DATE 01/09/2013

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030705

APPLICANT GERALD E. HARVEY PHONE 352.258.9051

ADDRESS POB 526 NEWBERRY FL 32669

OWNER LAURA STEWART PHONE

ADDRESS 429 SW RANDOLPH COURT FT. WHITE FL 32038

CONTRACTOR GERALD E. HARVEY PHONE 352.258.9051

LOCATION OF PROPERTY 47-S TO US 27,TL TO SHILOH,TR TO RANDOLPH,TR AND IT'S THE 7TH LOT ON R BEFOE CUL-DE-SAC.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 112900.00

HEATED FLOOR AREA 2082.00 TOTAL AREA 2258.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 14-7S-16-04211-007 SUBDIVISION SANDY PINES

LOT 7 BLOCK PHASE UNIT TOTAL ACRES 4.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
		CRC058134	Gerald E. Harvey	
EXISTING	12-558-E	BLK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. REPLACING EXISTING MH. 30 DAYS TO REMOVE M/H AFTER CO ISSUANCE. 1 FOOT ABOVE ROAD.

Check # or Cash 5354

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Insulation _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Pool _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by

RV _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 565.00 CERTIFICATION FEE $ 11.29 SURCHARGE FEE $ 11.29

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 662.58

INSPECTORS OFFICE CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

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 THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

(4)

Prepared by:
Elaine R. Davis
American Title Services of Lake City, Inc.
321 SW Main Boulevard, Suite 105
Lake City, Florida 32025

File Number: 10-098

Inst 201012005780 Date 4/13/2010 Time 12:00 PM
Doc Stamp-Deed 126.00
DC P DeWitt Cason Columbia County, Page 1 of 1 B 1192 P 1460

Warranty Deed

Made this April 12th, 2010 A.D.

By **DANA WADE SANDLIN and KATHERINE RUTH SANDLIN, husband and wife,** whose address is: 429 SW Randolph Court, Fort White, Florida 32038, hereinafter called the grantor,

To **REX ALLAN STEWART and LAURA KRISTINE STEWART, husband and wife**, whose post office address is: 12505 NW 202nd Street, Alachua, Florida 32615, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, ($10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

LOT 7, SANDY PINES SUBDIVISION, a subdivision according to the Plat thereof as recorded in Plat Book 5 Pages 32 - 32A of the Public Records of **COLUMBIA COUNTY, FLORIDA.**

TOGETHER WITH: 1982 CONCORD Single Wide Mobile Home, ID#3328213071 Title No. 21955709, Length 52 X 14

Parcel ID Number: **04211-007**

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2009.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Elaine R. Davis
Witness Printed Name Elaine R. Davis

Johnny M. Hamm
Witness Printed Name Johnny M. Hamm

Dana Wade Sandlin (Seal)
DANA WADE SANDLIN
Address: 429 SW Randolph Court, Fort White, Florida 32038

Katherine Ruth Sandlin (Seal)
KATHERINE RUTH SANDLIN

State of FLORIDA
County of COLUMBIA

The foregoing instrument was acknowledged before me this 12th day of April, 2010, by DANA WADE SANDLIN and KATHERINE RUTH SANDLIN, husband and wife, who is/are personally known to me or who has produced Drivers Licenses as identification.

Elaine R. Davis
Notary Public
Print Name:

ELAINE R. DAVIS
MY COMMISSION # DD 709568
EXPIRES: October 14, 2011
Bonded Thru Notary Public Underwriters

BOUNDARY SURVEY

LYING IN SECTION 14, TOWNSHIP 7 SOUTH,
RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA

LEGAL DESCRIPTION:

LOT 7, SANDY PINES SUBDIVISION, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 5, PAGES 32–32A OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR NOTES:

1. THE BEARINGS SHOWN HEREON ARE BASED ON FIELD MEASUREMENTS PROJECTED FROM A PLAT BEARING OF S 89°09'17"W, ALONG THE SOUTH LINE OF THE SUBJECT PARCEL.

2. NO UNDERGROUND INSTALLATION OF UTILITIES OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.

3. THE SURVEYOR HAS NO KNOWLEDGE OF UNDERGROUND FOUNDATIONS WHICH MAY ENCROACH.

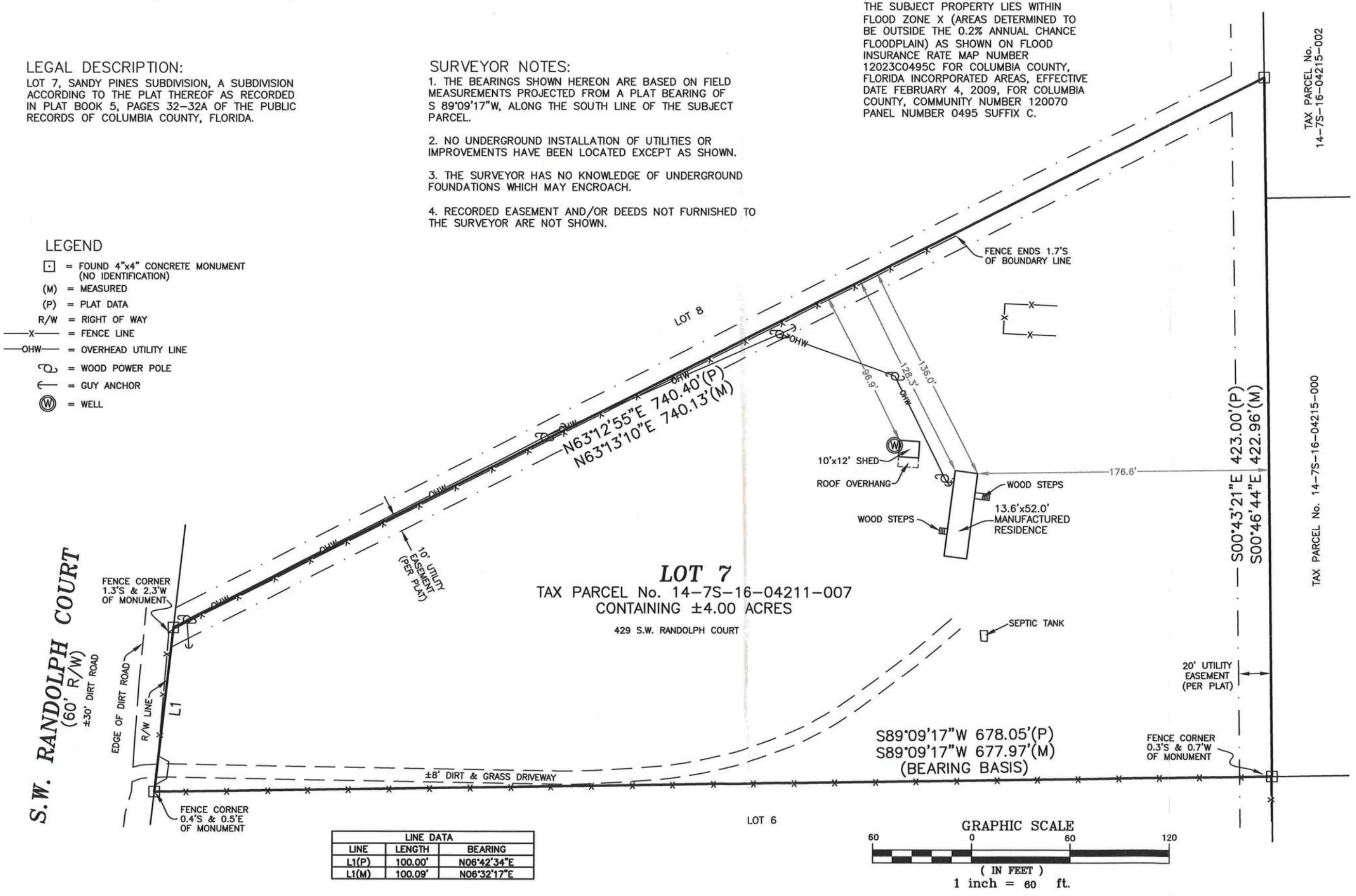
4. RECORDED EASEMENT AND/OR DEEDS NOT FURNISHED TO THE SURVEYOR ARE NOT SHOWN.

FLOOD NOTE:

THE SUBJECT PROPERTY LIES WITHIN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 12023C0495C FOR COLUMBIA COUNTY, FLORIDA INCORPORATED AREAS, EFFECTIVE DATE FEBRUARY 4, 2009, FOR COLUMBIA COUNTY, COMMUNITY NUMBER 120070 PANEL NUMBER 0495 SUFFIX C.

LEGEND

- ⊡ = FOUND 4"x4" CONCRETE MONUMENT (NO IDENTIFICATION)
- (M) = MEASURED
- (P) = PLAT DATA
- R/W = RIGHT OF WAY
- —X— = FENCE LINE
- —OHW— = OVERHEAD UTILITY LINE
- = WOOD POWER POLE
- = GUY ANCHOR
- Ⓦ = WELL



LINE DATA		
LINE	LENGTH	BEARING
L1(P)	100.00'	N06°42'34"E
L1(M)	100.09'	N06°32'17"E

GRAPHIC SCALE

60 0 60 120

(IN FEET)

1 inch = 60 ft.

JOB NUMBER: 12-102 | SHEET 1 OF 1

FIELD BOOK: SEE FOLDER | DRAFTED: LAF | CHECKED: LAF | SURVEY DATE: 11/14/12

CERTIFIED TO:
LAURA C. STEWART
FIRST AMERICAN TITLE INSURANCE COMPANY
FIRST FEDERAL BANK OF FLORIDA
AMERICAN FIRST MORTGAGE

FLOWERS SURVEYING AND MAPPING INC
207 SE CONDOR GLEN
HIGH SPRINGS, FLORIDA 32643
(386) 454-8147

LEIGH ANN FLOWERS 11/17/12
PROFESSIONAL SURVEYOR & MAPPER
FLA. LICENSE NO. 6602

I HEREBY CERTIFY THAT THE SURVEY DATA SHOWN HEREON, IS A TRUE AND CORRECT REPRESENTATION OF A SURVEY PERFORMED UNDER MY SUPERVISION OF THE HEREON DESCRIBED PROPERTY, AND IT MEETS THE MINIMUM TECHNICAL STANDARDS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027, FLORIDA STATUTES, AND CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.

Notice of Treatment 42983

Applicator: Florida Pest Control · (www.flapest .com)
Address:
City GW 110 Phone 376 260

Site Location: Subdivision
Lot # Block# Permit # 30705
Address 429 SW Randolph CT FT White

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐		

Type treatment: ☑ Soil

Area Treated	Square feet	Linear feet	Gallons Applied
Mb & pond	2258	218	170

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line ____

1-14-13 (Date) 1245 (Time) Tony Ostrom (Print Technician's Name)

Remarks: DR4

For Office Use Only Application # 1212-45 Date Received 12-27-12 By CH Permit # 30705

Zoning Official BLK Date 04 Jan. 2012 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above Rd River N/A Plans Examiner T.C. Date 1-3-13

Comments Replacing existing MH 30 days to Remove MH after issuance of CO

☑ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☑ State Road Info ☑ Well letter Existing ☐ 911 Sheet ☑ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☑ Letter of Auth. from Contractor Email from Approved per Ron by phone ☑ F W Comp. letter

IMPACT FEES: EMS Fire Corr L. Hodson ☐ Sub VF Form ☑ A/C Contractor

Road/Code School = TOTAL (Suspended) ☑ Ellisville Water ☑ App Fee Paid

Septic Permit No. 12-558-E Fax 386-462-0148

Name Authorized Person Signing Permit GERALD E. HARVEY Phone 352-258-9051

Address PO Box 526 NEWBERRY FLA. 32669

Owners Name LAURA STEWART Phone

911 Address 429 SW RANDOLPH COURT FORT WHITE 32038

Contractors Name HARVEY Bldg & CONST. INC. Phone 352-258-9051

Address PO Box 526 NEWBERRY FLA. 32669

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address DON YANSKY 352 378-7872 GAINESVILLE

Mortgage Lenders Name & Address

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

Property ID Number 14-75-16-04211-0007 Estimated Cost of Construction 107,500

Subdivision Name Sandy Pines Subdivision Lot 7 Block Unit Phase

Driving Directions 47S, (L) 27, (R) Shiloh St, (R) Randolph Ct, then 7th Coton (R) just before cul-de-sac - See address & MH on property

Number of Existing Dwellings on Property 1

Construction of NEW Home Total Acreage 4 AC. Lot Size

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height

Actual Distance of Structure from Property Lines - Front 500 Side 234 Side 94 Rear 100

Number of Stories 1 Heated Floor Area 2082 Total Floor Area 2258 Roof Pitch 8/12 & 5/12

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.

