ITW Building Components Group, Inc.

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 1V3P487-Z0207171903

Truss Fabricator Ande

Job Identification

Anderson Truss Company

14-022--BRYAN ZECHER /FARNELL RESIDENCE -- Lake City, FL

Truss Count

Model Code

Truss Criteria

Engineering Software

Structural Engineer of Record
Address

Minimum Design Loads

Florida Building Code 2010 FBC2010Res/TPI-2007(STD)

Alpine Software, Version 12.03.

The identity of the structural EOR did not exist as of the seal date per section 61015-31.003(5a) of the FAC

Roof - 37.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 120 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

2. 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-12015EC1-GBLLETIN-GABRST10=

2. 73502=41.27/3\8.Common 14038002 02/07/14 3 73503-A2 27 3"8 Common 14038003 02/07/14 73504-AGE 27 3 8 Gable 14038004 02/07/14 73505==B1 30' Common 14038005 02/07//14 73506--B2 30" Common 14038006 02/07/14 73507==B3_37' Compn 14038007 02/07//14 73508=84 36 10 8 Como 73509=85 36 10 8 Como 14038008 02/07/14 14038009 02/07/14 73510==BGE 30!_.Gable 14038010 02/07/14 73511==BGE1 37" Common 14038011. 02/07/14 73512-BGE2-36"10"8 Gab-14038012 73513--C 14'4" Wono 14038013 02/07/14 73514--CJ3 3' Jack 14038014 14 02/07/14 15 73515--CJ5 5' Jack 14038015 02/07/14 73516--EJ7 7' End Jack 16 14038016 02/07/14 73517-H11 14'4" Mono H 17 14038017 02/07/14 73518-H13 14'4" Mono H 18 14038018 02/07/14 73519-H7 14'4" Mono Hi 19 14038019 02/07/14 73520-H9 14'4" Mono Hi 20 14038020 02/07/14 73521-HJ7 9'10"13 Hip 14038021 02/07/14

Ref Description Drawing# Date 73501--A-27-3"8 Compo 14038001 02/07/14 STATE OF STA

02/07/2014

William H Krick -Truss Design Engineer-

1950 Marley Drive Hames City, FL 33844

Top chord 2x4 SP #
Bot chord 2x4 SP #
Webs 2x4 SP # #1-13B #1-13B #3-13B

Lumber grades designated with '13B 1/30/2013 by ALSC use design values approved

(a) Continuous lateral restraint equally spaced on member

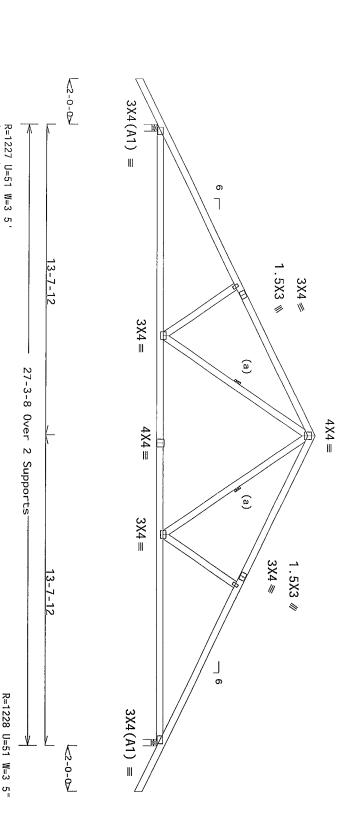
Bottom chord checked for 10 00 psf non-concurrent live load

120 mph wind, 15 00 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

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x $24"\mbox{-wide}$ clearance

Deflection meets L/240 live and L/180 total load factor for dead load is 1 50Creep increase



TTW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE TW Building Components Group inc (ITWBCG) shall not be respons ble for any deviation from any failure to build the truss in conformance with AMSI/MPI 1 or for handing shipping three posters on goffrussess Apply plates to ceath face of truss and position as shown above and on the control of Trusses require extreme care in fabricating handling shipping linstaling and bracing Ret follow the latest edition of BESI (Bu Iding Component Safety Information by TPI and WTCA) for protein the state of the protein the state of the state MPORTANT** **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS TC LL

PLT TYP

Wave

Design Crit

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

QTY:13

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Scale = .25"/Ft. R9114- 73501

20.0 PSF /-/R/-

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DATE REF

02/07/14

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DRW HCUSR9114 14038001

WHK/WHK

RL=129/-129

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24.0"

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> SEQN-HC-ENG

330983

Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B

Lumber grades designated with 1/30/2013 by ALSC 13B use design values approved

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

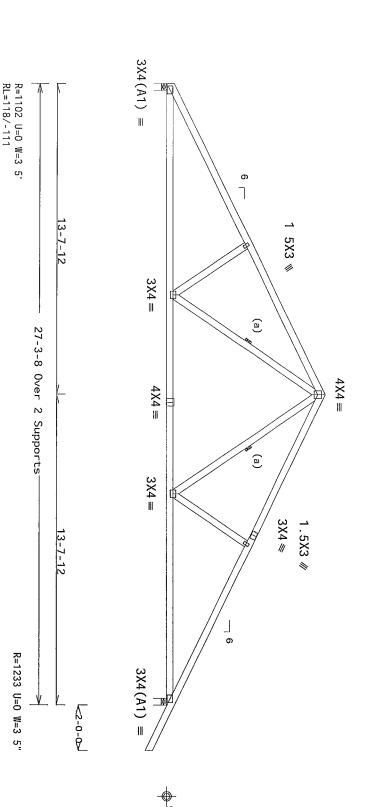
MWFRS loads based on trusses located at least 15 00 ft $\,$ from roof edge $\,$

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, within 9 00 ft from roof edge, RISK CAT II, wind BC DL=5 0 psf GCpi(+/-)=0 18 CLOSED bldg, not located EXP B, wind TC DL=3 5 psf.

Wind loads and reactions based on MWFRS with additional C&C member design $% \left(1\right) =\left\{ 1\right\} =$

Truss passed check for 20 psf additional bottom chord live load in areas with $42"\hbox{-high}\ x\ 24"\hbox{-wide clearance}$

Deflection meets L/240 live and L/180 total load factor for dead load is 1 50Creep increase



general notes page IIW-805 www.itwbcg.com	FL COA #0 278	
the responsibility of the Build ng Des gner p	Orlando FI 32837	
drawing or cover page listing this drawing respons bility solely for the design shown	11W Building Components Group Inc.	
Deta is unless noted otherwise Refer to dr		
ITW Bu iding Components Group Inc (ITWBCG) any failure to build the truss n conformance	ALPINE	
shall have bracing installed per BCSI section		٩
Unless noted otherwise top chord shall have		
pract cos prior to performing these functions	<u>\</u>	
Trusses require extreme care in fabr cating	>	

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET! FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0)

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REF DATE

Scale = .25"/Ft. R9114- 73502

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02/07/14

Design Crit

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Wave

handiling shipping natal ingland bracing Re opponent Safety information by TPI and WTGA) for installors shall provide temporary bracing page openity attached structural sheathing and bottom openity attached structural sheathing and bottom openity.

shall not be respons ble for any dev ation fl w th ANSI/TPi 1 or for handing sh pping e of truss and pos t on as shown above and on aw ngs 160A-Z for standard p ate pos t ons

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HC-ENG WHK/WHK DRW HCUSR9114 14038002

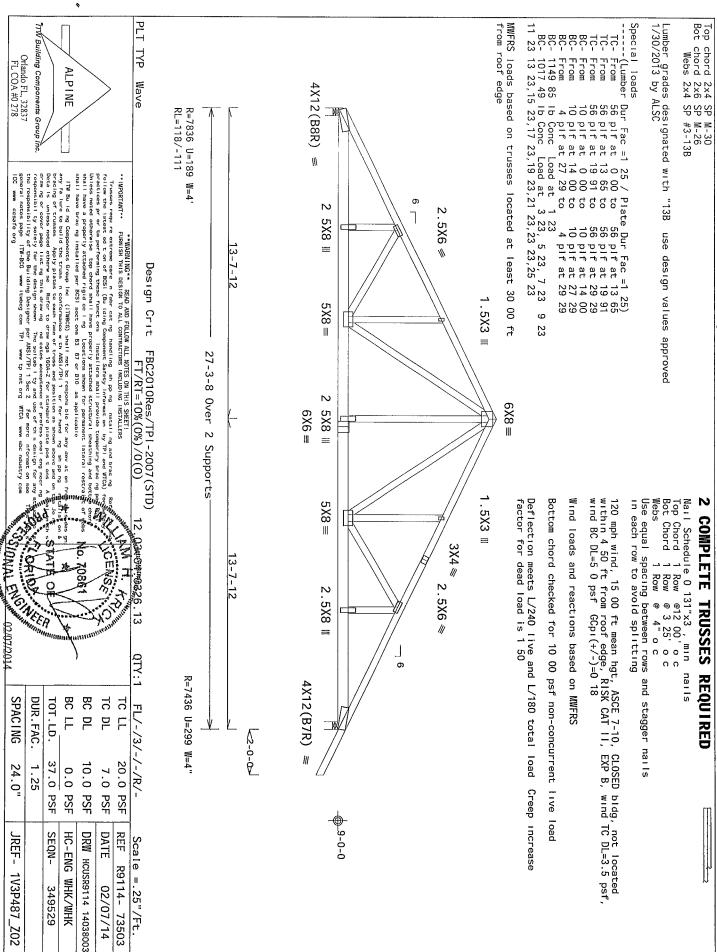
10.0 PSF

TOT.LD.

