### Alpine, an ITW Company

2400 Lake Orange Drive suite 150 Orlando FL 32837
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1VD5487-Z0113160052

Truss Fabricator: Anderson Truss Company

Job Identification: 14-215E--OWNER BUILDER /Res for Rimrock Developme -- Lake

Truss Count: 9

Model Code: Florida Building Code 2014 or 2010

Truss Criteria: FBC2010Res/TPI-2007(STD)

Engineering Software: Alpine Software, Version 14.03.

Structural Engineer of Record: The identity of the structural EOR did not exist as of

Address: the seal date per section 61G15-31.003(5a) of the FAC

Minimum Design Loads: Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 130 MPH ASCE 7-10 -Closed

Notes:

 Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1

The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Details: BRCLBSUB-14030EC1-GBLLETIN-PB16010-

#	Ref Description	Drawing#	Date
1	20296A 29' Common	15013004	01/13/15
2	20297A1 29' Attic	15013003	01/13/15
3	20298-A4 28'10"8 Attic	15013005	01/13/15
4	20299C 39' Attic	15013006	01/13/15
5	20306-DGEC 39' Gable G	15013007	01/13/15
6	20307-PBA 7'6"2 Common	15013002	01/13/15
7	20308-PBC 17'6"2 Speci	15013001	01/13/15
8	20309-A2 29' Attic Gir	15013002	01/13/15
9	20310-A3 28'10"8 Attic	15013001	01/13/15

Oity, FL STATA OF

01/13/2015

William H. Krick
-Truss Design Engineer-

2400 Lake Orange Dr, Suite 150 Orlando FL, 32837



In lieu of structural panels use purlins to brace all flat TC @ 24"  $\,$  0C. Top chord 2x4 SP #1 Bot chord 2x4 SP #1 Webs 2x4 SP #3 Value Set: 13B (Effective 6/1/2013) Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.  $\ensuremath{\mbox{\ensuremath{\ensuremath{\ensuremath{\mbox{\ensuremath}\ensuremath$ Lumber value set "13B" uses design values approved 1/30/2013 by ALSC ( 14-215E--OWNER BUILDER /Res for Rimrock Developme -- Lake City, FL - A 29' Common ) PLT TYP. Wave 2400 Lake Orange Dr., Suite 150 Orlando, FL 32837 FL COA #0 278 AN ITW COMPANY K2-0-0 2.5X6 ◈ 2.5X6 III R=1285 U=98 W=3.5" RL=247/-247 Trusses require extreme care in fabricating, handling, shipping, investing and BCGA for safety. Refer to least solution of SEGS (Building Component Safety) information, by TPI and BCGA for safety p to percent of these functions. Installing safety between the safety percent of these functions. Installing safety between the safety percent of these functions. Installing safety and safety and safety and safety safety and safety safety and safety safety safety safety. Alpine, a division of ITB Building Components Group inc. shall not be responsible for any darawing, any failure to build the trues in conformance with AMSI/TPI 1, or for handling. shi installation & bracing of trueses. rigid ceiling. Lucations shown for permanent lected restraint of weaks shall have bracing it sactions 83, 8 or 810, as applicate, Apply plates to each face of truss and position as the point of the John Decal is, unless noted observings. Refer to drawings 160A-2 for standard plate posts the John Decal is, unless noted observings. teel on this drawing or cover page listing this drawing, indicates acceptance of profession, wagonalbility solely for the design shown. The suitability and use of this drawing for any emponelbility of the Building besigner per ANSI/TPI 1 Sec. 2. 0 For more information see this job's general notes page and these web sites: wew.elpineite.com: TPI: www.tpinet.org: WTCA: wew.abcindustry.com: ICC: www.loci 4X4 = 3X4 / 10-8-15 Design Crit: FBC2010Res/TPI-2007(STD) 3X5 W 14-5-12 FT/RT=10%(0%)/0(0) 5X6 ≡ 29-0-0 Over 2 Supports 1.5X3 Ⅲ 7X6(R) 130 mph wind, 15.64 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18 Calculated horizontal deflection is 0.11" due to live load and 0.16" due to dead load. Wind loads and reactions based on NWFRS with additional C&C member Bottom chord checked for 10.00 psf non-concurrent live load design. 14.03.01.1120.16 5X6 ≡ 3X4 ≝ 01/13/2015 14-6-4 3X4 / QTY:11 FL/-/5/-/-/R/-10-8-15 4X4 ≥ 3X4 / BC DL BC LL TC DL TC LL SPACING DUR. FAC. TOT.LD. R=1285 U=98 W=4" 10 20.0 PSF 37.0 PSF 10.0 PSF 1.25 0.0 PSF 7.0 PSF 24.0" 2.5X6 2.5X6 II k2-0-₽ DATE REF R9114- 20296 SEQN-HC-ENG JB/WHK DRW HCUSR9114 15013004 FROM Scale = .25"/Ft. JREF- 1VD5487\_Z01 MM 01/13/15 386321

Top chord 2x4 SP M-30 :T2, T4 2x6 SP SS: :T3 2x4 SP #1:
Bot chord 2x6 SP M-26 :B2, B4 2x8 SP 2400f-2.0E:
:B3 2x4 SP #1:
Webs 2x4 SP #3 :\mathbb{W}1 2x4 SP M-30:
:\mathbb{W}16 2x4 SP 2850f-2.3E:

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

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

In lieu of structural panels use purlins to brace all flat TC @ 24  $^{\prime\prime}$  OC.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-8-1 to 21-3-15.

