: 15.00 ft				Creep Factor: 2.0		Non-Gravity	
NCBCLL: 10.00		TCDL: 5.0 psf				Max TC CSI: 0.497			/ Rw / U / RL
Soffit: 2.00		BCDL: 5.0 psf				Max BC CSI: 0.386		B	Brig Width = 4.9 Min Req = 1.5
Load Duration: 1.25		MWFRS Parallel Dist: 0 to h/2				Max Web CSI: 0.117		F	Brig Width = 1.5 Min Req = -
Spacing: 24.0 "		C&C Dist a: 3.00 ft						E	Brig Width = 1.5 Min Req = -
		Loc. from endwall: not in 9.00 ft						Wind reactions based on MWFRS	
		GCpi: 0.18						Bearing B is a rigid surface.	
		Wind Duration: 1.60						Members not listed have forces less than 375#	
								Maximum Top Chord Forces Per Ply (lbs)	
								Chords Tens.Comp.	

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
B2 2x4 SP M-31:
Webs 2x4 SP #3
W1 2x4 SP M-31:

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -25 lb Conc. Load at 1.38
TC: 136 lb Conc. Load at 4.21
TC: 263 lb Conc. Load at 7.03
BC: 15 lb Conc. Load at 1.38
BC: 93 lb Conc. Load at 4.21
BC: 172 lb Conc. Load at 7.03

Plating Notes

All plates are 3X4 except as noted.

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-5"-0."
Provide (3) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

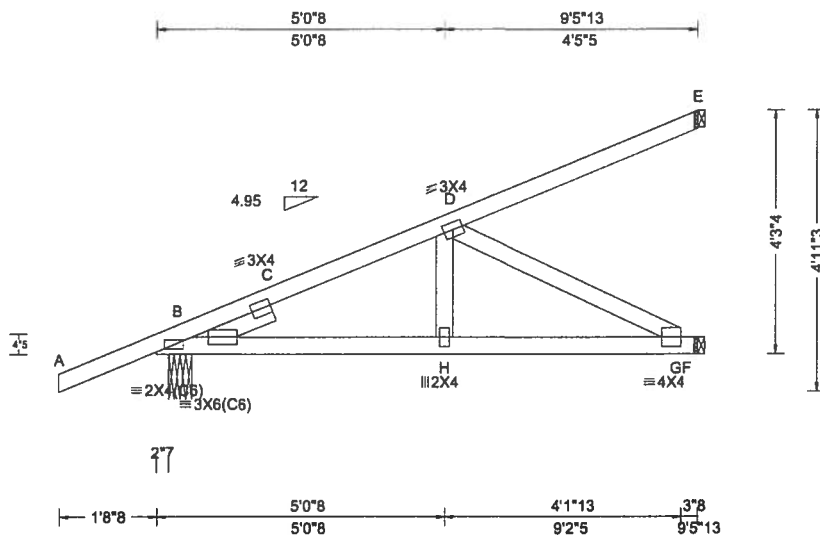
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

ALPINE
AN ITW COMPANY
6750 Forum Drive
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SEQN: 289939 / FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: JH4	Cust: R 215 JRef: 1WPS2150003 T28 / DrwNo: 303.19.1200.25477 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): -0.018 C 999 240 VERT(CL): 0.032 H 999 180 HORZ(LL): -0.008 C - - HORZ(TL): 0.014 C - - Creep Factor: 2.0 Max TC CSI: 0.493 Max BC CSI: 0.517 Max Web CSI: 0.239 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh Non-Gravity / Rw / U / RL B 356 /- /- /- /249 /- F 279 /- /- /- /67 /- E 67 /- /- /- /16 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 F Brg Width = 1.5 Min Req = - E Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.48
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.48
TC: -53 lb Conc. Load at 1.02
TC: 97 lb Conc. Load at 3.85
TC: 231 lb Conc. Load at 6.68
BC: 3 lb Conc. Load at 1.02
BC: 80 lb Conc. Load at 3.85
BC: 161 lb Conc. Load at 6.68

Wind

Wind loads and reactions based on MWFRS.
Left cantilever is exposed to wind

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4-3-4.
Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0-278

10/30/2019

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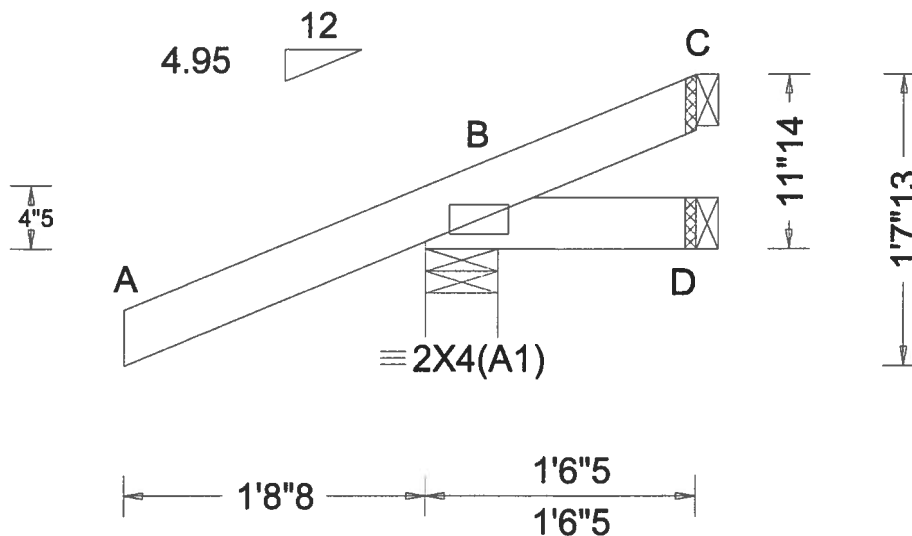
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSi (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi.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

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

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SEQN: 289881 / FROM: CDM	HIP_ Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: JH5	Cust: R 215 JRef: 1WPS2150003 T72 / DrwNo: 303.19.1200.26149 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(CL): NA HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.372 Max BC CSI: 0.070 Max Web CSI: 0.000 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity B 129 /- /- /193 /75 /38 D 14 /-9 /- /24 /15 /- C - /-18 /- /24 /26 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 D Brg Width = 1.5 Min Req = - C Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 0-11-14.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (2) 16d common 0.162"x3.5", toe-nails at BC.



COA #0278

10/30/2019

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

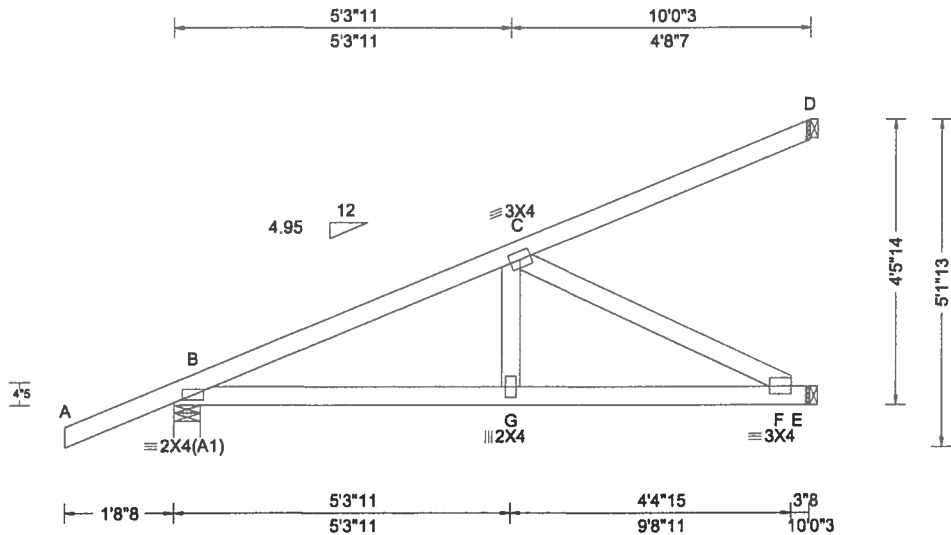
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior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

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SEQN: 289936 / FROM: CDM	HIP_ Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: JH6	Cust: R 215 JRef: 1WPS2150003 T83 / DrwNo: 303.19.1200.25399 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.022 G 999 240 VERT(CL): 0.044 G 999 180 HORZ(LL): 0.005 F - - HORZ(TL): 0.011 F - - Creep Factor: 2.0 Max TC CSI: 0.621 Max BC CSI: 0.695 Max Web CSI: 0.373 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 372 /- /- /- /122 /- E 384 /- /- /- /56 /- D 83 /- /- /- /17 /- Wind reactions based on MWFRS B Brg Width = 4.9 Min Req = 1.5 E Brg Width = 1.5 Min Req = - D Brg Width = 1.5 Min Req = - Bearing B is a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp.