37.0 PSF

SEQN-

331009



Top chord 2x4 SP #
Bot chord 2x4 SP #
Webs 2x4 SP #
Stack Chord SC1 2 #1-13B #1-13B #3-13B 1 2x4 SP

#1-13B Stack Chord SC2 2x4 SP #1-13B

Lumber grades designated with "13B 1/30/2013 by ALSC use design values approved

Truss spaced at 24 0 $\,$ 0C designed to support 2-0-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

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

> anywhere in DL=5 0 psf 20 mph wind, nd, 15 00 ft mean n roof, RISK CAT I GCp:(+/-)=0 18 hgt, ASCE œ wind ਰ CLOSED bldg, | TC DL=3 5 psf, Located , wind BC

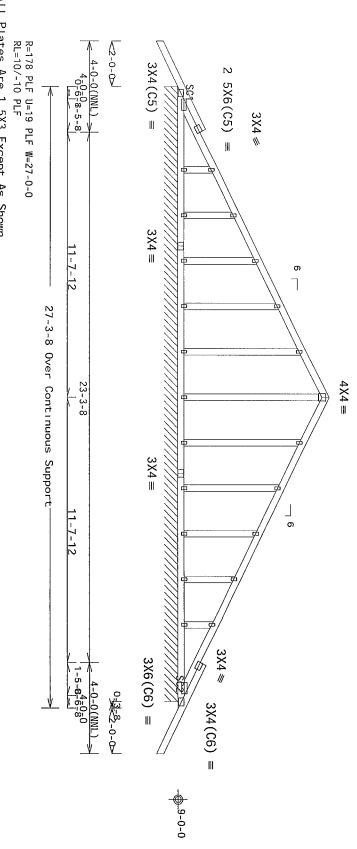
Wind loads and reactions based on MWFRS with additional C&C member

Right cantilever is exposed to wind

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

In lieu of structural panels use purlins chord checked for 10 00 psf non-concurrent live ç brace TC @ 24" 00

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



Note All Plates Are 1 5X3 Except As Shown Design Crit

PLT TYP ITW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE Wave Trusses require extreme care in fabr cating handing shipping mestal no undertaints Rocky information by TTP and WTCs) required to the latest of a conference of the CSS. (Building Component Safety) information by TTP and WTCs) represented by the conference of the CSS. (Building Component Safety) information by TTP and WTCs) by Proctices that have a properly attached rigid one in the CSS and its shall have breaking installed per Rock sections 83 87 or 810 as applicable.

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ITW Building Components Components of the CSS sections 83 87 IMPORTANT ** **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 03404110826 TONKER. QTY:1 BC LL SPACING ВС TC DL DUR.FAC. TC LL TOT.LD. FL/-/3/-/-/R/-므 1.25 37.0 PSF 10.0 PSF 24.0" 20 0 PSF 0.0 PSF 7.0 PSF HC-ENG DRW HCUSR9114 14038004 DATE REF JREF-SEQN-Scale R9114- 73504 1V3P487_Z02 MEK/MEK 330978 02/07/14 .25"/Ft.

Top chord 2x4 SP #1-13B Bot chord 2x4 SP 2850f-2 3E Webs 2x4 SP #3-13B

Lumber grades designated with "138" use design values approved $1/30/2013\ \mbox{by ALSC}$

(a) Continuous lateral restraint equally spaced on member

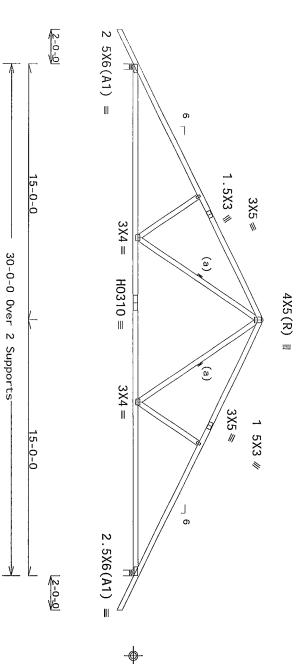
Bottom chord checked for 10 00 psf non-concurrent live load

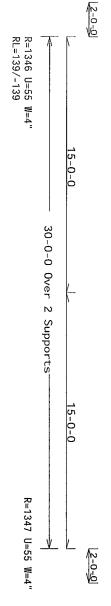
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpr(+/-)=0 18

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

Truss passed check for 20 psf additional bottom chord live load in areas with $42"\hbox{-high}\times 24"\hbox{-wide clearance}$

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1 50 $\,$





	Orlando FL, 32837 FL COA #0 278	ITW Building Components Group Inc.		ALPINE	<u>\</u>	>		PLT TYP 20 Gauge HS,Wave
San	general notes page (TW BCC www twbcg com TP) www tp nst org WTCA www sbc ndustry com	drawing or cover page listing this drawing indicates acceptance of profess onal engineering for any sequence of the design shaman. The suitable type and use of this design for any sequence to the building loss oner per AMSI/TPI 1 Sec 2. For more informate on see.	bracking of truescess Apply plates to casch face of trues and post on as shown above and on the do fit. Details unless noted otherwise Refer to drawings 160A-Z for standard plate positions. A span of the second of the second otherwise research to the second of the second otherwise research to the second of the second otherwise research to the second otherwise	shall have practing installed per active sets by or bit as about cable of the set of the	Unless noted otherwise top chord shall have properly attached structural sheathing and bottom chords shall have a properly attached of coiling locations shown for permanent lateral restrator of webs	Trusses require extreme care in fabr cast ng handling ship ng instal ing and brocing Ref. (1986) The Control of BCSI (Building Component Safety Information by IPI and VICA) To the Safety (1986) The Control of VICA) to the Control of VICA of VICA (1986) The Control	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS	Design Crit FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 12.03w@4w0326.14
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	SPACING 24.0"	DUR.FAC. 1.25	T.LD.	BC LL	BC DL	TC DL	TC LL	L/-/3/-
		1.25	TOT.LD. 37.0 PSF SEQN-	0.0 PSF	10.0 PSF	7.0 PSF	20.0 PSF	QTY:7 FL/-/3/-/-/R/-
	JREF- 1V3P487_Z02		SEQN- 330985	HC-ENG WHK/WHK	10.0 PSF DRW HCUSR9114 14038005	7.0 PSF DATE 02/07/14	20.0 PSF REF R9114- 73505	Scale =.1875"/Ft.

Top chord 2x4 SP #1-13B Bot chord 2x4 SP M-30 Webs 2x4 SP #3-13B

Lumber grades designated with '13B" use design values approved 1/30/2013 by ALSC

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

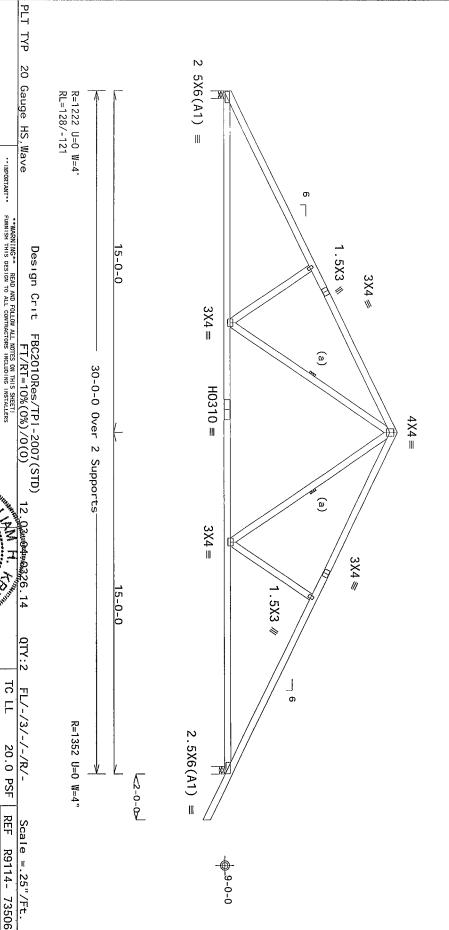
 $\ensuremath{\mathsf{MWFRS}}$ loads based on trusses located at least 15 00 ft $\ensuremath{\mathsf{from}}$ roof edge

120 mph wind, 15 00 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

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

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



ITW Building Components Group

ITW Build in Components Group Inc. (ITWBCC) shall not be respons by far any day not in the state of the state

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HC-ENG WHK/WHK

DRW HCUSR9114 14038006

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02/07/14

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SPACING

24.0"

