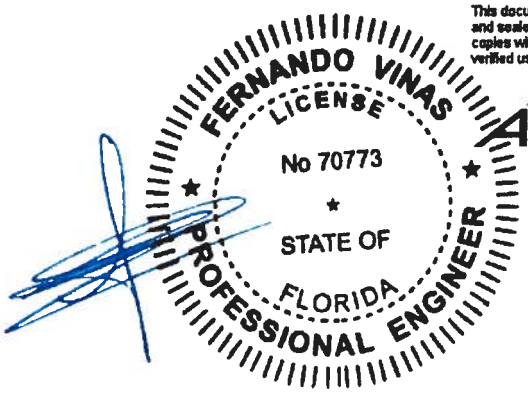

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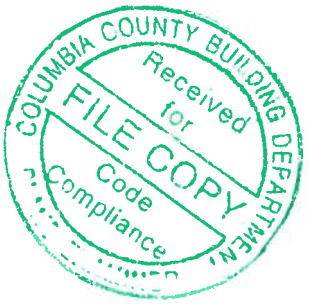
ALPINE AN ITW COMPANY

COA#0-278
10/14/2019

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



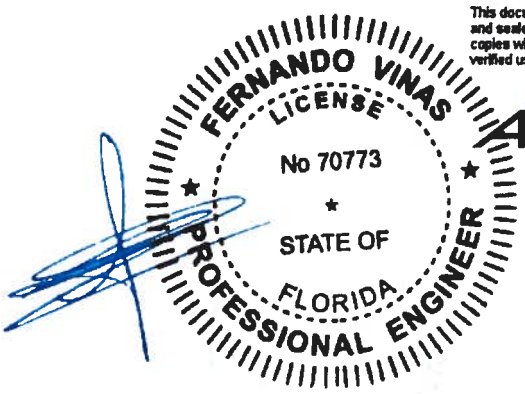
Site Information:	Page 1:
Customer: W. B. Howland Company, Inc.	*Job Number:* 19-3628
Job Description: /LOT 21 BLACKBERRY FARMS /Gibraltor Contr.	
Address: LAKE CITY, FL	

Job Engineering Criteria:	
Design Code: FBC2017RES	*IntelliVIEW Version:* 18.02.00 *JRef #:* 1WPc2150009
Wind Standard: ASCE 7-10 *Wind Speed (mph):* 130.000000 *Building Type:* Closed	*Roof Load (psf):* 20.00-10.00- 0.00-10.00 *Floor Load (psf):* None

This package contains general notes pages, 65 truss drawing(s) and 6 detail(s).

Item	Seal #	Truss
1	287.19.1634.08198	A01
3	287.19.1634.08383	A03
5	287.19.1634.08180	B02
7	287.19.1634.08242	B04
9	287.19.1634.07214	B06
11	287.19.1634.08352	C01
13	287.19.1634.08398	C04
15	287.19.1634.07042	D02
17	287.19.1634.07994	D04
19	287.19.1634.06963	G01
21	287.19.1634.06826	G03
23	287.19.1634.07370	H01
25	287.19.1634.07557	J02
27	287.19.1634.07275	J04
29	287.19.1634.08133	J06
31	287.19.1634.07057	J08
33	287.19.1634.07166	J10
35	287.19.1634.07619	J12
37	287.19.1634.07712	J14
39	287.19.1634.07229	K01
41	287.19.1634.07041	L01
43	287.19.1634.08055	P01
45	287.19.1634.07573	P03
47	287.19.1634.06857	R01
49	287.19.1634.06980	R03
51	287.19.1634.07449	V02

Item	Seal #	Truss
2	287.19.1634.08197	A02
4	287.19.1634.08290	B01
6	287.19.1634.08150	B03
8	287.19.1634.08321	B05
10	287.19.1634.06855	B07
12	287.19.1634.08243	C03
14	287.19.1634.06885	D01
16	287.19.1634.07384	D03
18	287.19.1634.06856	D05
20	287.19.1634.07650	G02
22	287.19.1634.07744	G04
24	287.19.1634.07760	J01
26	287.19.1634.07306	J03
28	287.19.1634.07198	J05
30	287.19.1634.07604	J07
32	287.19.1634.07072	J09
34	287.19.1634.07043	J11
36	287.19.1634.06824	J13
38	287.19.1634.08026	J15
40	287.19.1634.07635	K02
42	287.19.1634.08306	N01
44	287.19.1634.07775	P02
46	287.19.1634.06825	P04
48	287.19.1634.08056	R02
50	287.19.1634.07262	V01
52	287.19.1634.06995	V03



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ALPINE AN ITW COMPANY

COA#0-278
10/14/2019

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Orlando, FL 32821
Phone: (800)755-6001
www.alpineitw.com

Site Information:	Page 2:
Customer: W. B. Howland Company, Inc.	*Job Number:* 19-3628
Job Description: /LOT 21 BLACKBERRY FARMS /Gibraltor Contr.	
Address: LAKE CITY, FL	

Item	Seal #	Truss
53	287.19.1634.08025	V04
55	287.19.1634.07526	V06
57	287.19.1634.07588	V08
59	287.19.1634.07946	V10
61	287.19.1634.07431	V12
63	287.19.1634.07930	V14
65	287.19.1634.07448	V16
67	BRCLBSUB0119	
69	GBLLETIN0118	
71	VAL160101014	

Item	Seal #	Truss
54	287.19.1634.07494	V05
56	287.19.1634.07696	V07
58	287.19.1634.07307	V09
60	287.19.1634.07261	V11
62	287.19.1634.07790	V13
64	287.19.1634.07401	V15
66	A14015ENC101014	
68	BRCLBSUB1014	
70	PB160101014	

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)

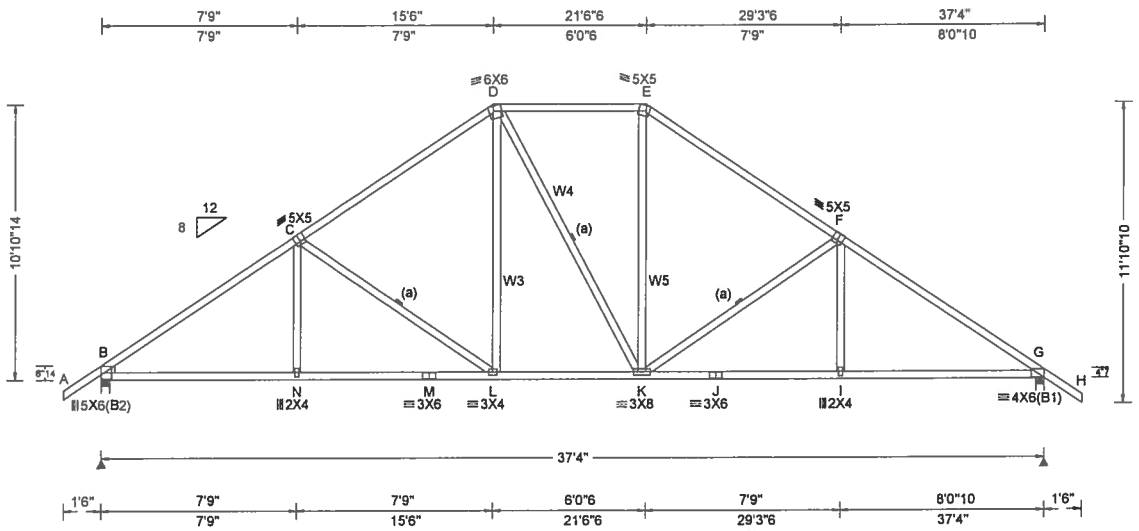
Key to Terms:
Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written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

SEQN: 620088 / COMN FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** A01	Cust: R R215 JRef: 1WPc2150009 T44 / DrwNo: 287.19.1634.08198 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.14 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.131	L	999	240
VERT(CL): 0.240	L	999	180
HORZ(LL): 0.055	I	-	-
HORZ(TL): 0.100	I	-	-

Creep Factor: 2.0
Max TC CSI: 0.864
Max BC CSI: 0.465
Max Web CSI: 0.357

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1917	/-	/-	/1023	/23	/358
G	1913	/-	/-	/1032	/23	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
G Brg Width = 4.0 Min Req = 1.6
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	501	-2724	E - F	497	-2037
C - D	498	-2052	F - G	508	-2762
D - E	474	-1582			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2145	-265	K - J	2183	-293
N - M	2141	-266	J - I	2183	-293
M - L	2141	-266	I - G	2187	-293
L - K	1589	-103			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	214	-678	K - E	629	-111
D - L	641	-104	K - F	224	-744

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
Webs 2x4 SP #3 :W3, W4, W5 2x4 SP #2:
:Lt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Loading

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

Wind

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

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-10-14.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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

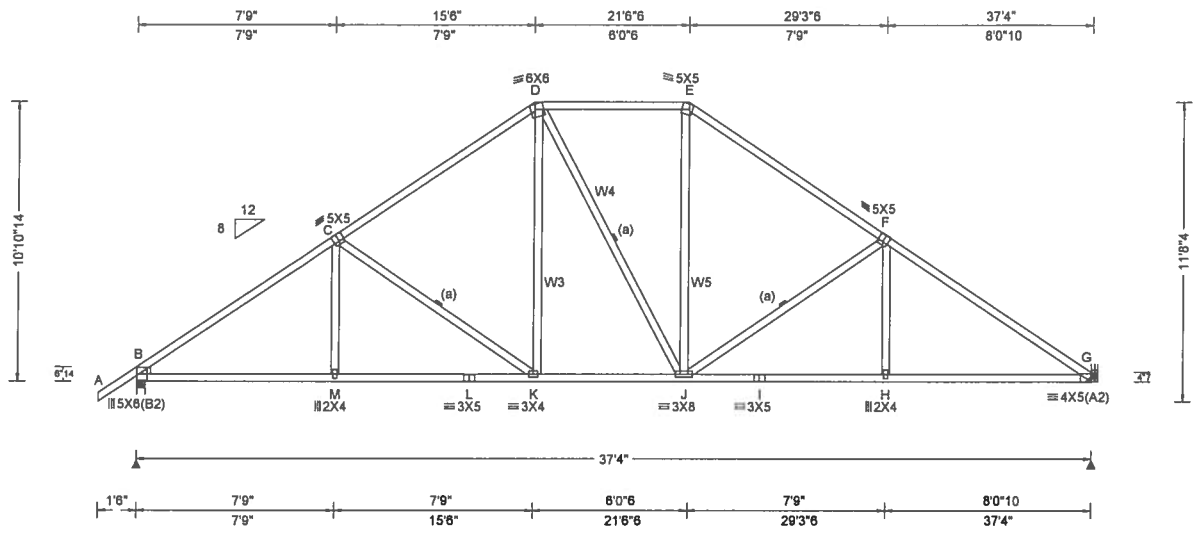
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI.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

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

SEQN: 620090 / COMN FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** A02	Cust: R R215 JRef: 1WPc2150009 T59 / DrwNo: 287.19.1634.08197 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.24 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

	Ioc	L/defl	L/#
PP Deflection in			
VERT(LL): 0.131	K	999	240
VERT(CL): 0.238	K	999	180
HORZ(LL): 0.055	H	-	-
HORZ(TL): 0.101	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.953
Max BC CSI: 0.466
Max Web CSI: 0.368

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1921	/-	/-	/1023	/9	/339
G	1807	/-	/-	/939	/-	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.6
G Brg Width = - Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	506	-2730	E - F	508	-2046
C - D	501	-2058	F - G	537	-2788
D - E	477	-1588			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	2149	-320	J - I	2208	-332
M - L	2146	-320	I - H	2208	-332
L - K	2146	-320	H - G	2212	-332
K - J	1594	-147			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - K	212	-677	J - E	636	-121
D - K	642	-104	J - F	236	-767

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP M-31
Webs 2x4 SP #3 :W3, W4, W5 2x4 SP #2:
:Lt Wedge 2x4 SP #3:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

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

Bearing at location x=37'1" uses the following support conditions: 37'1"
Bearing G (37'1", 10') 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.

Loading

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

Wind

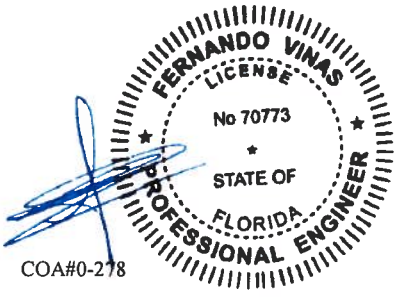
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-10-14.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.



COA#0-278

10/14/2019

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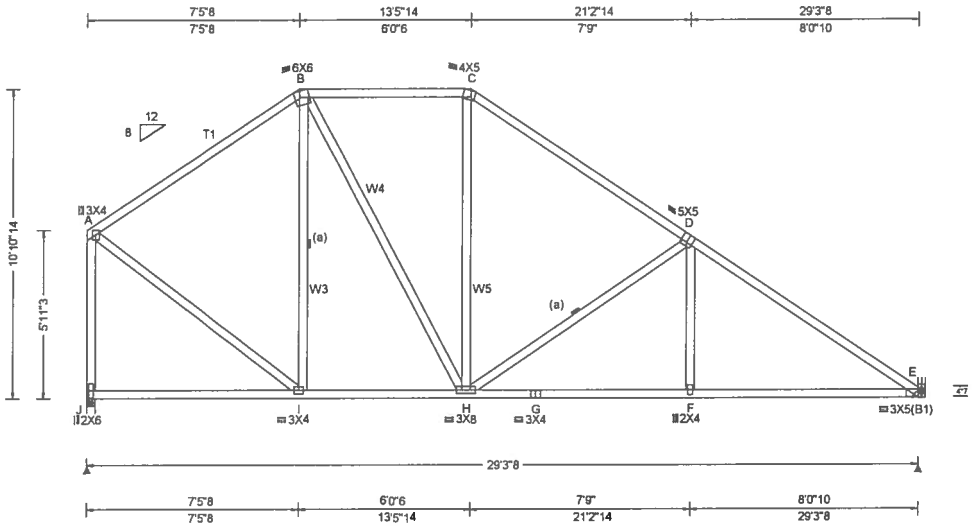
For more information see this job's general notes page and these web sites. ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 620092 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** A03	Cust: R R215 JRef: 1WPc2150009 T30 / DrwNo: 287.19.1634.08383 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.64 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.046	F	999	240
VERT(CL): 0.096	F	999	180
HORZ(LL): 0.020	F	-	-
HORZ(TL): 0.042	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.765
Max BC CSI: 0.845
Max Web CSI: 0.761

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J	1226	/-	/-	/659	/51	/245
E	1236	/-	/-	/764	/43	/-

Wind reactions based on MWFRS
J Brg Width = 3.5 Min Req = 1.5
E Brg Width = - Min Req = -
Bearing J 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	281	- 927	C - D	348	- 1180
B - C	348	- 860	D - E	377	- 1801

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
I - H	678	- 54	G - F	1393	- 209
H - G	1393	- 209	F - E	1396	- 209

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - J	315	- 1164	B - H	376	- 120
A - I	848	- 170	H - D	238	- 653

Lumber

Top chord 2x4 SP #2 :T1 2x4 SP M-31:
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W3, W4, W5 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

(J) Hanger Support Required, by others

Wind

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

Left end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-10-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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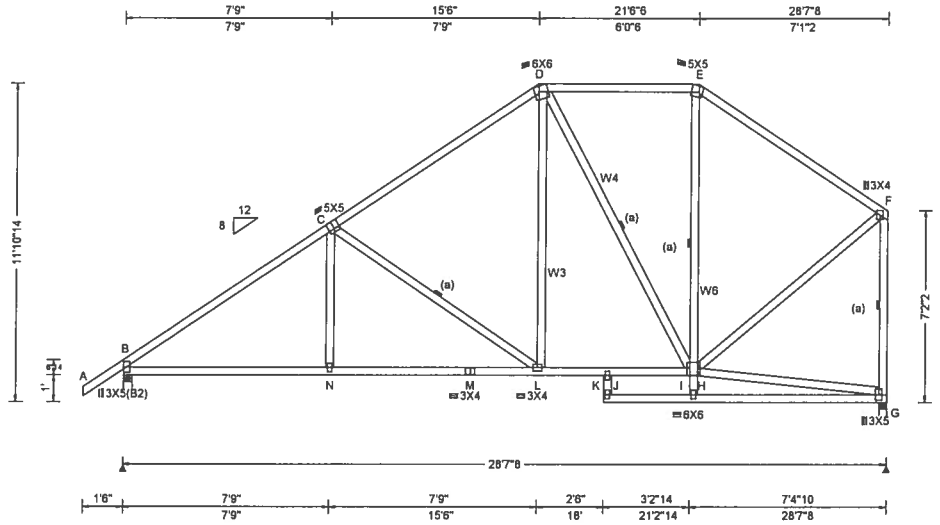
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 620094 / SPEC FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B01	Cust: R R215 JRef: 1WPc2150009 T37 / DrwNo: 287.19.1634.08290 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.24 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.054	N	999	240
VERT(CL): 0.113	N	999	180
HORZ(LL): 0.027	G	-	-
HORZ(TL): 0.056	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.878
Max BC CSI: 0.747
Max Web CSI: 0.338

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1311	/-	/-	/837	/51	/257
G	1198	/-	/-	/646	/50	/-

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	337	-1709	D - E	287	-649
C - D	327	-1139	E - F	269	-885

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1308	-355	L - J	827	-180
N - M	1306	-355	J - H	819	-178
M - L	1306	-355			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - L	215	-588	H - F	826	-168
D - L	501	-100	F - G	306	-1135

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W3, W4, W6 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

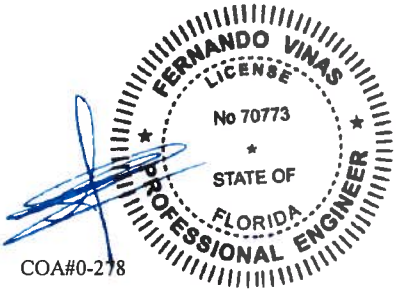
Right end vertical not exposed to wind pressure.

Additional Notes

Refer to General Notes for additional information

The overall height of this truss excluding overhang is 10-10-14.

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#0-278

10/14/2019

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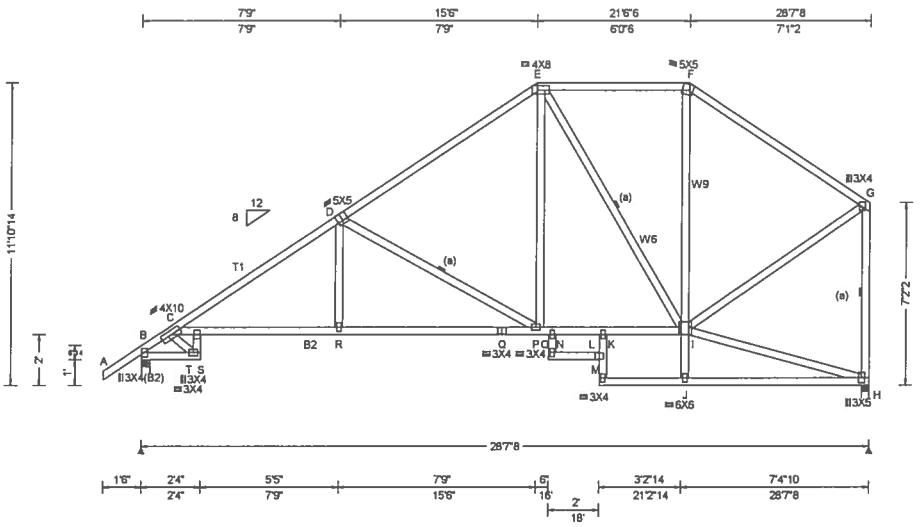
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trussesA seal on this drawing or cover page listing this drawing,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

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

SEQN: 620096 / HIPS FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B02	Cust: R R215 JRef: 1WPc2150009 T24 / DrwNo: 287.19.1634.08180 YK / WHK 10/14/2019



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): 0.262	S	999	240	Loc	R+ / R-	/ Rh		/ Rw / U	/ RL
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): 0.545	S	629	180	B	1311 /-	/-		/837 /52	/258
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.139	H	-	-	H	1198 /-	/-		/645 /49	/-
Des Ld:	40.00	EXP: C Kzt: NA	**Code / Misc Criteria**	HORZ(TL): 0.290	H	-	-	Wind reactions based on MWFRS					
NCBCLL:	10.00	Mean Height: 15.24 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: 0.895				H Brg Width = 3.5			Min Req = 1.5		
Load Duration:	1.25	BCDL: 5.0 psf	Rep Fac: Yes	Max BC CSI: 0.843				Bearings B & H are a rigid surface.					
Spacing:	24.0 "	MWFRS Parallel Dist: h to 2h	FT/RT:20(0)/10(0)	Max Web CSI: 0.418				Members not listed have forces less than 375#					
		C&C Dist a: 3.00 ft	Plate Type(s):					**Maximum Top Chord Forces Per Ply (lbs)**					
		Loc. from endwall: not in 9.00 ft	WAVE	VIEW Ver: 18.02.00A.1126.20				Chords	Tens.	Comp.	Chords	Tens.	Comp.
		GCpi: 0.18						B - C	233	-1346	E - F	301	-718
		Wind Duration: 1.60						C - D	447	-2066	F - G	285	-968
								D - E	348	-1239			

Lumber

Top chord 2x4 SP #2 :T1 2x4 SP M-31:
Bot chord 2x4 SP #2 :B2 2x4 SP M-31:
Webs 2x4 SP #3 :W6, W9 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Wind

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

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 10-10-14.

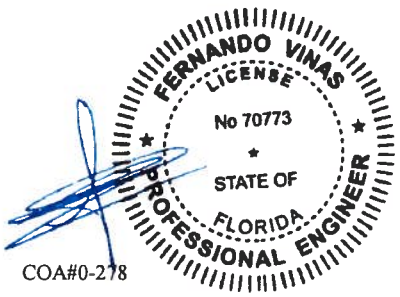
Laterally brace top chord below filler and bottom chord above filler at 24" o.c., including a lateral brace at chord ends (If no rigid diaphragm exists at that point).

