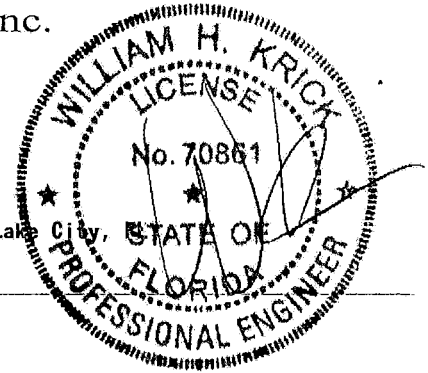


ITW Building Components Group, Inc.

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 1V43487-Z0121142341



Truss Fabricator **Anderson Truss Company**

Job Identification **14-029--Trademark Construction /Glen Garage Addition -- Lake City, FL**

Truss Count **3**

Model Code **Florida Building Code 2010**

Truss Criteria **FBC2010Res/TPI-2007(STD)**

Engineering Software **Alpine Software, Version 12.03.**

Structural Engineer of Record **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**

Address

Minimum Design Loads

Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 120 MPH ASCE 7-10 -Closed

02/21/2014

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: HCUSR9114

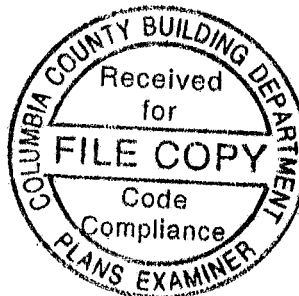
William H Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: 12015EC1-GBLLETIN-GABRST10-

#	Ref	Description	Drawing#	Date
1	78119	-A 28' Common	14052001	02/21/14
2	78120	-AGE 28' Gable	14052002	02/21/14
3	78121	-AGE1 28' Gable	14052003	02/21/14

ALPINE



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

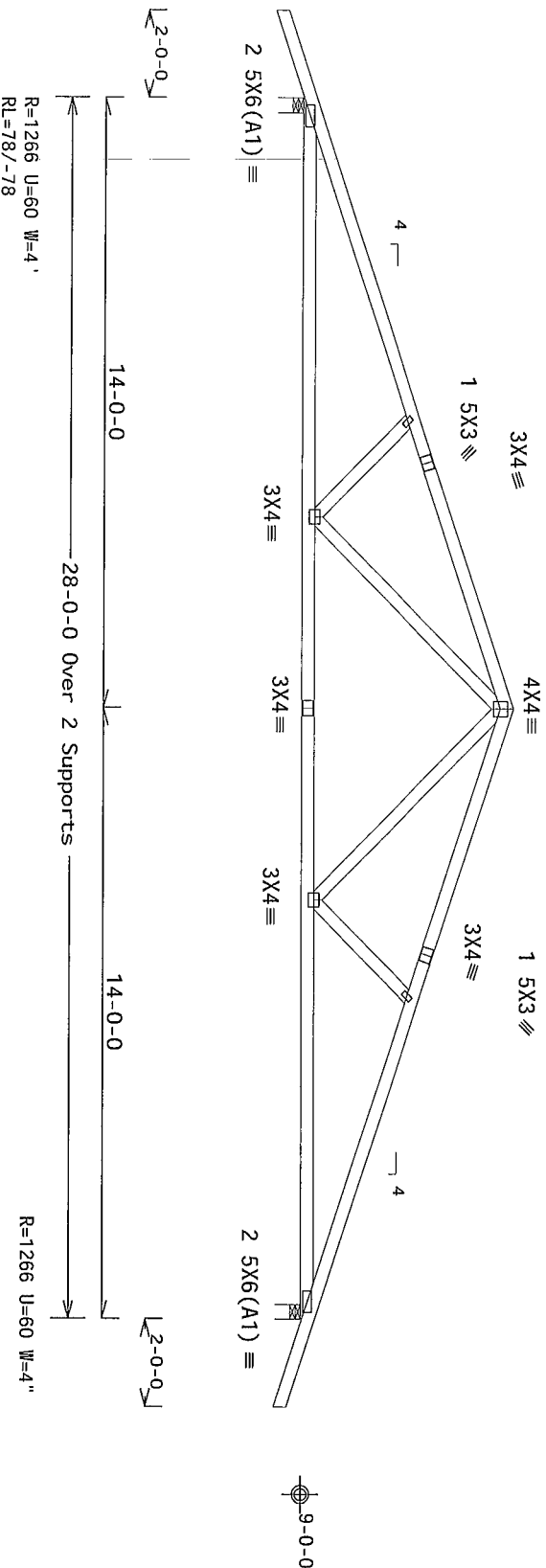
Lumber grades designated with "13B" use design values approved
1/30/2013 by ALSC