WWFRS loads based on trusses located at least 15.64 ft. from roof

130 mph wind, 15.64 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member

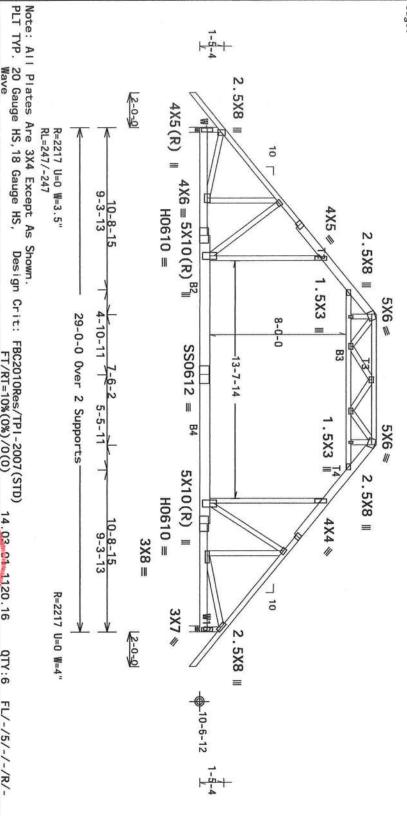
Calculated horizontal deflection is 0.13" due to live load and 0.23"

Bottom chord checked for 10.00 psf non-concurrent live load

due to dead load

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Wave \*\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS. FT/RT=10%(0%)/0(0)

TC LL

20.0 PSF

REF R9114- 20297

Scale = .1875"/Ft.

AN ITW COMPANY Alpine, a division of ITM Building Components Group Inc., shall not be responsible for any devidrating, any failure to build the truss in conformance with AMSI/TPI 1, or for handling, shippinstellation & breeing or trusses. rigid celling, Leakions shown for persament lataral restraint of mabs shall have broating ins sections B3, B7 or B10, as usplicable. Apply plates to each face of truss and position as sho the Johnt Details, unless nated otherwise. Refer to drawings 1604-2 for standard plate position Trusses require servess care in fabricating, bandling, shipping, invastiling and bracing, Berer the letest of the or RSS (shilding Component Sarety Information, by TPI and WECA) for sarety pro performing these functions. Installers shall provide temporary bracing per BSS. Whees not top closed shall have properly stratched scructural shaething and bottom close shall have a properly for the shall be a shall provide temporary bracing and bottom close the properly provided the shall have bracing inspiring the shall have bracing inspiring. seal on this dresing or cover page listing this dresing, indicates acceptance or professions seasons billity solely for the design shome. The suitability and use of this drawing for any steppomibility of the Building Designer per ANSI/TPI 1 Sec. 2. BC LL BC DL TC DL DUR. FAC. TOT. LD.

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ALPINE: www.alpinoitw.com: TPI: www.tpinst.org: WTCA: www.sbcindustry.com: ICC: www.lccsu

SPACING

24.0"

JREF- 1VD5487\_Z01

1.25

FROM

37.0 PSF

SEQN-

385724

10.0 PSF 7.0 PSF

DATE

01/13/15

0.0 PSF

HC-ENG JB/WHK DRW HCUSR9114 15013003

Top chord 2x4 SP 2850f-2.3E :T2 2x6 SP SS: :T3 2x4 SP #1: :T4 2x6 SP #1 Dense:
Bot chord 2x6 SP #1 Dense :B2, B4 2x8 SP 2400f-2.0E: :B3 2x4 SP #1:

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

Webs 2x4 SP #3

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

In lieu of structural panels use purlins to brace all flat TC @ 24"  $\,$  OC.

Collar-tie braced with continuous lateral bracing at 24  $\!\!^{\circ}$  OC, or rigid ceiling.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 7-6-9 to 21-2-7.

130 mph wind, 15.64 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf. GCpi(+/-)=0.18

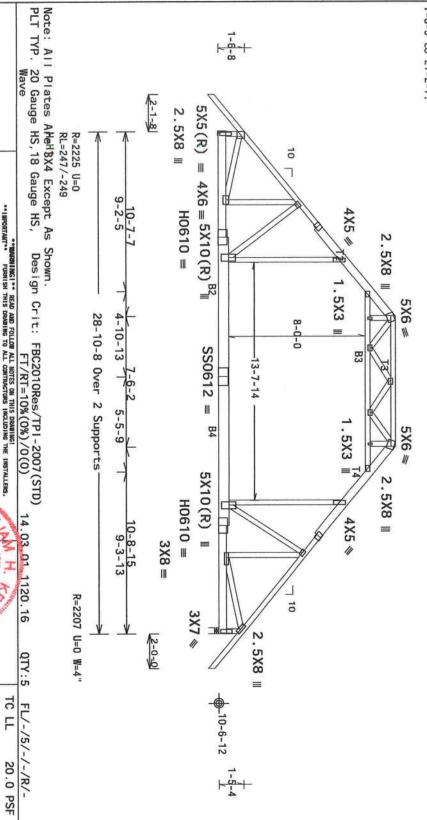
design. Wind loads and reactions based on MWFRS with additional C&C member

Calculated horizontal deflection is 0.13" due to live load and 0.22" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

edge. NWFRS loads based on trusses located at least 31.29 ft. from roof



rigid celling. Lucations shumn for permanent lateral restraint, of embs shall have bracing in sections B3, B7 or B10, as applicable, Apply plates to each face of truss and position as sh the Joint Details, unless noted otherwise, Refer to drawings 150A-2 for standard plate posit Trusses require extreme care in fabricating, handling, shipping, invasiling and bracing, Refer the latest celture of RSS1 (will ding Component Servey Information, by TPI and WECA) for extrey programming these functions. Installers shall provide temporary butten good ESS1, thinks may tap chord shall have a properly attached structural shaething and battom clore detail have a properly returned to the properly attached structural shaething and battom clore detail have a properly for the properly attached structural shaething and battom clore battle have a properly for the properly attached structural shaething and battom considerations. \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

TC DL

7.0 PSF

DATE REF

01/13/15

Scale = .1875"/Ft. R9114- 20298

10.0 PSF 0.0 PSF

DRW HCUSR9114 15013005

JB/WHK

386287

BC LL BC DL

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easi on this dresting or cover page listing this dresting, indicates acceptance of professional expensional social social for the design shown. The suitablity and use of this dresting for any as supportability of the building besigner per ARSI/TPI 1 Sec.2.