Lumber

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

Special Loads

---(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -1.71 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 10.01
BC: From 0 plf at -1.71 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 10.01
TC: -15 lb Conc. Load at 1.55
TC: 158 lb Conc. Load at 4.38
TC: 279 lb Conc. Load at 7.21
BC: 21 lb Conc. Load at 1.55
BC: 111 lb Conc. Load at 4.38
BC: 189 lb Conc. Load at 7.21

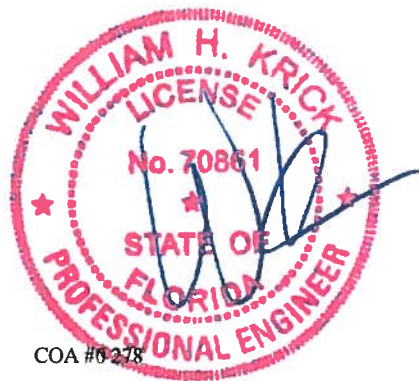
Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 4'-5-14".

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



COA #0278

10/30/2019

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

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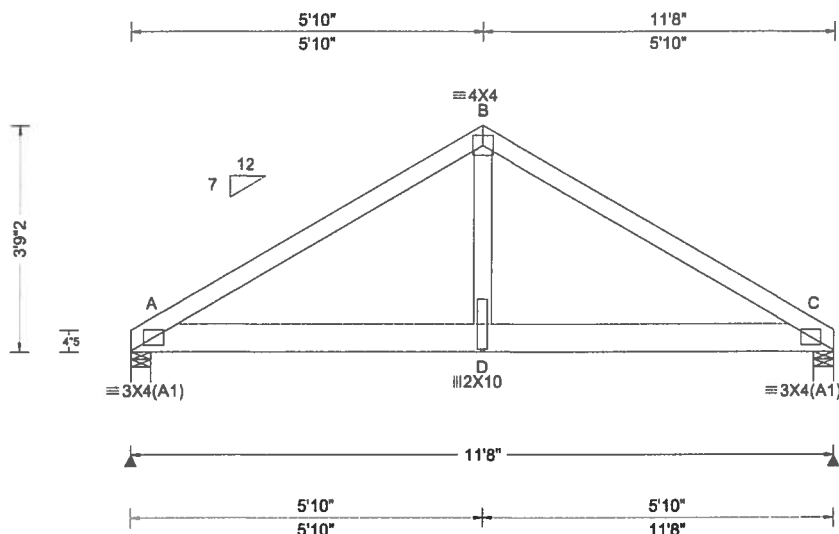
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 289937 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: K01	Cust: R 215 JRef: 1WPS2150003 T84 / DrwNo: 303.19.1200.25009 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.023 D 999 240 VERT(CL): 0.044 D 999 180 HORZ(LL): 0.007 D - - HORZ(TL): 0.014 D - - Creep Factor: 2.0 Max TC CSI: 0.388 Max BC CSI: 0.327 Max Web CSI: 0.420 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 1168 /- /- /- /147 /- C 1168 /- /- /- /147 /- Wind reactions based on MWFRS A Brg Width = 4.0 Min Req = 1.5 C Brg Width = 4.0 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 203 - 1537 B - C 203 - 1537

Lumber

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

Special Loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 63 plf at 0.00 to 63 plf at 11.67
BC: From 10 plf at 0.00 to 10 plf at 11.67
BC: 296 lb Conc. Load at 1.81, 3.81, 5.83, 7.85
9.85

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 3-9-2.



COA #0278

10/30/2019

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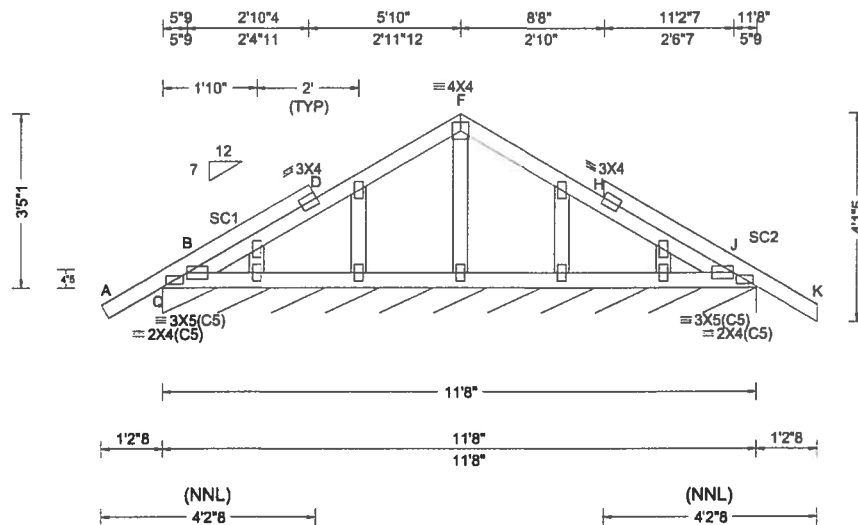
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCE) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 290538 / FROM: CDM	GABL Qty: 1	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: K02	Cust: R 215 JRef: 1WPS2150003 T65 / DrwNo: 303.19.1200.26554 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.002 D 999 240 VERT(CL): 0.004 D 999 180 HORZ(LL): -0.002 D - - HORZ(TL): 0.003 D - - Creep Factor: 2.0 Max TC CSI: 0.293 Max BC CSI: 0.030 Max Web CSI: 0.040 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Q* 125 /- /- /59 /48 /14 Wind reactions based on MWFRS Q Brg Width = 140 Min Req = - Bearing Q is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 2.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.
The overall height of this truss excluding overhang is 3-5-1.



COA #00278

10/30/2019

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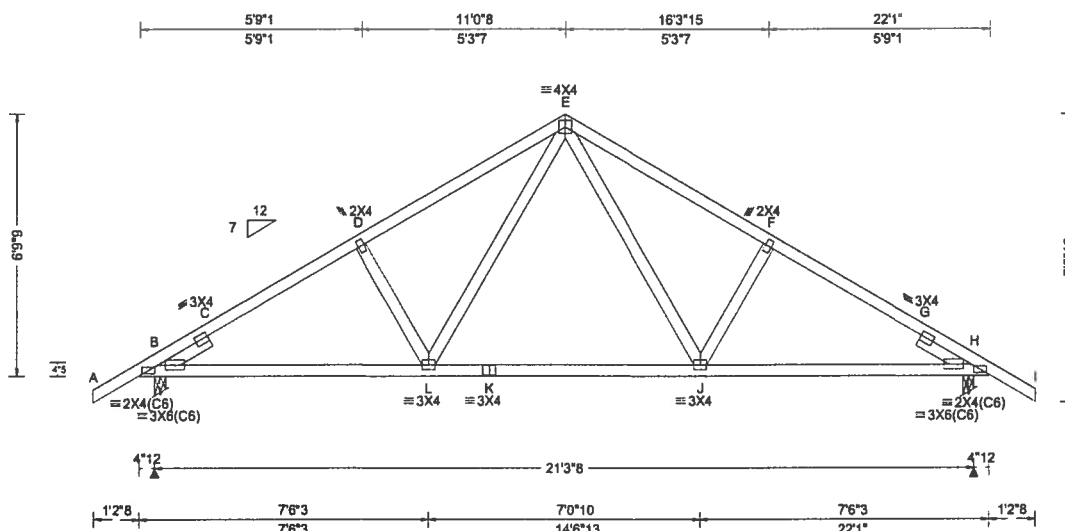
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSi (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi.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

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SEQN: 290541 / FROM: CDM	COMN Qty: 1	Pty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: L01	Cust: R 215 JRef: 1WPS2150003 T94 / DrwNo: 303.19.1200.24916 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+	/R-	/Rh	/Rw	/U	/RL
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection In loc L/defl L/#	B	1003	/-	/-	/608	/169	/201
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.042 L 999 240	H	1000	/-	/-	/608	/169	/-
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.086 L 999 180	Wind reactions based on MWFRS						
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.024 G - -	B	Brg Width = 3.5		Min Req = 1.5			
	EXP: C Kzt: NA		HORZ(TL): 0.048 G - -	H	Brg Width = 3.5		Min Req = 1.5			
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearings B & H are a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.393	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.557	Maximum Top Chord Forces Per Ply (lbs)						
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.183	Chords	Tens.Comp.		Chords	Tens. Comp.		
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes		B - C	54	-451	E - F	390	-1120	
	Loc. from endwall: Any	FT/RT:20(0)/10(0)	VIEW Ver: 18.02.01B.0321.08							
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE								

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3
Lt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'
Rt Slider 2x4 SP #3: BLOCK LENGTH = 1.500'

Wind

Wind loads based on MWFRS with additional C&C member design.
Left and right cantilevers are exposed to wind

Additional Notes

Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-9".