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Trussos require extreme care in fabricating handling also poing restling and braicing Reg follow the latest ed to in 6803 (But ong Component Safety Information by TPI and WICE) for practices prior to performing these functions. Installers shall provide temporary bracing positioness noted otherwise topord shall have properly attached structural sheath night of the shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall have a properly attached in give the provided shall be provided as a provided shall be provided as a provided shall be provided as a properly attached to give the provided shall be provided as a provided shall be p

have bracing installed per BCSI sections 83

ALP I NE

Orlando FL, 32837 FL COA #0 278

Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B

Lumber grades designated with "13B" 1/30/2013 by ALSC use design values approved

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

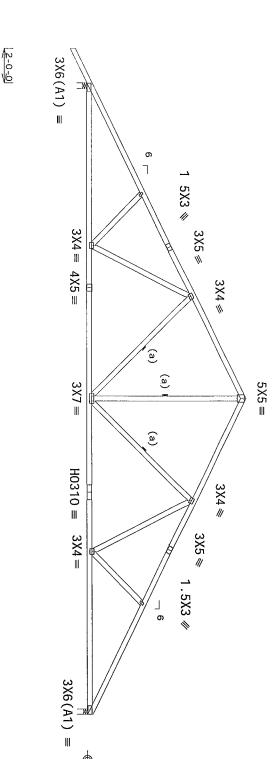
MWFRS loads based on trusses located at least $15\ 00\ \text{ft}$ from roof edge

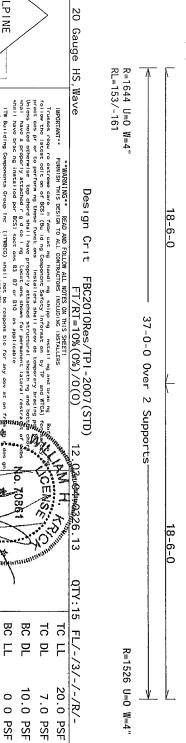
120 mph wind, 15 00 ft mean hgt, ASCE within 9 00 ft from roof edge, RISK CA wind BC DL=5 0 psf GCpi(+/-)=0 18 CE 7-10, CAT II, CLOSED bidg, not located EXP B, wind TC DL=3 5 psf

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

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

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





PLT TYP

ITW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE I'll Builliding Components Group in ce (TIRBED) shall not be respons be for any down or response to the Life to trust in confirmance with ARS/TPI 1 or for hand any same part of the same part of Trusses require extreme care in fabr catting handling shipping installing and bracing Rock follow the latest edition of BGS1 (Building Component Safety Information by TP and WTGA) foogratic case prior to performing these functions. Installers shall provide temporary bracing pogratic library in the property attached structural sheathing and bottops what have a properly attached rigid on inglicional control shall have a properly attached in glock of the properly attached in the properly attached to the properly attached to the properly attached the properly attached to the properly a CANEET ...

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HC-ENG WHK/WHK DRW HCUSR9114 14038007 DATE

02/07/14

REF

Scale = .1875"/Ft R9114- 73507

SPACING

Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B

Lumber grades designated with "13B" use design values approved $1/30/2013\ \mbox{by ALSC}$

H = recommended connection based on manufacturer tested capacities and calculations Conditions may exist that require different connections than indicated Refer to manufacturer publication for additional information

These support conditions used at bearings indicated (H1) = HUS26 w/ (2)2x6 SP M-26 supporting member (14) 0 148 x3 nails into supporting member, (4) 0 148 x3 nails into supported member

loads based on trusses located at least 15 8 ft from roof

> 120 mph wind, 15 00 ft mean hgt, within 9 00 ft from roof edge, RI wind BC DL=5 0 psf. GCpi(+/-)=0 1 ft mean hgt, ASCE 7-10, roof edge, RISK CAT II, GCp:(+/-)=0 18 CLOSED bidg, not located EXP B, wind TC DL=3 5 psf

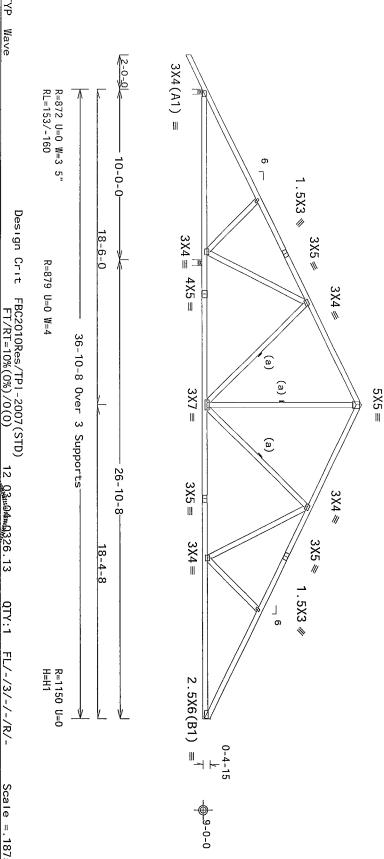
Wind loads and reactions based on MWFRS with additional C&C member des i gn

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

(a) Continuous lateral restraint equally spaced on member

Bottom chord checked for 10 00 psf non-concurrent live load

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



ITW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE

IMPORTANT** **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Scale = .1875"/Ft. R9114- 73508

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Trussos require extreme care in fabricating handling shipping installing and braicing Required to the latest colic on of BESI (But ong Component Safety Information by TPI) and WTCA) for practices prior to performing those functions installiors shall provide temporary bracing pages by the property actually should have properly attended structural shouthing and button shall have a properly attended in deciding the shall have a properly attended in the shall have a properly attended in the shall have a properly attended to deciding the sha

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SPACING

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Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B ₩ 2x4 SP 2850f-2 3E

Lumber grades designated with '13B" use design values approved $1/30/2013\ \mbox{by ALSC}$

 $H=\mbox{recommended}$ connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information

These support conditions used at bearings indicated (H1) = HUS26 w/ (2)2x6 SP M-26 supporting member (14) 0 148 x3 nails into supporting member, (4) 0 148 x3 nails into supported member

Bottom chord checked for 10 00 psf non-concurrent live load

> 120 mph wind, 15 00 ft mean anywhere in roof, RISK CAT I DL=5 0 psf GCpi(+/-)=0 18 n hgt, AS ASCE 7-10, CLOSED bldg, Located (P B, wind TC DL=3 5 psf, wind B ВС

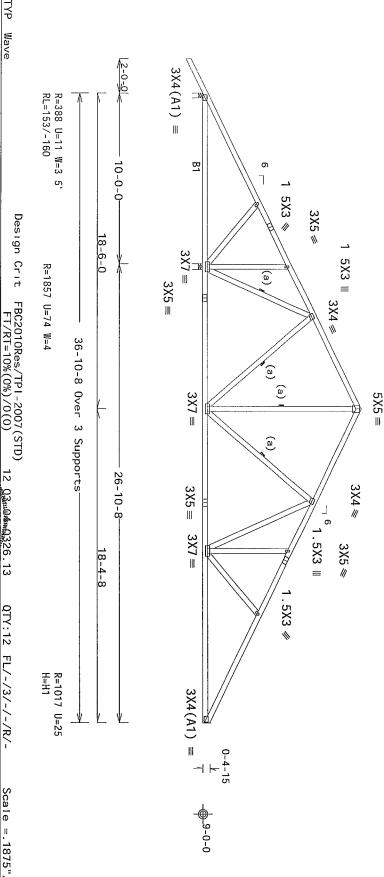
desıgn Wind loads and reactions based on MWFRS with additional C&C member

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

(a) Continuous lateral restraint equally spaced on member

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

Deflection meets $L/240\,$ live and $L/180\,$ total load factor for dead load is 1 50 Creep increase



PLT

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Wave

ITW Building Components Group

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AND NATIONAL STREET

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Trusses require extreme care in fabr cat may hand may ship pig mittal may and bracing acceptance to large field (in internal component Safety Information by pin and Wich) (regions process prior to performing these functions installors shall provide temporary bracing pin practices prior to performing these functions installors shall may properly attached structural shall may be observed as a properly attached in gard board and in many properly attached structural shall may be observed as a properly attached in gard on the properly attached and the properly attached to gard on the properly attached and the properly attached to gard on the properly attach

have bracing installed per BCSI sections 83 B7 or B10 as applicable

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

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QTY:12

FL/-/3/-/-/R/-

Scale = .1875"/Ft

R9114- 73509

TC LL

20.0 PSF

7.0 PSF

DATE REF

02/07/14

ALPINE

Orlando FL, 32837 FL COA #0 278

Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP

#1-13B

requirements See DWGS A12015ENC100212 GBLLETIN0212, & GABRST100212 for more Lumber grades designated with '13B" use design values approved $1/30/2013\ \mbox{by ALSC}$

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

120 mph wind, 15 00 ft mean anywhere in roof, RISK CAT I DL=5 0 psf GCpi(+/-)=0 18 n hgt, AS ASCE 7-10, CLOSED bldg, Located (P B, wind TC DL=3 5 psf, wind BC

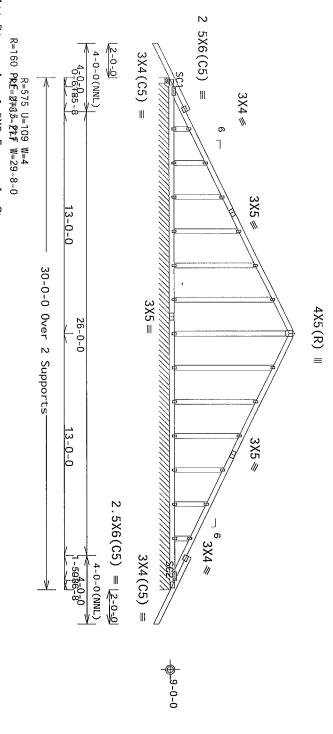
desıgn Wind loads and reactions based on MWFRS with additional C&C member

