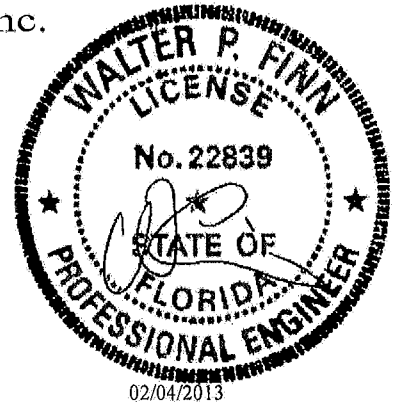


ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number 0 278
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID 1UTH487-Z0104094211



Truss Fabricator **Anderson Truss Company**
Job Identification **13-045--Fill in later Marks Res -- Lake City, FL**
Truss Count **3**
Model Code **Florida Building Code 2010**
Truss Criteria **FBG2010Res/TPI-2007(STD)**
Engineering Software **Alpine Software, Version 10.03.**
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 - 120 MPH ASCE 7-10 -Closed

Notes

1. 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: HCUSR487

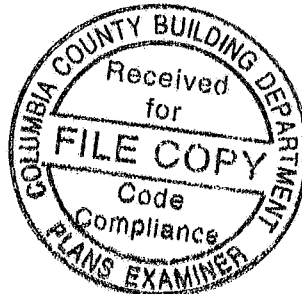
Walter P Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 12015EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	74164--A	26' Common	13035001	02/04/13
2	74165--A1	26' Common	13035002	02/04/13
3	74166--ADG	26' Gable	13035003	02/04/13

ALPINE



(13-045--Fill in later Marks Res -- Lake City, FL - A1 26' Common)

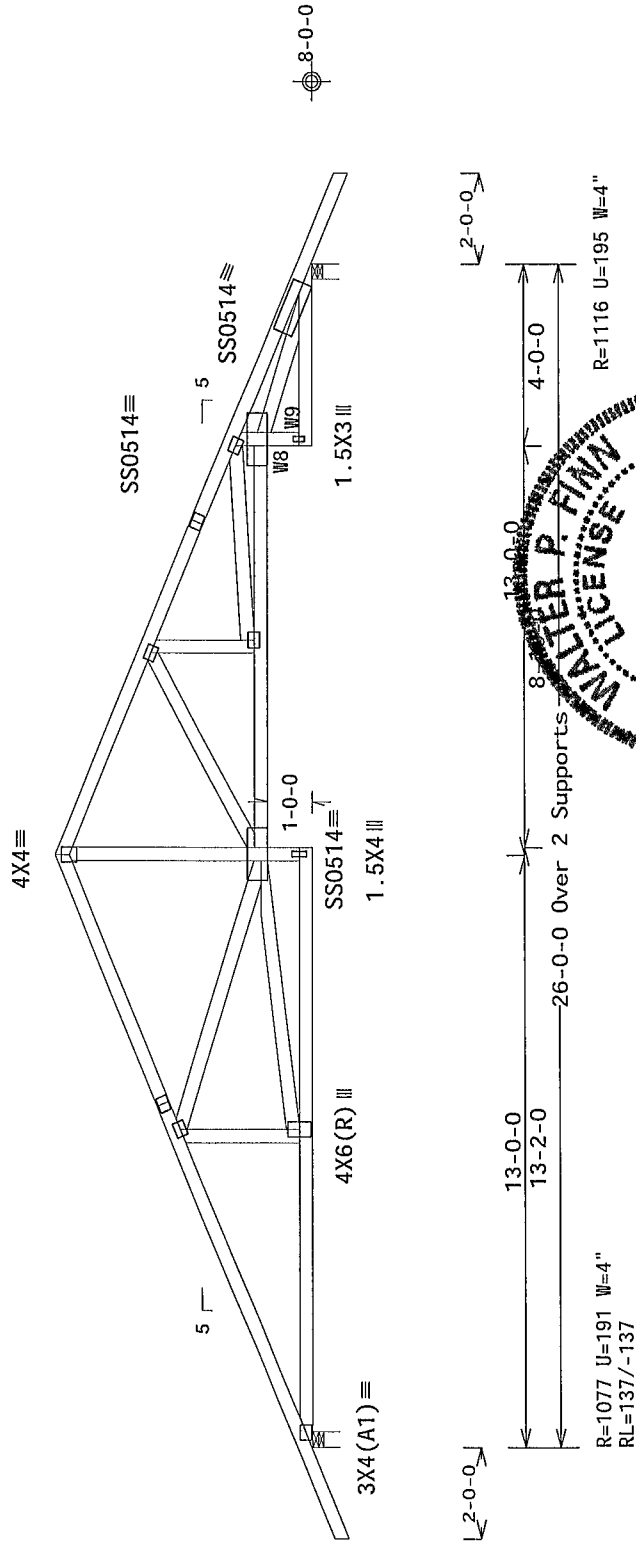
Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A W8, W9 2x4 SP #1_12A
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cpi(+/-)=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



Note: All Plates Are 3X4 Except As Shown.