COA #0-278

10/30/2019

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

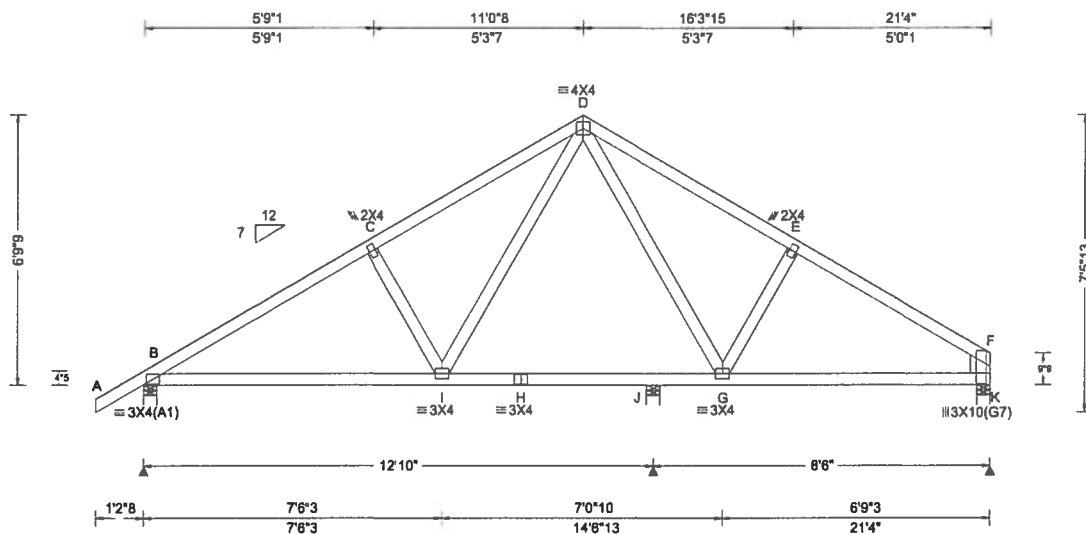
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

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

SEQN: 290544 / FROM: CDM	COMN Ply: 1 Qty: 2	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: L02	Cust: R 215 JRef: 1WPS2150003 T100 DrwNo: 303.19.1200.26227 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.036 I 999 240 VERT(CL): 0.070 I 999 180 HORZ(LL): 0.019 G - - HORZ(TL): 0.037 G - - Creep Factor: 2.0 Max TC CSI: 0.371 Max BC CSI: 0.651 Max Web CSI: 0.182 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL B 899 /- /- /535 /157 /179 J 325 /- /- /127 /25 /- K 738 /- /- /430 /128 /- Wind reactions based on MWFRS B Brg Width = 4.0 Min Req = 1.5 J Brg Width = 4.0 Min Req = 1.5 K Brg Width = 4.0 Min Req = 1.5 Bearings B, J, & K are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp.

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

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 6'-9"-9."



COA #0278

10/30/2019

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

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

SEQN: 296057
FROM: CDM

SPEC	Ply: 2
	Qty: 1

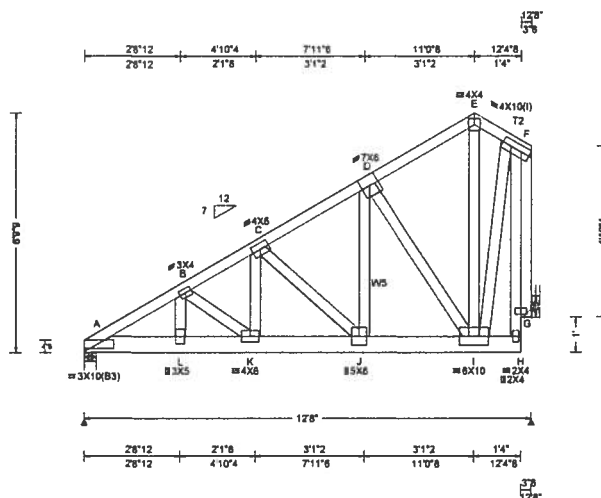
Job Number: 19-3610
/RIVERS /ZECHER CONSTRUCTION
Truss Label: L03

Cust: R 215 JRef: 1WPS2150003 T73

DrwNo: 303.19.1202.31873

JB / WHK 10/30/2019

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 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#	Gravity Non-Gravity
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.053 K 999 240	Loc R+ /R- /Rh /Rw /U /RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.106 K 999 180	A 5578 /- /- /- /271 /-
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.016 B - -	G 4976 /- /- /- /279 /-
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.033 B - -	Wind reactions based on MWFRS
NCBCLL: 0.00	Mean Height: 15.00 ft	Code / Misc Criteria	Creep Factor: 2.0	A Brg Width = 4.0 Min Req = 2.3
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.289	G Brg Width = - Min Req = -
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.337	Bearing A is a rigid surface.
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: No	Max Web CSI: 0.899	Members not listed have forces less than 375#
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)		Maximum Top Chord Forces Per Ply (lbs)
	Loc. from endwall: not in 4.50 ft	Plate Type(s):		Chords Tens.Comp. Chords Tens. Comp.
	GCpi: 0.18	WAVE	VIEW Ver: 18.02.01B.0321.08	A - B 203 -4011 D - E 47 -706
	Wind Duration: 1.60			

Lumber

Top chord: 2x4 SP M-31; T2 2x4 SP #2;
Bot chord: 2x6 SP 2400f-2.0E;
Webs: 2x4 SP #3; W5 2x4 SP #2;
Rt Bearing Leg: 2x4 SP #3;

Nailnote

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

Special Loads

TC: From 23 plf at -1.21 to 23 plf at 0.00
 TC: From 63 plf at 0.00 to 63 plf at 12.67
 BC: From 5 plf at -1.21 to 5 plf at 0.00
 BC: From 20 plf at 0.00 to 20 plf at 12.67
 BC: 1556 lb Conc. Load at 0.85, 2.85, 4.85, 6.85
 8.85
 BC: 1722 lb Conc. Load at 10.85

Plating Notes

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

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-9-9.



COA #0278

10/30/2019

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

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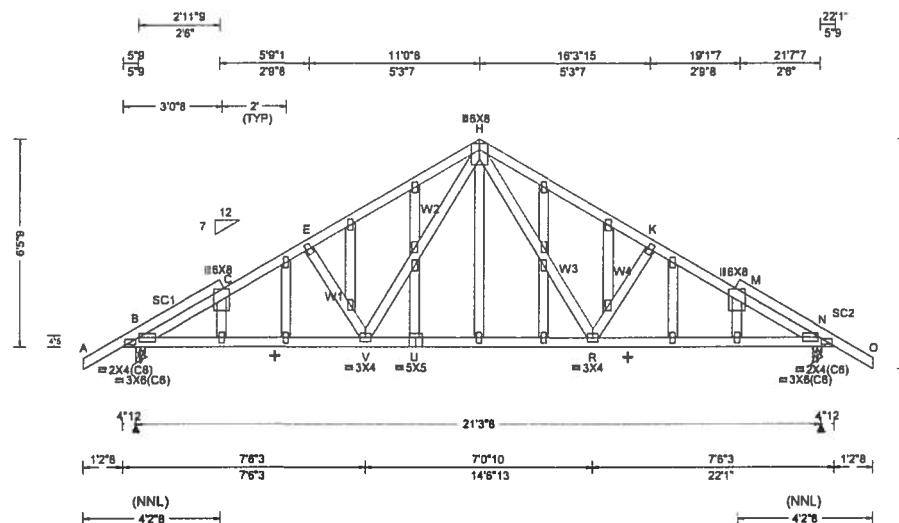
Apine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



13723 Riverport Drive
Suite 200
Maryland Heights, MO 63043

SEQN: 290557 / FROM: CDM	GABL Qty: 1	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: L04	Cust: R 215 JRef: 1WPS2150003 T93 / DrwNo: 303.19.1200.26603 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs)
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 *	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.056 G 999 240 VERT(CL): 0.110 G 999 180 HORZ(LL): 0.023 P - - HORZ(TL): 0.044 P - - Creep Factor: 2.0 Max TC CSI: 0.645 Max BC CSI: 0.765 Max Web CSI: 0.362 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL B 1320 /- /- /728 /235 /271 N 1320 /- /- /728 /235 /- Wind reactions based on MWFRS B Brg Width = 3.5 Min Req = 1.5 N Brg Width = 3.5 Min Req = 1.5 Bearings B & N are a rigid surface. Members not listed have forces less than 375# Maximum Top Chord Forces Per Ply (lbs) Chords Tens.Comp. Chords Tens. Comp. B - C 555 -1666 H - K 622 -1572 C - E 529 -1758 K - M 529 -1758 E - H 622 -1572 M - N 555 -1666

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP #2
Webs 2x4 SP #2
:W1, W2, W3, W4 2x4 SP #3:
:Stack Chord SC1 2x4 SP #2:
:Stack Chord SC2 2x4 SP #2:

Plating Notes
All plates are 2X4 except as noted.

Loading
Truss designed to support 1-4-0 top chord outlookers and cladding load not to exceed 2.00 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.
Left and right cantilevers are exposed to wind
+ Member to be laterally braced for out of plane wind loads

Additional Notes
Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.
The overall height of this truss excluding overhang is 6-5-9.

