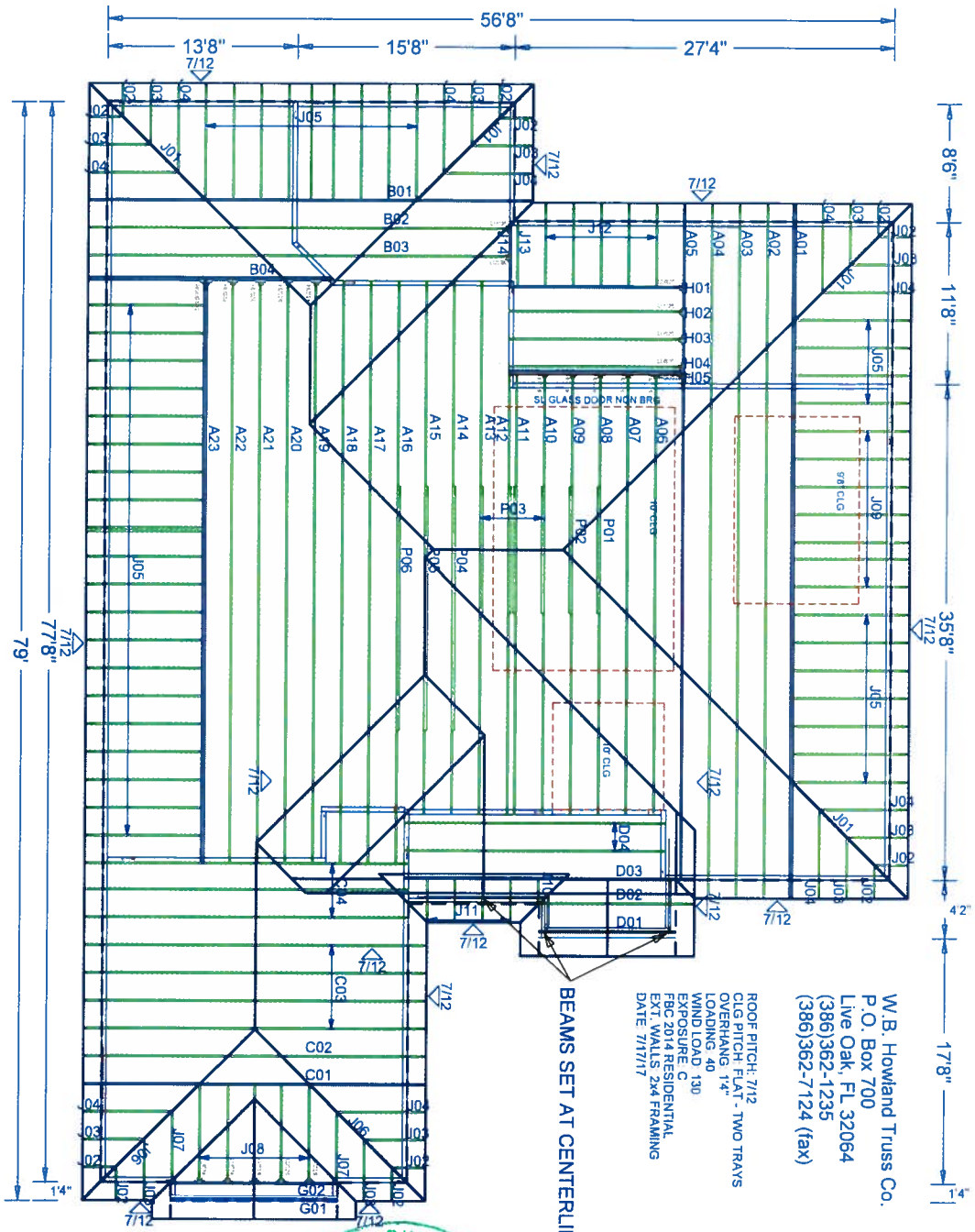

BEAMS SET AT CENTERLINE OF POSTS

ROOF PITCH: 7/12
CLG PITCH: FLAT - TWO TRAYS
OVERHANG: 14"
LOADING: 40
WIND LOAD: 130
EXPOSURE: C
FBC 2014 RESIDENTIAL
EXT. WALLS: 2x4 FRAMING
DATE: 7/17/17

W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386)362-1235
(386)362-7124 (fax)

TRUSS TO TRUSS CONNECTIONS

22 TOTAL PIECES

11 - LUS26
9 - HUS26
2 - HGUS28-2

(4) LUS26 H01 - H04 TO A05
(2) LUS26 B02-B03 TO J14
(5) LUS26 J08 TO G02
(4) HUS26 A19-A22 TO B04
(5) HUS26 A06-A10 TO H05
(1) HGUS28-2 H05 TO A05
(1) HGUS28-2 A23 TO B04

COLUMBIA COUNTY BUILDING DEPARTMENT
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PLANS EXAMINER

PAGE NO: 1 OF 1	JOB NO: 17-1618	Job Name: GREEN RESIDENCE Customer: ZECHER CONSTRUCTION Designer: Chris McCall ADDRESS: SALESMAN: Fill in later : <Not Found>	JOB #: 17-1618	WB HOWLAND

Alpine, an ITW Company
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
Phone: (800)755-6001
alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	Job Number: 17-1618
JobDescription: GREEN RESIDENCE	
Address:	City, State, Zip: LAKE CITY, FL

Name, Address and License # of Structural EOR if one exists for the building:

Name:	License #:	State:
Address:	City, State, Zip:	

Job Engineering Criteria:

Design Code: FBC 2014 RES		View Version: 16.02.01.0131.17	JRef #: 1W2L2150001
Wind Standard: ASCE 7-10	Wind Speed (mph): 130	Roof Load (psf): 20.00-10.00- 0.00-10.00	Floor Load (psf): None

This package contains a job notes page, 62 truss drawings and 6 details.

Item	Seal #	Truss
1	199.17.0728.25373	A01
3	199.17.0728.29393	A03
5	199.17.0728.41553	A05
7	199.17.0728.58387	A07
9	199.17.0729.08530	A09
11	199.17.0729.12713	A11
13	199.17.0729.16217	A13
15	199.17.0729.23837	A15
17	199.17.0729.26550	A17
19	199.17.0729.31527	A19
21	199.17.0729.34810	A21
23	199.17.0729.38503	A23
25	199.17.0729.40723	B02
27	199.17.0729.42730	B04
29	199.17.0730.11153	C02
31	199.17.0730.13977	C04
33	199.17.0730.17003	D02
35	199.17.0731.18657	D04

Item	Seal #	Truss
2	199.17.0728.27210	A02
4	199.17.0728.30823	A04
6	199.17.0728.53157	A06
8	199.17.0729.03337	A08
10	199.17.0729.10810	A10
12	199.17.0729.14283	A12
14	199.17.0729.17590	A14
16	199.17.0729.25243	A16
18	199.17.0729.28903	A18
20	199.17.0729.33600	A20
22	199.17.0729.36827	A22
24	199.17.0729.39690	B01
26	199.17.0729.41693	B03
28	199.17.0730.08923	C01
30	199.17.0730.12903	C03
32	199.17.0730.15443	D01
34	199.17.0731.17233	D03
36	199.17.0731.20340	G01

COLUMBIA COUNTY BUILDING DEPARTMENT
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DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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07/18/2017

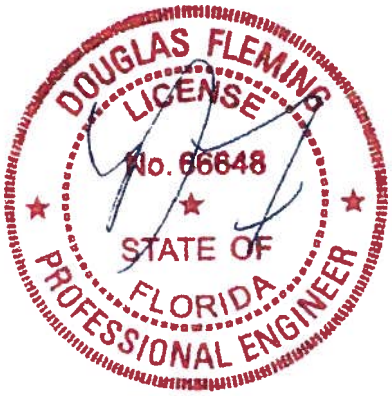
Alpine, an ITW Company
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
Phone: (800)755-6001
alpineitw.com

Site Information:

Customer: W. B. Howland Company, Inc.	*Job Number:* 17-1618
JobDescription: GREEN RESIDENCE	
Address:	*City, State, Zip:* LAKE CITY, FL

Item	Seal #	Truss
37	199.17.0732.04390	G02
39	199.17.0732.11877	H02
41	199.17.0732.14647	H04
43	199.17.0732.19893	J01
45	199.17.0732.22707	J03
47	199.17.0732.26283	J05
49	199.17.0732.28810	J07
51	199.17.0732.31070	J09
53	199.17.0732.33280	J11
55	199.17.0732.35620	J13
57	199.17.0732.37797	P01
59	199.17.0732.46047	P03
61	199.17.0732.49403	P05

Item	Seal #	Truss
38	199.17.0732.10093	H01
40	199.17.0732.13177	H03
42	199.17.0732.16230	H05
44	199.17.0732.21693	J02
46	199.17.0732.25120	J04
48	199.17.0732.27540	J06
50	199.17.0732.29993	J08
52	199.17.0732.32187	J10
54	199.17.0732.34420	J12
56	199.17.0732.36633	J14
58	199.17.0732.44760	P02
60	199.17.0732.48107	P04
62	199.17.0732.52677	P06

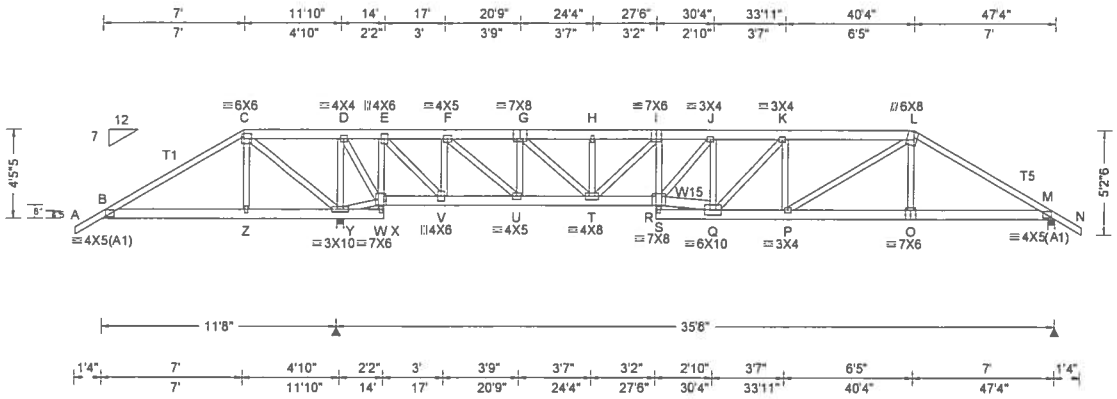


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

07/18/2017

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A01	Ply: 2 Qty: 1	SEQN: 478644 / T43 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.25373 KM / DF 07/18/2017	

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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.73 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 2014 RES
TPI Std: 2007
Rep Factors Used: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.136	R	999	240
VERT(TL): 0.356	R	999	180
HORZ(LL): 0.033	O	-	-
HORZ(TL): 0.087	O	-	-

Creep Factor: 1.5
Max TC CSI: 0.204
Max BC CSI: 0.245
Max Web CSI: 0.715

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
Y	5486	/ 912	/ -	/ -	/ -	/ 4.0
M	2760	/ 459	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
Y Min Brg Width Req = 1.9
M Min Brg Width Req = 1.5
Bearings Y & M are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	432	- 107	H - I	436	- 2858
C - D	1222	- 226	I - J	549	- 3528
D - E	570	- 126	J - K	455	- 2916
E - F	82	- 709	K - L	451	- 2872
F - G	288	- 1966	L - M	394	- 2420
G - H	436	- 2858			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
W - V	116	- 516	Q - P	2893	- 458
V - U	820	- 103	P - O	2069	- 326
U - T	2047	- 304	O - M	2053	- 325
T - R	3528	- 549			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Z	384	- 11	U - G	186	- 935
C - Y	194	- 1173	G - T	1127	- 183
Y - D	243	- 1302	T - I	161	- 952
Y - W	227	- 1226	I - R	606	- 75
D - W	1194	- 181	R - J	908	- 138
W - E	249	- 1446	R - Q	3022	- 472
E - V	1876	- 304	J - Q	149	- 828
V - F	238	- 1262	P - L	953	- 149
F - U	1587	- 257	O - L	439	- 17

Lumber
Value Set: 13B (Effective 6/1/2013)
Top chord 2x6 SP M-31 :T1, T5 2x4 SP M-31:
Bot chord 2x6 SP M-31
Webs 2x4 SP #3 :W15 2x6 SP M-31:
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

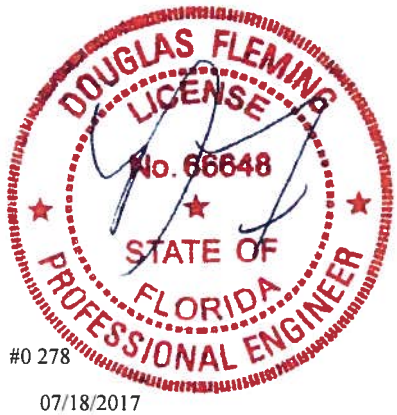
Plating Notes
All plates are 2X4 except as noted.

Loading
#1 hip supports 7-0-0 jacks W/2 panel TC and no end vert.
Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.

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

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

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



#0 278

07/18/2017

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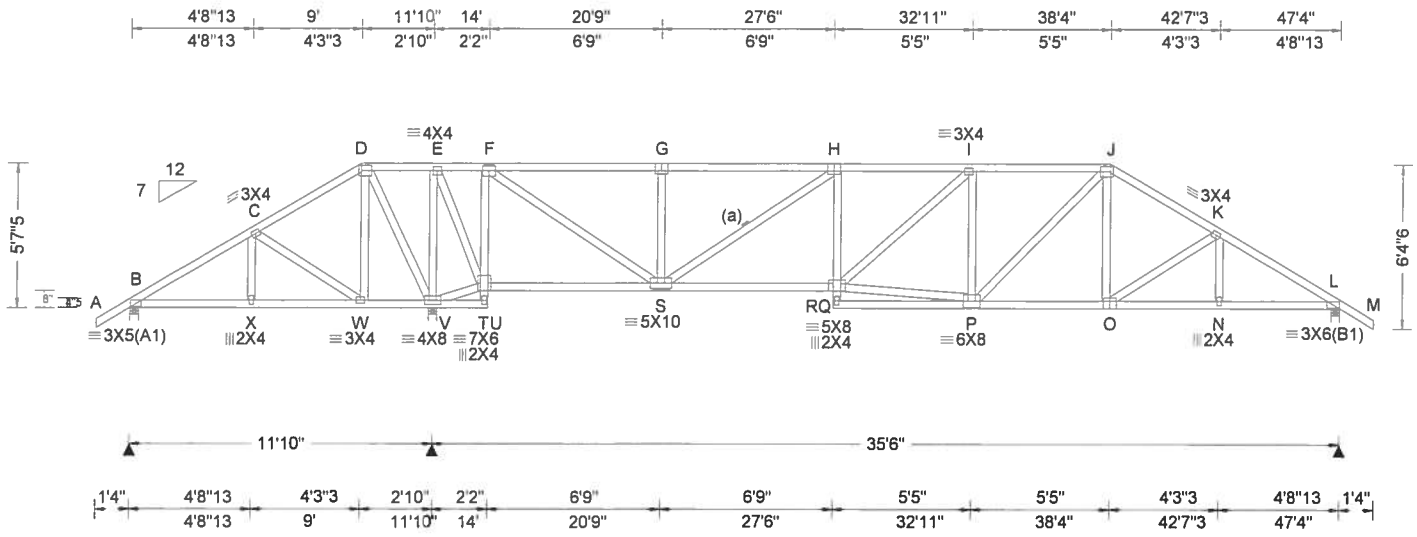
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing,any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses**A seal on this drawing or cover page listing this drawing,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

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

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A02	Ply: 1 Qty: 1	SEQN: 478531 / T6 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.27210 KM / DF 07/18/2017



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: 4.73 ft
Loc. from endwall: not in 6.50 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 2014 RES
TPI Std: 2007
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): 0.107	Q	999	240
VERT(TL): 0.288	Q	999	180
HORZ(LL): 0.024	N	-	-
HORZ(TL): 0.063	N	-	-

Creep Factor: 1.5
Max TC CSI: 0.264
Max BC CSI: 0.338
Max Web CSI: 0.858

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	221	/ 359	/ 104	/ -	/ 188	/ 4.0
V	2852	/ 501	/ 1488	/ -	/ -	/ 4.0
L	1357	/ 245	/ 838	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
V Min Brg Width Req = 2.0
L Min Brg Width Req = 1.5
Bearings B, V, & L are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	944	- 173	G - H	325	- 944
C - D	1171	- 203	H - I	569	- 1924
D - E	1472	- 251	I - J	554	- 1793
E - F	1000	- 146	J - K	511	- 1793
F - G	325	- 944	K - L	515	- 2078

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - X	220	- 783	S - Q	1928	- 358
X - W	220	- 786	P - O	1496	- 267
W - V	340	- 997	O - N	1724	- 366
T - S	349	- 956	N - L	1725	- 365

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	166	- 442	F - S	2253	- 547
D - V	261	- 1124	G - S	169	- 449
V - E	296	- 1173	S - H	297	- 1205
V - T	488	- 1533	Q - P	1747	- 326
E - T	1160	- 249	I - P	154	- 442
T - F	435	- 1605	P - J	415	- 120

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Purlins

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

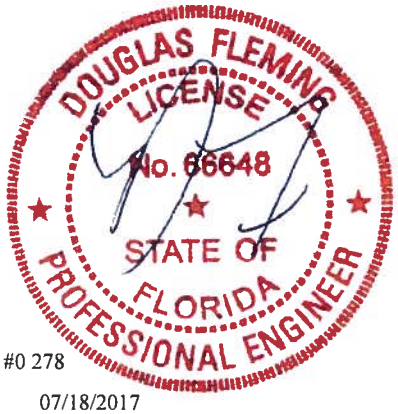
Wind

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

Additional Notes

Negative reaction(s) of -359# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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



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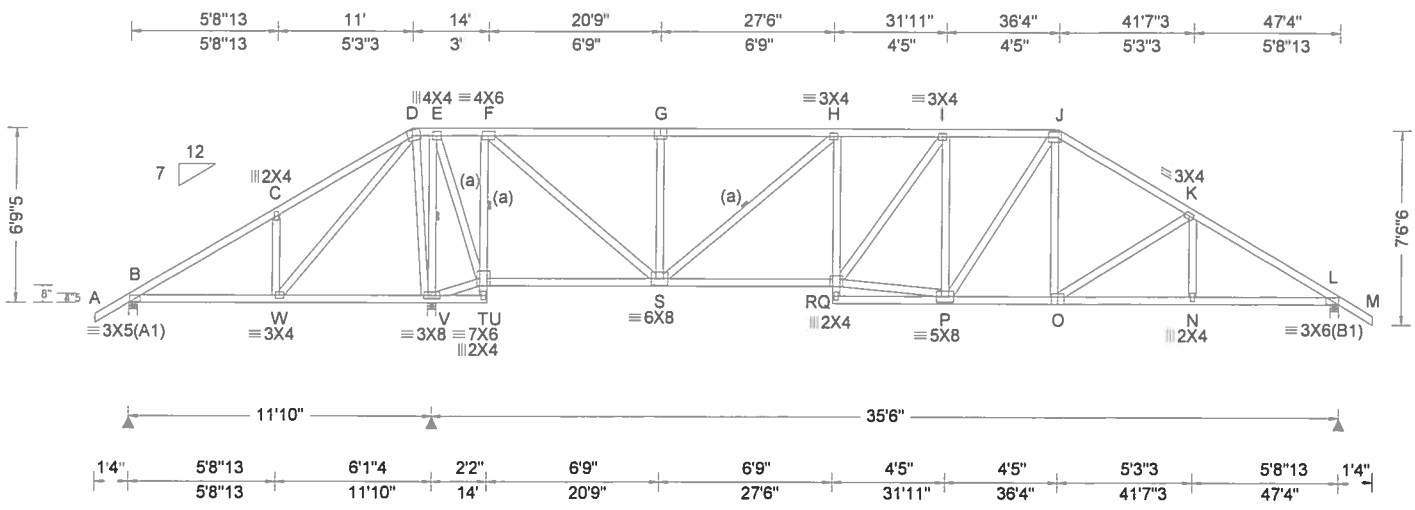
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com, TPI www.tpinst.org, SBCA www.sbcindustry.com, ICC www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A03	Ply: 1 Qty: 1	SEQN: 478561 / T2 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.29393 KM / DF 07/18/2017



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: 4.73 ft
Loc. from endwall: not in 6.50 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 2014 RES
TPI Std: 2007
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): 0.088	Q	999	240
VERT(TL): 0.237	Q	999	180
HORZ(LL): 0.023	N	-	-
HORZ(TL): 0.062	N	-	-

Creep Factor: 1.5
Max TC CSI: 0.269
Max BC CSI: 0.319
Max Web CSI: 0.799

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	249	/ 289	/ 100	/ -	/ 221	/ 4.0
V	2766	/ 476	/ 1486	/ -	/ -	/ 4.0
L	1380	/ 248	/ 871	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
V Min Brg Width Req = 1.9
L Min Brg Width Req = 1.5
Bearings B, V, & L are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	861	- 155	G - H	326	- 861
C - D	852	- 82	H - I	509	- 1612
D - E	1094	- 142	I - J	499	- 1516
E - F	673	- 41	J - K	495	- 1705
F - G	326	- 861	K - L	512	- 2107

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - W	209	- 706	P - O	1399	- 226
W - V	352	- 969	O - N	1741	- 355
T - S	282	- 636	N - L	1743	- 354
S - Q	1612	- 266			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - W	203	- 397	T - F	451	- 1582
W - D	681	- 236	F - S	1918	- 460
D - V	240	- 974	G - S	170	- 452
V - E	304	- 1250	S - H	241	- 1003
V - T	408	- 1145	Q - P	1506	- 248
E - T	1257	- 295	O - K	155	- 410

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X6 except as noted.

Purlins

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

Wind

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

Additional Notes

Negative reaction(s) of -289# MAX. from a non-wind load case requires uplift connection. See Maximum Reactions.

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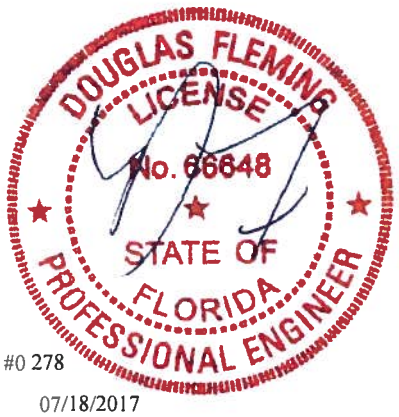

#0 278

07/18/2017

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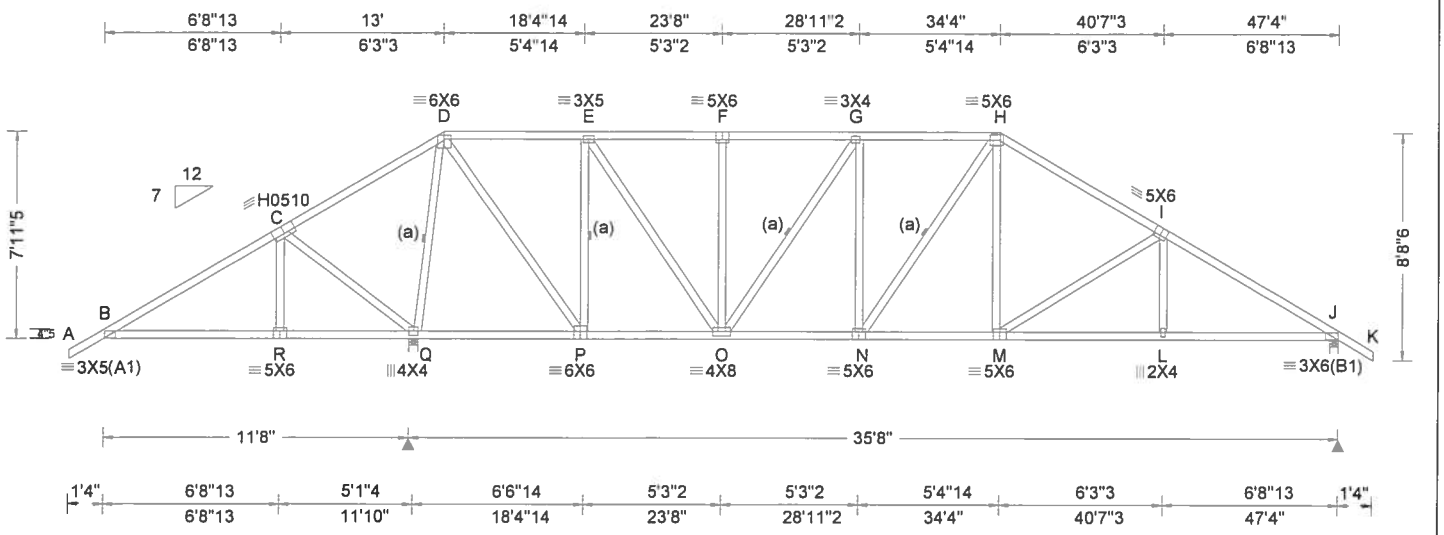
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A04	Ply: 1 Qty: 1	SEQN: 478636 / T4 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.30823 KM / DF 07/18/2017



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: 4.73 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.070 N	999	240
VERT(TL):	0.199 N	999	180
HORZ(LL):	0.020 L	-	-
HORZ(TL):	0.064 L	-	-

Creep Factor: 1.5
Max TC CSI: 0.391
Max BC CSI: 0.248
Max Web CSI: 0.822

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
Q	2739	/ 392	/ 1866	/ -	/ 252	/ 4.0
J	1476	/ 258	/ 924	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
Q Min Brg Width Req = 1.9
J Min Brg Width Req = 1.5
Bearings Q & 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	758	- 440	F - G	465	- 1226
C - D	1239	- 689	G - H	520	- 1478
D - E	412	- 660	H - I	526	- 1759
E - F	465	- 1226	I - J	552	- 2260

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - R	477	- 548	O - N	1477	- 228
R - Q	481	- 551	N - M	1430	- 197
Q - P	702	- 767	M - L	1863	- 335
P - O	704	- 246	L - J	1865	- 334

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - Q	442	- 585	E - O	1056	- 316
Q - D	780	- 2283	O - G	204	- 570
D - P	1676	- 489	H - M	446	- 83
P - E	429	- 1265	M - I	188	- 521

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

Left cantilever is exposed to wind

Additional Notes

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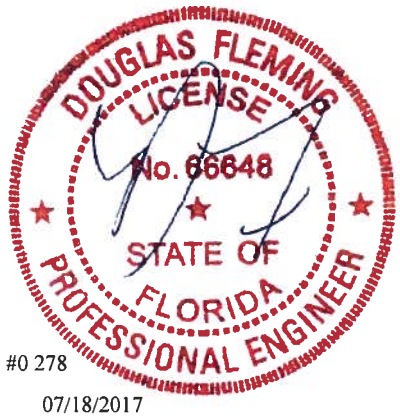

#0 278

07/18/2017

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ALPINE
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2400 Lake Orange Dr.
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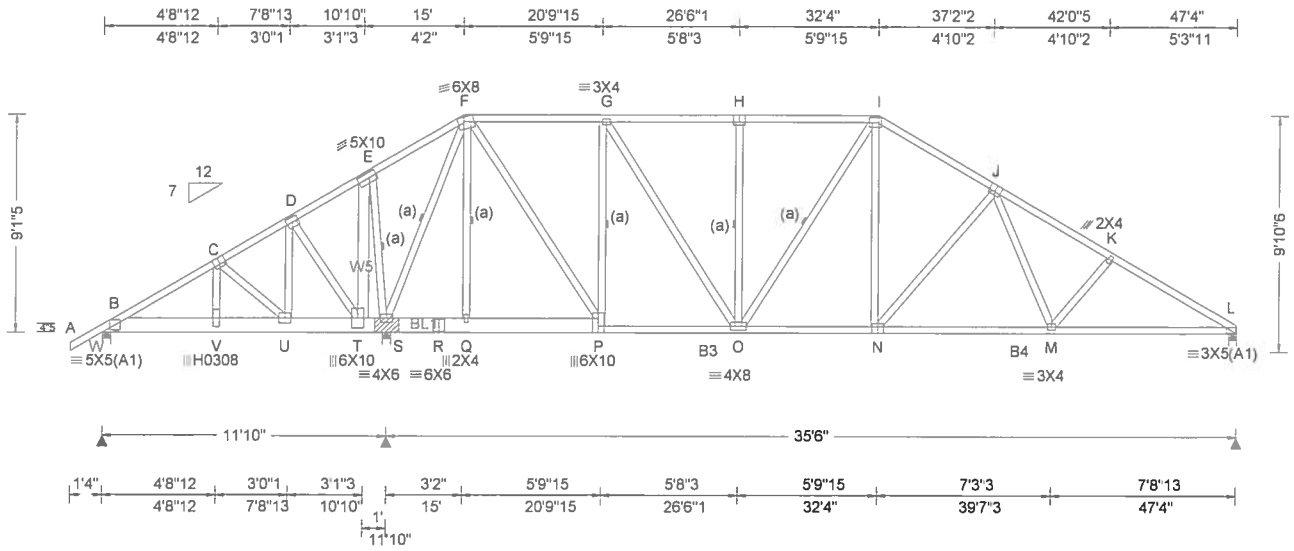
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A05	Ply: 1 Qty: 1	SEQN: 478628 / T19 HIPS FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.41553 KM / DF 07/18/2017



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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.73 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 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.067	N	999	240
VERT(TL): 0.172	N	999	180
HORZ(LL): 0.020	M	-	-
HORZ(TL): 0.051	M	-	-

Creep Factor: 1.5
Max TC CSI: 0.227
Max BC CSI: 0.313
Max Web CSI: 0.870

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
W	1134	/ 180	/ -	/ -	/ -	/ 4.0
S	7726	/ 1113	/ -	/ -	/ -	/ 4.0
L	1249	/ 236	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
W Min Brg Width Req = 1.5
S Min Brg Width Req = -
L Min Brg Width Req = 1.5
Bearings W, S, & L are a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	228	- 1679	G - H	177	- 924
C - D	215	- 764	H - I	177	- 924
D - E	542	- 119	I - J	266	- 1314
E - F	1296	- 226	J - K	346	- 1857
F - G	94	- 627	K - L	424	- 2052

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - V	1397	- 175	Q - P	87	- 538
V - U	1371	- 172	P - O	648	- 104
U - T	543	- 186	O - N	1069	- 203
T - S	114	- 636	N - M	1395	- 272
S - R	84	- 532	M - L	1707	- 338
R - Q	84	- 532			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
V - C	977	- 107	F - Q	117	- 386
C - U	161	- 1042	F - P	1522	- 281
U - D	1735	- 272	P - G	283	- 1122
D - T	245	- 1513	G - O	840	- 139
T - E	3498	- 426	I - N	535	- 21
E - S	472	- 3301	N - J	108	- 510
S - F	346	- 1889	J - M	418	0

Lumber
Value Set: 13B (Effective 6/1/2013)
Top chord 2x4 SP M-31
Bot chord 2x8 SP M-31 :B3, B4 2x4 SP M-31:
Webs 2x4 SP #3 :W5 2x6 SP M-31:
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

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

TC- From	63 plf at	-1.33 to	63 plf at	5.16
TC- From	32 plf at	5.16 to	32 plf at	10.83
TC- From	63 plf at	10.83 to	63 plf at	15.00
TC- From	63 plf at	15.00 to	63 plf at	26.51
TC- From	63 plf at	26.51 to	63 plf at	32.33
TC- From	63 plf at	32.33 to	63 plf at	37.33
TC- From	63 plf at	37.33 to	63 plf at	47.33
BC- From	5 plf at	-1.33 to	5 plf at	0.00
BC- From	20 plf at	0.00 to	20 plf at	4.73
BC- From	10 plf at	4.73 to	10 plf at	11.83
BC- From	20 plf at	11.83 to	20 plf at	20.68
BC- From	20 plf at	20.68 to	20 plf at	32.33
BC- From	20 plf at	32.33 to	20 plf at	47.33

BC- 802 lb Conc. Load at 4.73
BC- 502 lb Conc. Load at 6.48, 8.48, 10.48
BC- 3913 lb Conc. Load at 10.83

Plating Notes
All plates are 5X6 except as noted.

