31826

## 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:1V6R215-Z0128153224

Truss Fabricator W.B. Howland

Job Identification 8657-/GASPARRINI RESIDENCE /OWNER BUILDER -- , FL

Truss Count

Model Code. Florida Building Code 2010 Truss Criteria FBC2010Res/TPI-2007(STD)

Engineering Software. Alpine Software, Versions 12.03, 13.02.

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 - N/A

Floor - 55.0 PSF @ 1.00 Duration

Wind - No Wind

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: HCUSR215

Details: STRBRIBR-

#	Ref Description	Drawing#	Date
1	36993F1	14148124	05/28/14
2,	36994F2	14148125	05/28/14
3	36995F3	14148126	05/28/14
4	36996F4	14148127	05/28/14
5	36997 F5	14148128	05/28/14
6	36998F6	14148129	05/28/14
7	36999F7	14148130	05/28/14
8	37000F8	14148132	05/28/14
9	37001F9	14148131	05/28/14



05/28/2014

Walter P Finn -Truss Design Engineer-

1950 Marley Drive Haines City, FL 33844

F2)

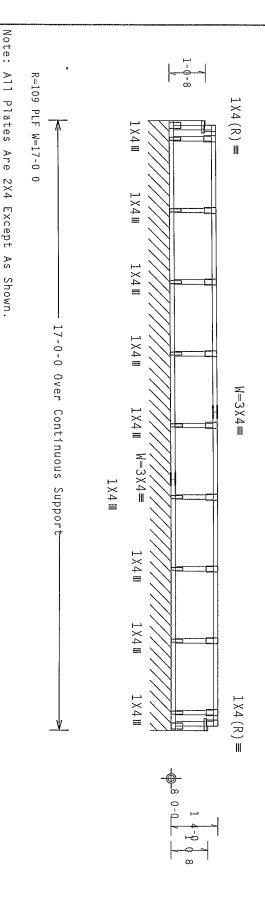
p chord 4x2 SP M-31 t chord 4x2 SP M-31 Webs 4x2 SP M-31

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

> Deflecti factor f for meets L/360 live and dead load is 150. L/240 total load Creep increase

Truss must be installed as shown with top chord up

Fasten rated sheathing to one face of this frame



TW Building Components Group ALPINE \*\*IMPORTART\*\*

Orlando FL, 32837 FL COA #0 278

PLT TYP.

Wave

ITW Building Components Group Inc. (ITMSCG) shall not be responsible for any deviation from this design failure to build the truss in conformance with ASI/IPI I 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 the drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility of the design shown. The suitability and use of this design for any structure the responsibility of the design shown. The suitability and use of this design for any structure the responsibility of the building Designer per MSI/IPI I Sec 2. For more information see. This job general notes page. ITM BCG New itwood com. IPI New tpinst org NTCA New Scindustry com. Trusses require extreme care in fabricating handling shipping installing and bracing Refer to an follow the latest edition of BCSI (Building Component Safety Information by TPI and WTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI unless noted otherwise top chord shall have properly attached structural shealthing and bottom chord shall have a properly attached rigid calling shown for permanent lateral restraint of web shall have a properly attached rigid calling shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3 B7 or B10 as applicable \*\*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=12%(0%)/10(0) any structure is see This job s A seal on thi 12.03. CENS 05/28/2014 \* 18441114149<sup>6</sup> ВС ВС SPACING DUR.FAC TC  $\mathcal{I}$ 0T.LD. FL/-/1/-/-/R/-2 DL 55.0 24.0" 1.00 10.0 PSF 40.0 PSF 0.0 5.0 PSF PSF PSF SEQN-DATE REF JREF-FROM HC-ENG DRW HCUSR215 14148125 Scale R215--1V6R215\_Z01 .11 SSB/WPF 05/28/14 392232 .375"/Ft. 36994