PLT TYP. 18 Gauge HS, Wave

Design Crit: FBC2010Res/TPI-2007(S15)

FT/RT=20%(0%)/10(0)

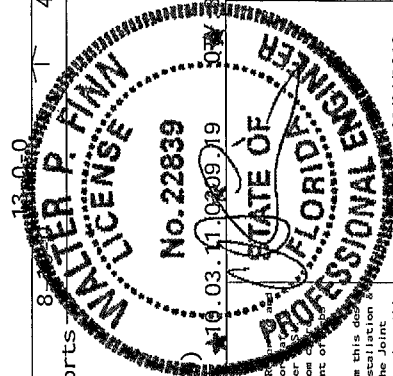
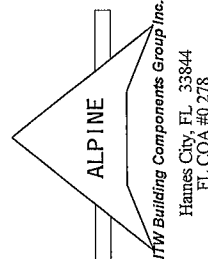
Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R487--	74165
TC DL	7.0 PSF	DATE	02/04/13	
BC DL	10.0 PSF	DRW	HCUSR487	13035002
BC LL	0.0 PSF	HC-ENG	JB/WPF	
TOT. LD.	37.0 PSF	SEQN-	52109	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UTH487_Z01	

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read and follow the latest edition of BCS (Building Component Safety) Information on by TPI and WTCA for practices prior to performing these functions. Installers shall provide temporary bracing per the design shown. Top chord and all other members shall be braced for lateral restraint of the truss. The bottom chord shall be braced for lateral restraint of the truss. The bottom chord shall have bracing installed per BCS sections B3, B7 or B10 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or for any damage to the truss or building structure caused by improper installation or use of this design. The installer and user of this design for any structure is responsible for the design shown. The installer and user of this design for any structure is responsible for the design shown. The installer and user of this design for any structure is responsible for the design shown. This job is general notice page. ITW BCG www.tbog.com TPI www.tpinet.org WTCA www.abnindustry.com ICC www.iccsafe.org



(13-045--Fill in later Marks Res -- Lake City, FL - ADG 26' Gable)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3_12A
Stack Chord SC1 2x4 SP_#1_12A Stack Chord SC2 2x4 SP_#1_12A
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC

See DWGS A12015ENC100212, GBLLET100212, & GABRST100212 for more requirements

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

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

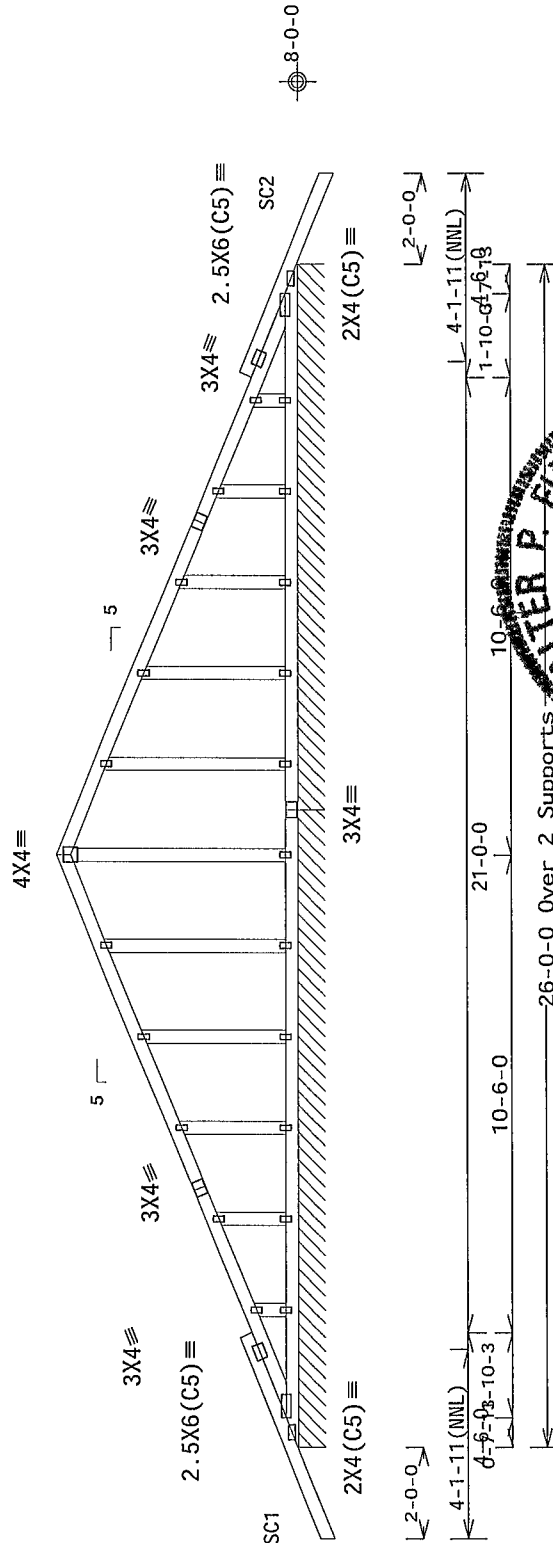
Deflection meets L/240 live and L/180 total load Creep increase factor for dead load is 1.50