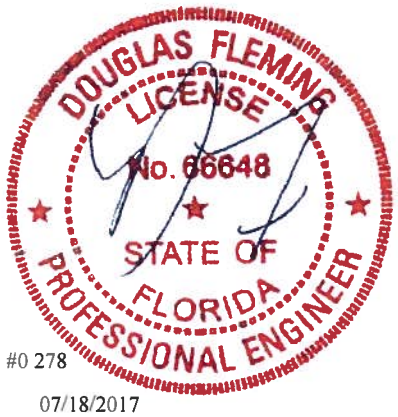
Purlins
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind
Wind loads and reactions based on MWFRS.

Bearing Block(s)
Brg blocks:0.131"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
2	11.667'	1	12"	19	Rigid Surface

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP1014 for more information.



#0 278
07/18/2017

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Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A05	Ply: 1 Qty: 1	SEQN: 478628 / T19 HIPS FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.41553 KM / DF 07/18/2017

Additional Notes

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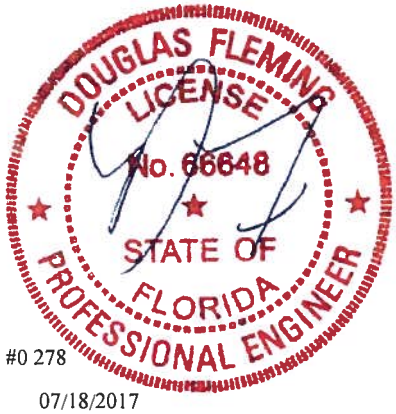

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07/18/2017

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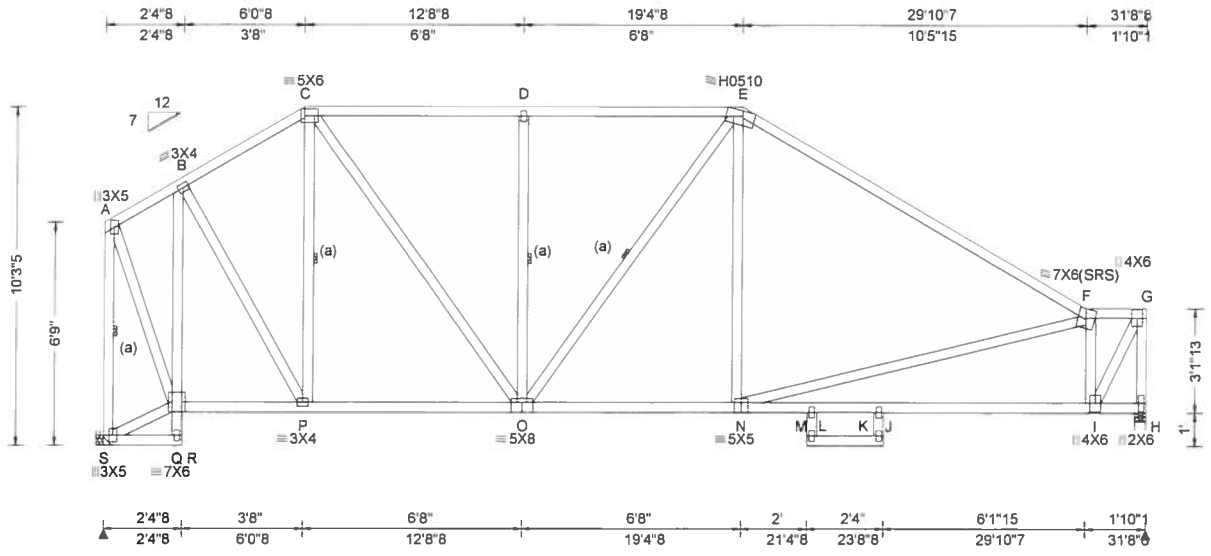
ALPINE
A DIVISION OF ITW BUILDING COMPONENTS GROUP INC.
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A06	Ply: 1 Qty: 1	SEQN: 478614 / T23 COMN FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.53157 KM / DF 07/18/2017



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: 16.31 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL):	0.136 J	999	240
VERT(TL):	0.578 J	658	180
HORZ(LL):	0.021 H	-	-
HORZ(TL):	-0.063 M	-	-

Creep Factor: 1.5
Max TC CSI: 0.540
Max BC CSI: 0.409
Max Web CSI: 0.804

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1318	/ 123	/ 678	/ -	/ 141	/ -
H	1318	/ 105	/ 745	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
S Min Brg Width Req = -
H Min Brg Width Req = 1.5
Bearing H is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	141	- 516	D - E	399	- 1145
B - C	300	- 904	E - F	402	- 1527
C - D	399	- 1145	F - G	224	- 871

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	431	- 88	N - L	1011	- 269
P - O	744	- 95	L - K	1007	- 269
O - N	1174	- 217	K - I	1011	- 269

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	314	- 1289	C - O	672	- 185
A - Q	1069	- 244	D - O	148	- 383
Q - B	275	- 927	F - I	459	- 1389
B - P	650	- 148	I - G	1828	- 468
C - P	149	- 465	G - H	306	- 1405

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

#0 278

07/18/2017

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AN ITW COMPANY
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Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A06	Ply: 1 Qty: 1	SEQN: 478614 / T23 COMN FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.53157 KM / DF 07/18/2017

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

#0 278

07/18/2017

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ALPINE
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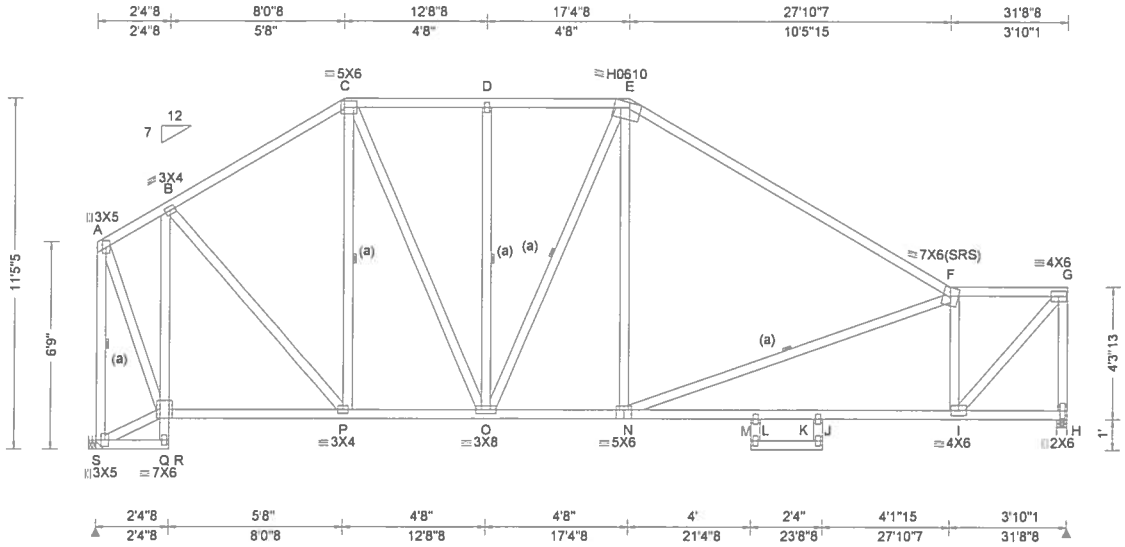
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A07	Ply: 1 Qty: 1	SEQN: 478612 / T5 COMN FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0728.58387 KM / DF 07/18/2017	



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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: 17.47 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
Rep Factors Used: Yes
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE, HS

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.147	J	999	240
VERT(TL): 0.622	J	612	180
HORZ(LL): 0.021	I	-	-
HORZ(TL): 0.055	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.558
Max BC CSI: 0.391
Max Web CSI: 0.837

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1318	/ 89	/ 689	/ -	/ 151	/ -
H	1318	/ 87	/ 722	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
S Min Brg Width Req = -
H Min Brg Width Req = 1.5
Bearing H is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	144	- 512	D - E	386	- 991
B - C	341	- 1019	E - F	399	- 1418
C - D	386	- 991	F - G	307	- 1164

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	448	- 121	N - L	1245	- 334
P - O	802	- 132	L - K	1237	- 334
O - N	1081	- 213	K - I	1245	- 334

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	326	- 1292	E - N	419	- 20
A - Q	1110	- 273	F - I	380	- 1140
Q - B	286	- 942	I - G	1760	- 464
B - P	551	- 105	G - H	348	- 1324
C - O	451	- 124			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

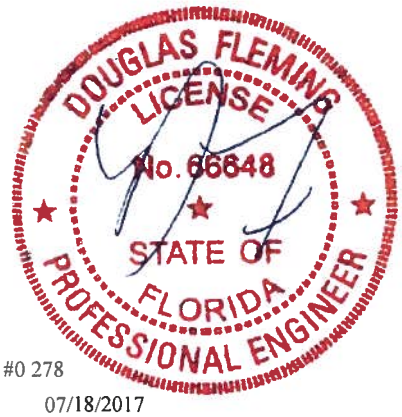
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

End verticals not exposed to wind pressure.

Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)



#0 278

07/18/2017

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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
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

#0 278
07/18/2017

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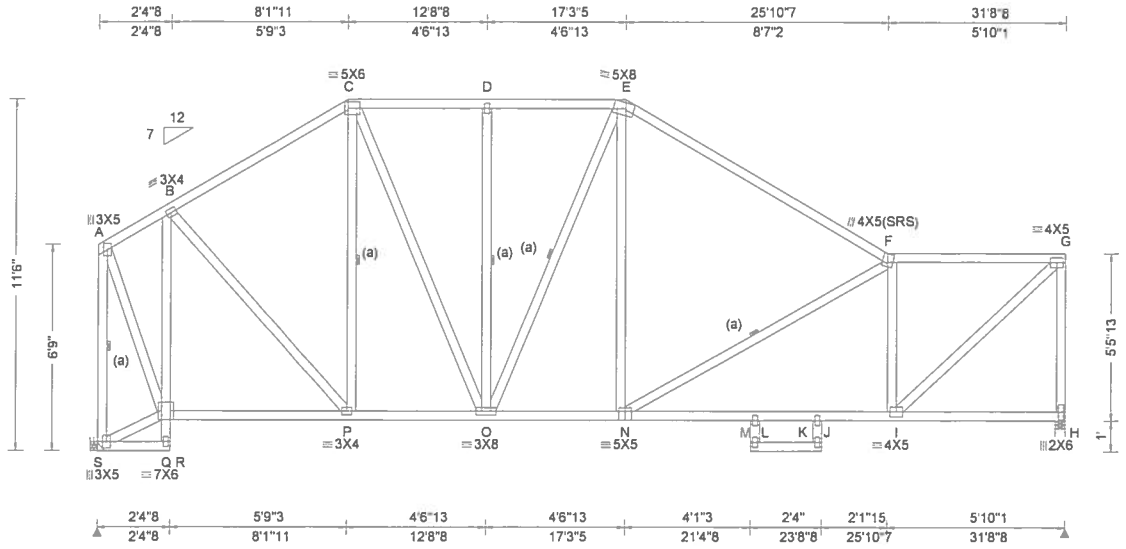
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A08	Ply: 1 Qty: 1	SEQN: 478610 / T14 COMN FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.03337 KM / DF 07/18/2017	



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: 18.09 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
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): 0.095	M	999	240
VERT(TL): 0.356	M	999	180
HORZ(LL): 0.024	J	-	-
HORZ(TL): 0.070	J	-	-

Creep Factor: 1.5
Max TC CSI: 0.320
Max BC CSI: 0.304
Max Web CSI: 0.840

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1318	/ 95	/ 697	/ -	/ 131	/ -
H	1318	/ 135	/ 697	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
S Min Brg Width Req = -
H Min Brg Width Req = 1.5
Bearing H is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	151	- 512	D - E	391	- 990
B - C	348	- 1023	E - F	408	- 1360
C - D	391	- 989	F - G	334	- 1232

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	449	- 117	N - L	1287	- 353
P - O	803	- 172	L - K	1283	- 353
O - N	1055	- 241	K - I	1287	- 353

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	346	- 1292	E - N	409	- 45
A - Q	1114	- 291	F - I	339	- 992
Q - B	283	- 944	I - G	1687	- 457
B - P	545	- 98	G - H	374	- 1281
C - O	454	- 124			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

#0 278

07/18/2017

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

#0 278

07/18/2017

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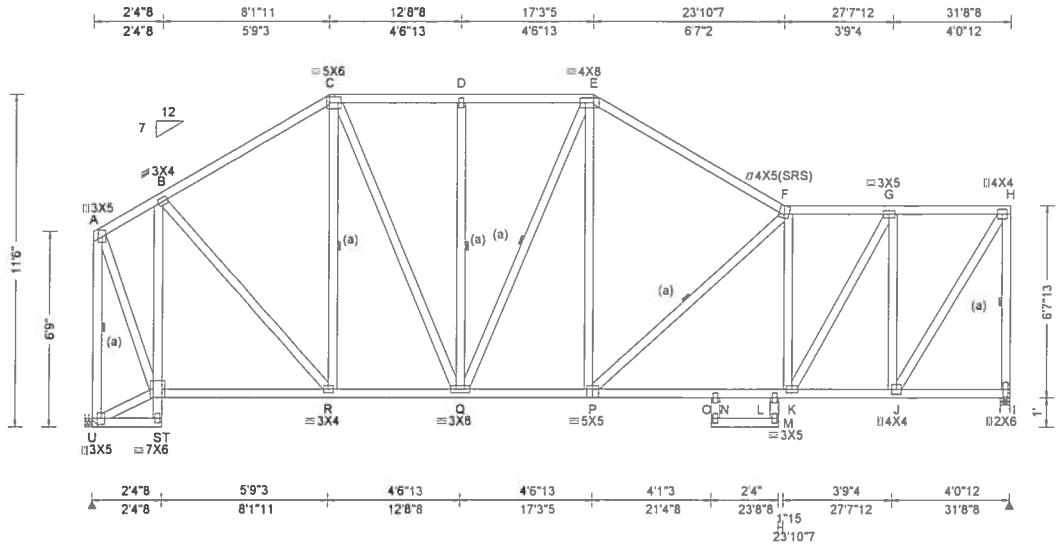
ALPINE
A TRUSS COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A09	Ply: 1 Qty: 1	SEQN: 478608 / T21 COMN FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.08530 KM / DF 07/18/2017	



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**	**▲Maximum Reactions (lbs)**
TCLL: 20.00 TCDL: 10.00 BCLL: 0.00 BCDL: 10.00 Des Ld: 40.00 NCBCLL: 10.00 Soffit: 2.00 Load Duration: 1.25 Spacing: 24.0 "	Wind Std: ASCE 7-10 Speed: 130 mph Enclosure: Closed Risk Category: II EXP: C Mean Height: 18.22 ft TCDL: 5.0 psf BCDL: 5.0 psf MWFRS Parallel Dist: h to 2h C&C Dist a: 3.17 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 2014 RES TPI Std: 2007 Rep Factors Used: Yes FT/RT:20(0)/10(0) Plate Type(s): WAVE	PP Deflection in loc L/defl L/# VERT(LL): 0.069 O 999 240 VERT(TL): 0.204 O 999 180 HORZ(LL): 0.025 L - - HORZ(TL): 0.071 O - - Creep Factor: 1.5 Max TC CSI: 0.196 Max BC CSI: 0.212 Max Web CSI: 0.866 VIEW Ver: 16.02.01B.0131.17	Loc R / U / Rw / Rh / RL / W U 1318 / 105 / 707 / - / 120 / - I 1318 / 179 / 674 / - / - / 4.0 Wind reactions based on MWFRS U Min Brg Width Req = - I Min Brg Width Req = 1.5 Bearing I 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	158	-512	E - F	413	-1307
B - C	349	-1023	F - G	344	-1218
C - D	393	-993	G - H	203	-721
D - E	393	-993			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	450	-151	N - M	1252	-355
R - Q	803	-209	M - K	1252	-356
Q - P	1041	-272	K - J	771	-219
P - N	1252	-356			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - U	362	-1292	F - K	257	-743
A - S	1114	-305	K - G	962	-269
S - B	276	-944	G - J	340	-1099
B - R	544	-91	J - H	1375	-388
C - Q	464	-124	H - I	390	-1284
E - P	403	-63			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

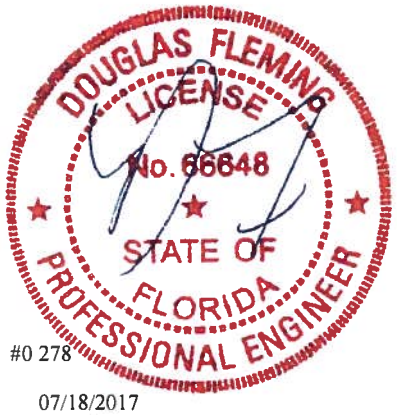
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

End verticals not exposed to wind pressure.

Laterally brace BC above filler @ 24" O.C. (or as designed) Including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)



#0 278

07/18/2017

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ALPINE
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Orlando FL, 32837

Hangers / Ties

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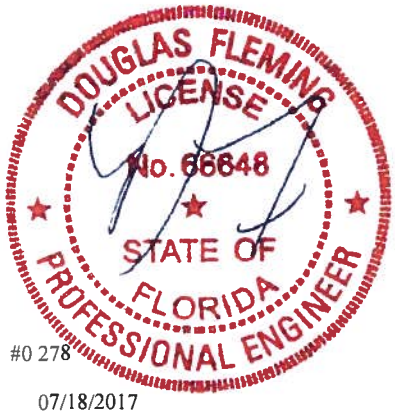
Hanger specified assumes connection to supporting chord is located a minimum of five times the depth of the supporting chord from any unsupported end, unless unsupported chord end has 85% plating coverage.

Bearing at location x=0' uses the following support conditions:
Bearing U (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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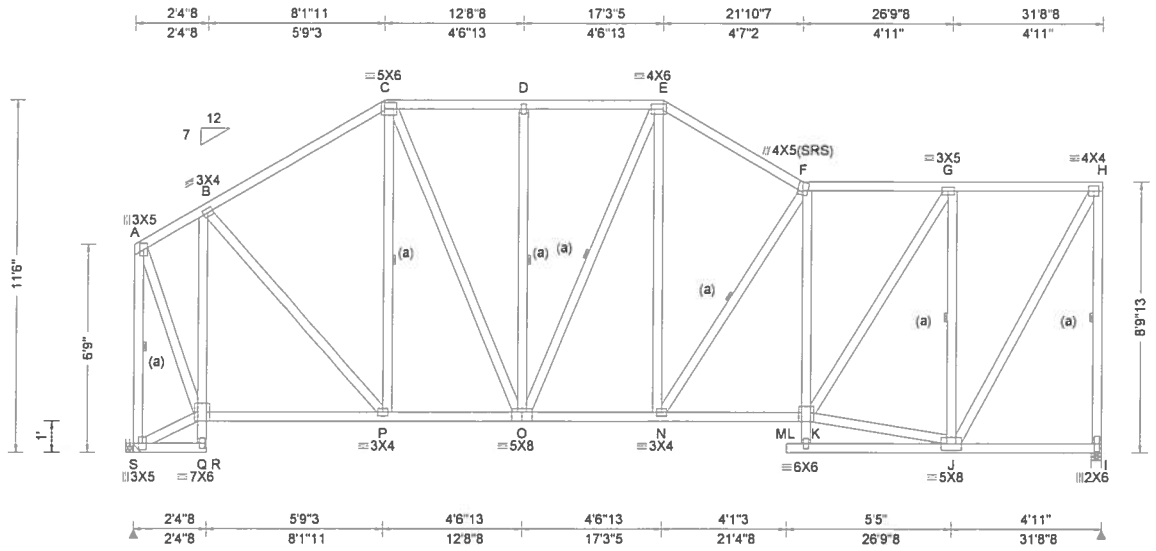
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A10	Ply: 1 Qty: 1	SEQN: 478606 / T25 COMN FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.10810 KM / DF 07/18/2017



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: 18.22 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
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): 0.059	F	999	240
VERT(TL): 0.154	F	999	180
HORZ(LL): 0.025	J	-	-
HORZ(TL): 0.066	J	-	-

Creep Factor: 1.5
Max TC CSI: 0.156
Max BC CSI: 0.177
Max Web CSI: 0.841

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1318	/ 118	/ 718	/ -	/ 112	/ -
I	1318	/ 219	/ 663	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
S Min Brg Width Req = -
I Min Brg Width Req = 1.5
Bearing I 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	163	- 512	E - F	417	- 1263
B - C	349	- 1023	F - G	364	- 1211
C - D	392	- 995	G - H	196	- 664
D - E	392	- 995			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	450	- 193	O - N	1031	- 301
P - O	802	- 246	N - K	1225	- 368

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	376	- 1292	F - K	209	- 560
A - Q	1115	- 317	K - G	989	- 303
Q - B	267	- 944	K - J	680	- 201
B - P	543	- 84	G - J	405	- 1195
C - O	471	- 121	J - H	1329	- 391
E - N	409	- 88	H - I	406	- 1279

Lumber
Value Set: 13B (Effective 6/1/2013)
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP #3
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

Plating Notes
All plates are 2X4 except as noted.

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

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

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
#0 278
07/18/2017

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ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

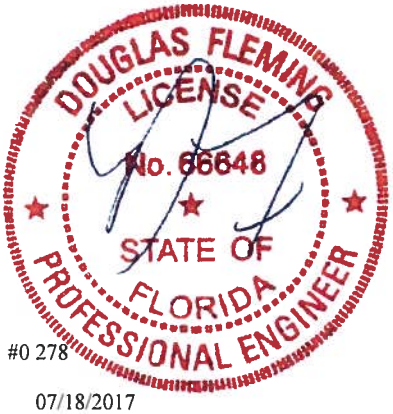
Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A10	Ply: 1 Qty: 1	SEQN: 478606 / T25 COMN FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.10810 KM / DF 07/18/2017

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x6 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.



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07/18/2017

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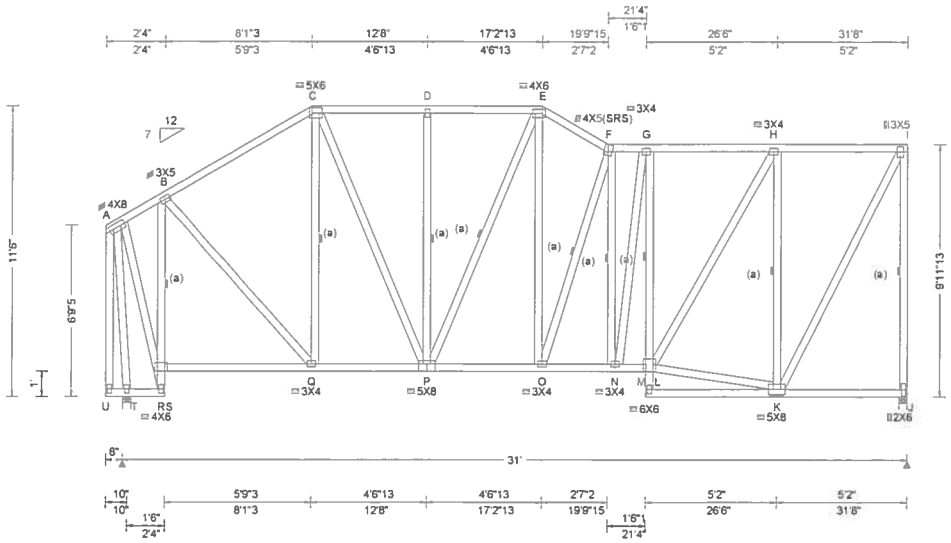
ALPINE
A TTW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A11	Ply: 1 Qty: 1	SEQN: 478547 / T13 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.12713 KM / DF 07/18/2017



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: 18.23 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
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): 0.060	F	999	240
VERT(TL): 0.156	F	999	180
HORZ(LL): -0.019	C	-	-
HORZ(TL): -0.044	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.173
Max BC CSI: 0.195
Max Web CSI: 0.877

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
T	1352	/ 132	/ 764	/ -	/ 103	/ 4.0
J	1281	/ 252	/ 649	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
T Min Brg Width Req = 1.5
J Min Brg Width Req = 1.5
Bearings T & 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	320	- 923	F - G	341	- 1061
C - D	369	- 927	G - H	330	- 1030
D - E	369	- 927	H - I	182	- 590
E - F	397	- 1150			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	716	- 262	O - N	1071	- 344
P - O	975	- 316	N - L	1047	- 336

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - T	318	- 924	G - L	171	- 421
A - R	1060	- 307	L - H	852	- 287
R - B	313	- 1095	L - K	601	- 188
B - Q	680	- 119	H - K	403	- 1118
C - Q	100	- 392	K - I	1254	- 387
C - P	516	- 124	I - J	410	- 1241
E - O	412	- 102			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Left cantilever is exposed to wind

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0 278
07/18/2017

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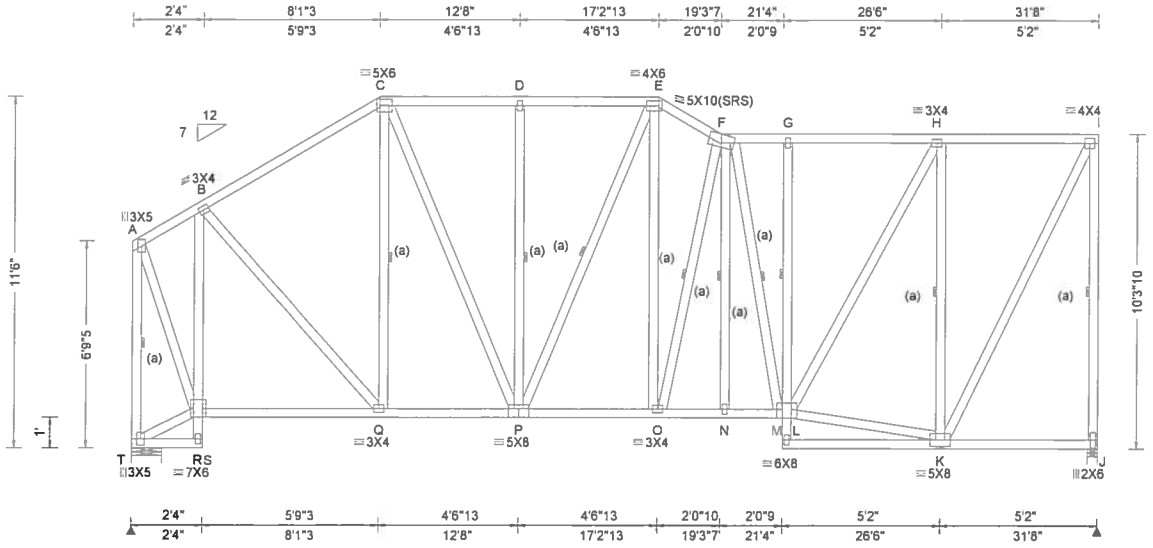
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A12	Ply: 1 Qty: 1	SEQN: 478527 / T22 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.14283 KM / DF 07/18/2017



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: 18.23 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.17 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 2014 RES
TPI Std: 2007
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): 0.058	F	999	240
VERT(TL): 0.153	F	999	180
HORZ(LL): 0.024	C	-	-
HORZ(TL): 0.063	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.170
Max BC CSI: 0.176
Max Web CSI: 0.948

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
T	1317	/ 138	/ 735	/ -	/ 101	/ 12.0
J	1317	/ 265	/ 670	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
T Min Brg Width Req = 1.5
J Min Brg Width Req = 1.5
Bearings T & 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.
A - B	166	- 501	E - F	407	- 1195
B - C	342	- 1018	F - G	333	- 1034
C - D	380	- 993	G - H	332	- 1032
D - E	380	- 993	H - I	182	- 589

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
R - Q	442	- 247	O - N	1100	- 357
Q - P	798	- 291	N - L	1103	- 357
P - O	1025	- 333			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - T	391	- 1290	L - H	885	- 299
A - R	1117	- 332	L - K	598	- 187
R - B	253	- 950	H - K	414	- 1152
B - Q	548	- 70	K - I	1284	- 397
C - P	475	- 110	I - J	422	- 1276
E - O	415	- 102			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

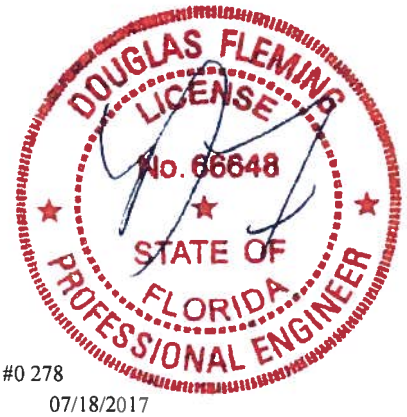
Purlins

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

Wind

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

End verticals not exposed to wind pressure.