CK# 5354

Left message 1-7-13 / Spoke to Gerald 1-8-13

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 othe 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 COMMENCMENT 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 Must Sign All Applications Before Permit Issuance.)

Laura Stewart
Owners Signature ****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.

Gerald E Kramer
Contractor's Signature (Permitee)

Contractor's License Number CRC058134
Columbia County
Competency Card Number 675

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 6th **day of** Dec. **20** 12

Personally known ____ **or Produced Identification** ____

Charlynn A Roemer
State of Florida Notary Signature (For the Contractor) **SEAL:**

CHARLYNN A. ROEMER
Notary Public - State of Florida
My Comm. Expires Jul 20, 2013
Commission # DD 891586
Bonded Through National Notary Assn.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1212-45 CONTRACTOR _____ PHONE _____

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 985	Print Name Randy Lewis Electric Signature Randy Lewis License #: EC13003235 Phone #: 352-494-7902
MECHANICAL/ A/C _____	Print Name Separate Sheet Signature _____ License #: Phone #:
PLUMBING/ GAS 578	Print Name Hodge Plumbing Systems Signature Wayne Hodge License #: CFC1421382 Phone #: 5389647
ROOFING 675	Print Name Harris Bld & Constr Inc Signature Donald Harris License #: CRC058134 Phone #: 352-258-9051
SHEET METAL	Print Name _____ Signature _____ License #: Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ Signature _____ License#: Phone #:
SOLAR	Print Name _____ Signature _____ License #: Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

Donald E Harris CRC058134 Contractor said these subs all work for him under his license. 675 cc.

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.

my fax: 386-758-2160

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1212-45 CONTRACTOR Harvey Bldg & Const PHONE 352-258-9051

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 #:	Signature Phone #:
MECHANICAL/ A/C	Print Name PEDRO RODRIGUEZ License #: CMC1249635	Signature Pedro Phone #: 352-338-9232
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
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.

Columbia County Property Appraiser

CAMA updated: 12/19/2012

2012 Tax Year

Tax Collector | Tax Estimator | Property Card | Parcel List Generator | Interactive GIS Map | Print

Parcel: 14-7S-16-04211-007

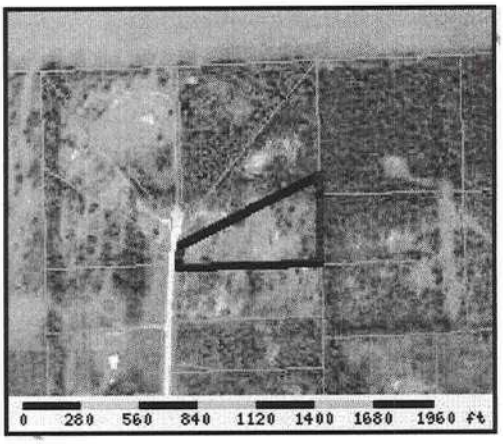
<< Next Lower Parcel | Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STEWART REX ALLAN &		
Mailing Address	LAURA KRISTINE STEWART 429 SW RANDLOPH CT FT WHITE, FL 32038		
Site Address	429 SW RANDOLPH CT		
Use Desc. (code)	MOBILE HOM (000200)		
Tax District	3 (County)	**Neighborhood**	14716
Land Area	4.000 ACRES	**Market Area**	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		

LOT 7 SANDY PINES S/D. ORB 747-2106,748-530,757-969, 767-010,797-1415,823-707,709, CORR WD 1192-1459,WD 1192-1460



Property & Assessment Values

2012 Certified Values		
Mkt Land Value	cnt: (0)	$24,982.00
Ag Land Value	cnt: (2)	$0.00
Building Value	cnt: (1)	$2,498.00
XFOB Value	cnt: (1)	$500.00
Total Appraised Value		$27,980.00
Just Value		$27,980.00
Class Value		$0.00
Assessed Value		$27,980.00
Exempt Value	(code: HX H3)	$25,000.00
Total Taxable Value		Cnty: $2,980 Other: $2,980 | Schl: $2,980

2013 Working Values

NOTE:
2013 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
4/12/2010	1192/1460	WD	I	V	38	$18,000.00
3/30/2010	1192/1459	WD	I	U	11	$0.00
6/3/1996	823/709	WD	V	U	31	$6,600.00
10/25/1994	797/1415	WD	I	U	03	$9,500.00
3/6/1992	757/969	QC	V	U	01	$0.00
7/5/1991	747/2106	WD	V	U	35	$24,000.00
5/3/1991	748/530	WD	V	U	06	$3,475.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
2	MOBILE HME (000800)	1982	BELOW AVG. (03)	728	728	$2,498.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)

Prepared by and Return to:
Jacqueline Doss, an employee of
First American Title Insurance Company
3600 Northwest 43rd Street, Suite E-1
Gainesville, Florida 32606
(877)727-5925
File No.: 1094-2835819

NOTICE OF COMMENCEMENT

Permit No. #

Tax Folio/Parcel ID: 14-7S-16-04211-007 State: Florida County: Alachua

The undersigned hereby gives notice that improvement will be made to certain real property and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

1. Description of property (legal description, lot, block, and street address if available):
   429 SW Randolph Court, Fort White, FL 32038, 7,

   Lot 7 of SANDY PINES, according to the Plat thereof as recorded in Plat Book 5, Page(s) 32-32A, of the Public Records of Columbia County, Florida.

2. General description of improvement: single family dwelling

3. Owner:
   a. Name and Address: Laura Kristine Stewart and Rex Allan Stewart, 429 SW Randolph Court, Fort White, FL 32038
   b. Interest in property: fee simple
   c. Name and address of fee simple title holder (if other than owner):

4. Contractor:
   a. Name and Address: Harvey Bulding & Constructions, Inc. P.O. Box 526, Newberry, FL 32669
   b. Contractor Phone Number: 352-258-9051

5. Surety:
   a. Name and Address:
   b. Phone Number:
   c. Amount of bond: $

6. Lender:
   a. Name and Address: First Federal Bank of Florida
   b. Lender's Phone Number:

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7, Florida Statutes:
   a. Phone numbers of designated persons:

8. In addition to him/herself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes [Provide Name/Mailing Address]:
   a. Phone Number of person or entity designated by owner:

9. NoC expiration date (one full year from the date of recording unless 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 WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Laura Kristine Stewart — 12-7-12

Signature of Owner Laura Kristine Stewart — Date

State of FLORIDA
County of Alachua

The foregoing instrument was acknowledged before me this December 07, 2012, by Laura Kristine Stewart

Jacqueline A. Doss

Notary Public

JACQUELINE A. DOSS
MY COMMISSION # EE 131565
EXPIRES: September 19, 2015
Bonded Thru Notary Public Underwriters

(SEAL)

Personally Known -OR- Produced Identification

STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. 12-0258E
DATE PAID: 12-14-12
FEE PAID: 135.00
RECEIPT #: 104165

APPLICATION FOR:
[ ] New System [√] Existing System [ ] Holding Tank [ ] Innovative
[ ] Repair [ ] Abandonment [ ] Temporary [ ] _____

APPLICANT: Laura Stewart 352-316-6054

AGENT: Gerald Harvey TELEPHONE: 352-258-4065

MAILING ADDRESS: 429 sw Randolph Ct. Ft. White, Fl 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 7 BLOCK: ____ SUBDIVISION: Sandy Pines PLATTED: 5 Page 32-32A

PROPERTY ID #: 14-7S-16-04211-007 ZONING: ____ I/M OR EQUIVALENT: [Y / N]

PROPERTY SIZE: 4 ACRES WATER SUPPLY: [√] PRIVATE PUBLIC [ ]<=2000GPD [ ]>2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [Y / (N)] DISTANCE TO SEWER: ____ FT

PROPERTY ADDRESS: 429 sw Randolph Court Fort White, Fl 32038

DIRECTIONS TO PROPERTY: Take 27 towards High Springs turn right @ Shiloh Baptist Church. Go about a mile. Turn right onto Randolph, follow around to almost cul-de-sac. Wooden fence on right.

BUILDING INFORMATION [√] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	Single family home	3	2258	
2				
3				
4	(MH will be moved when home is built)			

[ ] Floor/Equipment Drains [ ] Other (Specify) _____

SIGNATURE: Laura Stewart DATE: 12.11.12

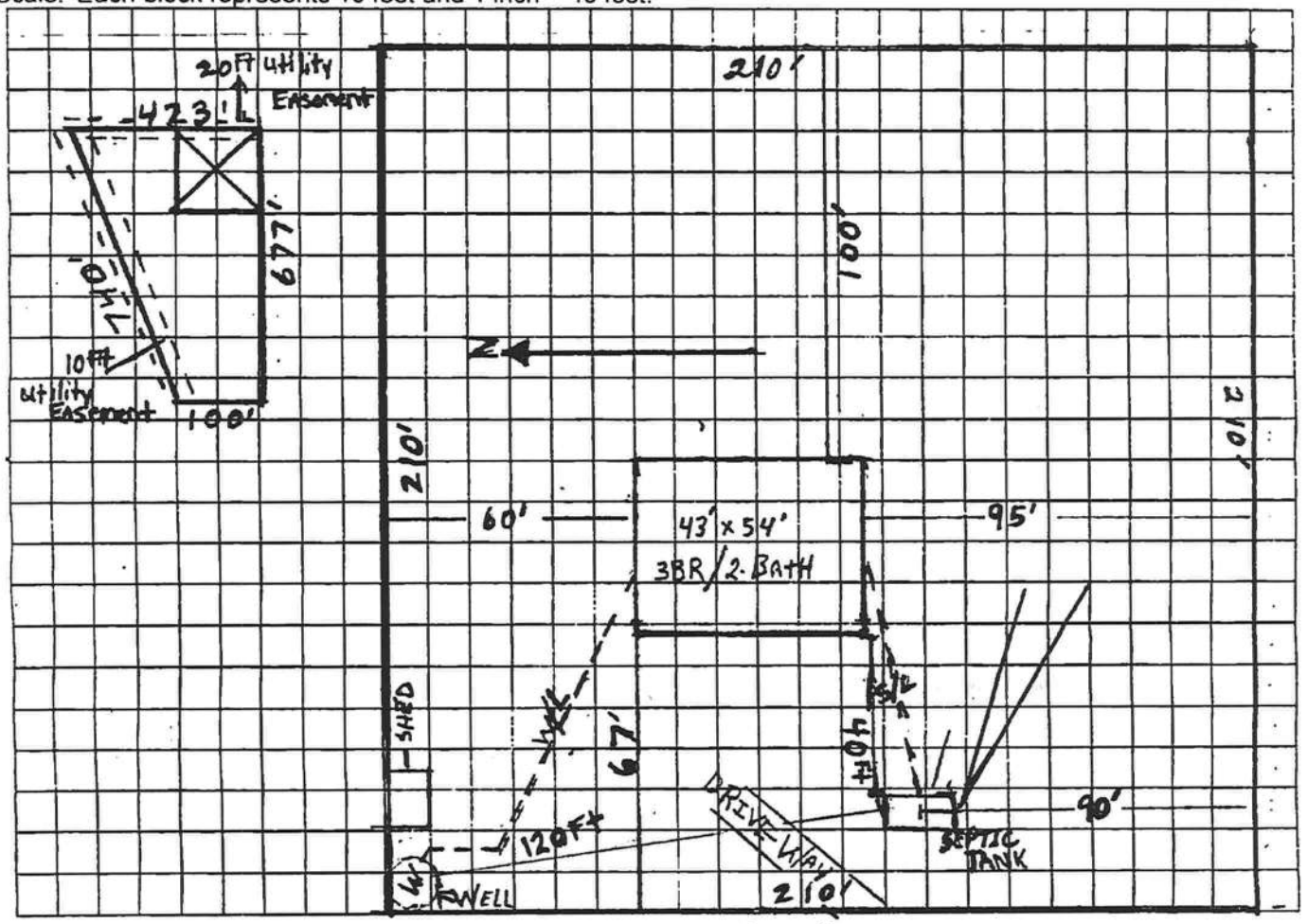
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 64E-6.001, FAC