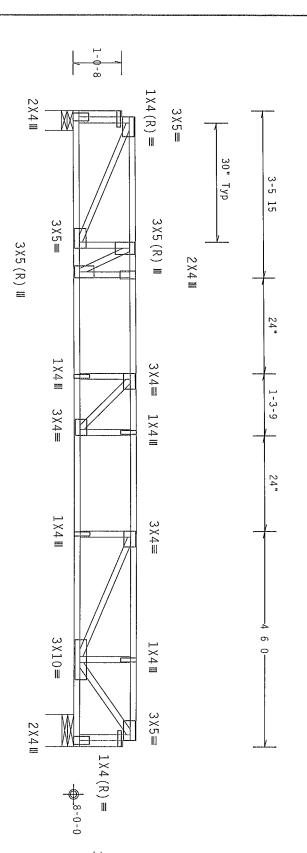
Top chord 4x2 SP M-31 Bot chord 4x2 SP M-31 Webs 4x2 SP M-31

Truss must be installed as shown with top chord ф

> See detail STRBRIBR0211 for bracing and bridging recommendations

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1  $50\,.$ 

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



\*\*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=12%(0%)/10(0)

TYP.

Wave

R=719 W=4

95

13-3-8 Over 2 Supports

R-719 W-8"

FL/-/1/-/-/R/-

Scale =.5"/Ft

R215-- 36996

PSF

DATE REF

05/28/14

Trusses require extreme care in fabricating handing shipping installing and bracing Refer to an follow the latest edition of BCSI (Burliding Component Safety Information by IPI and WICA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI unless noted otherwise top chord shall have properly attached Structural sheathing and bottom chord shall have a properly attached structural sheathing and bottom chord shall have a properly attached figlid cacinos shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 B7 or B10 as applicable

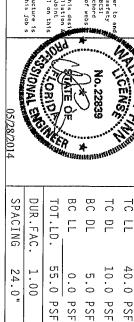
I'll Building Components Group Inc. (I'llBGC) shall not be responsible for any day ation from this dest any failure to build the trusts in conformance with AMSI/IPI | or for handling shipping installation bracing of trusses: Apply plates to each face of truss and position as shown above and on the Joint. seal on this

bracing of trusses. Apply plates to each face of truss and position as shown above and on t Details unless noted otherwise. Refer to drawings 160x 2 fore standard plate positions. A drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any responsibility solely for the design shown. Structure is This job s

**TW Building Components Group** 

ALPINE

Orlando FL, 32837 FL COA #0 278



PSF PSF PSF

SEQN-FROM

233807

JREF -

1V6R215\_Z01

HC-ENG

SSB/WPF

DRW HCUSR215 14148127

(8657 GASPARRINI RESIDENCE /OWNER BUILDER 드 F6)

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

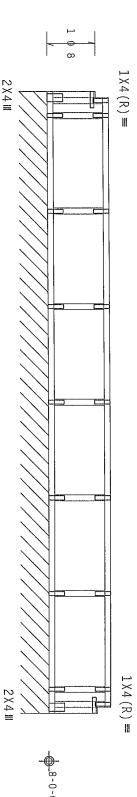
Bot chord 4x2 SP M-31 chord 4x2 SP M-31 Webs 4x2 SP M-31

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1 50  $\,$ 

Truss must be installed as shown with top chord up.

Fasten rated sheathing to one face of this frame





13-0-0 Over Continuous Support

R=108 PLF W=13-0-0

Note: All Plates Are 1X4 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=12%(0%)/10(0)

12. . Ω

/1/-/-/R/-

Scale =.5" R215--

40.0 PSF

REF

36998

Trusses require extreme care in fabricating handling shipping installing and bracing Refer to an follow the latest edition of BoSi (Building Component Safety Information by TPI and WTcA) for safety practices prior to performing these functions Installers shall provide temporary bracing pen BOSI Unless noted otherwise top chord shall have properly attached structural shalling and bottom chord shall have a properly attached structural shalling and bottom chord shall have a properly attached structural shalling and bottom chord shall have a properly attached frigid calling Locations shown for permanent lateral restraint of websits and the properly attached structural shalling and bottom chord shall have a properly attached frigid calling lateral restraint of websits. \*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET!

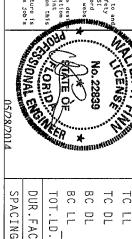
\*\*IMPORTANT\*\* FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

ITW Building Components Group Inc. (ITWBCC) shall not be responsible for any deviation from this desk any failure to build the trust in conformance with AMS/IFW 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 Datalla unlass noted otherwise. Before to drawings 1604 2 for standard plate positions. A sea on thi drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown. The suitability solely for the design shown. The suitability solely for the design shown. The suitability solely for the design shown is a suitability of the selection see. This got the responsibility of the selection see. This got squeeze increase the suitable spage in the selection see that the responsibility of the selection see. structure is This job's

TW Building Components Group Inc.

