

Columbia County Building Permit Application

NICKELSON, ISAAC

For Office Use Only Application # 1205-25 Date Received 5/19 By 16 Permit # 30184
 Zoning Official BLK Date 22 May 2012 Flood Zone X Land Use A-3 Zoning PRRD
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner T.G. Date 5-15-12
 Comments _____
☒ NOC ☐ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Well letter ☐ 911 Sheet ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter _____
 IMPACT FEES: EMS _____ Fire _____ Corr _____ ☒ Sub VF Form _____
 Road/Code _____ School _____ = TOTAL (Suspended) ☐ Ellisville Water ☒ App Fee Paid _____

Septic Permit No. N/A X6641 in Release Box Fax _____

Name Authorized Person Signing Permit Isaac Nickelson Phone (386) 965-0985

Address 198 SW Hydraulic Way Lake City, FL 32024

Owners Name Richard Bicknell / Jessica Bicknell Phone (386) 292-9133

911 Address 234 SW Windsor Dr Lake City, FL 32024 ^{Previously} Permitted

Contractors Name Isaac Nickelson Phone (386) 965-0985

Address 198 SW Hydraulic Way Lake City, FL 32024

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Nicholas Paul Geisler 1758 NW Brown Rd. Lake City, FL

Mortgage Lenders Name & Address N/A 32055

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 30-35-16-02411-105 Estimated Cost of Construction \$70,000

Subdivision Name Hills of Windsor Lot 5 Block _____ Unit _____ Phase _____

Driving Directions Hwy 90 West Turn Left on SW Windsor Dr

234 SW Windsor Dr is on Right.

Number of Existing Dwellings on Property 2

Construction of DETACHED Garage Total Acreage _____ Lot Size _____

Do you need a Culvert Permit or Culvert waiver or Have an Existing Drive Total Building Height 40 ft.

SEE THE PLAN
Actual Distance of Structure from Property Lines - Front 565 ft. Side 250 ft. Side 148 ft. Rear 185 ft.

Number of Stories 1 Heated Floor Area N/A Total Floor Area 1,840 Roof Pitch 12/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE:** Florida Building Code 2010 and the 2008 National Electrical Code.

- C#

1487

Columbia County Property Appraiser

CAMA updated: 5/2/2012

2011 Tax Year

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Parcel: 30-3S-16-02411-105

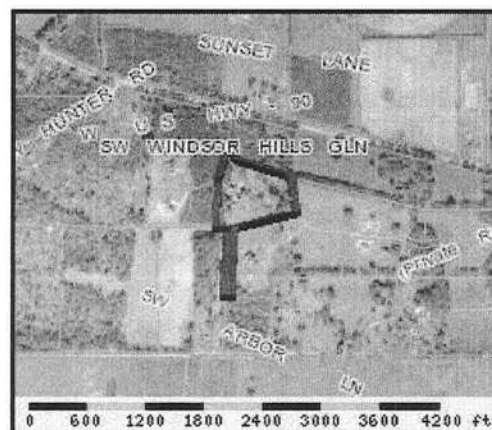
<< Next Lower Parcel

Next Higher Parcel >>

Owner & Property Info

Search Result: 1 of 1

Owner's Name	BICKNELL RICHARD R & JESSICA J		
Mailing Address	P O BOX 307 LAKE CITY, FL 32056-0307		
Site Address	234 SW WINDSOR DR		
Use Desc. (code)	SFRES/SFRE (000101)		
Tax District	3 (County)	Neighborhood	30316
Land Area	11.490 ACRES	Market Area	01
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
LOT 5 HILLS OF WINDSOR S/D. WD 1222-1712			



Property & Assessment Values

2011 Certified Values		
Mkt Land Value	cnt: (0)	\$270,000.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (2)	\$1,019,521.00
XFOB Value	cnt: (6)	\$46,350.00
Total Appraised Value		\$1,335,871.00
Just Value		\$1,335,871.00
Class Value		\$0.00
Assessed Value		\$1,059,698.00
Exempt Value	(code: HX)	\$50,000.00
Total Taxable Value	Cnty: \$1,009,698 Other: \$1,009,698 Schl:	\$1,034,698

2012 Working Values

NOTE:

2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
10/7/2011	1222/1712	WD	I	Q	01	\$1,000,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1999	COMMON BRK (19)	11807	14664	\$669,330.00
2	SINGLE FAM (000100)	2001	COMMON BRK (19)	1525	3270	\$138,080.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0280	POOL R/CON	1999	\$19,354.00	0001955.000	0 x 0 x 0	(000.00)
0170	FPLC 2STRY	1999	\$2,750.00	0000001.000	0 x 0 x 0	(000.00)
0166	CONC,PAVMT	1999	\$19,371.00	0012914.000	0 x 0 x 0	(000.00)
0119	MASONRY WA	1999	\$486.00	0000540.000	180 x 3 x 0	(000.00)

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

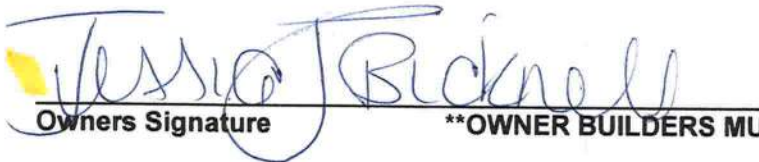
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

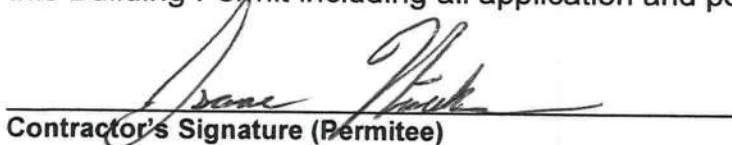
NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.


Owners Signature

(Owners Must Sign All Applications Before Permit Issuance.)

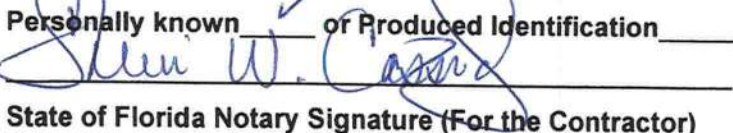
****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.