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 12-2558

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = 40 feet.



Notes: 1 ac of 4+

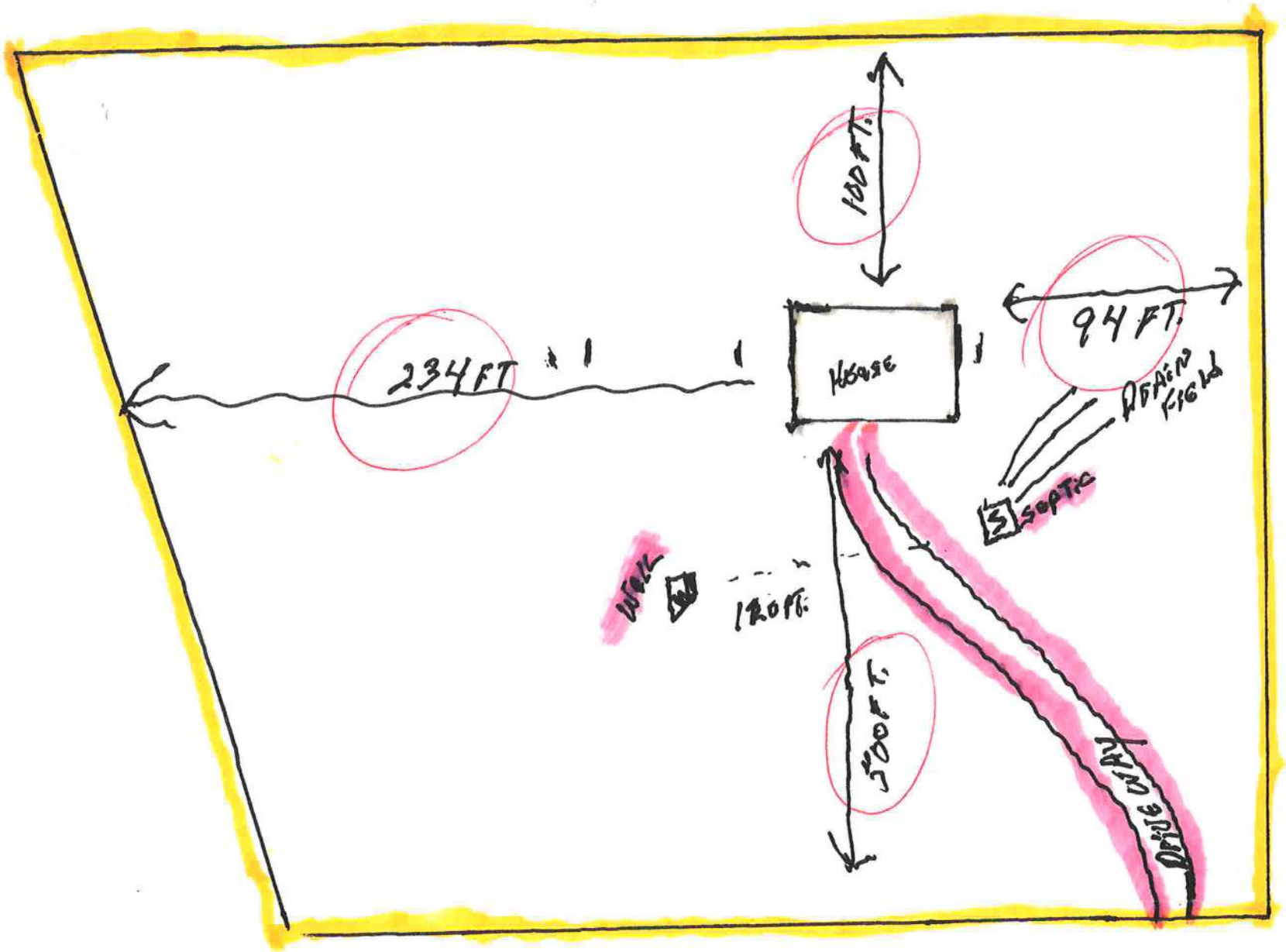
Site Plan submitted by: Laura Stewart Owner

Plan Approved ✓ Not Approved ____ Date 12/21/12

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-6)



Rex & Laura Stewart
429 SW Randolph Court
Ft. White Fla. 32038

FORM 405-10

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	New Project	Builder Name:	HARVEY BUILDERS
Street:		Permit Office:	Columbia
City, State, Zip:	, FL ,	Permit Number:	30705
Owner:	STEWART	Jurisdiction:	221000
Design Location:	FL, Gainesville		

1. New construction or existing	New (From Plans)
2. Single family or multiple family	Single-family
3. Number of units, if multiple family	1
4. Number of Bedrooms	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	2082
Conditioned floor area below grade (ft²)	0

7. Windows (199.0 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.30	199.00 ft²
SHGC:	SHGC=0.26	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		2.000 ft.
Area Weighted Average SHGC:		0.260

8. Floor Types (2082.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2082.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1776.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1776.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (2082.0 sqft.)	Insulation	Area
a. Under Attic	R=30.0	2082.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: RoomsInBlock1	6	416.4

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	42.0	SEER:16.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	44.0	HSPF:7.70

14. Hot water systems
- a. Propane — Cap: 50 gallons, EF: 0.590
- b. Conservation features: None

15. Credits: Pstat

Glass/Floor Area: 0.096

Total Proposed Modified Loads: 29.46

Total Standard Reference Loads: 43.43

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [signature]

DATE: 11-1-12

SUNCOAST INSULATORS
825 NW 253rd Terrace
Newberry, FL 32669
(352) 472-8595
Fax (352) 472-2633

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: Gerald Harvey

DATE: 11/1/12

Review of the plans and specifications covered by this *calculation indicates compliance* with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

GREAT SEAL OF THE STATE OF FLORIDA — IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

COLUMBIA COUNTY BUILDING DEPARTMENT — Received for FILE COPY — Code Compliance — PLANS EXAMINER

PROJECT

Title:	New Project	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLProp2010	Conditioned Area:	3760	Lot #	
Owner:	STEWART	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	HARVEY BUILDERS	Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	COLUMBIA
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2082	16656

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	RoomsInBlock1	2082	16656	Yes	3	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulation	RoomsInBlock1	222 ft	0	2082 ft²	----	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2255 ft²	0 ft²	Medium	0.96	No	0.9	No	0	22.6

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2082 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	RoomsInBlock1	30	2082 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
	1	N	Exterior	Frame - Wood	RoomsInBlock	13	54		8		432 ft²		0.23	0.75	0
	2	E	Exterior	Frame - Wood	RoomsInBlock	13	57		8		456 ft²		0.23	0.75	0
	3	S	Exterior	Frame - Wood	RoomsInBlock	13	54		8		432 ft²		0.23	0.75	0
	4	W	Exterior	Frame - Wood	RoomsInBlock	13	57		8		456 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
	1	N	Insulated	RoomsInBlock	None	0.460000	3		6	8	20 ft²
	2	W	Insulated	RoomsInBlock	None	0.460000	3		6	8	17.77777

WINDOWS

Orientation shown is the entered, Proposed orientation.

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
	1	N	1	Metal	Double (Clear)	Yes	0.3	0.26	N	60 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	2	N	1	Metal	Double (Clear)	Yes	0.3	0.26	N	40 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	3	N	1	Metal	Double (Clear)	Yes	0.3	0.26	N	15 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	4	E	2	Metal	Double (Clear)	Yes	0.3	0.26	N	15 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	5	S	3	Metal	Double (Clear)	Yes	0.3	0.26	N	45 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	6	S	3	Metal	Double (Clear)	Yes	0.3	0.26	N	9 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None
	7	W	4	Metal	Double (Clear)	Yes	0.3	0.26	N	15 ft²	2 ft 0 in	6 ft 0 in	HERS 2006	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	BySpaces	Proposed SLA	0.000360	1966.00	107.930	202.979	0.27719	7.08214

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
	1	Electric Heat Pump	None	HSPF: 7.7	44 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
	1	Central Unit	None	SEER: 16	42 kBtu/hr	1260 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
	1	Propane	None	RoomsInBlock	10.59	50 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	— Supply — Location	R-Value	Area	— Return — Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	416.4 ft²	Attic	104.1 ft²	DSE=0.88	RoomsInBlo	0.0 cfm	0.00 %	0.00	0.60	1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

FORM 405-10

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS: , FL,	PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2 403.3.3	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code. Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 68

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		3
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		3760
7. Windows**	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.30 SHGC=0.26	199.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
Area Weighted Average Overhang Depth:		2.000 ft.
Area Weighted Average SHGC:		0.260

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2082.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1776.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic	R=30.0	2082.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: RoomsInBlock1	6	416.4

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	42.0	SEER:16.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	44.0	HSPF:7.70

14. Hot water systems	
a. Propane	Cap: 50 gallons EF: 0.59
b. Conservation features None	
15. Credits	Pstat

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 14-7S-16-04211-007 **Building permit No.** 000030705

Use Classification SFD/UTILITY **Fire:** 0.00

Permit Holder GERALD E. HARVEY **Waste:** 0.00

Owner of Building LAURA STEWART **Total:** 0.00

Location: 429 SW RANDOLPH COURT, FT. WHITE, FL 32038

Date: 05/10/2013

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

UNIVERSAL
ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering, Environmental Sciences
Construction Materials Testing, Threshold Inspections, Private Provider Inspection
4475 SW 35th Terrace • Gainesville • FL• 32608 • P: (352) 372-3392 • F: (352) 336-7914
Certificate of Authorization No. 549

#30705

Project No:
Report No.:
Date:

REPORT OF IN-PLACE DENSITY TESTS

Client: Harvey Building + Const **Project:** Stewart Residence

Area Tested
- ☐ Sanitary Pipe
- ☐ Sanitary Structure
- ☐ Storm Pipe
- ☐ Storm Structure
- ☑ Building Pad
- ☐ Footings
- ☐ Roadway
- ☐ Curb
- ☐ Subgrade
- ☐ Other:

Material
- ☑ Fill
- ☐ Backfill
- ☐ Native
- ☐ Embankment
- ☐ Limerock
- ☐ Stabilization
- ☐ Other:

Referenced From
- ☑ Top
- ☐ Springline
- ☐ Bottom

"OF"

- ☑ Fill
- ☐ Native
- ☐ Footing
- ☐ Pipe
- ☐ Structure
- ☐ Berm
- ☐ Base Course
- ☐ Subgrade
- ☐ Other:

Field Test Performed
- ☐ ASTM D-2937 Drive Cylinder Method
- ☑ ASTM D-2922 Nuclear Gauge Method
- ☐ ASTM D-1556 Sand Cone Method
- ☐ ASTM D-558 Soil Cement Field Proctor

Laboratory Testing
- ☑ ASTM D-1557 Modified Proctor 30705
- ☐ ASTM D-698 Standard Proctor
- ☐ AASHTO T180 Modified Proctor
- ☐ AASHTO T99 Standard Proctor
- ☐ FM 5-515 LBR
- ☐ ASTM D-1883 CBR

Report Left on Site?
- ☑ Yes (With Whom?) Primal Bev
- ☐ No (Reason?)