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	859	-296	Q - P	1664	-451
C - T	1733	-474	P - N	904	-196
T - R	1669	-451	N - K	901	-193
R - Q	1664	-451	K - I	902	-194

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	410	-1189	E - P	539	-109
T - S	717	-238	I - G	857	-173
R - D	465	-36	G - H	306	-1137
D - P	295	-879			



COA#0-278

10/14/2019

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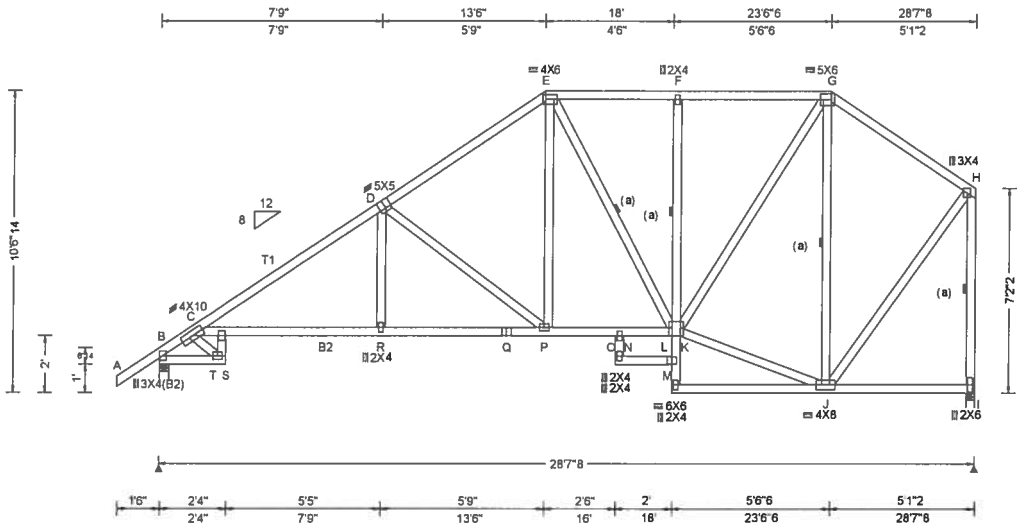
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 620098 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B03	Cust: R R215 JRef: 1WPc2150009 T15 / DrwNo: 287.19.1634.08150 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.267	S	999	240
VERT(CL): 0.557	S	615	180
HORZ(LL): 0.142	J	-	-
HORZ(TL): 0.296	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.634
Max BC CSI: 0.858
Max Web CSI: 0.803

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1311	/-	/-	/835	/77	/220
I	1198	/-	/-	/629	/92	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
I Brg Width = 3.5 Min Req = 1.5
Bearings B & I are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	255	-1366	E - F	352	-992
C - D	460	-2055	F - G	352	-991
D - E	387	-1369	G - H	222	-697

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	884	-318	Q - P	1647	-457
C - T	1719	-482	P - N	1035	-251
T - R	1653	-458	N - K	1030	-247
R - Q	1647	-457			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	440	-1224	K - J	534	-120
T - S	737	-256	K - G	873	-219
R - D	435	-52	J - G	222	-753
D - P	263	-779	J - H	854	-195
E - P	503	-115	H - I	316	-1158

Lumber

Top chord 2x4 SP #2 :T1 2x4 SP M-31:
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 3X4 except as noted.

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 9-6-14.

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).

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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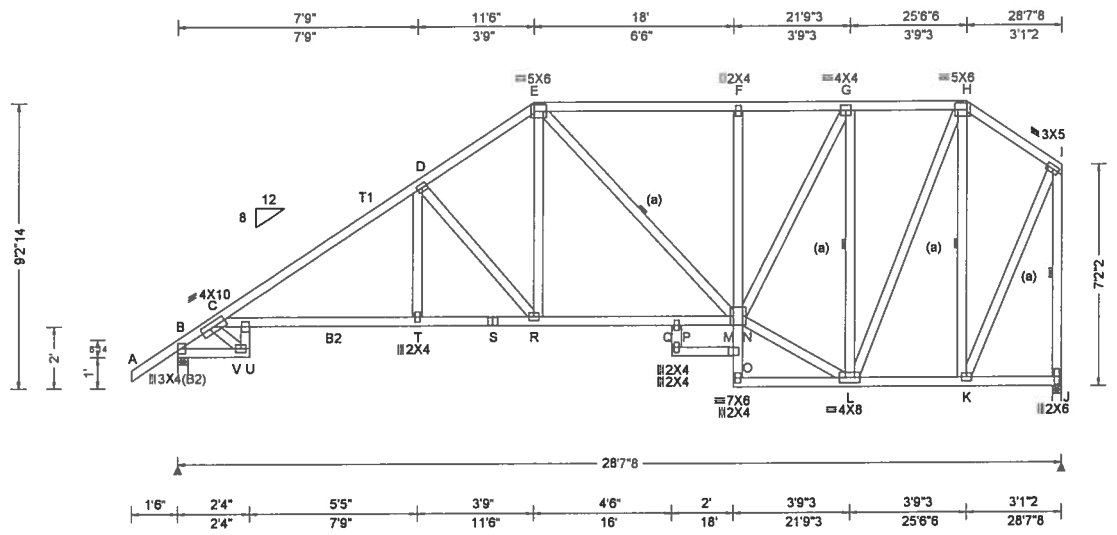
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 620100 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B04	Cust: R R215 JRef: 1WPc2150009 T18 / DrwNo: 287.19.1634.08242 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.267	U	999	240
VERT(CL): 0.556	U	616	180
HORZ(LL): 0.146	K	-	-
HORZ(TL): 0.305	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.573
Max BC CSI: 0.860
Max Web CSI: 0.477

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
B	1311 /-	/-	/828	/209	/190
J	1198 /-	/-	/618	/223	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
J Brg Width = 3.5 Min Req = 1.5
Bearings B & J are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	271	-1371	F - G	384	-1196
C - D	482	-2059	G - H	255	-703
D - E	438	-1535	H - I	163	-500
E - F	385	-1199			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - U	890	-332	S - R	1650	-474
C - V	1722	-501	R - P	1197	-314
V - T	1655	-475	P - M	1193	-304
T - S	1650	-474	L - K	380	-97

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - U	460	-1233	M - L	821	-204
V - U	742	-267	G - L	316	-1105
T - D	407	-75	L - H	829	-214
D - R	251	-711	H - K	227	-768
E - R	539	-134	K - I	925	-236
F - M	148	-379	I - J	328	-1174
M - G	1043	-272			

Lumber

Top chord 2x4 SP #2 :T1 2x4 SP M-31:
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 3X4 except as noted.

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 8-2-14.

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).

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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

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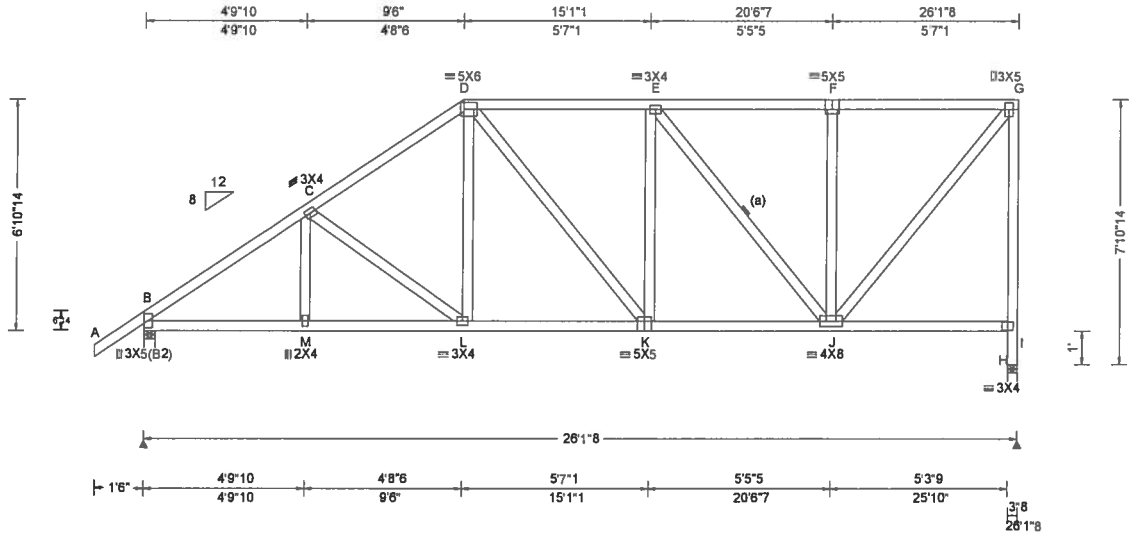
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 620102 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B05	Cust: R R215 JRef: 1WPc2150009 T10 / DrwNo: 287.19.1634.08321 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.051	L	999	240
VERT(CL): 0.107	L	999	180
HORZ(LL): 0.021	J	-	-
HORZ(TL): 0.043	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.508
Max BC CSI: 0.690
Max Web CSI: 0.998

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+ / R-		/ Rh	/ Rw	/ U	/ RL
B	1200	/-	/-	/760	/185	/220
H	1098	/-	/-	/566	/222	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
H Brg Width = 3.5 Min Req = 3.5
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	308	-1566	E - F	204	-742
C - D	320	-1292	F - G	204	-742
D - E	300	-1062			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1213	-390	L - K	1012	-303
M - L	1213	-391	K - J	1060	-293

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
E - J	156	-509	I - H	314	-1098
F - J	153	-386	I - G	320	-1051
J - G	1182	-328			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

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 6-10-14.

Drop leg not designed to support lateral loads from wall enduced by wind. Provisions must be made to resist lateral loads from wall. Building designer must approve prior to fabrication.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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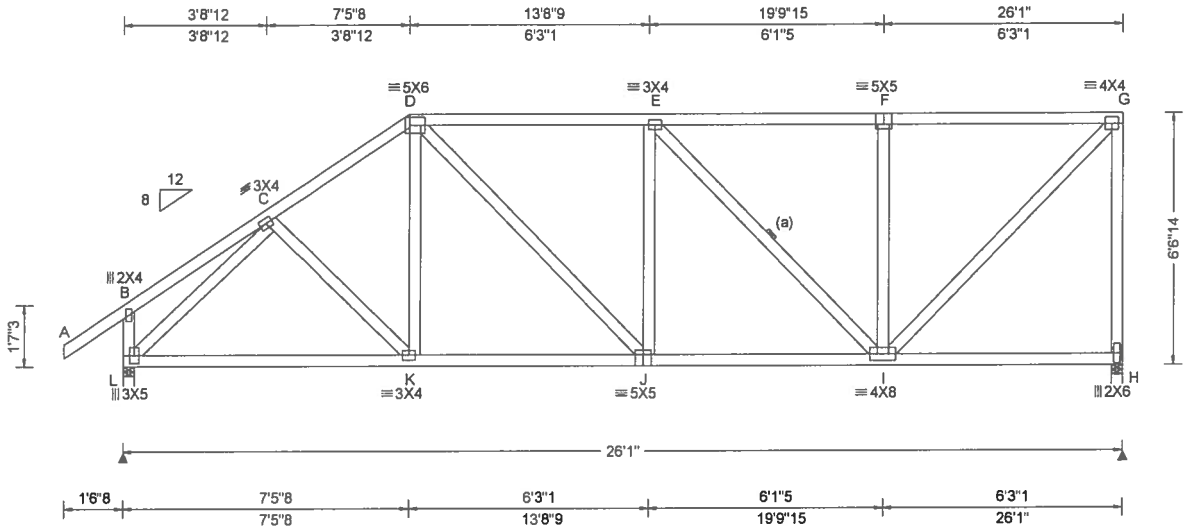
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567030 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B06	Cust: R R215 JRef: 1WPc2150009 T11 / DrwNo: 287.19.1634.07214 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.042	E	999	240
VERT(CL): 0.086	E	999	180
HORZ(LL): 0.016	D	-	-
HORZ(TL): 0.034	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.584
Max BC CSI: 0.662
Max Web CSI: 0.801

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	1205	/-	/-	/738	/191	/171
H	1093	/-	/-	/559	/220	/-

Wind reactions based on MWFRS
L Brg Width = 3.5 Min Req = 1.5
H Brg Width = 3.5 Min Req = 1.5
Bearings L & H are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
C - D	321	-1210	E - F	242	-876
D - E	334	-1161	F - G	242	-876

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	898	-348	J - I	1165	-336
K - J	960	-305			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - C	222	-1250	I - G	1241	-343
E - I	142	-420	G - H	319	-1043
F - I	169	-432			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

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 6-6-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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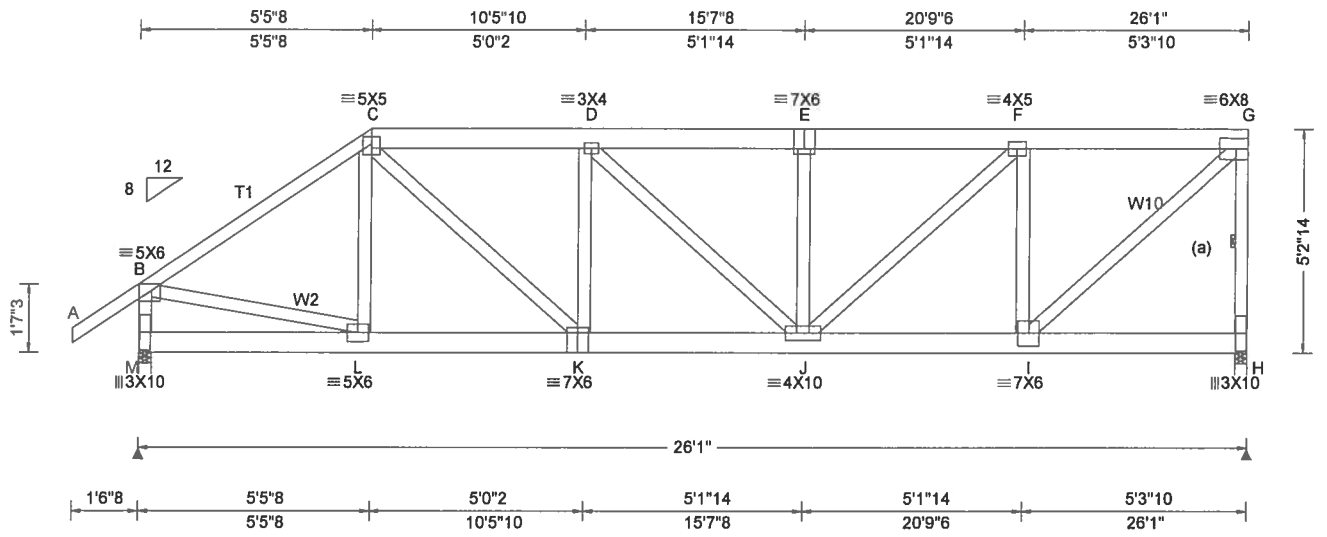
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567110 / HIPM FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** B07	Cust: R R215 JRef: 1WPc2150009 T14 / DrwNo: 287.19.1634.06855 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

	loc	L/defl	L/#
PP Deflection in	E	999	240
VERT(LL): 0.115	E	999	240
VERT(CL): 0.232	E	999	180
HORZ(LL): 0.029	C	-	-
HORZ(TL): 0.059	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.547
Max BC CSI: 0.815
Max Web CSI: 0.793

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity		Non-Gravity		
Loc	R+ / R-	/ Rh	/ Rw	/ U	/ RL
M	2583 /-	/-	/-	/621	/-
H	2819 /-	/-	/-	/705	/-

Wind reactions based on MWFRS
M Brg Width = 3.5 Min Req = 3.0
H Brg Width = 3.5 Min Req = 3.3
Bearings M & 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	761	-3158	E - F	908	-3678
C - D	902	-3687	F - G	610	-2464
D - E	908	-3678			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	2562	-614	J - I	2576	-646
K - J	3726	-920			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - M	641	-2548	E - J	273	-618
B - L	2600	-614	F - I	600	-1840
C - K	1579	-404	I - G	3360	-832
K - D	307	-673	G - H	715	-2625
J - F	1523	-362			

Lumber

Top chord 2x6 SP #2 :T1 2x4 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W2, W10 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.54 to 64 plf at 5.46
TC: From 32 plf at 5.46 to 32 plf at 26.08
BC: From 5 plf at -1.54 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 5.49
BC: From 10 plf at 5.49 to 10 plf at 26.08
TC: 249 lb Conc. Load at 5.49
TC: 200 lb Conc. Load at 7.52, 9.52,11.52,13.52 15.52,17.52,19.52,21.52,23.52,25.52
BC: 377 lb Conc. Load at 5.49
BC: 134 lb Conc. Load at 7.52, 9.52,11.52,13.52 15.52,17.52,19.52,21.52,23.52,25.52

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 5-2-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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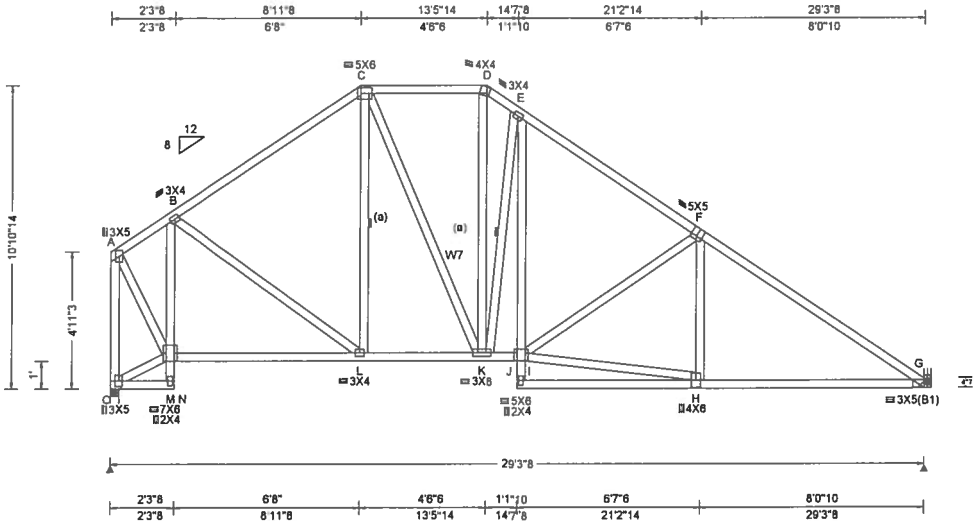
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 620104 / SPEC FROM:	Ply: 1 Qty: 5	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** C01	Cust: R R215 JRef: 1WPc2150009 T35 / DrwNo: 287.19.1634.08352 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.64 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.066	I	999	240
VERT(CL): 0.129	I	999	180
HORZ(LL): 0.037	H	-	-
HORZ(TL): 0.072	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.850
Max BC CSI: 0.802
Max Web CSI: 0.586

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1303	/-	/-	/651	/25	/254
G	1336	/-	/-	/756	/32	/-

Wind reactions based on MWFRS
O Brg Width = 3.5 Min Req = 1.5
G Brg Width = - Min Req = -
Bearing O 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	131	-681	D - E	424	-1262
B - C	326	-1197	E - F	376	-1499
C - D	349	-1017	F - G	381	-1947

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	605	-198	K - I	1135	-56
L - K	893	-48	H - G	1515	-209

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	218	-1279	K - E	271	-820
A - M	1083	-187	E - I	633	-127
M - B	249	-825	I - H	1502	-208
B - L	381	-102	I - F	191	-456
K - D	565	-198			

Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W7 2x4 SP #2:

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

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
Left 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 10-10-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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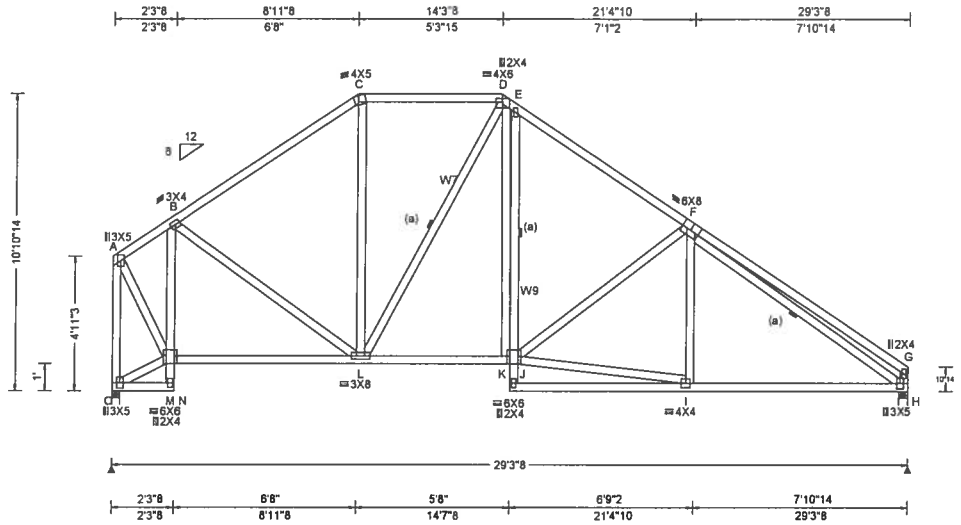
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 620106 / SPEC	Ply: 1	Job Number: 19-3628	Cust: R R215 JRef:1WPc2150009 T55 /
FROM:	Qty: 1	/LOT 21 BLACKBERRY FARMS /Gibraltor Contr.	DrwNo: 287.19.1634.08243
		Truss Label: C03	YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.91 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.051	E	999	240
VERT(CL): 0.107	E	999	180
HORZ(LL): 0.038	G	-	-
HORZ(TL): 0.079	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.800
Max BC CSI: 0.832
Max Web CSI: 0.643

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1231	/-	/-	/652	/29	/244
H	1231	/-	/-	/747	/38	/-

Wind reactions based on MWFRS
O Brg Width = 3.5 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings O & 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.
A - B	138	-643	D - E	461	-1202
B - C	333	-1119	E - F	383	-1338
C - D	327	-832	F - G	214	-399

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	595	-195	I - H	1288	-203
L - J	964	-45			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	232	-1208	J - I	1279	-200
A - M	1022	-197	F - H	174	-1317
M - B	249	-773	G - H	180	-375
D - J	717	-270			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W7, W9 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Left 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 10-10-14.