Truss spaced at 24 0° OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 10 00 PSF. Top chord must not be cut or notched

In lieu of structural panels use purlins to brace TC @ 24" 0C

Bottom chord checked for 10 00 psf non-concurrent live load

Deflection meets L/240 live and L/180 total load factor for dead load is 1 50 $\,$ Creep increase



Note All Plates Are 1 5X3 Except As Shown

			•	•				
Orlando FL, 32837 FL COA #0 278	ITW Building Components Group Inc.		ALPINE \	<u>\</u>	>		PLT TYP Wave	
general notes page ITM-BCG www itwbcg com TPI www tp nst org WTCA www sbc ndustry com	drawing or cover page listing this drawing indicates acceptance of professional ong nooring receipting the response bility solety for the design shown. The suitable it goald use of this design for any security solety for the design shown. The suitable it goald use of this design for any security of the Building Designer per AMSL/IPP Sec 2 For more information see Security Sec 2 For more information see Security Sec 3 For more information see Security Sec 3	any ta jure to burid the truss a conformance with ANSI/IPI or for handing shipping generalization a bracing of trusses. Apply plates to each face of truss and position as shown above and on the John to the state of the state o	shall have brad ng installed per BCSI sections 83 B7 or B10 as applicable [TW Building Components Group Inc. (17WBCG) shall not be responsible for any deviation for the print design.	Unless noted them as top blood shall have properly attached as structural sheath ng and bottom ching with the shall have a properly attached r g d ce i ng locations shown for permanent lateral restraint of ebs	Trusses require extreme care in fabricating handling shipping installing and bracing Record to the fabricating component Sarry information by TPI and WTCA Too Sarry Component Sarry information by TPI and WTCA Too Sarry Component Sarry information on by TPI and WTCA Too Sarry Component Sarry information on by TPI and WTCA Too Sarry Component Sarry Information on by TPI and WTCA Too Sarry Component Sarry Information on by TPI and WTCA Too Sarry Component Sarry Information on by TPI and WTCA Too Sarry Component Sarry Compon	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!	FT/RT=10%(0%)/0(0) 12 03:::94::0326.14 QT	Design Crit FBC2010Res/TPI-2007(STD)
	ם			В.		1,	Ύ:1	
SPACING 24.0"	DUR.FAC. 1 25	JT.LD.	BC LL	BC DL	TC DL	TC LL	QTY:1 FL/-/3/-/-/R/-	
24.0"	1 25	37.0 PSF	0.0 PSF	10.0 PSF	7 0 PSF	20.0 PSF	-/-/R/-	
JREF- 1V3P487_Z02		TOT.LD. 37.0 PSF SEQN- 330970	0.0 PSF HC-ENG WHK/WHK	10.0 PSF DRW HCUSR9114 14038010	7 0 PSF DATE 02/07/14	20.0 PSF REF R9114- 73510	Scale = 1875"/Ft.	

Top chord 2x4 SP 2850f-2 3E T2 2x4 SP M-30 Bot chord 2x4 SP 2850f-2 3E Webs 2x4 SP #3-13B W6 2x4 SP #2-13B Stack Chord SC1 2x4 SP M-30 Lt Slider 2x4 1 344 Rt Wedge 2x4 SP #3-13B ŞÞ #3-13B BLOCK LENGTH

Lumber grades designated with '13B 1/30/2013 by ALSC use design values approved

Truss spaced at 24 0 $\,$ 0C designed to support 2-3-0 top chord outlookers Cladding load shall not exceed 10 00 PSF. Top chord must not be cut or notched

perpendicular to chord length using 3x6 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 Stacked top chord must NOT be notched or cut in area (NNL) Dropp top chord braced at $24\,$ o c intervals Attach stacked top chord Dropped chord (SC)

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

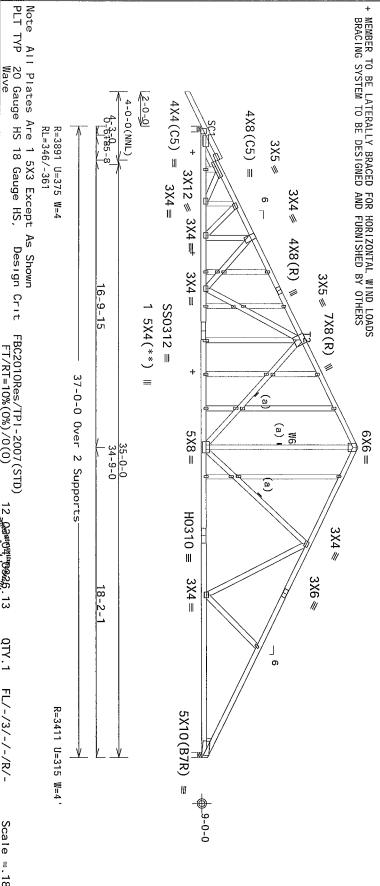
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bidg, lanywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, DL=5 0 psf GCp: (+/-)=0.18Located wind BC

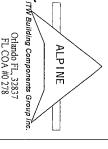
Wind loads and reactions based on MWFRS with additional C&C member design

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements

(a) Continuous lateral restraint equally spaced on member

Deflection meets L/240 live and L/180 total load factor for dead load is 1 50Bottom chord checked for 10 00 psf non-concurrent live Creep increase





IMPORTANT** **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!

FT/RT=10%(0%)/0(0)

QTY . 1

FL/-/3/-/-/R/-

Scale = .1875"/Ft R9114- 73511

 $\frac{1}{2}$

20 0

PSF

7.0 PSF

DATE REF

02/07/14

BC DL TC DL

10.0 PSF

DRW HCUSR9114 14038011

WHK/WHK 349476

37 0 PSF

FROM SEQN-HC-ENG

0.0 PSF

Trusces require extreme care in fabr cating handing shipping installing and bracing Ref. follow the latest edition of BCS1 (Building Component Safety Information by TPI and WTGA) for practices prior to performing these functions. Installers shall provide componery bracing page Unless noted otherwise top chord shall have properly attached structural sheathing and bottog shall have a properly attached rigid on ening Locations shown for permanent lateral restrains shall have a properly attached rigid one ling Locations shown for permanent lateral restrains shall have a properly attached rigid one ing.

I'W Building Components Group inc (ITWBCC) shall not be respons bite for any deviat on frearmy failure to but de the trues in conformance with ANSI/TPI 1 or for handing shipping in bracing of truesses. Apply places to each face of trues and position as shown above and on the Doca 1s unless noted otherwise. Refer to drawings 180A-Z for standard place past ones. A drawing or cover page 1 at gits drawing or drawing or cover page 1 at gits drawing or drawing or cover page 1 at gits drawing or drawing or cover page 1 at gits drawing or drawing or cover page 1 at gits drawi

REALER .

02/07/2014

SPACING DUR.FAC. TOT.LD.

24.0" 1.25

JREF- 1V3P487_Z02

Top chord 2x4 SP #
Bot chord 2x4 SP #
Webs 2x4 SP #
Stack Chord SC1 2 #1-13B #1-13B #3-13B 1 2x4 SP

#1-13B Stack Chord SC2 2x4 SP #1-13B

Lumber grades designated with "13B" use design values approved $1/30/2013\ \mbox{by ALSC}$

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more

perpendicular to chord length using 3x6 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 Stacked top chord must NOT be notched or cut in area (NNL) top chord braced at $24\,$ o c intervals Attach stacked top Dropped chord (SC)

> 120 mph wind, 15 00 ft mean anywhere in roof, RISK CAT DL=5 0 psf GCpi(+/-)=0 18 i hgt, ASCE 7-10, CLOSED bldg, Located (P B, wind TC DL=3 5 psf, wind BC

 $\ensuremath{\mathbb{W}}_{\text{Ind}}$ loads and reactions based on MWFRS with additional C&C member design

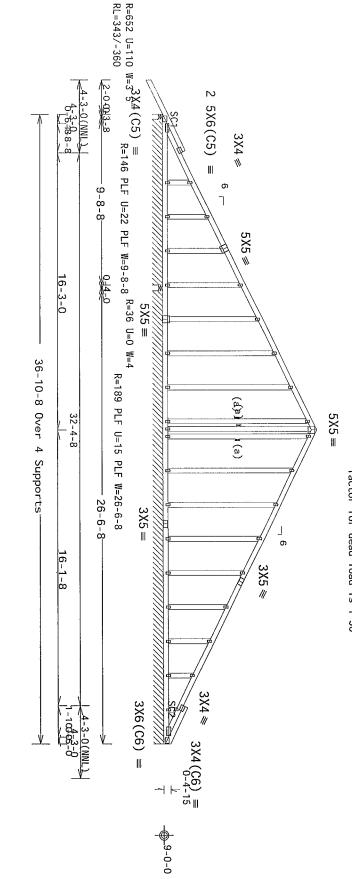
Truss spaced at 24 0" OC designed to support 2-3-0 top chord outlookers Cladding load shall not exceed 10 00 PSF. Top chord must not be cut or notched

(a) Continuous lateral restraint equally spaced on member

In lieu of structural panels use purlins ţ brace TC @ 24" 8

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 $\,$



Note All Plates Are 1 5X3 Except As Shown

ITW Building Components Group

Orlando FL, 32837 FL COA #0 278

)2/07/2014

SPACING DUR.FAC.