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

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

Wind loads and reactions based on MMFRS 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



PLT TYP Wave

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

12.03.04.0326.17

QTY: 14 FL/-/4/-/-/R/-

Scale = .25"/Ft.

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

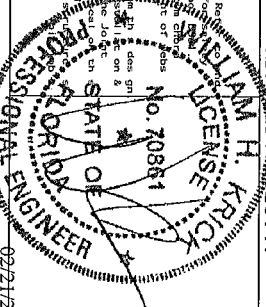
Trusses require extreme care in fabricating, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information by TPI and WTC. Prior to erection, the contractor shall have properly attached structural sheathing and bracing. The contractor shall have a properly attached BCSI section 33 or 810 as applicable. The contractor shall have bracing installed per BCSI sections 33 or 810 as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any design or fabrication error due to the use of this design for any other purpose. The contractor shall be responsible for any design or fabrication error due to the use of this design for any other purpose. The contractor shall be responsible for any design or fabrication error due to the use of this design for any other purpose.

ALPINE

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



02/21/2014

TC LL	20.0 PSF	REF	R9114- 78119
TC DL	10.0 PSF	DATE	02/21/14
BC DL	10.0 PSF	DRW	HCSR9114 14052001
BC LL	0.0 PSF	HC-ENG	SSB/WHK
TOT. LD	40.0 PSF	SEQN-	28507
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V43487_Z01

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

Webs 2x4 SP #3-13B

Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

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

See DWGS A12015ENC100212, GBLETTIN0212, & GABRST100212 for more requirements

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

120 mph wind, 15 00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT 11, EXP B, wind TC DL=3 5 psf, wind BC DL=5 0 psf Gcpl(+/-)=0 18

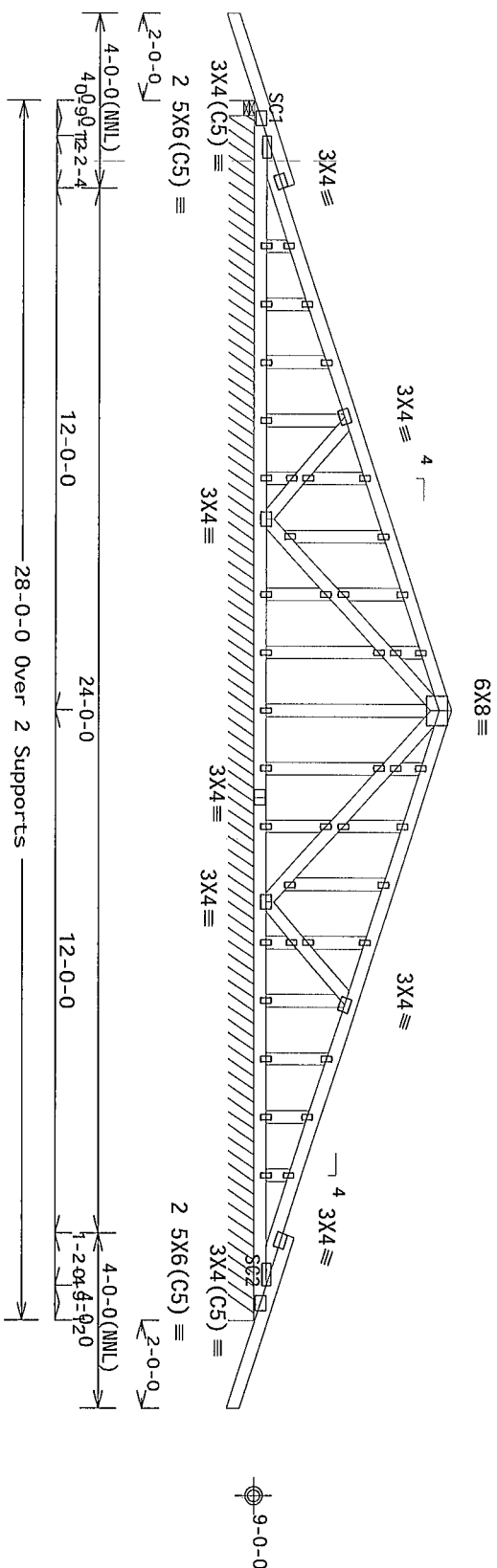
Wind loads and reactions based on MMFRS with additional C&C member design