FERNANDO VIMAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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

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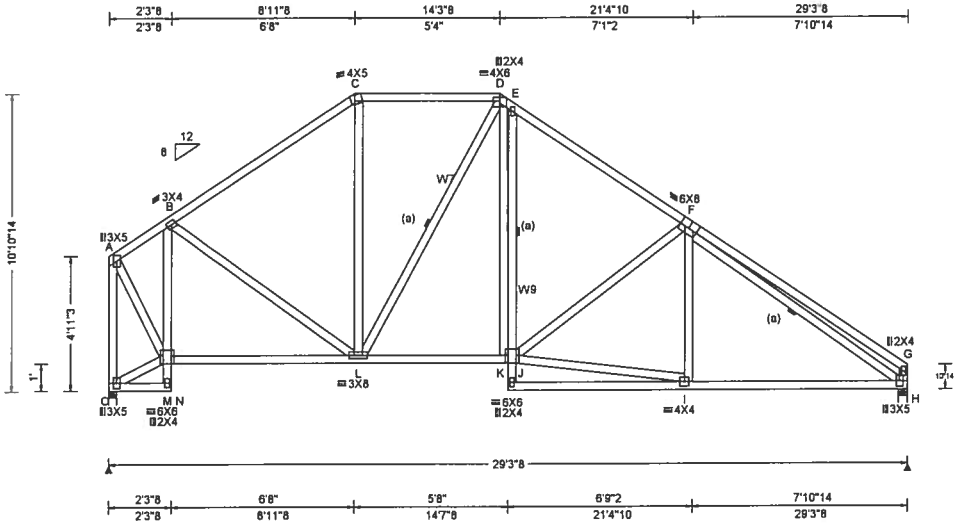
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 620108 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** C04	Cust: R R215 JRef: 1WPc2150009 T62 / DrwNo: 287.19.1634.08398 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.91 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.051	E	999	240
VERT(CL): 0.107	E	999	180
HORZ(LL): 0.038	G	-	-
HORZ(TL): 0.079	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.800
Max BC CSI: 0.832
Max Web CSI: 0.643

VIEW Ver: 18.02.00A.1126.20

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
O	1231	/-	/-	/652	/29	/244
H	1231	/-	/-	/747	/38	/-

Wind reactions based on MWFRS
O Brg Width = 3.5 Min Req = 1.5
H Brg Width = 4.0 Min Req = 1.5
Bearings O & 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.
A - B	138	-643	D - E	461	-1201
B - C	333	-1119	E - F	383	-1338
C - D	327	-832	F - G	214	-399

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	595	-195	I - H	1288	-203
L - J	964	-46			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - O	232	-1208	J - I	1279	-200
A - M	1022	-197	F - H	174	-1317
M - B	249	-773	G - H	180	-375
D - J	716	-270			

Lumber

Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3 :W7, W9 2x4 SP #2:

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

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

Left 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 10-10-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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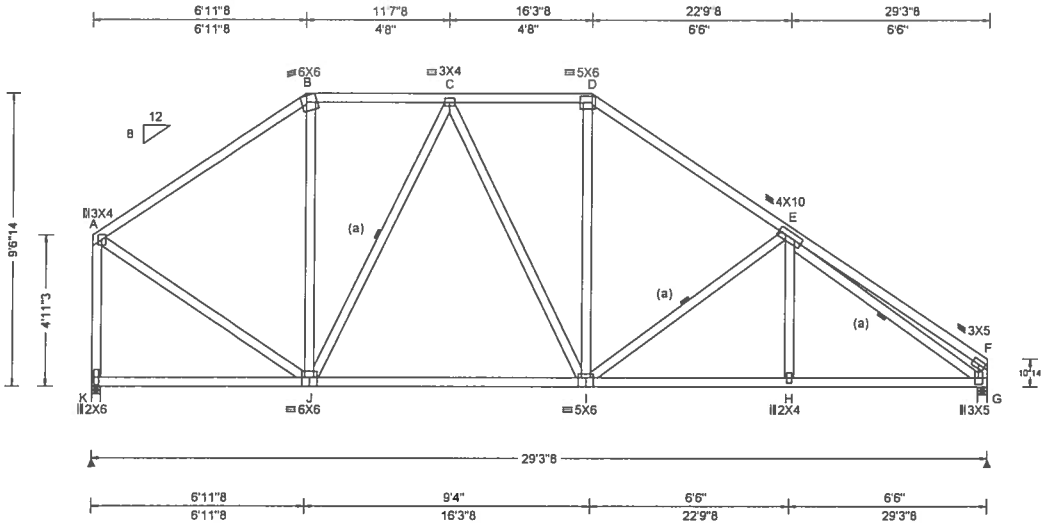
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 567043 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** D01	Cust: R R215 JRef: 1WPc2150009 T73 / DrwNo: 287.19.1634.06885 YK / WHK 10/14/2019



Loading Criteria (psf)

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TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 15.24 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.044	I	999	240
VERT(CL): 0.092	I	999	180
HORZ(LL): 0.028	F	-	-
HORZ(TL): 0.058	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.871
Max BC CSI: 0.823
Max Web CSI: 0.540

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
K	1231	/-	/-	/649	/72	/205
G	1231	/-	/-	/746	/68	/-

Wind reactions based on MWFRS
K Brg Width = 3.5 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings K & 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	293	-1009	C - D	367	-989
B - C	307	-754	D - E	380	-1311

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
J - I	928	-81	H - G	1336	-236
I - H	1338	-235			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - K	314	-1178	I - E	180	-436
A - J	898	-183	E - G	252	-1493
J - C	120	-398			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

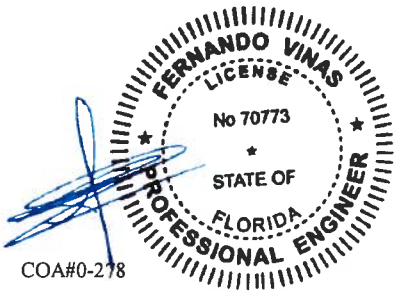
Wind loads based on MWFRS with additional C&C member design.

Left 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 9-6-14.



COA#0-278

10/14/2019

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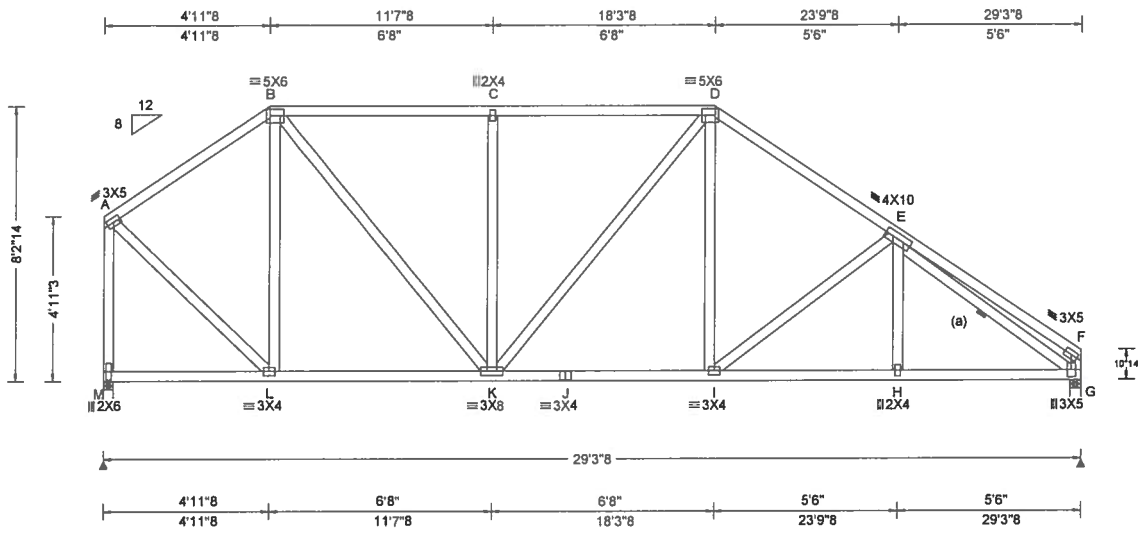
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567045 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** D02	Cust: R R215 JRef: 1WPc2150009 T74 / DrwNo: 287.19.1634.07042 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.048	I	999	240
VERT(CL):	0.100	I	999	180
HORZ(LL):	0.027	F	-	-
HORZ(TL):	0.057	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.508
Max BC CSI: 0.574
Max Web CSI: 0.606

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
M	1231	/-	/-	/638	/221	/168
G	1231	/-	/-	/739	/194	/-

Wind reactions based on MWFRS
M Brg Width = 3.5 Min Req = 1.5
G Brg Width = 4.0 Min Req = 1.5
Bearings M & 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	260	-875	C - D	381	-1128
B - C	381	-1128	D - E	400	-1418

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
L - K	670	-74	I - H	1347	-254
K - J	1095	-144	H - G	1345	-254
J - I	1095	-144			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - M	323	-1195	C - K	167	-448
A - L	915	-209	D - I	386	-65
B - L	163	-495	E - G	289	-1561
B - K	711	-179			

Lumber

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

Bracing

(a) Continuous lateral restraint equally spaced on member.

Wind

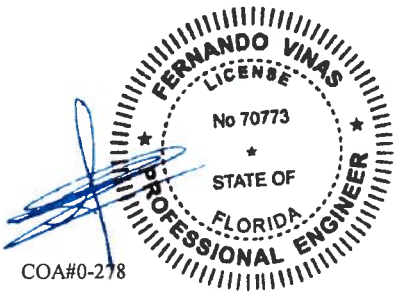
Wind loads based on MWFRS with additional C&C member design.

Left 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 8-2-14.



COA#0-278

10/14/2019

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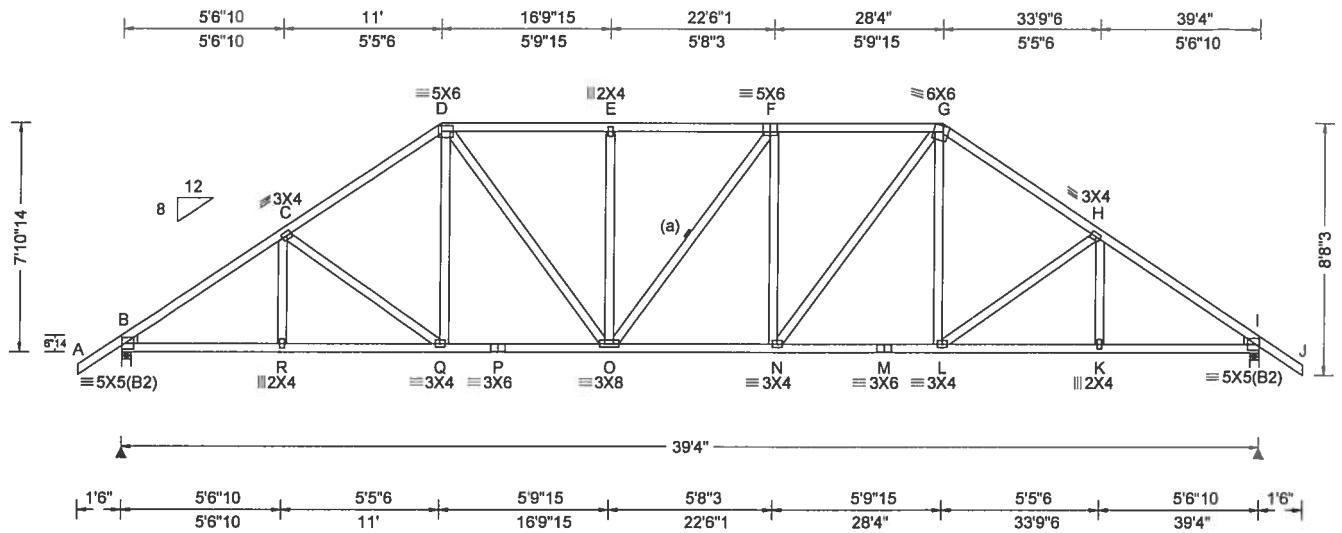
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567051 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** D03	Cust: R R215 JRef: 1WPc2150009 T32 / DrwNo: 287.19.1634.07384 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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: 3.93 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.137	E	999	240
VERT(CL):	0.284	E	999	180
HORZ(LL):	0.059	K	-	-
HORZ(TL):	0.121	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.723
Max BC CSI: 0.456
Max Web CSI: 0.405

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1756	/-	/-	/1052	/304	/269
I	1756	/-	/-	/1052	/304	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	579	-2478	F - G	624	-2085
C - D	592	-2173	G - H	593	-2173
D - E	627	-2096	H - I	578	-2478
E - F	627	-2095			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	1958	-353	N - M	1732	-273
R - Q	1957	-353	M - L	1732	-273
Q - P	1732	-263	L - K	1957	-379
P - O	1732	-263	K - I	1958	-379
O - N	2098	-359			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - O	597	-157	N - G	588	-153

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

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

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 7-10-14.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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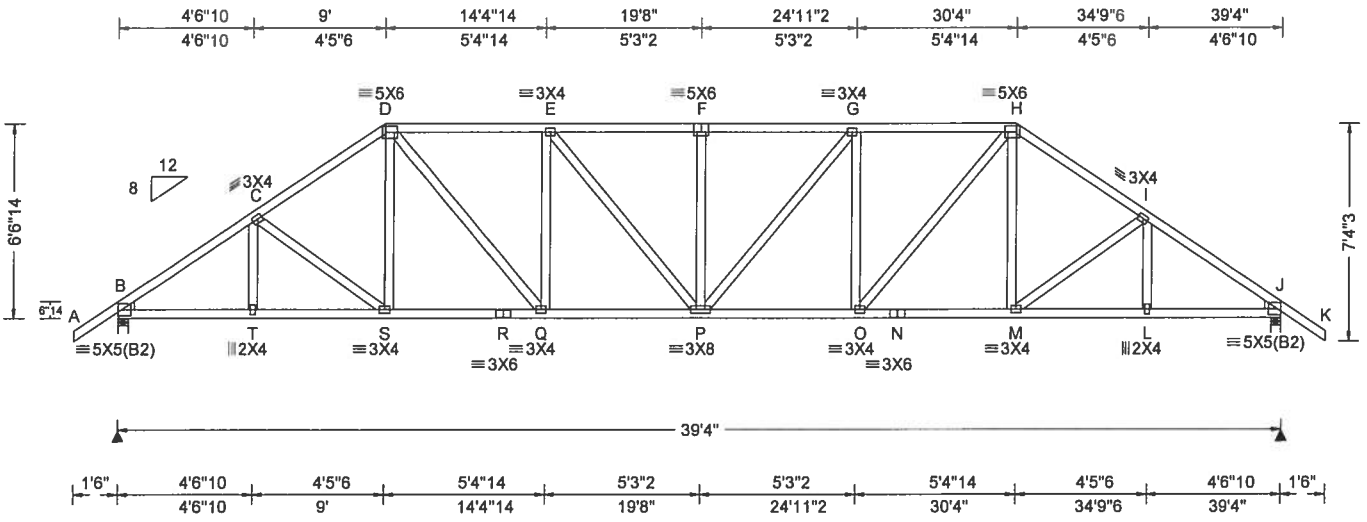
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567049 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** D04	Cust: R R215 JRef: 1WPc2150009 T31 / DrwNo: 287.19.1634.07994 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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: 3.93 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.165	F	999	240
VERT(CL): 0.343	F	999	180
HORZ(LL): 0.060	L	-	-
HORZ(TL): 0.124	L	-	-

Creep Factor: 2.0
Max TC CSI: 0.700
Max BC CSI: 0.464
Max Web CSI: 0.429

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1756	/-	/-	/1033	/308	/230
J	1756	/-	/-	/1033	/308	/-

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

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	591	-2464	F - G	733	-2585
C - D	613	-2272	G - H	686	-2389
D - E	686	-2389	H - I	613	-2272
E - F	733	-2585	I - J	590	-2464

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - T	1950	-369	P - O	2414	-464
T - S	1950	-370	O - N	1835	-324
S - R	1835	-315	N - M	1835	-324
R - Q	1835	-315	M - L	1950	-399
Q - P	2414	-466	L - J	1950	-398

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - Q	860	-220	G - O	188	-558
Q - E	188	-558	O - H	860	-220

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

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 6-6-14.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER
COA#0-278
10/14/2019

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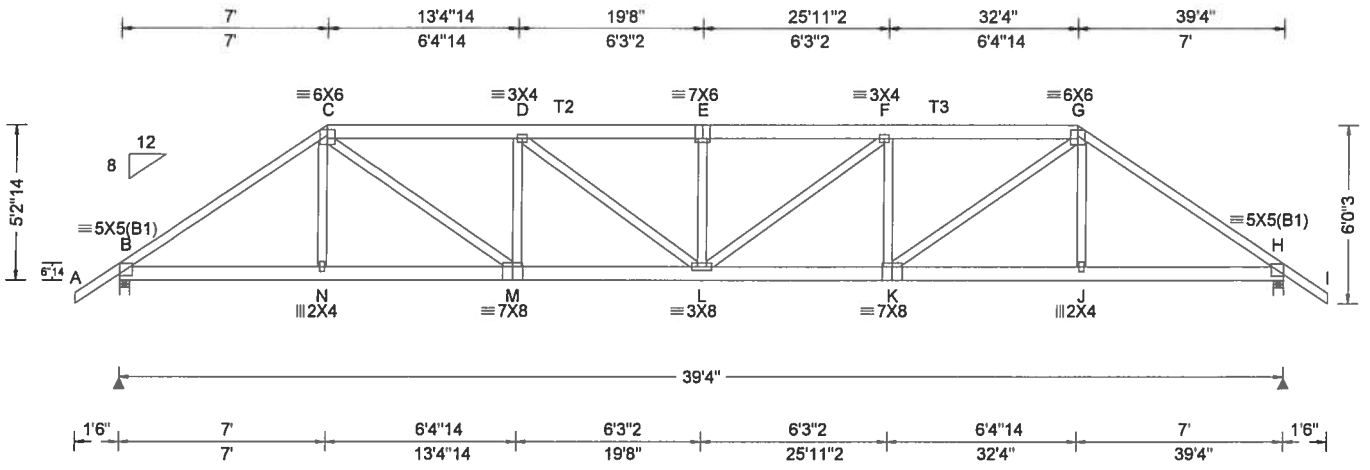
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 567053 / HIPS FROM:	Ply: 2 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** D05	Cust: R R215 JRef: 1WPc2150009 T27 / DrwNo: 287.19.1634.06856 YK / WHK 10/14/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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: 3.93 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.229	E	999	240
VERT(CL): 0.462	E	999	180
HORZ(LL): 0.070	J	-	-
HORZ(TL): 0.142	J	-	-

Creep Factor: 2.0
Max TC CSI: 0.374
Max BC CSI: 0.937
Max Web CSI: 0.685

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	4016	/-	/-	/-	/990	/-
H	4016	/-	/-	/-	/990	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 2.4
H Brg Width = 4.0 Min Req = 2.4
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	785	-3155	E - F	1113	-4459
C - D	994	-3986	F - G	994	-3986
D - E	1113	-4459	G - H	785	-3155

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	2566	-632	L - K	4034	-1011
N - M	2558	-632	K - J	2558	-632
M - L	4034	-1011	J - H	2566	-632

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	1799	-455	L - F	539	-130
M - D	285	-804	F - K	285	-804
D - L	539	-130	K - G	1799	-455
E - L	185	-416			

Lumber

Top chord 2x4 SP M-31 :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Nailnote

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

Special Loads

-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 7.00
TC: From 32 plf at 7.00 to 32 plf at 32.33
TC: From 64 plf at 32.33 to 64 plf at 40.83
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 20 plf at 0.00 to 20 plf at 7.03
BC: From 10 plf at 7.03 to 10 plf at 32.30
BC: From 20 plf at 32.30 to 20 plf at 39.33
BC: From 5 plf at 39.33 to 5 plf at 40.83
TC: 299 lb Conc. Load at 7.03,32.30
TC: 200 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.27,22.27,24.27,26.27,28.27,30.27
BC: 486 lb Conc. Load at 7.03,32.30
BC: 134 lb Conc. Load at 9.06,11.06,13.06,15.06 17.06,19.06,20.27,22.27,24.27,26.27,28.27,30.27

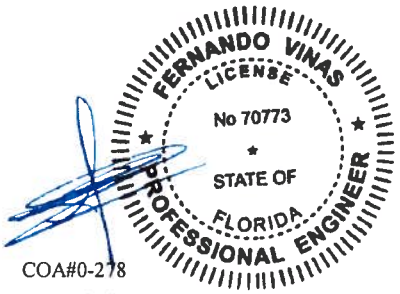
Wind

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 5-2-14.