24.0"

JREF-

1V3P487_Z02

1.25

FROM

TΥP ALPINE Wave ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any failure to build the truss in conformance with AMS/TPI 1 or for handing any pning representations of trussess. Apply plates to each face of truss and post on as shown above and both on the struss and post on as shown above and call the struss and post on the struss and post of the steep in the struss it typed the post of the steep in the struss it typed to the struss and post of the steep in the struss in the struss and post of the steep in the struss in the struss and post of the steep in the struss and post of the struss and post of the steep in t Trusses require extreme ears in fabricating handling shipping installing and broating Registration to his trace in gland broating Registration by the interest edition of RESI (Building Gapponent Servey Information by the interest in the property and MCA) broating these functions. Installiers shall provide temporary bracing page 2004 by these property attached structural sheathing and bottom characteristics shall have a property attached crist on a property attached crist on the property attached crist on the property attached crist on a property attached crist on the property attach **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET! have bracing installed per BCSI sect ons B3 B7 or B10 as applicable Design Crit FBC2010Res/TP1-2007(STD) FT/RT=10%(0%)/0(0) TONKET . QTY:1 BC LL BC DL C TC LL TOT.LD. FL/-/3/-/-/R/-믿 37.0 PSF 10.0 PSF 20.0 PSF 7.0 PSF 0.0 PSF DATE 쮸 HC-ENG SEQN-DRW HCUSR9114 14038012 Scale = .1875"/Ft R9114- 73512 MIK/WIK 02/07/14 349142

Top chord 2x4 SP 2850f-2 3E T2 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B

Lumber grades designated with $\ 13B^{\prime\prime}$ use design values approved $\ 1/30/2013$ by ALSC

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 $\,$

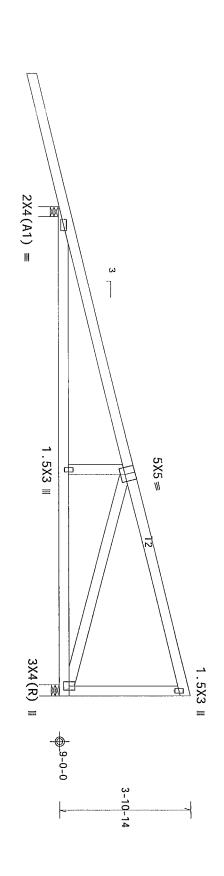
Top chord overhangs have been checked only for loads as indicated Overhangs not checked for man loads or long-term deflection

120 mph wind, 15 00 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

Wind BC UL=5 U pst GCp1(+/-)=0 18 Wind loads and reactions based on MWFRS with additional C&C member

Right end vertical not exposed to wind pressure

design





ALPINE Trusses require extreme care in fabricating bandling shipping installing and broking fooling the latest edition of 8631 (Building Component Safety Information by TPI and MTCA) of practices prior to performing these functions. Installiars shall provide temporary bracing of this procedulations to perform in the properly shall have properly attached structural shouthing and borgon shall have a properly attached rigid can ing. Locations shown for permanent lateral restrictions shall have a properly attached rigid can be considered to the control of the contro IMPORTANT** **WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS CENSO

I'W Building Components Group Inc (ITWBCC) shall not be respons ble for any deviation of the property of the p

TTW Building Components Group

Orlando FL, 32837 FL COA #0 278 Ţγ

Wave

Design

Crit

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

0.17:8

FL/-/3/-/-/R/-

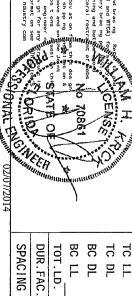
Scale = .375"/Ft REF R9114- 73513

20.0 PSF

7.0 PSF

REF

02/07/14



37 0 PSF

SEQN-

349480

HC-ENG

WHK/WHK

10.0 PSF 0.0 PSF

DRW HCUSR9114 14038013

24.0"

JREF-

1V3P487_Z02

1.25

FROM

MM

Top chord 2x4 SP 2850f-2 3E Bot chord 2x4 SP #1-13B

Lumber grades designated with 1/30/2013 by ALSC "13B" esn design values approved

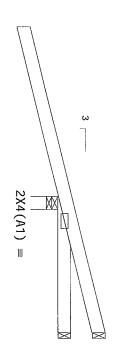
Bottom chord checked for 10 00 psf non-concurrent live

Top chord overhangs have been checked only for loads as indicated Overhangs not checked for man loads or long-term deflection $% \left(1\right) =\left\{ 1\right\}$

120 mph wind, anywhere in ro DL=5 0 psf GC nd, 15 00 ft mean I n roof, RISK CAT I GCp:(+/-)=0 18 n hgt, ASCE 7-10, wind CLOSED bidg, TC DL=3 5 psf, Located , wind BC

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

Deflection meets L/240 live and L/180 total factor for dead load is $1\ 50$ load Creep increase



R=2 Rw=31 U=230 14 9-9-9-6

R=27 Rw=42 U=13

3-8-12 R=490 U=135 W=3 5' RL=36 < 3-0-0 Over 3 Supports

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

ι Δ

QTY:2

FL/-/3/-/-/R/-

Scale

11

5 /Ft.

TC LL

20.0 PSF

R9114- 73514

7.0 PSF

DATE REF

02/07/14

10.0 PSF 0.0 PSF

DRW HCUSR9114 14038014

HC-ENG

WHK/WHK

349505

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ďγ

Wave

IMPORTANT**

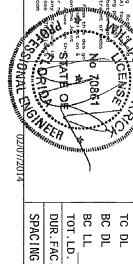
Trusses require extreme care in fabricat ng handi ng shipp ng mstai ng and broa ng Regi follow the latest edition of BESI (Bull of ng Component Safety informat on by TPI and WTA) for the pract cas prior to performing these funct ons installers shall prov do temporary bracing no licies noted otherwise top chord shall have properly attached structural sheathing and bettermand shall have a properly attached rigid cell ing Locations shown for permanent lateral restraint of the shall have a properly attached rigid cell ing Locations shown for permanent lateral restraint of the shall have a properly attached rigid cell ng Locations shown for permanent lateral restraint of the shall have a properly attached rigid cell ng Locations shown for permanent lateral restraint of the shall have a properly attached rigid cell ng Locations shown for permanent lateral restraints.

Till Bull of an Components Group inc. (TIRECE) shall not be responsible for any day at an first that yet a lunc to build the truss of conformance with ANSI/TPI 1 or for handing the policy of trussess. Apply places to open face of truss and position as shown above and on the Data is unless enced otherwise. Before to drawings 1804-2 for estandard plate position as few and clearing the position of the position of

ITW Building Components Group

ALPINE

Orlando FL, 32837 FL COA #0 278



37 0

PSF

FROM SEQN-

24.0" 1.25

JREF-

1V3P487_Z02

Top chord 2x4 SP 2850f-2 3E Bot chord 2x4 SP #1-13B

Lumber grades designated with 13B use design values approved 1/30/2013 by ALSC

Bottom chord checked for 10 00 psf non-concurrent live load

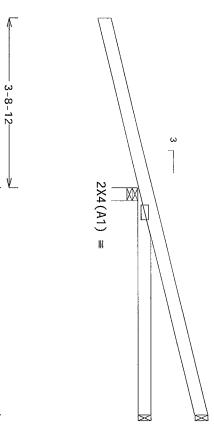
Top chord overhangs have been checked only for loads as indicated Overhangs not checked for man loads or long-term deflection

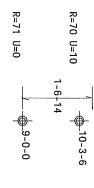
120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf GCpi(+/-)=0 18

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

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

MWFRS loads based on trusses located at least 7 50 ft from roof edge





R=500 U=110 W=3 5 RL=43

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

QTY:2

FL/-/3/-

/-/R/-

Scale = .5"/Ft.

R9114- 73515

20 0 PSF

7.0 PSF

DATE

02/07/14

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

PLT

Τ¥

Wave

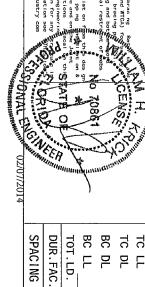
Trusses require extreme care in fabricating and panding an aping installing and bracing Registration of BSS (But and Component Safety) Information by TPI and WTD) for practices prior to performing those functions. Installine's shall provide temperary bracing personal formation by these functions installines shall have a properly attended rigid celling locations shall have a properly attended rigid celling locations shown for permanent lateral restriction of the shall have bracing installed per BSS) seet one SS 87 or 810 as applicable.

any failure to build the truss in conformance with ANS/IPI 1 or for handling is hip ping bring in the trusses. Apply plates to each face of truss and position as shown above and only be able to as shown above and only be able to as shown above and only be able to a shown a state position. See I were also miles noted otherwise. Refer to drawings 160A.2 for standard plates positions. See I were also proved otherwise. Refer to drawings 160A.2 for standard plates positions of professional angineering drawing or cover page is sting in standard plates. The surface professional trust professional trust

ITW Building Components Group Inc.