Contractor's Signature (Permitee)

Contractor's License Number CBC-1258773
Columbia County
Competency Card Number 1026

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 4th day of May 2012.
Personally known or Produced Identification


State of Florida Notary Signature (For the Contractor)

SEAL



SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1205-25 CONTRACTOR ISAAC NICKELSON PHONE 965-0985

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

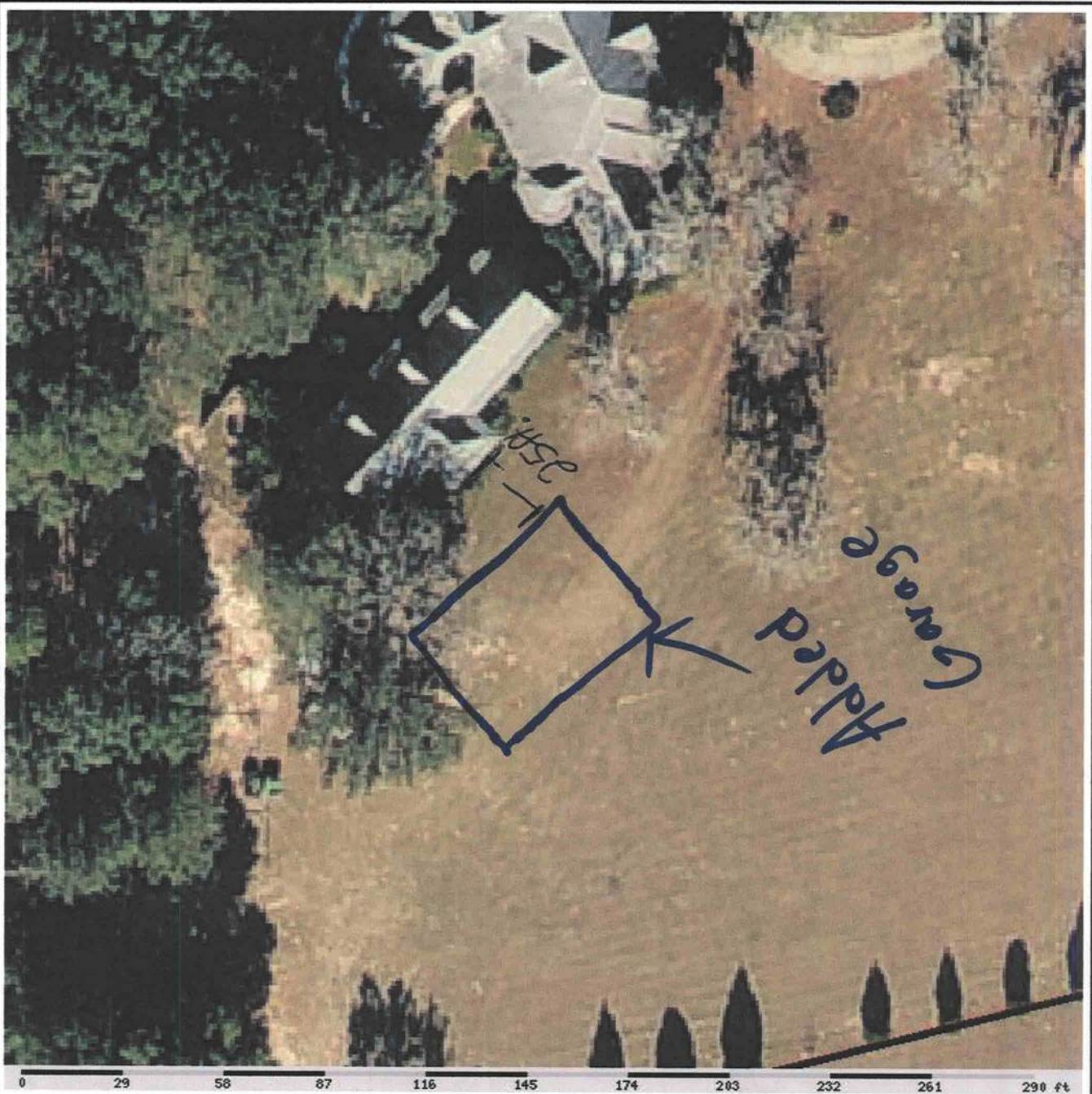
Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____
✓ ROOFING <u>494</u>	Print Name <u>Precision Exteriors</u> License #: <u>CCC1327718</u>	Signature <u>[Signature]</u> Phone #: <u>386-867-1439</u>
SHEET METAL	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: <u>N/A</u>	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
✓ FRAMING <u>1026</u>	<u>CBC-1258773</u>	<u>Isaac Nickelson</u>	<u>[Signature]</u>
INSULATION			
STUCCO			
DRYWALL			
PLASTER		<u>N/A</u>	
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

SITE PLAN



Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 30-3S-16-02411-105 - SFRES/SFRE (000101)

LOT 5 HILLS OF WINDSOR S/D. WD 1222-1712

Name: BICKNELL RICHARD R & JESSICA J

Site: 234 SW WINDSOR DR

Mail: P O BOX 307
LAKE CITY, FL 32056

Sales Info 10/7/2011

\$1,000,000.00 I / Q

2011 Certified Values

Land	\$270,000.00
Bldg	\$1,019,521.00
Assd	\$1,059,698.00
Exmpt	\$50,000.00
Cnty	\$1,009,698
Taxbl	Other: \$1,009,698 Schl: \$1,034,698

NOTES:



This information, updated: 4/20/2012, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

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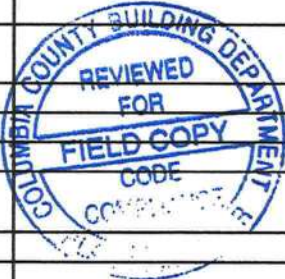
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PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING			
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			





CBC-1258773

P.O. Box 2231 Lake City, FL 32056

Date: 4/24/12

Florida Product approval Codes:

- a. Windows - FL8114-R2
- b. Doors - FL10846-R2

Sincerely, Isaac Nickelson
(386) 965-0985
Owner/President

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

30-35-16-02411-105

Clerk's Office Stamp

Inst: 201212007134 Date: 5/9/2012 Time: 1:37 PM
DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1234 P: 1423

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Single Family Residence
a) Street (Job) Address: 234 SW Windsor Dr Lake City, FL 32024
2. General description of improvements: Added Garage
3. Owner Information
a) Name and address: Richard Bicknell or Jessica J Bicknell
b) Name and address of fee simple titleholder (if other than owner): 234 SW Windsor Dr Lake City, FL 32024
c) Interest in property: _____
4. Contractor Information
a) Name and address: Isaac Nickelson
b) Telephone No.: 386-965-0985 Fax No. (Opt.): _____
5. Surety Information
a) Name and address: _____
b) Amount of Bond: _____
c) Telephone No.: _____ Fax No. (Opt.): _____
6. Lender
a) Name and address: N/A
b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.): _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
a) Name and address: _____
b) Telephone No.: _____ Fax No. (Opt.): _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Jessica Bicknell
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager
Jessica Bicknell
Printed Name

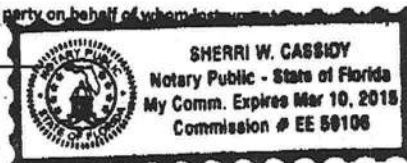
The foregoing instrument was acknowledged before me, a Florida Notary, this 4th day of May, 2012, by:
Jessica Bicknell as OWNER (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument is acknowledged)

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature

Sherrri W. Cassidy

Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Jessica Bicknell
Signature of Natural Person Signing (in line #10 above.)