#0 278
07/18/2017

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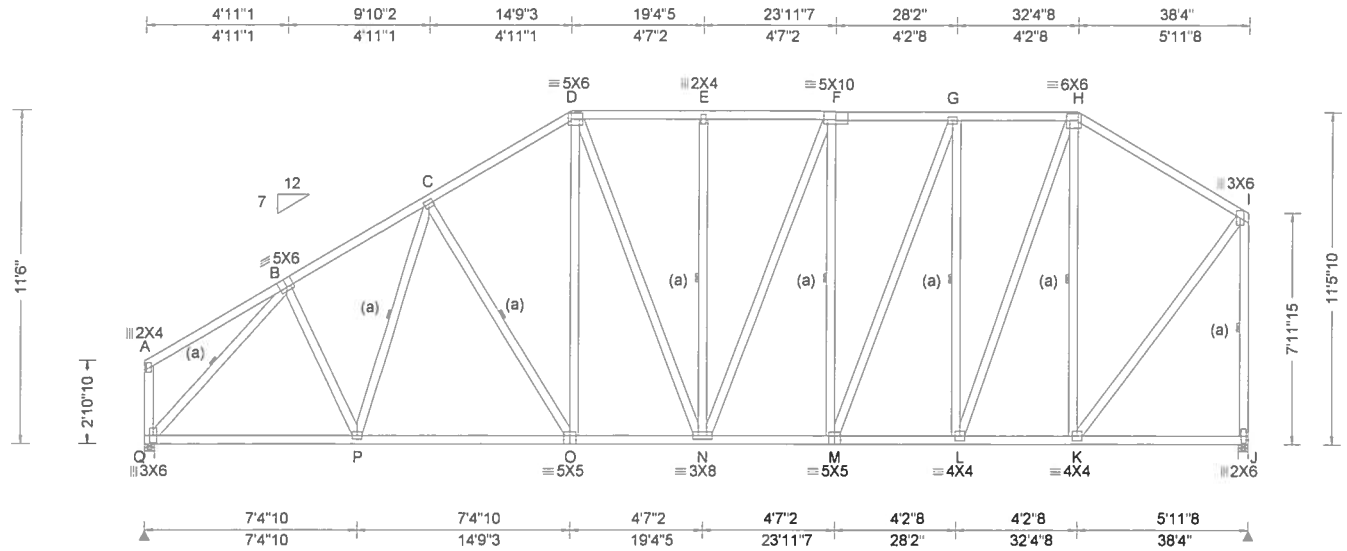
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A13	Ply: 1 Qty: 1	SEQN: 478546 / T49 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.16217 KM / DF 07/18/2017



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: 16.29 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.83 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 2014 RES
TPI Std: 2007
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): 0.069	E	999	240
VERT(TL): 0.180	E	999	180
HORZ(LL): 0.028	C	-	-
HORZ(TL): 0.074	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.211
Max BC CSI: 0.317
Max Web CSI: 0.634

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
Q	1594	/ 38	/ 964	/ -	/ 193	/ 4.0
J	1594	/ -	/ 847	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
Q Min Brg Width Req = 1.5
J Min Brg Width Req = 1.5
Bearings Q & 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	448	- 1685	F - G	412	- 1290
C - D	471	- 1597	G - H	327	- 1061
D - E	451	- 1375	H - I	232	- 938
E - F	451	- 1375			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1266	- 402	N - M	1289	- 290
P - O	1415	- 396	M - L	1081	- 211
O - N	1307	- 326	L - K	741	- 128

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
Q - B	364	- 1872	L - H	933	- 227
F - M	231	- 476	H - K	183	- 829
M - G	608	- 230	K - I	1209	- 208
G - L	225	- 810	I - J	337	- 1546

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0 278
07/18/2017

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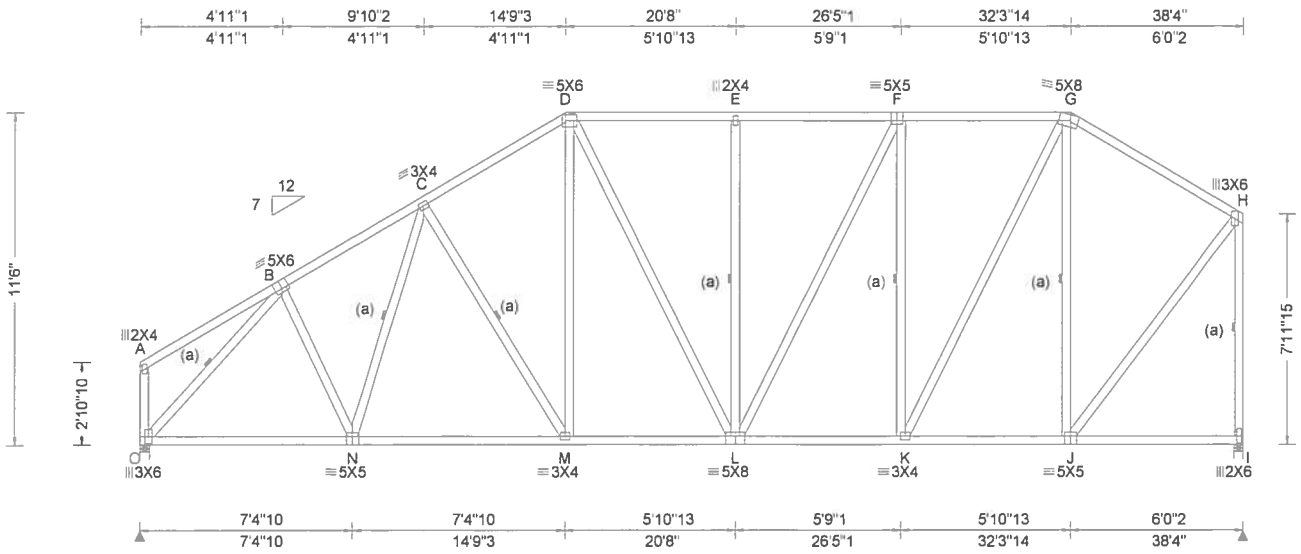
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A14	Ply: 1 Qty: 1	SEQN: 478562 / T44 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.17590 KM / DF 07/18/2017	



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):	0.066 E	999	240	
BCLL:	0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL):	0.172 E	999	180	
BCDL:	10.00	Risk Category: II	Snow Duration: NA	HORZ(LL):	0.026 C	-	-	
Des Ld:	40.00	EXP: C		HORZ(TL):	0.069 C	-	-	
NCBCLL:	10.00	Mean Height: 16.29 ft	**Code / Misc Criteria**	Creep Factor: 1.5				
Soffit:	2.00	TCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.211				
Load Duration: 1.25		BCDL: 5.0 psf	TPI Std: 2007	Max BC CSI: 0.306				
Spacing: 24.0 "		MWFRS Parallel Dist: h to 2h	Rep Factors Used: Yes	Max Web CSI: 0.768				
		C&C Dist a: 3.83 ft	FT/RT:20(0)/10(0)					
		Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 16.02.01B.0131.17				
		GCpi: 0.18	WAVE					
		Wind Duration: 1.60						

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
O	1594	/ 103	/ 950	/ -	/ 193	/ 4.0
I	1594	/ 139	/ 812	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
O Min Brg Width Req = 1.5
I Min Brg Width Req = 1.5
Bearings O & 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	481	- 1685	E - F	486	- 1374
C - D	506	- 1597	F - G	430	- 1174
D - E	487	- 1375	G - H	303	- 944

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1265	- 425	L - K	1192	- 313
N - M	1414	- 420	K - J	747	- 191
M - L	1311	- 354			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
O - B	397	- 1871	G - J	265	- 821
L - F	407	- 125	J - H	1212	- 310
F - K	243	- 717	H - I	448	- 1546
K - G	933	- 253			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

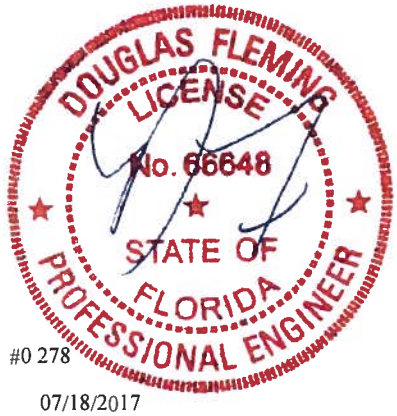
Purlins

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

Wind

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

End verticals not exposed to wind pressure.



#0 278

07/18/2017

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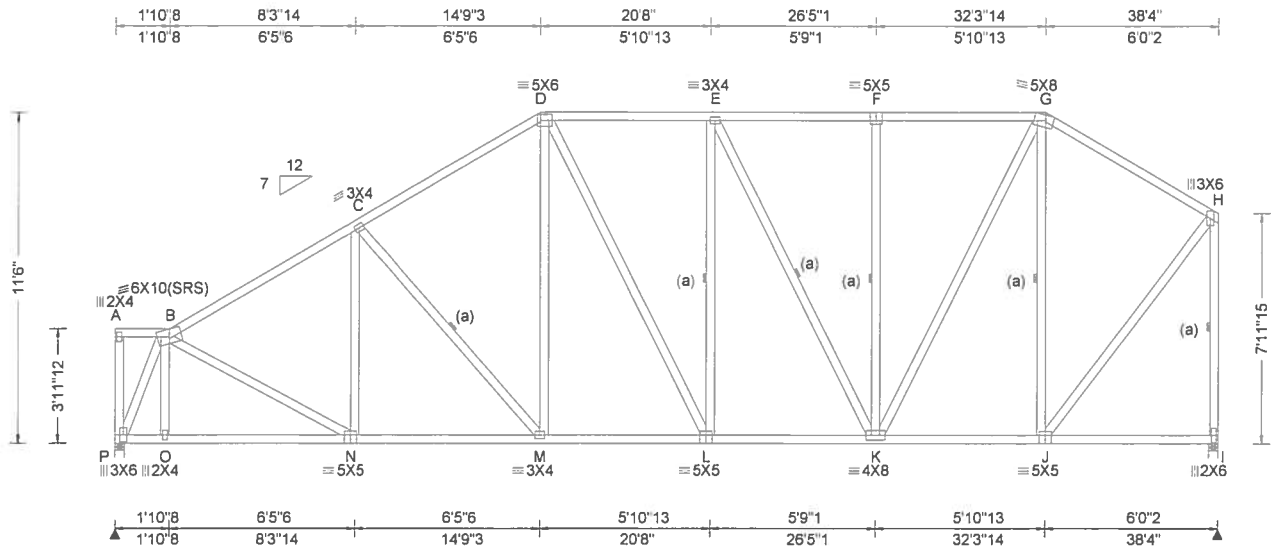
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com; TPI: www.tpinst.org, SBCA: www.sbcindustry.com; ICC www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A15	Ply: 1 Qty: 1	SEQN: 478532 / T37 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.23837 KM / DF 07/18/2017



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: 16.83 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.83 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 2014 RES
TPI Std: 2007
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 E	999	240
VERT(TL):	0.148 E	999	180
HORZ(LL):	0.024 C	-	-
HORZ(TL):	0.062 C	-	-

Creep Factor: 1.5
Max TC CSI: 0.232
Max BC CSI: 0.242
Max Web CSI: 0.779

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
P	1594	/ 94	/ 920	/ -	/ 172	/ 4.0
I	1594	/ 140	/ 813	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
P Min Brg Width Req = 1.5
I Min Brg Width Req = 1.5
Bearings P & 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	446	- 1744	E - F	436	- 1185
C - D	509	- 1631	F - G	436	- 1185
D - E	488	- 1373	G - H	305	- 944

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
P - O	785	- 308	M - L	1312	- 355
O - N	781	- 309	L - K	1372	- 365
N - M	1444	- 436	K - J	747	- 192

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
P - B	405	- 1723	G - J	266	- 818
B - N	759	- 155	J - H	1212	- 312
E - K	133	- 419	H - I	452	- 1546
K - G	939	- 256			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

#0 278

07/18/2017

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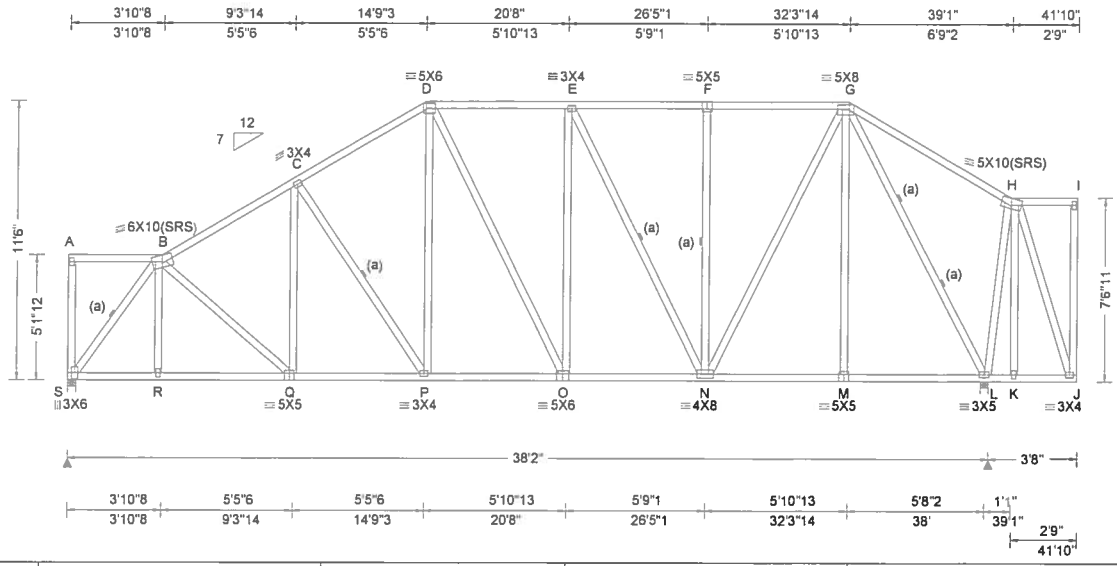
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A16	Ply: 1 Qty: 1	SEQN: 478550 / T45 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.25243 KM / DF 07/18/2017



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: 17.42 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
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): 0.053	O	999	240
VERT(TL): 0.141	O	999	180
HORZ(LL): 0.024	L	-	-
HORZ(TL): 0.063	J	-	-

Creep Factor: 1.5
Max TC CSI: 0.248
Max BC CSI: 0.202
Max Web CSI: 0.942

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1572	/ 73	/ 878	/ -	/ 155	/ 4.0
L	1915	/ 246	/ 1064	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	467	- 1692	E - F	434	- 1138
C - D	519	- 1574	F - G	434	- 1138
D - E	490	- 1332			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1136	- 369	O - N	1331	- 352
R - Q	1133	- 370	N - M	662	- 158
Q - P	1406	- 414	M - L	661	- 158
P - O	1280	- 341			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	471	- 1818	F - N	174	- 398
E - N	135	- 440	G - L	382	- 1557
N - G	1029	- 293	L - H	228	- 380

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 2X4 except as noted.

Purlins

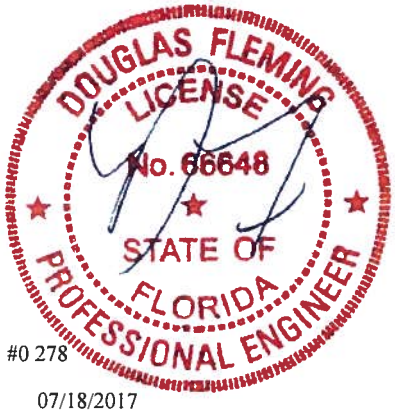
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

End verticals not exposed to wind pressure.

Right cantilever is exposed to wind



#0 278

07/18/2017

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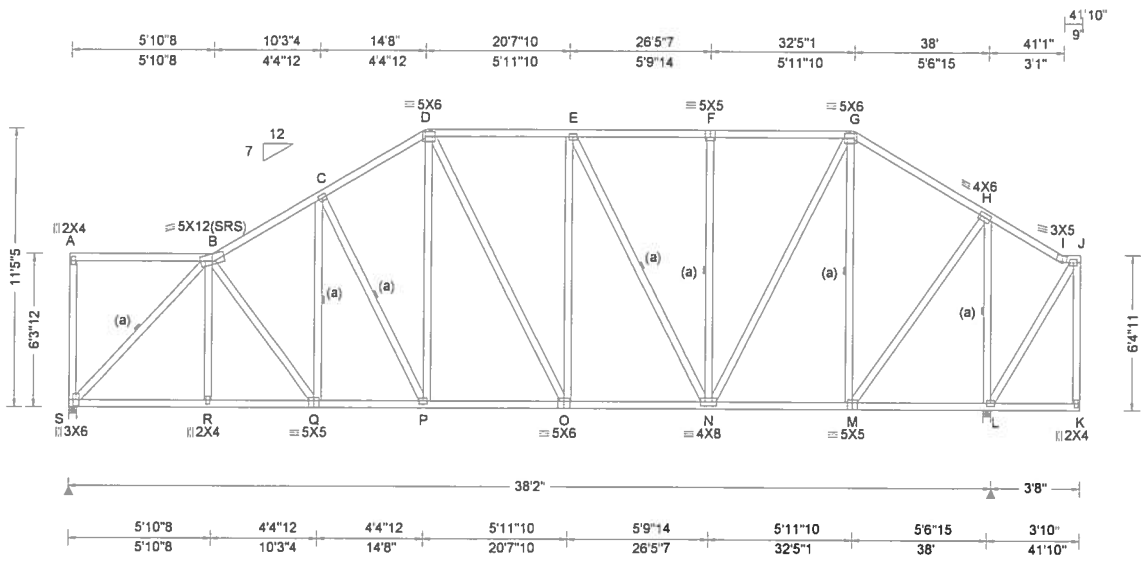
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A17	Ply: 1 Qty: 1	SEQN: 478510 / T47 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.26550 KM / DF 07/18/2017



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: 17.97 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
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): 0.060	O	999	240
VERT(TL): 0.158	O	999	180
HORZ(LL): 0.025	C	-	-
HORZ(TL): 0.065	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.262
Max BC CSI: 0.204
Max Web CSI: 0.814

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1578	/ 125	/ 850	/ -	/ 140	/ 4.0
L	1907	/ 192	/ 1099	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	494	- 1670	E - F	455	- 1154
C - D	541	- 1563	F - G	455	- 1155
D - E	513	- 1353	G - H	335	- 883

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1314	- 365	P - O	1291	- 320
R - Q	1311	- 365	O - N	1352	- 340
Q - P	1395	- 377	N - M	690	- 156

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
S - B	518	- 1879	G - M	228	- 850
E - N	130	- 445	M - H	1176	- 259
N - G	993	- 269	H - L	497	- 1712

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Right cantilever is exposed to wind

#0 278

07/18/2017

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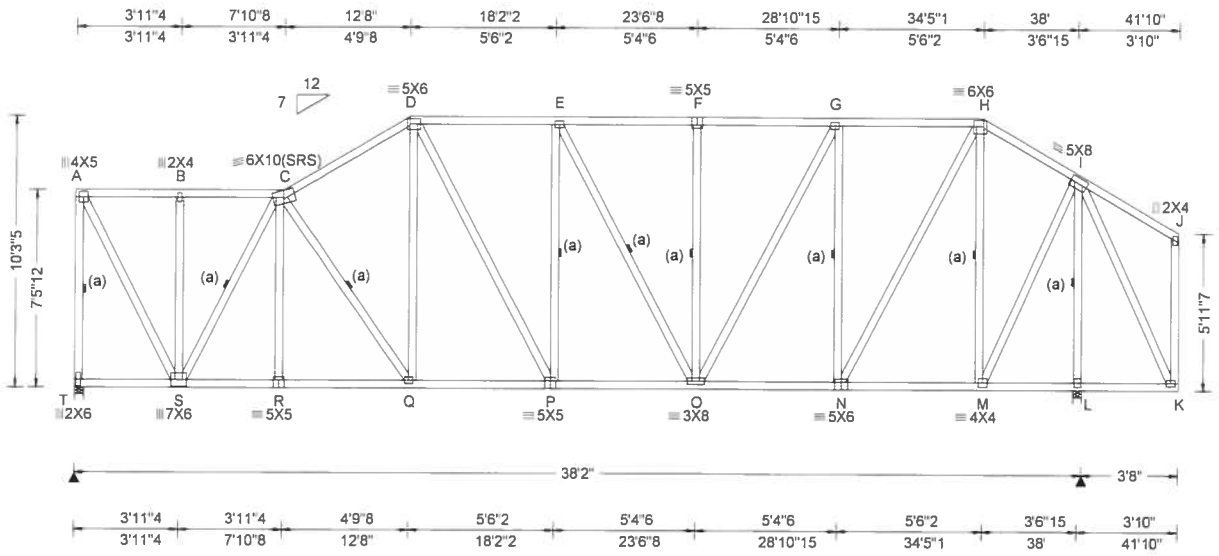
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A18	Ply: 1 Qty: 1	SEQN: 478535 / T46 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.28903 KM / DF 07/18/2017



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
Mean Height: 17.21 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
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): 0.078	F	999	240
VERT(TL): 0.204	F	999	180
HORZ(LL): 0.026	A	-	-
HORZ(TL): 0.068	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.150
Max BC CSI: 0.194
Max Web CSI: 0.812

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
T	1572	/ 190	/ 810	/ -	/ 106	/ 4.0
L	1915	/ 202	/ 1112	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	232	- 787	E - F	503	- 1414
B - C	232	- 787	F - G	503	- 1414
C - D	515	- 1627	G - H	412	- 1075
D - E	529	- 1501	H - I	266	- 629

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	1378	- 357	P - O	1506	- 381
R - Q	1376	- 357	O - N	1103	- 270
Q - P	1346	- 336	N - M	498	- 110

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - T	476	- 1536	N - H	1229	- 332
A - S	1637	- 482	H - M	294	- 1086
S - C	358	- 1229	M - I	1276	- 296
O - G	679	- 177	L - I	545	- 1806
G - N	307	- 968			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 3X4 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Right cantilever is exposed to wind

#0 278

07/18/2017

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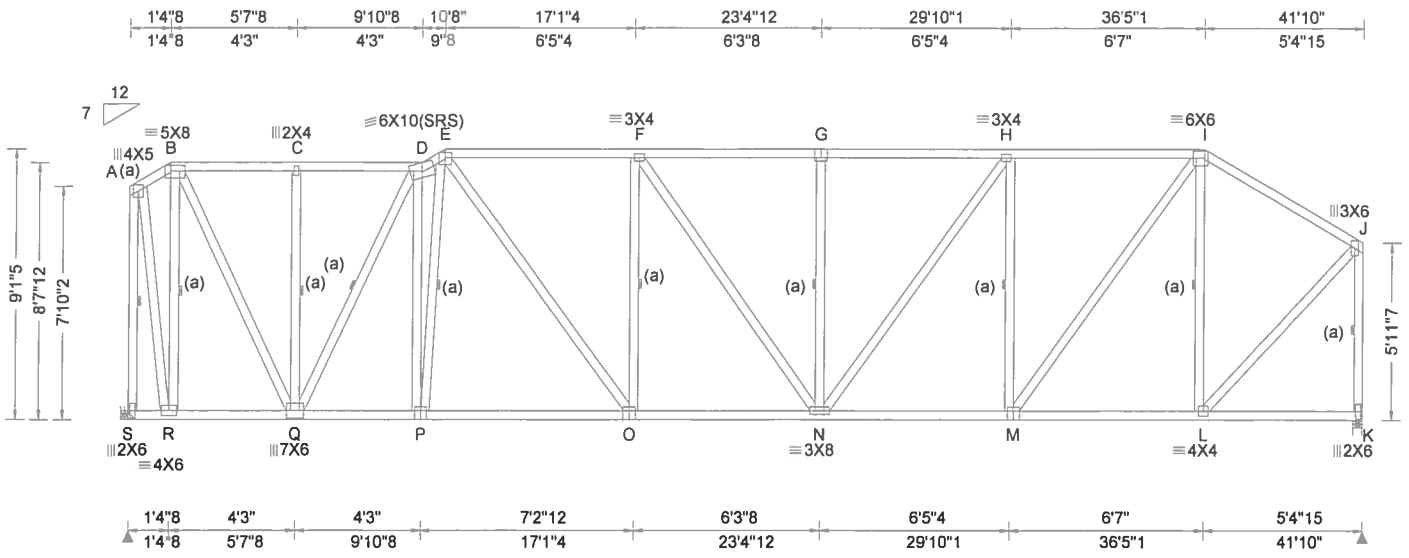
For more information see this job's general notes page and these web sites ALPINE www.alpineitw.com, TPI www.tpinst.org, SBCA www.sbcindustry.com, ICC www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A19	Ply: 1 Qty: 1	SEQN: 478554 / T48 SPEC FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.31527 KM / DF 07/18/2017	



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: 16.62 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
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): 0.110	G	999	240
VERT(TL): 0.289	G	999	180
HORZ(LL): 0.029	L	-	-
HORZ(TL): 0.076	L	-	-

Creep Factor: 1.5
Max TC CSI: 0.218
Max BC CSI: 0.291
Max Web CSI: 0.787

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1739	/ 340	/ 874	/ -	/ 70	/ -
K	1739	/ 318	/ 933	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
S Min Brg Width Req = -
K Min Brg Width Req = 1.5
Bearing K is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - C	328	- 1030	F - G	627	- 2060
C - D	328	- 1030	G - H	627	- 2060
D - E	537	- 1778	H - I	542	- 1703
E - F	617	- 2018	I - J	353	- 1182

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
Q - P	1584	- 384	N - M	1732	- 437
P - O	1588	- 389	M - L	962	- 242
O - N	2033	- 509			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - S	499	- 1709	N - H	566	- 144
A - R	1531	- 445	H - M	276	- 883
B - R	462	- 1477	M - I	1254	- 317
B - Q	1663	- 481	I - L	272	- 869
Q - D	340	- 1221	L - J	1389	- 349
E - O	739	- 198	J - K	475	- 1698
O - F	182	- 460			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Plating Notes

All plates are 5X5 except as noted.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

#0 278

07/18/2017

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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
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A19	Ply: 1 Qty: 1	SEQN: 478554 / T48 SPEC FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.31527 KM / DF 07/18/2017

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing S (0', 9'1"2) HUS26
Supporting Member: (2)2x8 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

#0 278

07/18/2017

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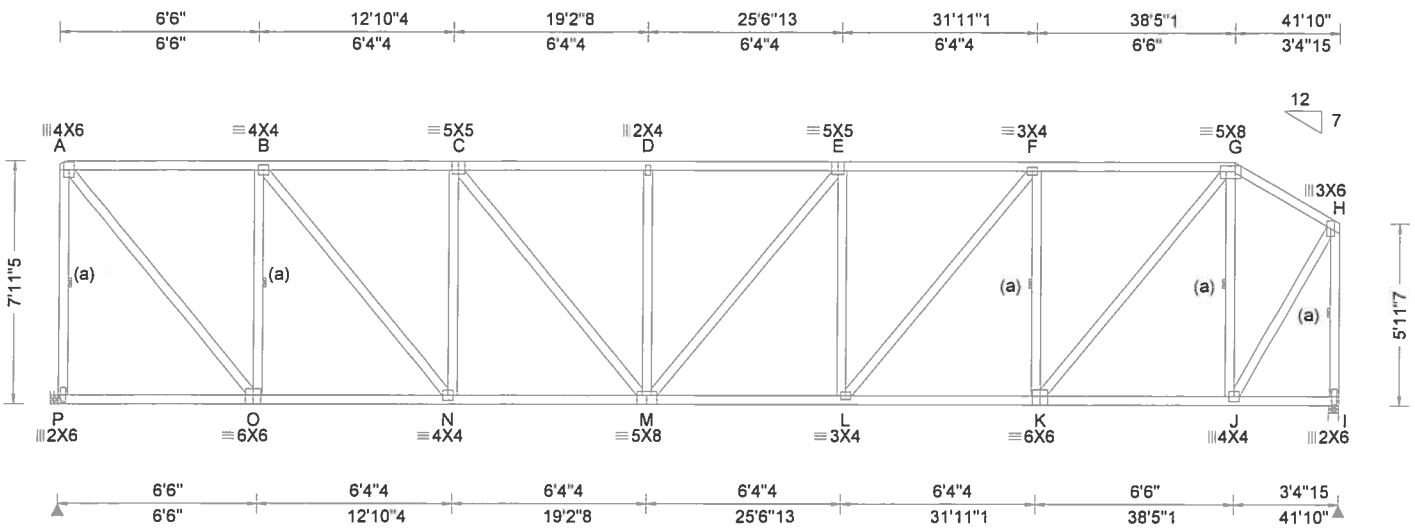
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A20	Ply: 1 Qty: 1	SEQN: 478516 / T56 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.33600 KM / DF 07/18/2017