COA#0-278

10/14/2019

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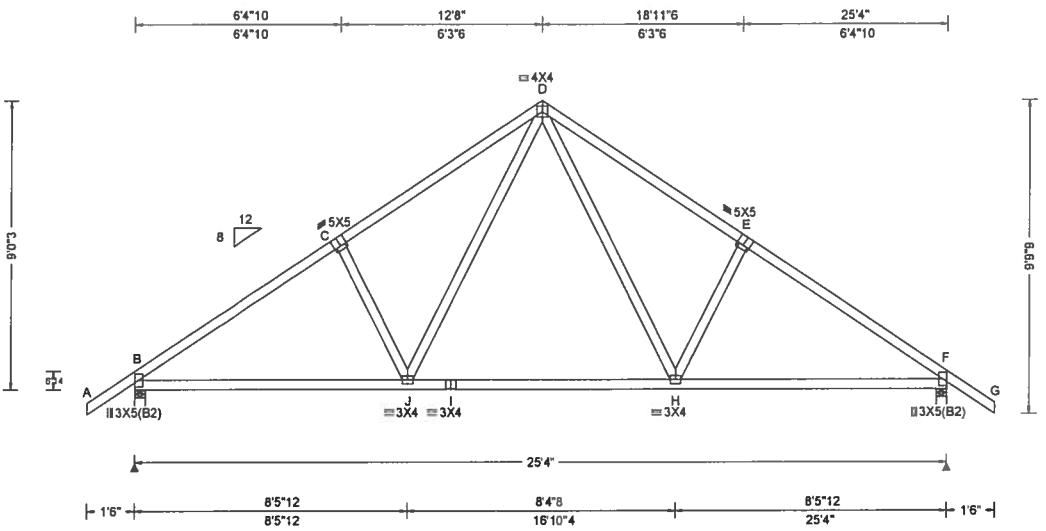
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 567063 / COMN FROM:	Ply: 1 Qty: 6	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** G01	Cust: R R215 JRef: 1WPc2150009 T5 / DrwNo: 287.19.1634.06963 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.071	H	999	240
VERT(CL): 0.137	H	999	180
HORZ(LL): 0.038	H	-	-
HORZ(TL): 0.072	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.818
Max Web CSI: 0.354

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1259	/-	/-	/715	/192	/287
F	1260	/-	/-	/715	/192	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
F Brg Width = 4.0 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	407	-1660	D - E	479	-1481
C - D	480	-1480	E - F	406	-1661

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	1279	-200	I - H	876	-38
J - I	876	-38	H - F	1280	-207

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
J - D	610	-197	D - H	612	-196

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 9-0-3.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER
COA#0-278
10/14/2019

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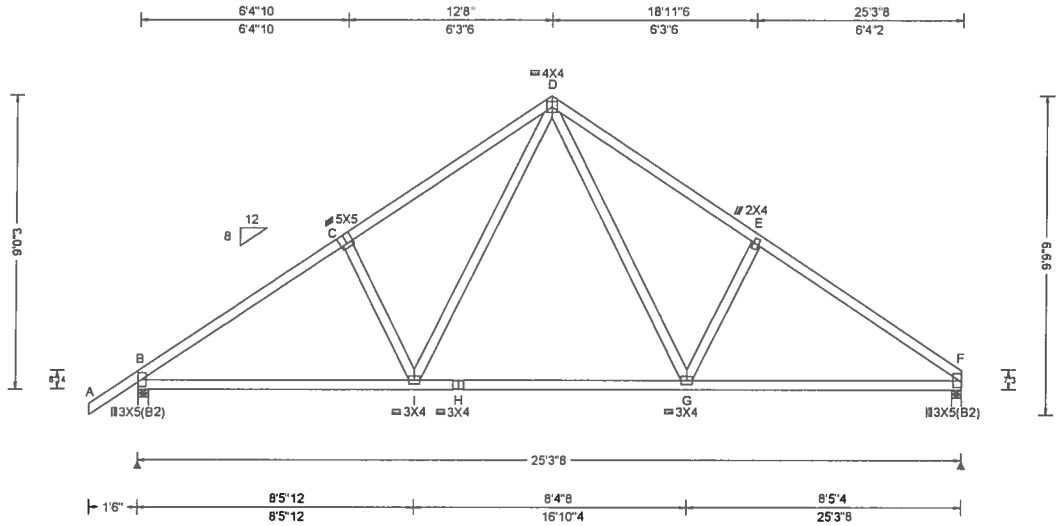
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; TPI: www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

SEQN: 567065 / COMN FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** G02	Cust: R R215 JRef: 1WPc2150009 T43 / DrwNo: 287.19.1634.07650 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.070 I	999	240
VERT(CL):	0.135 I	999	180
HORZ(LL):	0.036 G	-	-
HORZ(TL):	0.069 G	-	-

Creep Factor: 2.0
Max TC CSI: 0.591
Max BC CSI: 0.815
Max Web CSI: 0.272

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1261	/-	/-	/715	/13	/267
F	1151	/-	/-	/622	/6	/-

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	300	- 1664	D - E	384	- 1494
C - D	366	- 1484	E - F	318	- 1671

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1283	- 173	H - G	879	- 33
I - H	879	- 33	G - F	1294	- 178

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	610	- 143	D - G	625	- 151

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 9-0-3.

Note: Truss not designed to be installed in reverse orientation. Truss must be installed as shown.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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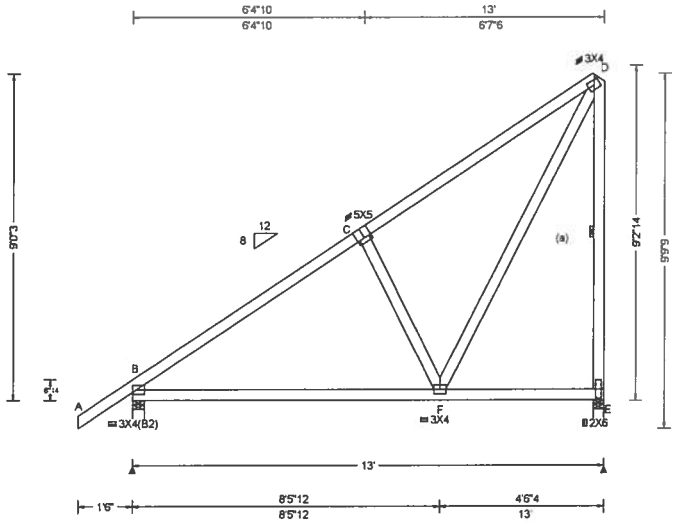
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567067 / COMN FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** G03	Cust: R R215 JRef: 1WPc2150009 T3 / DrwNo: 287.19.1634.06826 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.013 C	999	240
VERT(CL):	0.026 C	999	180
HORZ(LL):	0.006 C	-	-
HORZ(TL):	0.011 C	-	-

Creep Factor: 2.0
Max TC CSI: 0.741
Max BC CSI: 0.617
Max Web CSI: 0.358

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	668	/-	/-	/456	/-	/180
E	616	/-	/-	/394	/77	/-

Wind reactions based on MWFRS
B Brg Width = 4.0 Min Req = 1.5
E Brg Width = 3.5 Min Req = 1.5
Bearings B & E are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	0	-648	C - D	55	-472

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
B - F	458	-191

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - F	225	-394	D - E	223	-517
F - D	615	-199			

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

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

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

Wind
Wind loads based on MWFRS with additional C&C member design.
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 9-0-3.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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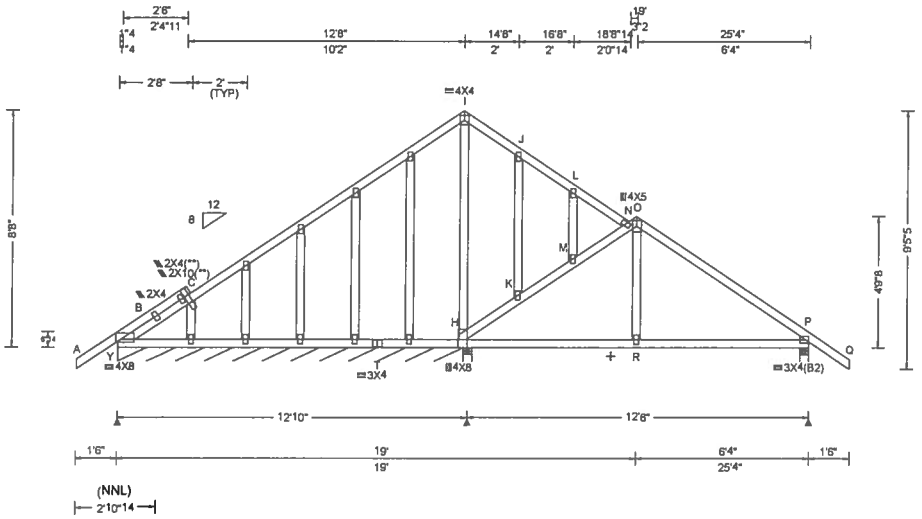
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 567076 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** G04	Cust: R R215 JRef: 1WPc2150009 T9 / DrwNo: 287.19.1634.07744 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.039	J	999	240
VERT(CL):	0.081	J	999	180
HORZ(LL):	0.028	K	-	-
HORZ(TL):	0.058	K	-	-

Creep Factor: 2.0
Max TC CSI: 0.387
Max BC CSI: 0.435
Max Web CSI: 0.317

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
Y*	124	/-	/-	/63	/25	/23
H	361	/-	/-	/253	/-	/-
P	589	/-	/-	/419	/109	/-

Wind reactions based on MWFRS
Y Brg Width = 152 Min Req = -
H Brg Width = 4.0 Min Req = 1.5
P Brg Width = 4.0 Min Req = 1.5
Bearings Y, H, & P are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
H - K	264	-560	M - N	192	-444
K - M	234	-508	O - P	164	-525

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
H - R	691	-13

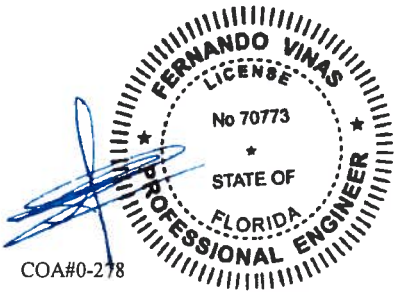
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

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

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

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 8-8-0.
+ Member to be laterally braced for out of plane wind loads



COA#0-278
10/14/2019

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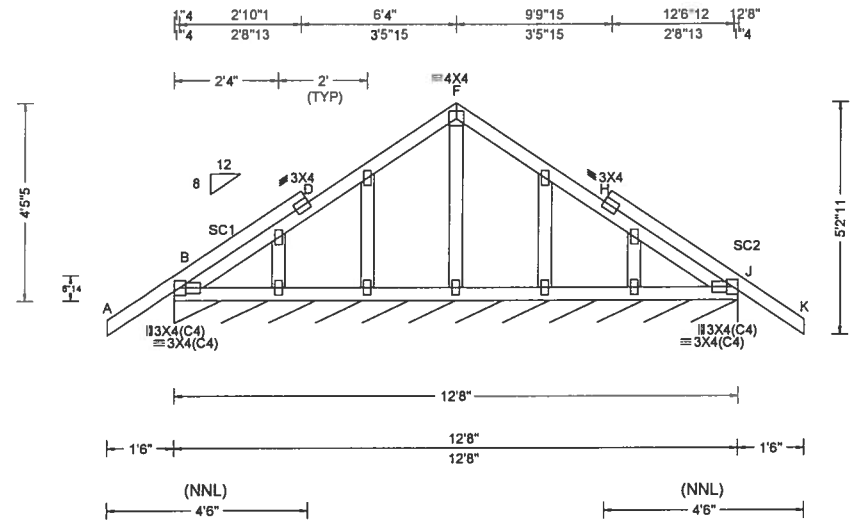
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567071 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** H01	Cust: R R215 JRef: 1WPc2150009 T1 / DrwNo: 287.19.1634.07370 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	D	999	240
VERT(CL): 0.003	D	999	180
HORZ(LL): -0.002	D	-	-
HORZ(TL): 0.002	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.218
Max BC CSI: 0.065
Max Web CSI: 0.047

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
J*	100	/-	/-	/53	/16	/13

Wind reactions based on MWFRS
J Brg Width = 152 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

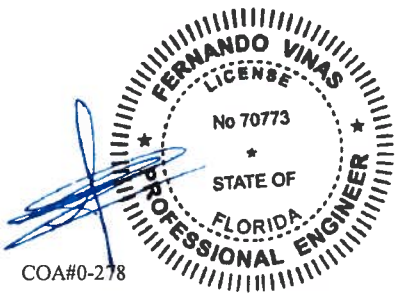
Additional Notes

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 4-5-5.



COA#0-278

10/14/2019

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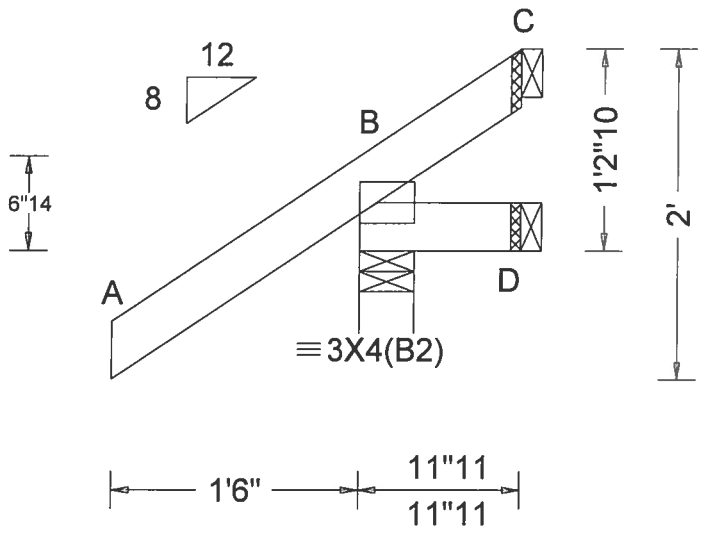
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566914 / JACK FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J01	Cust: R R215 JRef: 1WPc2150009 T34 / DrwNo: 287.19.1634.07760 YK / WHK 10/14/2019



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
TCLL: 20.00	Wind Std: ASCE 7-10	Pg: NA Ct: NA CAT: NA	PP Deflection in loc L/defl L/#
TCDL: 10.00	Speed: 130 mph	Pf: NA Ce: NA	VERT(LL): NA
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(CL): NA
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): -0.001 C - -
Des Ld: 40.00	EXP: C Kzt: NA		HORZ(TL): 0.002 C - -
NCBCLL: 10.00	Mean Height: 15.00 ft	**Code / Misc Criteria**	Creep Factor: 2.0
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2017 RES	Max TC CSI: 0.187
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2014	Max BC CSI: 0.029
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Fac: Yes	Max Web CSI: 0.000
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: Any	Plate Type(s):	VIEW Ver: 17.02.00.1013.16
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	237	/-	/-	/200	/57	/47
D	12	/-6	/-	/15	/9	/-
C	-	/-46	/-	/29	/53	/-

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 1-2-10.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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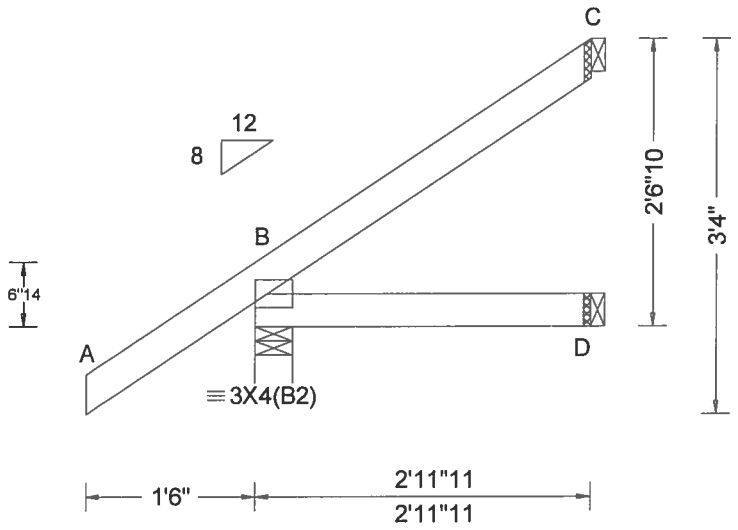
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566921 / JACK FROM:	Ply: 1 Qty: 5	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J02	Cust: R R215 JRef: 1WPc2150009 T19 / DrwNo: 287.19.1634.07557 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): -0.001 C - -
HORZ(TL): 0.001 D - -
Creep Factor: 2.0
Max TC CSI: 0.191
Max BC CSI: 0.090
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	259	/-	/-	/197	/30	/84
D	54	/-	/-	/40	/-	/-
C	69	/-	/-	/33	/36	/-

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 2-6-10.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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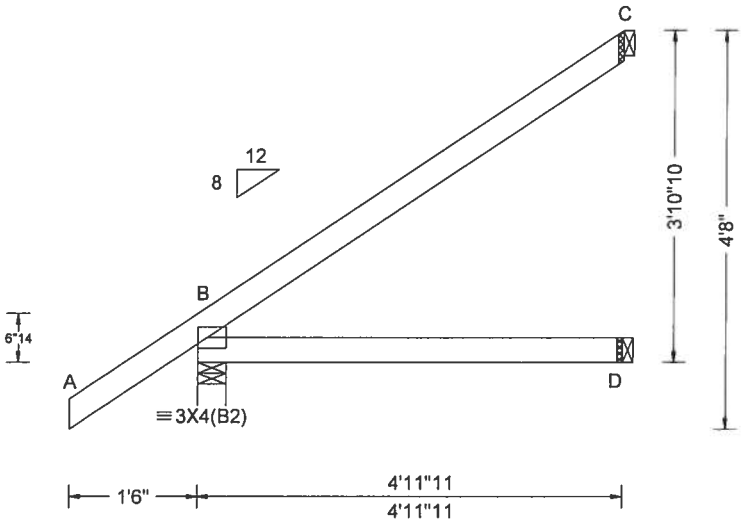
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566939 / JACK FROM:	Ply: 1 Qty: 5	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J03	Cust: R R215 JRef: 1WPc2150009 T13 / DrwNo: 287.19.1634.07306 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.003	D	-	-
HORZ(TL): 0.007	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.360
Max BC CSI: 0.275
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	331	/-	/-	/242	/27	/122
D	94	/-	/-	/65	/-	/-
C	137	/-	/-	/77	/65	/-

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 3-10-10.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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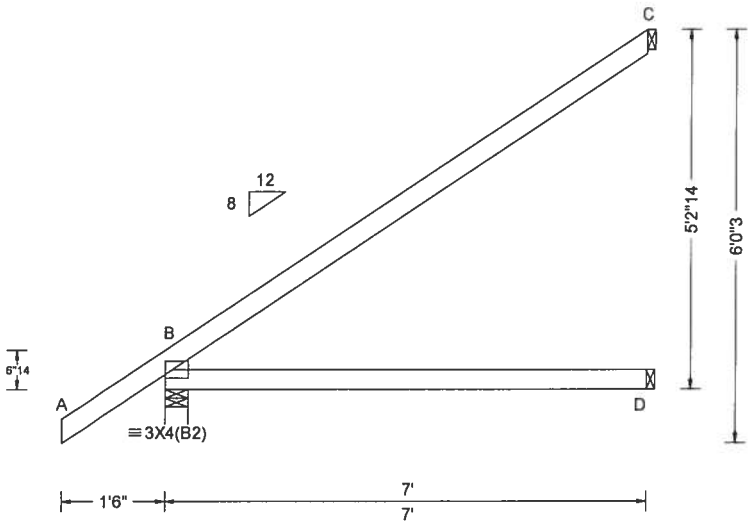
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566907 / EJAC FROM:	Ply: 1 Qty: 25	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J04	Cust: R R215 JRef: 1WPc2150009 T16 / DrwNo: 287.19.1634.07275 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.012	D	-	-
HORZ(TL): 0.025	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.812
Max BC CSI: 0.557
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	412	/-	/-	/293	/26	/161
D	134	/-	/-	/94	/-	/-
C	200	/-	/-	/116	/92	/-

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 5-2-14.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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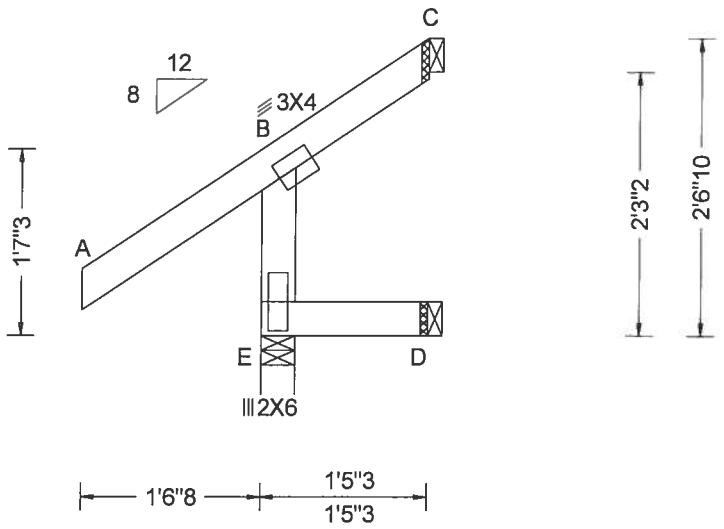
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 567078 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J05	Cust: R R215 JRef: 1WPc2150009 T8 / DrwNo: 287.19.1634.07198 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.198
Max BC CSI: 0.022
Max Web CSI: 0.076

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

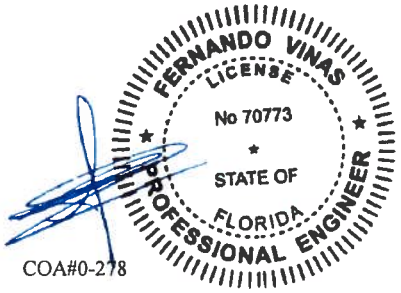
	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	223	/-	/-	/216	/83	/-
D	29	/-	/-	/19	/-	/-
C	-	/-11	/-	/53	/61	/56

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E 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
The overall height of this truss excluding overhang is 2-6-10.
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
10/14/2019

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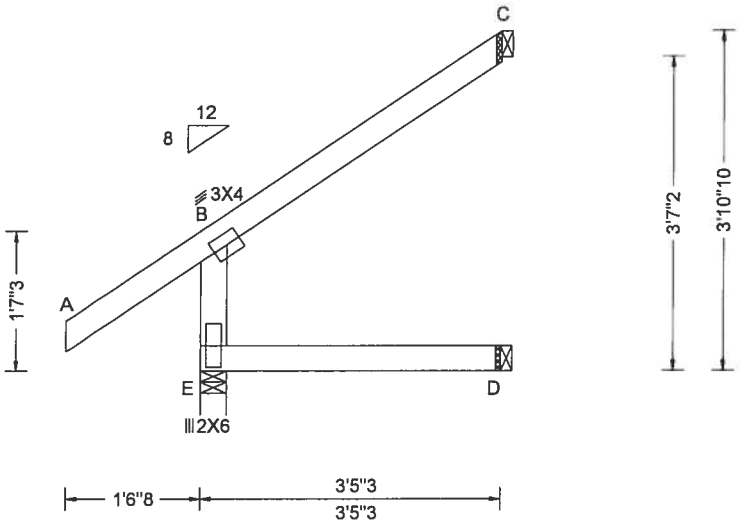
For more information see this job's general notes page and these web sites. ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 567080 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J06	Cust: R R215 JRef: 1WPc2150009 T12 / DrwNo: 287.19.1634.08133 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.215
Max BC CSI: 0.146
Max Web CSI: 0.078

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
E	274	/-	/-	/246	/97	/-
D	69	/-	/-	/46	/-	/-
C	86	/-	/-	/63	/14	/94

Wind reactions based on MWFRS
E Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing E is a rigid surface.
Members not listed have forces less than 375#