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=3 5 psf, wind BC DL=5 0 psf 6Cpi(+/-)=0 18

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

Gable end supports 8" max rake overhang

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 noticable 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 noticable area using 3x6



R=167 PLF U=12 PLF W=14-0-0
RL=10/-10 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STB)

FT/RT=20%(0%)/10(0)

PLT TYP. Wave

FL/-5/-/-R/-

Scale = .25"/Ft.

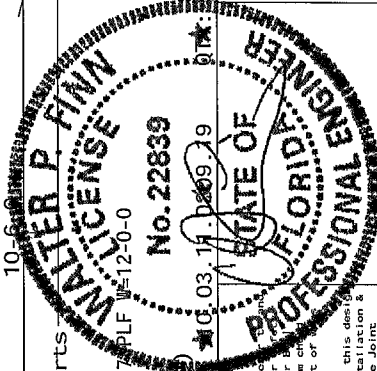
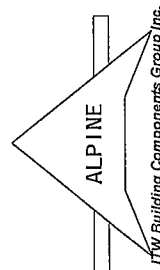
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TC DL	7.0 PSF	DATE	02/04/13	
BC DL	10.0 PSF	DRW	HCUSR487	13035003
BC LL	0.0 PSF	HC-ENG	JB/WPF	
TOT. LD.	37.0 PSF	SEQN-	51998	
DUR. FAC.	1.25			
SPACING	24.0"	JREF-	1UTH487_Z01	

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating handling shipping installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for practices prior to performing these functions. Installers shall provide temporary bracing per the instructions shown for permanent lateral restraint of the truss. The truss shall be installed in accordance with the instructions shown for permanent lateral restraint of the truss. The truss shall be installed in accordance with the instructions shown for permanent lateral restraint of the truss.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or failure to build the truss in conformance with ANSI/TPI 1 or for handling shipping installation & bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design of the truss structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2. For more information see the general notes page 17B-805 www.itwbcg.com TPI www.tpinet.org WTCA www.safesafe.org

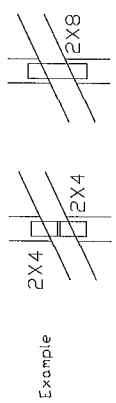




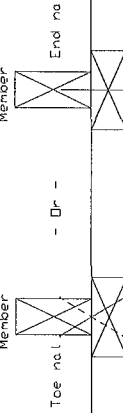
Refer to appropriate ITW gable detail for minimum plate sizes for vertical studs

- ➕ Refer to Engineered truss design for peak splice web and heel plates

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



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To convert from 'L' to 'T' reinforcing members multiply 'T' increase by length (based on appropriate ITW cable detail)

Maximum allowable T¹ reinforced gable vertical length is 14 from top to bottom chord

Web Length Increase w/ T Brace

T. Ref Mbr Size	T Increase
2x4	30 %
2x6	20 %

Appendix

ASCE 7-10 Wnd Speed - 120 mph

Mean	Roof Height = 30 ft	Kzt = 100
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Gable Vertical = 24 oc SP #3

*T Reinforcing Member Size = 2×4

T² Brace Increase (From Above) - 30% = 130

(i) 2×4 L" Brace Length = 8' 7"

Maximum T" Reinforced Gable Vertical Length

$$130 \times 87 = 112^{\circ}$$

See appropriate ITW cable detail for maximum vertical length.

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

[illegible]

ITW Bu ding Components Group Inc shall not be responsible for any deviation from this drawing, any modification or change. We are to build the truss in conformance with ANSI/TPI 1 or for building shipping installation and erection of trusses. A seal on this drawing or covering the drawing is not a guarantee of the accuracy of the drawing. The responsibility and use of this drawing is the responsibility of the Bu ding Designer per ANSI/TPI 1 Sec 2. The user of this drawing is responsible for the design and construction of the truss. For more information see this table's general notes and these web sites:

For more information see this job's general notes page and these web sites:
 TVPCC: www.itwlvcc.com TPI: www.tpnst.org VTCA: www.sbindustry.org ICC: www.iccsafe.org

Building Components Group Inc.