Truss spaced at 24 0" OC designed to support 0-6-0 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" OC

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

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



R=330 U=42 W=4
R=83 PIRL=302 PIG W=27-8-0

Note: All Plates Are 1 5X3 Except As Shown

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

12.03.04.0326.17

QTY.1 FL/-/4/-/-/R/-

Scale = .25"/Ft.

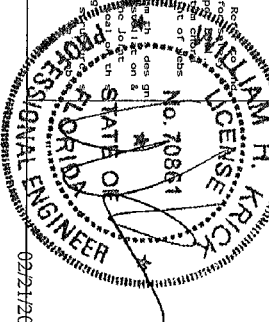
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping and bracing. Trusses shall follow the latest edition of BCSI (Building Component Safety Information by TPI and WCA) practices prior to performing these functions. Installers shall provide temporary bracing in areas noted otherwise. See attached detail for bracing requirements.

ADMIN

ITW Building Components Group Inc.

Orlando FL, 32837
FL COA #0278



~~02/21/2014~~

TC LL	20 0 PSF	REF	R9114- 78120
TC DL	10.0 PSF	DATE	02/21/14
BC DL	10 0 PSF	DRW	HCU8R9114 14052002
BC LL	0 0 PSF	HC-ENG	SSB/MMH
TOT. LD	40 0 PSF	SEQN-	28496
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V43487_Z01

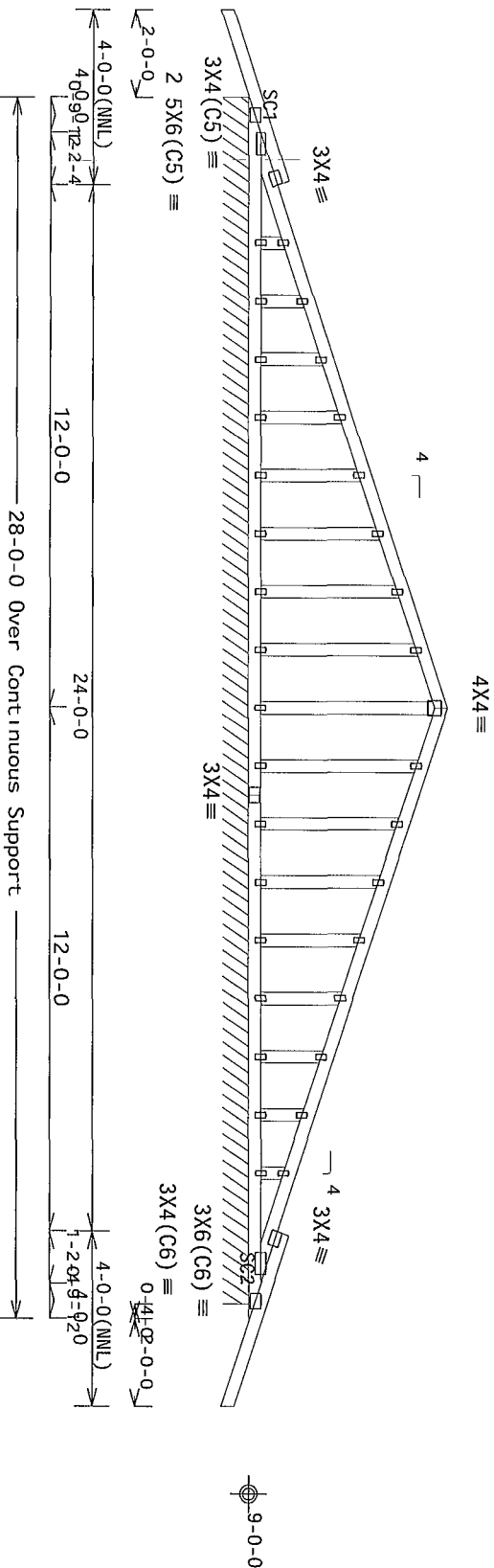
Top chord 2x4 SP #1-13B
Bot chord 2x4 SP #1-13B
Webs 2x4 SP #3-13B
Stack Chord SC1 2x4 SP #1-13B Stack Chord SC2 2x4 SP #1-13B