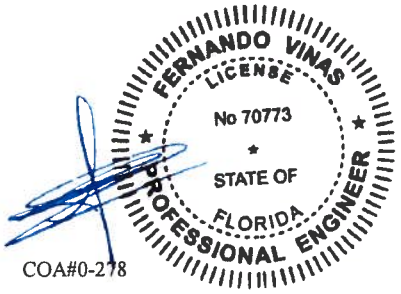
Lumber
Top chord 2x4 SP #2
Bot chord 2x4 SP #2
Webs 2x4 SP #3

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

Additional Notes
Refer to General Notes for additional information

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

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

10/14/2019

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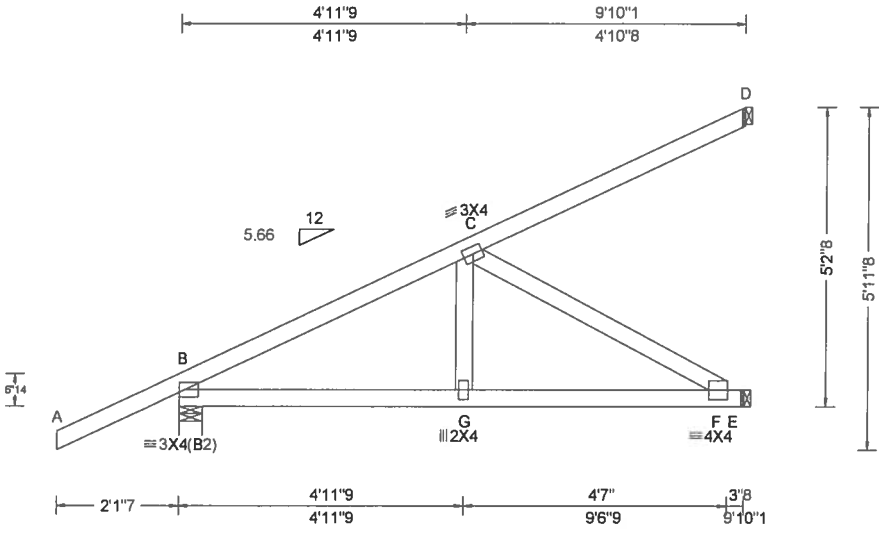
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566993 / HIP_ FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J07	Cust: R R215 JRef: 1WPc2150009 T28 / DrwNo: 287.19.1634.07604 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.025	G	999	240
VERT(CL): 0.049	G	999	180
HORZ(LL): -0.008	D	-	-
HORZ(TL): 0.016	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.738
Max BC CSI: 0.729
Max Web CSI: 0.334

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	370	/-	/-	/-	/191	/-
E	352	/-	/-	/-	/84	/-
D	99	/-	/-	/-	/31	/-

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.
B - C	213	-577

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	524	-163	G - F	516	-163

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	189	-598

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	-2.12 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	9.84
BC: From	0 plf at	-2.12 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	9.84

TC: -40 lb Conc. Load at 1.44
TC: 137 lb Conc. Load at 4.27
TC: 274 lb Conc. Load at 7.10
BC: 24 lb Conc. Load at 1.44
BC: 109 lb Conc. Load at 4.27
BC: 189 lb Conc. Load at 7.10

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 5-2-8.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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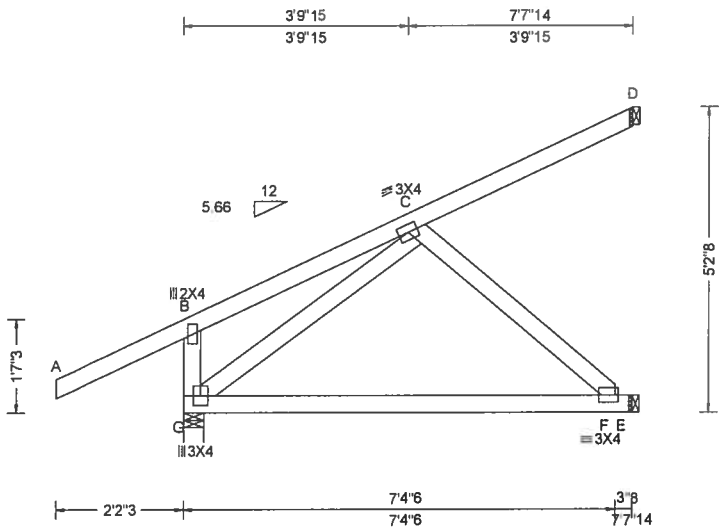
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567082 / HIP_ FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J08	Cust: R R215 JRef: 1WPc2150009 T4 / DrwNo: 287.19.1634.07057 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.022	F	999	240
VERT(CL):	0.044	F	999	180
HORZ(LL):	0.009	C	-	-
HORZ(TL):	0.019	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.346
Max BC CSI: 0.418
Max Web CSI: 0.199

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

		Gravity			Non-Gravity	
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
G	343	/-	/-	/-	/109	/-
E	243	/-	/-	/-	/46	/-
D	49	/-	/-	/-	/5	/-

Wind reactions based on MWFRS
G Brg Width = 4.2 Min Req = 1.5
E Brg Width = 1.5 Min Req = -
D Brg Width = 1.5 Min Req = -
Bearing G is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Special Loads

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

TC: From	0 plf at	-2.18 to	62 plf at	0.00
TC: From	2 plf at	0.00 to	2 plf at	7.66
BC: From	0 plf at	-2.18 to	4 plf at	0.00
BC: From	2 plf at	0.00 to	2 plf at	7.66

TC: -7 lb Conc. Load at 2.03
TC: 69 lb Conc. Load at 2.03
TC: 223 lb Conc. Load at 4.85
BC: 83 lb Conc. Load at 2.03
BC: 163 lb Conc. Load at 4.85

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 5-2-8.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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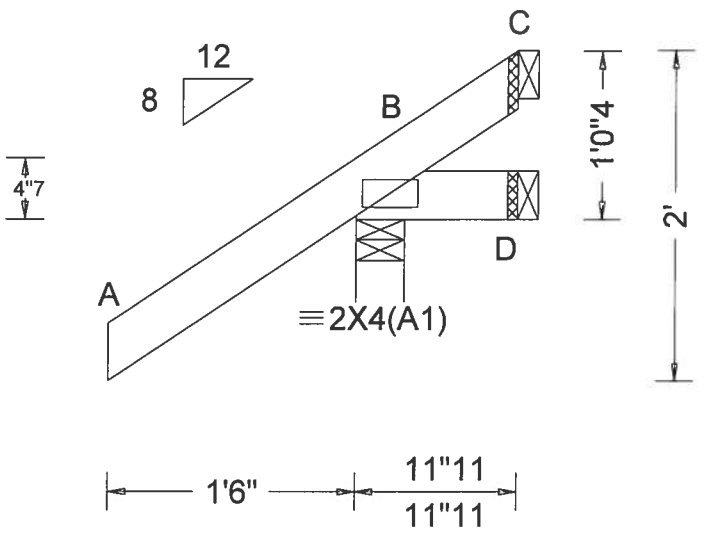
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566917 / JACK FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J09	Cust: R R215 JRef: 1WPc2150009 T49 / DrwNo: 287.19.1634.07072 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

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: 0.187
Max BC CSI: 0.025
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	263	/-	/-	/228	/68	/46
D	4	/-17	/-	/17	/20	/-
C	-	/-61	/-	/37	/69	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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

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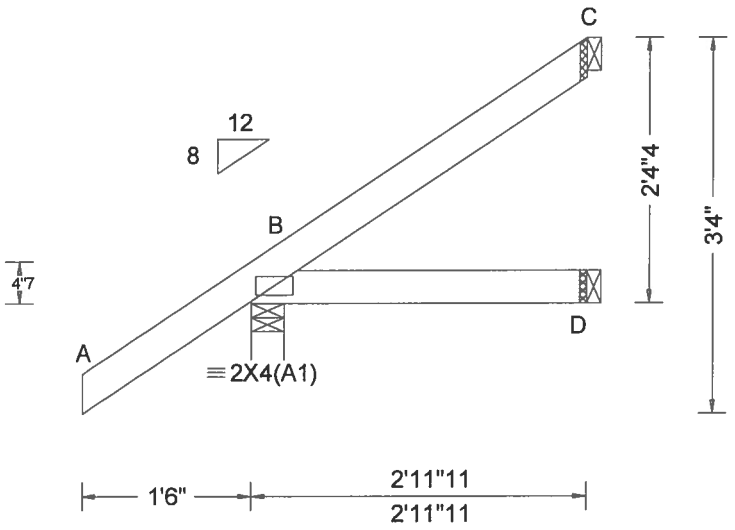
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 566909 / JACK FROM:	Ply: 1 Qty: 3	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J10	Cust: R R215 JRef: 1WPc2150009 T51 / DrwNo: 287.19.1634.07166 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.191
Max BC CSI: 0.073
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	267	/-	/-	/205	/35	/84
D	50	/-	/-	/39	/2	/-
C	63	/-	/-	/30	/30	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

Refer to General Notes for additional information

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

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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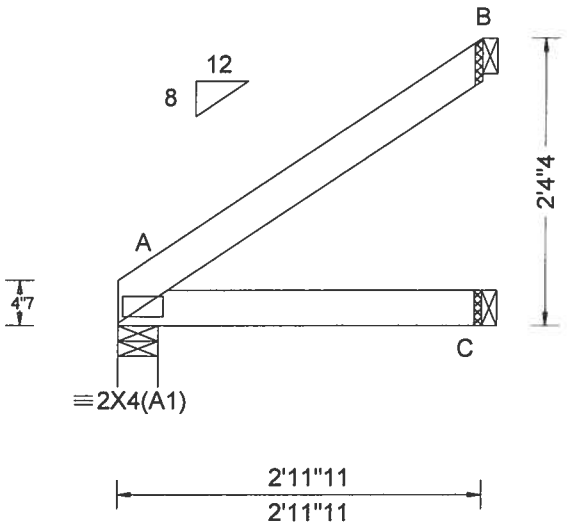
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566957 / JACK FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J11	Cust: R R215 JRef: 1WPc2150009 T48 / DrwNo: 287.19.1634.07043 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.001	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.119
Max BC CSI: 0.090
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	131	/-	/-	/85	/-	/55
C	55	/-	/-	/40	/1	/-
B	83	/-	/-	/50	/38	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 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

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 2-4-4.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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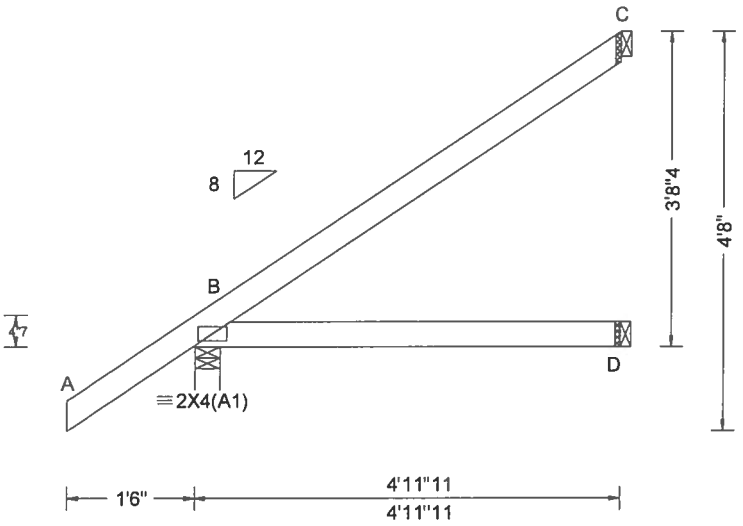
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566941 / JACK FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J12	Cust: R R215 JRef: 1WPc2150009 T50 / DrwNo: 287.19.1634.07619 YK / WHK 10/14/2019



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TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.004 D - -
HORZ(TL): 0.007 D - -
Creep Factor: 2.0
Max TC CSI: 0.323
Max BC CSI: 0.252
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	338	/-	/-	/248	/31	/123
D	90	/-	/-	/64	/-	/-
C	131	/-	/-	/74	/59	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Refer to General Notes for additional information
The overall height of this truss excluding overhang is 3-8-4.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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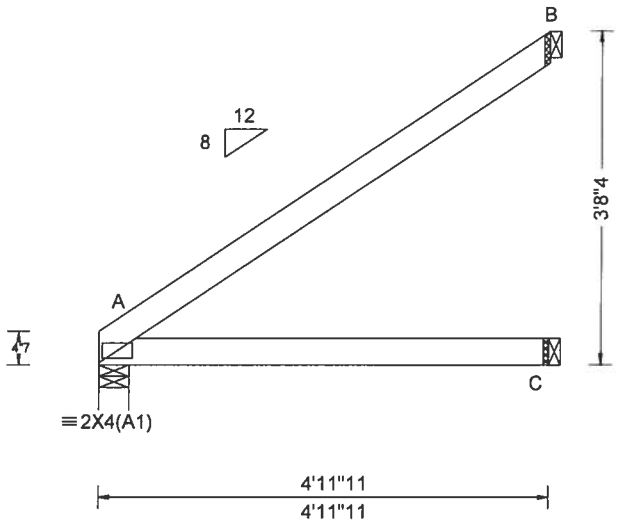
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566945 / JACK FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J13	Cust: R R215 JRef: 1WPc2150009 T47 / DrwNo: 287.19.1634.06824 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): NA			
VERT(CL): NA			
HORZ(LL): 0.006	C	-	-
HORZ(TL): 0.012	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.378
Max BC CSI: 0.272
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	215	/-	/-	/141	/-	/93
C	94	/-	/-	/69	/2	/-
B	141	/-	/-	/85	/63	/-

Wind reactions based on MWFRS
A Brg Width = 4.0 Min Req = 1.5
C Brg Width = 1.5 Min Req = -
B Brg Width = 1.5 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

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 3-8-4.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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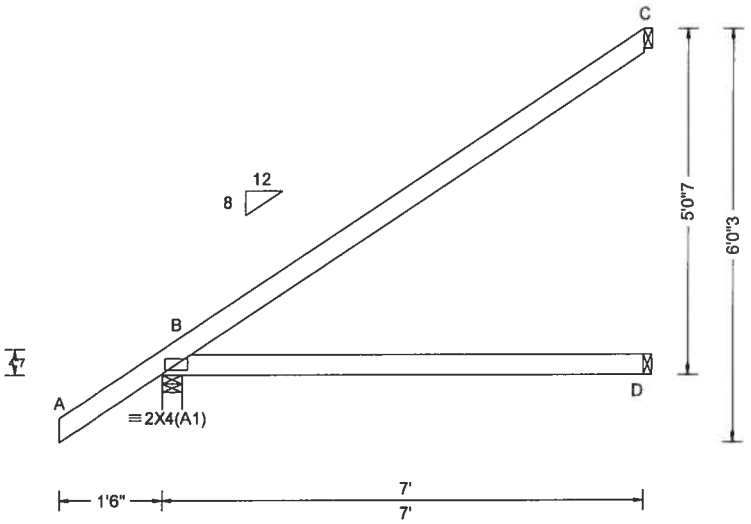
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566929 / EJAC FROM:	Ply: 1 Qty: 4	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J14	Cust: R R215 JRef: 1WPc2150009 T53 / DrwNo: 287.19.1634.07712 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(CL): NA
HORZ(LL): 0.013 D - -
HORZ(TL): 0.027 D - -
Creep Factor: 2.0
Max TC CSI: 0.747
Max BC CSI: 0.527
Max Web CSI: 0.000

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

Loc	Gravity R+	Gravity / R-	Gravity / Rh	Non-Gravity / Rw	Non-Gravity / U	Non-Gravity / RL
B	417	/-	/-	/298	/29	/161
D	131	/-	/-	/92	/1	/-
C	193	/-	/-	/113	/86	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
D Brg Width = 1.5 Min Req = -
C Brg Width = 1.5 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Wind

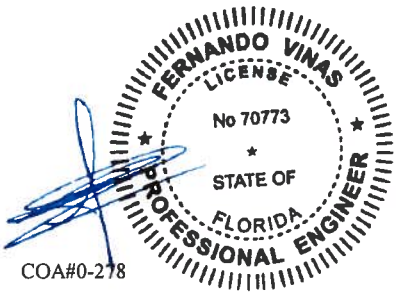
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

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

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

10/14/2019

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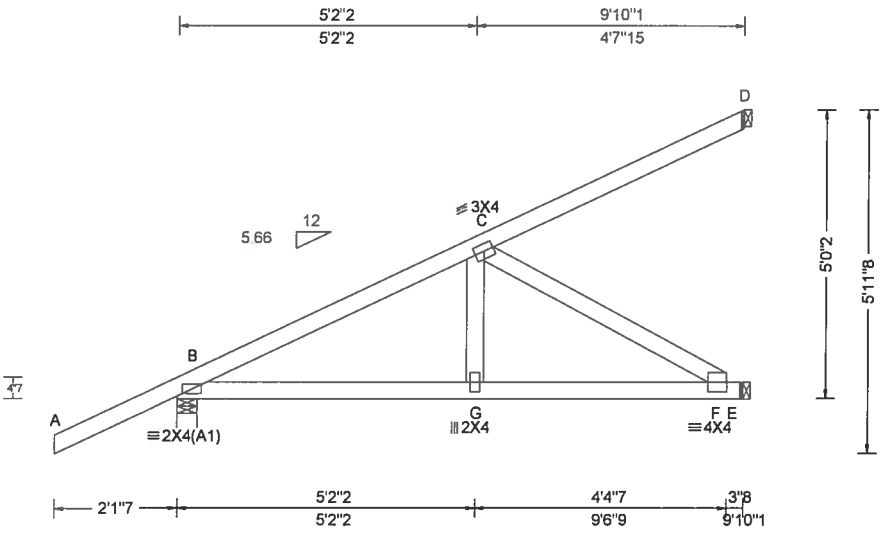
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567084 / HIP_ FROM:	Ply: 1 Qty: 2	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** J15	Cust: R R215 JRef: 1WPc2150009 T25 / DrwNo: 287.19.1634.08026 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.019	G	999	240
VERT(CL): 0.037	G	999	180
HORZ(LL): 0.005	F	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.632
Max BC CSI: 0.664
Max Web CSI: 0.318

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	373	/-	/-	/-	/239	/-
E	355	/-	/-	/-	/97	/-
D	86	/-	/-	/-	/24	/-

Wind reactions based on MWFRS
B Brg Width = 4.2 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.
B - C	254	-590

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	541	-188	G - F	533	-188

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	218	-620

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

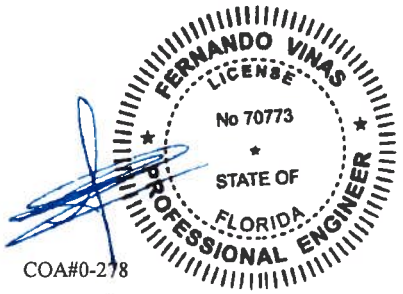
Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 0 plf at -2.12 to 62 plf at 0.00
TC: From 2 plf at 0.00 to 2 plf at 9.84
BC: From 0 plf at -2.12 to 4 plf at 0.00
BC: From 2 plf at 0.00 to 2 plf at 9.84
TC: -51 lb Conc. Load at 1.44
TC: 146 lb Conc. Load at 4.27
TC: 272 lb Conc. Load at 7.10
BC: 8 lb Conc. Load at 1.44
BC: 104 lb Conc. Load at 4.27
BC: 184 lb Conc. Load at 7.10

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 5-0-2.

Provide (2) 16d common 0.162"x3.5", toe-nails at TC.
Provide (3) 16d common 0.162"x3.5", toe-nails at BC.



COA#0-278

10/14/2019

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

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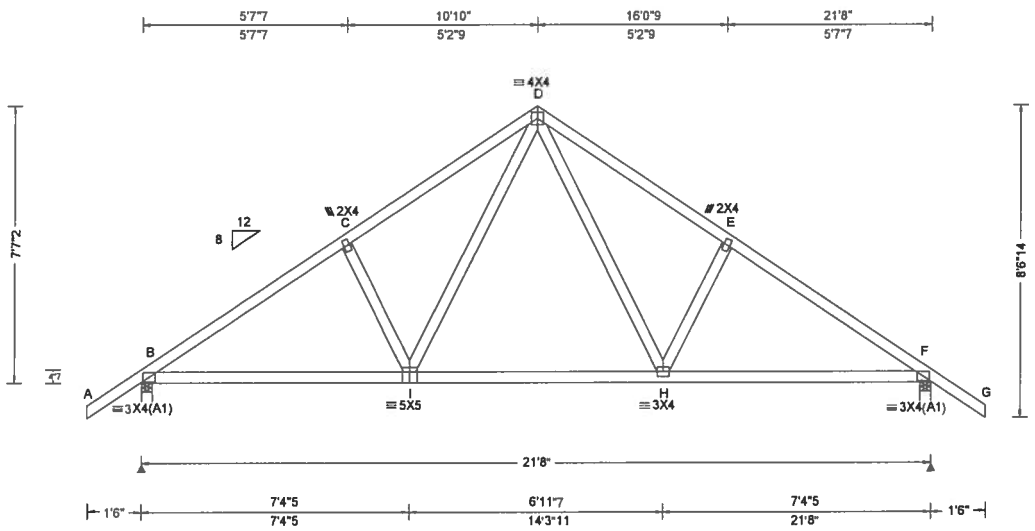
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 566924 / COMN FROM:	Ply: 1 Qty: 3	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** K01	Cust: R R215 JRef: 1WPc2150009 T57 / DrwNo: 287.19.1634.07229 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.040	H	999	240
VERT(CL):	0.078	H	999	180
HORZ(LL):	0.017	H	-	-
HORZ(TL):	0.033	H	-	-

Creep Factor: 2.0
Max TC CSI: 0.304
Max BC CSI: 0.592
Max Web CSI: 0.211

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
B	1075	/-	/-	/627	/167	/254
F	1076	/-	/-	/627	/167	/-

Wind reactions based on MWFRS
B Brg Width = 3.5 Min Req = 1.5
F Brg Width = 3.5 Min Req = 1.5
Bearings B & F are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	342	-1383	D - E	403	-1238
C - D	404	-1236	E - F	342	-1385

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1073	-154	H - F	1074	-163
I - H	729	-40			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	513	-169	D - H	517	-168

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.