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525
(exp. 02/29/2012)

This form is completed by the licensed Pest Control Company.

30184

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise.

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.
Company Address P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB182948 Company Phone No. 386-755-3611
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Premier Building Phone No. 965-0985

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Richard Ricknell
234 SW Windsor Dr. Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 5-24-2012
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

- ☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Bifen XTS EPA Registration No. 189
Approx. Dilution (%): 06 Approx. Total Gallons Mix Applied: 185 Treatment completed on exterior: ☐ Yes ☒ No
- ☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____
Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____
- ☐ C. Bait System Installed
Name of System: _____ EPA Registration No. _____ Number of Stations Installed: _____
- ☐ D. Physical Barrier System Installed
Name of System: _____ Attach installation information (required)

Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) C. Lacey Certification No. (if required by State law) _____

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 5-24-2012

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729, 3802)

Form NPCA-99-B may still be used

form HUD-NPMA-99-B

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:1ULR9114Z0203090630

Truss Fabricator: Anderson Truss Company
Job Identification: 12-086--Premier Building Bicknell Garage/ Premier -- 234 SW Windsor Dr. Lake Ci (234 SW Win
Truss Count: 4
Model Code: Florida Building Code
Truss Criteria: FBC2010Res/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 - 40.0 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: HCUSR9114

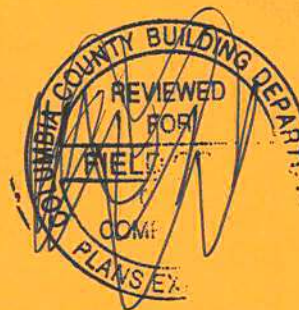
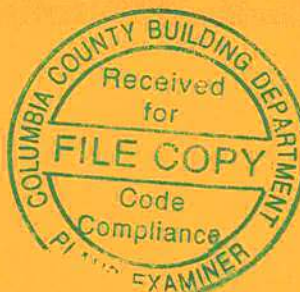
Details: 12030EC1-GBLLETIN-GABRST10-BRCLBSUB-PB16010-

#	Ref	Description	Drawing#	Date
1	13715--A1	40' Gable	12123033	05/02/12
2	13716--A2	40' Special	12123034	05/02/12
3	13717-PBA1	18'8"6 Gabl	12123035	05/02/12
4	13718-PBA2	18'8"6 Comm	12123036	05/02/12

05/03/2012

-Truss Design Engineer-
William H. Krick
Florida License Number: 70861
1950 Marley Drive
Haines City, FL 33844

All
under
300



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

120 mph wind, 20.27 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi (+/-) = 0.18

Roof overhang supports 2.00 psf soffit load.

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

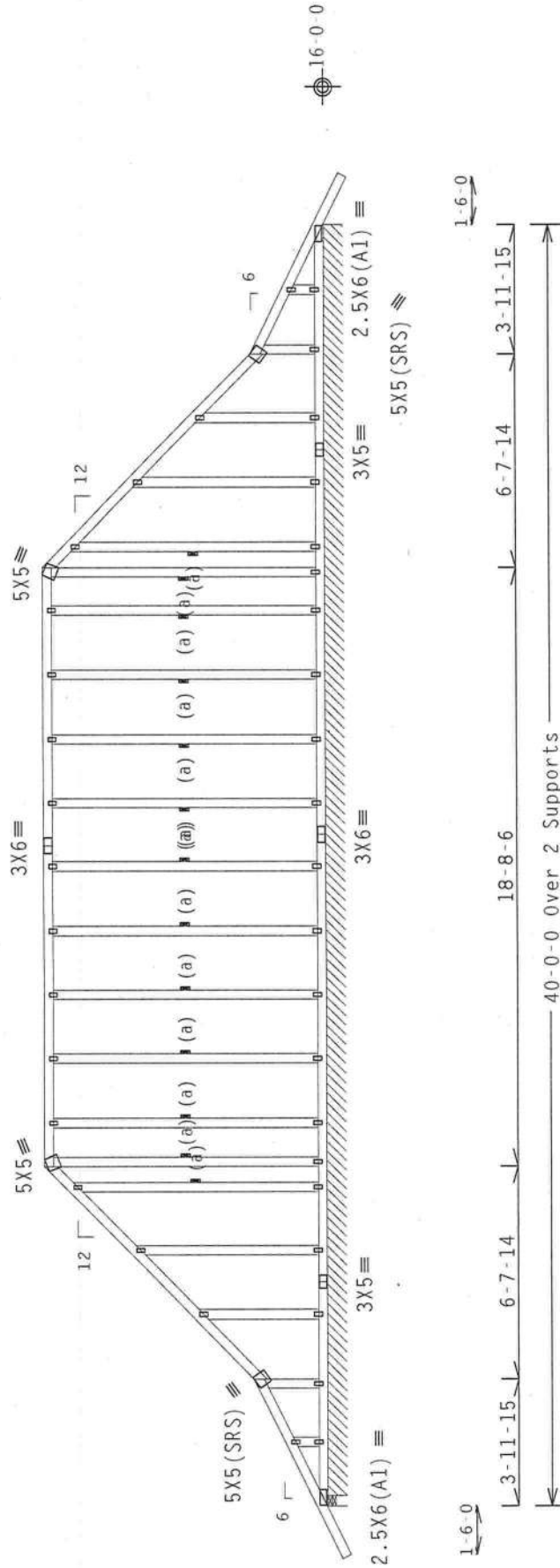
Gable end supports 8" max rake overhang.

See DWGS A12030ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

(a) Continuous lateral bracing 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. Creep increase factor for dead load is 1.50.



R-239 U-75 W-4"
RL-272/-272

R-84 PLF U=12 PLF W-39-8-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

10.03.11.0209.20

QTY: 2

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

Scale = .1875"/Ft.