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.Comp.	Chords	Tens. Comp.
B - V	1496 -297	U - R	1001 -86
V - U	1001 -86	R - N	1496 -314

Maximum Web Forces Per Ply (lbs)

Webs	Tens.Comp.	Webs	Tens. Comp.
E - V	211 -433	H - R	584 -260
V - H	585 -261	R - K	210 -432



COA #0278
10/30/2019

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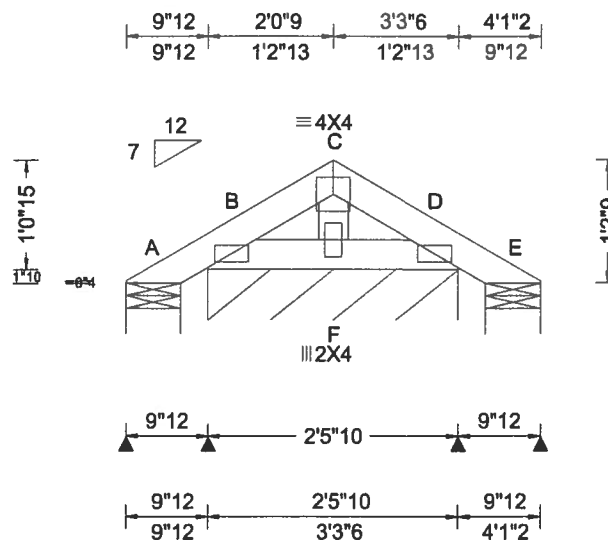


Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg.Pr in PSF) Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lr: NA Cs: NA Snow Duration: NA	Defl/CSI Criteria PP Deflection In loc L/defl L/# VERT(LL): 0.018 E 999 240 VERT(CL): 0.035 E 999 180 HORZ(LL): 0.007 B - - HORZ(TL): 0.014 B - - Creep Factor: 2.0 Max TC CSI: 0.617 Max BC CSI: 0.438 Max Web CSI: 0.335	▲ Maximum Reactions (lbs)						
				Gravity			Non-Gravity			
				Loc	R+ / R-	/ Rh	/ Rw	U / U	/ RL	
				A	969	-/-	-/-	-/-	/174	-/-
Des Ld: 40.00	Wind Std: ASCE 7-10			D	969	-/-	-/-	-/-	/174	-/-
NCBCLL: 10.00	Speed: 130 mph			Wind reactions based on MWFRS						
Soffit: 2.00	Enclosure: Closed			A	Brg Width = 4.0			Min Req = 1.5		
Load Duration: 1.25	Risk Category: II			D	Brg Width = 4.0			Min Req = 1.5		
Spacing: 24.0 "	EXP: C Kzt: NA			Bearings A & D are a rigid surface.						
	Mean Height: 15.00 ft			Members not listed have forces less than 375#						
	TCDL: 5.0 psf	Code / Misc Criteria		Maximum Top Chord Forces Per Ply (lbs)						
	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES		Chords	Tens.Comp.		Chords	Tens. Comp.		
	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014		A - B	329 - 1912		C - D	329 - 1912		
	C&C Dist at: 3.00 ft	Rep Fac: Varies by Ld Case		B - C	311 - 1853					
	Loc. from endwall: not in 9.00 ft	FT/RT:20(0)/10(0)		VIEW Ver: 18.02.01B.0321.08						
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE								

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290595 / FROM: CDM	COMN Qty: 2	Ply: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: P01	Cust: R 215 JRef: 1WPS2150003 T46 / DrwNo: 303.19.1200.25259 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.43 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.000 F 999 240 VERT(CL): 0.000 F 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.011 Max BC CSI: 0.011 Max Web CSI: 0.007 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 24 /- /- /21 /6 /28 B* 101 /- /- /51 /- /- E 24 /- /- /15 /0 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 29.6 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-2-9.



COA #0278

10/30/2019

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

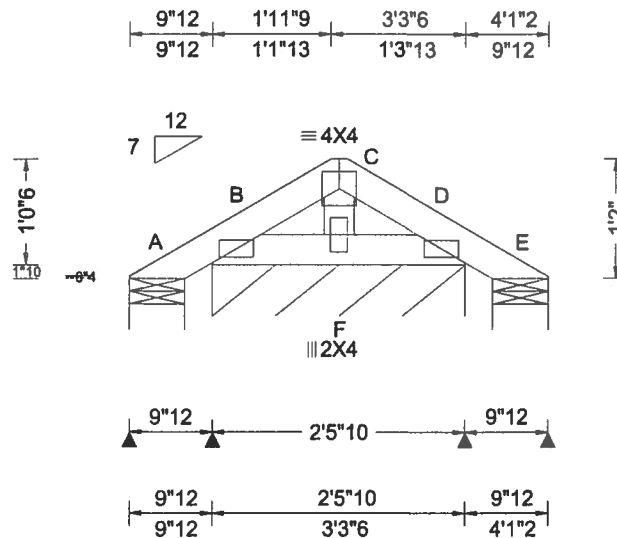
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 290598 / FROM: CDM	COMN Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: P02	Cust: R 215 JRef: 1WPS2150003 T1 DrwNo: 303.19.1200.25120 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or * = PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.41 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: > 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L# VERT(LL): 0.000 F 999 240 VERT(CL): 0.000 F 999 180 HORZ(LL): 0.000 F - - HORZ(TL): 0.000 F - - Creep Factor: 2.0 Max TC CSI: 0.011 Max BC CSI: 0.011 Max Web CSI: 0.007 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL A 24 /- /- /21 /6 /28 B* 101 /- /- /50 /- /- E 24 /- /- /15 /0 /- Wind reactions based on MWFRS A Brg Width = 6.5 Min Req = 1.5 B Brg Width = 29.6 Min Req = - E Brg Width = 6.5 Min Req = 1.5 Bearings A, B, & E are a rigid surface. Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

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

Additional Notes

Refer to General Notes for additional information
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-2-0.



COA #0218

10/30/2019

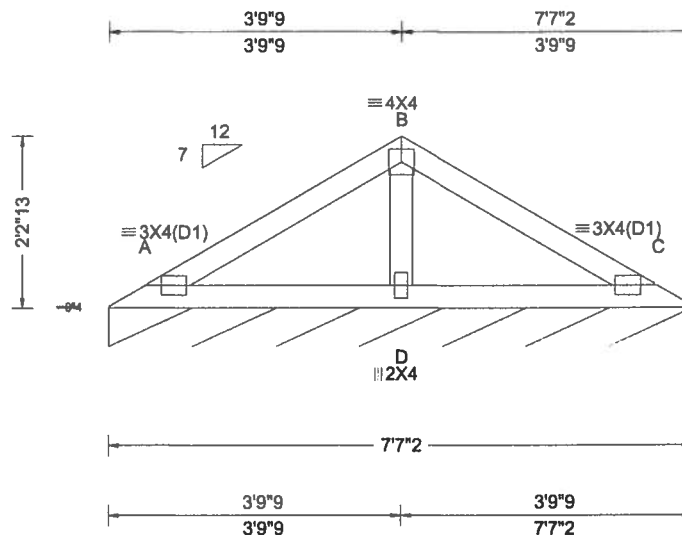
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSi (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSi. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSi sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

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

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

ALPINE
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6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 289917 / FROM: CDM	VAL Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHEER CONSTRUCTION Truss Label: V1	Cust: R 215 JRef: 1WPS2150003 T44 / DrwNo: 303.19.1200.24887 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF						
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/def L/#	Gravity			Non-Gravity			
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): 0.006 D 999 240	Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.012 D 999 180	C*	81	/-	/-	/40	/11	/6
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.003 D - -	Wind reactions based on MWFRS						
	EXP: C Kzt: NA		HORZ(TL): 0.005 D - -	C Brg Width = 91.1 Min Req = -						
Des Ld: 40.00	Mean Height: 15.00 ft		Creep Factor: 2.0	Bearing A is a rigid surface.						
NCBCLL: 10.00	TCDL: 5.0 psf	Code / Misc Criteria	Max TC CSI: 0.191	Members not listed have forces less than 375#						
Soffit: 2.00	BCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max BC CSI: 0.152							
Load Duration: 1.25	MWFRS Parallel Dist: 0 to h/2	TPI Std: 2014	Max Web CSI: 0.066							
Spacing: 24.0 "	C&C Dist a: 3.00 ft	Rep Fac: Yes								
	Loc. from endwall: Any	FT/RT:20(0)/10(0)								
	GCpi: 0.18	Plate Type(s):								
	Wind Duration: 1.60	WAVE	VIEW Ver: 18.02.01B.0321.08							

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 2-2-13.