ALPINE

Orlando FL, 32837 FL COA #0 278



1.25

HC-ENG SEQN-FROM

MM

37.0 PSF

0.0 PSF

10.0 PSF

DRW HCUSR9114 14038015

WHK/WHK

349509

24.0"

JREF-

1V3P487_Z02

Top chord 2x4 SP 2850f-2 3E Bot chord 2x4 SP #1-13B

Lumber grades designated with 1/30/2013 by ALSC 13B use design values approved

Bottom chord checked for 10 00 psf non-concurrent live load

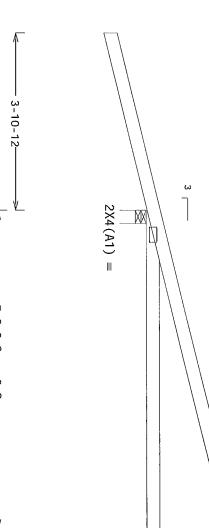
Top chord overhangs have been checked only for loads as indicated Overhangs not checked for man loads or long-term deflection $% \left(1\right) =\left\{ 1\right\}$

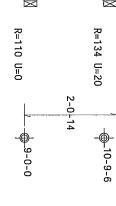
120 mph wind, 15 00 ft mean anywhere in roof, RISK CAT I DL=5 0 psf GCpi(+/-)=0 18 i hgt, ASCE 7-10, CLOSED II, EXP B, wind TC DL=3 bldg, Located 5 psf, wind BC

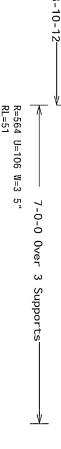
design Wind loads and reactions based on MWFRS with additional C&C member

Deflection meets L/240 live and L/180 total load factor for dead load is 1 $50\,$ Creep increase

MWFRS loads based on trusses located at least 7 50 # from roof edge







TTW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
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Design Crit

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

QTY:4

FL/-/3/-/-/R/-

Scale = .5"/Ft.

R9114- 73516

DATE REF

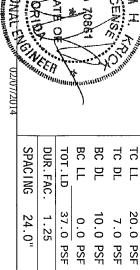
02/07/14

PLT TYP

Wave

Trusses require extreme care in febr cating handling shipping installing and bracing Revision the latest end to not 6851 (Building Component Sefety Information by TPI and WTCA) food actions provide temporary bracing possible of the performing these functions. Installiers shall provide temporary bracing possibles need to the performing these functions. Installiers stated structural is sharting and bottom set to perform a transfer of a colling locations shown for permanent lateral restrictions at the performance of the per

ITW But drag Components Group inc (ITWSc) shall not be respons blo for any deviation Apply plates to each



FROM SEQN-

JREF-

1V3P487_Z02

HC-ENG WHK/WHK DRW HCUSR9114 14038016

349478

Lumber grades designated with 1/30/2013 by ALSC Top chord 2x4 SP 2850f-2 3E Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B Special loads ----(Lumber From From From From 54 54 50 20 20 r Fac =1 1 25 / -3 90 11 00 -3 90 0 00 0 29 14 00 T2 Plate t t t t t t 13B" 2x4 SP #1-13B e Dur Fac = 54 plf at 54 plf at 54 plf at 4 plf at 20 plf at 50 plf at 50 plf at 50 plf at use design values approved 1100011 25) 1 00 1 33 1 33 1 00 29 1 00 33

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

desıgn

120 mph wind, 15 00 within 9 00 ft from wind BC DL=5 0 psf roof edge, k GCp1(+/-)=0 ft mean hgt, ASCE 7-10, roof edge, RISK CAT II, GCp:(+/-)=0 18 CLOSED bldg, not located EXP B, wind TC DL=3 5 psf,

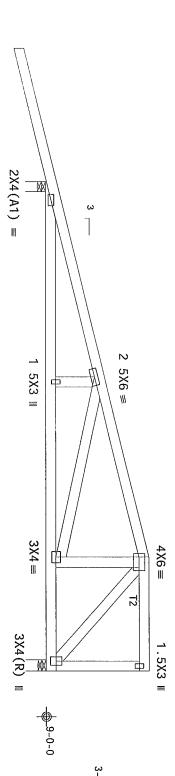
Right end vertical not exposed to wind pressure

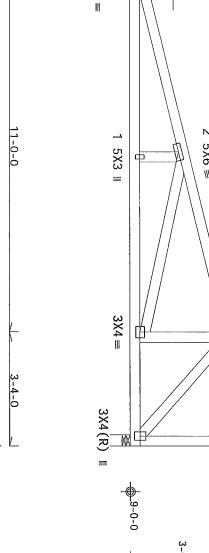
In lieu of structural panels use purlins to brace all flat TC @ 0C $\,$

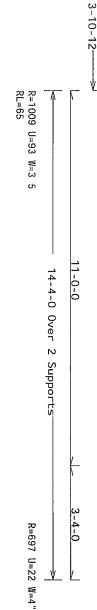
Bottom chord checked for 10 00 psf non-concurrent live load

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

MWFRS loads based on trusses located at least 7 50 7 from roof edge







ITW Building Components Group Orlando FL, 32837 FL COA #0 278 ALPINE

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

Design Crit

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

QTY : 1

FL/-/3/-/-/R/-

20

REF

R9114- 73517

Scale =

375"/Ft.

7.0 PSF 0 PSF

DATE

02/07/14

10.0 PSF 0.0 PSF

DRW HCUSR9114 14038017

HC-ENG

WHK/WHK 349538

SEQN-

PLT TYP

Wave

Trusses require extreme care in fabr cast mg handling shipping installing and pracing Ref follow the latesst edition of BCS1 (Build in G.Component Safety Informate on by TPI and WICA) for practices prior to performing those functions. Installiers shall provide temporary bracing performing the second shall have properly attached structural sheathing and botted shall have a properly attached ing Local consistent for pormanent lateral restrains shall have a properly attached ing Local consistent for pormanent lateral restrains shall have a properly attached ing Local consistent of properly attached the Local consistent of properly attached the Local consistent of properly attached the Local consistent of the Local consistent of the Local consistency of the Local c

ITW But id ng Components Group Inc. (ITWBCD) shall not be respons but of or any day at on fre any fa lure to but id the truss in conformance with ANSI/TPI 1 or for handling ish pin in the act in of trusses. Apply places to each face of truss and position as shown above and on hocal is unless noted otherwise. Refer to drawings 1604-7 for standard place positions. A drawing or cover page itsning this drawing of the sets acceptance of professions are signed to responsibility of the Building De giorn per ANSI/TPI 1 Sec 2 for more information seems the prognession of the sets of t

CONTER)2/07/2014 BC DL BC LL TC DL SPACING DUR. FAC. TOT.LD. 2

> 1.25 37.0 PSF

FROM

24.0"

JREF- 1V3P487_Z02

Top chord 2x4 SP #1-13B Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B T1 2x4 SP 2850f-2 3E

Lumber grades designated with '13B' 1/30/2013 by ALSC use design values approved

In lieu of structural panels use purlins to brace all flat TC @ $0\ensuremath{\text{C}}$

Top chord overhangs have been checked only for loads as indicated Overhangs not checked for man loads or long-term deflection

Deflection meets L/240 live and L/180 total load factor for dead load is 1 50 $\,$

Creep increase

24

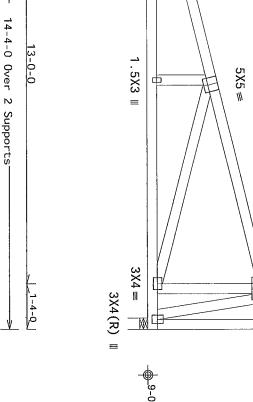
120 mph wind, 15 00 within 9 00 ft from wind BC DL=5 0 psf ft mean hgt, ASCE 7-10, roof edge, RISK CAT II, GCp:(+/-)=0.18 CLOSED bldg, not located EXP B, wind TC DL=3 5 ps

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

Right end vertical not exposed to wind pressure design

MWFRS loads based on trusses located at least 15 Bottom chord checked for 10 00 psf non-concurrent live 00 ft from roof

2X4(A1) =W ω 1.5X3 ≡ 5X5 ≡ 3X4 == 4X8≡ 3X4(R) 1.5X3 Ⅲ W =





PLT TYP

Wave

R=801 U=91 RL=72

Design Crit

0TY:1

FL/-/3/-/-/R/-

Scale = 375"/Ft. R9114- 73518

20 0 PSF

7.0 PSF

DATE REF

02/07/14

10.0 PSF

DRW HCUSR9114 14038018

0.0 PSF

HC-ENG

MHK/WHK

349490

R=494 U=0 W=4"

3-10-12-

I'M Building Components Group Inc. (I'MBCG) shall not be responsible for any day ation fro any failure to build the truss in conformance with ABS/TPI I or from handing as plying in breeing of trusses. Apply places to each face of truss and position as shown above and one of the places in unless noticed echannels. Refer to drawings 160A-2 for standard place positions at frawing or covering this farming and cates acceptance of profess canning more one of the design shown. The suitable I tylind use of this design for any toepons billity solely for the design shown. The suitable I tylind use of this design for any the prosponsibility of the Building Designer per ABS/TPI I Sec. 2. For more information see