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any 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 1000.2 for standard plate positioning. Do not alter the design or bracing of the truss without the approval of the designer. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes pages: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.shcindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 13715
TC DL	10.0 PSF	DATE	05/02/12
BC DL	10.0 PSF	DRW	HCUSR9114 12123033
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN	2534
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1ULR9114Z02



Top chord 2x4 SP #1 :T2, T6 2x4 SP M-30:

:T4 2x6 SP SS:

Bot chord 2x6 SP #2 :B2 2x6 SP SS:

Webs 2x4 SP #3

120 mph wind, 20.27 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL-5.0 psf, wind BC DL-5.0 psf. GCpi (+/-)-0.18

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

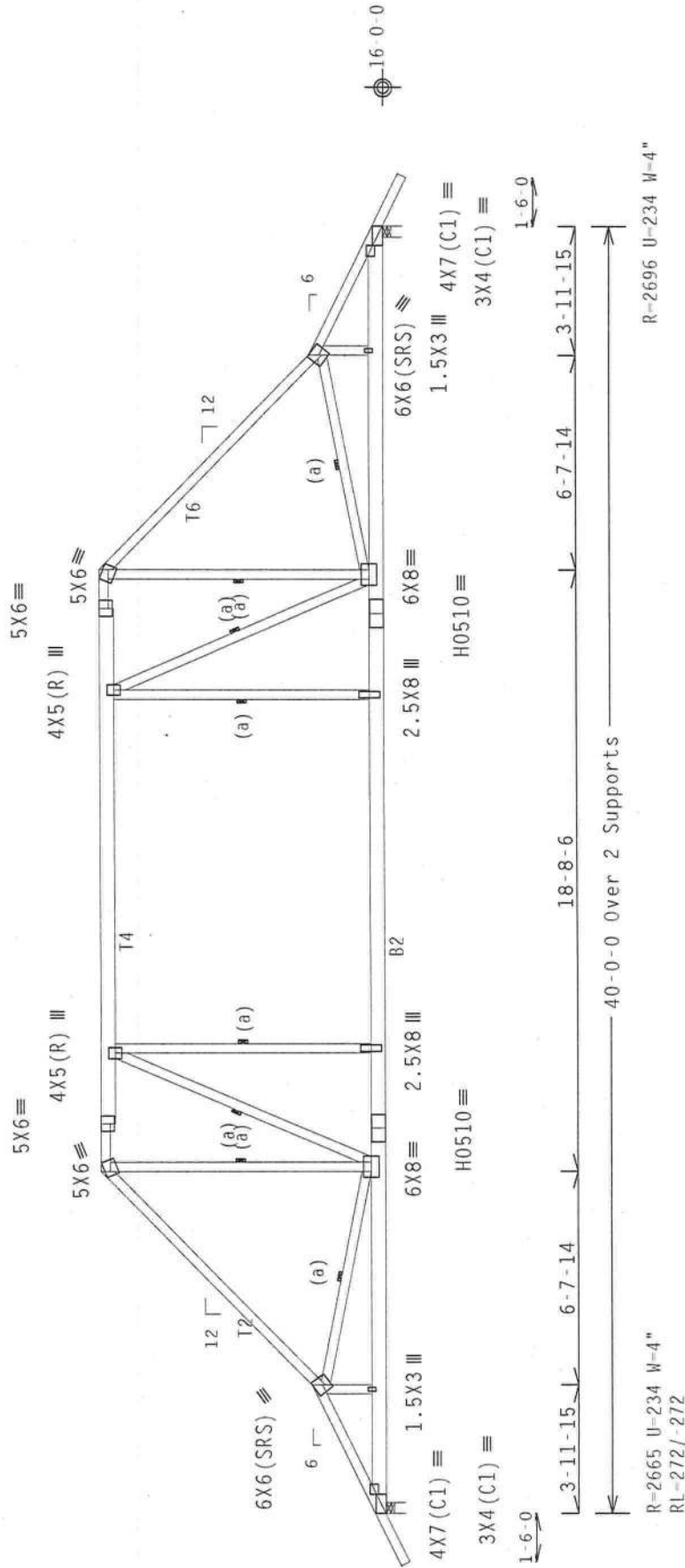
Roof overhang supports 2.00 psf soffit load.

Bottom chord checked for 10.00 psf non-concurrent live load.

(a) Continuous lateral bracing equally spaced on member.
Collar-tie braced with continuous lateral bracing at 24" OC, or rigid ceiling.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 14-4-12 to 25-7-4.

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS, Wave		10.03.11.0209.20	QTY:22	FL/-/5/-/-/R/-	Scale = .1875"/Ft.	
ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278		**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET				REF R9114- 13716
		FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.				DATE 05/02/12
		Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and UTCA) 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 rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				DRW HCUSR9114 12123034
		ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ABSI/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 structure is the responsibility of the Building Designer per ABSI/TPI 1 Sec.2. For more information see: This Job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; UTCA: www.utcaindustry.com; ICC: www.iccsafe.org				HC-ENG JB/AP
						SEQN- 2761
						JREF- 1ULR9114Z02

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

120 mph wind, 29.68 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=2.0 psf, GCpi(+/-)=0.18

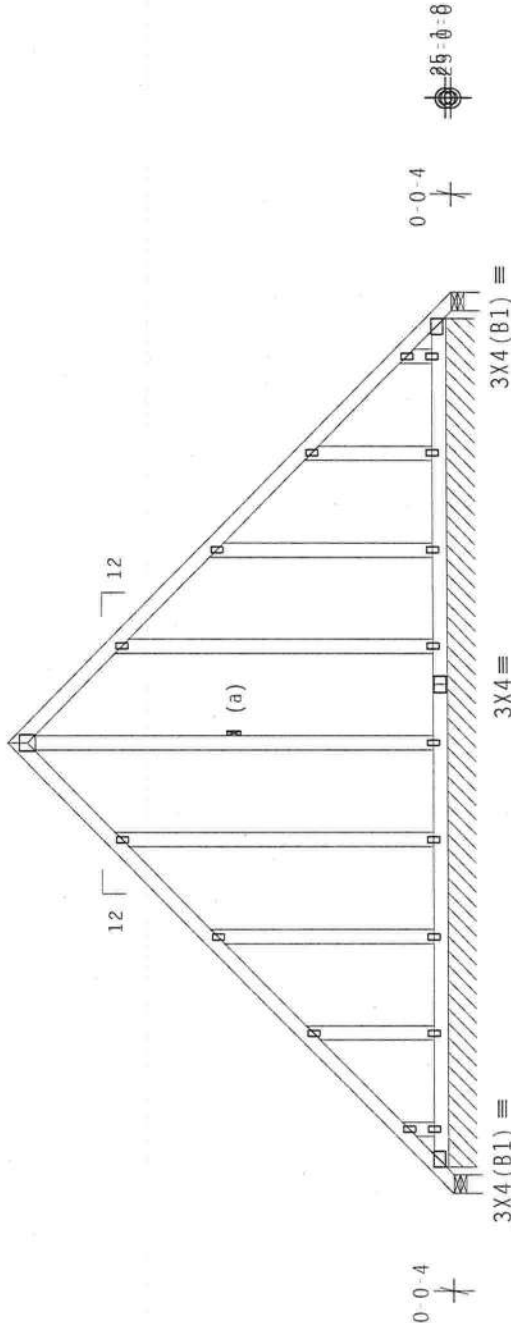
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.