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: 16.04 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 13.00 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 2014 RES
TPI Std: 2007
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):	0.131	D	999	240
VERT(TL):	0.344	D	999	180
HORZ(LL):	0.037	A	-	-
HORZ(TL):	0.097	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.292
Max BC CSI: 0.284
Max Web CSI: 0.987

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
P	1739	/ 337	/ 864	/ -	/ 57	/ -
I	1739	/ 316	/ 911	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
P Min Brg Width Req = -
I Min Brg Width Req = 1.5
Bearing I 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	338	- 1262	E - F	629	- 2278
B - C	541	- 2036	F - G	507	- 1734
C - D	647	- 2396	G - H	259	- 890
D - E	647	- 2396			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1315	- 280	L - K	1774	- 445
N - M	2066	- 477	K - J	740	- 189
M - L	2297	- 561			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	484	- 1687	E - L	167	- 507
A - O	1976	- 529	L - F	811	- 188
O - B	430	- 1380	F - K	315	- 1067
B - N	1160	- 310	K - G	1554	- 382
N - C	263	- 784	G - J	329	- 1110
C - M	524	- 152	J - H	1428	- 364
D - M	154	- 399	H - I	463	- 1721

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing P (0', 9'1"2) HUS26
Supporting Member: (2)2x8 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

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

Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.13" DL: 0.21". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

#0 278

07/18/2017

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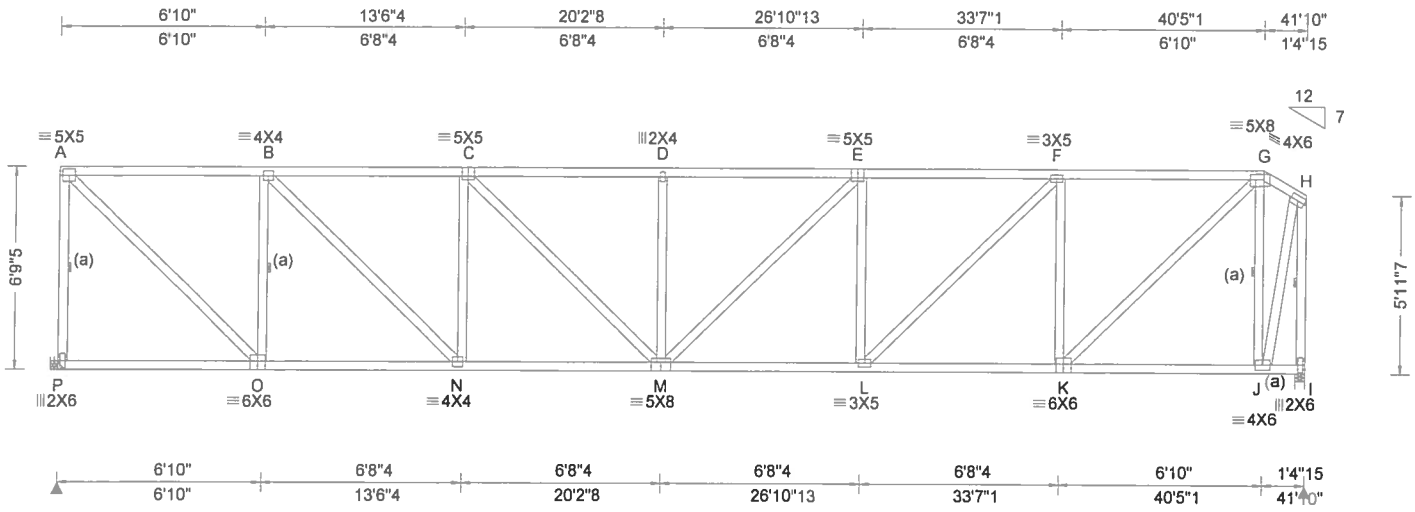
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A21	Ply: 1 Qty: 1	SEQN: 478538 / T20 HIPM FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.34810 KM / DF 07/18/2017



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: 15.46 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 6.50 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 2014 RES
TPI Std: 2007
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): 0.164	D	999	240
VERT(TL): 0.428	D	999	180
HORZ(LL): 0.046	A	-	-
HORZ(TL): 0.121	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.330
Max BC CSI: 0.319
Max Web CSI: 0.995

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
P	1739	/ 330	/ 859	/ -	/ 23	/ -
I	1739	/ 319	/ 880	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
P Min Brg Width Req = -
I Min Brg Width Req = 1.5
Bearing I 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	402	- 1556	E - F	674	- 2598
B - C	630	- 2473	F - G	484	- 1796
C - D	731	- 2847	G - H	115	- 429
D - E	731	- 2847			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
O - N	1617	- 391	L - K	1850	- 471
N - M	2506	- 611	K - J	394	- 104
M - L	2626	- 654			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - P	476	- 1685	E - L	205	- 624
A - O	2167	- 559	L - F	1065	- 256
O - B	414	- 1361	F - K	360	- 1217
B - N	1218	- 308	K - G	1950	- 488
N - C	241	- 735	G - J	440	- 1472
C - M	480	- 128	J - H	1621	- 428
D - M	160	- 420	H - I	449	- 1750

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing P (0', 9'1"2) HUS26
Supporting Member: (2)2x8 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Purlins

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

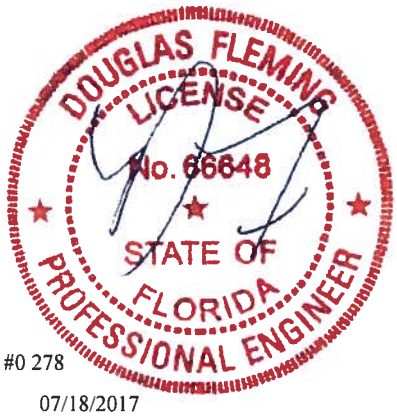
Wind

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

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.16" DL: 0.26". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.



#0 278

07/18/2017

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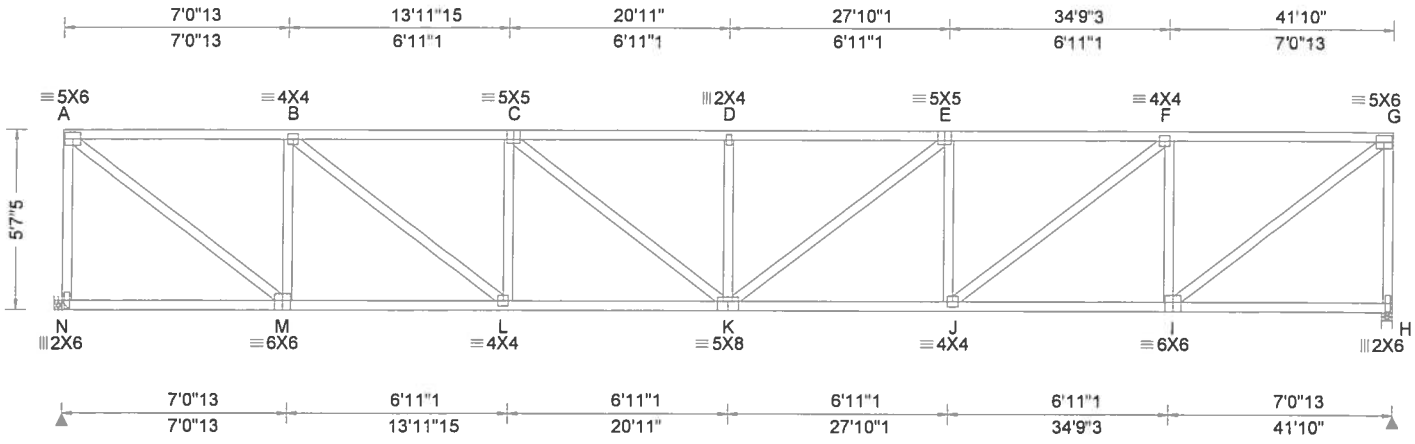
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A22	Ply: 1 Qty: 1	SEQN: 478557 / T54 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.36827 KM / DF 07/18/2017



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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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 4.18 ft
Loc. from endwall: not in 6.50 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 2014 RES
TPI Std: 2007
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): 0.211	D	999	240
VERT(TL): 0.528	D	951	180
HORZ(LL): 0.055	A	-	-
HORZ(TL): 0.138	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.333
Max BC CSI: 0.352
Max Web CSI: 0.903

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
N	1673	/ 322	/ 858	/ -	/ -	/ -
H	1673	/ 322	/ 858	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
N Min Brg Width Req = -
H Min Brg Width Req = 1.5
Bearing H is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	492	- 1880	D - E	862	- 3347
B - C	761	- 2955	E - F	761	- 2955
C - D	862	- 3347	F - G	492	- 1880

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1950	- 514	K - J	2992	- 773
L - K	2992	- 773	J - I	1950	- 514

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	466	- 1617	K - E	452	- 130
A - M	2370	- 620	E - J	226	- 670
M - B	404	- 1292	J - F	1288	- 326
B - L	1288	- 326	F - I	404	- 1292
L - C	226	- 670	I - G	2370	- 620
C - K	452	- 130	G - H	466	- 1617
D - K	165	- 416			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

Bearing at location x=0' uses the following support conditions:
Bearing N (0', 9'1"2) HUS26
Supporting Member: (2)2x8 SP M-31
(14) 0.148"x3" nails into supporting member,
(4) 0.148"x3" nails into supported member.

Wind

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

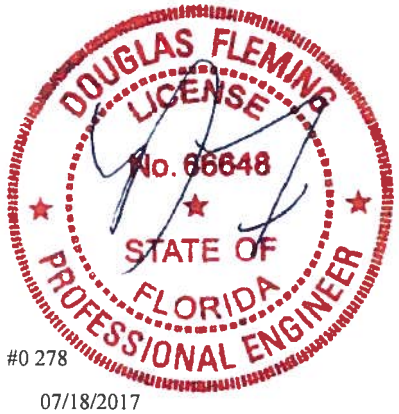
End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.21" DL: 0.31". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.



#0 278

07/18/2017

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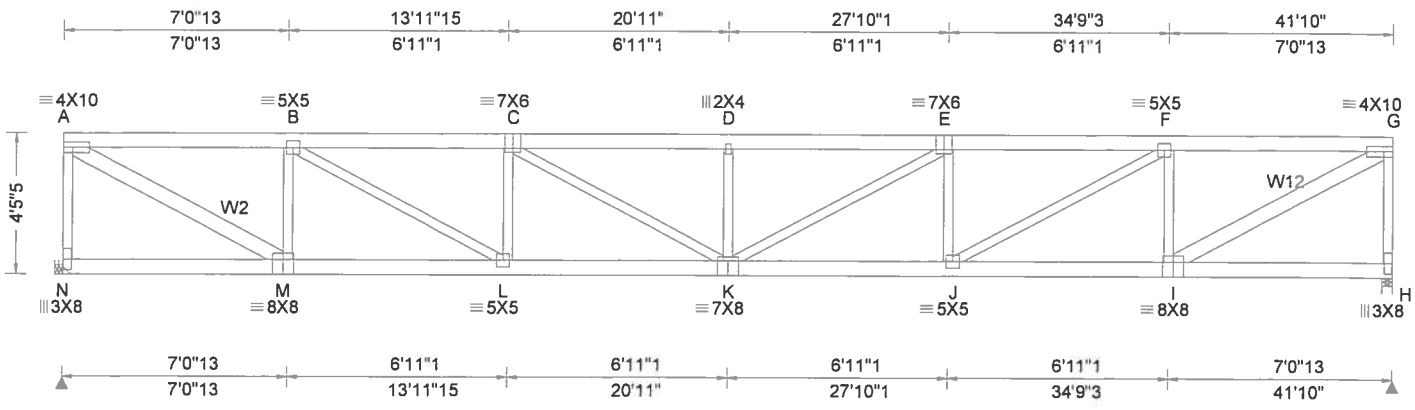
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** A23	Ply: 2 Qty: 1	SEQN: 478587 / T29 MONO FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.38503 KM / DF 07/18/2017	

2 Complete Trusses Required



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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 4.18 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 2014 RES
TPI Std: 2007
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): 0.291	D	999	240
VERT(TL): 0.728	D	689	180
HORZ(LL): 0.062	A	-	-
HORZ(TL): 0.154	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.233
Max BC CSI: 0.426
Max Web CSI: 0.818

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
N	4245	/ 1003	/ -	/ -	/ -	/ -
H	4183	/ 987	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
N Min Brg Width Req = -
H Min Brg Width Req = 1.7
Bearing H is a rigid surface.

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	776	- 3289	D - E	1406	- 5943
B - C	1238	- 5246	E - F	1215	- 5151
C - D	1406	- 5943	F - G	767	- 3254

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	3406	- 810	K - J	5211	- 1234
L - K	5306	- 1258	J - I	3370	- 801

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - N	507	- 2038	K - E	848	- 199
A - M	3787	- 893	E - J	266	- 828
M - B	463	- 1607	J - F	2078	- 483
B - L	2146	- 499	F - I	459	- 1581
L - C	275	- 827	I - G	3747	- 884
C - K	738	- 172	G - H	499	- 2012
D - K	204	- 494			

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x6 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP #3 :W2, W12 2x6 SP M-31:

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Nailnote

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

Special Loads

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

TC- From	30 plf at	0.00 to	30 plf at	14.14
TC- From	30 plf at	14.14 to	30 plf at	27.69
TC- From	30 plf at	27.69 to	30 plf at	41.83
BC- From	10 plf at	0.00 to	10 plf at	6.92
BC- From	10 plf at	6.92 to	10 plf at	20.92
BC- From	10 plf at	20.92 to	10 plf at	34.91
BC- From	10 plf at	34.91 to	10 plf at	41.83

TC- 191 lb Conc. Load at 1.81, 3.81, 5.81, 7.81 9.81,11.81,13.81,15.81,17.81,18.06,19.90,21.90 23.90,25.90,27.90,29.90,31.90,33.90,35.90,37.90 39.90

BC- 130 lb Conc. Load at 1.81, 3.81, 5.81, 7.81 9.81,11.81,13.81,15.81,17.81,18.06,19.90,21.90 23.90,25.90,27.90,29.90,31.90,33.90,35.90,37.90 39.90

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

Deflection

Max JT VERT DEFL: LL: 0.29" DL: 0.43". See detail DEFLCAMB1014 for camber recommendations. Provide for adequate drainage of roof.

Additional Notes

Truss must be installed as shown with top chord up.

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07/18/2017

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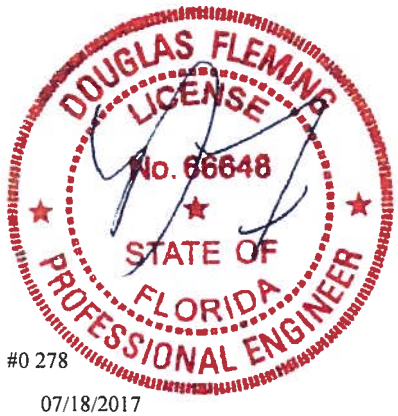
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing N (0', 9'1"2) HGUS28-2
Supporting Member: (2)2x8 SP M-31
(36) 0.162"x3.5" nails into supporting member,
(6) 0.162"x3.5" nails into supported member.

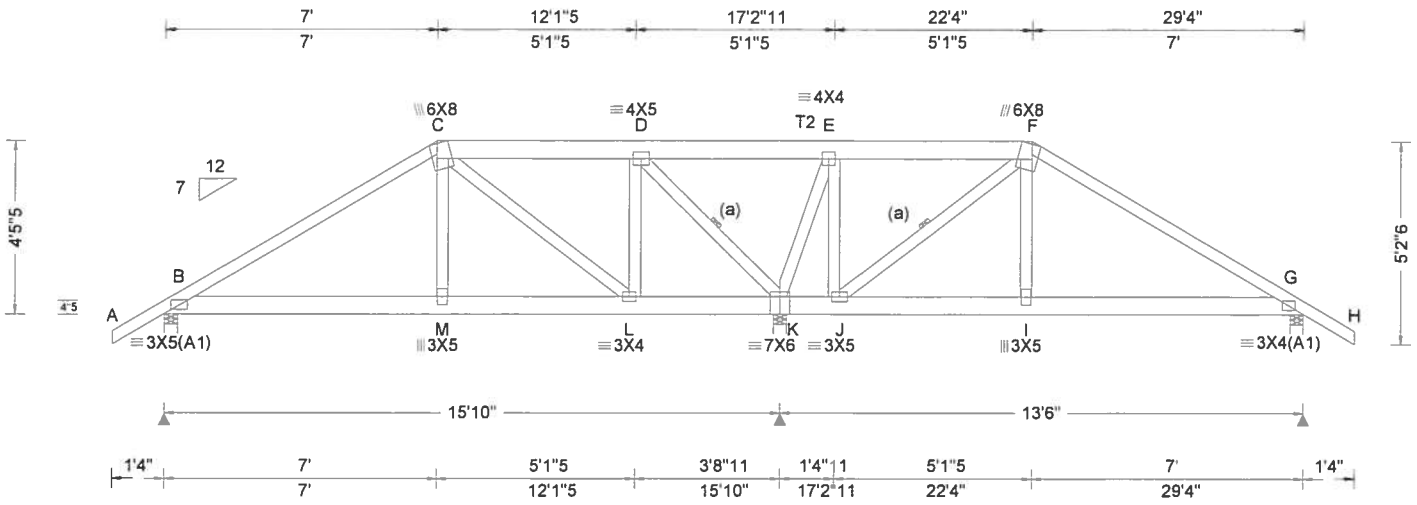


#0 278

07/18/2017

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** B01	Ply: 1 Qty: 1	SEQN: 478589 / T30 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.39690 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.029	M	999	240
VERT(TL): 0.075	M	999	180
HORZ(LL): 0.012	I	-	-
HORZ(TL): 0.030	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.207
Max BC CSI: 0.181
Max Web CSI: 0.668

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	1220	/ 272	/ -	/ -	/ -	/ 4.0
K	3603	/ 829	/ -	/ -	/ -	/ 4.0
G	940	/ 205	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
K Min Brg Width Req = 3.0
G Min Brg Width Req = 1.5
Bearings B, 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.
B - C	406	- 1790	D - E	638	- 161
C - D	172	- 798	F - G	275	- 1241

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - M	1468	- 318	J - I	1019	- 206
M - L	1494	- 319	I - G	992	- 204
L - K	736	- 165			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - M	715	- 34	K - E	436	- 1690
C - L	191	- 907	E - J	896	- 128
L - D	831	- 83	J - F	292	- 1365
D - K	488	- 2028	I - F	727	- 34

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at -1.33 to 63 plf at 7.00
TC- From 32 plf at 7.00 to 32 plf at 22.33
TC- From 63 plf at 22.33 to 63 plf at 30.67
BC- From 5 plf at -1.33 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 15.83
BC- From 10 plf at 15.83 to 10 plf at 22.30
BC- From 20 plf at 22.30 to 20 plf at 29.33
BC- From 5 plf at 29.33 to 5 plf at 30.67
TC- 271 lb Conc. Load at 7.03,22.30
TC- 191 lb Conc. Load at 9.06,11.06,13.06,14.67 16.27,18.27,20.27
BC- 482 lb Conc. Load at 7.03,22.30
BC- 130 lb Conc. Load at 9.06,11.06,13.06,14.67 16.27,18.27,20.27

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

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07/18/2017

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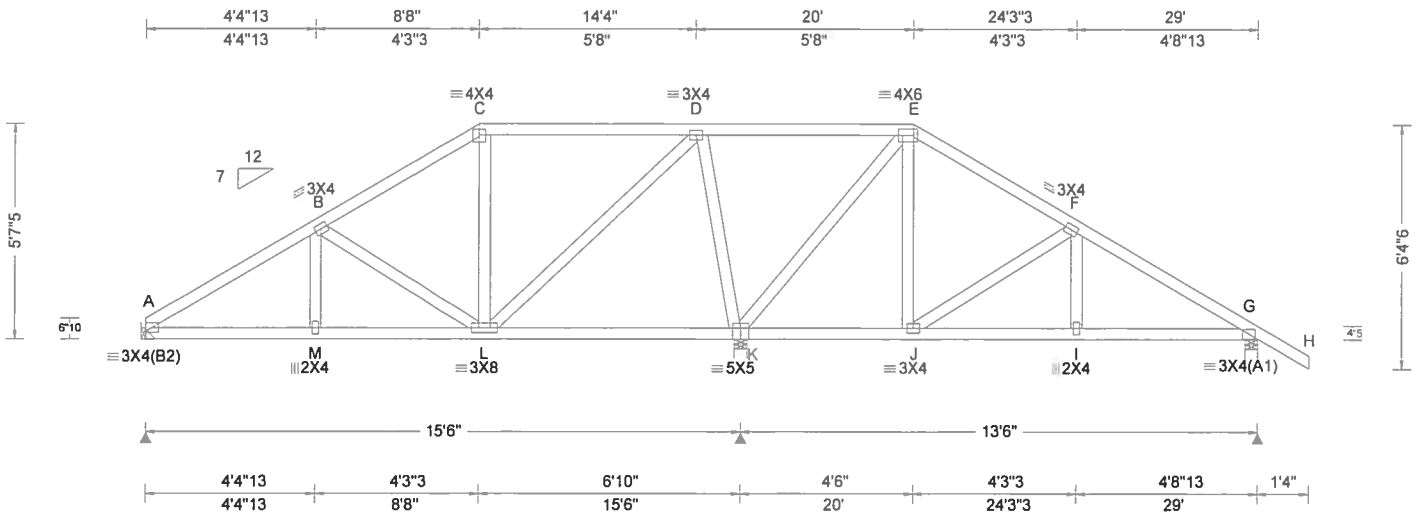
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** B02	Ply: 1 Qty: 1	SEQN: 478592 / T65 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.40723 KM / DF 07/18/2017



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
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 2014 RES
TPI Std: 2007
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): 0.012	M	999	240
VERT(TL): 0.034	M	999	180
HORZ(LL): 0.005	I	-	-
HORZ(TL): 0.012	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.254
Max BC CSI: 0.155
Max Web CSI: 0.581

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	550	/ 95	/ 324	/ -	/ 155	/ -
K	1456	/ 239	/ 767	/ -	/ -	/ 4.0
G	559	/ 103	/ 378	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = -
K Min Brg Width Req = 1.5
G Min Brg Width 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	195	- 756	F - G	140	- 593
B - C	171	- 445			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	591	- 125	J - I	454	- 46
M - L	590	- 126	I - G	456	- 46

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
L - D	604	- 116	K - E	138	- 639
D - K	251	- 862	J - F	137	- 387

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing A (0', 9'1"2) LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

Wind

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

#0 278
07/18/2017

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2400 Lake Orange Dr.
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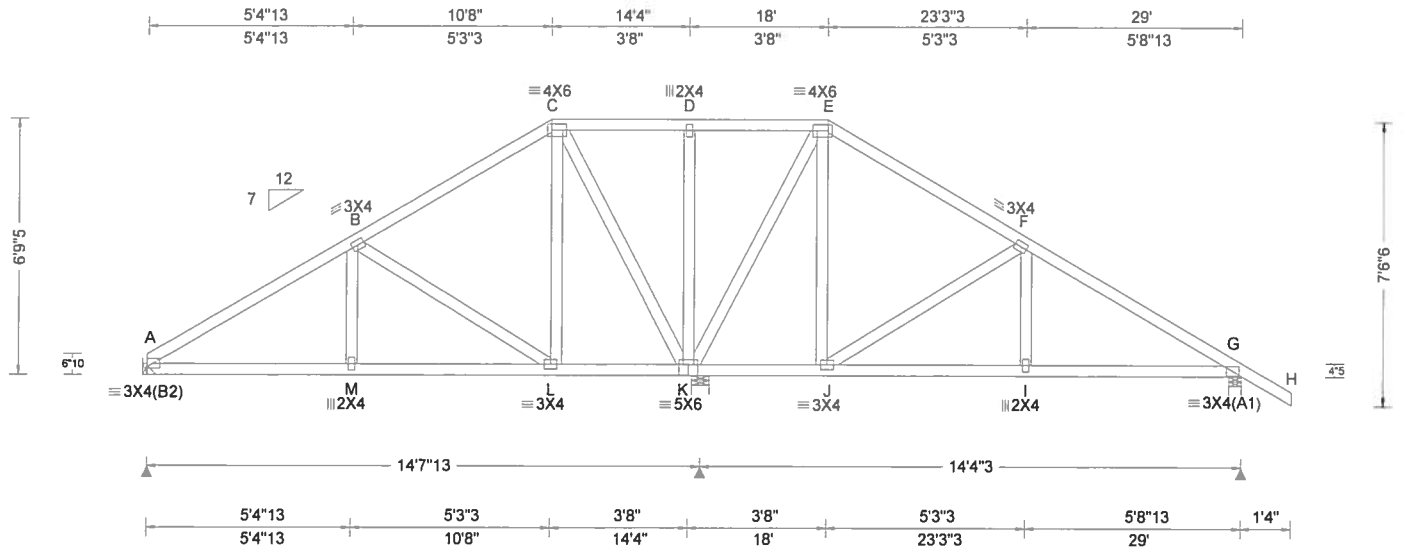
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** B03	Ply: 1 Qty: 1	SEQN: 478595 / T66 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.41693 KM / DF 07/18/2017



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
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 2014 RES
TPI Std: 2007
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): 0.016	M	999	240
VERT(TL): 0.043	M	999	180
HORZ(LL): 0.009	I	-	-
HORZ(TL): 0.022	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.124
Max BC CSI: 0.247
Max Web CSI: 0.603

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	589	/ 106	/ 356	/ -	/ 185	/ -
K	1250	/ 195	/ 673	/ -	/ -	/ 5.7
G	677	/ 129	/ 458	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
A Min Brg Width Req = -
K Min Brg Width Req = 1.5
G Min Brg Width 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	213	- 801	F - G	197	- 782
B - C	184	- 386			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - M	622	- 140	J - I	603	- 84
M - L	620	- 140	I - G	606	- 84
K - J	414	- 15			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
B - L	154	- 436	K - E	96	- 495
C - L	402	- 80	J - F	158	- 480
C - K	123	- 588			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

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

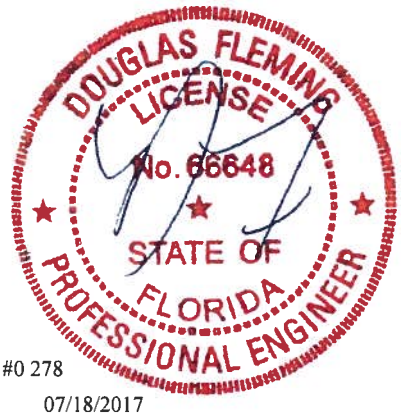
Bearing at location x=0' uses the following support conditions:
Bearing A (0', 9'1"2) LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Purlins

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

Wind

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



#0 278
07/18/2017

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
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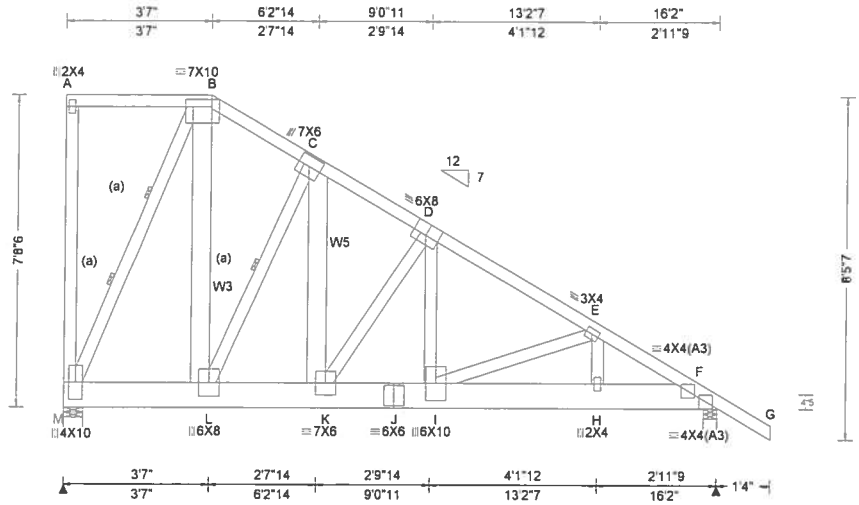
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** B04	Ply: 2 Qty: 1	SEQN: 478661 / T50 HIPM FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0729.42730 KM / DF 07/18/2017

2 Complete Trusses Required



Loading Criteria (psf)
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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: 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 2014 RES
TPI Std: 2007
Rep Factors Used: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.086	I	999	240
VERT(TL): 0.215	I	896	180
HORZ(LL): 0.028	A	-	-
HORZ(TL): 0.069	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.196
Max BC CSI: 0.283
Max Web CSI: 0.935

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
M	7462	/ 1551	/ -	/ -	/ -	/ 5.7
F	4844	/ 1058	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
M Min Brg Width Req = 3.1
F Min Brg Width Req = 2.0
Bearings M & 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	366	- 1739	D - E	960	- 4405
C - D	661	- 3111	E - F	945	- 4380

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
M - L	1502	- 314	J - I	3664	- 793
L - K	2475	- 524	I - H	3776	- 815
K - J	3664	- 793	H - F	3772	- 812

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
M - B	708	- 3387	C - K	2928	- 623
B - L	3806	- 771	K - D	434	- 1891
L - C	528	- 2448	D - I	2148	- 476

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-31
Bot chord 2x8 SP M-31
Webs 2x4 SP #3 :W3, W5 2x6 SP M-31:

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to grain required in area over bearings greater than 4"

Special Loads

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

TC- From	63 plf at	0.00 to	63 plf at	3.58
TC- From	32 plf at	3.58 to	32 plf at	9.10
TC- From	63 plf at	9.10 to	63 plf at	17.50
BC- From	10 plf at	0.00 to	10 plf at	9.10
BC- From	20 plf at	9.10 to	20 plf at	16.17
BC- From	5 plf at	16.17 to	5 plf at	17.50

BC- 1739 lb Conc. Load at 1.10, 3.10, 5.10
BC- 1673 lb Conc. Load at 7.10
BC- 4245 lb Conc. Load at 9.10

Purlins

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

Wind

Wind loads and reactions based on MWFRS.