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

Truss spaced at 24" OC designed to support 0-6-0 top chord outlookers Cladding load shall not exceed 10 00 PSF Top chord must not be cut or notched

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

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
Right cantilever is exposed to wind
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



R=93 PLF U=3 PLF W=27-8-0
RL=2/-2 PLF

Note All Plates Are 1 5X3 Except As Shown

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

12 03 04 0326 17 QTY:1 FL/-/4/-/-/R/- Scale = .25"/Ft.

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 Components Safety Information) by TPI and WTC. Practices prior to performance of these functions. Installers shall provide temporary bracing until such time as the truss is properly attached to the structure. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10 as applicable.

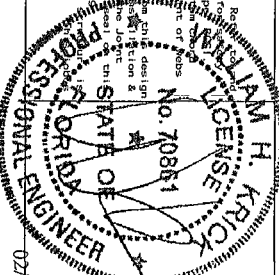
TPI Building Components Group Inc. (TIBCO) shall not be responsible for any design or construction errors or omissions. The user of this design shall be responsible for the design and construction of the truss system.

ALPINE

TPI Building Components Group Inc.

Orlando FL 32837
FL COA #0278

ICC www.ccsafe.org



02/21/2014

TC LL	20.0 PSF	REF	R9114- 78121
TC DL	10.0 PSF	DATE	02/21/14
BC DL	10.0 PSF	DRW	HCSR9114 14052003
BC LL	0 0 PSF	HC-ENG	SSB/MHK
TOT. LD	40.0 PSF	SEQN-	28503
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1V43487_Z01

ASCE 7-10 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, $K_z t = 100$

Dr	100	mph	Wind	Speed	15	Mean	Height, Partially Enclosed	Exposure C	Kzt = 1.00
Dr	100	mph	Wind	Speed	15	Mean	Height, Enclosed, Exposure D,	Kzt = 1.00	

Bracing Group Species and Grades:

Group A			
Spruce-Pine-Fir	Hem-Fir		
#1 / #2 Standard	#2 Stud		
#3 Stud	#3 Standard		
Douglas Fir-Larch		Southern Pine***	
#3 Stud	#3 Stud		
Standard	Standard		

Group B

Hem-Fir	
#1 & Btr	
#1	

Douglas Fir-Larch

#1	
#2	

Southern Pine***

#1	
#2	

1x4 Braces shall be SRB (Stress-Rated Board).

**For 1x4 So. Pine use only Industrial S5 or Industrial H5 Stress-Rated Boards. Group B values may be used with these grades.

Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Wind Load deflection criterion is $L/240$.

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

So, Pine lumber design values based on the ALSC January 2012 ruling

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) 1" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