Compaction Requirement = 95

Date Tested: 1-14-13

Test No.	Location of Test	Depth or Elevation	Lab Test Results: Sample Number	Lab Test Results: Maximum Density (pcf)	Lab Test Results: Optimum Moisture (%)	Field Test Results: Wet Density (pcf)	Field Test Results: Dry Density (pcf)	Field Test Results: Field Moisture (%)	Field Test Results: Compaction (%)	PASS / FAIL
				105.8	10.7					
	Approx 10' NE of SW									
	Cntr	-1' to 0"				105.0	104.1	2.7	100.3	P
	Approx Cntr of Pad	-1' to 0"				111.5	108.3	3.0	102.3	P
	Approx 6' SW of NE									
	Cntr	-1' to 0"				112.3	108.3	3.7	102.4	P

Technician: VL

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 2009. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void					
3	Condition space (Sq. Ft.)	2082	Total (Sq. Ft.) under roof 2258	IIIIIII	IIIIIII	IIIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

Wind-load Engineering Summary, calculations and any details are required.

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	**Plans or specifications must show compliance with FBCR Chapter 3**	IIIIII YES	IIIII NO	IIIIII N/A
9	Basic wind speed (3-second gust), miles per hour			
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)			
11	Wind importance factor and nature of occupancy			
12	The applicable internal pressure coefficient, Components and Cladding			
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.			

Elevations Drawing including:

14	All side views of the structure			
15	Roof pitch			
16	Overhang dimensions and detail with attic ventilation			
17	Location, size and height above roof of chimneys			
18	Location and size of skylights with Florida Product Approval			
18	Number of stories			
20A	Building height from the established grade to the roofs highest peak			

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies			
21	Raised floor surfaces located more than 30 inches above the floor or grade			
22	All exterior and interior shear walls indicated			
23	Shear wall opening shown (Windows, Doors and Garage doors)			
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.			
25	Safety glazing of glass where needed			
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails			
28	Identify accessibility of bathroom (see FBCR SECTION 320)			

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports			

FBCR 318: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. **Protection shall be provided by registered termiticides** Service by Fla. Pest Control	✓		✓

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

N/A

37	Show all materials making up walls, wall height, and Block size, mortar type			
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement			

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

N/A

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer			
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers			
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers			
42	Attachment of joist to girder			
43	Wind load requirements where applicable			
44	Show required under-floor crawl space			
45	Show required amount of ventilation opening for under-floor spaces			
46	Show required covering of ventilation opening			
47	Show the required access opening to access to under-floor spaces			
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter of the areas structural panel sheathing			

49	Show Draftstopping, Fire caulking and Fire blocking			
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6			
51	Provide live and dead load rating of floor framing systems (psf).			

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls			
53	Fastener schedule for structural members per table IRC 602.3 are to be shown			
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing			
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems			
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per IRC Table 502.5 (1)			
57	Indicate where pressure treated wood will be placed			
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas			
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail			

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.1.6.1 Wood trusses			
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer			
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters			
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details			
64	Provide dead load rating of trusses			

FBCR 802:Conventional Roof Framing Layout

N/A

65	Rafter and ridge beams sizes, span, species and spacing			
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating			
67	Valley framing and support details			
68	Provide dead load rating of rafter system			

FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness			
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas			

ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering			
72	Submit Florida Product Approval numbers for each component of the roof assembles covering			

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. **Two of the required forms are to be submitted**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
73	Show the insulation R value for the following areas of the structure			
74	Attic space			
75	Exterior wall cavity			
76	Crawl space			

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study			
78	Exhaust fans shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**			
79	Show clothes dryer route and total run of exhaust duct			

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			
81	Show the location of water heater			

Private Potable Water

82	Pump motor horse power			
83	Reservoir pressure tank gallon capacity			
84	Rating of cycle stop valve if used			

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans			
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**			
87	Show the location of smoke detectors & Carbon monoxide detectors			
88	Show service panel, sub-panel, location(s) and total ampere ratings			
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3			

90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.			

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee.	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap 386-752-2031		✓	
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White, an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.		✓	
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations		✓	
99	**CERTIFIED FINISHED FLOOR ELEVATIONS** will be required on any project where the approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.		✓	
100	A Flood development permit is also required for AE, Floodway & AH. Development permit cost is **$50.00**		✓	
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.		✓	
102	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3		✓	

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation 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.

Single-family residential dwelling.
Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the applicati or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.
Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.
Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.
Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:
Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:
Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

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
 Document ID:1USD2327Z0126150449

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/26/2012

Truss Fabricator:	Duley Truss
Job Identification:	K0740A-84 LUMBER STEWART -- FT. WHITE
Truss Count:	28
Model Code:	Florida Building Code 2010
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 - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 140 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: HCUSR2327

Walter P. Finn
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-14015EC1-GBLLETIN-PB16010-

#	Ref	Description	Drawing#	Date
1	17996--T1		12361016	12/26/12
2	17997--T2		12361002	12/26/12
3	17998--T3		12361003	12/26/12
4	17999--T4		12361004	12/26/12
5	18000--T5		12361005	12/26/12
6	18001--T6		12361006	12/26/12
7	18002--T7		12361007	12/26/12
8	18003--T8		12361023	12/26/12
9	18004--T9		12361028	12/26/12
10	18005--T10		12361017	12/26/12
11	18006--T11		12361010	12/26/12
12	18007--T12		12361001	12/26/12
13	18008--T13		12361027	12/26/12
14	18009--T14		12361026	12/26/12
15	18010--T15		12361025	12/26/12
16	18011--T16		12361024	12/26/12
17	18012--T17		12361014	12/26/12
18	18013--EJ7		12361015	12/26/12
19	18014--EJ2		12361012	12/26/12
20	18015--SJ5		12361011	12/26/12
21	18016--SJ3		12361009	12/26/12
22	18017--SJ1		12361008	12/26/12
23	18018--CJ7		12361013	12/26/12
24	18019--9-4 CAP		12361021	12/26/12
25	18020--9-4 STUB CAP		12361019	12/26/12
26	18021--9-4 H4 CAP		12361020	12/26/12
27	18022--9-4 H2 CAP		12361018	12/26/12
28	18023-4-0 DORMER TRUSS		12361022	12/26/12

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
 Document ID:IUSD2327Z0126150449

12/26/2012

Truss Fabricator:	Duley Truss
Job Identification:	K0740A-B4 LUMBER STEWART -- FT. WHITE
Truss Count:	1
Model Code:	Florida Building Code 2010
Truss Criteria:	FBC2010Res/TPI-2007(STD)
Engineering Software:	Alpine Software,Version 10.03.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 37.0 PSF @ 1.25 Duration Floor - N/A Wind - 140 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: HCUSR2327

-Truss Design Engineer-
Walter P. Finn

1950 Marley Drive
Haines City, FL 33844

Revised Trusses

#	Ref	Description	Drawing#	Date
1	18001--T6		12361006	12/26/12

K0740A-84 LUMBER STEWART -- FT. WHITE - T1)

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

›p chord 2x4 SP_#2_Dense__12A :T2 2x4 SP_#1_12A:
T3 2x4 SP_#1_Dense_12A:
›t chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A :W8 2x4 SP_#2_Dense__12A:

ımber grades designated with "12A" use design values approved
/5/2012 by ALSC.

H1) = (J) Hanger not calculated (2)2x8 SP_#2_12A
ıpporting member.

ı lieu of structural panels or rigid ceiling use purlins to brace all
lat TC @ 24" OC, all BC @ 24" OC.

:flection meets L/240 live and L/180 total load. Creep increase
ıctor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

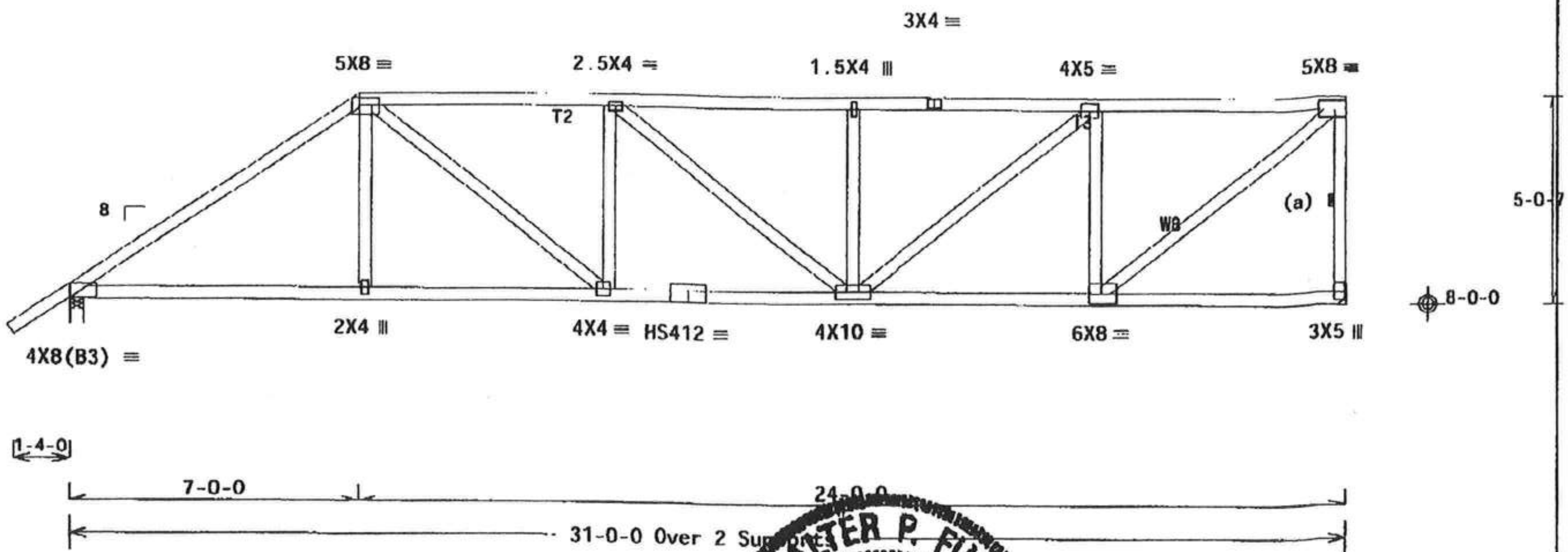
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

#1 hip supports 7-0-0 jacks with no webs.