TW Building Components Group

ALPINE

Orlando FL, 32837 FL COA #0 278



1.25 37.0 PSF

FROM SEQN-

24.0"

JREF-

1V3P487_Z02

CLOSED bldg, not located EXP B, wind TC DL=3 5 ps

5 psf

Top chord 2x4 SP Bot chord 2x4 SP Webs 2x4 SP Lumber grades designated with 1/30/2013 by ALSC P 2850f-2 3E P #1-13B P #3-13B T2 2x4 SP #1-13B 13B '

120 mph wind, 15 00 within 9 00 ft from wind BC DL=5 0 psf Wind loads and reactions based on MWFRS 00 ft mean hgt, roof edge, F GCp:(+/-)=0

use design values approved

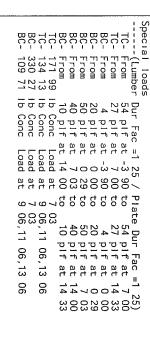
Right end vertical not exposed to wind pressure lieu of structural panels use purlins to brace all flat TC

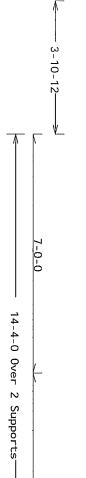
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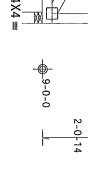
24

8= Bottom chord checked for 10 00 psf non-concurrent lve

Deflection meets L/240 live and L/180 total factor for dead load is $1\ 50$ load Creep increase







ω

2.5X6(A1) =

W

2X4 Ⅲ

3X4 =

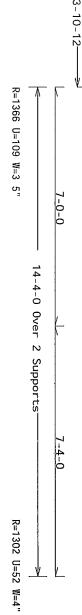
4 X 8 ≡

4X4 =

1.5X3 Ⅲ

中

T2



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Design Crit

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

0TY : 1

FL/-/3/-/-/R/-

Scale = .375"/Ft.

PLT

TΥP

Wave

extreme care in fabr cat ng handling sh pp ng nstali ng and bracing ske ed t en of BCSI (Bu d ng Component Safety Information by Thi and WTCA) for performing these funct ons Installers shall provide temporary bracing po

CLONIES . 02/07/2014 BC LL BC DL TC DL TC LL SPACING DUR.FAC. TOT LD. 1.25 37.0 PSF 24.0" 10.0 PSF 20.0 PSF 7.0 PSF 0.0 PSF DATE REF HC-ENG DRW HCUSR9114 14038019 SEQN-JREF-R9114- 73519 1V3P487_Z02 PHK/PHK 02/07/14 349528

Top chord 2x4 SP 2850f-2 3E Bot chord 2x4 SP #1-13B Webs 2x4 SP #3-13B Special loads Lumber grades designated 1/30/2013 by ALSC From From From From Lumber 54 54 50 20 prifat

prifat

prifat

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prifat

prifat -25 -30 -31 -31 -31 ₩Ith 88888 T2 2x4 SP #1-13B 5 5 5 5 5 5 13B' 50 50 20 Dur use design values approved p p f f at t 1400 144 144 25) 1 33 1 29 00 1 29 33

120 mph wind, 15 00 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

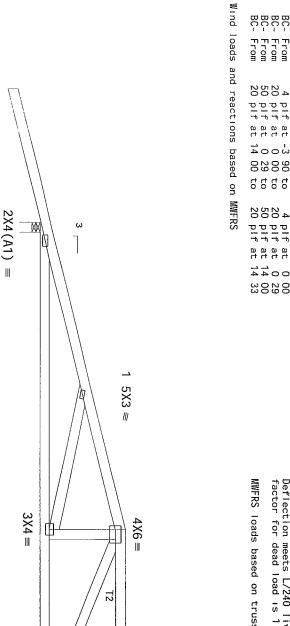
Right end vertical not exposed to wind pressure

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

Bottom chord checked for 10 00 psf non-concurrent live load

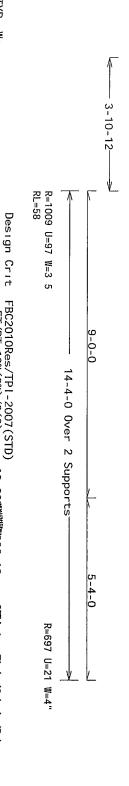
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1 50 $\,$

MWFRS loads based on trusses located at least 7 50 ft from roof edge



1.5X3

2-6-14



3X4(R)

ALPINE

ALPINE

ALPINE

TWB billiding Components Group Inc
Orlando FL, 33837

FL COA #0 278

TECOA #0 278

TECOA #0 278

TECOA #0 278

Trusses require extreme care in fabrican fabrica

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
-- IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

FT/RT=10%(0%)/0(0)

QTY:1

FL/-/3/-/-/R/-

Scale = .375"/Ft. REF R9114- 73520

TC LL

20.0 PSF

7.0 PSF

DATE

02/07/14

PLT TYP

Wave

Trusses require extreme care in fabricating handling shiping installing and bracing Ref. (Building Component Safety) Information by TPI and WTCA) for practices prior to performing these functions. Installiers shall provide temporary bracing per BESS (Building Component Safety) the stalling per BESS (Building Component Safety) that the stalling per BESS (Building Component Safety) that the stalling per BESS (Building Safety

ITW But Id no Components Group Inc. (ITWEOD) shall not be respons blo for any day at on from the party failure to but Id the trusts in conformance with MISI/IPI 1 or for handling an pp no interest polytrate no of trusses. Apply plates to each face of truss and post on as shown above and on the bota is unless noted otherwise. Refore the drawing 160A-Z for standard plate post ons A period of the most of the day of the standard plate post ons A period of the most of the day of the standard plate post ons A period of the most of the day of the most of the day of the standard plate post ons A period of the standard plate post ons A period of the standard plate post ons the period of the standard plate post ons the control of the day of the standard plate post ons the period of the day of the standard plate post of the standard plate plate

CONFER .

TC DL BC DL BC LL

0.0

HC-ENG

WHK/WHK

10.0 PSF

DRW HCUSR9114 14038020

37.0

PSF PSF

SEQN-

349532

FROM

)2/07/2014

DUR. FAC. SPACING

1.25 24.0"

JREF- 1V3P487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR

Reinforcing

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a $^+$ use design but an alternative web reinforcement me now s desired

Notes

L-rein-crecenei This detail r on y -policable for changing the specified CLR shown on ringly p , alled designs to T-reinforcement or or scab reinforcement

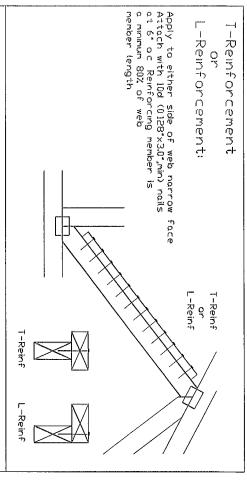
Alternative or present specified in chart below may be conservative for minimum a lerial e reinforcement, re-run design with appropriate reinforcement type

1-2×8 2-2×6(米)	N N X O O	n rows	ი ი × × & თ
1-2×6 2-2×4(*)	0 X X X X X X X X X X X X X X X X X X X	™ nows	2×6
1-2×4 2-2×4	2×5 6	S rows	2×3 or 2×4 2×3 or 2×4
inforecement Scab Renf	Alternative Reinforecement T- or L- Reinf Scab Reni	Specified CLR Restraint	Web Member Sze

I reinforcement I reinforcement, or scab reinforcement to be species and grade or better than web member unless specified otherwise on Enginee is sealed design same

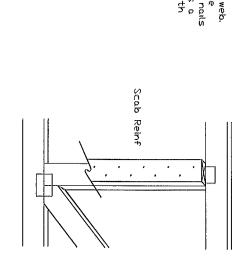
face of web Center scab on wide face of web Apply (1) scab to each

MOMBOS Substitution



Scab Reinforcement:

Apply scab(s) to wide face of web. No more than (1) scab per face Attach with 10d (0128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length