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2400 Luke Orange Dr., Suite 150 Orlando, FL 32837 FL COA #0 278

AN ITW COMPANY



SPACING DUR. FAC. TOT.LD.

24.0" 1.25 37.0 PSF

JREF- 1VD5487\_Z01

FROM SEQN-HC-ENG

LIM

Top chord 2x4 SP #1
Bot chord 2x6 SP SS :B2, B:
:B3, B4 2x8 SP 2400f-2.0E:
Webs 2x4 SP #3 B5 2x4 SP #1:

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

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

In lieu of structural panels use purlins to brace all flat TC @ 24"  $\,$  0C.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 12-7-15 to 26-3-13.

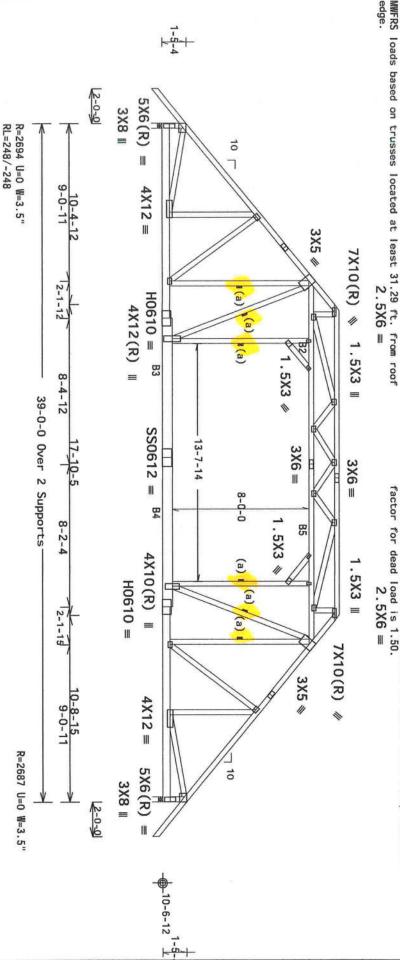
130 mph wind, 15.64 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf. GCpi(+/-)=0.18design. Wind loads and reactions based on MWFRS with additional C&C member

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10.00 psf non-concurrent live load

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP.

Wave

2400 Lake Orange Dr., Saite 150 Orlando, FL 32837 FL COA #0 278

AN ITW COMPANY

Trusses require waterem care in fabricating, handling, shipping, installing and bracing. Barret the larest stilling of SESI (Sultding Component Sarety Information by TPI and WCA) for safety pic performing these functions. Installiers shall provide temporary bracing per BESI. Whiese negto chord shall have properly streaded extrustural shaething and bettem clored shall have properly streaded extrustural shaething and bettem clored shall have bracing inspections BS. BY or BIO. as applicable, Apply plates to each roce of truss and position as them are clored BS. BY or BIO. as applicable. Apply plates to each roce of truss and position as them are clored BS. BY or BIO. as applicable. Before to drawings 180A-Z for standard plate positions as them.

\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLIDING THE INSTALLERS.

Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0)

14.03.01.1120.16

8:YTD

FL/-/5/-/-/R/-

20.0 PSF

REF R9114- 20299

Scale = .1875"/Ft.

DATE

01/13/15

BC LL BC DL TC DL TC LL

0.0 PSF 10.0 PSF 7.0 PSF

HC-ENG JB/WHK DRW HCUSR9114 15013006

SEQN-

386332

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ALPINE: www.alpineitw.com: TPI: www.tpinst.org: NTCA: www.abcindustry.com: ICC: www.icasa

01/13/2013

SPACING DUR. FAC. TOT.LD.

24.0"

JREF- 1VD5487\_Z01

1.25 37.0 PSF

FROM

MM

Note: All Plates Are 3X4 Except As Shown.

20 Gauge HS, 18 Gauge HS,

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

Top chord 2x6 SP #2 :T3, T4 2x4 SP #1:
Bot chord 2x10 SP #2 :B2, B5 2x8 SP #1 Dense:
:B3 2x4 SP #1: :B4 2x4 SP M-30:
Webs 2x4 SP #3 :W2 2x4 SP #2:
:Stack Chord SC1 2x4 SP 2850f-2,3E::Stack Chord SC2 2x4 SP #1:

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

(++) - This plate works for both joints covered.

130 mph wind, 15.33 ft mean hot, ASCE 7-10, CLOSED bidg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf wind BC DL=5.0 psf. GCp1(+/-)=0.18

Truss designed to support 2-0-0 top chord outlookers and 10.00 PSF cladding load one face, and  $24.0^{\circ}$  span on opposite face. Top chord must not be cut or notched.

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

In lieu of structural panels use purlins to brace all flat TC @ 24  $^{\circ}$  OC.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Calculated vertical deflection is 0.46" due to live load and 0.79" to dead load at X=16-10-0.

TC - From TC - F SPECIAL LOADS 160 LB Conc. 9445 LB Conc. (LUMBER ER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
63 PLF at 0.00 to 63 PLF at 0.30
58 PLF at 10.30 to 58 PLF at 10.30
78 PLF at 10.30 to 78 PLF at 12.66
78 PLF at 26.32 to 78 PLF at 26.32
78 PLF at 26.32 to 78 PLF at 28.70
78 PLF at 28.10 to 38 PLF at 28.70
78 PLF at 28.10 to 58 PLF at 39.00 to 63 PLF at 39.00 to 63 PLF at 41.00
20 PLF at 0.00 to 20 PLF at 39.00
20 PLF at 39.00 to 20 PLF at 39.00 Load at 12.6 Load at 5.06

CLUSTER AT 5.06 CLUSTER AT 5.06 CLUSTER AT 5.06. (44) ADDITIONAL (0.131"X3.0"\_min\_nail) ON THE 3RD PLY BEFORE APPLYING 4TH PLY.
(27) ADDITIONAL (0.131"X3.0"\_min\_nail) ON THE 4TH PLY BEFORE APPLYING 5TH PLY.
(12) ADDITIONAL (0.131"X3.0"\_min\_nail) ON THE 5TH PLY.