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-5-15 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-5-15 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.



R=2439 U=251 W=4"

R=2542 U=239
H=H1

LT TYP. 20 Gauge HS,Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

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 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 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.

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 160A-Z 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 shown. 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 page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

MG.03.11.0809.21 QTY:

FL/-/2/-/-/R/-		Scale = .25"/Ft.
TC LL	20.0 PSF	REF R2327- 17996
TC DL	7.0 PSF	DATE 12/26/12
BC DL	10.0 PSF	DRW MCUSR2327 12361016
BC LL	0.0 PSF	HC-ENG SSB/WPF
TOT.LD.	37.0 PSF	SEQN- 138404
DUR.FAC.	1.25	FROM JRG
SPACING	24.0"	JREF- 1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - T2)

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

op chord 2x4 SP_#2_Dense__12A
ot chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

41) = (J) Hanger not calculated (2)2x8 SP_#2_12A
upporting member.

n lieu of structural panels or rigid ceiling use purlins to brace all
lat TC @ 24" OC, all BC @ 24" OC.

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

VFRS loads based on trusses located at least 7.50 ft. from roof edge.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

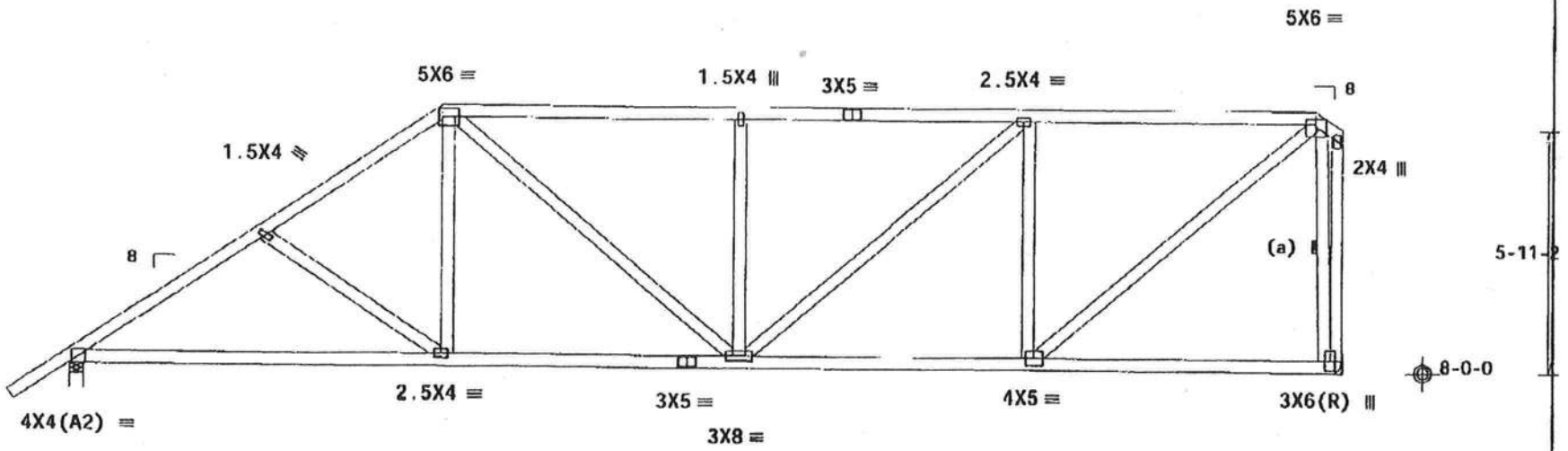
Wind loads and reactions based on MWFRS with additional C&C member design.

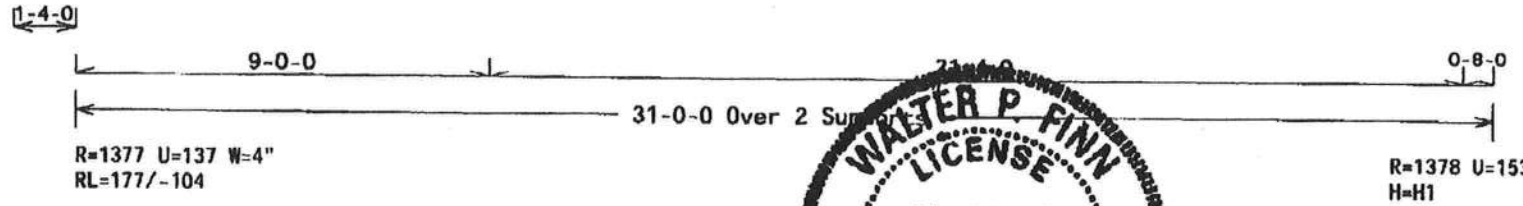
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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





Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

LT TYP. Wave

ALPINE
A Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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

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 WTCA) for general 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.

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 drawing 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 shown. 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 page; ITW-BCG: www.itwbcg.com/ TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

WALTER P. FINN
LICENSE
No.22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/26/2012

		FL/-/2/-/-/R/-	Scale =.25"/Ft.
TC LL	20.0 PSF	REF	R2327- 17997
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361002
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138381
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - T3)

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

op chord 2x4 SP_#2_Dense__12A
ot chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umbor grades designated with "12A" use design values approved
/5/2012 by ALSC.

H1) = (J) Hanger not calculated (2)2x8 SP_#2_12A
upporting member.

n lieu of structural panels or rigid ceiling use purlins to brace all
lat TC @ 24" OC, all BC @ 24" OC.

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

WFRS loads based on trusses located at least 7.50 ft. from roof edge.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

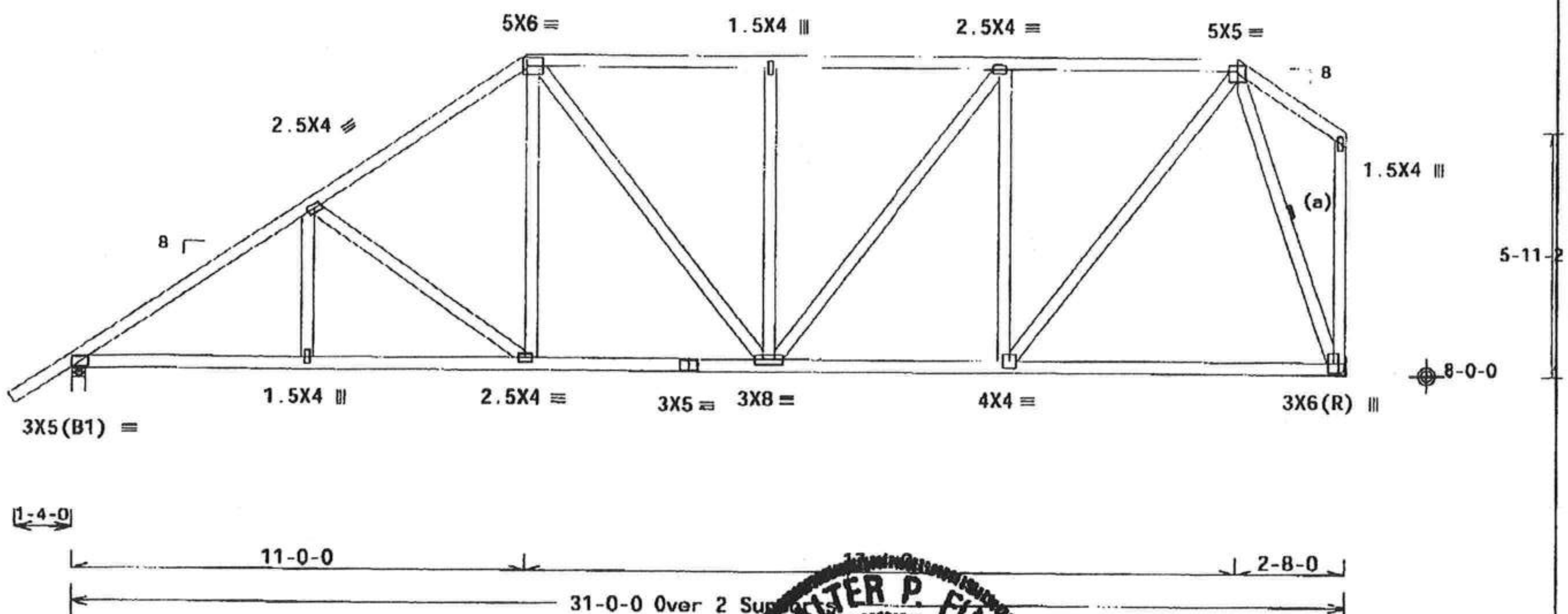
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

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



R=1387 U=135 W=4"
RL=177/-133

R=1423 U=149
H=H1

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

LT TYP. Wave

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/26/2012

FL/-/2/-/-/R/-

Scale =.25"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 17998
DATE	12/26/12
DRW	HCUSR2327 12361003
HC-ENG	SSB/AP
SEQN-	138382
FROM	JRG
JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - T4)

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

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved /5/2012 by ALSC.

11) = (J) Hanger not calculated (2)2x8 SP_#2_12A upporting member.

) lieu of structural panels or rigid ceiling use purlins to brace all lat TC @ 24" OC, all BC @ 24" OC.

)ttom chord checked for 10.00 psf non-concurrent live load.

:flection meets L/240 live and L/180 total load. Creep increase :ctor for dead load is 1.50.

VFRS loads based on trusses located at least 7.50 ft. from)of edge.

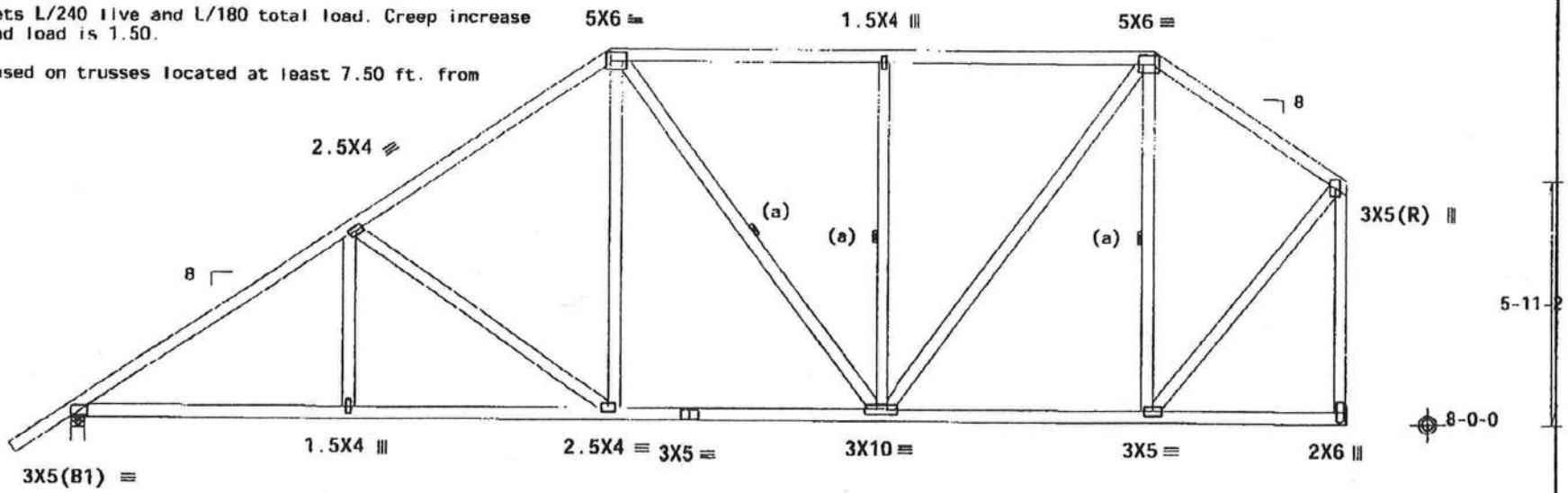
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

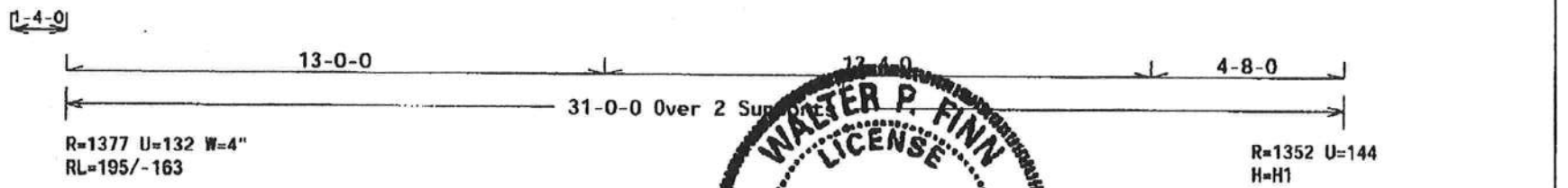
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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





Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(0)

LT TYP. Wave

FL/-/2/-/-/R/-

Scale =.25"/Ft.