COA #6278

10/30/2019

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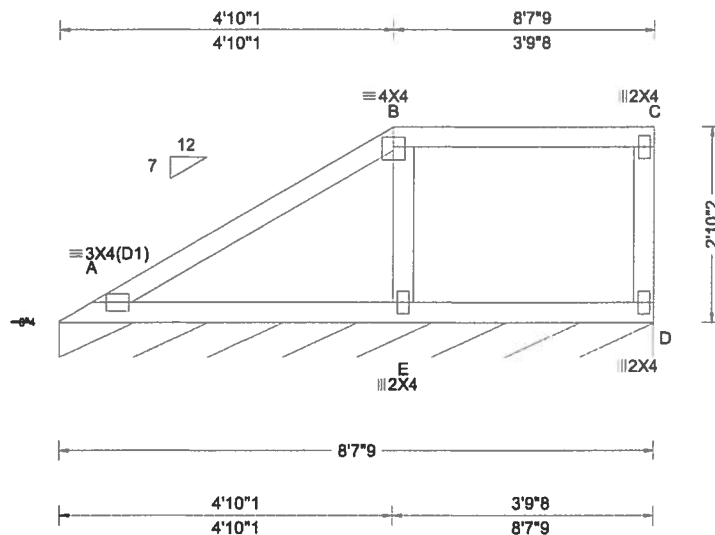
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

ALPINE
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SEQN: 290574 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V10	Cust: R 215 JRef: 1WPS2150003 T88 / DrwNo: 303.19.1200.24947 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf In PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.87 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.017 E 999 240 VERT(CL): 0.034 E 999 180 HORZ(LL): 0.005 E - - HORZ(TL): 0.010 E - - Creep Factor: 2.0 Max TC CSI: 0.290 Max BC CSI: 0.280 Max Web CSI: 0.063 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 82 /- /- /48 /9 /6 Wind reactions based on MWFRS D Brg Width = 103 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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is
2-10-2.



COA #0278

10/30/2019

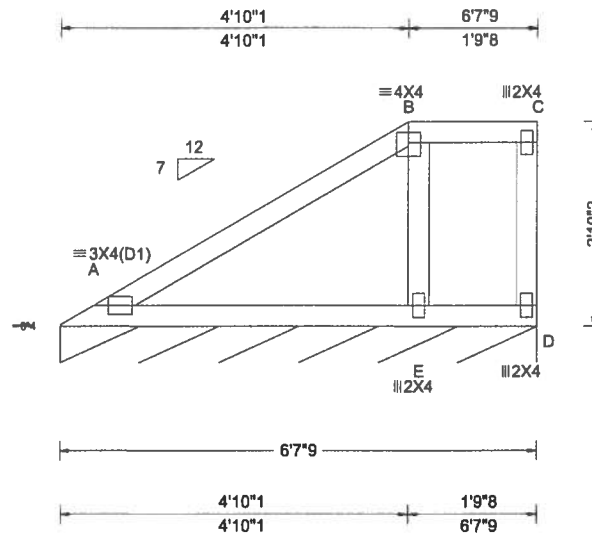
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
****IMPORTANT**** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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6750 Forum Drive
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Orlando FL, 32821

SEQN: 290577 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V11	Cust: R 215 JRef: 1WPS2150003 T27 / DrwNo: 303.19.1200.26558 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.04 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.016 E 999 240 VERT(CL): 0.033 E 999 180 HORZ(LL): 0.005 E - - HORZ(TL): 0.010 E - - Creep Factor: 2.0 Max TC CSI: 0.289 Max BC CSI: 0.228 Max Web CSI: 0.040 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 82 /- /- /50 /8 /7 Wind reactions based on MWFRS D Brg Width = 79.6 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

Purlins

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is
2'-10".



COA #0278

10/30/2019

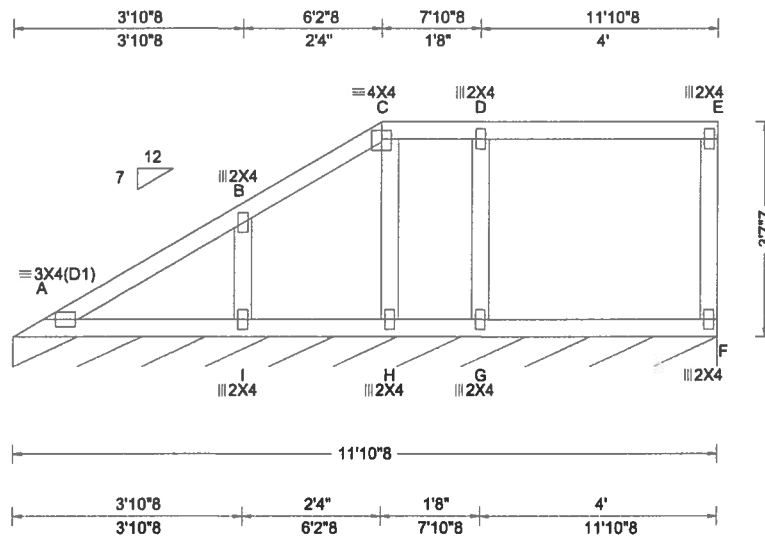
****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
****IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**
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SEQN: 290580 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V12	Cust: R 215 JRef: 1WPS2150003 T89 / DrwNo: 303.19.1200.25322 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *=PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.006 999 240 VERT(CL): 0.013 999 180 HORZ(LL): 0.002 - - HORZ(TL): 0.004 - - Creep Factor: 2.0 Max TC CSI: 0.188 Max BC CSI: 0.137 Max Web CSI: 0.066 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 83 /- /- /48 /14 /8 Wind reactions based on MWFRS F Brg Width = 142 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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0278

10/30/2019

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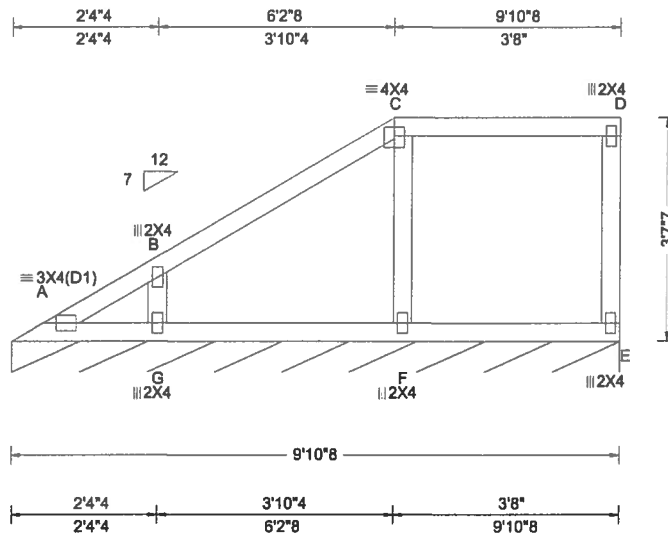
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Orlando FL, 32821

SEQN: 290583 / FROM: CDM	VAL Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V13	Cust: R 215 JRef:1WPS2150003 T90 / DrwNo: 303.19.1200.26195 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg. Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.28 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 G 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.002 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.229 Max BC CSI: 0.115 Max Web CSI: 0.055 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /49 /13 /9 Wind reactions based on MWFRS E Brg Width = 118 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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0 278

10/30/2019

****WARNING** READ AND FOLLOW ALL NOTES ON THIS DRAWING!**
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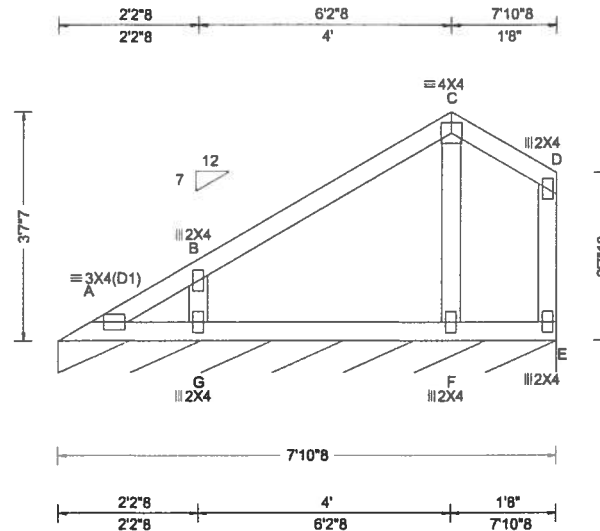
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Orlando FL, 32821

SEQN: 289890 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V14	Cust: R 215 JRef: 1WPS2150003 T91 / DrwNo: 303.19.1200.26039 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 *	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 16.44 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 G 999 240 VERT(CL): 0.001 C 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.205 Max BC CSI: 0.096 Max Web CSI: 0.050 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 83 /- /- /49 /12 /9 Wind reactions based on MWFRS E Brg Width = 94.5 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.
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 3-7-7.



COA #0328

10/30/2019

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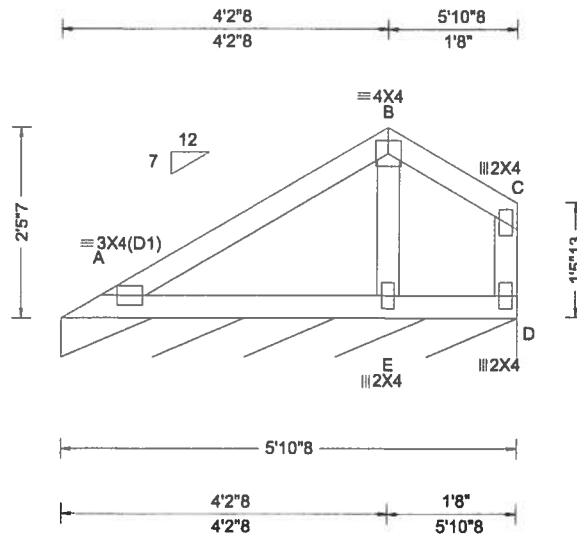
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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

ALPINE
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SEQN: 289852 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V15	Cust: R 215 JRef: 1WPS2150003 T92 / DrwNo: 303.19.1200.25525 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 17.03 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.010 E 999 240 VERT(CL): 0.021 E 999 180 HORZ(LL): 0.003 E - - HORZ(TL): 0.006 E - - Creep Factor: 2.0 Max TC CSI: 0.201 Max BC CSI: 0.163 Max Web CSI: 0.032 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 83 /- /- /47 /1 /8 Wind reactions based on MWFRS D Brg Width = 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.