Left end vertical not exposed to wind pressure.

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07/18/2017

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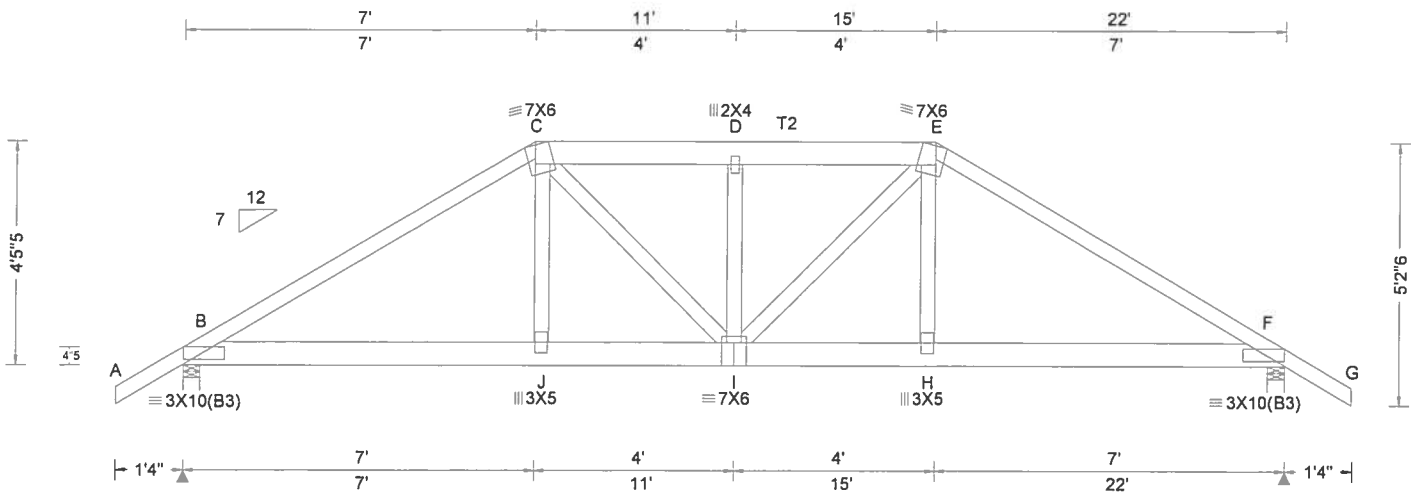
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** C01	Ply: 1 Qty: 1	SEQN: 478663 / T32 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0730.08923 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.073	D	999	240
VERT(TL): 0.184	D	999	180
HORZ(LL): 0.024	H	-	-
HORZ(TL): 0.061	H	-	-

Creep Factor: 1.5
Max TC CSI: 0.286
Max BC CSI: 0.242
Max Web CSI: 0.253

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	2103	/ 477	/ -	/ -	/ -	/ 4.0
F	2103	/ 477	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.7
F Min Brg Width Req = 1.7
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	808	- 3515	D - E	768	- 3377
C - D	768	- 3377	E - F	808	- 3515

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - J	2958	- 665	I - H	2983	- 666
J - I	2983	- 666	H - F	2958	- 665

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - J	664	- 32	I - E	557	- 143
C - I	557	- 143	H - E	664	- 32
D - I	205	- 508			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Special Loads

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

TC- From	63 plf at	-1.33 to	63 plf at	7.00
TC- From	32 plf at	7.00 to	32 plf at	15.00
TC- From	63 plf at	15.00 to	63 plf at	23.33
BC- From	5 plf at	-1.33 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	11.00
BC- From	10 plf at	11.00 to	10 plf at	14.97
BC- From	20 plf at	14.97 to	20 plf at	22.00
BC- From	5 plf at	22.00 to	5 plf at	23.33

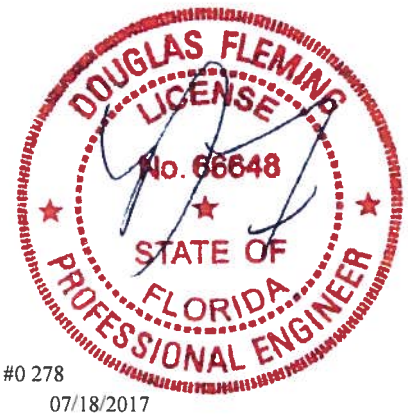
TC- 280 lb Conc. Load at 7.03,14.97
TC- 198 lb Conc. Load at 9.06,11.00,12.94
BC- 490 lb Conc. Load at 7.03,14.97
BC- 133 lb Conc. Load at 9.06,11.00,12.94

Purlins

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

Wind

Wind loads and reactions based on MWFRS.



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07/18/2017

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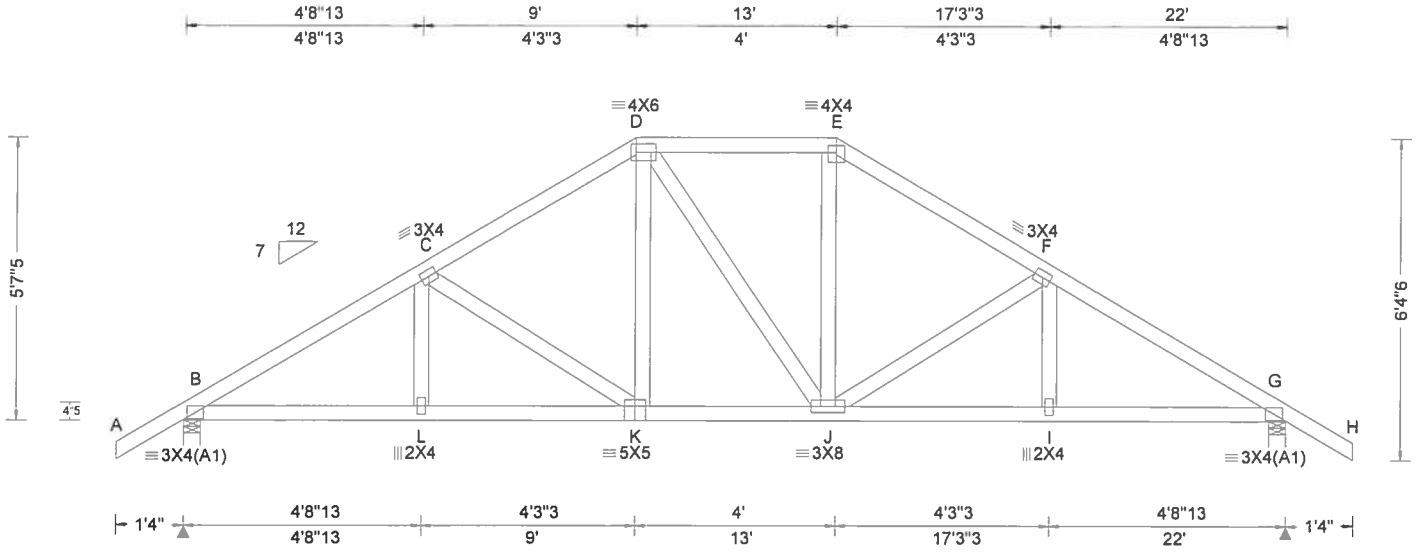
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** C02	Ply: 1 Qty: 1	SEQN: 478551 / T33 HIPS FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0730.11153 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.030	K	999	240
VERT(TL): 0.077	K	999	180
HORZ(LL): 0.014	I	-	-
HORZ(TL): 0.036	I	-	-

Creep Factor: 1.5
Max TC CSI: 0.095
Max BC CSI: 0.153
Max Web CSI: 0.171

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	1005	/ 176	/ 603	/ -	/ 174	/ 4.0
G	1005	/ 176	/ 502	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
G Min Brg Width 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	327	- 1423	E - F	309	- 1102
C - D	311	- 1107	F - G	327	- 1423
D - E	301	- 900			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - L	1165	- 181	J - I	1163	- 205
L - K	1164	- 181	I - G	1165	- 204
K - J	897	- 101			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Purlins

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

Wind

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

#0 278
07/18/2017

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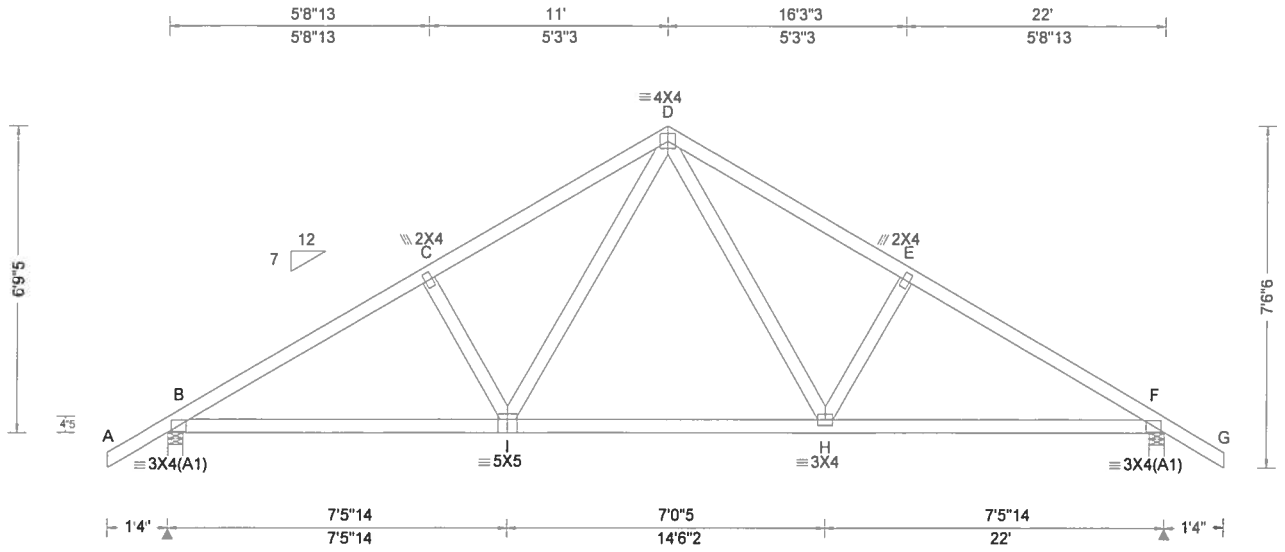
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** C03	Ply: 1 Qty: 4	SEQN: 478529 / T34 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199,17,0730,12903 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.036	H	999	240
VERT(TL): 0.086	H	999	180
HORZ(LL): 0.014	H	-	-
HORZ(TL): 0.034	H	-	-

Creep Factor: 1.5
Max TC CSI: 0.111
Max BC CSI: 0.249
Max Web CSI: 0.202

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	1058	/ 172	/ 603	/ -	/ 204	/ 4.0
F	1059	/ 172	/ 603	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
F Min Brg Width 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	285	- 1496	D - E	319	- 1339
C - D	320	- 1336	E - F	284	- 1498

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - I	1220	- 143	H - F	1223	- 159
I - H	830	- 33			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
I - D	524	- 119	D - H	530	- 119

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0 278
07/18/2017

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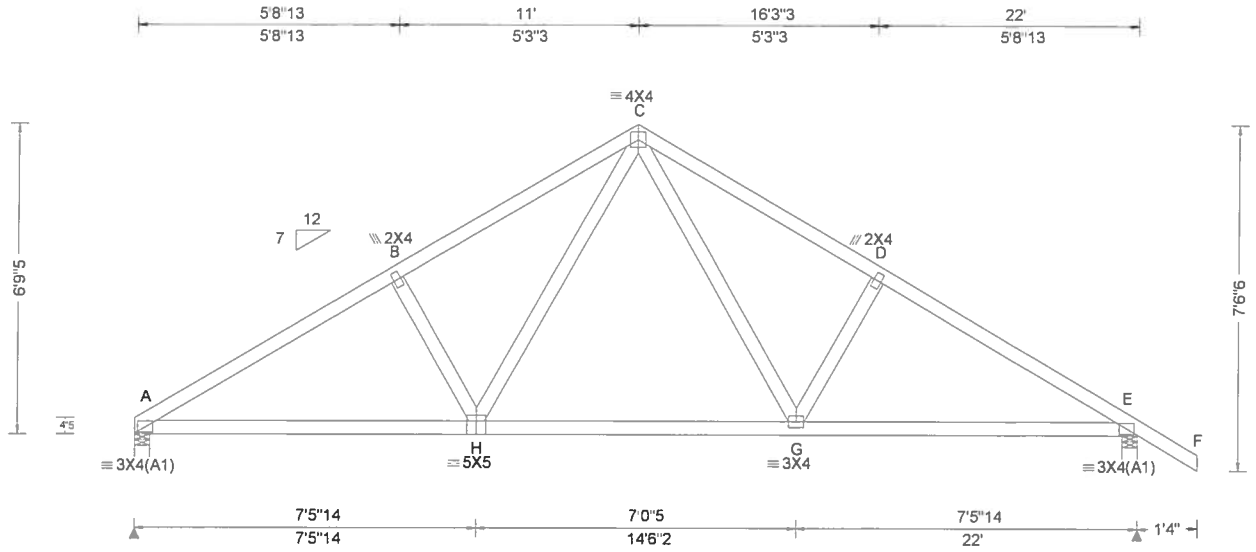
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** C04	Ply: 1 Qty: 3	SEQN: 478525 / T35 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0730.13977 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.035	G	999	240
VERT(TL): 0.085	G	999	180
HORZ(LL): 0.014	G	-	-
HORZ(TL): 0.034	G	-	-

Creep Factor: 1.5
Max TC CSI: 0.120
Max BC CSI: 0.249
Max Web CSI: 0.207

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	964	/ 9	/ 525	/ -	/ 189	/ 4.0
E	1062	/ 16	/ 603	/ -	/ -	/ 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	308	- 1513	C - D	328	- 1345
B - C	343	- 1354	D - E	293	- 1505

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - H	1240	- 171	G - E	1228	- 167
H - G	835	- 41			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
H - C	542	- 125	C - G	528	- 117

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0 278
07/18/2017

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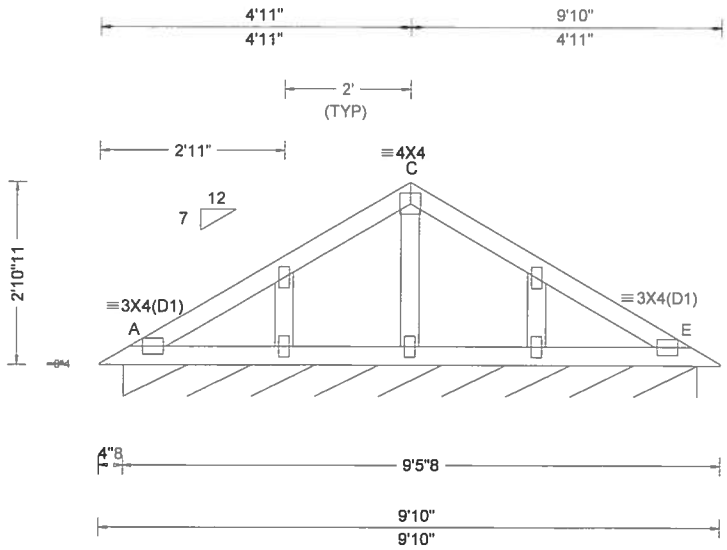
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** D01	Ply: 1 Qty: 1	SEQN: 478686 / T42 GABL FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0730.15443 KM / DF 07/18/2017



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: 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 2014 RES
TPI Std: 2007
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	H	999	240
VERT(TL): 0.003	H	999	180
HORZ(LL): 0.000	H	-	-
HORZ(TL): 0.001	H	-	-

Creep Factor: 1.5
Max TC CSI: 0.030
Max BC CSI: 0.018
Max Web CSI: 0.031

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A*	90	/ 12	/ 46	/ -	/ 7	/ 108

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

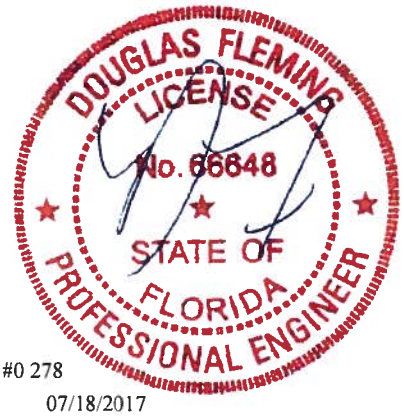
Members not listed have forces less than 375#

Lumber
Value Set: 13B (Effective 6/1/2013)
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP #3
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes
All plates are 2X4 except as noted.

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

Additional Notes
See DWGS A14015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.



#0 278
07/18/2017

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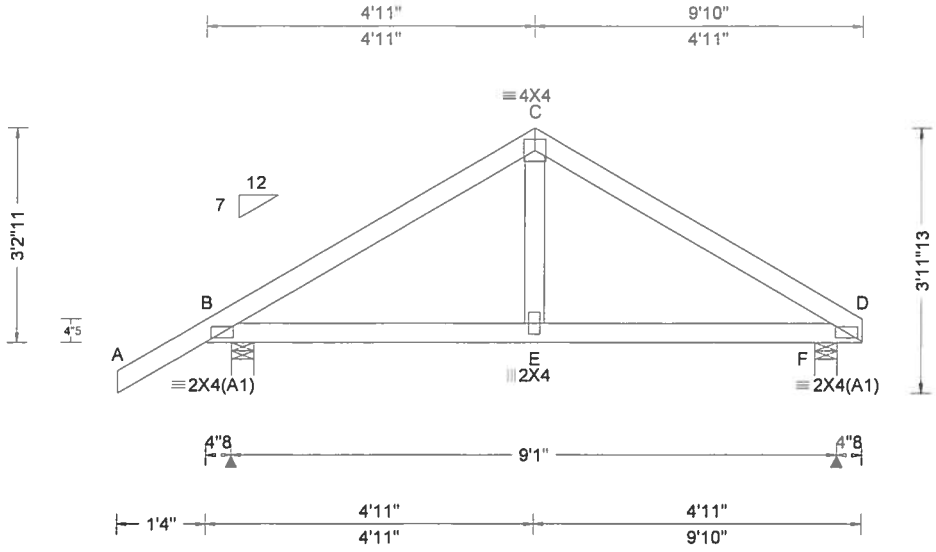
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** D02	Ply: 1 Qty: 1	SEQN: 478688 / T53 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0730.17003 KM / DF 07/18/2017



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: 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 2014 RES
TPI Std: 2007
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): 0.012	C	999	240
VERT(TL): 0.030	C	999	180
HORZ(LL): 0.002	E	-	-
HORZ(TL): 0.004	E	-	-

Creep Factor: 1.5
Max TC CSI: 0.096
Max BC CSI: 0.199
Max Web CSI: 0.054

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	512	/ 90	/ 328	/ -	/ 98	/ 4.0
F	396	/ 60	/ 243	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
F Min Brg Width 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	123	- 398	C - D	120	- 391

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - E	539	- 86	E - D	543	- 72

Lumber

Value Set: 13B (Effective 6/1/2013)

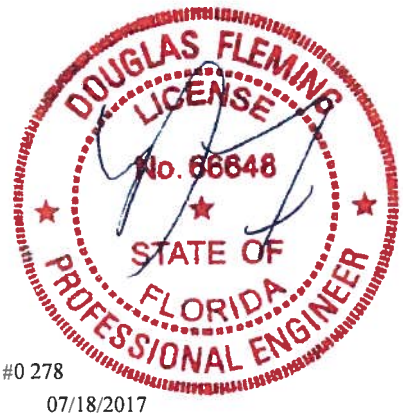
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Wind

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

Left and right cantilevers are exposed to wind



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07/18/2017

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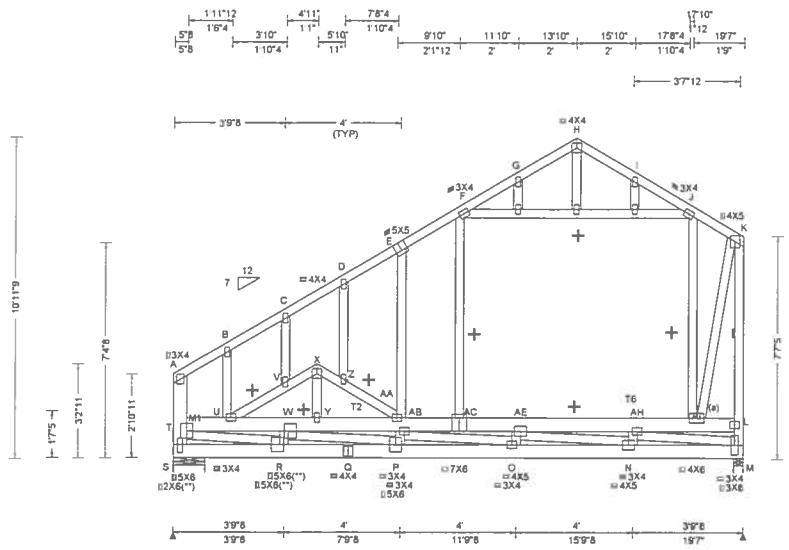
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** D03	Ply: 1 Qty: 1	SEQN: 478694 / T51 GABL FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0731.17233 KM / DF 07/18/2017



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): 0.112 F 999 240
BCLL: 0.00	Enclosure: Closed	Lu: NA Cs: NA	VERT(TL): 0.316 F 743 180
BCDL: 10.00	Risk Category: II	Snow Duration: NA	HORZ(LL): 0.055 J - -
Des Ld: 40.00	EXP: C		HORZ(TL): 0.155 J - -
NCBCLL: 10.00	Mean Height: 15.26 ft	**Code / Misc Criteria**	Creep Factor: 1.5
Soffit: 2.00	TCDL: 5.0 psf	Bldg Code: FBC 2014 RES	Max TC CSI: 0.288
Load Duration: 1.25	BCDL: 5.0 psf	TPI Std: 2007	Max BC CSI: 0.281
Spacing: 24.0 "	MWFRS Parallel Dist: 0 to h/2	Rep Factors Used: Yes	Max Web CSI: 0.754
	C&C Dist a: 3.00 ft	FT/RT:20(0)/10(0)	
	Loc. from endwall: not in 9.00 ft	Plate Type(s):	VIEW Ver: 16.02.01B.0131.17
	GCpi: 0.18	WAVE	
	Wind Duration: 1.60		

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
S	1020	/ 220	/ -	/ -	/ -	/ 13.0
M	1085	/ 315	/ -	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	123	- 467	F - G	63	- 467
B - C	109	- 405	G - H	57	- 425
C - D	106	- 401	H - I	60	- 436
D - E	109	- 419	I - J	72	- 509
E - F	114	- 423			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
S - R	156	- 563	P - O	2990	- 683
R - Q	1483	- 304	O - N	2271	- 687
Q - P	1483	- 304	N - M	454	- 269

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
T - U	183	- 1074	AA-AB	562	- 2568
T - R	1978	- 429	AB-AC	625	- 2023
U - V	103	- 505	AB- O	0	- 671
U - W	103	- 663	AC-AE	624	- 2020
V - X	78	- 418	AE- N	358	- 1698
W - Y	483	- 2167	AE-AH	257	- 386
W - P	1444	- 351	AH-AI	382	- 98
X - Z	77	- 415	AH- M	294	- 533
Y -AA	483	- 2167	J -AI	48	- 421
Z -AA	108	- 528	AI- K	1196	- 316

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
S - T	228	- 974	L - K	346	- 1322
N -AH	561	- 233	L - M	221	- 952

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-31 :T2, T6 2x6 SP M-31:
Bot chord 2x6 SP M-31
Webs 2x4 SP #3 :M1 2x6 SP M-31:

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bracing

(a) Continuous lateral restraint equally spaced on member.

Special Loads

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

TC- From	63 plf at	0.00 to	63 plf at	9.90
TC- From	32 plf at	9.90 to	32 plf at	13.83
TC- From	32 plf at	13.83 to	32 plf at	19.29
TC- From	63 plf at	19.29 to	63 plf at	19.58
BC- From	20 plf at	0.00 to	20 plf at	9.90
BC- From	10 plf at	9.90 to	10 plf at	19.58

TC- 52 lb Conc. Load at 9.90
TC- 19 lb Conc. Load at 11.90,13.90,15.90,17.90
BC- 12 lb Conc. Load at 9.90
BC- -12 lb Conc. Load at 11.90,13.90,15.90,17.90

Plating Notes

All plates are 2X4 except as noted.

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

Laterally brace TC below filler @ 24" O.C. (or as designed) Including a brace on TC directly above both ends of filler (if no rigid diaphragm exists at that point)

Loading

Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Purlins

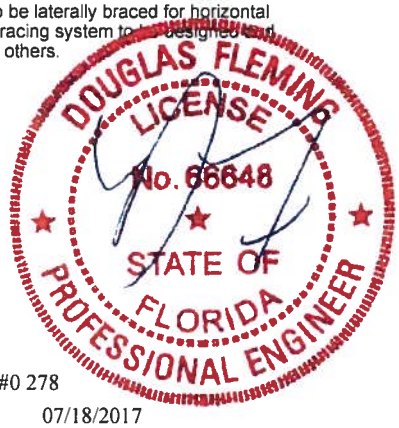
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

Wind loads and reactions based on MWFRS.

End verticals not exposed to wind pressure.

+ Member to be laterally braced for horizontal wind load. Bracing system to be designed and furnished by others.



#0 278
07/18/2017

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE Truss Label: D03	Ply: 1 Qty: 1	SEQN: 478694 / T51 GABL FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0731.17233 KM / DF 07/18/2017

Additional Notes

See DWGS A14030ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.

#0 278

07/18/2017

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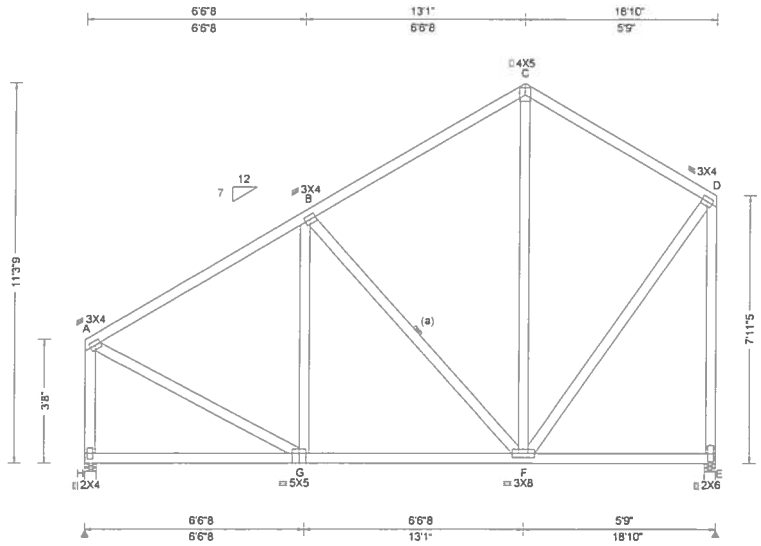
ALPINE
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** D04	Ply: 1 Qty: 2	SEQN: 478515 / T58 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0731.18657 KM / DF 07/18/2017



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: 16.58 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: 0 to h/2
C&C Dist a: 3.00 ft
Loc. from endwall: 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 2014 RES
TPI Std: 2007
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): 0.015	B	999	240
VERT(TL): 0.034	B	999	180
HORZ(LL): 0.005	B	-	-
HORZ(TL): 0.011	B	-	-

Creep Factor: 1.5
Max TC CSI: 0.219
Max BC CSI: 0.193
Max Web CSI: 0.962

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
H	856	/ 109	/ 459	/ -	/ 170	/ 4.0
E	927	/ 186	/ 459	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
H Min Brg Width Req = 1.5
E Min Brg Width Req = 1.5
Bearings H & 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	141	- 759	C - D	163	- 482
B - C	170	- 517			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	583	- 179

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	147	- 809	F - D	585	- 125
A - G	642	- 49	D - E	229	- 821

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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.

End verticals not exposed to wind pressure.

#0 278
07/18/2017

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2400 Lake Orange Dr.
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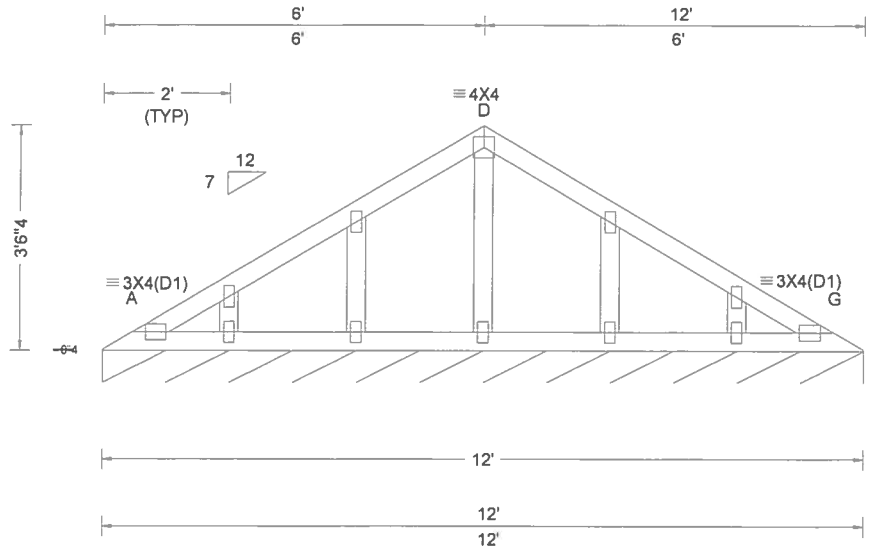
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** G01	Ply: 1 Qty: 1	SEQN: 478555 / T31 GABL FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0731.20340 KM / DF 07/18/2017



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: 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 2014 RES
TPI Std: 2007
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	H	999	240
VERT(TL): 0.001	H	999	180
HORZ(LL): -0.001	C	-	-
HORZ(TL): -0.001	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.029
Max BC CSI: 0.013
Max Web CSI: 0.032

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
G*	89	/ 24	/ 45	/ -	/ 8	/ 144

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

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

Loading

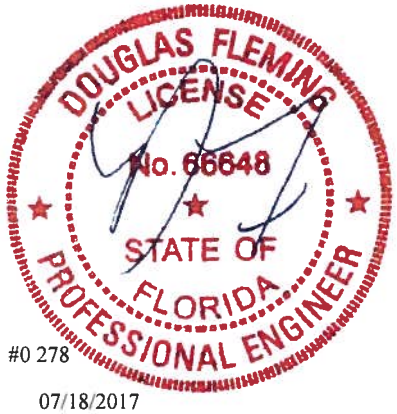
Truss designed to support 1-0-0 top chord outlookers and cladding load not to exceed 2.30 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Wind

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

Additional Notes

See DWGS A14015ENC101014 & GBLLETIN1014 for gable wind bracing and other requirements.