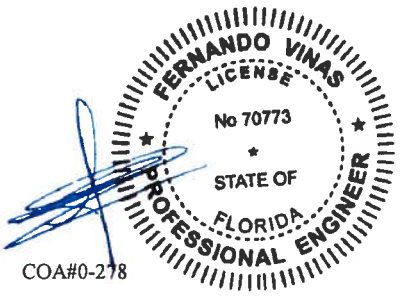
Wind

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 7-7-2.



COA#0-278

10/14/2019

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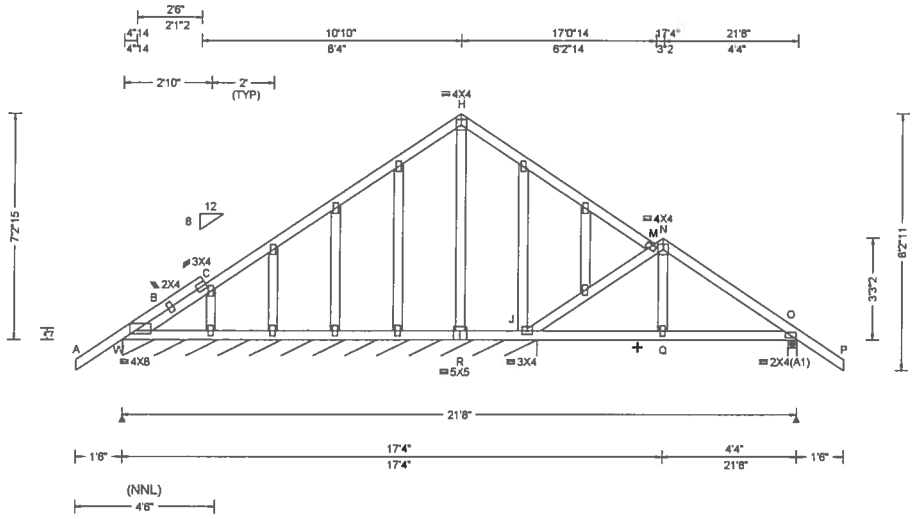
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567088 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** K02	Cust: R R215 JRef: 1WPc2150009 T58 / DrwNo: 287.19.1634.07635 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.011 K	999	240
VERT(CL):	0.022 K	999	180
HORZ(LL):	0.006 L	-	-
HORZ(TL):	0.013 L	-	-

Creep Factor: 2.0
Max TC CSI: 0.406
Max BC CSI: 0.203
Max Web CSI: 0.158

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
W*	120	/-	/-	/69	/19	/19
O	436	/-	/-	/294	/68	/-

Wind reactions based on MWFRS
W Brg Width = 159 Min Req = -
O Brg Width = 3.5 Min Req = 1.5
Bearings W & O are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Loading

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

Wind

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

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 7-2-15.

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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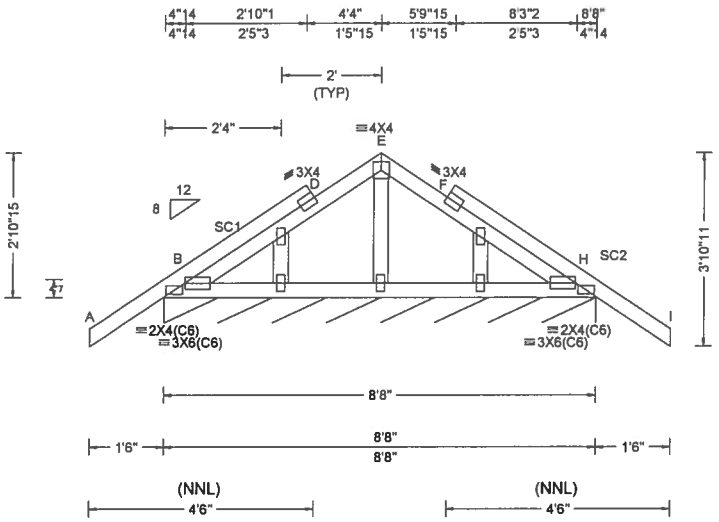
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567086 / GABL FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** L01	Cust: R R215 JRef: 1WPc2150009 T56 / DrwNo: 287.19.1634.07041 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.003	D	999	240
VERT(CL): 0.005	D	999	180
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.003	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.222
Max BC CSI: 0.065
Max Web CSI: 0.041

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
H*	108	/-	/-	/57	/18	/15

Wind reactions based on MWFRS
H Brg Width = 104 Min Req = -
Bearing B is a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

Additional Notes

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 2-10-15.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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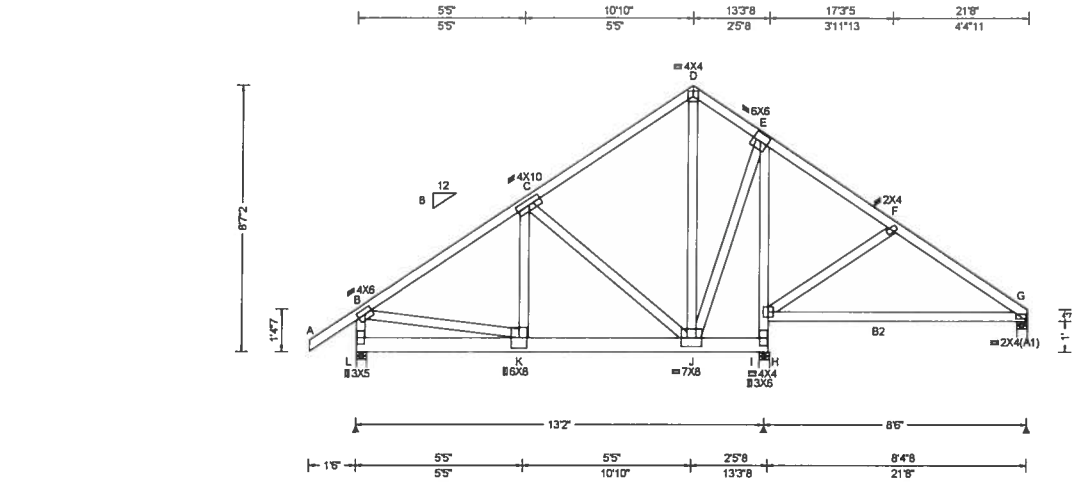
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 620086 / COMN FROM:	Ply: 2 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** N01	Cust: R R215 JRef: 1WPc2150009 T7 / DrwNo: 287.19.1634.08306 YK / WHK 10/14/2019

2 Complete Trusses Required



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
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: NA
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.049	K	999	240
VERT(CL): 0.097	K	999	180
HORZ(LL): 0.009	C	-	-
HORZ(TL): 0.017	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.366
Max BC CSI: 0.656
Max Web CSI: 0.970

VIEW Ver: 18.02.00A.1126.20

▲Maximum Reactions (lbs)

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
L	6742	/-	/-	/-	/250	/-
I	4870	/-	/-	/-	/278	/-
G	375	/-	/-	/-	/69	/-

Wind reactions based on MWFRS
L Brg Width = 4.0 Min Req = 2.8
I Brg Width = 4.0 Min Req = 2.0
G Brg Width = 4.0 Min Req = 1.5
Bearings L, I, & G are a rigid surface.
Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	127	-2564	D - E	44	-789
C - D	57	-828			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
K - J	2006	-90

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	127	-1906	D - J	770	0
B - K	2070	-89	J - E	1919	-80
K - C	1978	-16	E - H	135	-2318
C - J	80	-1797	H - I	142	-2443

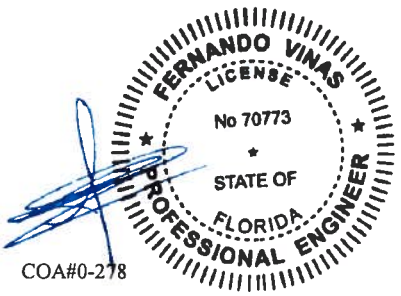
Lumber
Top chord 2x4 SP #2
Bot chord 2x6 SP 2400f-2.0E :B2 2x4 SP #2:
Webs 2x4 SP #3

Nailnote
Nail Schedule:0.128"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads
——(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC: From 64 plf at -1.50 to 64 plf at 21.67
BC: From 5 plf at -1.50 to 5 plf at 0.00
BC: From 10 plf at 0.00 to 10 plf at 13.29
BC: From 20 plf at 13.29 to 20 plf at 21.67
BC: 1807 lb Conc. Load at 0.10, 2.10
BC: 1236 lb Conc. Load at 3.44
BC: 1336 lb Conc. Load at 5.44, 7.44, 9.44,11.44

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 8-7-2.



COA#0-278

10/14/2019

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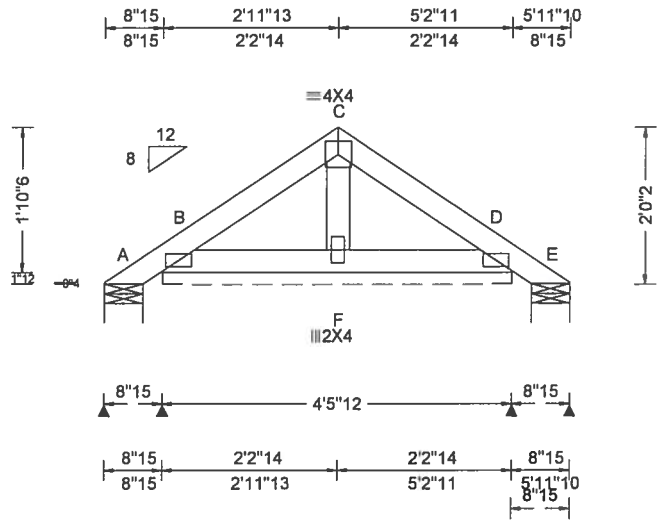
For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com, TPI: www.tpinst.org, SBCA: www.sbcindustry.com, ICC: www.iccsafe.org

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

SEQN: 567098 / COMN FROM:	Ply: 1 Qty: 10	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** P01	Cust: R R215 JRef: 1WPc2150009 T17 / DrwNo: 287.19.1634.08055 YK / WHK 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	0.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 21.92 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.048
Max BC CSI: 0.029
Max Web CSI: 0.013

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

		Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	1	/-2	/-	/40	/34	/53
B*	84	/-	/-	/60	/24	/-
E	1	/-2	/-	/10	/4	/-

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 53.7 Min Req = -
E Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & E are a rigid surface.
Members not listed have forces less than 375#

Lumber

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

Plating Notes

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

Wind

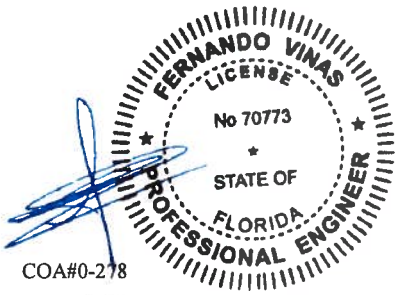
Wind loads based on MWFRS with additional C&C member design.

Additional Notes

Refer to General Notes for additional information

Refer to DWG PB160101014 for piggyback details.

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



COA#0-278

10/14/2019

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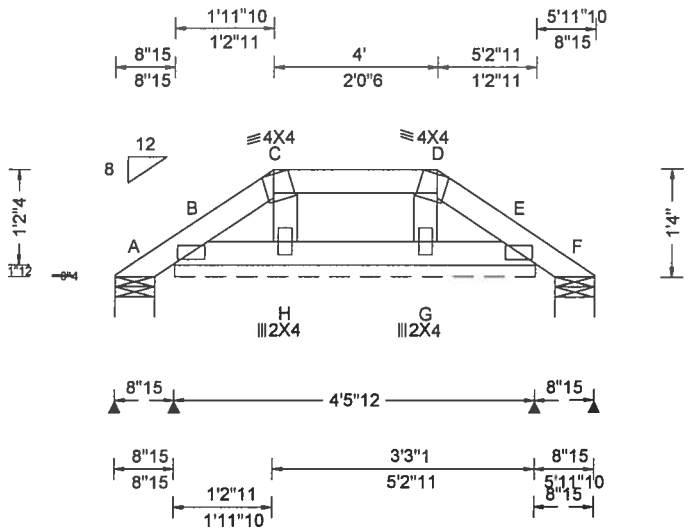
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 567092 / HIPS FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** P02	Cust: R R215 JRef: 1WPc2150009 T38 / DrwNo: 287.19.1634.07775 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 21.58 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Fac: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.067
Max BC CSI: 0.014
Max Web CSI: 0.018

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
A	18	/-	/-	/29	/15	/34
B*	76	/-	/-	/52	/21	/-
F	18	/-	/-	/18	/7	/-

Wind reactions based on MWFRS
A Brg Width = 5.9 Min Req = 1.5
B Brg Width = 53.7 Min Req = -
F Brg Width = 5.9 Min Req = 1.5
Bearings A, B, & F 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 1-4-0.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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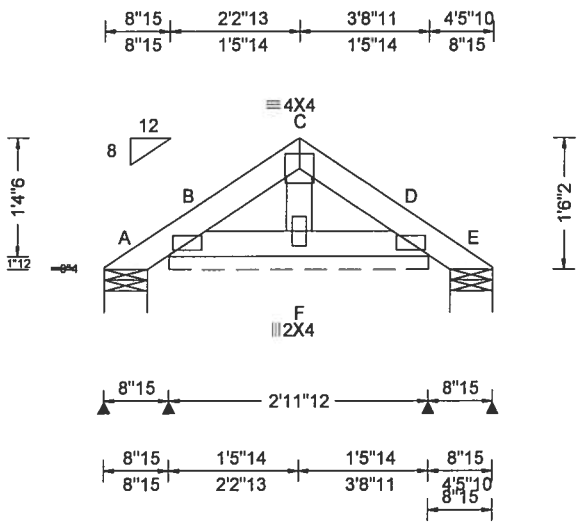
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** P03	Ply: 1 Qty: 5	SEQN: 566920 / T33 / SPEC FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07573 JB / FV 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 0.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 21.67 ft
TCDL: 5.0 psf
BCDL: 2.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.018
Max BC CSI: 0.012
Max Web CSI: 0.009

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	15	/ 19	/ 32	/ -	/ 39	/ 5.9
B*	82	/ 12	/ 61	/ -	/ -	/ 35.7
E	15	/ 4	/ 16	/ -	/ -	/ 5.9

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
E Min Brg Width 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.

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

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

Additional Notes
Refer to DWG PB160101014 for piggyback details.
The overall height of this truss excluding overhang is 1-6-2.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER
COA#0-278
10/14/2019

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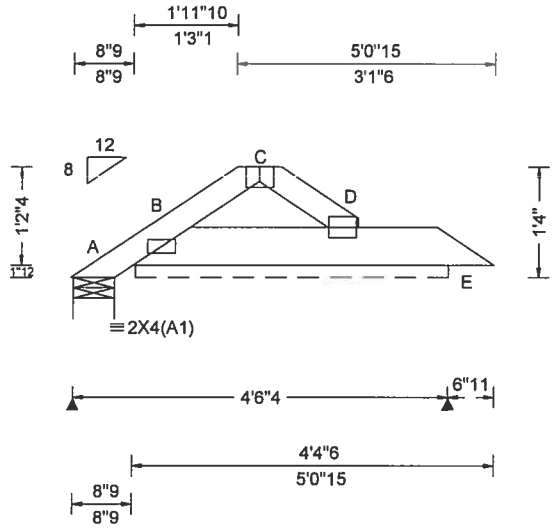
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** P04	Ply: 1 Qty: 1	SEQN: 567094 / T54 / SPEC FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.06825 JB / FV 10/14/2019



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: 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 Mean Height: 21.57 ft TCDL: 5.0 psf BCDL: 2.0 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 E 999 240 VERT(TL): 0.001 E 999 180 HORZ(LL): 0.000 E - - HORZ(TL): 0.000 E - - Creep Factor: 2.0 Max TC CSI: 0.014 Max BC CSI: 0.019 Max Web CSI: 0.000 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W A 8 / 13 / 23 / - / 33 / 5.9 B* 78 / 17 / 42 / - / - / 45.3 Wind reactions based on MWFRS A Min Brg Width Req = 1.5 B Min Brg Width Req = - Bearings A & B are a rigid surface. Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP #2
Bot chord 2x6 SP #2

Plating Notes

All plates are 3X4 except as noted.

Wind

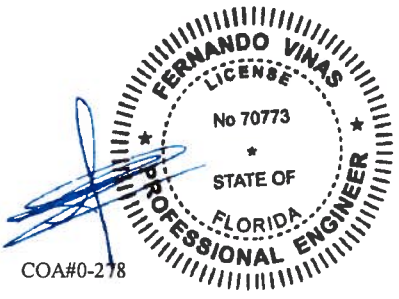
Wind loads based on MWFRS with additional C&C member design.

Right cantilever is exposed to wind

Additional Notes

Refer to DWG PB160101014 for piggyback details.

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



COA#0-278

10/14/2019

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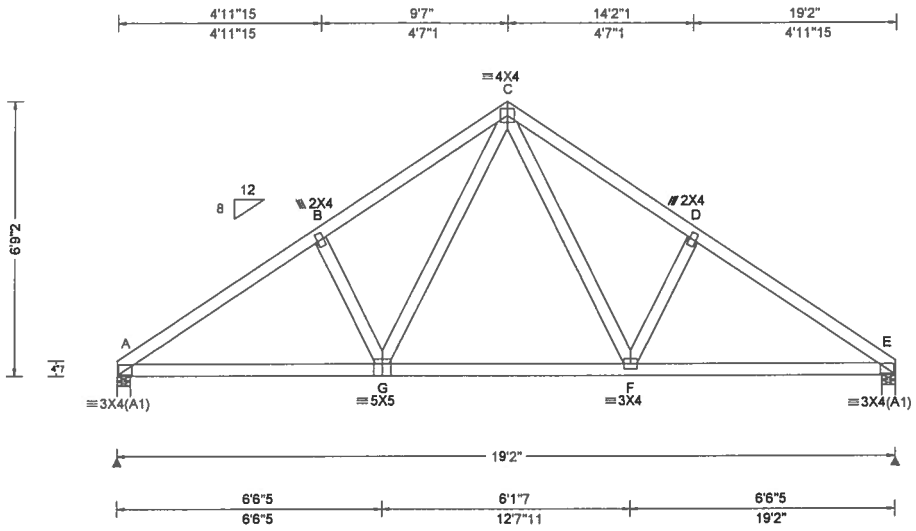
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** R01	Ply: 1 Qty: 1	SEQN: 566963 / T22 / COMN FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.06857 JB / FV 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.024	F	999	240
VERT(TL): 0.078	F	999	180
HORZ(LL): 0.011	F	-	-
HORZ(TL): 0.023	F	-	-

Creep Factor: 2.0
Max TC CSI: 0.238
Max BC CSI: 0.480
Max Web CSI: 0.154

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	805	/ 125	/ 473	/ -	/ 176	/ 4.0
E	805	/ 125	/ 473	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
E Min Brg Width Req = 1.5
Bearings A & E are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	250	- 1131	C - D	300	- 1005
B - C	300	- 1004	D - E	250	- 1132

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - G	879	- 138	F - E	880	- 139
G - F	592	- 26			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
G - C	403	- 120	C - F	405	- 120

Lumber

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

Wind

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

Additional Notes

The overall height of this truss excluding overhang is 6-9-2.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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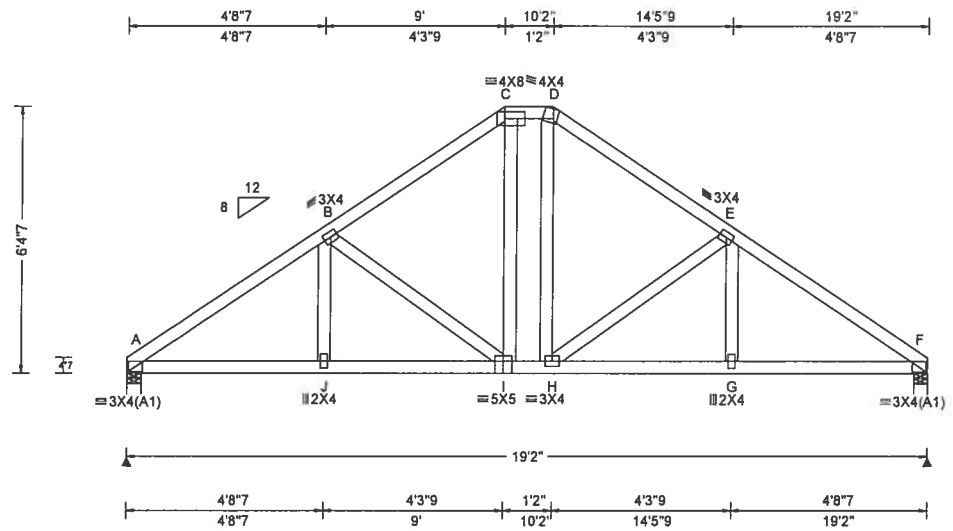
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** R02	Ply: 1 Qty: 1	SEQN: 567096 / T20 / HIPS FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.08056 JB / FV 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.024	H	999	240
VERT(TL): 0.082	H	999	180
HORZ(LL): 0.012	G	-	-
HORZ(TL): 0.026	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.229
Max BC CSI: 0.289
Max Web CSI: 0.209

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	805	/ 126	/ 473	/ -	/ 166	/ 4.0
F	805	/ 126	/ 473	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
F Min Brg Width Req = 1.5
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	262	-1154	D - E	253	-837
B - C	253	-837	E - F	262	-1154
C - D	237	-627			

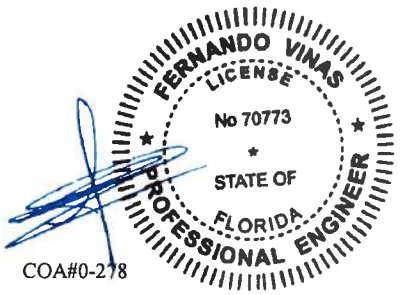
Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - J	898	-152	H - G	896	-152
J - I	896	-152	G - F	898	-152
I - H	627	-44			

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

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

Additional Notes
The overall height of this truss excluding overhang is 6-4-7.