Earth City MO 63045

REF LEFT-IN VERT

DATE 2/16/12

DEWG GBLLETIN0212

MAX TOT ID 60 PSE

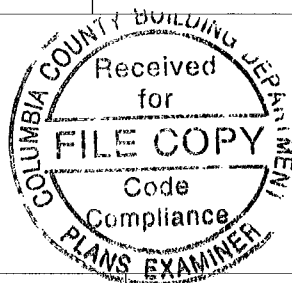
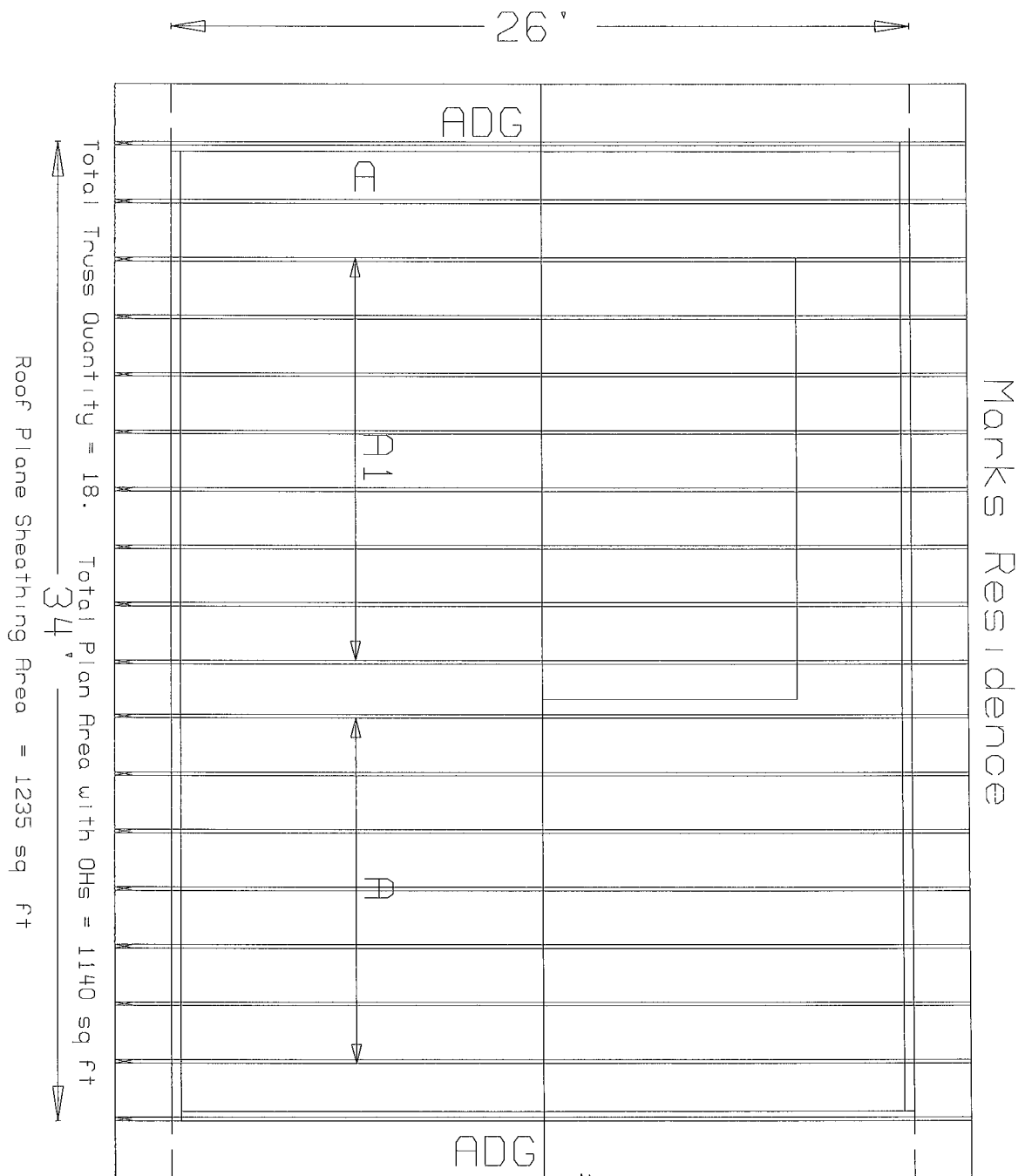
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MAX SPACING 240

02/04/2013

Feb 04 '13

[illegible]



PAGE NO 1 OF 1	JOB NO. 13-045	ADDRESS JOB DESCRIPTION / JOB # DESIGNER SALESMAN	Fill in later Marks Res 13 045 Curt V Burlingame Curt V Burlingame
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