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 25-7.



COA #0278

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

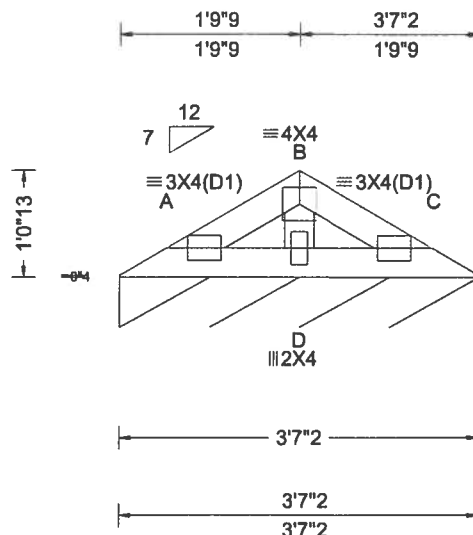
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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SEQN: 290586 / FROM: CDM	VAL Qty: 1	Ply: 1 Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V2	Cust: R 215 JRef: 1WPS2150003 T80 / DrwNo: 303.19.1200.25602 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: not in 4.50 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 D 999 240 VERT(CL): 0.001 D 999 180 HORZ(LL): -0.000 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.029 Max BC CSI: 0.024 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Loc R+ / R- / Rh / Rw / U / RL Non-Gravity C* 78 /- /- /36 /8 /5 Wind reactions based on MWFRS C Brg Width = 43.1 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-0-13.



COA #6-278

10/30/2019

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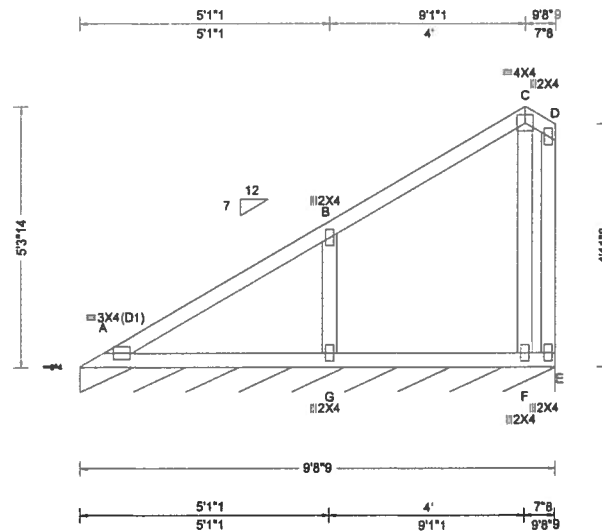
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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SEQN: 289845 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V3	Cust: R 215 JRef: 1WPS2150003 T54 / DrwNo: 303.19.1200.25945 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.013 G 999 240 VERT(CL): 0.026 G 999 180 HORZ(LL): 0.004 G - - HORZ(TL): 0.008 G - - Creep Factor: 2.0 Max TC CSI: 0.334 Max BC CSI: 0.222 Max Web CSI: 0.073 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /53 /3 /10 Wind reactions based on MWFRS E Brg Width = 116 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 5-3-14.



COA #0278

10/30/2019

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

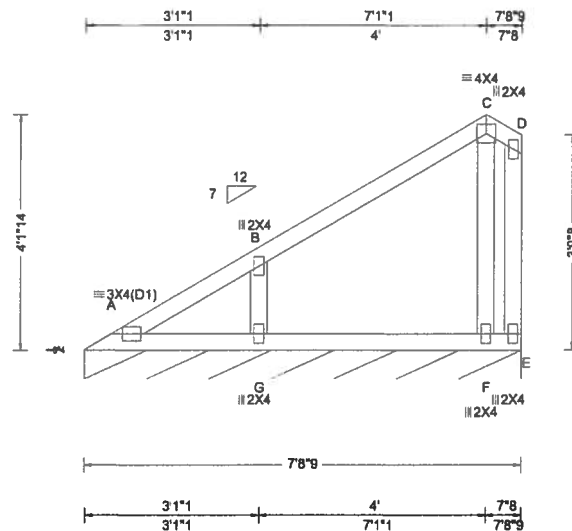
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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SEQN: 289915 / FROM: CDM	VAL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V4	Cust: R 215 JRef: 1WPS2150003 T96 / DrwNo: 303.19.1200.25165 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 G 999 240 VERT(CL): 0.003 G 999 180 HORZ(LL): -0.001 D - - HORZ(TL): 0.001 D - - Creep Factor: 2.0 Max TC CSI: 0.243 Max BC CSI: 0.122 Max Web CSI: 0.050 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /53 /3 /9 Wind reactions based on MWFRS E Brg Width = 92.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-1-14.



COA #6 278

10/30/2019

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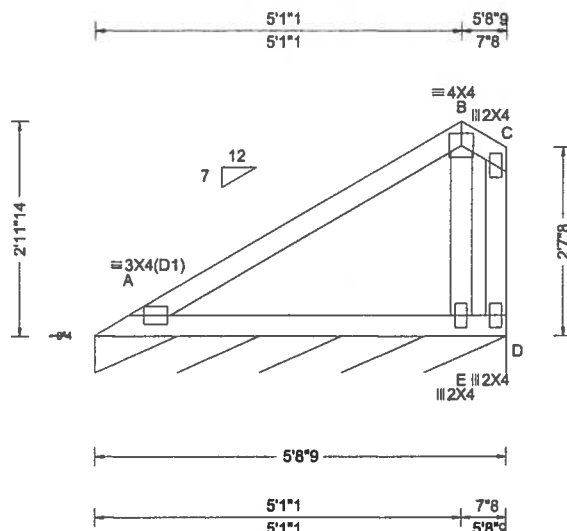
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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SEQN: 289884 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V5	Cust: R 215 JRef: 1WPS2150003 T97 / DrwNo: 303.19.1200.25540 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.018 E 999 240 VERT(CL): 0.037 E 999 180 HORZ(LL): 0.006 E - - HORZ(TL): 0.011 E - - Creep Factor: 2.0 Max TC CSI: 0.318 Max BC CSI: 0.252 Max Web CSI: 0.033 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 81 /- /- /51 /2 /9 D /-136 Wind reactions based on MWFRS D Brg Width = 68.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-11-14.



COA #0 278

10/30/2019

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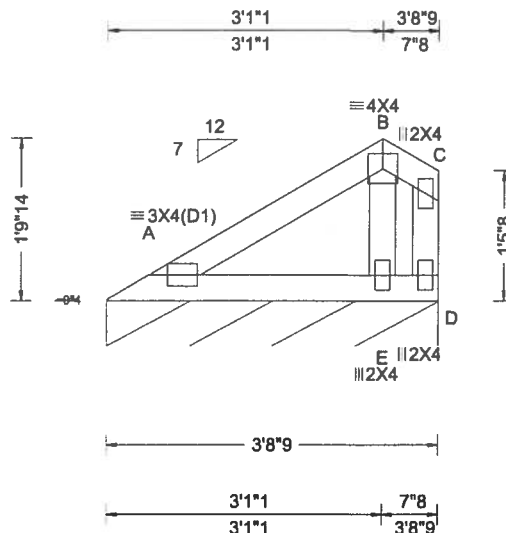
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCEA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

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SEQN: 289834 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V6	Cust: R 215 JRef: 1WPS2150003 T98 / DrwNo: 303.19.1200.26025 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.004 E 999 240 VERT(CL): 0.008 E 999 180 HORZ(LL): 0.001 E - - HORZ(TL): 0.002 E - - Creep Factor: 2.0 Max TC CSI: 0.096 Max BC CSI: 0.087 Max Web CSI: 0.018 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL D* 81 /- /- /48 /0 /8 Wind reactions based on MWFRS D Brg Width = 44.6 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-9-14.