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

Refer to DWG PB160100212 for piggyback details.

4X4=



17-7-0 8-9-8 8-9-8 0-6-7
18-7-14 Over 3 Supports
R-19 RW=218 U-203 W=4.7" R-73 PLF U=33 PLF W=17-7-0 R-19 RW=23 U=8 W=4.7"
RL-258/-258

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

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

10.03.11.0209.20

QTY:2 FL/-/5/-/-/R/-

Scale = .25"/Ft.

PLT TYP. Wave

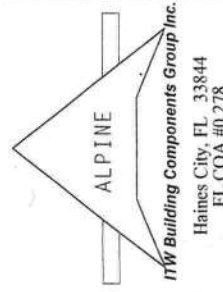
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TC LL	20.0 PSF	REF	R9114- 13717
TC DL	10.0 PSF	DATE	05/02/12
BC DL	10.0 PSF	DRW	HCUSR9114 12123035
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	2538
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1ULR9114Z02



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

120 mph wind, 29.68 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=2.0 psf. GCpi(+/-)=0.18

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

Refer to DWG PB160100212 for piggyback details.

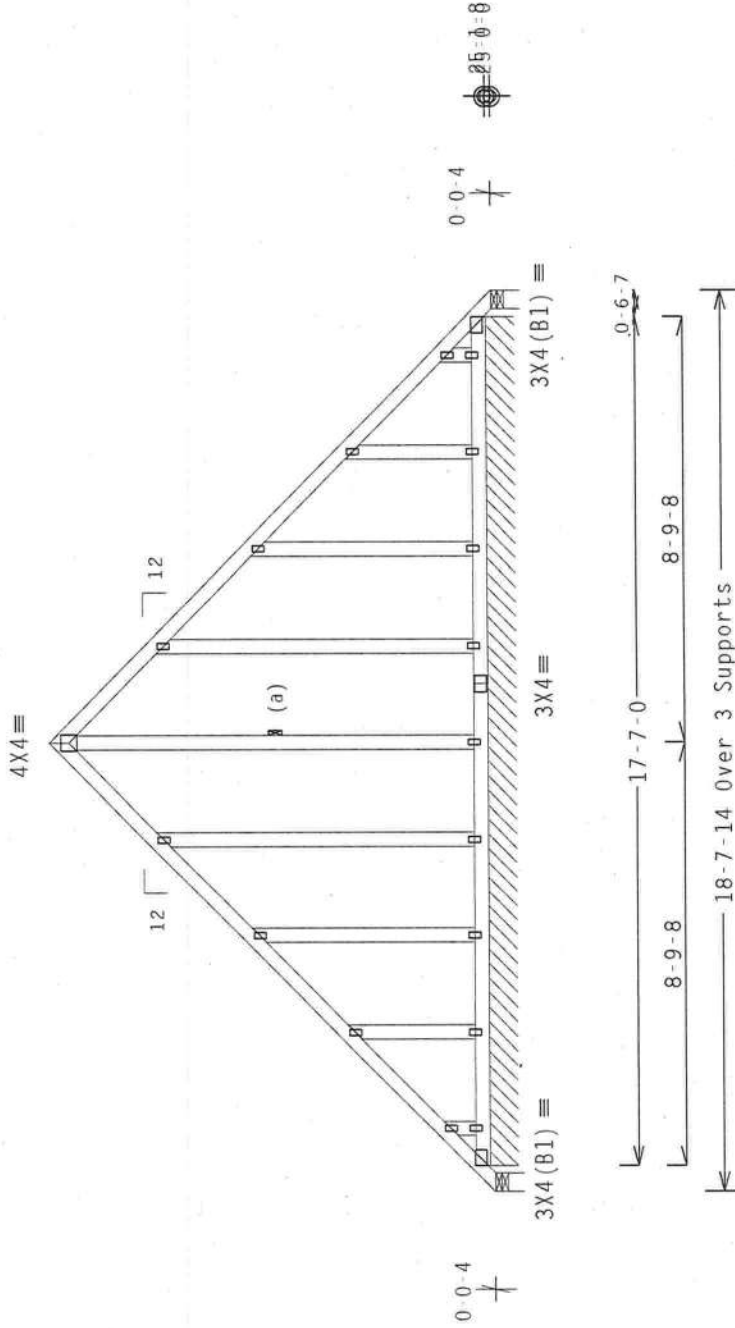
Special loads

----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 68 plf at -0.54 to 68 plf at 8.79
TC- From 68 plf at 8.79 to 68 plf at 18.12
BC- From 4 plf at -0.54 to 4 plf at 18.12

(a) Continuous lateral bracing equally spaced on member.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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



R-20 RW-218 U-203 W-4.7"
RL-258/-258

R-73 PLF U=33 PLF W=17-7-0

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

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

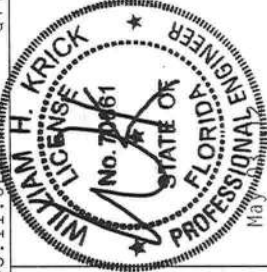
QTY:22 FL/-5/-/R/- Scale =.25"/Ft.

PLT TYP. Wave

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TC LL	20.0 PSF	REF	R9114- 13718
TC DL	10.0 PSF	DATE	05/02/12
BC DL	10.0 PSF	DRW	HCUSR9114 12123036
BC LL	0.0 PSF	HC-ENG	JB/AP
TOT.LD.	40.0 PSF	SEQN-	2536
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1ULR9114702