#0 278

07/18/2017

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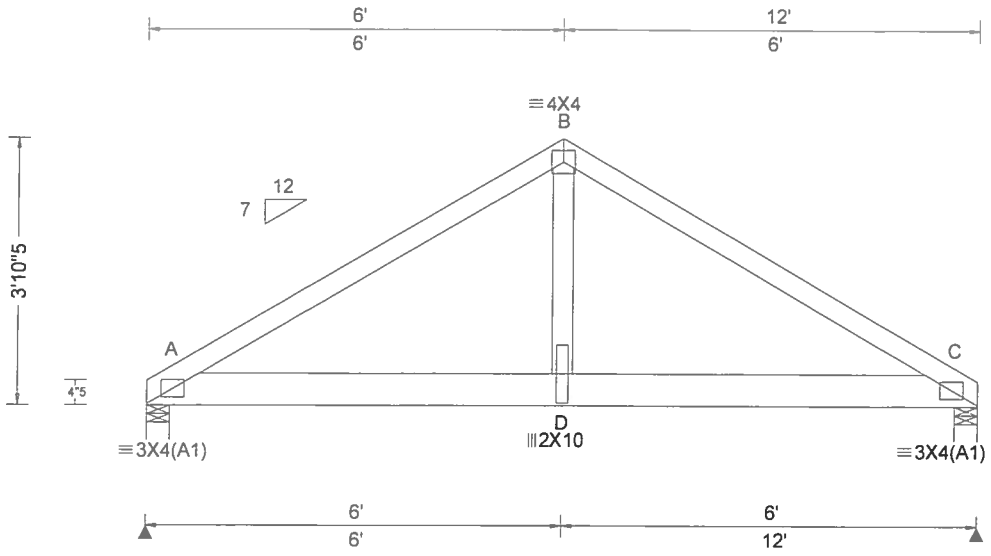
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** G02	Ply: 1 Qty: 1	SEQN: 478665 / T24 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.04390 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.020	D	999	240
VERT(TL): 0.049	D	999	180
HORZ(LL): 0.007	D	-	-
HORZ(TL): 0.017	D	-	-

Creep Factor: 1.5
Max TC CSI: 0.172
Max BC CSI: 0.319
Max Web CSI: 0.434

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	1180	/ 151	/ -	/ -	/ -	/ 4.0
C	1180	/ 151	/ -	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	210	- 1597	B - C	210	- 1597

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - D	1321	- 154	D - C	1321	- 154

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
B - D	1139	- 34

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP #3

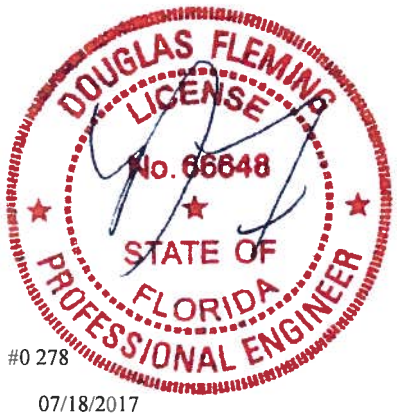
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 6.00
TC- From 63 plf at 6.00 to 63 plf at 12.00
BC- From 10 plf at 0.00 to 10 plf at 12.00
BC- 296 lb Conc. Load at 2.06, 4.06, 6.00, 7.94 9.94

Wind

Wind loads and reactions based on MWFRS.



#0 278

07/18/2017

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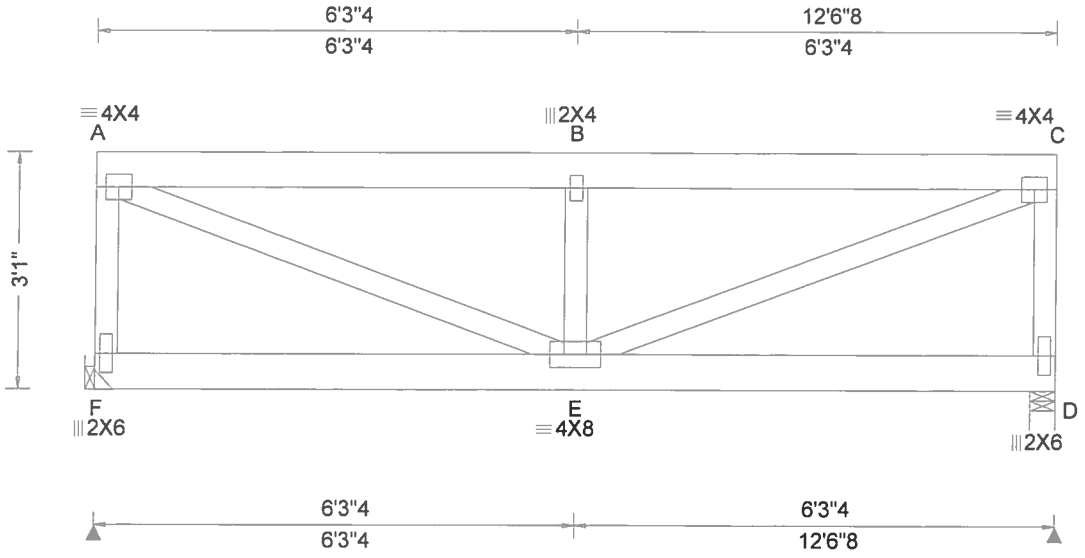
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H01	Ply: 1 Qty: 1	SEQN: 478603 / T26 FLAT FROM: CDM Page 1 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199,17,0732,10093 KM / DF 07/18/2017



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 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 2014 RES
TPI Std: 2007
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): 0.031	B	999	240
VERT(TL): 0.078	B	999	180
HORZ(LL): 0.003	A	-	-
HORZ(TL): 0.008	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.133
Max BC CSI: 0.090
Max Web CSI: 0.511

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F	802	/ 109	/ 257	/ -	/ -	/ -
D	945	/ 126	/ 257	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
F Min Brg Width Req = -
D Min Brg Width Req = 1.5
Bearing D 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	216	-1247	B - C	216	-1247

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	204	-698	E - C	1341	-232
A - E	1342	-232	C - D	204	-783
B - E	213	-666			

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x6 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 30 plf at 0.00 to 30 plf at 12.54
BC- From 10 plf at 0.00 to 10 plf at 12.54
TC- 121 lb Conc. Load at 1.94, 3.94, 5.94, 7.94 9.94
TC- 130 lb Conc. Load at 11.94
BC- 84 lb Conc. Load at 1.94, 3.94, 5.94, 7.94 9.94
BC- 87 lb Conc. Load at 11.94

Purlins

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

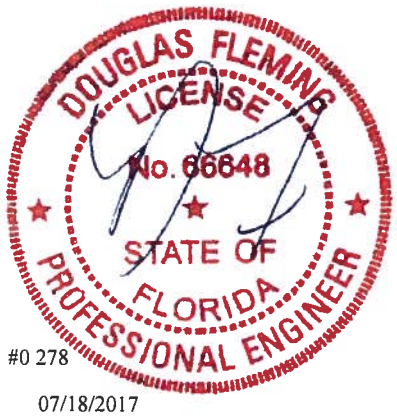
Wind

Wind loads based on MWFRS.

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



#0 278

07/18/2017

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ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
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Orlando FL, 32837

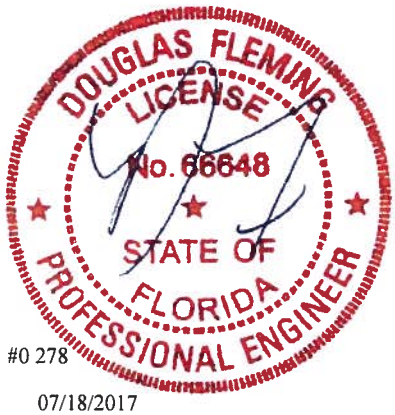
Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H01	Ply: 1 Qty: 1	SEQN: 478603 / T26 FLAT FROM: CDM Page 2 of 2	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.10093 KM / DF 07/18/2017

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing F (0', 9'1"2) LUS26
Supporting Member: (1)2x8 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.



#0 278

07/18/2017

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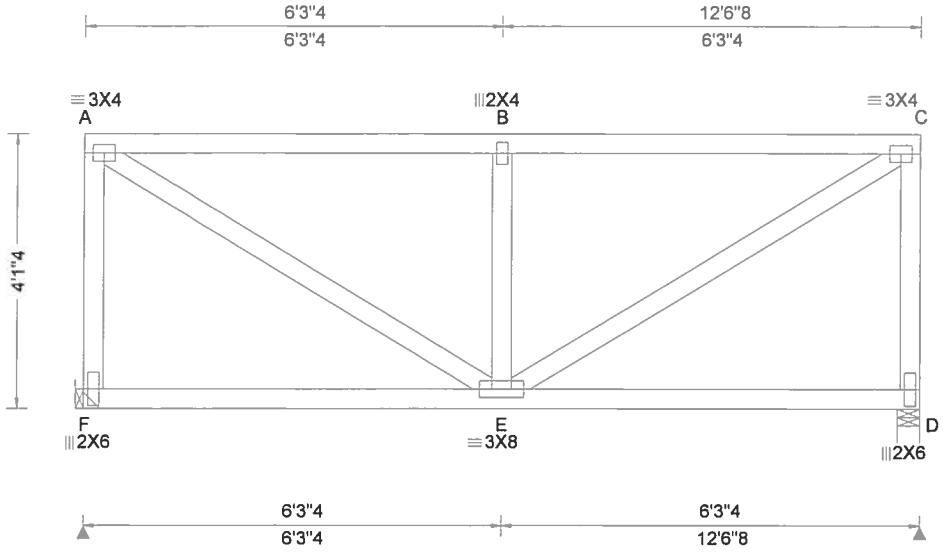
ALPINE
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H02	Ply: 1 Qty: 1	SEQN: 478530 / T15 FLAT FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.11877 KM / DF 07/18/2017



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 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 2014 RES
TPI Std: 2007
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): 0.013	B	999	240
VERT(TL): 0.034	B	999	180
HORZ(LL): 0.002	A	-	-
HORZ(TL): 0.005	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.200
Max BC CSI: 0.172
Max Web CSI: 0.221

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F	502	/ 97	/ 257	/ -	/ -	/ -
D	502	/ 97	/ 257	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
F Min Brg Width Req = -
D Min Brg Width Req = 1.5
Bearing D 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	156	- 505	B - C	156	- 505

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	206	- 450	E - C	581	- 180
A - E	581	- 180	C - D	206	- 450
B - E	213	- 455			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing F (0', 9'1"2) LUS26
Supporting Member: (1)2x8 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

#0 278

07/18/2017

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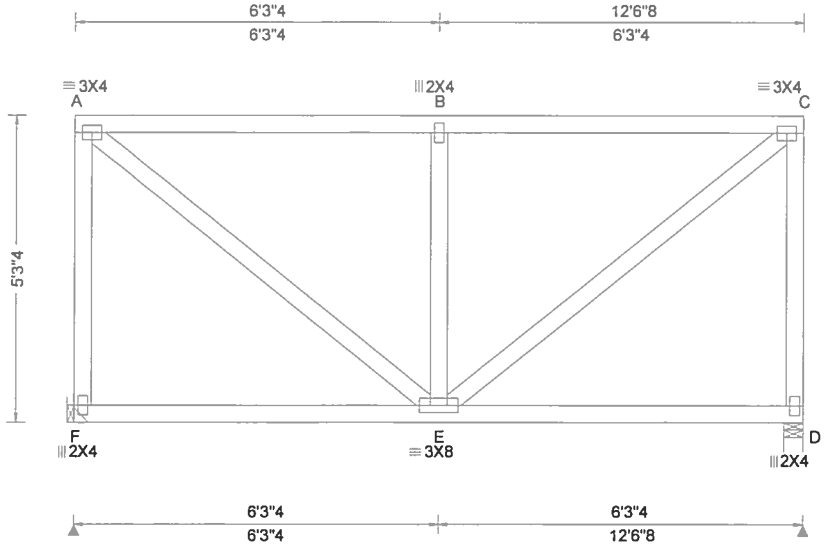
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H03	Ply: 1 Qty: 1	SEQN: 478560 / T17 FLAT FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.13177 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.012	B	999	240
VERT(TL): 0.029	B	999	180
HORZ(LL): 0.001	A	-	-
HORZ(TL): 0.004	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.271
Max BC CSI: 0.180
Max Web CSI: 0.230

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F	502	/ 97	/ 257	/ -	/ -	/ -
D	502	/ 97	/ 257	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
F Min Brg Width Req = -
D Min Brg Width Req = 1.5
Bearing D 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	114	-391	B - C	114	-391

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	179	-453	E - C	499	-145
A - E	499	-145	C - D	179	-453
B - E	207	-467			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing F (0', 9'1"2) LUS26
Supporting Member: (1)2x8 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

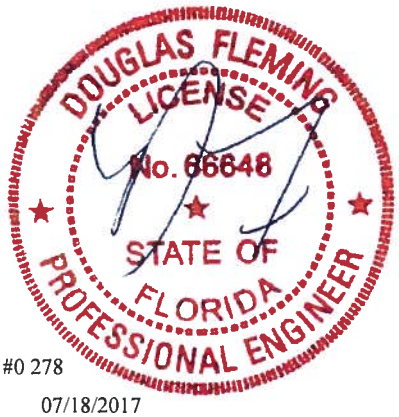
Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.



#0 278

07/18/2017

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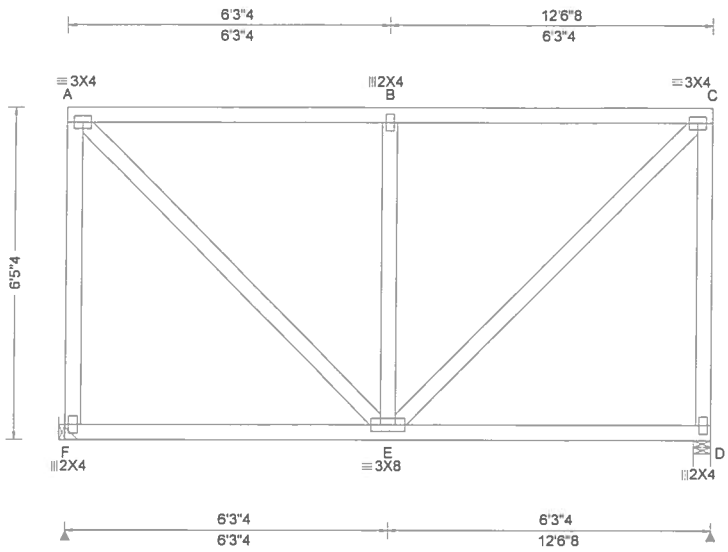
For more information see this job's general notes page and these web sites: ALPINE www.alpineitw.com, TPI www.tpinst.org, SBCA www.sbcindustry.com, ICC www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H04	Ply: 1 Qty: 1	SEQN: 478544 / T16 FLAT FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.14647 KM / DF 07/18/2017



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: 15.53 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

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 2014 RES
TPI Std: 2007
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	B	999	240
VERT(TL): 0.028	B	999	180
HORZ(LL): 0.001	A	-	-
HORZ(TL): 0.003	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.272
Max BC CSI: 0.181
Max Web CSI: 0.344

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
F	502	/ 101	/ 257	/ -	/ -	/ -
D	502	/ 101	/ 257	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
F Min Brg Width Req = -
D Min Brg Width Req = 1.5
Bearing D is a rigid surface.

Members not listed have forces less than 375#
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - F	181	-453	E - C	444	-131
A - E	444	-131	C - D	181	-453
B - E	210	-467			

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Hangers / Ties

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

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

Bearing at location x=0' uses the following support conditions:
Bearing F (0', 9'1"2) LUS26
Supporting Member: (1)2x8 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

Wind

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

End verticals not exposed to wind pressure.

Additional Notes

Truss must be installed as shown with top chord up.

#0 278

07/18/2017

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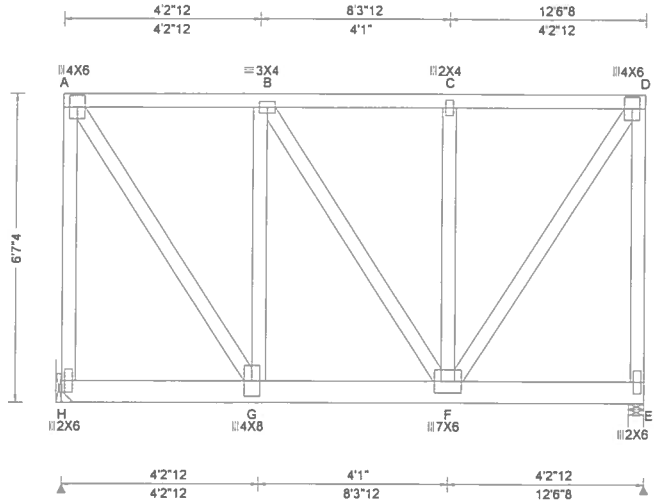
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** H05	Ply: 2 Qty: 1	SEQN: 478626 / T41 FLAT FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.16230 KM / DF 07/18/2017

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
Mean Height: 15.70 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 2014 RES
TPI Std: 2007
Rep Factors Used: No
FT/RT:20(0)/10(0)
Plate Type(s):
WAVE

Defl/CSI Criteria

PP Deflection in	loc	L/defl	L/#
VERT(LL): 0.029	C	999	240
VERT(TL): 0.071	C	999	180
HORZ(LL): 0.004	A	-	-
HORZ(TL): 0.011	A	-	-

Creep Factor: 1.5
Max TC CSI: 0.065
Max BC CSI: 0.249
Max Web CSI: 0.738

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
H	3913	/ 408	/ -	/ -	/ -	/ -
E	3583	/ 372	/ -	/ -	/ -	/ 4.0

Wind reactions based on MWFRS
H Min Brg Width Req = -
E Min Brg Width Req = 1.5
Bearing E 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	104	- 1062	C - D	106	- 1059
B - C	106	- 1059			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
G - F	1067	- 107

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
A - H	182	- 1676	F - D	1886	- 188
A - G	1936	- 190	D - E	179	- 1616

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Nailnote

Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 6.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 12.54
BC- From 10 plf at 0.00 to 10 plf at 9.94
BC- From 20 plf at 9.94 to 20 plf at 12.54
BC- 1318 lb Conc. Load at 1.94, 3.94, 5.94, 7.94 9.94

Hangers / Ties

(J) Hanger Support Required, by others

Purlins

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

Additional Notes

Truss must be installed as shown with top chord up.

Wind

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

#0 278

07/18/2017

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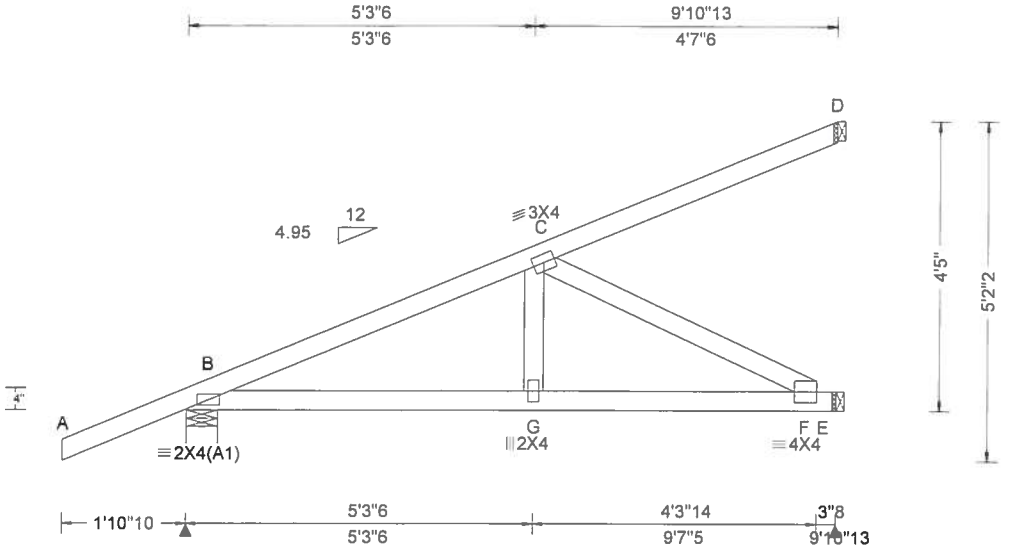
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J01	Ply: 1 Qty: 4	SEQN: 478571 / T12 HIP_ FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.19893 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.016	G	999	240
VERT(TL): 0.039	G	999	180
HORZ(LL): 0.004	F	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 1.5
Max TC CSI: 0.224
Max BC CSI: 0.256
Max Web CSI: 0.326

VIEW Ver: 16.02.01B.0131.17

▲ Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	364	/ 171	/ -	/ -	/ -	/ 5.7
E	352	/ 74	/ -	/ -	/ -	/ 1.5
D	79	/ 21	/ -	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
E Min Brg Width Req = -
D Min Brg Width 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	205	-653

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	608	-163	G - F	598	-163

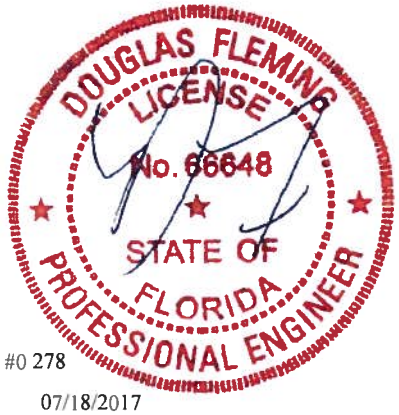
Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	184	-676

Lumber
Value Set: 13B (Effective 6/1/2013)
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31
Webs 2x4 SP #3
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Special Loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -1.89 to 62 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 9.90
BC- From 0 plf at -1.89 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 9.90
TC- -34 lb Conc. Load at 1.48
TC- 133 lb Conc. Load at 4.31
TC- 263 lb Conc. Load at 7.13
BC- 16 lb Conc. Load at 1.48
BC- 102 lb Conc. Load at 4.31
BC- 182 lb Conc. Load at 7.13

Wind
Wind loads and reactions based on MWFRS.



#0 278
07/18/2017

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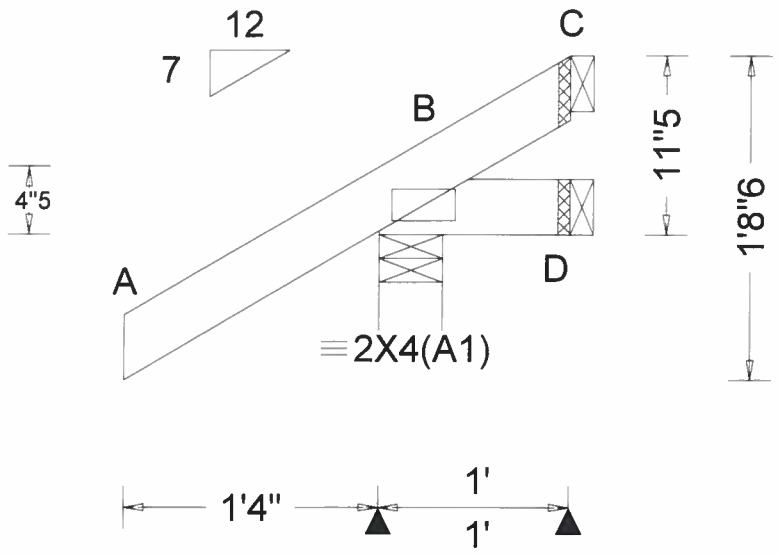
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J02	Ply: 1 Qty: 12	SEQN: 478528 / T9 JACK FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.21693 KM / DF 07/18/2017



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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: 0 to h/2 C&C Dist a: 3.00 ft Loc. from endwall: Any GCpi: 0.18 Wind Duration: 1.60	Pg: NA Ct: NA CAT: NA Pf: NA Ce: NA Lu: NA Cs: NA Snow Duration: NA **Code / Misc Criteria** Bldg Code: FBC 2014 RES TPI Std: 2007 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): -0.000 D - - HORZ(TL): -0.001 D - - Creep Factor: 1.5 Max TC CSI: 0.055 Max BC CSI: 0.006 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	225	/ 53	/ 182	/ -	/ 38	/ 4.0
D	8	/ 12	/ 15	/ -	/ -	/ 1.5
C	-43	/ 48	/ 28	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

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

#0 278

07/18/2017

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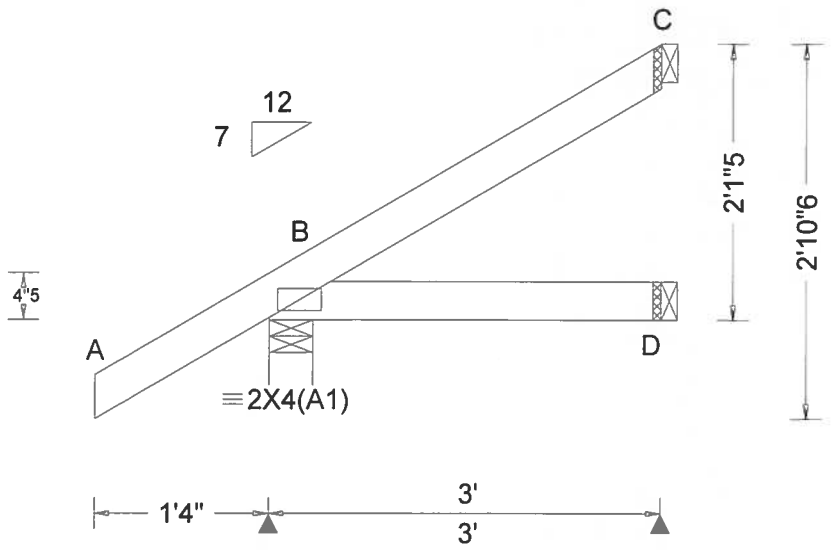
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J03	Ply: 1 Qty: 12	SEQN: 478517 / T8 JACK FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.22707 KM / DF 07/18/2017



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: 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 2014 RES
TPI Std: 2007
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): 0.001 D - -
HORZ(TL): 0.001 D - -
Creep Factor: 1.5
Max TC CSI: 0.055
Max BC CSI: 0.030
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	247	/ 35	/ 181	/ -	/ 72	/ 4.0
D	51	/ -	/ 39	/ -	/ -	/ 1.5
C	67	/ 29	/ 30	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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

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#0 278
07/18/2017

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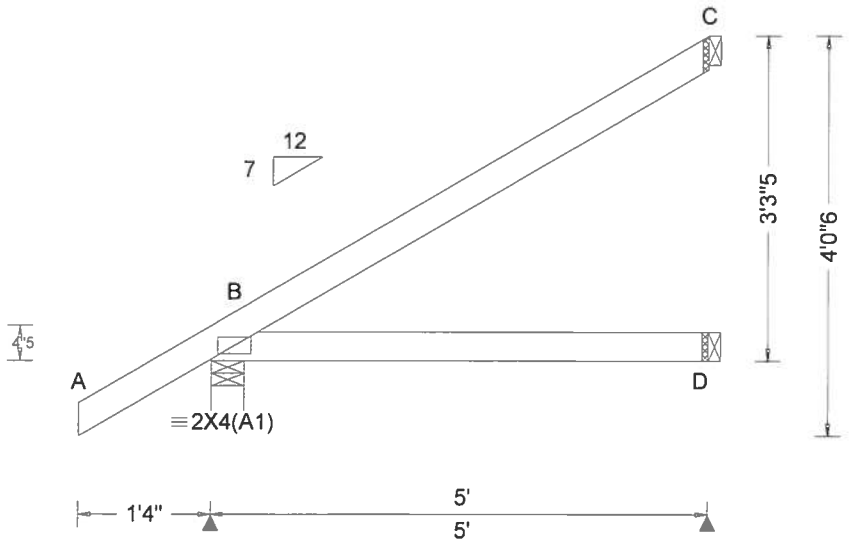
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J04	Ply: 1 Qty: 10	SEQN: 478512 / T7 JACK FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.25120 KM / DF 07/18/2017



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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
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 2014 RES
TPI Std: 2007
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): 0.003 D - -
HORZ(TL): 0.008 D - -
Creep Factor: 1.5
Max TC CSI: 0.127
Max BC CSI: 0.099
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

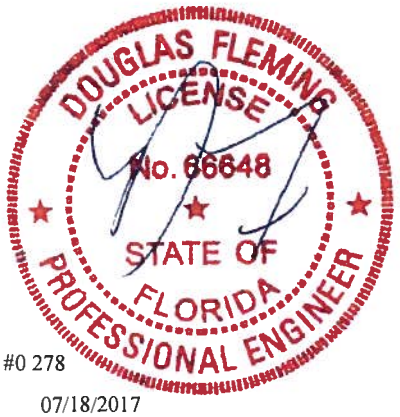
Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	320	/ 36	/ 226	/ -	/ 105	/ 4.0
D	91	/ -	/ 64	/ -	/ -	/ 1.5
C	131	/ 55	/ 67	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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