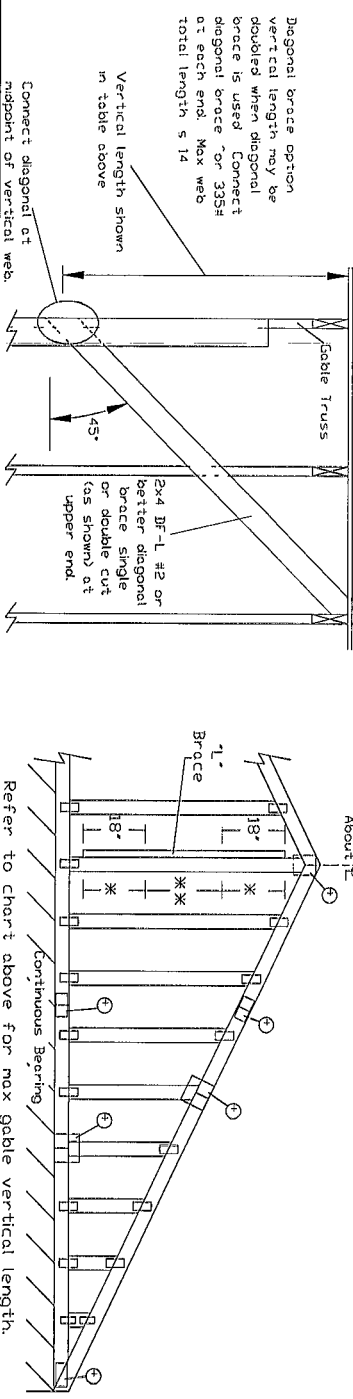
For (2) L' braces space nails at 3' o.c.
in 18' end zones and 6' o.c. between zones.

"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical length	No Splice
Less than 4' 0"	1x4 or 2x3
Greater than 4' 0" but less than 11' 6"	2x4
Greater than 11' 6"	2x5x4

+ Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
 IMPORTANT FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS



Building Components Group Inc.

Trussers require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the latest edition of AISC's "Fabricating Component Safety" Information by IPI and AWS for all practices prior to performing these functions. Installers shall provide temporary bracing per AISC practices noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing of webs shall have bracing installed per AISC sections 3.3, 3.7 or 3.10, as applicable. Apply plates to webs of chords and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings ISM-27 for standard plate positions.

Earth City MO 63045

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, or failure to build the truss in accordance with ANSI/TPI 1 or for handling, shipping, installation, or erection of this truss. A seal on this drawing or cover page listing the drawing, indicates acceptance of this drawing. The manufacturer of this truss is responsible for the accuracy of the drawing. The drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec 2.2. For more information see this job's General notes page and these web sites:
 TPI: <http://www.tpi.org> VITA: <http://www.vita-usa.com> IBC: <http://www.icbc.com>

MAX TDT LD 60 PSF
MAX SPACING 240"

[illegible]

Professional Engineer Seal for William H. Krick, State of Florida, License No. 70861. The seal is circular with the text "WILLIAM H. KRICK" at the top, "FLORIDA" at the bottom, and "STATE OF FLORIDA" in the center. The license number "No. 70861" is also visible. The date "02/2/12" is written at the bottom left.

02/21/2014

ASCE 7-10 120 mph, 30' Mean Height, Closed, Exposure C Common Residential Gable End Wind Bracing Requirements - Stiffeners