Gable Stud Reinforcement Detail

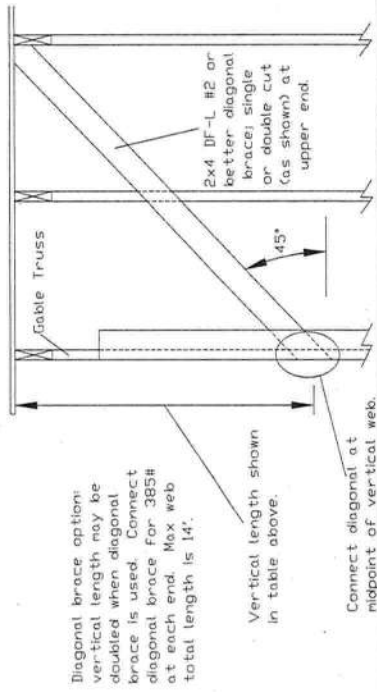
ASCE 7-10: 120 mph

Wind Speed, 30' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Dr1 100 mph Wind Speed, 30' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Dr1 100 mph Wind Speed, 30' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Gable Vertical Species		2x4		1x4 'L' Brace		(1) 2x4 'L' Brace		(2) 2x4 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace		(1) 2x6 'L' Brace		(2) 2x6 'L' Brace	
		Grade	No Braces	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
Max Gable Vertical Length	SPF	#1 / #2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	4' 4"	7' 2"	7' 8"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	Stud	4' 4"	7' 8"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	Standard	4' 4"	7' 6"	8' 0"	9' 1"	9' 5"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
24" O.C.	SP	#1	4' 8"	7' 10"	8' 2"	9' 3"	9' 8"	11' 0"	11' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#2	4' 7"	7' 10"	8' 1"	9' 3"	9' 7"	11' 0"	11' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	#3	4' 4"	6' 5"	6' 10"	8' 7"	9' 2"	10' 10"	11' 4"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	Standard	4' 4"	6' 5"	6' 10"	8' 7"	9' 2"	10' 10"	11' 4"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	5' 3"	8' 11"	9' 3"	10' 7"	11' 0"	12' 7"	13' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	5' 0"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	Stud	5' 0"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	Standard	5' 0"	8' 10"	9' 2"	10' 5"	10' 10"	12' 5"	12' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
12" O.C.	SPF	#1 / #2	5' 9"	9' 10"	10' 2"	11' 7"	12' 1"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	HF	#3	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP	Stud	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	DFL	Standard	5' 6"	9' 8"	10' 1"	11' 6"	11' 11"	13' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

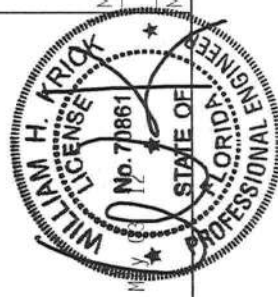


Refer to chart above for max gable vertical length.

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Earth City, MO 63045



MAX. TOT. LD. 60 PSF
MAX. SPACING 24.0"

Bracing Group Species and Grades:			
Group A:		Group B:	
Spruce-Pine-Fir #1 / #2 #3	Standard	Douglas Fir-Larch #3 Standard	Standard
	Stud		Stud
	Standard		Standard
Southern Pine*** #3 Standard		Southern Pine*** #1 Standard	
Group A:		Group B:	
Hen-Fir #2 #3		Hen-Fir #1 & Btr #1	
Douglas Fir-Larch #1 #2		Douglas Fir-Larch #1 #2	

1x4 Braces shall be S8B (Stress-Rated Board).
***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:
Wind Load deflection criterion is L/240.
Provide uplift connections for 70 plf over continuous bearing (5 psf IC dead load).

Gable end supports load from 4' o'c outlofters with 2' o' overhang, or 12' plywood overhang.

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

Attach 'L' braces with 10d (0.128"x3.0" min) nails.
* For (1) 'L' 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.

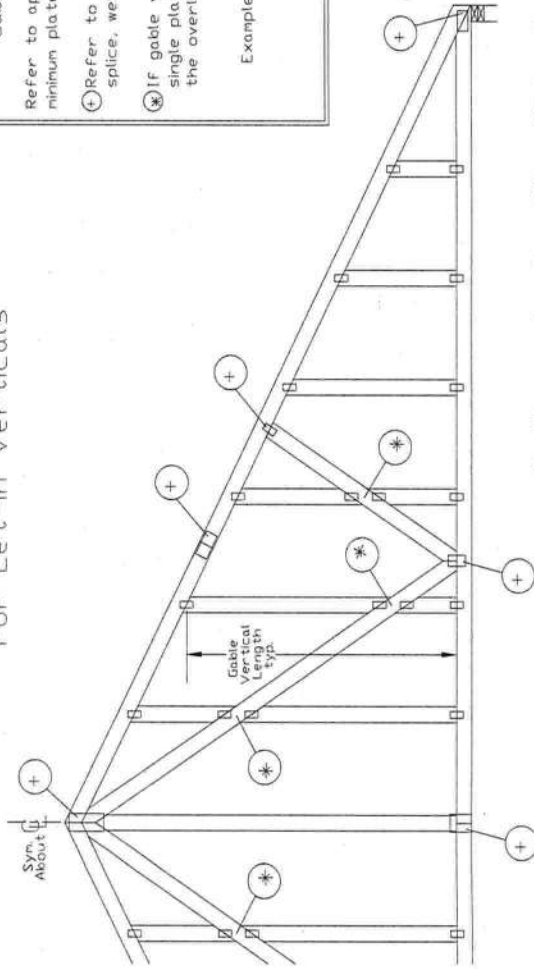
Gable Vertical Plate Sizes		
Vertical Length	No Splice	
Less than 4' 0"	1X4 or 2X3	
Greater than 4' 0", but less than 11' 6"	2X4	
Greater than 11' 6"	2X4	

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

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

REF ASCE 7-10-CAB12030
DATE 2/14/12
DRWG A12030ENC100212

Gable Detail For Let-in Verticals



Gable Truss Plate Sizes

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.



Example:

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

End Driven Nails:

- 10d Common (0.148"x 3", min) Nails at 4' o.c. plus
- (4) nails in the top and bottom chords.

Toenailed Nails:

- 10d Common (0.148"x 3", min) Toenails at 4' o.c. plus
- (4) toenails in the top and bottom chords.

This detail to be used with the appropriate ITW gable detail for ASCE wind load.

ASCE 7-98 Gable Detail Drawings

AI3015980109, AI2015980109, AI1015980109, AI0015980109, AI3030980109, AI2030980109, AI1030980109, AI0030980109

ASCE 7-02 Gable Detail Drawings

AI3015020109, AI2015020109, AI1015020109, AI0015020109, AI3030020109, AI2030020109, AI1030020109, AI0030020109

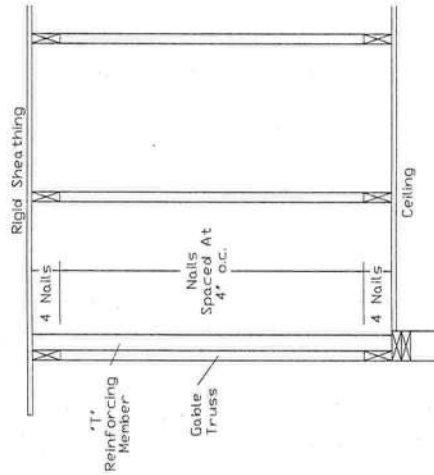
ASCE 7-05 Gable Detail Drawings

AI3015050109, AI2015050109, AI1015050109, AI0015050109, AI3030050109, AI2030050109, AI1030050109, AI0030050109

ASCE 7-10 Gable Detail Drawings

AI1515ENC100212, AI2015ENC100212, AI1015ENC100212, AI0015ENC100212, AI1530ENC100212, AI2030ENC100212, AI1030ENC100212, AI0030ENC100212, AI18030ENC100212, A20030ENC100212, A20030PEDI000212

See appropriate ITW gable detail for maximum unreinforced gable vertical length.



WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING
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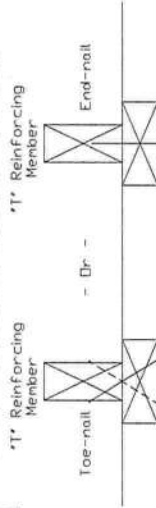
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ITVBCG: www.itvbcg.com, TPI: www.tpinst.org, VITA: www.vitaindustry.org, ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

'T' Reinforcement Attachment Detail



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

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

Web Length Increase w/ 'T' Brace

'T' Reinf. Mbr. Size	'T' Increase
2x4	30 %
2x6	20 %

Example:

ASCE 7-10 Wind Speed = 120 mph

Mean Roof Height = 30 ft, Kzt = 1.00

Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

(1) 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length

1.30 x 8' 7" = 11' 2"

REF LET-IN VERT

DATE 2/16/12

DRWG GBLLETIN0212

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"



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=5.0 psf, Wind BC DL=5.0 psf.

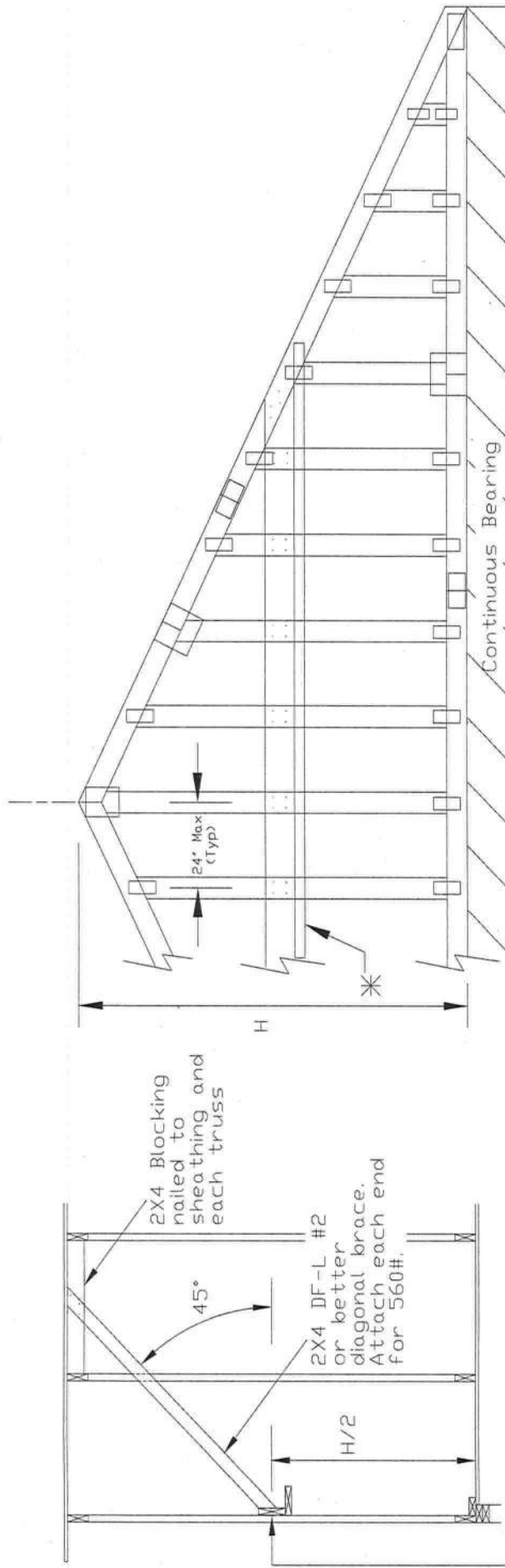
Lateral chord bracing requirements
Top: Continuous roof sheathing
Bot: Continuous ceiling diaphragm

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

Nails: 10d box or gun (0.128"x3",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 A12030ENC10).
- 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 A12030ENC10).

* Optional 2x L-reinforcement attached
to stiffback with 10d box or gun
(0.128" x 3", min.) nails @ 6" o.c.

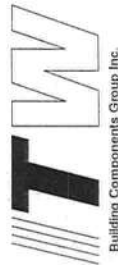


L-2x6 #2 Stiffback
attached to each
Stud w/ (4) 10d box or gun (0.128" x 3", min.) nails.

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 and follow the instructions of the manufacturer. Trusses shall be installed in accordance with the manufacturer's 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 rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to the ends of trusses and install blocking and on the joint details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. A seal on this drawing or cover page listing this drawing, indicating acceptance of this drawing by the manufacturer, shall not be a representation of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites:
ITWBCG: www.itwbcg.com, TPI: www.tpinet.org, VTCA: www.secdindustry.org, ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045



MAX. TOT. LD. 60 PSF

MAX. SPACING

REF GE WHALER

DATE 2/14/12

DRWG GABRST100212

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

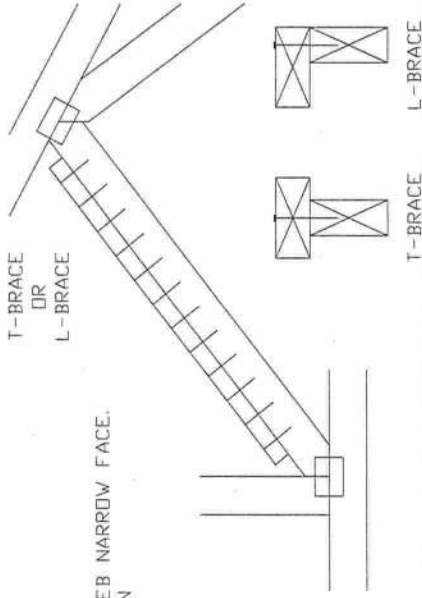
(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

T-BRACING

OR

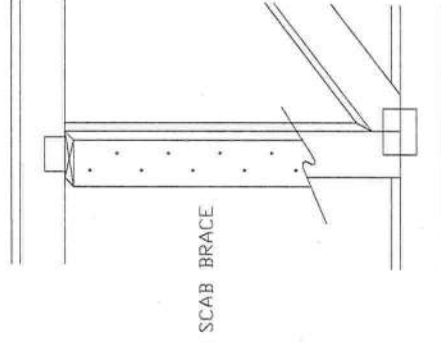
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3", MIN) NAILS.
AT 6" O.C.
BRACE IS A
MINIMUM 80% OF WEB
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN
(0.128"x 3", MIN) NAILS.
AT 6" O.C.
BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI Building Component Safety Information, by TPI and VITCA, for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless indicated otherwise, all bracing shall be installed in accordance with the BCSI. Locations shown for permanent lateral restraint of webs shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this Job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
Building Component Safety Information (BCSI) is a critical document for the design, fabrication, handling, shipping, installing & bracing of trusses. ITW-BEG connector plates are made of 2018/16GA (W/H/S/K) ASTM A653 grade 37/40/60 (K/V/H/S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility. Building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. The responsibility for any ITW-BEG: www.itwbeg.com; TPI: www.tpinet.com; VITCA: www.vitcaindustry.com; ICC: www.iccsafe.org



Building Components Group Inc.