### 5 COMPLETE TRUSSES REQUIRED

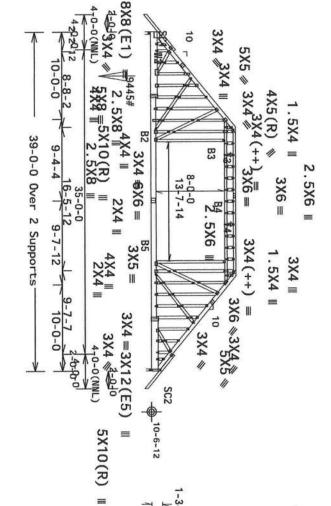
Nail Schedule:0.131"x3", min. nails
Top Chord: 1 Row & 8.50" o.c.
Bot Chord: 1 Row & 6.00" o.c.
Webs : 1 Row & 4" o.c.
Webs : 1 Row & 4" o.c.
Sepest nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition, apply (1) 0.22"-0.25" min/max dia. X 4.5"
length wood screw (from each outside face) at each joint location.

Wind loads and reactions based on MWFRS.

Calculated horizontal deflection is 0.20" due to live load and 0.35

See DWGS A14030ENC101014 & GBLLETIN1014 for gable wind bracing

The maximum concentrated load is 9446#



1-3-0 1

1-3-0

R=12668 U=172 W=3.5"

14 .08 .01 .1120 .16

QTY:1

R=5677 U=173 W=3.5"



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Design Crit: FBC2010Res/TPI-2007(STD) FT/RT = 10%(0%)/0(0)

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP.

Trusses require wattress care in fabricating, handling, shipping, installing and bracing, Barber to a team of the council of the servey preference of the council of the servey preference of the servey of the profession of the servey preference of the servey of the serv \*\*!HPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Alpins, a division of ITM Building Components Group Inc. shall not be responsible for any dovid drawing, any failure to build the truss in conformance with MSI/TPI 1, or for handling, mippin installation & breeing of trusses. east on this dreating or cover page listing this dreating, indicates acceptance of professional sponsibility solely for the design whome. The suitability and use of this dreating for any acressmability of the building besigner per AMSI/TPI 1 Sec.2.

ALPINE: www.alpineitw.com; TPI: www.tpinst.org: WTCA: www.sbcindustry.com; ICC: www.tpinst.org

01/13/2015

SPACING

24.0"

1VD5487\_Z01

DUR	101	BC	BC	TC DL	TC LL	ᆵ
DUR.FAC.	TOT.LD.	F	믿	모	F	1-/5/
1.25	37.0 PSF	0.0 PSF	10.0 PSF	7.0 PSF	20.0 PSF	FL/-/5/-/-/R/-
FROM	SEQN-	HC-ENG	DRW HCL	DATE	REF R	Scale
MAN	386370	HC-ENG JB/WHK	DRW HCUSR9114 15013007	01/13/15	R9114- 20306	Scale = .09375"/Ft.

( 14-215E--OWNER BUILDER /Res for Rimrock Developme -- Lake City, FL - PBA 7'6"2 Common )

Top chord 2x4 SP #1 Bot chord 2x4 SP #1 Webs 2x4 SP #3

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

Lumber value set "138" uses design values approved 1/30/2013 by ALSC

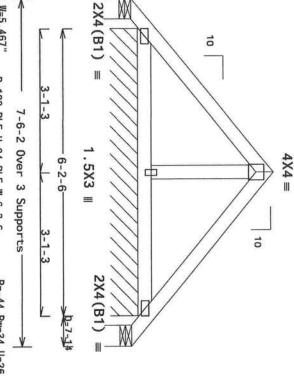
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PB160101014 for piggyback details.

130 mph wind, 22.08 ft mean anywhere in roof, RISK CAT DL=5.0 psf. GCpi(+/-)=0.18 n hgt, ASCE 7-10, CLOSED bldg, Located II, EXP B, wind TC DL=3.5 psf, wind BC

Wind loads and reactions based on MWFRS with additional C&C member

Bottom chord checked for 10.00 psf non-concurrent live load



R=-44 Rw=62 U=68 W=5.467" RL=64/-64

PLT TYP. Wave

R=102 PLF U=24 PLF W=6-2-6

R=-44 Rw=34 U=26 W=5.467"

Algino, a division of ITM Building Components Group Inc., shall not be responsible for any devi Framing, any failure to build the truss in conformance with AMSI/TPI 1, or for handling, shippi installation & breeing of trusses.

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Design Crit: FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)

14.05.01, 1120, 16

QTY:26 FL/-/5/-/-/R/-

20.0 PSF

REF R9114- 20307

Scale =.5"/Ft.

TC DL TC LL

7.0 PSF

DATE

01/13/15

rigid celling. Locations shown for pursument lateral restraint, of weats shall have breeing insta-sections 83, 87 or 810, as applicable, Apply plates to each face of truss and position as show the Joint Details, unless notced otherwise, Rofer to drawings 180A-Z for standard plats position Trusses require extreme care in fabricating, hame the lettest edition of BCSI (deliding Component Sart to performing these functions. Installers shall patte professional than properly attached structural to the control shall have properly attached structural. g. handling, shipping, installing and bracing. Refer t int Safety information, by IPI and WICA) for safety pro hall provide temporary bracing per BCSI. Unless note tural abouthing and bottom chord shall have a propera-

each on this dresing or cover page listing this dresing, indicates acceptance of professional segmental HITY solely for the dealige shown. The waitablity and use of this dresing for any at separability of the building bealigner per ARSI/TPI 1 Sec.2.