ALPINE

Orlando FL, 32837 FL COA #0 278



2014	***	E E E	Y ,	4 ************************************	Mile
SPACING	DUR.FAC.	TOT.LD.	BC LL	BC DL	TC DL
24.0"	1.00	55.0 PSF	0.0 PSF	5.0 PSF	10.0 PSF
JREF- 1V6R215_Z01	FROM CDM	SEQN- 392221	HC-ENG SSB/WPF	DRW HCUSR215 14148129	DATE 05/28/14

Top chord 2x4 Bot chord 2x4 Webs 2x4 Special loads Truss must be installed as -- (Lumber Dur Fac.=1.00 from 150 plf at 0 00 From 150 plf at 6 58 From 5 plf at 0 00 From 5 plf at 13 15 From 174 1 From From 17 lb SP M-31 SP M-31 SP M-31 shown with top chord up 000 000 000 000 / Plate Dur Fac =1 00)
0 to 150 plf at 6.58
8 to 150 plf at 19 58
0 to 5 plf at 13 15
5 to 5 plf at 19 58
t 2 15, 4.15, 6 15, 8 1

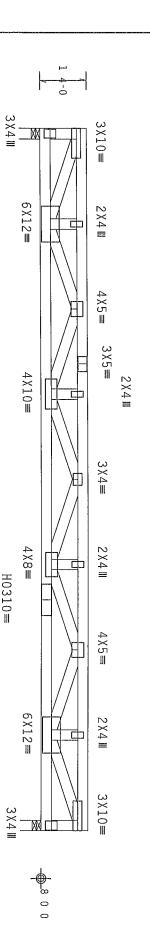
The overall height of this truss excluding overhang is 1-4-0

Nail Schedule 0 131"x3", min. nails Top Chord: 1 Row @ 8 25" o.c. Bot Chord: 1 Row @12 00" o c Webs: 1 Row @ 4" o c Use equal spacing between rows and in each row to avoid splitting COMPLETE TRUSSES REQUIRED

and stagger nails

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

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is  $1\ 50$ 



19-7-0 Over 2 Supports R=2298 W=3ຜ

20 Gauge HS , Wave Design Crit: FBC2010Res/TPI-2007(STD)FT/RT=20%(0%)/10(0)13.02 FL/-/1/-/-/R/-

PLT TYP.

\*\*IMPORTANT\*\*

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

R=2305 W=3

I'll Building Components Group Inc. (ITHBGG) shall not be responsible for any deviation from this design any failure to build the trust in conformance with AMS/IPI or for handling shipping intelliation bracing of trustees. Apply plates to each face of trust and position as shown above and on the Joint Details unless noted otherwise Refer to drawings 160A Z for stendard plate positions. A seal on this drawing in cover page listing this drawing indicates acceptance of professional engineering responsibility of the design shown. The suitability and use of this design for any structure if the responsibility of the design shown. The suitability and use of this design for any structure if the responsibility of the Building besigner per AMS/IPI I. Sec 2 for more information see. This 3bb general notes page INB BCG www.itabog.com. TPI www.tpinsto.org.www.sbcindustry.com. Trusses require extreme care in fabricating handling shipping installing and bracing Refer to an follow the latest edition of BCSI (Building Component Safety Information by TPI and NTCA) for safety practices prior to performing these functions Installers shall provide temporary bracing per BCSI Unless noted otherwise top chord shall have properly attached Structural sheathing and bottom chord shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid calling Locations shown for permanent lateral restraint of webs shall have a bracing installed per BCSI sections B3 B7 or B10 as applicable A seal on this

ITW Building Components Group

ALPINE

This job s CENS 05/28/2014 DUR.FAC. ВС TC DL SPACING PL 55.0 10 0 1.00 24.0" 0.0 5. 0 PSF PSF PSF PSF SEQN-DATE FROM HC-ENG DRW HCUSR215 14148132 JREF-1V6R215\_Z01 SSB/WPF 05/28/14 234767