Earth City, MO 63045

REF CLB SUBST.

DATE 1/1/09

DRWG BRCLBSUB0109

PSF

PSF

PSF

PSF

TC LL

TC DL

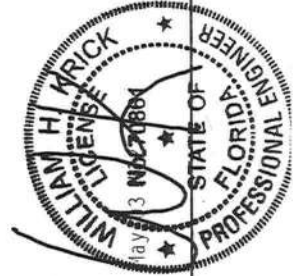
BC DL

BC LL

TOT. L.D.

DUR. FAC.

SPACING



Piggyback Detail - ASCE 7-10: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

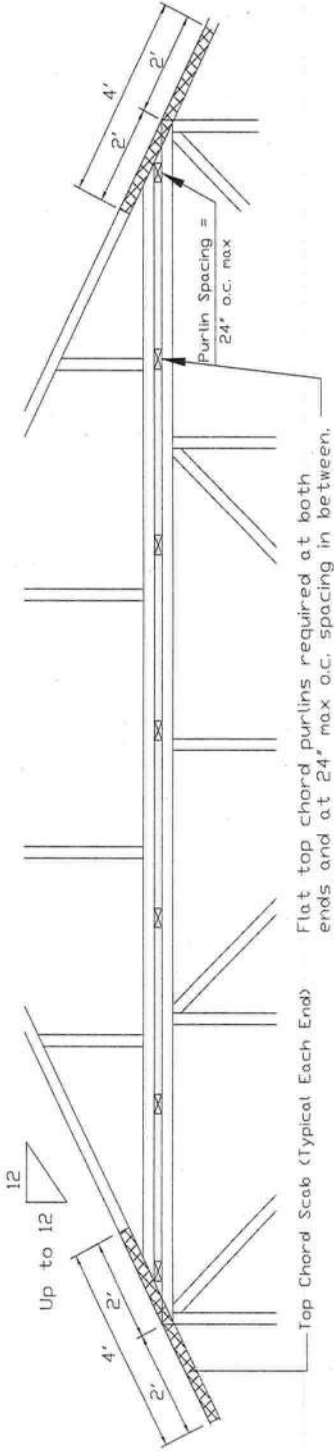
160 mph Wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 50 psf (min), Kzt=1.0.
Or 140 mph wind, 30.00 Ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp D, wind DL= 50 psf (min), Kzt=1.0.

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

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

Detail A : Purlin Spacing = 24" o.c. or less



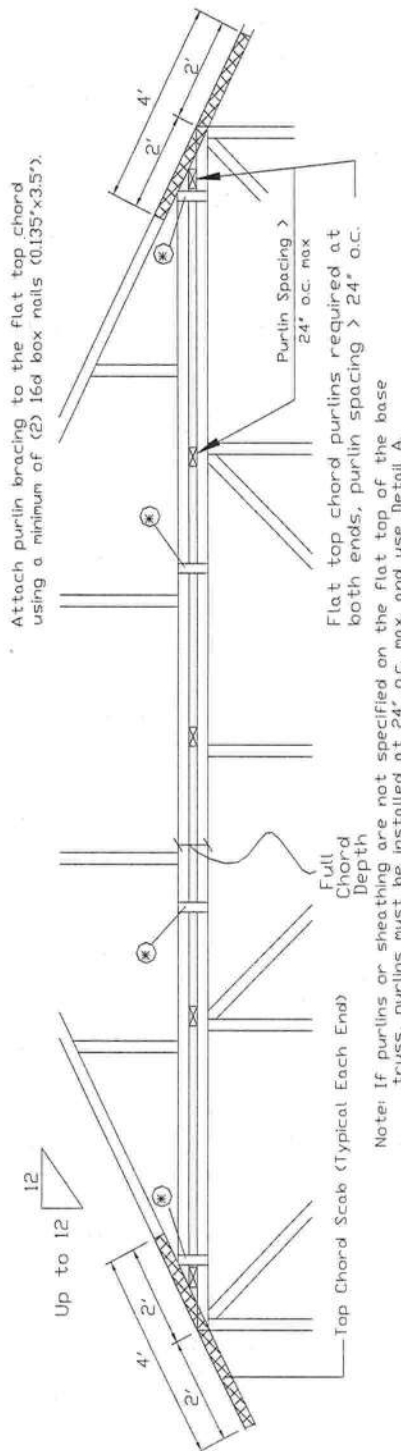
Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3x8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 2x8P wave piggyback plate attached to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

Detail B : Purlin Spacing > 24" o.c.

Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.



Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

WARNING READ AND FOLLOW ALL NOTES ON THIS DRAWING

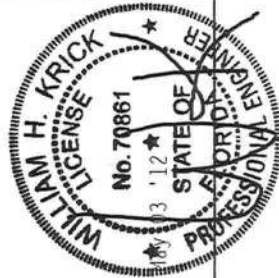
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and VITCA for safety practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of trusses shall have bracing installed per BCSI sections B187 or B10, as applicable. Apply plates to trusses as shown and indicated on the Joint Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions.

ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or any deviation from the design shown. The suitability and use of this drawing for any professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any professional engineering responsibility is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see this job's general notes page and these web sites: ITVBCCI www.itvbcci.com, TPI www.tpinet.org, VITCA www.secdnastry.org, ICC www.iccsafe.org



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* In addition, provide connection with one of the following methods:
Trulox
Use 3x8 Trulox plates for 2x4 chord member, and 3x10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.
APA Rated Gusset
8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 0.135"x2" nails per gusset. (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.
2x4 Vertical Scabs
2x4 SPF #2, Full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab. (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.
28PB Wave Piggyback Plate
One 28PB wave piggyback plate to each face @ 8' o.c. Attach to piggyback at time of fabrication. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

REF PIGGYBACK

DATE 2/14/12

DRWG PB160100212

SPACING 24.0"