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01/13/2015 BC DL BC LL SPACING DUR. FAC. TOT.LD. 1.25 37.0 PSF 10.0 PSF 24.0" 0.0 PSF

SEQN-

383851

HC-ENG JB/WHK DRW HCUSR9114 15013002

FROM

MM

JREF - 1VD5487\_Z01

Top chord 2x4 SP #1 Bot chord 2x4 SP #1 Webs 2x4 SP #3 Value Set: 13B (Effective 6/1/2013)

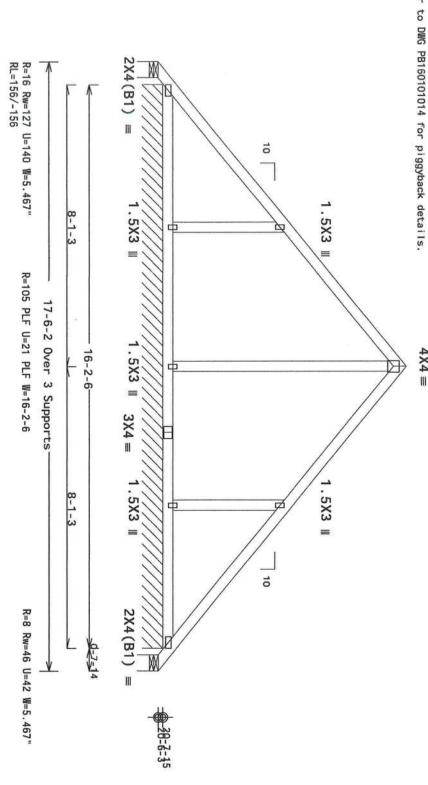
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bottom chord checked for 10.00 psf non-concurrent live load

130 mph wind, 24.16 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18Wind loads and reactions based on MWFRS with additional C&C member

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

Refer to DWG PB160101014 for piggyback details. Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50. 4X4 ≡





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TC - From TC - F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PLT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Top chord 2x4 SP 2850f-2.3E :T2, T4 2x6 SP M-26: :T3 2x4 SP #1:

Bot chord 2x6 SP M-26 :B2, B4 2x8 SP 2400f-2.0E: :B3 2x4 SP #1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Collar-tie braced with continuous lateral bracing at 24 ^{\circ} OC. or rigid ceiling.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Value Set: 13B (Effective 6/1/2013)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SPECIAL LOADS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SPECIAL LOADS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lumber value set "138" uses design values approved 1/30/2013 by ALSC
    2400 Luke Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chord 2x6 SP M-26 :B2, B4 2x8 SP 2400f-2.0E:
2x4 SP #1:
2x4 SP #3 :W1, W16 2x4 SP #2:
Webs 2x4 SP #3 :W1, W16 2x4 SP #2:
W5, W12, W15 2x4 SP #1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LUMBER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18 PLF at 9.00 to 184 PLF at 9.62 to 178 PLF at 19.62 to 178 PLF at 19.68 to 184 PLF at 21.33 to 68 PLF at 29.00 to 180 PLF at 29.00 to 198 PLF at 29.00 to 20 PLF at 0.00 to 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WINTER DUR.FAC.=1.00 / PLATE