COA#0-278

10/14/2019

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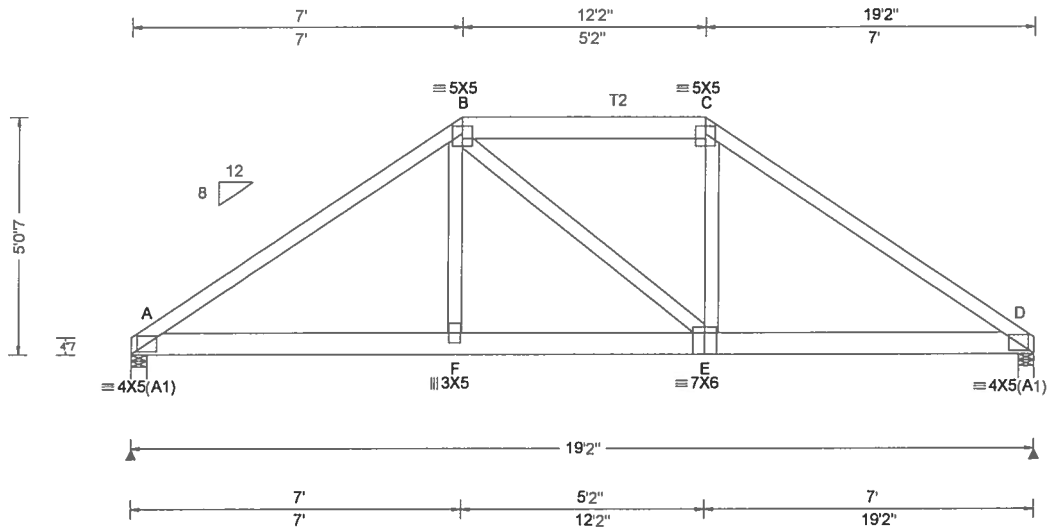
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** R03	Ply: 1 Qty: 1	SEQN: 567100 / T2 / HIPS FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.06980 JB / FV 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
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

Snow Criteria (Pg,Pf in PSF)
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 Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.057	F	999	240
VERT(TL): 0.174	F	999	180
HORZ(LL): 0.021	E	-	-
HORZ(TL): 0.044	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.674
Max BC CSI: 0.657
Max Web CSI: 0.283

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	1784	/ 422	/ -	/ -	/ -	/ 4.0
D	1784	/ 422	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = 2.1
D Min Brg Width Req = 2.1
Bearings A & D are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	713	-2855	C - D	714	-2850
B - C	559	-2287			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - F	2291	-559	E - D	2287	-559
F - E	2268	-557			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
F - B	731	-55	C - E	742	-57

Lumber

Top chord 2x4 SP #2 :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Special Loads

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

TC: From	64 plf at	0.00 to	64 plf at	7.00
TC: From	32 plf at	7.00 to	32 plf at	12.17
TC: From	64 plf at	12.17 to	64 plf at	19.17
BC: From	20 plf at	0.00 to	20 plf at	7.03
BC: From	10 plf at	7.03 to	10 plf at	12.14
BC: From	20 plf at	12.14 to	20 plf at	19.17

TC: 279 lb Conc. Load at 7.03,12.14
TC: 193 lb Conc. Load at 9.06,10.10
BC: 486 lb Conc. Load at 7.03,12.14
BC: 131 lb Conc. Load at 9.06,10.10

Wind

Wind loads and reactions based on MWFRS.

Additional Notes

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

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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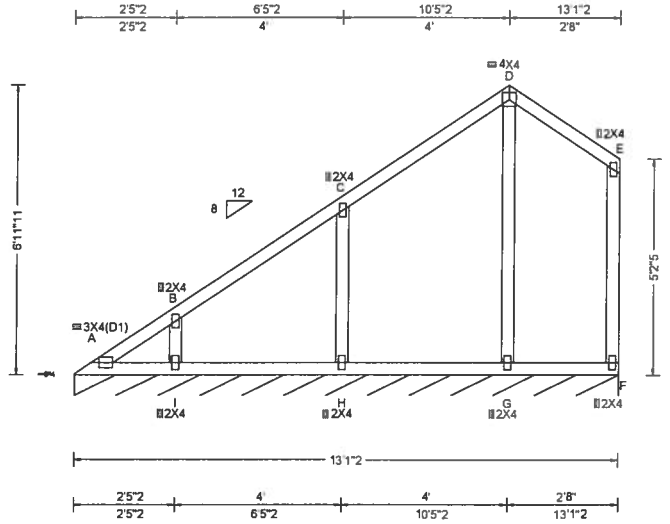
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V01	Ply: 1 Qty: 1	SEQN: 566944 / T80 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07262 JB / FV 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.26 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.001	D	999	240
VERT(TL):	0.003	D	999	180
HORZ(LL):	-0.003	C	-	-
HORZ(TL):	0.005	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.218
Max BC CSI: 0.113
Max Web CSI: 0.160

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F*	83	/ 12	/ 53	/ -	/ 11	/ 157

Wind reactions based on MWFRS
F Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

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

FERNANDO VINAS
LICENSE
No 70773
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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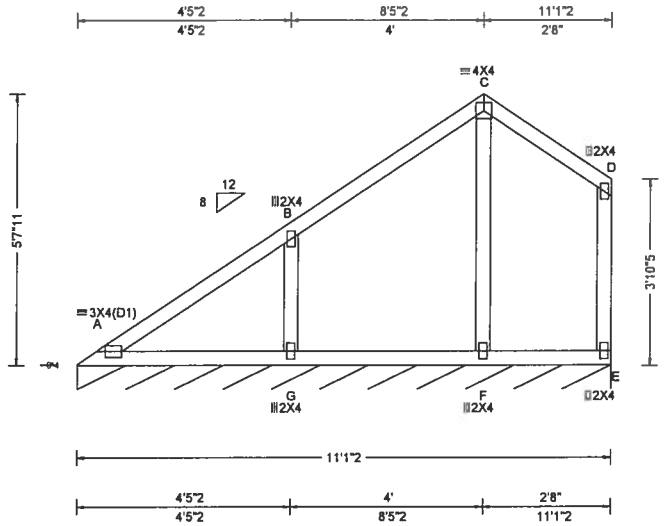
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V02	Ply: 1 Qty: 1	SEQN: 566940 / T79 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07449 JB / FV 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00

Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.93 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#	
VERT(LL):	0.007	G	999	240
VERT(TL):	0.022	G	999	180
HORZ(LL):	-0.003	D	-	-
HORZ(TL):	0.005	G	-	-

Creep Factor: 2.0
Max TC CSI: 0.293
Max BC CSI: 0.177
Max Web CSI: 0.100

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
E*	83	/ 12	/ 52	/ -	/ 11	/ 133

Wind reactions based on MWFRS
E Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

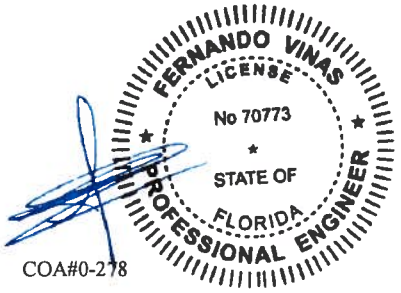
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

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



COA#0-278

10/14/2019

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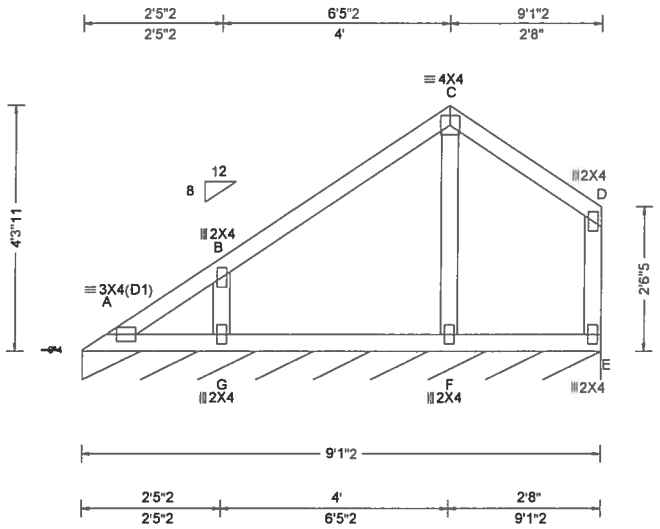
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V03	Ply: 1 Qty: 1	SEQN: 566992 / T78 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.06995 JB / FV 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 16.60 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.210
Max BC CSI: 0.099
Max Web CSI: 0.062

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
E*	83	/ 12	/ 50	/ -	/ 7	/ 109

Wind reactions based on MWFRS
E Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

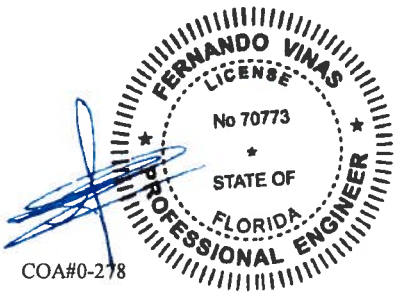
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-3-11.



COA#0-278

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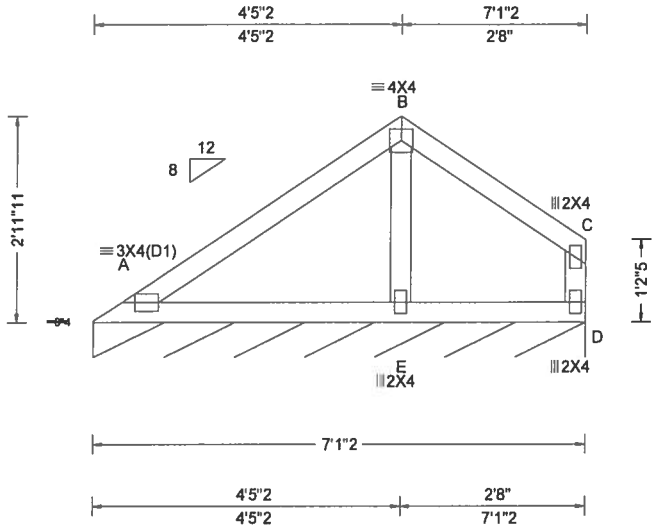
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V04	Ply: 1 Qty: 1	SEQN: 566966 / T77 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.08025 JB / FV 10/14/2019



Loading Criteria (psf)

TCLL:	20.00
TCDL:	10.00
BCLL:	0.00
BCDL:	10.00
Des Ld:	40.00
NCBCLL:	10.00
Soffit:	2.00
Load Duration:	1.25
Spacing:	24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 17.26 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

Snow Criteria (Pg,Pf in PSF)
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 Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.011 E	999	240
VERT(TL):	0.034 E	999	180
HORZ(LL):	0.004 E	-	-
HORZ(TL):	0.008 E	-	-

Creep Factor: 2.0
Max TC CSI: 0.240
Max BC CSI: 0.231
Max Web CSI: 0.043

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
D*	83	/ 4	/ 47	/ -	/ 8	/ 85.1

Wind reactions based on MWFRS
D Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

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

FERNANDO VINAS
LICENSE
No 70773
STATE OF
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COA#0-278

10/14/2019

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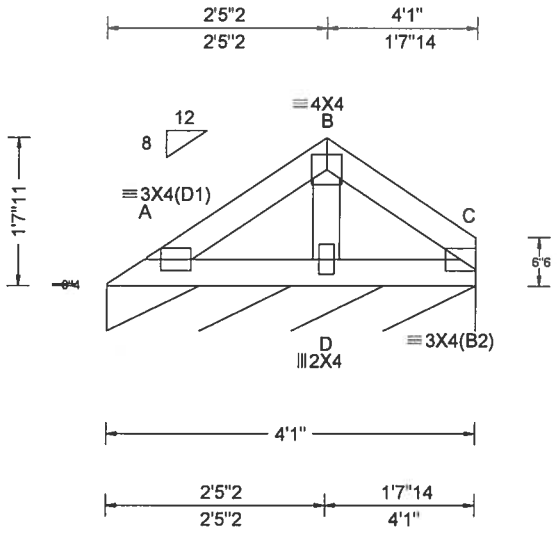
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

SEQN: 566934 / VAL FROM:	Ply: 1 Qty: 1	**Job Number:** 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V05	Cust: R R215 JRef: 1WPc2150009 T68 / DrwNo: 287.19.1634.07494 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C Kzt: NA
Mean Height: 17.93 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

Snow Criteria (Pg,Pf in PSF)
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

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.002	D	999	240
VERT(CL): 0.003	D	999	180
HORZ(LL): 0.001	D	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 2.0
Max TC CSI: 0.056
Max BC CSI: 0.050
Max Web CSI: 0.021

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

	Gravity			Non-Gravity		
Loc	R+	/ R-	/ Rh	/ Rw	/ U	/ RL
C*	82	/-	/-	/45	/1	/8

Wind reactions based on MWFRS
C Brg Width = 49.0 Min Req = -
Bearing A is a rigid surface.
Members not listed have forces less than 375#

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

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

Additional Notes
Refer to General Notes for additional information
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 1-7-11.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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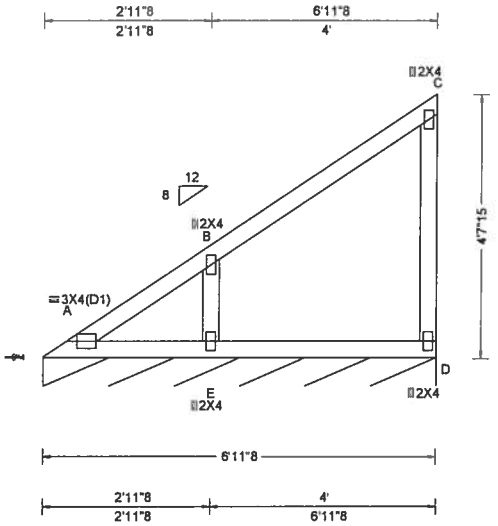
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V06	Ply: 1 Qty: 1	SEQN: 566985 / T72 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07526 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.001	E	999	240
VERT(TL): 0.003	E	999	180
HORZ(LL): -0.002	C	-	-
HORZ(TL): 0.003	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.245
Max BC CSI: 0.150
Max Web CSI: 0.053

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
D*	83	/ 12	/ 57	/ -	/ 18	/ 83.5

Wind reactions based on MWFRS
D Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

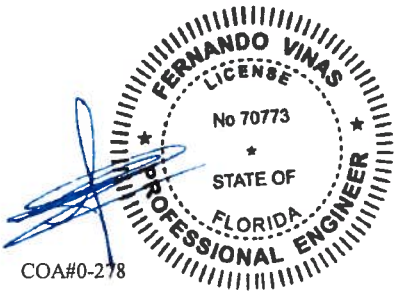
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 4-7-15.



COA#0-278

10/14/2019

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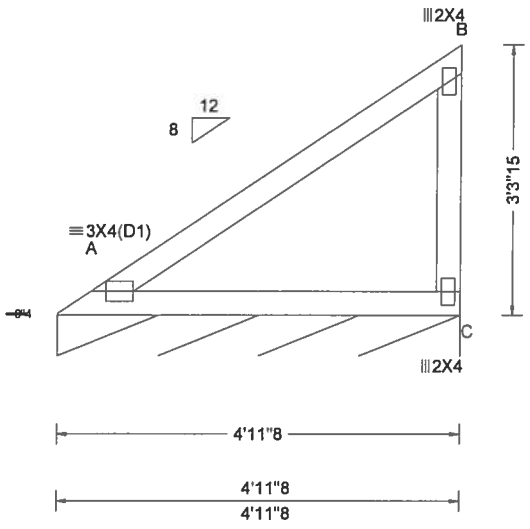
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V07	Ply: 1 Qty: 1	SEQN: 566961 / T63 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07696 YK / WHK 10/14/2019



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 Mean Height: 15.31 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.006 C - - HORZ(TL): 0.012 C - - Creep Factor: 2.0 Max TC CSI: 0.313 Max BC CSI: 0.269 Max Web CSI: 0.094 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W C* 82 / 3 / 56 / - / 11 / 59.5 Wind reactions based on MWFRS C Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

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

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COA#0-278

10/14/2019

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6750 Forum Drive
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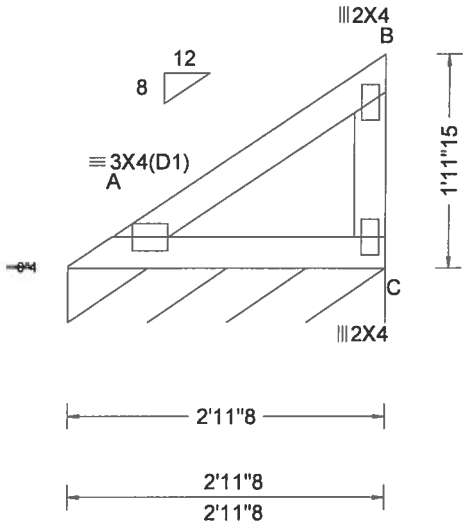
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V08	Ply: 1 Qty: 1	SEQN: 566928 / T45 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07588 YK / WHK 10/14/2019



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 Mean Height: 15.97 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.001 C - - HORZ(TL): 0.002 C - - Creep Factor: 2.0 Max TC CSI: 0.098 Max BC CSI: 0.085 Max Web CSI: 0.025 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W C* 81 / 2 / 54 / - / 11 / 35.5 Wind reactions based on MWFRS C Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

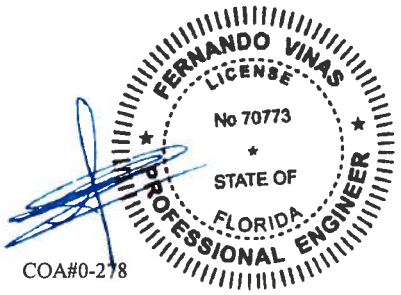
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

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



COA#0-278

10/14/2019

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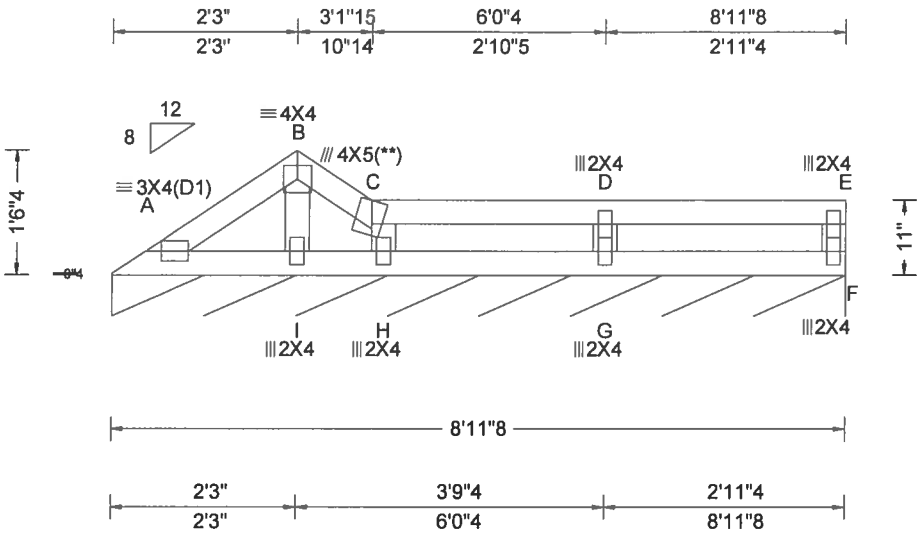
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V09	Ply: 1 Qty: 1	SEQN: 567102 / T26 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07307 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 17.15 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.115
Max BC CSI: 0.070
Max Web CSI: 0.040

VIEW Ver: 17.02.00.1013.16

▲ Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F*	83	/ 13	/ 43	/ -	/ 3	/ 107

Wind reactions based on MWFRS
F Min Brg Width 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

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

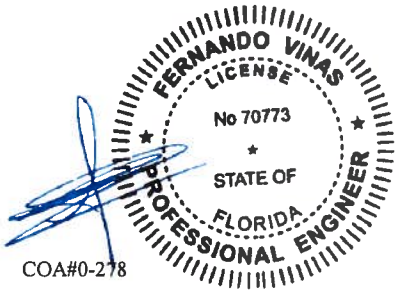
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-6-4.



COA#0-278

10/14/2019

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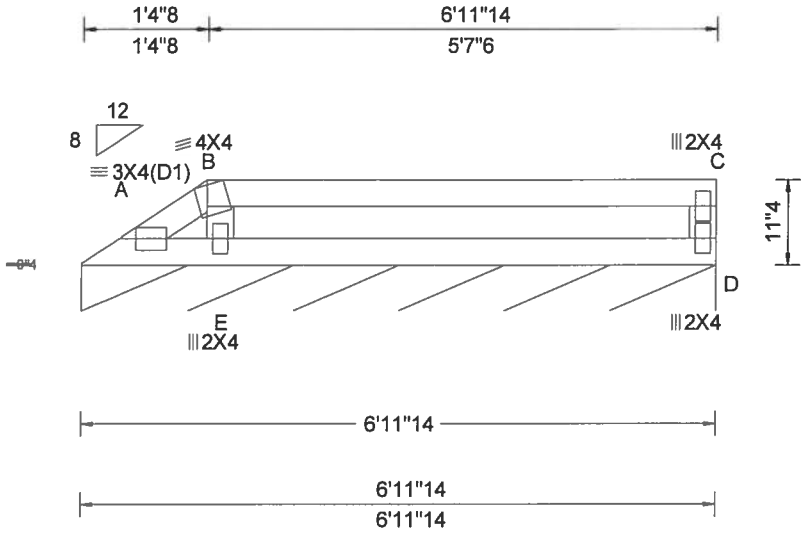
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V10	Ply: 1 Qty: 1	SEQN: 567104 / T64 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07946 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
Mean Height: 18.19 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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

Code / Misc Criteria
Bldg Code: FBC 2017 RES
TPI Std: 2014
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): -0.000	E	999	240
VERT(TL): -0.002	E	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): 0.002	C	-	-

Creep Factor: 2.0
Max TC CSI: 0.569
Max BC CSI: 0.265
Max Web CSI: 0.153

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
D*	83	/ 16	/ 43	/ -	/ 2	/ 83.9

Wind reactions based on MWFRS
D Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

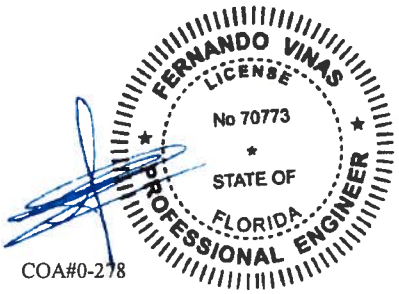
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 0-11-4.