TC LL	20.0 PSF	REF	R2327- 17999
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361004
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138383
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

ALPINE
W Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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No.22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER
12/26/2012

KO740A-84 LUMBER STEWART -- FT. WHITE - T5)

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

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

imber grades designated with "12A" use design values approved
'5/2012 by ALSC.

ilculated horizontal deflection is 0.15" due to live load and 0.26"
le to dead load.

l) Continuous lateral bracing equally spaced on member.

)ttom chord checked for 10.00 psf non-concurrent live load.

iim all supports to solid bearing.

IFRS loads based on trusses located at least 15.00 ft. from roof
lge.

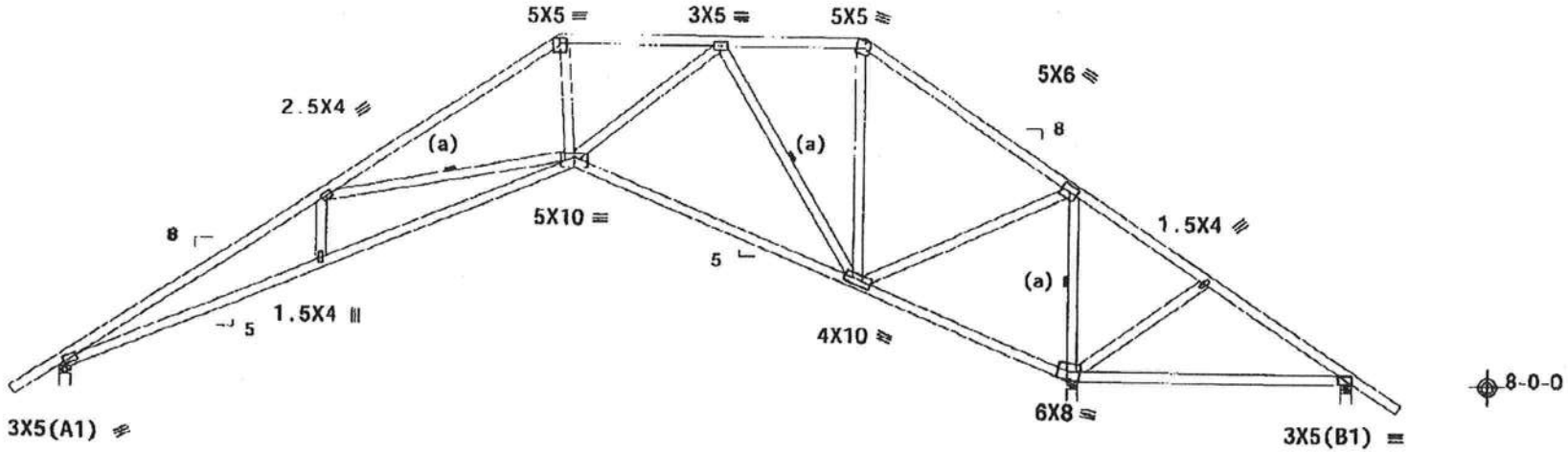
Negative reaction(s) of -929# MAX. (See below) from a non-wind load case requires uplift connection.

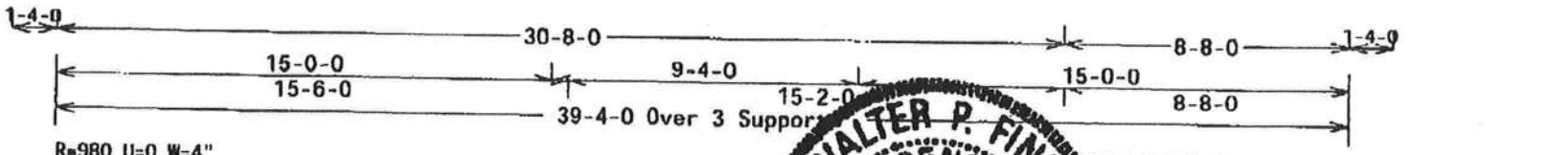
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

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





WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

_T TYP. Wave

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(0)

10.03.11 0809.21

QTY 5

FL/-/2/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF	REF	R2327- 18000
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	MCUSR2327 12361006
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138384
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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KO740A-84 LUMBER STEWART -- FT. WHITE - T6)

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

p chord 2x4 SP_#1_Denso_12A :T2 2x4 SP_#1_12A:
t chord 2x4 SP_#1_Denso_12A :B2 2x4 SP_#1_12A:
3 2x4 SP_#2_Dense__12A:
Webs 2x4 SP_#3__12A :W10, W11 2x4 SP_#2_Denso__12A:
'2 2x6 SP_#2_12A:

mber grades designated with "12A" use design values approved
5/2012 by ALSC.

ecial loads
----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at 1.50 to 57 plf at 15.00
TC- From 57 plf at 15.00 to 57 plf at 20.09
TC- From 257 plf at 20.09 to 257 plf at 24.34
TC- From 257 plf at 24.34 to 257 plf at 30.67
TC- From 57 plf at 30.67 to 57 plf at 40.83
BC- From 22 plf at 0.00 to 22 plf at 15.50
BC- From 22 plf at 15.50 to 22 plf at 30.67
BC- From 20 plf at 30.67 to 20 plf at 39.33
TC- 400.00 lb Conc. Load at 20.09

nd loads and reactions based on MWFRS with additional C&C member
sign.

) Continuous lateral bracing equally spaced on member.

++ Negative reaction(s) of -1641# MAX. (See below) from a non-wind load case requires uplift connection.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

Calculated horizontal deflection is 0.26" due to live load and 0.40" due to dead load.

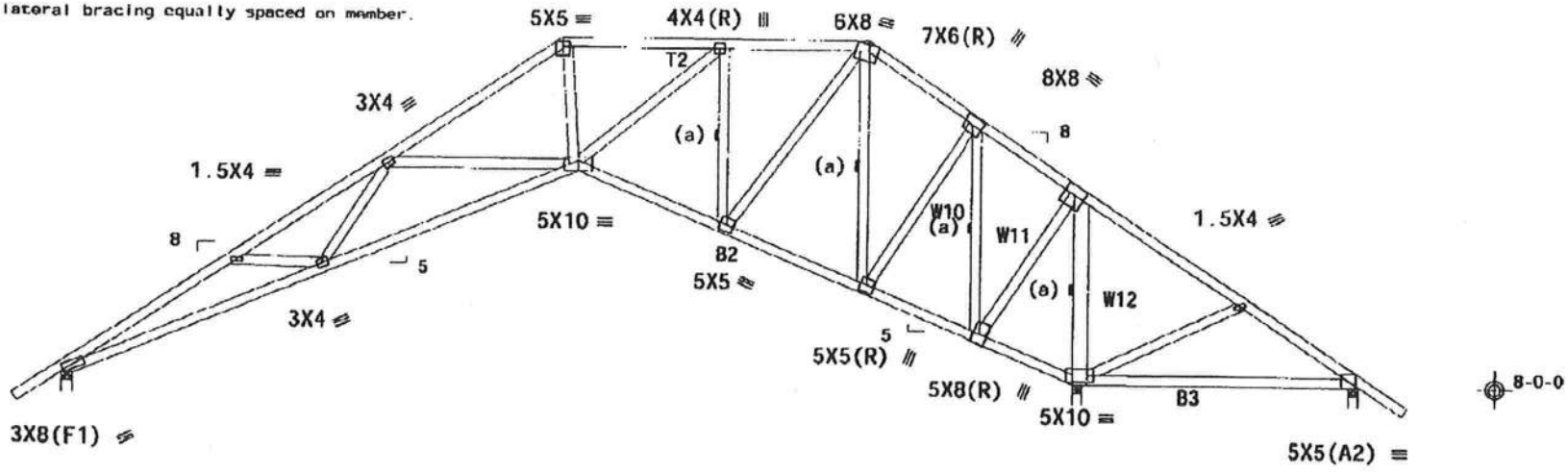
In lieu of structural panels or rigid ceiling use purlins to brace all flat TC @ 24" OC, all BC @ 24" OC.

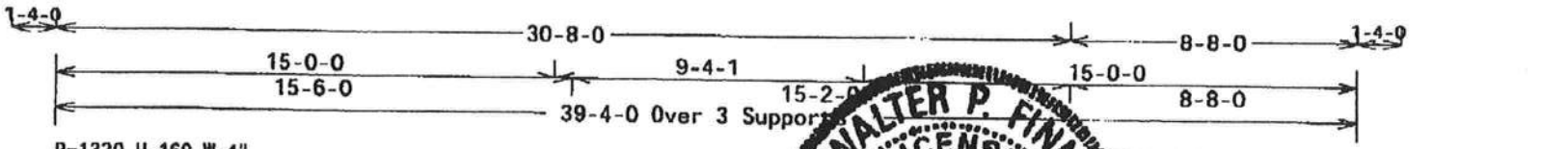
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Shim all supports to solid bearing.

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.





R=1329 U=169 W=4"
RL=272/-272

R=-1642 Rw=208 U=583 W=3.5"
++

Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

_T TYP. Wave

FL/-/2/-/-/R/-

Scale =.1875"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18001
DATE	12/26/12
DRW	HCUSR2327 12361006
HC-ENG	SSB/WPF
SEQN-	14583 REV
FROM	JRG
JREF-	1USD2327Z01

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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KO740A-84 LUMBER STEWART -- FT. WHITE - T7)

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

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

1) Continuous lateral bracing equally spaced on member.

1 lieu of structural panels or rigid ceiling use purlins to brace all
'at TC @ 24" OC, all BC @ 24" OC.

)flection meets L/240 live and L/180 total load. Creep increase
ictor for dead load is 1.50.