23 PLF at -2.00 to
18 PLF at 0.00 to
18 PLF at 7.67 to
114 PLF at 9.32 to
113 PLF at 9.32 to
118 PLF at 9.38 to
118 PLF at 19.38 to
118 PLF at 19.38 to
118 PLF at 21.33 to
123 PLF at 21.33 to
123 PLF at 20.00 to
23 PLF at 0.00 to
23 PLF at 20.00 to
27 LB Conc. Load at 7.31
38 LB Conc. Load at 7.39
39 LB Conc. Load at 21.29
39 LB Conc. Load at 21.29
39 LB Conc. Load at 21.69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wave
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 Gauge
                                                                                                                                                                                                     AN ITW COMPANY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ,SH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18
                                                                                                                                                                                                                                                                                               Trusses require watches care in fabricating, handling, shipping, installing and bracing, Refer the least cellular of BSS (Bailding Camponent Safety Information, by TPI and WIGA) for safety britishing these fractions. Installing shall provide temporary bracing per BCSI. Whese next top profess from the property attended structures is sheathing and bettem chord shall have bracing as property in the provided shall have bracing in the property of the provided shall have bracing installing. Most of the BS, B7 or B10, as applicable. Apply places to sech face of most shall have bracing install the blank bracing shall be position as shown the blank bracing shall be because the provided shall be position as shown the blank bracing shall be because the blank bracing shall be positions.
                                                                                                                                                                                            Alpine, a division of 178 Building Components Group Inc. shall not be responsible for any devi
drawing, any failure to build the cruss in conformance with AMSI/TPI 1, or for handling, shippi
installation & precing of trusses.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / PLATE DUR.FAC.=
to 63 PLF at
to 58 PLF at
to 184 PLF at
to 158 PLF at
to 178 PLF at
                                                                                              seal on this drawing or cover page listing this drawing, indicates acceptance of professional exponsibility solisty for the design whome. The suitability and use of this drawing for any at appointibility of the Building Designer per ANSI/TPI 1 Sec. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PLATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gauge HS,
             For more information see this job's general notes page and these web sites: ALPINE: www.alpineitw.com; IPI: www.tpinst.org; WTCA: www.abcindustry.com; ICC: www.iccsafe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E DUR.FAC.=1.00)
18 PLF at 0.00
18 PLF at 7.67
144 PLF at 9.62
138 PLF at 19.38
118 PLF at 19.38
118 PLF at 21.33
144 PLF at 22.33
144 PLF at 21.33
144 PLF at 21.33
144 PLF at 21.33
144 PLF at 21.33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13.29,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13.29,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ** I MPORTANT **
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AC.=1.25)
at 0.00
at 7.67
at 9.32
at 19.68
at 19.68
at 21.33
at 22.00
at 31.00
at 29.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15.29,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             15.29, 17.29, 19.29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BARNING! ** READ AND FOLLOW ALL NOTES ON THIS DRAWING!
FUNNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Design Crit: FBC2010Res/TPI-2007(STD)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17.29,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19.29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /RT=10%(0%)/0(0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       R=5523 U=115 W=3.5"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RL=247/-247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1-5-4
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Top Chord: 1 Row e11.50" o.c.
Bot Chord: 1 Row e 3.00" o.c.
Webs: 1 Row e 4" o.c.
Webs: 1 Row e 4" o.c.
Webs cill Row e 4" o.c.
Webs: 1 Row e 4" o.c.
Webs cill Row e 4" o.c.
Webs: 1 Ro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   130 mph wind, 15.64 ft mean hgt, ASCE 7-10, CLOSED bidg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2.5X6 III
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.5X6 «
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   In lieu of structural panels use purlins to brace all flat TC @ 24^{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Deflection meets L/240\, live and L/180\, total load. Greep increase factor for dead load is 1.50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Wind loads and reactions based on MWFRS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NWFRS loads based on trusses located at least 31.29 ft. from roof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPLETE TRUSSES REQUIRED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14.02.01.1720.16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3X4 /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9-3-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  H0610
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4X10(R)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-0-0 Over 2 Supports
01/13/2015
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8-0-0 3X4 = 2X4 = W
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                                                                                                                                                                                                                                                                             BC LL
                                                                                                                                                                                                                                                                                                                                                              BC DL
                                                                                                                                                                                                                                                                                                                                                                                                                                           TC DL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TC LL
                               SPACING
                                                                                                                                                                                            TOT.LD.
                                                                                                           DUR. FAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FL/-/5/-/-/R/-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          B4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.5X3 II
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4X10(R) ||2.5X6 //
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          7X6 ≡
                                                                                                           1.25
                                                                                                                                                                                            37.0 PSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20.0 PSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2.5X8 III
                          24.0"
                                                                                                                                                                                                                                                                                                                                                                   10.0 PSF
                                                                                                                                                                                                                                                                                  0.0 PSF
                                                                                                                                                                                                                                                                                                                                                                                                                                               7.0 PSF
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9-3-13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R=5712 U=114 W=4"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2.5X6 W
                                                                                                                                                                                                                                                                                                                                                                                                                                                    DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REF
                                                                                                           FROM
                                                                                                                                                                                            SEQN-
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                          JREF-
                                                                                                                                                                                                                                                                                      HC-ENG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     R9114- 20309
                               1VD5487_Z01
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TC - From TC - F
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Bot chord 2x6 SP M-26 :B2, B4 2x8 SP SS:
:B3 2x4 SP 2850f-2.3E:
:Webs 2x4 SP #3 :W2, W5, W12, W15 2x4 SP #1:
:W16 2x4 SP #2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Collar-tie braced with continuous lateral bracing at 24 \!\!\!^{"} OC. or rigid ceiling.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Note: All Plates Are 3X4 Except As Shown.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SPECIAL LOADS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SPECIAL LOADS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     umber value set "13B" uses design values approved 1/30/2013 by ALSC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  From 20 PLF
1513 LB Conc.
133 LB Conc.
133 LB Conc.
756 LB Conc.
889 LB Conc.
756 LB Conc.
2400 Lake Orange Dr., Suite 150
Orlando, FL 32837
FL COA #0 278
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From 58 PLF at 0.00 to
From 184 PLF at 7.55 to
From 178 PLF at 9.19 to
From 178 PLF at 19.26 to
From 184 PLF at 19.26 to
From 58 PLF at 28.88 to
From 58 PLF at 28.88 to
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184 PLF at
118 PLF a
1188 PLF a
1188 PLF a
1188 PLF a
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                                                                                                                     AN ITW COMPANY
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VEF at 19.56

F at 21.20 to

at 28.88 to

ved at 7
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. Load at 7.55
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9.19
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                                                                                                                   Alpins, a division of ITE Building Components Group Inc. shall not be responsible for any devi-
drearing, any failure to build the truss in confureance with ARSI/IPI 1, or for handling, antipi
installation & breating of trusses.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRATE DUR. FAC.

to 58 PLF at

to 184 PLF at

to 178 PLF at

to 178 PLF at

to 178 PLF at

to 184 PLF at

to 63 PLF at

to 63 PLF at

20 PLF at
                                                         seat on this dressing or cover page listing this dressing, indicates acceptance of professional septembility solely for the design shown. The suitability and use of this drawing for any struspunsibility of the building besigner per ANSI/TPI 1 Sec. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PLATE
        ALPINE: www.alpineitw.com; TPI: www.tpinet.org; NTCA: www.abcindustry.com; ICC: www.iccaef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   E DUR. FAC. =1.00)
23 PLF at 0.00
18 PLF at 7.55
118 PLF at 9.49
118 PLF at 19.56
114 PLF at 19.56
114 PLF at 21.20
124 PLF at 21.20
23 PLF at 30.88
23 PLF at 28.88
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                                                                                                                                                                                                                                                                                                                     ***IMPORTANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS
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FT/RT=10%(0%)/0(0)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 In lieu of structural panels use purlins to brace all flat TC # 24^{\circ} OC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Top Chord: 1 Row $11.50" o.c.
Bot Chord: 1 Row $ 3.00" o.c.
Webs: 1 Row $ 4" o.c.
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(H2) = (J) Hanger not calculated
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  These hangers and support conditions used at bearings indicated
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reinforcement method is desired. is specified on a truss design but an alternative web This detail is to be used when a Continuous Lateral Restraint (CLR)