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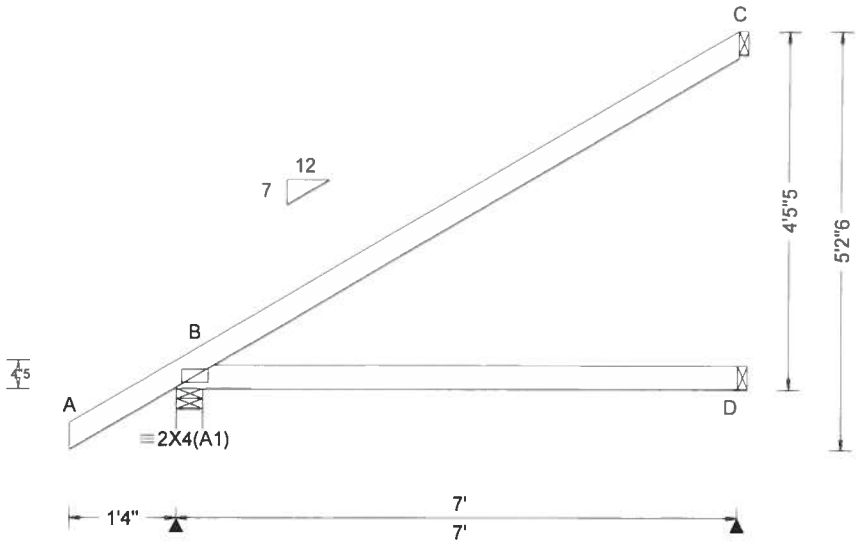
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J05	Ply: 1 Qty: 41	SEQN: 478511 / T10 EJAC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199,17.0732,26283 KM / DF 07/18/2017



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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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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 2014 RES
TPI Std: 2007
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): 0.010 D - -
HORZ(TL): 0.026 D - -
Creep Factor: 1.5
Max TC CSI: 0.287
Max BC CSI: 0.202
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	398	/ 38	/ 276	/ -	/ 138	/ 4.0
D	130	/ 0	/ 91	/ -	/ -	/ 1.5
C	191	/ 78	/ 101	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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

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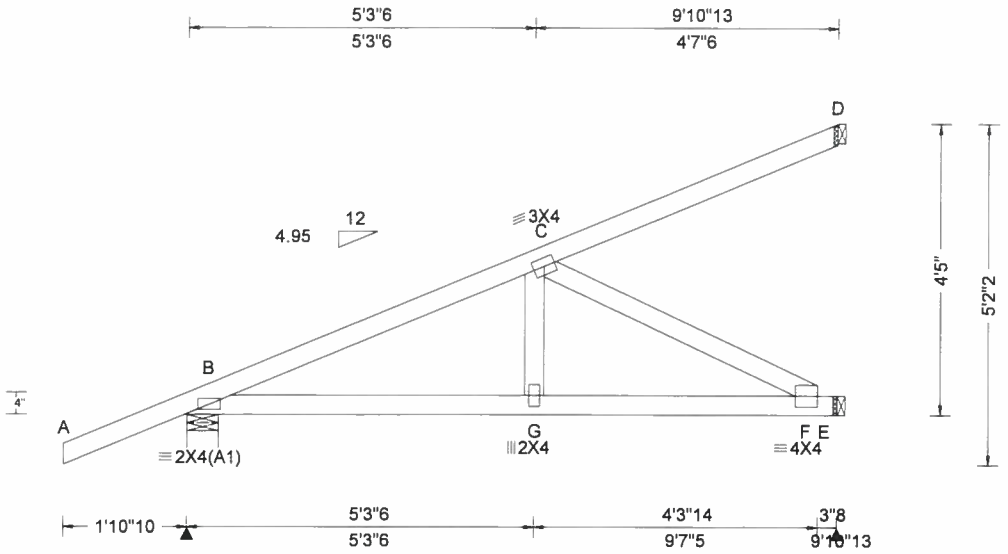
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J06	Ply: 1 Qty: 2	SEQN: 478569 / T40 HIP_ FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.27540 KM / DF 07/18/2017



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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
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 2014 RES
TPI Std: 2007
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): 0.016	G	999	240
VERT(TL): 0.039	G	999	180
HORZ(LL): 0.004	F	-	-
HORZ(TL): 0.009	F	-	-

Creep Factor: 1.5
Max TC CSI: 0.232
Max BC CSI: 0.260
Max Web CSI: 0.331

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	364	/ 172	/ -	/ -	/ -	/ 5.7
E	357	/ 77	/ -	/ -	/ -	/ 1.5
D	82	/ 22	/ -	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
E Min Brg Width Req = -
D Min Brg Width 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	209	- 663

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - G	617	- 167	G - F	607	- 167

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - F	189	- 687

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Special Loads

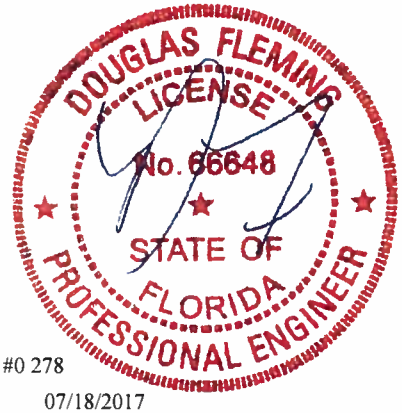
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	0 plf at	-1.89 to	62 plf at	0.00
TC- From	2 plf at	0.00 to	2 plf at	9.90
BC- From	0 plf at	-1.89 to	4 plf at	0.00
BC- From	2 plf at	0.00 to	2 plf at	9.90

TC- -34 lb Conc. Load at 1.48
TC- 133 lb Conc. Load at 4.31
TC- 271 lb Conc. Load at 7.13
BC- 16 lb Conc. Load at 1.48
BC- 102 lb Conc. Load at 4.31
BC- 185 lb Conc. Load at 7.13

Wind

Wind loads and reactions based on MWFRS.



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07/18/2017

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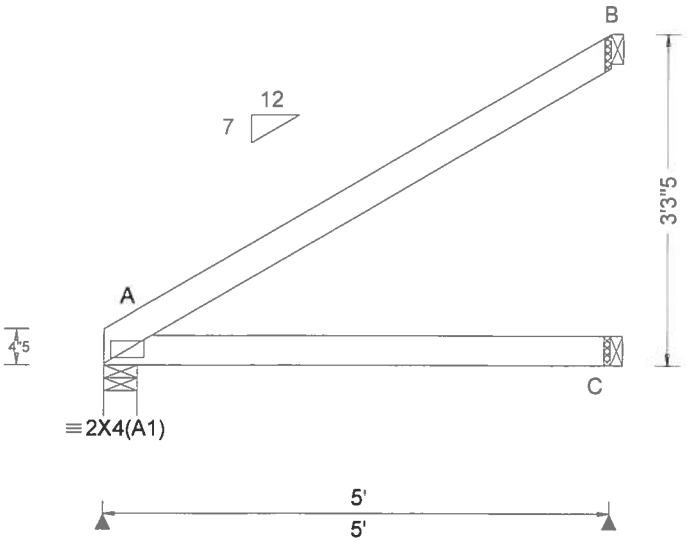
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J07	Ply: 1 Qty: 2	SEQN: 478539 / T38 JACK FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.28810 KM / DF 07/18/2017



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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
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 2014 RES
TPI Std: 2007
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): 0.004 C - -
HORZ(TL): 0.011 C - -
Creep Factor: 1.5
Max TC CSI: 0.144
Max BC CSI: 0.105
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	214	/ 7	/ 138	/ -	/ 82	/ 4.0
C	94	/ 1	/ 68	/ -	/ -	/ 1.5
B	140	/ 57	/ 75	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
C Min Brg Width Req = -
B Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

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07/18/2017

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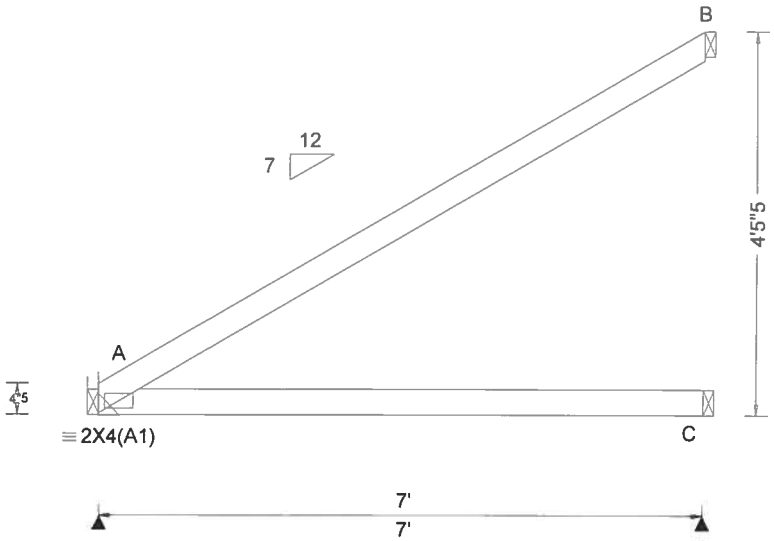
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J08	Ply: 1 Qty: 5	SEQN: 478524 / T39 EJAC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.29993 KM / DF 07/18/2017



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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
Mean Height: 15.00 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h/2 to h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 4.50 ft
GCpi: 0.18
Wind Duration: 1.60

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 2014 RES
TPI Std: 2007
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): 0.012 C - -
HORZ(TL): 0.032 C - -
Creep Factor: 1.5
Max TC CSI: 0.305
Max BC CSI: 0.210
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	296	/ 11	/ 192	/ -	/ 116	/ -
C	133	/ 2	/ 96	/ -	/ -	/ 1.5
B	198	/ 80	/ 106	/ -	/ -	/ 1.5

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

Members not listed have forces less than 375#

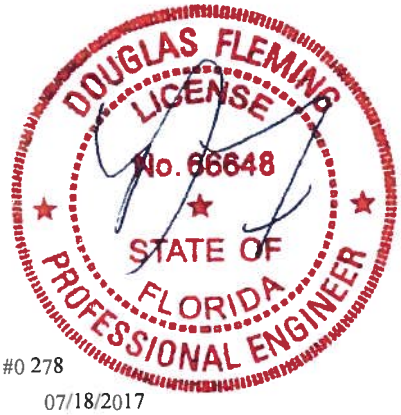
Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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

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

Bearing at location x=0' uses the following support conditions:
Bearing A (0', 9'1"2) LUS26
Supporting Member: (1)2x6 SP M-31
(4) 0.148"x3" nails into supporting member,
(3) 0.148"x3" nails into supported member.

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



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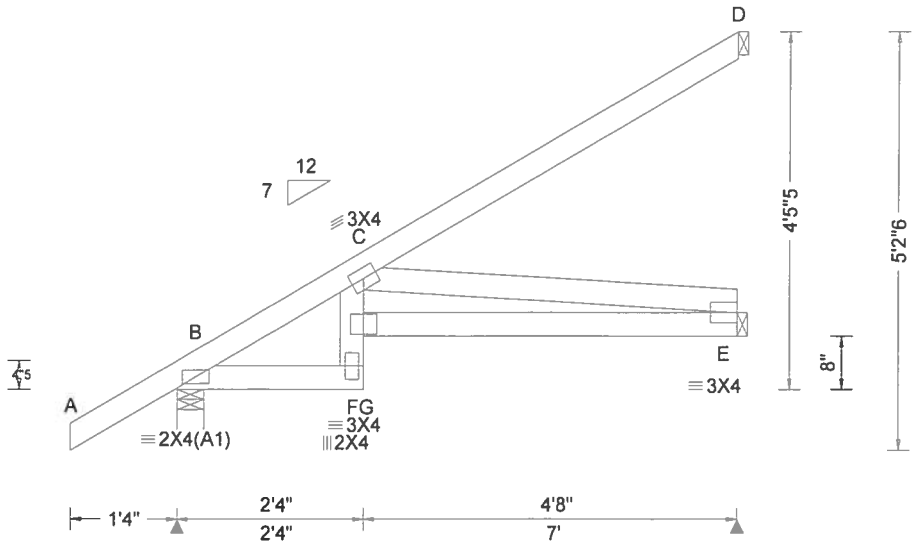
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J09	Ply: 1 Qty: 7	SEQN: 478522 / T3 EJAC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.31070 KM / DF 07/18/2017



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
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 2014 RES
TPI Std: 2007
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): 0.025	C	999	240
VERT(TL): 0.063	C	999	180
HORZ(LL): 0.015	E	-	-
HORZ(TL): 0.038	E	-	-

Creep Factor: 1.5
Max TC CSI: 0.144
Max BC CSI: 0.146
Max Web CSI: 0.967

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	398	/ 1	/ 275	/ -	/ 92	/ 4.0
E	155	/ 6	/ 118	/ -	/ -	/ 1.5
D	140	/ 30	/ 73	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
E Min Brg Width Req = -
D Min Brg Width 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	28	- 387

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.
F - E	579	- 291

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.
C - E	293	- 582

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Wind

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

#0 278

07/18/2017

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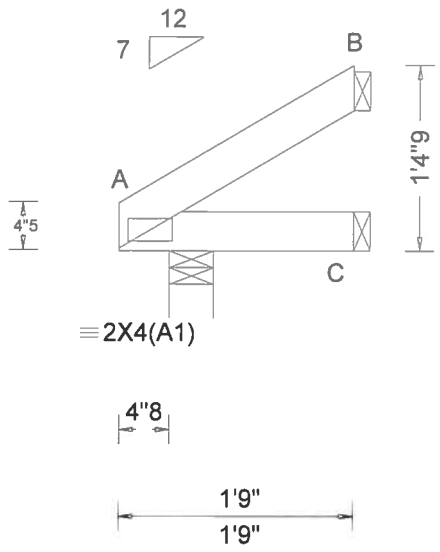
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J10	Ply: 1 Qty: 1	SEQN: 478692 / T27 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.32187 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): -0.001 B - -
HORZ(TL): -0.002 B - -
Creep Factor: 1.5
Max TC CSI: 0.017
Max BC CSI: 0.021
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	105	/ -	/ 76	/ -	/ 28	/ 4.0
C	12	/ 12	/ 10	/ -	/ -	/ 1.5
B	52	/ 23	/ 26	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
C Min Brg Width Req = -
B Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

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

Left cantilever is exposed to wind

#0 278
07/18/2017

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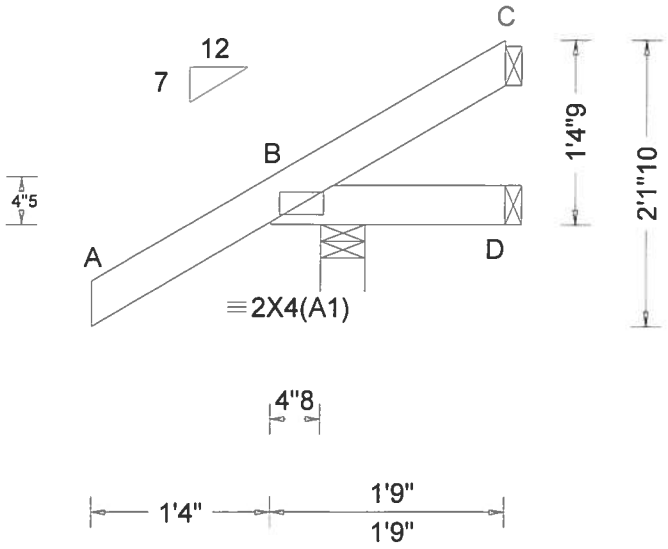
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J11	Ply: 1 Qty: 4	SEQN: 478690 / T11 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.33280 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): -0.003	C	-	-
HORZ(TL): -0.007	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.055
Max BC CSI: 0.072
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	286	/ 53	/ 228	/ -	/ 51	/ 4.0
D	-69	/ 69	/ 27	/ -	/ -	/ 1.5
C	19	/ 11	/ 19	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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

Left cantilever is exposed to wind

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
#0 278
07/18/2017

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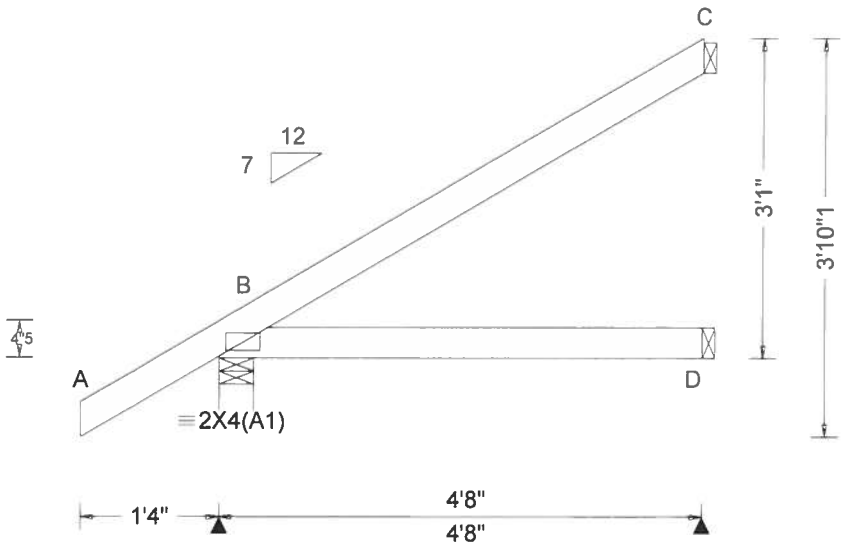
ALPINE AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J12	Ply: 1 Qty: 5	SEQN: 478601 / T1 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.34420 KM / DF 07/18/2017



Loading Criteria (psf)	**Wind Criteria**	**Snow Criteria** (Pg,Pf in PSF)	**Defl/CSI Criteria**
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 2014 RES TPI Std: 2007 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): 0.002 D - - HORZ(TL): 0.006 D - - Creep Factor: 1.5 Max TC CSI: 0.107 Max BC CSI: 0.085 Max Web CSI: 0.000 VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
B	307	/ 7	/ 218	/ -	/ 66	/ 4.0
D	84	/ -	/ 59	/ -	/ -	/ 1.5
C	121	/ 26	/ 62	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
B Min Brg Width Req = 1.5
D Min Brg Width Req = -
C Min Brg Width Req = -
Bearing B is a rigid surface.

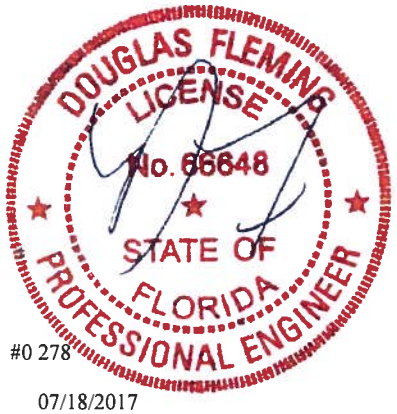
Members not listed have forces less than 375#

Lumber

Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

Wind

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



#0 278

07/18/2017

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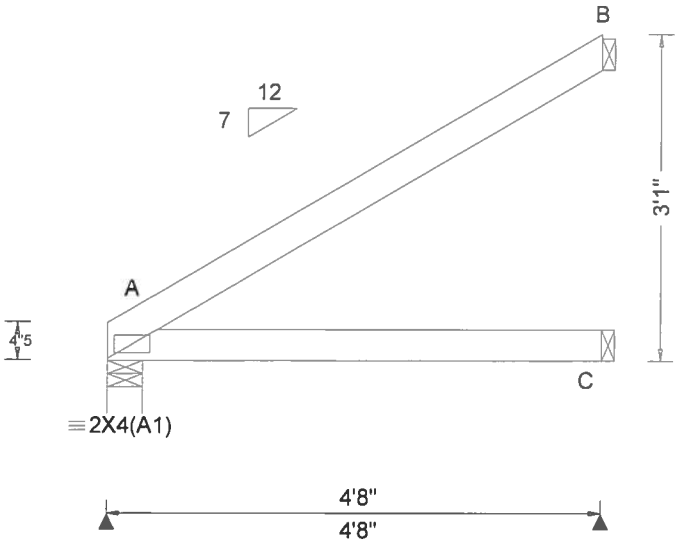
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J13	Ply: 1 Qty: 1	SEQN: 478599 / T18 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.35620 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.004	C	-	-
HORZ(TL): 0.009	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.124
Max BC CSI: 0.091
Max Web CSI: 0.000

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

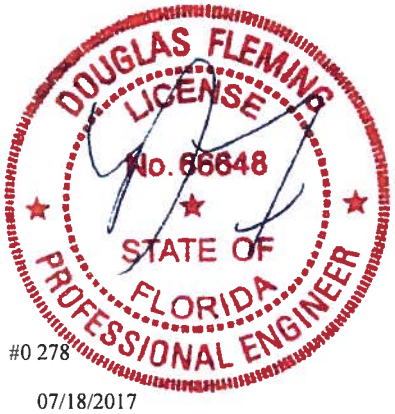
Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	200	/ -	/ 129	/ -	/ 51	/ 4.0
C	87	/ -	/ 63	/ -	/ -	/ 1.5
B	130	/ 28	/ 70	/ -	/ -	/ 1.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
C Min Brg Width Req = -
B Min Brg Width Req = -
Bearing A is a rigid surface.

Members not listed have forces less than 375#

Lumber
Top chord 2x4 SP M-31
Bot chord 2x4 SP M-31

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



#0 278

07/18/2017

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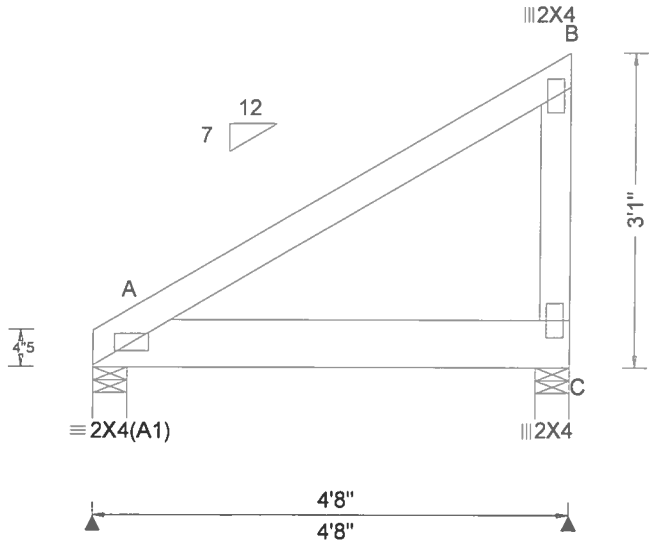
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** J14	Ply: 1 Qty: 1	SEQN: 478597 / T67 MONO FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.36633 KM / DF 07/18/2017



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 2014 RES
TPI Std: 2007
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): 0.009	C	-	-
HORZ(TL): 0.022	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.180
Max BC CSI: 0.346
Max Web CSI: 0.084

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs)

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	950	/ 185	/ -	/ -	/ -	/ 4.0
C	531	/ 112	/ -	/ -	/ -	/ 4.0

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

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-31
Bot chord 2x6 SP M-31
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

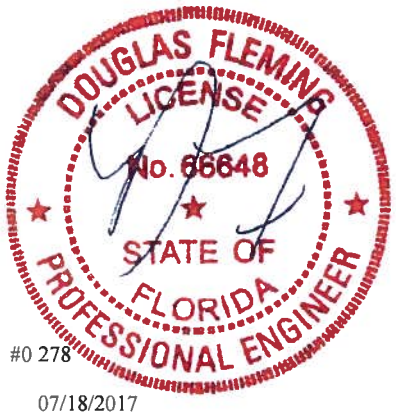
Special Loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 63 plf at 0.00 to 63 plf at 4.67
BC- From 10 plf at 0.00 to 10 plf at 4.67
BC- 550 lb Conc. Load at 0.56
BC- 589 lb Conc. Load at 2.56

Wind

Wind loads and reactions based on MWFRS.

Right end vertical not exposed to wind pressure.



#0 278

07/18/2017

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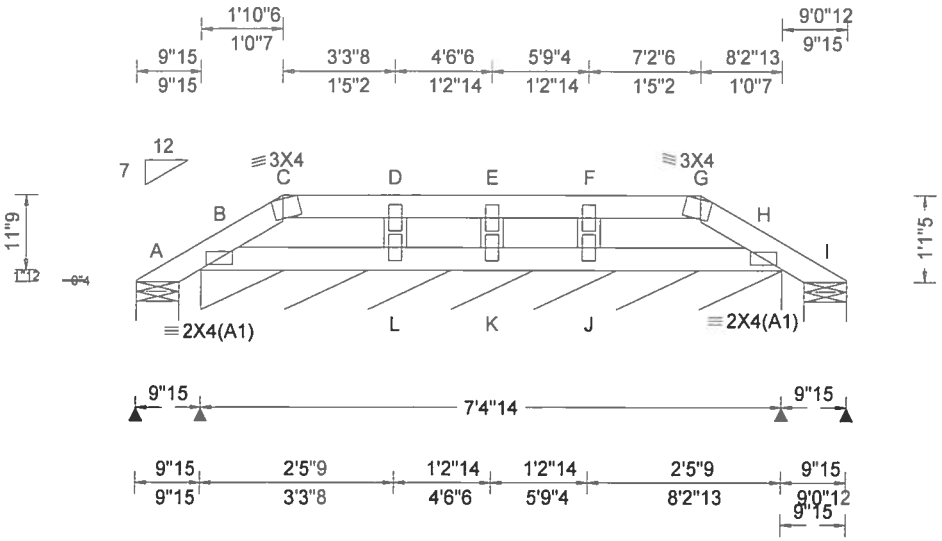
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P01	Ply: 1 Qty: 1	SEQN: 478545 / T52 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.37797 KM / DF 07/18/2017



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: 21.16 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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 2014 RES
TPI Std: 2007
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): 0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.014
Max BC CSI: 0.016
Max Web CSI: 0.024

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	19	/ 10	/ 22	/ -	/ 26	/ 6.5
B*	91	/ 18	/ 48	/ -	/ -	/ 88.9
I	19	/ 3	/ 14	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
I Min Brg Width Req = 1.5
Bearings A, B, & I are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

Purlins

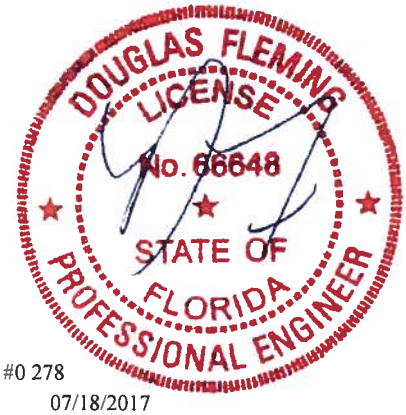
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278
07/18/2017

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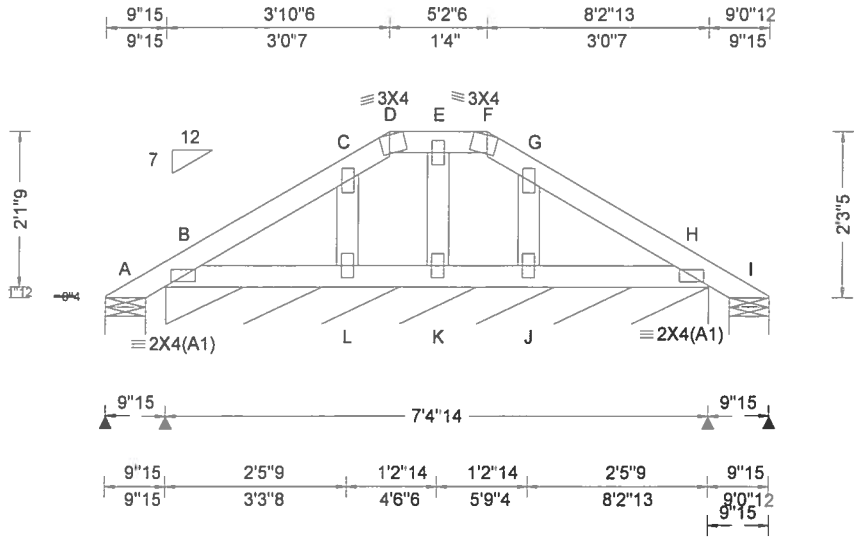
For more information see this job's general notes page and these web sites ALPINE www.alpineitw.com; TPI www.tpinst.org; SBCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P02	Ply: 1 Qty: 1	SEQN: 478519 / T64 COMN FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.44760 KM / DF 07/18/2017



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: 21.74 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 2014 RES
TPI Std: 2007
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	J	999	240
VERT(TL): 0.001	J	999	180
HORZ(LL): 0.000	J	-	-
HORZ(TL): 0.001	L	-	-

Creep Factor: 1.5
Max TC CSI: 0.015
Max BC CSI: 0.015
Max Web CSI: 0.023

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	8	/ 29	/ 38	/ -	/ 58	/ 6.5
B*	94	/ 7	/ 52	/ -	/ -	/ 88.9
I	8	/ 0	/ 9	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
I Min Brg Width Req = 1.5
Bearings A, B, & I are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

Purlins

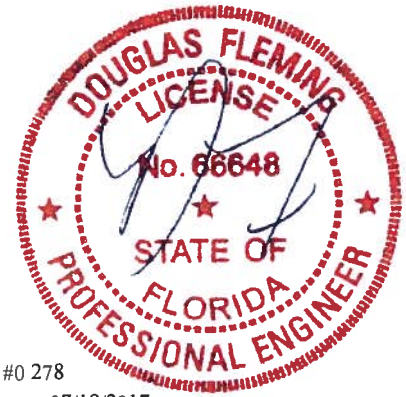
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278
07/18/2017