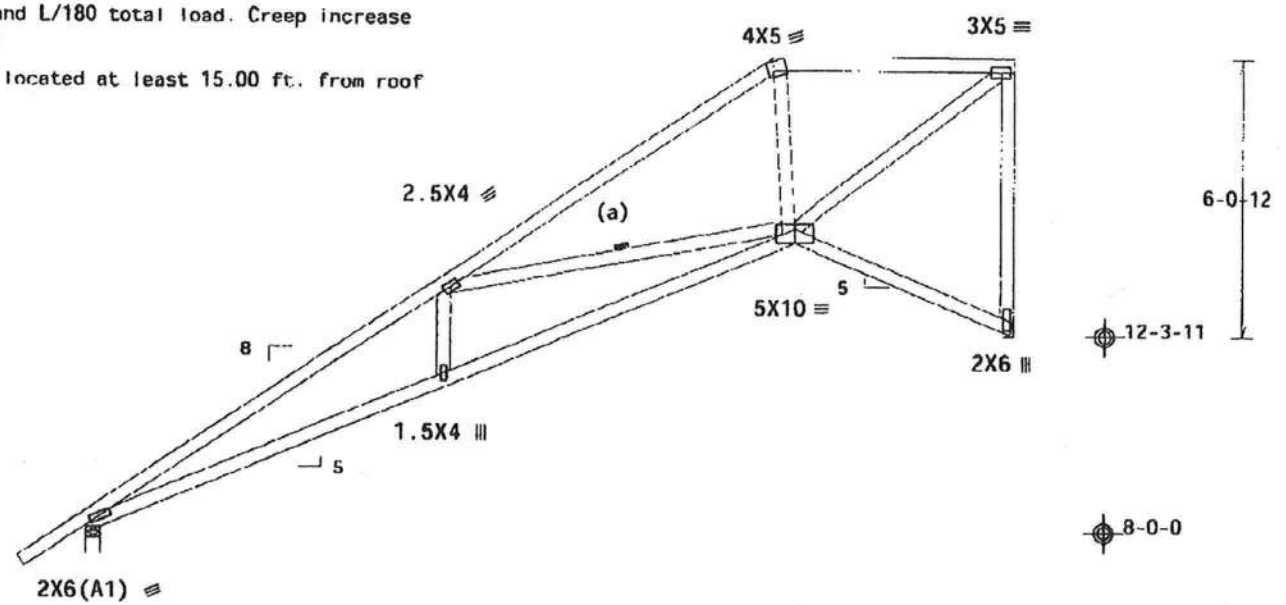
IFRS loads based on trusses located at least 15.00 ft. from roof
lge.

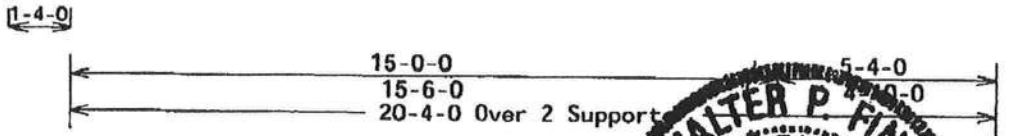
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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





R=888 U=0 W=4"
RL=217/-148

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)
10.03.11.0809.21
DTK:
FL/-/2/-/-/R/-
Scale =.25"/Ft.

_T TYP. Wave

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/26/2012

TC LL	20.0 PSF	REF	R2327- 18002
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361007
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138385
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

op chord 2x4 SP_#2_Dense__12A
ot chord 2x4 SP_#1_12A :B2 2x4 SP_#2_Dense__12A:
Webs 2x4 SP_#3__12A :W5 2x4 SP_#2_Dense__12A:

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

alculated horizontal deflection is 0.29" due to live load and 0.40"
ue to dead load.

n lieu of structural panels or rigid ceiling use purlins to brace all
lat TC @ 24" OC, all BC @ 24" OC.

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

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

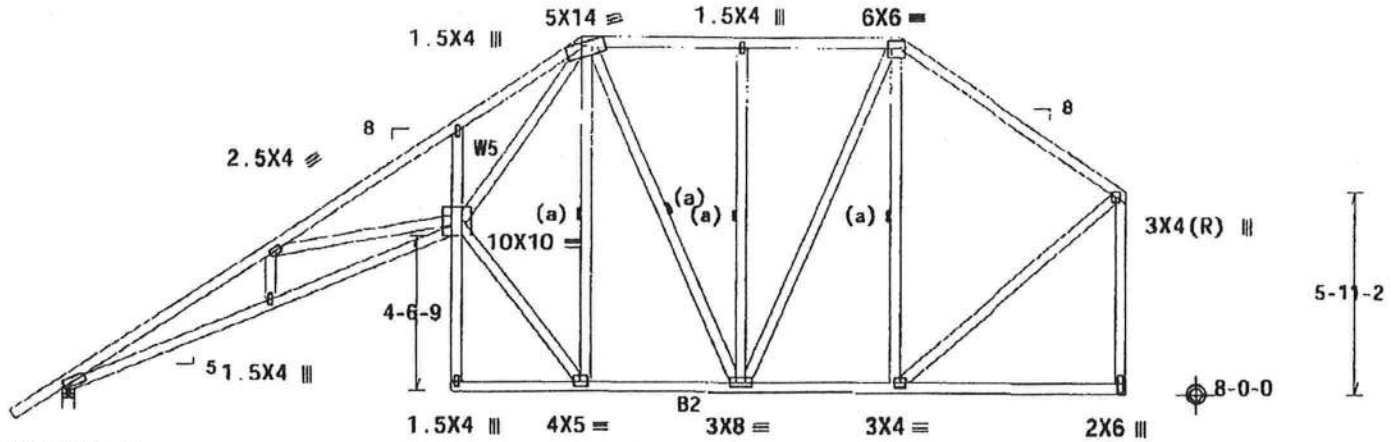
Wind loads and reactions based on MWFRS with additional C&C member design.

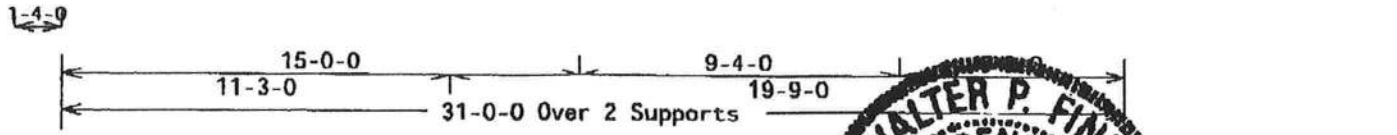
Right end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member.

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

MWFRS loads based on trusses located at least 30.00 ft. from roof edge.

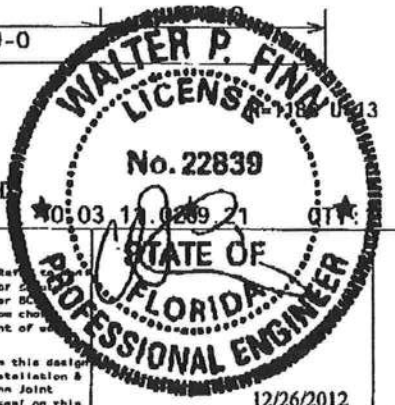




R=1294 U=6 W=4"
RL=224/-192

Design Crit: FBC2010Res/TPI-2007(STD
FT/RT=20%(0%)/10(0)

LT TYP. Wave



12/26/2012

FL/-/2/-/-/R/-

Scale =.1875"/Ft.

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ITB Building Components Group Inc. (ITBBCG) 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 160A-Z 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 shown. 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 page; ITB-BCG: www.itebcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

TC LL	20.0 PSF	REF	R2327- 18003
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361023
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138386
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - T9)

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

ɔp chord 2x4 SP_#2_Dense__12A
ɔt chord 2x8 SP_#2_12A
Webs 2x4 SP_#3__12A :W3 2x4 SP_#2_Dense__12A:

ɹmber grades designated with "12A" use design values approved
/5/2012 by ALSC.

ɔecial loads
-----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at 0.00 to 57 plf at 7.50
TC- From 57 plf at 7.50 to 57 plf at 15.00
BC- From 20 plf at 0.00 to 20 plf at 7.06
BC- From 10 plf at 7.06 to 10 plf at 15.00
BC- 2542.48 lb Conc. Load at 7.06
BC- 1378.18 lb Conc. Load at 9.06
BC- 1423.39 lb Conc. Load at 11.06
BC- 1352.03 lb Conc. Load at 13.06

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

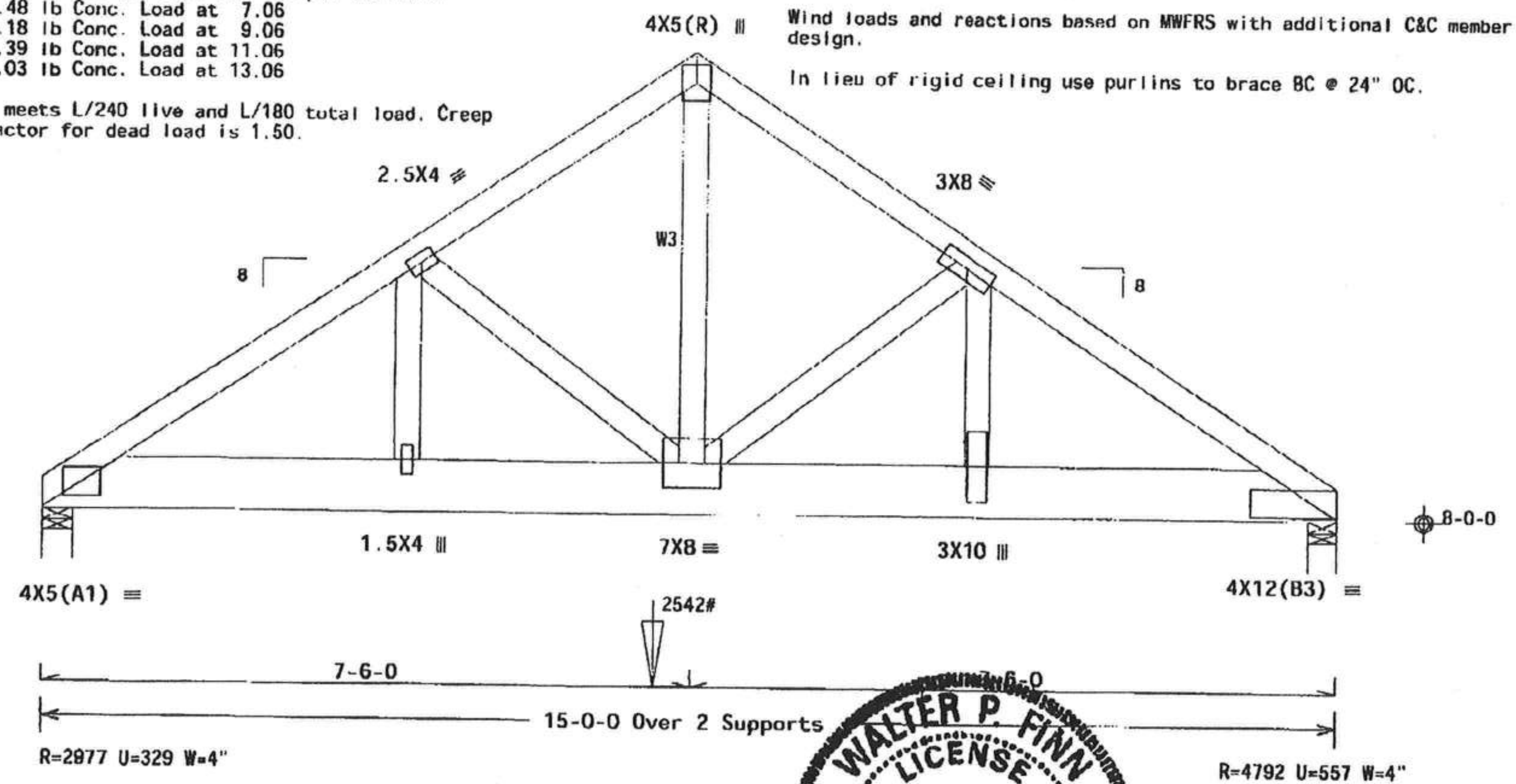
2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.128"x3.25", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



LT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

0.03 1.0209.21

FL/-/2/-/-/R/-

Scale =.5"/Ft.