### Notes

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

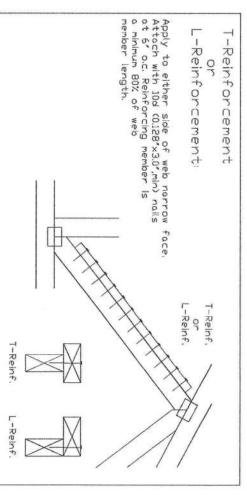
Alternative reinforcement specified in chart below may be conservative reinforcement type. For minimum alternative reinforcement, re-run design with appropriate

2x8 1 rc	2×6 1 rc	2x3 or 2x4 1 rd 2x3 or 2x4 2 rd	Size Restraint
rows 2x6	rows 2x4	row 2x4 rows 2x6	
8-5×6(*)	1-2×6 2-2×4(*)	1-2×4 2-2×4	T- or L- Reinf. Scab Reinf.

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

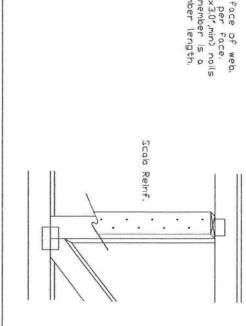
\* Center scab on wide face of web. face of web. Apply (1) scab to each

# CLR Reinforcing Member Substitution



## 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) noils at 6" o.c. Reinforcing member is a minimum 80% of web member length.





13389 Lakefront Drive Earth City, MO 63045

\*\*\* PORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme core in fabricoting, hardling, shipping, installing and bracing. Refer to and follow the intest edition of EGSI Guidaling Component Safety information, by TPI and SBAD for safety practices prior to performing these functions. Installers shall provide temperary bracing per BGSI unless noted otherwise, top thord shall have properly attached structural sheeting and bottom glosshall have a properly attached rigid celling, localities shall have a properly attached rigid celling. Localities shall have bracing installed per BGSI section 33, 37 or 30, as applicable. Apply plates to each of truss and position as shall have bracing installed per BGSI section 33, 37 or 30, as applicable. Apply plates to each of truss and position as shall have bracing installed per BGSI section 33, 37 or 30, as applicable. Apply plates to each of truss and position as shall have bracing installed per BGSI section 33, 37 or 30, as applicable. Apply plates to each of the position of truss and position as shown above and on the Joint Betalls, unless noted otherwise.

Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any device this drawing, any follure to build the truss in conformance with ANSI/TPI 1, or for handling, at installation is tracing of trusses.

Installation is tracing of trusses.

A seal on this drawing or cover page listing this drawing, indicates acceptance of profession engineering responsibility society 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.spineltw.com; TPI www.tpinst.org; SBCA www.socindustry.org; ICC www.iccsafe.or YONAL ENO

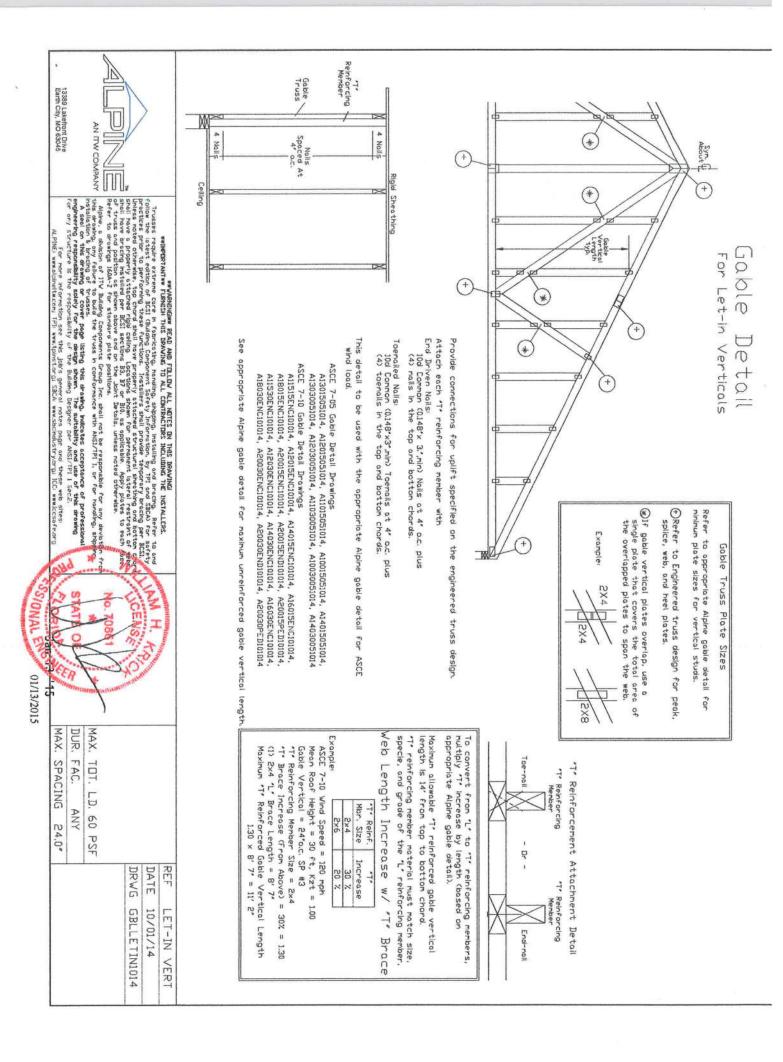
> BC BC C SPACING DUR. FAC TOT. LD. F P 밀 ASA PSF PSF PSF REF DATE DRWG BRCLBSUB1014 10/01/14 CLR Subst.