COA #0218

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

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

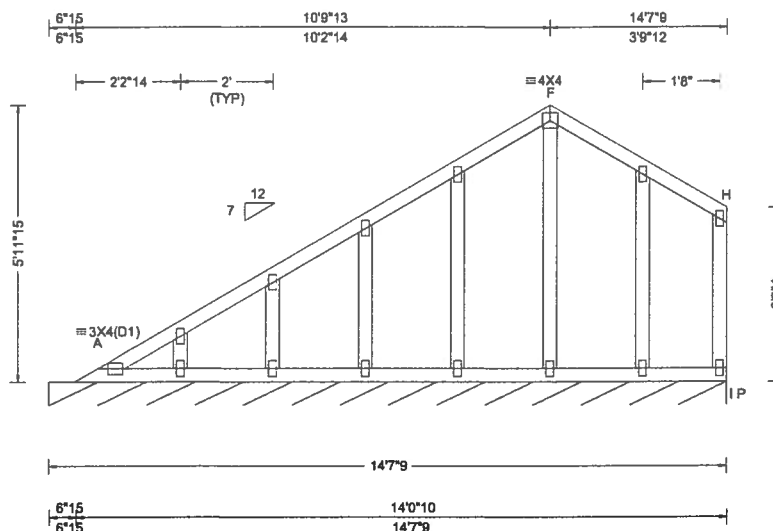
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing,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

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



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SEQN: 290589 / FROM: CDM	GABL Qty: 1	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V7	Cust: R 215 JRef: 1WPS2150003 T85 / DrwNo: 303.19.1200.25135 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0"	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 10.00 ft GCpl: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Varies by Ld Case FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.001 O 999 240 VERT(CL): 0.002 O 999 180 HORZ(LL): -0.004 E - - HORZ(TL): 0.005 E - - Creep Factor: 2.0 Max TC CSI: 0.076 Max BC CSI: 0.043 Max Web CSI: 0.068 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL P* 87 /- /- /49 /30 /12 Wind reactions based on MWFRS P Brg Width = 175 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

Plating Notes

All plates are 2X4 except as noted.

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.00 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.

Additional Notes

Refer to General Notes for additional information
See DWGS A14015ENC101014 & GBLLETIN0118 for gable wind bracing and other requirements.
The overall height of this truss excluding overhang is 5-11-15.



COA #0218

10/30/2019

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING!

IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

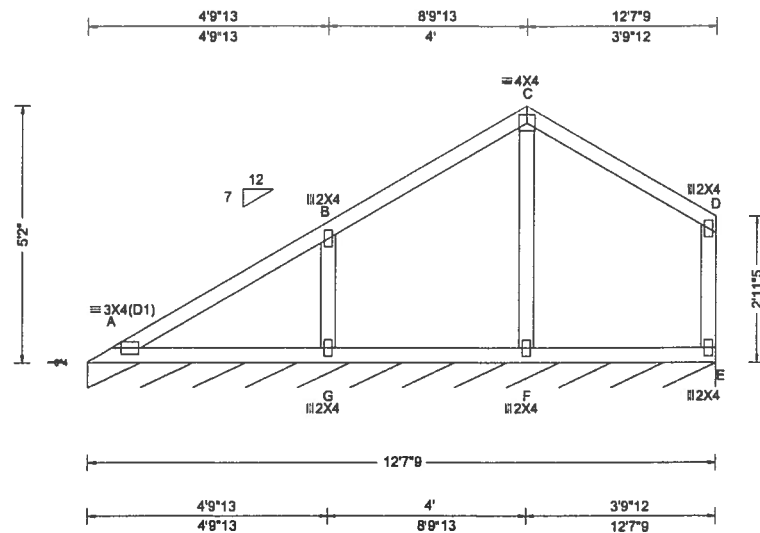
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For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinet.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 289901 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V8	Cust: R 215 JRef: 1WPS2150003 T86 / DrwNo: 303.19.1200.26570 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg, Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.00 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.011 G 999 240 VERT(CL): 0.022 G 999 180 HORZ(LL): 0.003 G - - HORZ(TL): 0.006 G - - Creep Factor: 2.0 Max TC CSI: 0.322 Max BC CSI: 0.190 Max Web CSI: 0.096 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL E* 82 /- /- /48 /13 /8 Wind reactions based on MWFRS E Brg Width = 151 Min Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information
See DWG VAL160101014 for valley details.

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



COA #6278

10/30/2019

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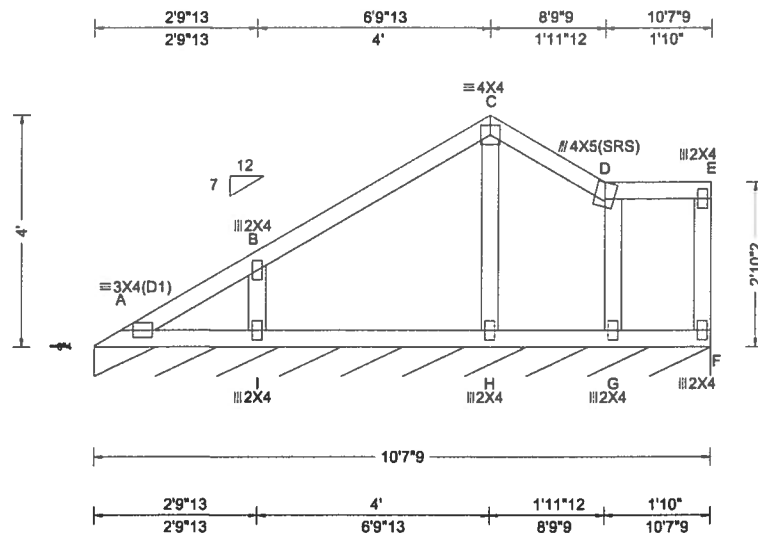
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6750 Forum Drive
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SEQN: 290592 / FROM: CDM	VAL	Ply: 1 Qty: 1	Job Number: 19-3610 /RIVERS /ZECHER CONSTRUCTION Truss Label: V9	Cust: R 215 JRef: 1WPS2150003 T87 / DrwNo: 303.19.1200.25104 / YK 10/30/2019
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Loading Criteria (psf)	Wind Criteria	Snow Criteria (Pg,Pf in PSF)	Defl/CSI Criteria	▲ Maximum Reactions (lbs), or *PLF
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Kzt: NA Mean Height: 15.28 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h/2 to h C&C Dist a: 3.00 ft Loc. from endwall: not in 9.00 ft GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA Code / Misc Criteria Bldg Code: FBC 2017 RES TPI Std: 2014 Rep Fac: Yes FT/RT: 20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/def L/# VERT(LL): 0.001 999 240 VERT(CL): 0.002 999 180 HORZ(LL): -0.001 E - - HORZ(TL): 0.002 E - - Creep Factor: 2.0 Max TC CSI: 0.204 Max BC CSI: 0.098 Max Web CSI: 0.049 VIEW Ver: 18.02.01B.0321.08	Gravity Non-Gravity Loc R+ / R- / Rh / Rw / U / RL F* 82 /- /- /48 /13 /7 Wind reactions based on MWFRS F Brg Width = 127 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

Purlins

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

See DWG VAL160101014 for valley details.

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



COA #0278

10/30/2019

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
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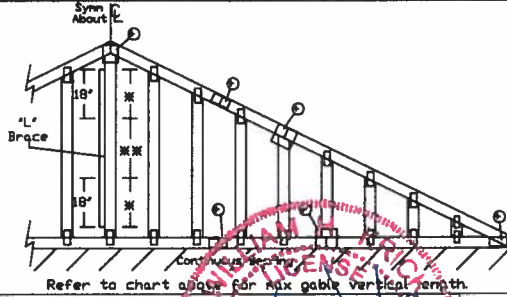
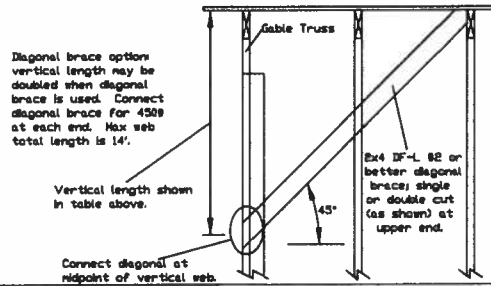
Gable Stud Reinforcement Detail ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

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

Bracing Group Species and Grades			
Group A:			
Service Pine-Fir		Heu-Fir	
#1 / #2 Standard		#2 Stud	
#2 Stud		#3 Standard	
Douglas Fir-Larch		Southern Pine	
#2 Stud		#3 Stud	
Standard		Standard	
Group B:			
Heu-Fir			
#1			
Douglas Fir-Larch		Southern Pine	
#1		#1	
#2		#2	

1x4 Braces shall be SRS (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.
Gable Truss Detail Notes:
 Wind Load deflection criterion is L/240.
 Provide uplift connections for SS plf over continuous bearing CS psf TC Dead Load.
 Gable end supports load from 4' 0" outclosures with 2' 0" overhang, or 12" plywood overhang.



Attach 'L' braces with 10d (0.125"x3.0") 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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 Maryland Heights, MO 63043

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

No. 70861
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 10/30/2019

REF ASCE7-10-GAB14015
 DATE 10/01/14
 DRWG A14015ENC101014
 MAX. TOT. LD. 60 PSF
 MAX. SPACING 24.0'

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

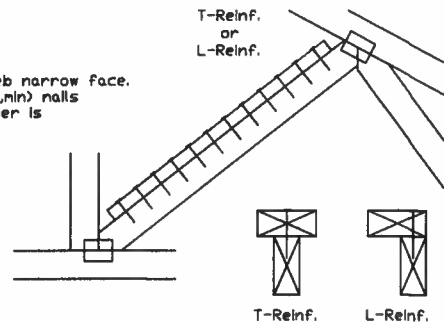
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6

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

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

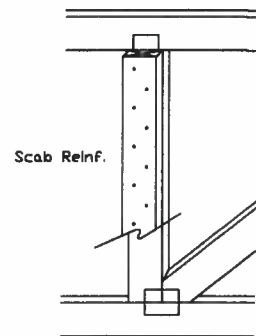
T-Reinforcement or L-Reinforcement:

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.