J.C

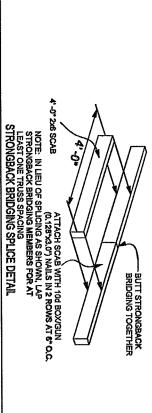
40.0

PSF

REF

Scale =.375"/Ft. R215-- 37000

## STRONGBACK BRIDGING RECOMMENDATIONS



NOTE: Details 1 and 2 are the preferred attachment methods WEB W/ (3) 10d COMMON (0.148"X3") NAILS OR (4) 10d /GUN (0.128"X3.0") NAILS 

STRONGBACK BRIDGING
SPACING REQUIREMENTS
Up to 10' None required
10' to 20' 1 row (at center of span)

20' to 30' 2 rows (1 at each ½ point) 30' to 40' 3 rows (1 at each ½ point) Over 40' Space rows at 10' o.c.

(2) 10d COMMON (0.148"x3.0") OR BOXGLIN (0.128"x3.0") NAILS AT TOP AND BOTTOM OF 2x4 SCAB-ON BLOCK, ATTACH STRONGBACK TO BLOCK WI (3) 10d COMMON (0.148"x3.0") NAILS OR (4)10d BOXIGUN (0.128"x3.0") NAILS.

RESTRAINED AT EACH END. 2x6 (MINIMUM) STRONGBACK,

(ယ

All scab-on blocks shall be a minimum 2x4 "stress graded lumber."

All strongback bridging and bracing shall be a minimum 2x6 "stress graded lumber."

is recommended at 10' -0" o.c. (max.) individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, The purpose of strongback bridging is to develop load sharing betweer

a truss system to help control vibration. In addition to aiding in the point loads, such as footsteps. serves to reduce "bounce" or residual vibration resulting from moving distribution of point loads between adjacent truss, strongback bridging interchangeably. "Bracing" is an important structural requirement of "Bridging," particularly "strongback bridging" is a recommendation for the bracing requirements for each individual truss component. any floor or roof system. Refer to the Truss Design Drawing (TDD) for The terms "bridging" and "bracing" are sometimes mistakenly used

Building Compents Group Inc. of strongback bridging and therefore is strongly recommended by ITW The performance of all floor systems are enhanced by the installation

For additional information regarding strongback bridging, refer to BCS (Building Component Safety Information).



\*\*SLERING\*\* RELD MID FOLLOW ALL MOTES ON THIS SHEET!
Trusses require extreme care in theredaing, handling, abliphing, installing and brancing. Refer to and foliow EGG (Building Composent Safety information, by 772 and 8722) for safety presides prior to performing these functions. Installing a shall provide temporary breaking per EGE. Unless noted otherwas, top chord shall have properly stated of regid celling, locations shown for permanent lateral restraint of wide shall have a properly stateded rigid celling. Constitute shown for permanent lateral restraint of wide shall have investigated and the control of the control of the celling of the celling shall have a properly stateded rigid celling. Constitute shown for permanent lateral restraint of wide shall have breach investigated and the celling of the c

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

ATTACH STRONGBACK TO BOTTOM CHORD WITH (2) #10 - 3" SCREWS

"WENDERLY PERSONS COPY OF THIS DESIGN TO INSTALLATION CONTRICTOR.

If Building Components Group hat, (ITSGT) shall not be responsible for any deviation from this design, any failure to build the trues in conformance with Tr. or fabricating, handling, a hipping, familing & bracing of truess. ITSGC connector plates the trues in conformance with Tr. or fabricating, handling, a hipping, familing & bracing of truess. ITSGC connector plates the made of 20/14/1614 (VI/S/I) 1874 1853 grade 37/40/50 (VI/S/I)3) gain, steal. Apply plates to each face of trues, positioned as shown above and or mint leads acceptance and professional engineering responsibility solubly for the trues a seal on this drawing or cover page indicates acceptance and professional engineering responsibility solubly for the trues.

. 191: www.tpinst.com; WTC&: www.sbcindustry.com; ICC: www.iccsafa.org

ag or cover page indicates acceptance and professional engineering responsibility solely for the truss

Earth City MO 63045



TC E	PSF	REF	STRONGBACK
TC DL	PSF	TATE	DATE 2/28/11
BC DL	PSF	DRWG	DRWG STRBRIBRO211
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.	1.00		