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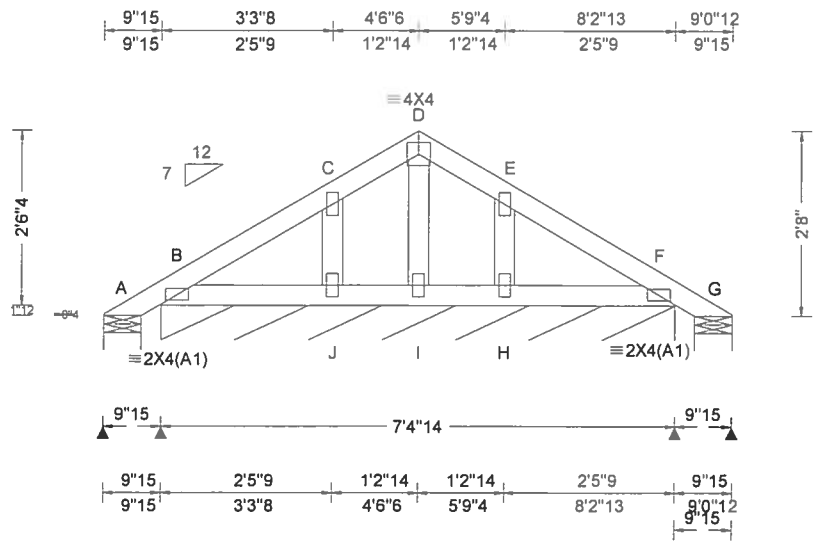
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P03	Ply: 1 Qty: 4	SEQN: 478523 / T63 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.46047 KM / DF 07/18/2017



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: 21.94 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 2014 RES
TPI Std: 2007
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	H	999	240
VERT(TL): 0.001	H	999	180
HORZ(LL): 0.000	H	-	-
HORZ(TL): 0.001	J	-	-

Creep Factor: 1.5
Max TC CSI: 0.015
Max BC CSI: 0.015
Max Web CSI: 0.028

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	8	/ 35	/ 43	/ -	/ 69	/ 6.5
B*	94	/ 7	/ 53	/ -	/ -	/ 88.9
G	8	/ -	/ 9	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
G Min Brg Width Req = 1.5
Bearings A, B, & G are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

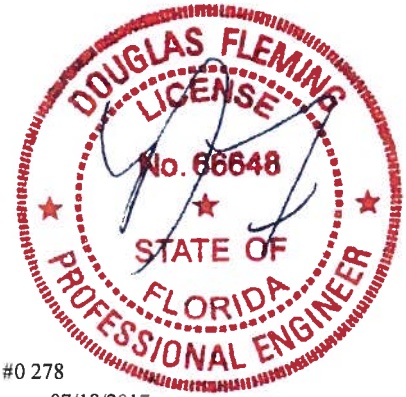
All plates are 2X4 except as noted.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278
07/18/2017

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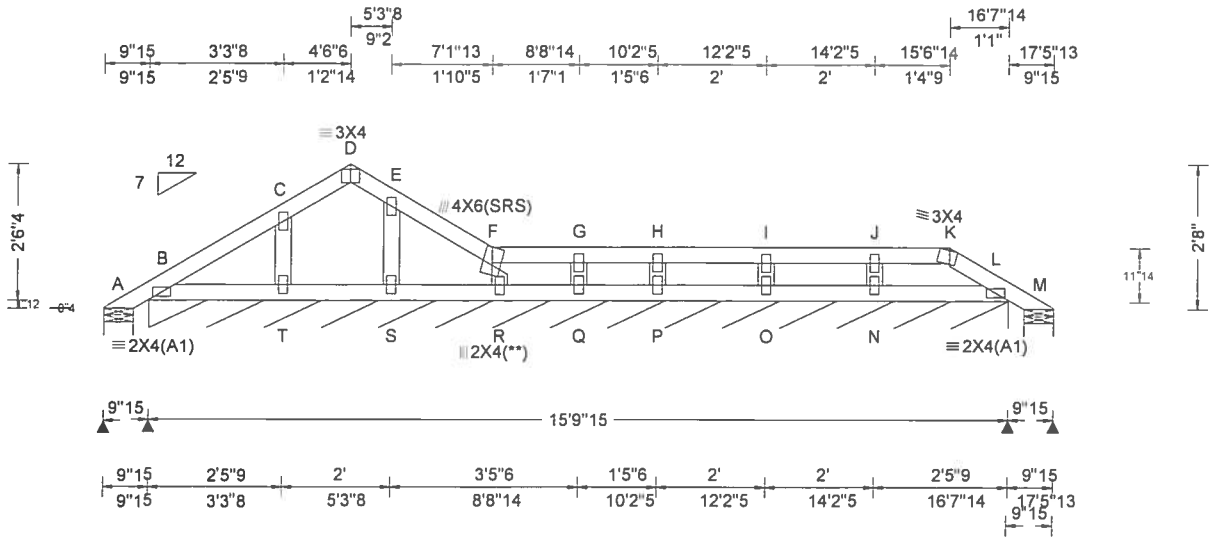
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P04	Ply: 1 Qty: 1	SEQN: 478541 / T62 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.48107 KM / DF 07/18/2017



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: 21.94 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 2014 RES
TPI Std: 2007
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	K	999	240
VERT(TL): 0.004	K	999	180
HORZ(LL): 0.001	F	-	-
HORZ(TL): -0.002	K	-	-

Creep Factor: 1.5
Max TC CSI: 0.024
Max BC CSI: 0.018
Max Web CSI: 0.025

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	8	/ 33	/ 43	/ -	/ 69	/ 6.5
B*	88	/ 15	/ 47	/ -	/ -	/ 189
M	9	/ -	/ 15	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
M Min Brg Width Req = 1.5
Bearings A, B, & M are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

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

Purlins

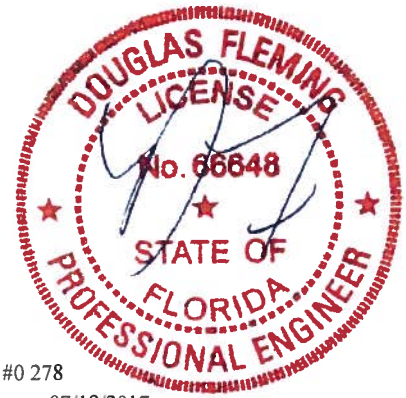
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278
07/18/2017

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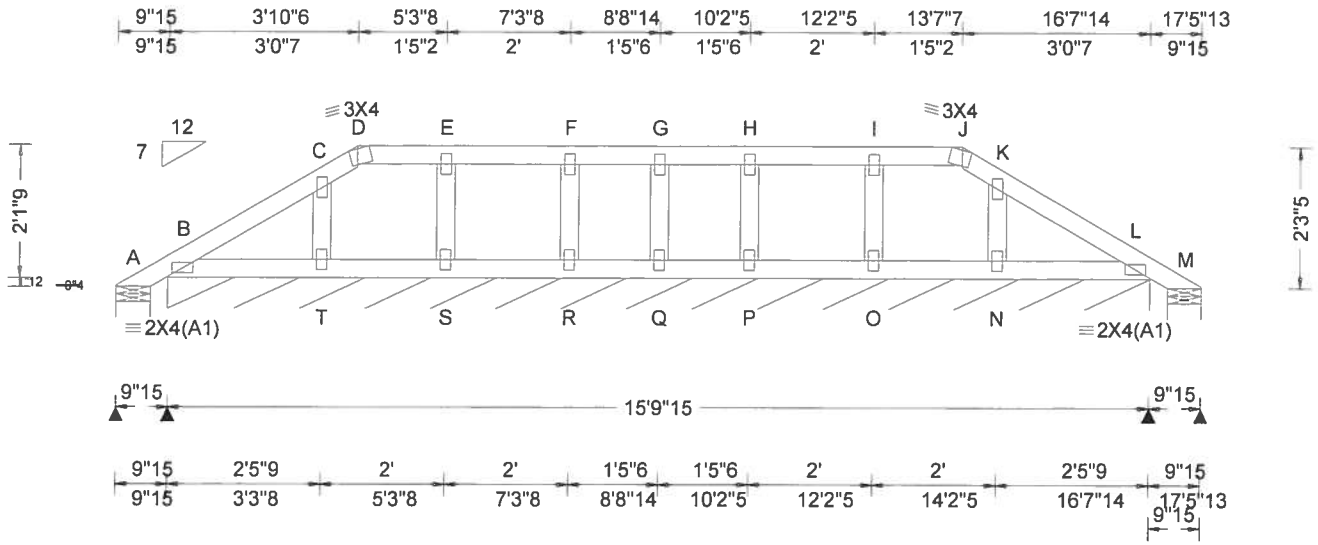
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P05	Ply: 1 Qty: 1	SEQN: 478558 / T61 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.49403 KM / DF 07/18/2017



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: 21.74 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 2014 RES
TPI Std: 2007
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	D	999	240
VERT(TL): 0.002	D	999	180
HORZ(LL): 0.000	N	-	-
HORZ(TL): 0.001	D	-	-

Creep Factor: 1.5
Max TC CSI: 0.018
Max BC CSI: 0.017
Max Web CSI: 0.024

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	8	/ 29	/ 38	/ -	/ 58	/ 6.5
B*	88	/ 16	/ 46	/ -	/ -	/ 189
M	8	/ 0	/ 10	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
M Min Brg Width Req = 1.5
Bearings A, B, & M are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

Purlins

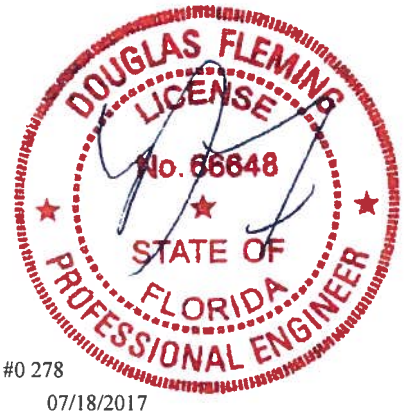
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



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07/18/2017

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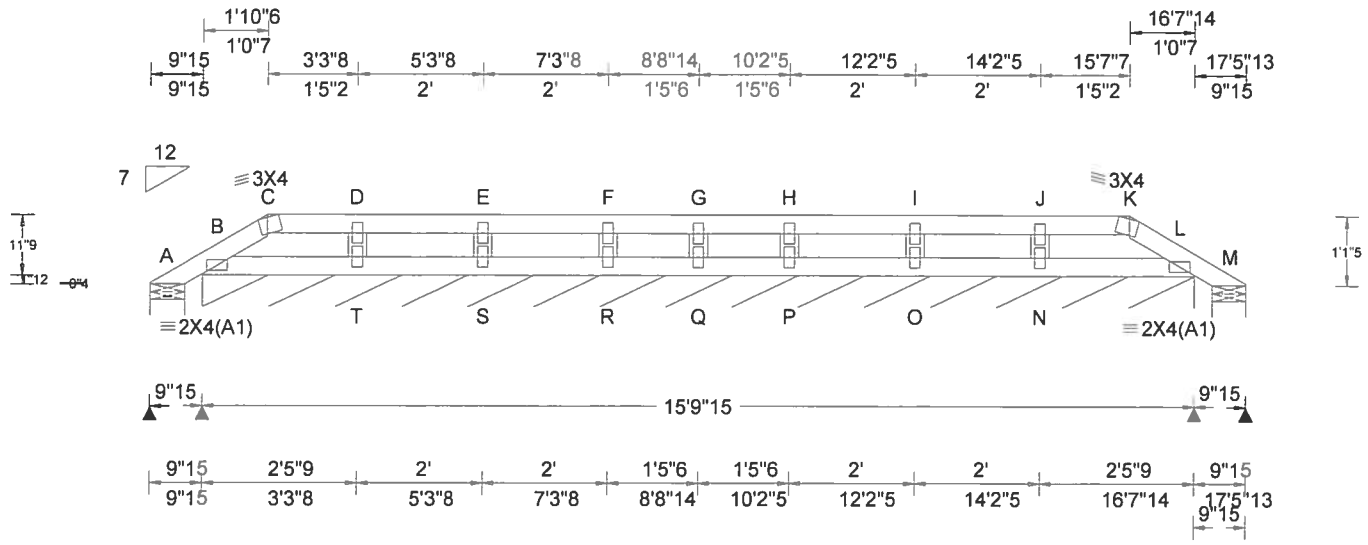
ALPINE
AN ITW COMPANY
2400 Lake Orange Dr.
Suite 150
Orlando FL, 32837

Job Number: 17-1618 GREEN RESIDENCE **Truss Label:** P06	Ply: 1 Qty: 1	SEQN: 478526 / T60 SPEC FROM: CDM	Cust: R215 JRef: 1W2L2150001 DrwNo: 199.17.0732.52677 KM / DF 07/18/2017



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: 21.16 ft
TCDL: 5.0 psf
BCDL: 5.0 psf
MWFRS Parallel Dist: h to 2h
C&C Dist a: 3.00 ft
Loc. from endwall: not in 9.00 ft
GCpi: 0.18
Wind Duration: 1.60

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 2014 RES
TPI Std: 2007
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): 0.000	C	-	-
HORZ(TL): 0.001	C	-	-

Creep Factor: 1.5
Max TC CSI: 0.021
Max BC CSI: 0.018
Max Web CSI: 0.024

VIEW Ver: 16.02.01B.0131.17

▲Maximum Reactions (lbs), or *=PLF

Loc	R	/ U	/ Rw	/ Rh	/ RL	/ W
A	14	/ 11	/ 21	/ -	/ 26	/ 6.5
B*	87	/ 21	/ 44	/ -	/ -	/ 189
M	14	/ 3	/ 13	/ -	/ -	/ 6.5

Wind reactions based on MWFRS
A Min Brg Width Req = 1.5
B Min Brg Width Req = -
M Min Brg Width Req = 1.5
Bearings A, B, & M are a rigid surface.

Members not listed have forces less than 375#

Lumber

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Plating Notes

All plates are 2X4 except as noted.

Purlins

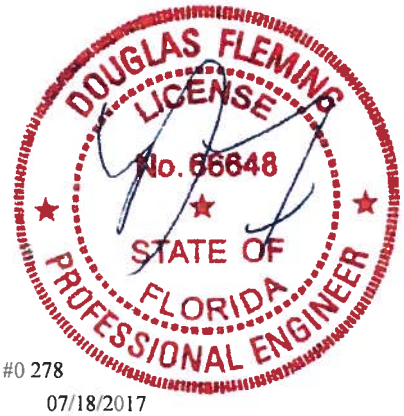
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

Wind

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

Additional Notes

Refer to DWG PB160101014 for piggyback details.



#0 278
07/18/2017

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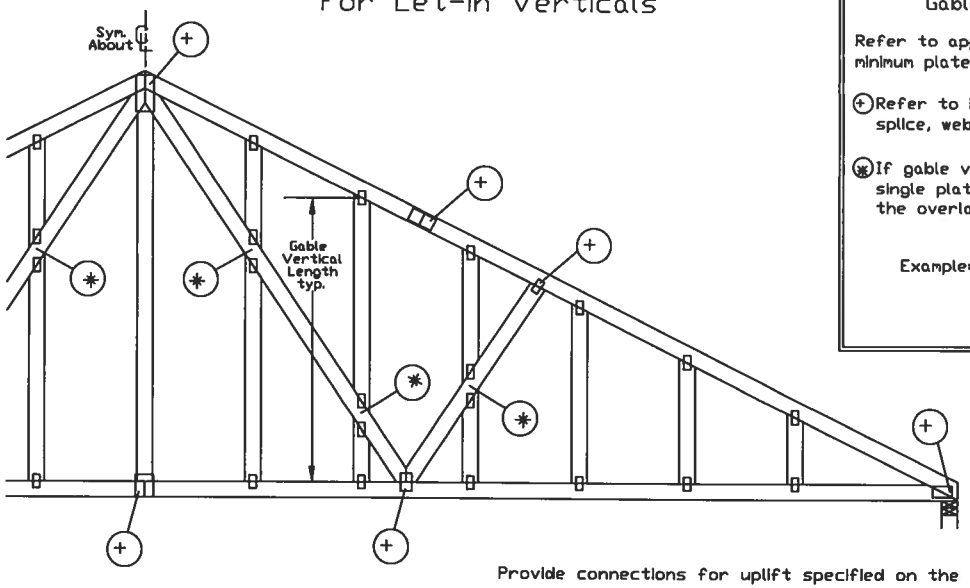
Orlando FL, 32837

Gable Detail
For Let-in Verticals



Gable Truss Plate Sizes

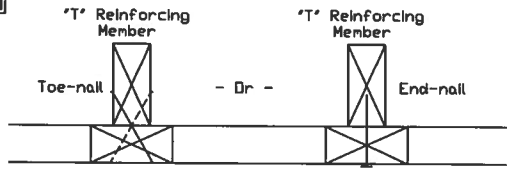
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

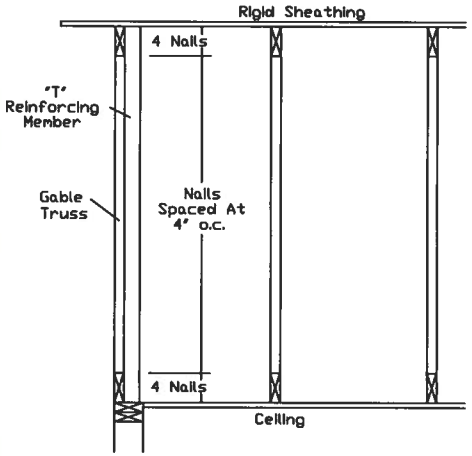
⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊛ 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 bottom chords.

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

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

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

ASCE 7-10 Gable Detail Drawings
A11515ENC101014, A12015ENC101014, A14015ENC101014, A16015ENC101014, A18015ENC101014, A20015ENC101014, A20015END101014, A20015PED101014, A11530ENC101014, A12030ENC101014, A14030ENC101014, A16030ENC101014, A18030ENC101014, A20030ENC101014, A20030END101014, A20030PED101014, S11515ENC100815, S12015ENC100815, S14015ENC100815, S16015ENC100815, S18015ENC100815, S20015ENC100815, S20015END100815, S20015PED100815, S11530ENC100815, S12030ENC100815, S14030ENC100815, S16030ENC100815, S18030ENC100815, S20030ENC100815, S20030END100815, S20030PED100815

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 bottom chord.

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

Web Length Increase w/ 'T' Brace

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

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

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BOB LEE FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0 278 07/18/2017

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

REF	LET-IN VERT
DATE	10/01/14
DRWG	GBLLETIN1014

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

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

Max Gable Vertical Length

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

Bracing Group Species and Grades:

Group A:

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

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#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 100 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.

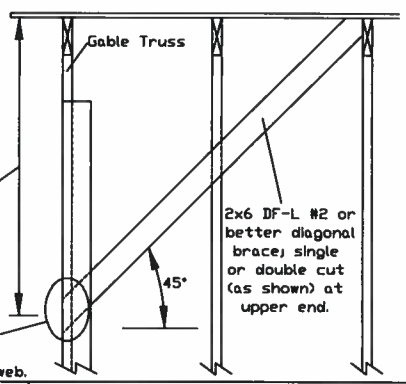
Attach 'L' braces with 10d (0.128"x3.0" min) nails.

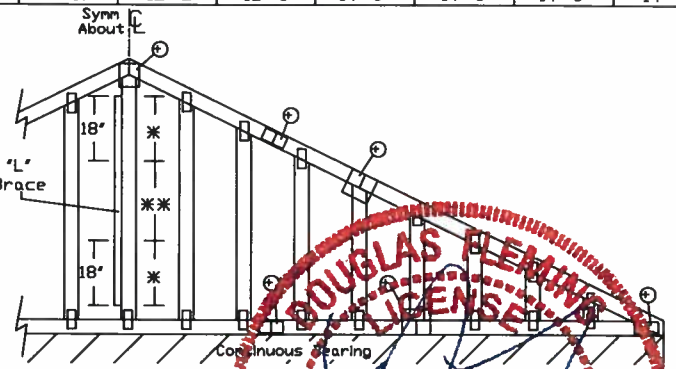
* For (1) 'L' brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

** 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.

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 525# at each end. Max web total length is 14'.





Refer to chart above for max. gable end length.

Gable Vertical Plate Sizes

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

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

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

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#0.278
07/18/2017

MAX. TOT. L.D. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB14030
DATE	10/01/14
DRWG	A14030ENC101014

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

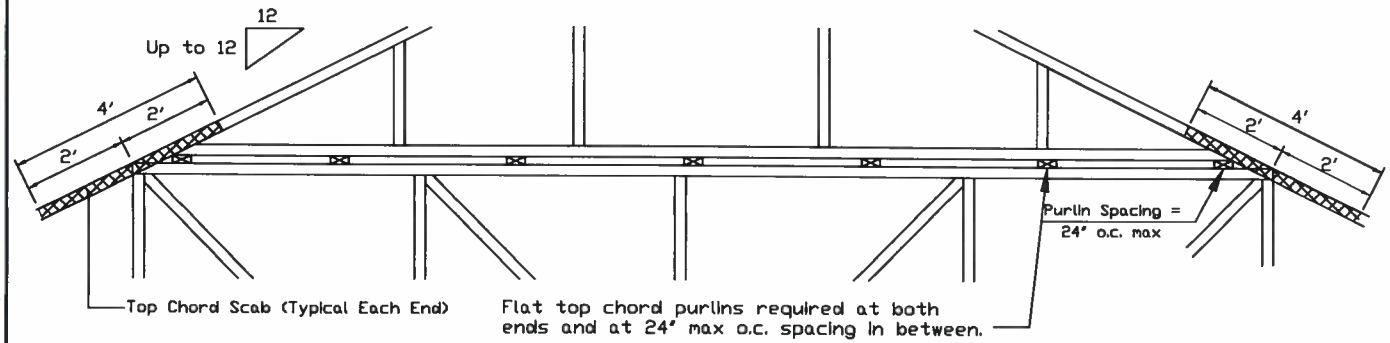
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.

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

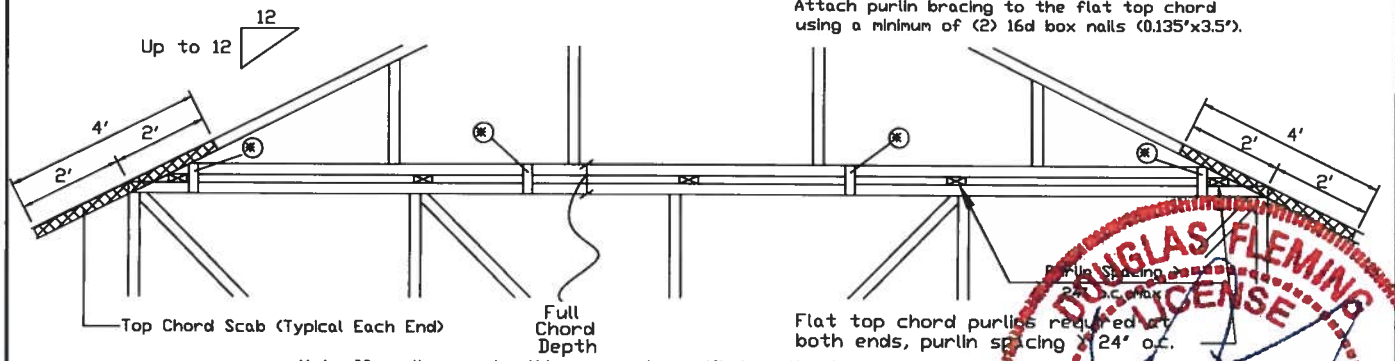


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

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.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0278 07/18/2017

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

CLR Reinforcing Member Substitution

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

Notes:

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

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

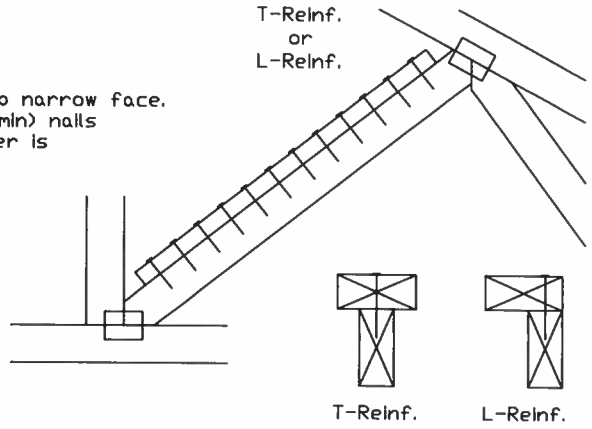
Web Member Size	Specified CLR Restraint	Alternative Reinforecement T- or L- Reinf.	Scab Reinf.
2x3 or 2x4	1 row	2x4	1-2x4
2x3 or 2x4	2 rows	2x6	2-2x4
2x6	1 row	2x4	1-2x6
2x6	2 rows	2x6	2-2x4 (*)
2x8	1 row	2x6	1-2x8
2x8	2 rows	2x6	2-2x6 (*)

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

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

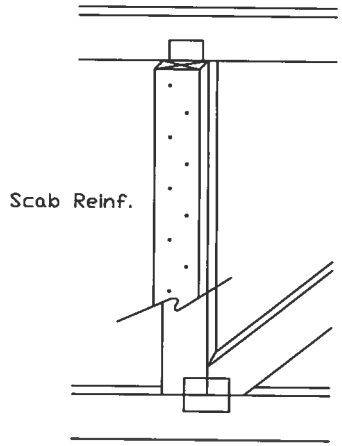
T-Reinforcement or L-Reinforcement:

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



Scab Reinforcement:

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



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Maryland Heights, MO 63043

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

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

Commentary: Deflection and Camber

Camber may be built into trusses to compensate for the vertical deflection that results from the application of loads. Providing camber has the following advantages:

- Helps to ensure level ceilings and floors after dead loads are applied.
- Facilitates drainage to avoid ponding on flat or low slope roofs.
- Compensates for different deflection characteristics between adjacent trusses.
- Improves appearance of garage door headers and other long spans that can appear to "sag."
- Avoids "dips" in roof ridgelines at the transition from the gable to adjacent clear span trusses.

In accordance with ANSI/TPI 1 the Building Designer, through the Construction Documents, shall provide the location, direction, and magnitude of all loads attributable to ponding that may occur due to the design of the roof drainage system. The Building Designer shall also specify any dead load, live load, and in-service creep deflection criteria for flat or low-slope roofs subject to ponding loads.

The amount of camber is dependent on the truss type, span, loading, application, etceteras.

More restrictive limits for allowable deflection and slenderness ratio (L/D) may be required to help control vibration.

The following tables are provided as guidelines for limiting deflection and estimating camber. Conditions or codes may exist that require exceeding these recommendations, or past experience may warrant using more stringent limitations.

L = Span of Truss (inches)
D = Depth of Truss at Deflection Point (inches)

Recommended Truss Deflection Limits

Truss Type	L/D	Deflection Limits	
		Live Load	Total Load
Pitched Roof Trusses	24	L/240 (vertical)	L/180 (vertical)
Floor of Room-In-Attic Trusses	24	L/360 (vertical)	L/240 (vertical)
Flat or Shallow Pitched Roof Trusses	24	L/360 (vertical)	L/240 (vertical)
Residential Floor Trusses	24	L/360 (vertical)	L/240 (vertical)
Commercial Floor Trusses	20	L/480 (vertical)	L/240 (vertical)
Scissors Trusses	24	0.75" (horizontal)	1.25" (horizontal)

Truss Type	Recommended Camber
Pitched Trusses	1.00 x Deflection from Actual Dead Load
Sloping Parallel Chord Trusses	1.5 x Vertical Deflection from Actual Dead Load
Floor Trusses	(0.25 x Deflection from Live Load) + Actual Dead Load
Flat Roof Trusses	(0.25 x Deflection from Live Load) + (1.5 x Design Dead Load Deflection)

Note: The actual camber required may be considerably less than the design load camber.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

#0278 07/18/2017

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

REF	DEFLEC/CAMB
DATE	10/01/14
DRWG	DEFLCAMB1014

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	Brace Grade	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.

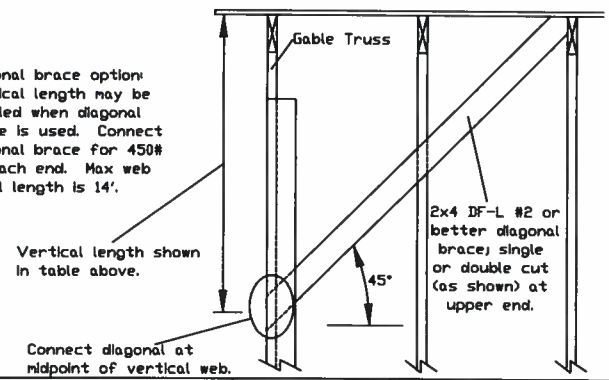
Gable Vertical Plate Sizes

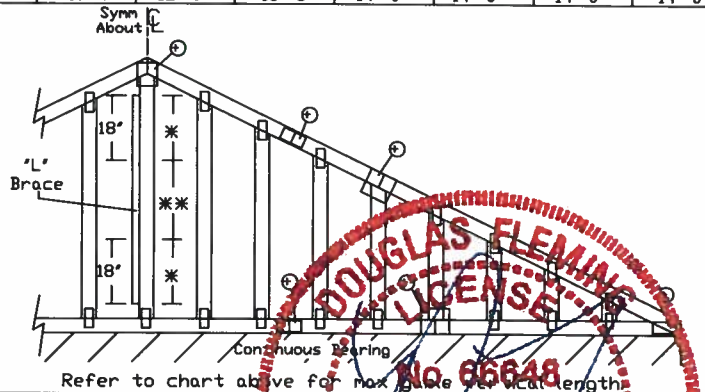
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0"	3X4

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

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

Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.





Refer to chart above for max gable vertical length.

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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-10-GAB14015
DATE 10/01/14
DRWG A14015ENC101014