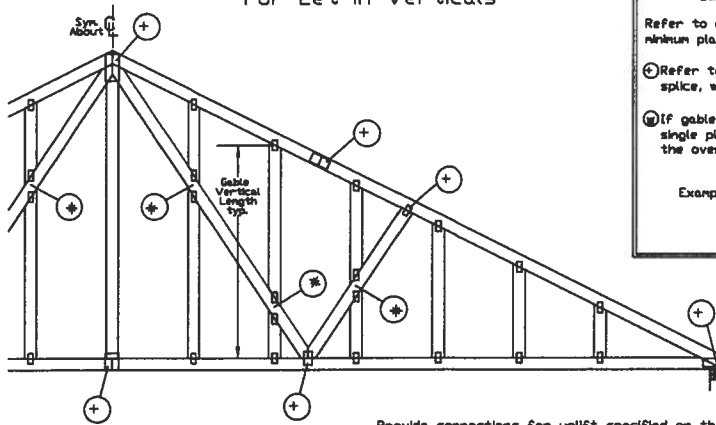
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Maryland Heights, MO 63043

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

Gable Detail For Let-In Verticals



Gable Truss Plate Sizes

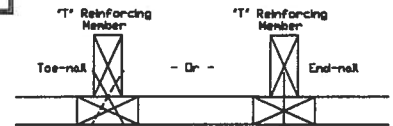
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

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

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

Example: 2X4 2X4 2X8

'T' Reinforcement Attachment Detail



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

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.
'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Min. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, $K_{zt} = 1.00$
Gable Vertical = 24' o.c. SP #3
'T' Reinforcing Member Size = 2x4
'T' Brace Increase (From Above) = $30\% \times 1.30$
(1) 2x4 'L' Brace Length = 8' 7"
Maximum 'T' Reinforced Gable Vertical Length
 $1.30 \times 8' 7" = 11' 2"$

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:
10d Common (0.148"x3",min) Nails at 4' o.c. plus
(4) 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.

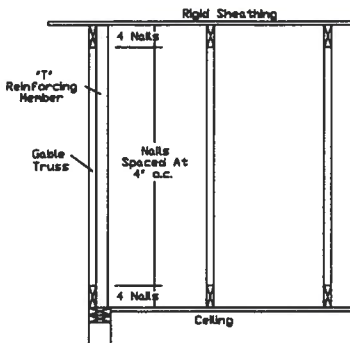
ASCE 7-05 Gable Detail Drawings

A130150S1014, A120150S1014, A110150S1014, A140150S1014,
A130300S1014, A120300S1014, A110300S1014, A100300S1014, A140300S1014

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

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118,
A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118,
A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118,
A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118,
S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118,
S18015ENC100118, S20015ENC100118, S22015ENC100118, S24015ENC100118,
S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118,
S18030ENC100118, S20030ENC100118, S22030ENC100118, S24030ENC100118

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



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No. 70861
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
DA 40378 R/30/2019

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

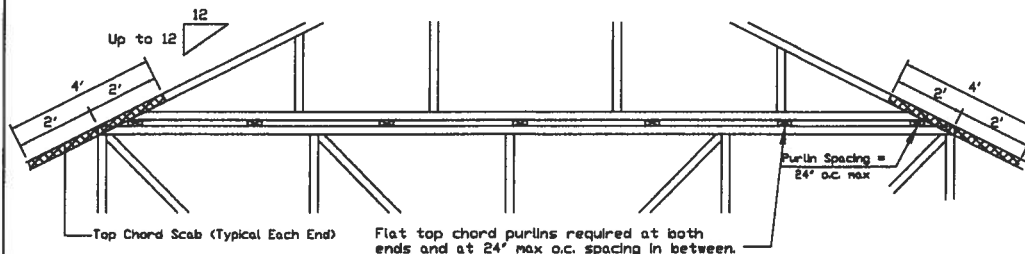
160 mph Wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

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

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

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

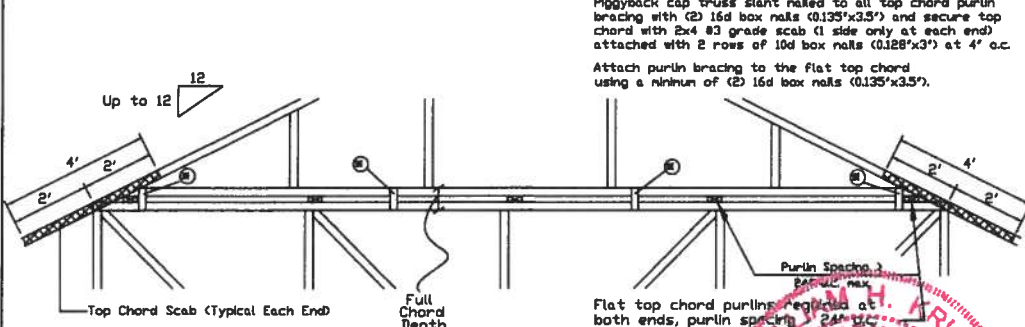


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (2) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

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

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

Trulox
Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

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

2x4 Vertical Scab
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.

ALPINE
AN ITW COMPANY

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Maryland Heights, MO 63043

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 ICC Building Components Safety Information by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per SBCA. Unless noted otherwise, top chord shall have properly attached structural sheathing and secure chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of steel shall have bracing installed per SBCA sections E3, E7 or E10, 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 authority and use of this drawing for any structure is the responsibility of the building designer per ASCE/TPI 1 Sec.2.

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

WILLIAM H. KRICK
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER

00A #0378 10/30/2019

REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014
SPACING	24.0'

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

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

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

Bottom chord may be square or pitched cut
as shown.

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

All plates shown are ITW BCG Wave Plates.

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

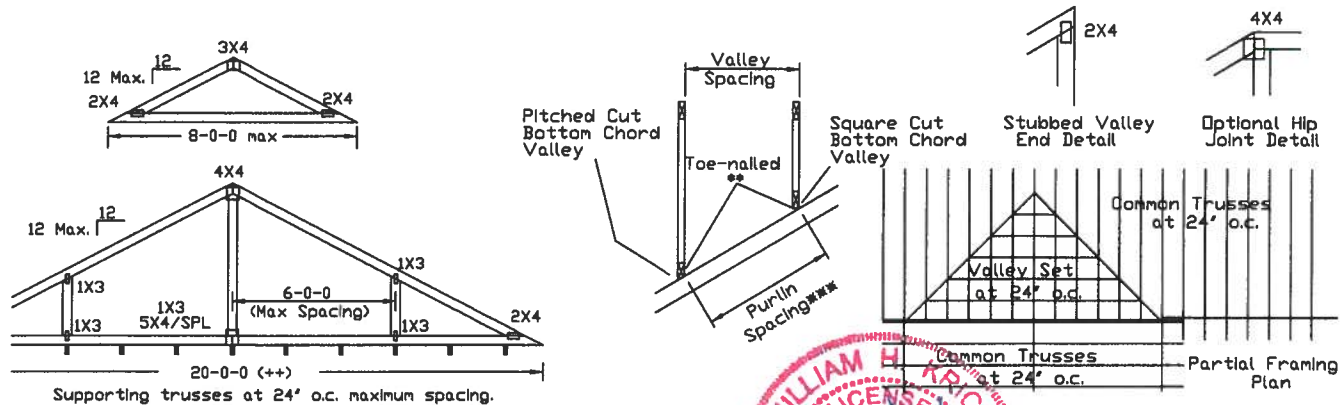
Top chord of truss beneath valley set must be braced with
properly attached, rated sheathing applied prior to valley truss
installation.

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

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

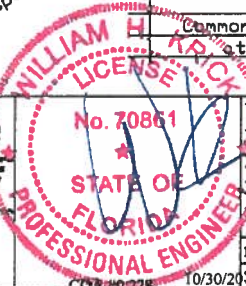
*** Note that the purlin spacing for bracing the top chord of the truss
beneath the valley is measured along the slope of the top chord.

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



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IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and
follow the latest edition of BCS Building Component Safety Information, by TPI and SCSA for safety
practices prior to performing these functions. Installers shall provide temporary bracing per BCS
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 a web
shall have bracing included per BCS sections 53, 57 or 60, as applicable. Apply plates to each side
of truss and position as shown above and on the joint details, unless noted otherwise.
Refer to drawings 1601-2 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 or 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.alpineinc.com TPI: www.tpi.org SCSA: www.scsa.org BCS: www.bcsa.org



TC	LL	30	30	40PSF	REF	VALLEY DETAIL
TC	DL	20	15	7PSF	DATE	10/01/2014
BC	DL	10	10	10 PSF	DRWG	VAL160101014
BC	LL	0	0	0 PSF		
DT.	LD.	60	55	57PSF		
DURFAC.	1.25/1.33	1.15	1.15			
SPACING	24.0'					