01/13/2015

ASCF 7-10: Gable Stud Reinforcement Detail N1 1 1 1 N

	Max Gable Vertical Length	
AN ITW AN ITW Sarth City, MO 63045	Max Gable Vertical length is 14".  Spacing Specie S	
AN ITW COMPANY front Drive MC 65045	Goble Vertical  Spacing Species  Spacing Species  Spacing Species  Species  SPF  SPF  SPF  SPF  SPF  SPF  SPF  SP	D
Ý 🖟 🖟	Story # # # # # # # # # # # # # # # # # # #	ASCE
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MAX.	14 14 14 14 14 14 14 14 14 14 14 14 14 1	Exposure
TOT. LD.		, 20
ν <sub>0</sub> 60	Bracing Group S  Gr  Spruce-Pive-Fir  #1 / #2 Standard  Douglas Fir-Larch #3 Stud  S	XZ
REF DATE DRWG	Bracing Group Species  Group A:  Group A:  Group A:  Group A:  Spruce-Pire-Fir  #1 / #2 Standard  Douglas Fir-Lerch #3 Stud  Fire Carch #3 Stress of the see only  whis Load defection criterions for continuous beneficetion criterions  continuous benefic of pse in 18 end zones and 4 o continuous bearing (5 pse in 18 end zones and 6 o o continuous bearing (5 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 6 o o continuous bearing 15 of the second 11 of the pse in 18 end zones and 18 of the pse in 18 end zones and 18 of the pse in 18 end zones and 18 of the pse in 18 end zones and 18 of the pse in 18 end zones and 20 of the pse in 18 end zones and 20 of the pse in 18 end zones and 20 of the pse in 18 end zones and 20 of the pse in	П
1	Bracing Group Species and Grade  Spruce-Pine-Fir  ## Hem-Fir ## Spruce-Pine-Fir ## Hem-Fir ## Stud  Douglas Fir-Larch ## Stud	1.00
ASCE7-10-GAB14030 10/01/14 A14030ENC101014	Brocing Group Species and Grades:  Group A:  Spruce-Pine-Fir  #1 / #2 Standard  Bouglas Fir-Larch #3 Stud #3 Standard  Bouglas Fir-Larch #1 Bir #1	
01014	St.	

01/13/2015

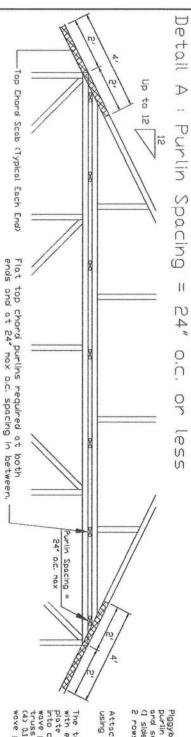


# Piggyback Detail 160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bidg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=10, Dr 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bidg, located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=10. - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1,00

Note: Top chards 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° a.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

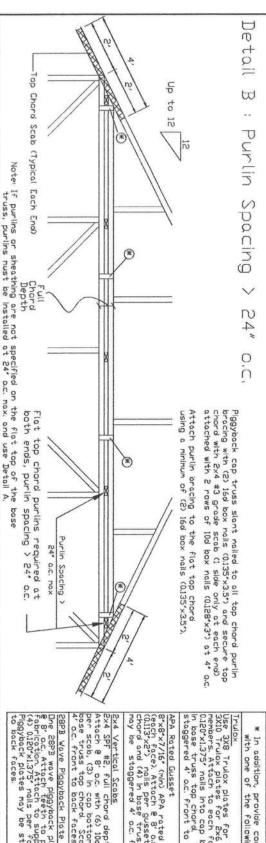
\*\* Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.



Piggyback cop truss slont nailed to all top chord purlin bracing with (2) 16d box nails (0.135%3.5%) 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%3%) at 4% a.c.

Attach purlin bracing to the flat top chord using (2) 16d box noils (0.135 $^{\circ}$ x3.5 $^{\circ}$ ).

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. Nater Nailing thru holes of wave plate is acceptable



With one of the following methods:

Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face 8 8 oc. with (4) 0.120°x1.375' nails into cap bottom chord and (4) In base truss top chord. Trulox plates may be staggered 4' oc. front to back faces.

8"x8"x7/16" (min) APA rated sheathing gussets (each face) Attach e 8" oc. with (8) 6d common (0.113"x2") mils per gusset, (4) in cap botton chord and (4) in base truss top chord. Qussets nay be staggered 4" oc. front to back faces.

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

Dine 28P3 wave piggyback plate to each face B oc., 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.

SPACING 24.0 REF DATE PB160101014 10/01/14 PIGGYBACK

13389 Lakefront Drive Earth City, MO 63045

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Alphe, a division of ITV Building Conponents Group Inc. shall not be responsible for any device this detailing, any failure to build the trust in conformance with ARSI/PPI i, or for handling, shi installation & bracing of trustes.

A seal on this drawing or cover page listing this drawing, indicates acceptance of profession engineering responsibility solely for the design sham. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI I Sec.2.

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

01/13/2015

Trusses require extreme core in febricating, honoling, shipping, installing and brooking. Refer to and follow the latest edition of BICSI (Building Component Safety information, by Fig and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary brooking per BICSI, unless noted otherwise, top chard shall have properly affected the structural sheathing and botton globul shall have a properly affected ligid coulding shown for permanent lateral restraint of each shall have a properly affected ligid coulding shown for permanent lateral restraint of each of the shall be properly affected the structural shall have a properly affected by BICSI sections 39, 37 or 310, as applicable. Apply plates to each of the structural shall be position as strown bove or do in the Junk Datalis, unless noted otherwise.

WWINDERTANTOW FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.