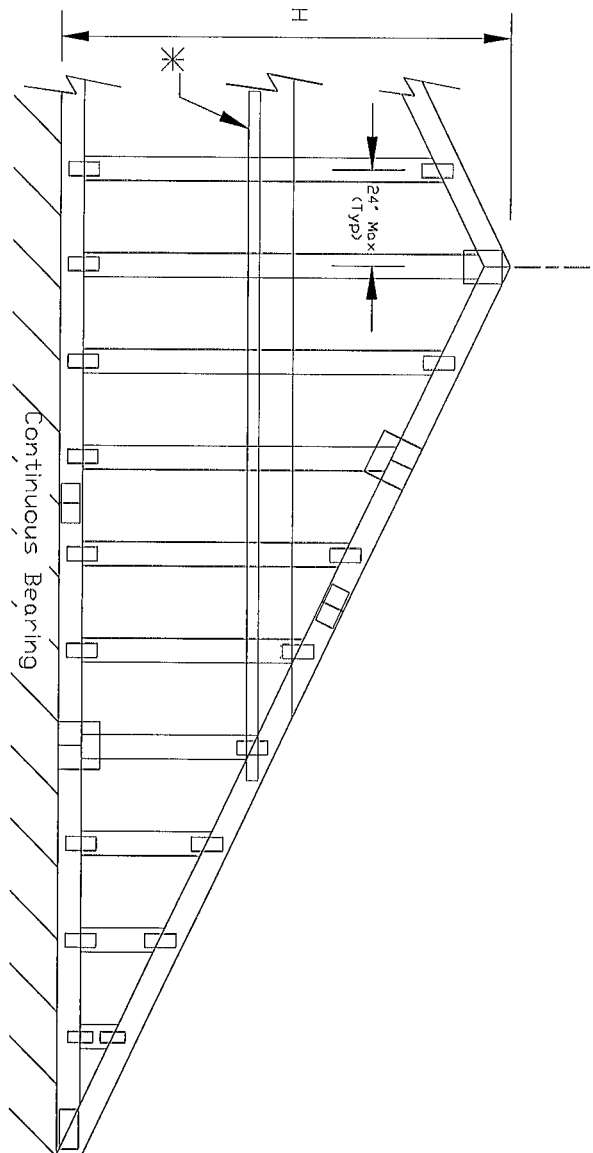
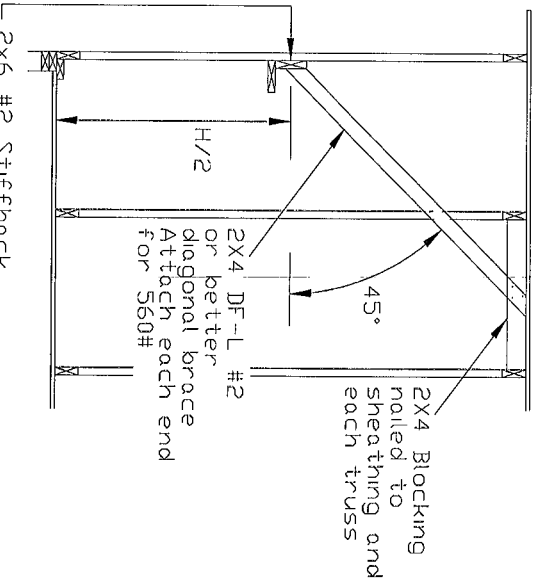
120 mph, 30ft Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft Mean Hgt, ASCE 7-10, Part Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=50 psf, Wind BC DL=50 psf

Lateral chord bracing requirements
Top Continuous roof sheathing
Bot Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail
for lumber, plates, and other information not shown
on this detail

Nails 10d box or gun (0128"x3",min) nails

2x6 #2 Stiffback
attached to each
Stud w/ (4) 10d box or gun (0123" X 3", min) nails



- H Less than 4'6" - no stud bracing required
- H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback
to roof diaphragm every 6'0" (see detail below or
refer to DRWG A12030ENC100212)
- H 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)
- * Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0128" x 3", min) nails @ 6" o.c



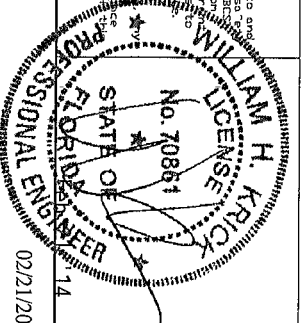
Building Components Group Inc.

Earth City MO 63045

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to any
fabricating instructions, erection drawings, and bracing drawings for specific details. Trusses should be
checked prior to performing these functions. Trusses shall be braced in accordance with the bracing
notes noted otherwise. Top Chord shall have properly attached structural sheathing and bottom
chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance
are for reference only. Trusses shall be braced in accordance with the bracing drawings and the
notes on the drawings. Refer to drawings 160A-Z for standard plate positions.

Building Components Group Inc. shall not be responsible for any deviation from this drawing
due to misinterpretation or omission. Trusses, handling, shipping, installation and bracing
of trusses. A seal on this drawing or cover page listing the name of the professional engineer
responsible for the design shown. The suitability and use
of this drawing is the responsibility of the user. For more information, visit
www.bcginc.com, 1-800-368-7777, www.bcginc.com, 1-800-368-7777, www.bcginc.com, 1-800-368-7777



MAX TDT LD 60 PSF
MAX SPACING

REF GE WHALER
DATE 2/14/12
DRWG GABRST100212

02/21/2014