COA#0-278

10/14/2019

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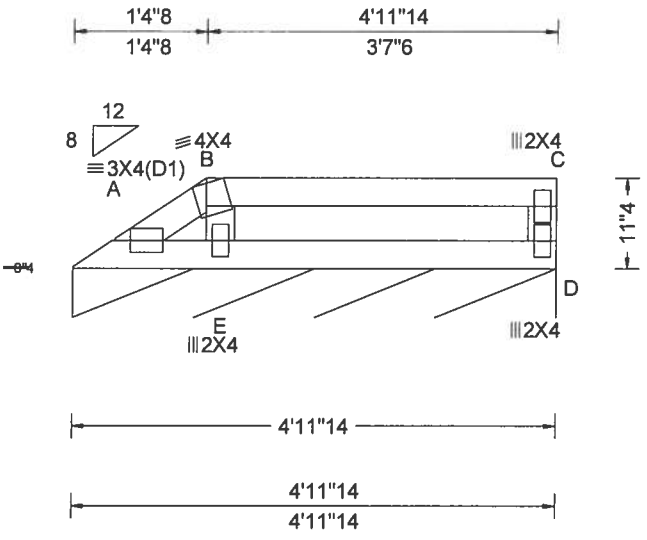
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V11	Ply: 1 Qty: 1	SEQN: 567106 / T66 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07261 YK / WHK 10/14/2019



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 Mean Height: 19.53 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 E 999 240 VERT(TL): 0.001 E 999 180 HORZ(LL): -0.000 C - - HORZ(TL): 0.001 C - - Creep Factor: 2.0 Max TC CSI: 0.223 Max BC CSI: 0.099 Max Web CSI: 0.074 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W D* 82 / 16 / 43 / - / 3 / 59.9 Wind reactions based on MWFRS D Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

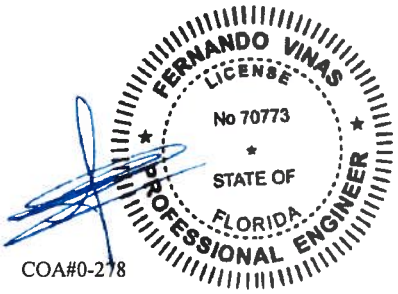
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 0-11-4.



COA#0-278

10/14/2019

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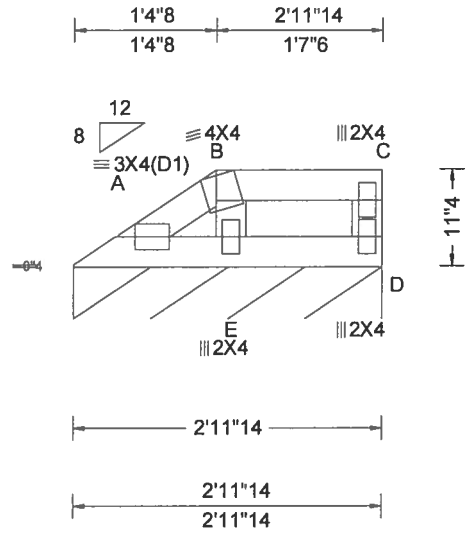
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V12	Ply: 1 Qty: 1	SEQN: 567108 / T67 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07431 YK / WHK 10/14/2019



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 Mean Height: 20.86 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.000 E 999 240 VERT(TL): 0.001 E 999 180 HORZ(LL): -0.000 C - - HORZ(TL): 0.000 C - - Creep Factor: 2.0 Max TC CSI: 0.040 Max BC CSI: 0.018 Max Web CSI: 0.018 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W D* 81 / 13 / 45 / - / 5 / 35.9 Wind reactions based on MWFRS D Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

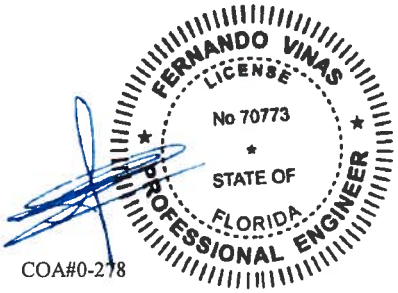
Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 0-11-4.



COA#0-278

10/14/2019

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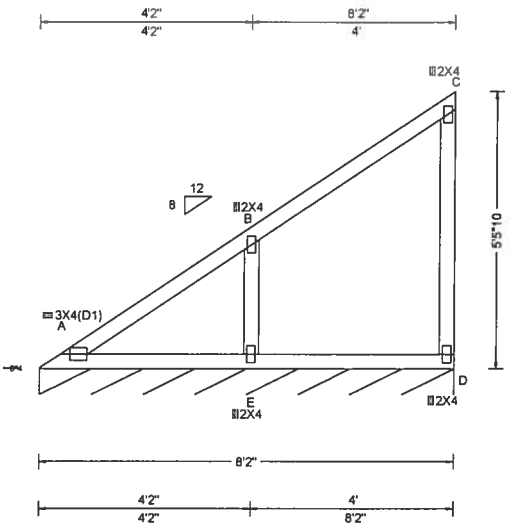
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V13	Ply: 1 Qty: 1	SEQN: 566954 / T71 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07790 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
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

Snow Criteria (Pg,Pf in PSF)
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 Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.005	E	999	240
VERT(TL): 0.017	E	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.004	E	-	-

Creep Factor: 2.0
Max TC CSI: 0.282
Max BC CSI: 0.189
Max Web CSI: 0.064

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
D*	83	/ 3	/ 58	/ -	/ 12	/ 98.0

Wind reactions based on MWFRS
D Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

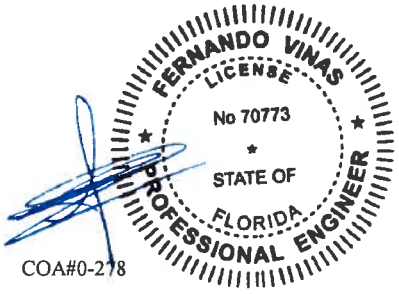
Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 5-5-10.



COA#0-278

10/14/2019

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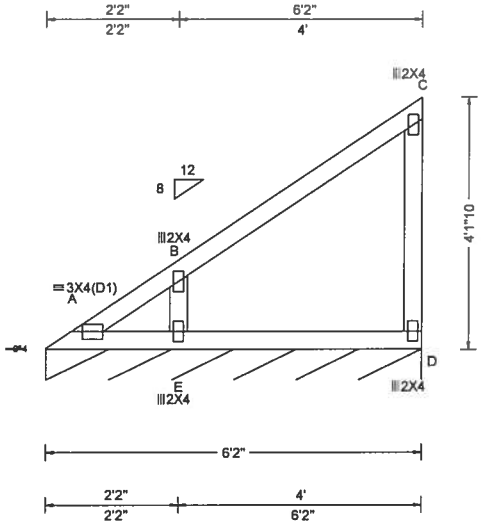
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V14	Ply: 1 Qty: 1	SEQN: 566922 / T70 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07930 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
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

Snow Criteria (Pg,Pf in PSF)
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 Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

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

Creep Factor: 2.0
Max TC CSI: 0.198
Max BC CSI: 0.131
Max Web CSI: 0.064

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
D*	83	/ 3	/ 57	/ -	/ 12	/ 74.0

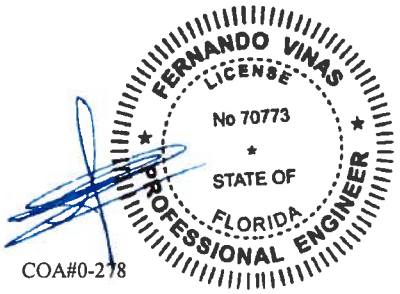
Wind reactions based on MWFRS
D Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

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

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

Additional Notes
See DWG VAL160101014 for valley details.
The overall height of this truss excluding overhang is 4-1-10.



COA#0-278

10/14/2019

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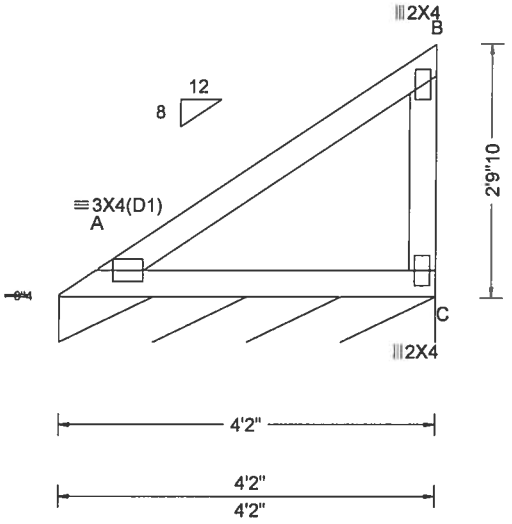
ALPINE
AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V15	Ply: 1 Qty: 1	SEQN: 566978 / T69 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07401 YK / WHK 10/14/2019



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 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 Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): NA VERT(TL): NA HORZ(LL): 0.004 C - - HORZ(TL): 0.007 C - - Creep Factor: 2.0 Max TC CSI: 0.210 Max BC CSI: 0.195 Max Web CSI: 0.053 VIEW Ver: 17.02.00.1013.16	Loc R / U / Rw / Rh / RL / W C* 82 / 3 / 56 / - / 11 / 50.0 Wind reactions based on MWFRS C Min Brg Width Req = - Bearing A is a rigid surface. Members not listed have forces less than 375#

Lumber

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

Wind

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

Right end vertical not exposed to wind pressure.

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 2-9-10.

FERNANDO VINAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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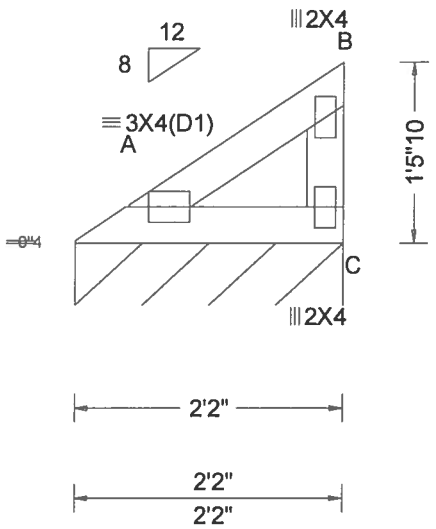
ALPINE AN ITW COMPANY
6750 Forum Drive
Suite 305
Orlando FL, 32821

Job Number: 19-3628 /LOT 21 BLACKBERRY FARMS /Gibraltor Contr. **Truss Label:** V16	Ply: 1 Qty: 1	SEQN: 566950 / T65 / VAL FROM:	Cust: RR215 JRef: 1WPc2150009 DrwNo: 287.19.1634.07448 YK / WHK 10/14/2019



Loading Criteria (psf)
TCLL: 20.00
TCDL: 10.00
BCLL: 0.00
BCDL: 10.00
Des Ld: 40.00
NCBCLL: 10.00
Soffit: 2.00
Load Duration: 1.25
Spacing: 24.0 "

Wind Criteria
Wind Std: ASCE 7-10
Speed: 130 mph
Enclosure: Closed
Risk Category: II
EXP: C
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

Snow Criteria (Pg,Pf in PSF)
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 Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria
PP Deflection in loc L/defl L/#
VERT(LL): NA
VERT(TL): NA
HORZ(LL): 0.000 C - -
HORZ(TL): 0.001 C - -
Creep Factor: 2.0
Max TC CSI: 0.047
Max BC CSI: 0.045
Max Web CSI: 0.014

VIEW Ver: 17.02.00.1013.16

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
C*	80	/ 1	/ 52	/ -	/ 10	/ 26.0

Wind reactions based on MWFRS
C Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

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

Wind

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

Additional Notes

See DWG VAL160101014 for valley details.

The overall height of this truss excluding overhang is 1-5-10.

FERNANDO VINAS
LICENSE
No 70773
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

COA#0-278

10/14/2019

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

Gable Stud Reinforcement Detail

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

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

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

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

Douglas Fir-Larch	Southern Pine***
#3	#3
Stud	Stud
Standard	Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch	Southern Pine***
#1	#1
#2	#2

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

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

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240.

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

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

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

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

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

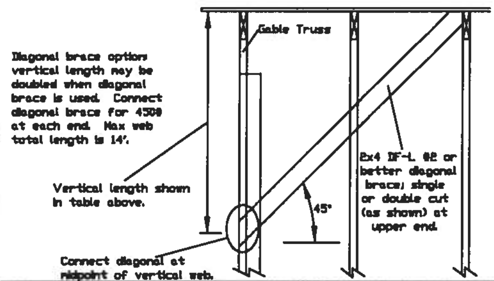
"L" bracing must be a minimum of 80% of web member length.

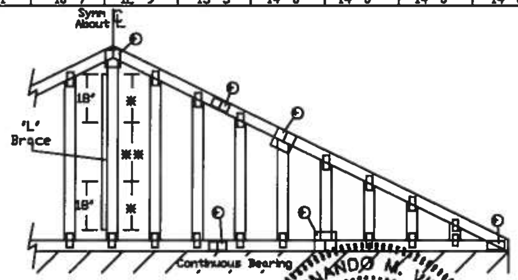
Gable Vertical Plate Sizes

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

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

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





ALPINE AN ITW COMPANY

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Suite 200
Maryland Heights, MO 63043

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FERNANDO M. VIVAS LICENSE No 70773 STATE OF FLORIDA PROFESSIONAL ENGINEER

10/14/2019

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

COA#0-278

CLR Reinforcing Member Substitution

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

Notes:

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

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

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

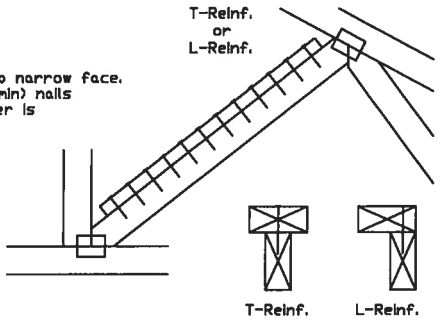
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Alternative Reinforcement Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4@0
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6@0

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.

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

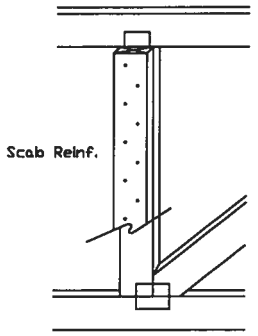
T-Reinforcement or L-Reinforcement:

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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LICENSE
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/14/2019

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

COA#0-278

CLR Reinforcing Member Substitution

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

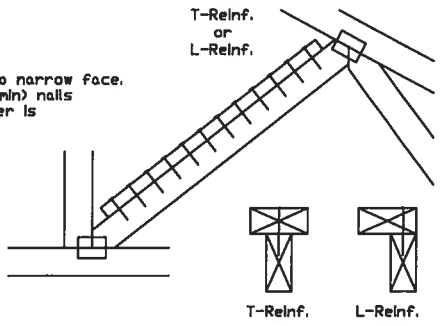
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4@0
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6@0

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.

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

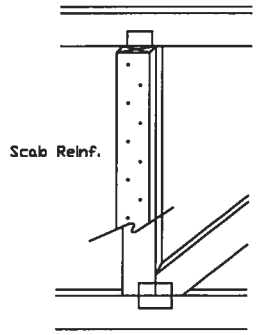
T-Reinforcement or L-Reinforcement:

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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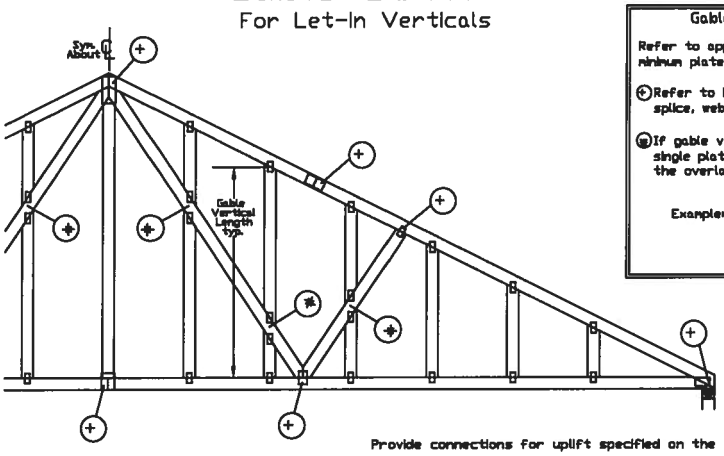
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/14/2019

TC	LL	PSF	REF	CLR Subst.
TC	DL	PSF	DATE	10/01/14
BC	DL	PSF	DRWG	BRCLBSUB1014
BC	LL	PSF		
TOT.	L.D.	PSF		
DUR. FAC.				
SPACING				

Gable Detail
For Let-In Verticals



Gable Truss Plate Sizes

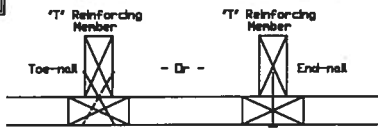
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ 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



Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:
10d Common (0.148"x 3",min) Nails at 4" o.c. plus
(4) nails in the top and botton chords.

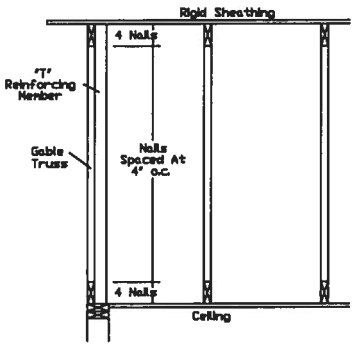
Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and botton chords.

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

ASCE 7-05 Gable Detail Drawings
A13015051014, A12015051014, A11015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings
A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A20015END100118, A20015PED100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A20030END100118, A20030PED100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S20015END100118, S20015PED100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S20030END100118, S20030PED100118

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



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 botton chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

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

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

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AN ITW COMPANY
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LICENSE
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/14/2019

COA#0-278

REF	LET-IN VERT
DATE	01/02/2018
DRWG	GBLLETIN0118
MAX. TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX. SPACING	24.0"

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

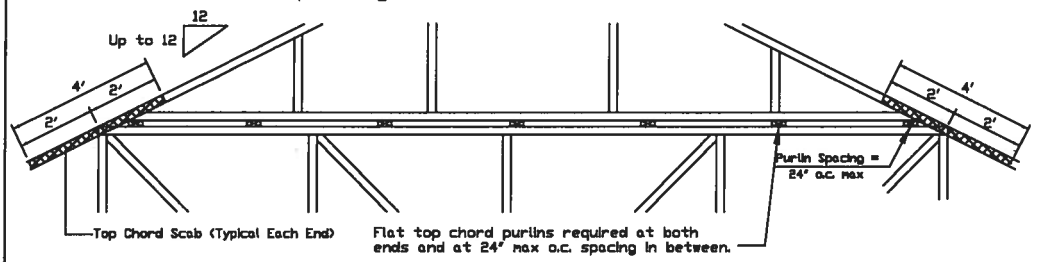
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

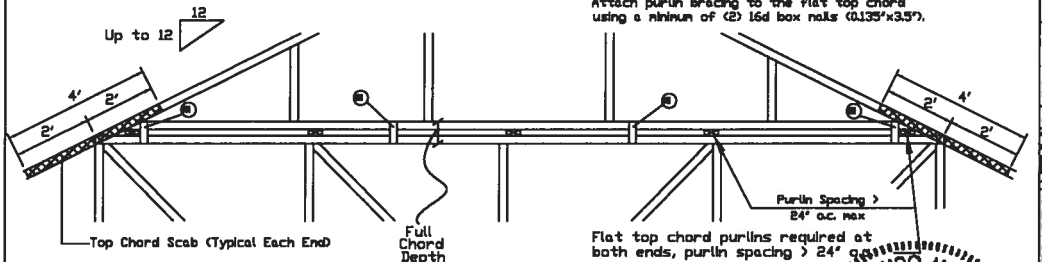


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4" o.c.

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 (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

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



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

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

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

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

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

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

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

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

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

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 B8, 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 160M-2 for standard plate positions.

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

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

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

FERNANDO M. VINAS
LICENSE
No 70773
STATE OF FLORIDA
PROFESSIONAL ENGINEER

10/14/2019

SPACING 24.0"

REF	PIGGYBACK
DATE	10/01/14
DRWG	PB160101014

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

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

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

Bottom chord may be square or pitched cut as shown.

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

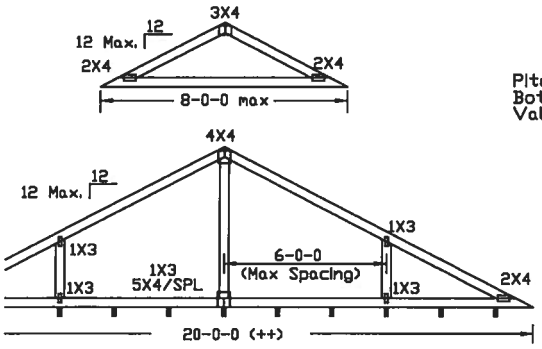
All plates shown are ITW BCG Wave Plates.

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

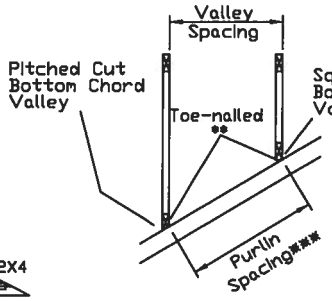
Top chord of truss beneath valley set must be braced with:
properly attached, rated sheathing applied prior to valley truss installation.
Or
Purlins at 24" o.c. or as otherwise specified on engineer's sealed design
Or
By valley trusses used in lieu of purlin spacing as specified on Engineer's sealed design.

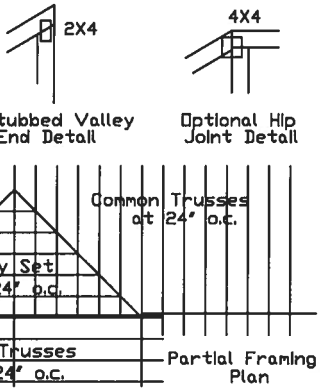
*** Note that the purlin spacing for bracing the top chord of the truss beneath the valley is measured along the slope of the top chord.

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



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





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For more information see this job's general notes page and these web sites:
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PROFESSIONAL ENGINEER

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	0PSF	
TOT. LD.	60	55	57PSF	
DUR.FAC.	1.25	1.33	1.15	1.15
SPACING			24.0"	

COA#0-278