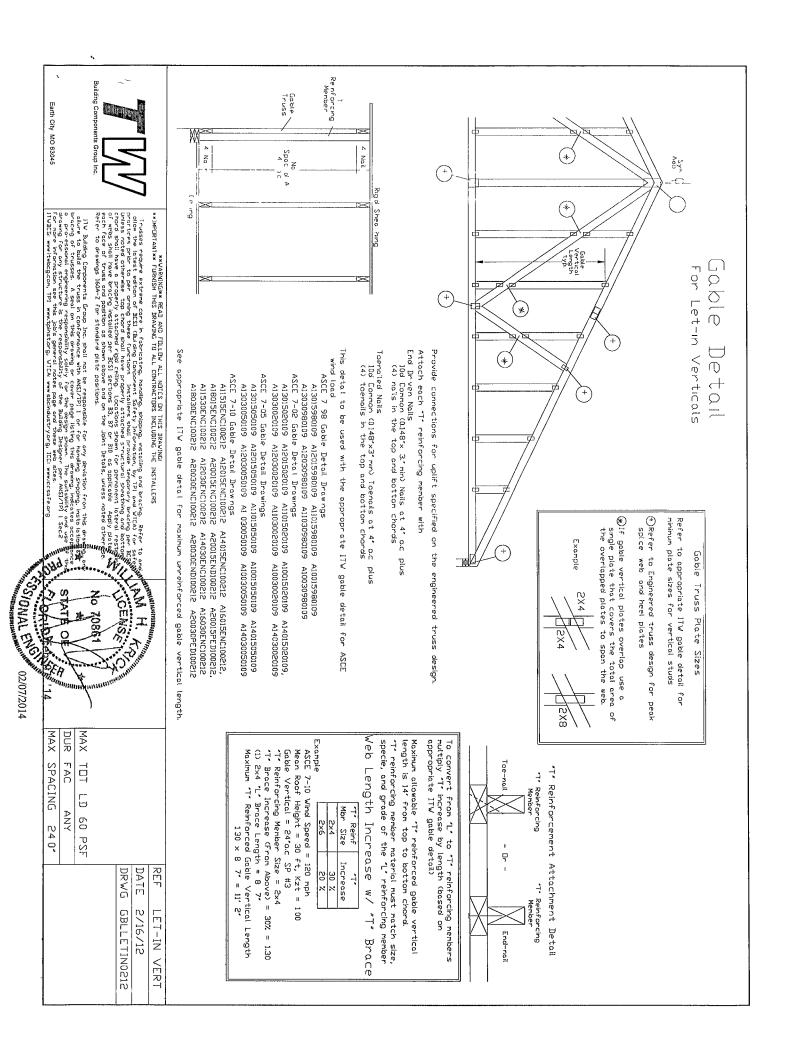
Earth City MO 63045

SONAL ENGLISH 1 02/07/2014 BC 80 SPACING T DUR FAC 벋 벋

PSF PSF JSd PSF RET DRWG DATE 8/15/13 CLR Subst BRCLBSUB0813

d

Dagonal one explon vertical length may be doubled when diagonal brace is used Conne diagona brace or 33 # diagons brace or 33 a each end. Max wes Vertical Max Gable Earth City MO 63045 Vertica ength Bu sads 16" 12" 24 Loble Ver \circ $\circ \subset$ 0 C Spec SP' \mathbb{C} $\langle \rangle$ $\stackrel{\textstyle \checkmark}{\sim}$ Standard Stud ##### S+100 andara andard Š. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to analysis clibs, we latest edition of \$251 (Salding Component Safety Information, by 79) and VTCA) or so government, we properly a process the provide transpary bracing per Big. There is noted otherwise top chard shall have properly attached structural sheading and bottom chard of shall have properly attached structural sheading and bottom chard or shall have a properly attached pig ceiling. Locations shown or permanent to perform a shall have bracing installed per \$151 sections 33, 37 or 310, as applicable. Apply plate and the shall have bracing installed per \$151 sections 33, 37 or 310, as applicable. Apply plate and the shall have bracing installed per \$151 sections 33, 37 or 310, as applicable. Apply plate and the shall have bracing installed per \$151 sections 33, 37 or 310, as applicable. V Building Components Group Inc. shall not be responsible or only deviction from this draid oil-ye to build the truss in componence with ANSI/PPI or for hoosing, satisface, establishing states of the componence of the responsibility states for the design stam. The satisfability and were forevery for only structure is the responsibility to the Building Designer per ANSI/IPI I Sec.2 for only structure is the responsibility of the Building Designer per ANSI/IPI I Sec.2 for only structure is the componence of the same was stress to the componence of Š Ç. ** MEGRIANT** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTAL ERS 7 - 10Jable Truss. Braces υı U 8 က် က် |ယု|ယု|ယ္|ဟု|ထု ω ωį 6. 1,0 120 2x4 IF-L #2 or better diagonal brace; single or double cut (as shown) at upper end. Group A (1) 1x4 'L' Brace * 1) 2x4 'L' Brace * 2 2x4 'L' Brace ** (1) 2x6 'L' Brace * Ø Ø ω Z Q Z Z Z PLOND. Wind Speed, 15' Mean Height, Enclosed, Exposur 100 nph Vind Speed 5 Mean Height Partially Enclosed Exposure C Kzt = 100 100 nph Vind Speed 15 Mean Height Enclosed Exposure D, Kzt = 1.00 7. σŞ ත් 0 0 0 7. φ q z Gable w Group A 10 ũ 5 φ φ Stud Group B Refer 10 0, 0, 5 10, . @ _ Renforcement ç Group A 13 3 chart above N N 0 5 5 0 W 5 5 5 0 N 5 V Continuous Group B 13' 10' 13' 9' 13' 9' 13' 7' 13' 7' 14' 0' 14' 0' űΨ **.** 7 9 7 10 10, 10, o, for max gable OS/ONAL ENG CENS ! Bearing Group A 75 Detail 6 Q Ð Group B 4 7 4 ü [4] vertical length **EFA** 5 5 0 0 (5) 5×6 .F. Group A [4] 14 14 14' 14 14 4 4 4 4 4 4 4 4 4 4 4 6 6 MAX M∆ X Group B Brace 444 14, 14 14 <u>/</u>⊕ П SPACING 'n Refer to the Building Designer for conditions not addressed by this detail. 'L' bracing must be a minimum of 80% of web member length. Attach "L" braces with 10d (0.128"x3.0" min) nails So. Pine lumber design values based on the ALSC January, 2012 ruling Gable end supports load from 4 0° outlookers with 2° 0° overhang, or 12° plywood overhang. Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load). Wind Load deflection criterion is L/240. ***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group values may be used with these grades. 1x4 Braces shall be SRB (Stress-Rated Board) Bracing Group Species Dougles Fir-Larch
#3
Stud
Standard Spruce-Pine-Fir #1 / #2 | Standard #3 | Stud Gable Truss Detail Notes ouglas Fir-Larch 60 Greater than 11 6" Vertical Length
Less than 4 0"
Greater than 4 0", but スとさ Refer to common truss design for peak, splice, and heel plates. 240 Gable Vertical Plate Sizes PSF || # # 11 DATE DRWG A12015ENC100212 Hem-Fir #1 & Btr Group B group ---Southern Pine***
#1
#2 2/14/12 ASCE7-10-GAB12015 Southern Pinexxx
#3
Stud
Standard Þ gro No Splice XY 4X Grades Standard



` O → O ž Residential ASCE 7-10 Gable 120 , udw End Wind 8 Mean Height, Bracing Requirements Closed, Exposure -Stiffeners

8615 202 ₹ 0 2 SQE MDC П 100 30f (Š マ マ U307 can Hgt, ASCE 7-10, Enclosed, Exp C, or an Hgt, ASCE 7-10, Enclosed, Exp D, or an Hgt, ASCE 7-10, Part Enclosed, Exp IC DL=50 psf, Wind BC DL=50 psf

> エ I

900 ateral chors bracing requirements Builds ceiling sheathing diaphragm

20° on this detail Engineer's sealed 200mr) plotas and other information 702 this detail shown

No. s Da pcx Q S s S S (0128 x3",mm) nails

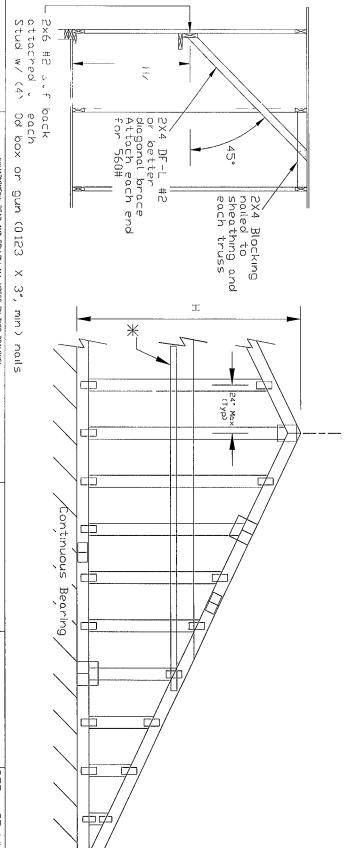
Less than 4'6" - no stud bracing required

Greater to roof diaphragm every $6^{\circ}0^{\circ}$ (see detail below or refer to DRWG A12030ENC100212) provide a 2x6 stiffback at mid-height and brace stiffback

Greater than 7'6" to 12'0" max provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0'' (see detail below or refer to DRWG A12030ENC100212) detail below or

I

★ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0128" x 3", min) nails @ 6" oc





Earth City MO 63045

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ITV Suiting Corporents Group Inc. shall not be responsible for any deviation ron, his dress for your to build the truss in conformance with ANSI/PPI or for housing, beinging, installated or criting of "russes. As seed on this dressing or cover page listing this drawing locks are successful or processional engineering responsibility salely for the design persons. The suition by and use forwing for any structure is the responsibility of the Baiding Designer per ANSI/PPI 1 Sec 2 for more information see this jab's general notes apige and these web sites. Trusses require extreme core in fabricating, handling, shipping, including and bracking. Refer to and the core in the set edition of ESSI (Balang Landwern Safety Informa on, by IPI and VICA) or safety rece is prior to performing these functions. Installers shell provide "emporary or drug per safety rules noted otherwise to perform the structure of the structure structure. The performance is the performance of the structure of the safety of the structure of the CENS THE STATE OF THE S MA× ĭ N N N SPACING 60 729 DATE REF 2/14/12 GABRST100212 Æ WHALER