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

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ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF	REF	R2327- 18004
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361028
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138406
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - T10)

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

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

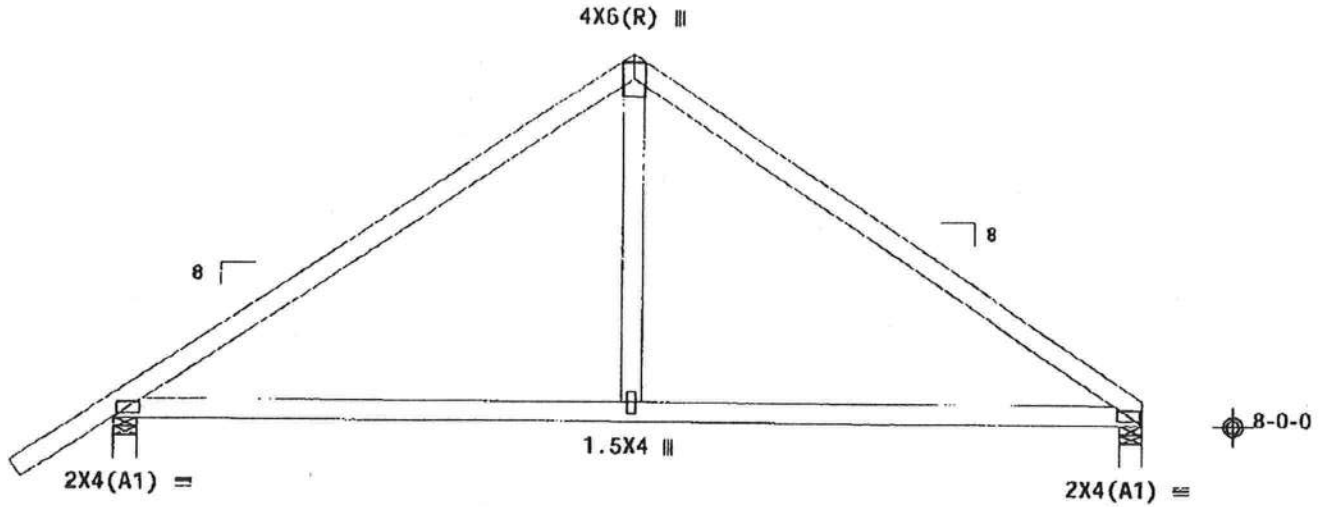
) lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf, GCpi(+/-)=0.18

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

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



1-4-0

7-6-0 7-6-0

15-0-0 Over 2 Supports

R=661 U=77 W=4"
RL=22/-135

W=4"

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

★10.03.11.0209.21 03★

FL/-/2/-/-/R/-

Scale =.375"/Ft.

-T TYP. Wave

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this de... 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 1160A-Z 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 shown. 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 page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R2327- 18005
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361017
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138387
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - T11)

ɔp chord 2x4 SP_#2_Dense _12A
ɔt chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

ımber grades designated with "12A" use design values approved
'5/2012 by ALSC.

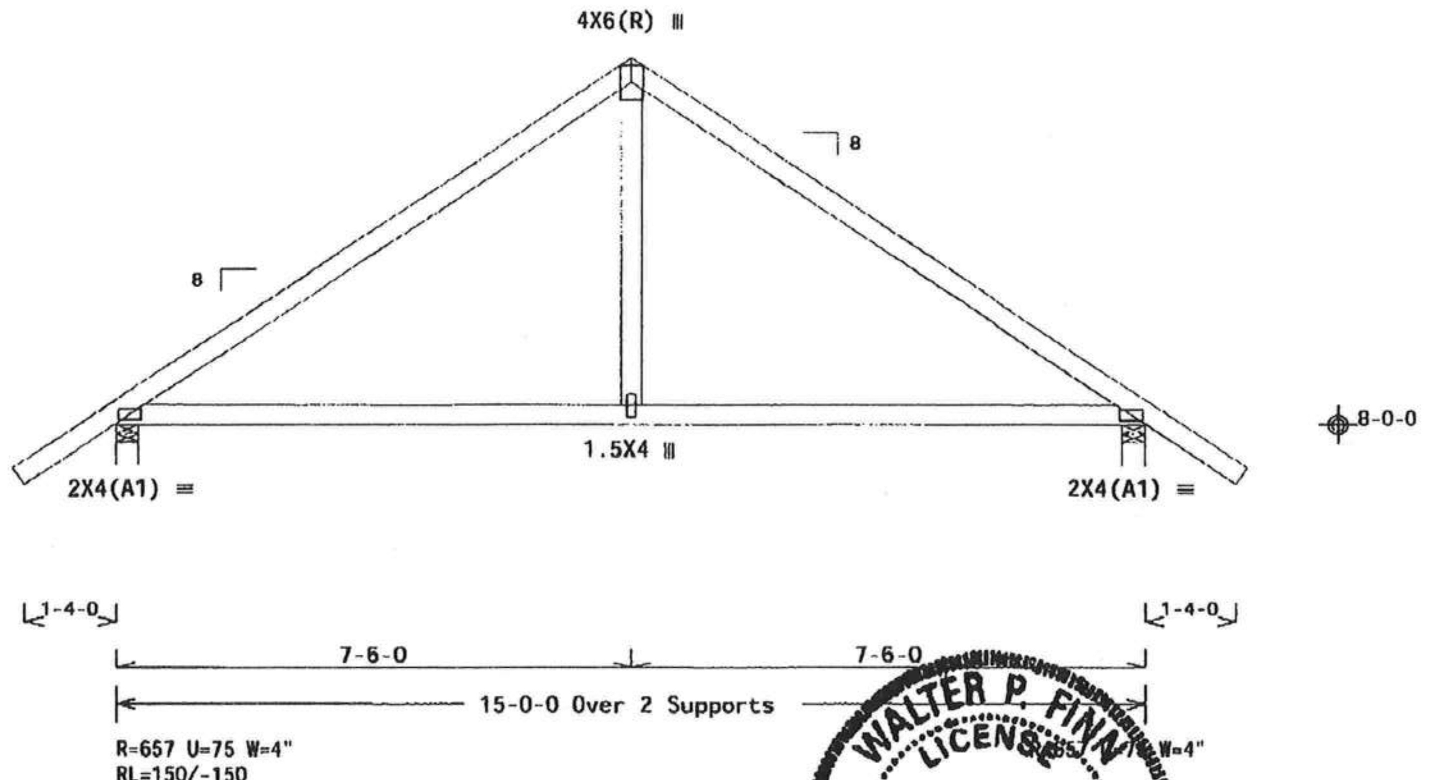
ı lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(0)

_T TYP. Wave

FL/-/2/-/-/R/-

Scale =.375"/Ft.

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Re[illegible] follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for [illegible] practices prior to performing these functions. Installers shall provide temporary bracing per [illegible]. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom ch[illegible] shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of [illegible] shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this desi[illegible] 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 160A-Z 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 shown. 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 page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF	REF	R2327- 18006
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361010
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138388
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

ıp chord 2x4 SP_#2_Dense__12A
ıt chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

ımber grades designated with "12A" use design values approved
'5/2012 by ALSC.

ıble end supports 8" max rake overhang.

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

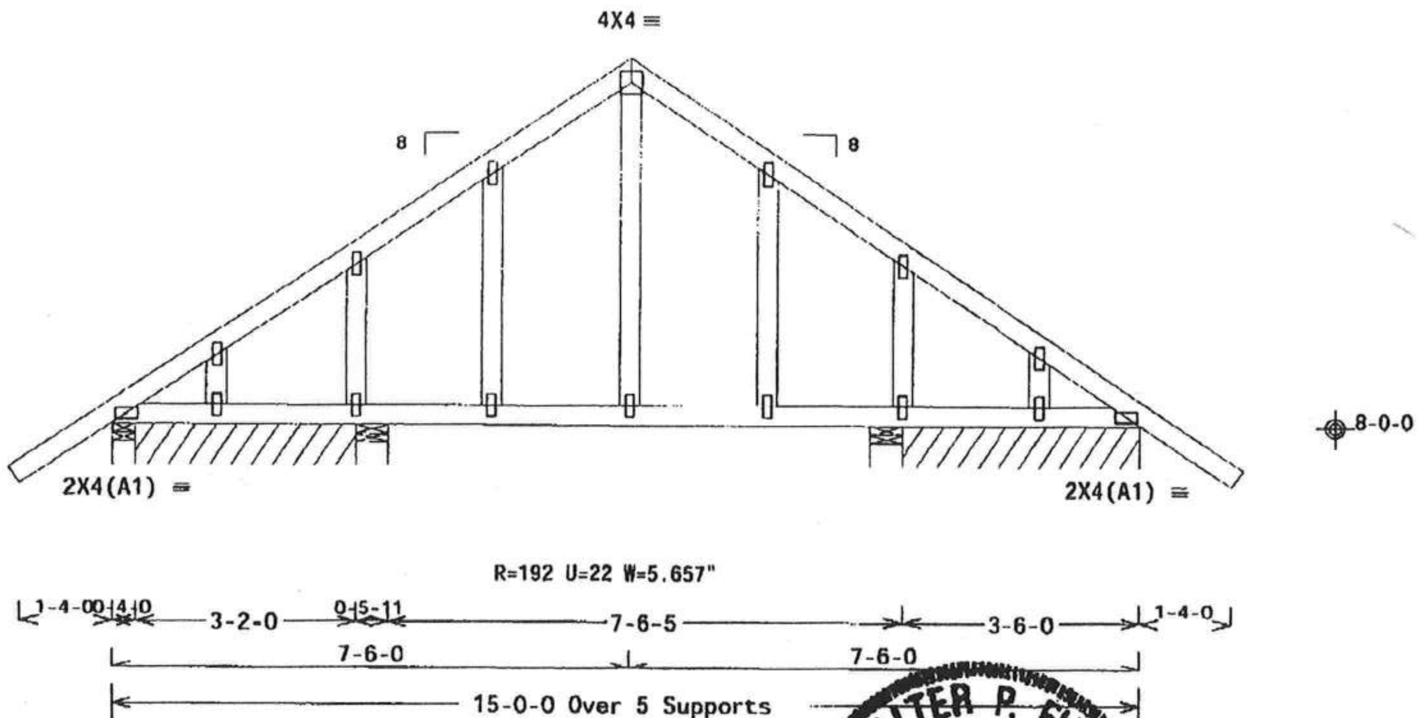
ıflection meets L/240 live and L/180 total load. Creep increase
ıctor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLETIN0212 for more requirements.

Bottom chord checked for 10.00 psf non-concurrent live load



R=376 U=8 W=4"
RL=190/RL60U=18 PLF W=3-2-0
R=289 U=26 W=5.657"
RL=105 PLF U=3 PLF W=3-6-0

ɔte: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0) 10.03.11.0809.21 QTY:1

.T TYP. Wave

FL/-/2/-/-/R/-   Scale =.375"/Ft.

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ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WALTER P. FINN
LICENSE
No. 22839
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12/26/2012

TC LL	20.0 PSF	REF	R2327- 18007
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361001
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	138389
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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

K0740A-84 LUMBER STEWART -- FT. WHITE - T13)

p chord 2x4 SP_#2_Dense__12A
t chord 2x8 SP_#2_12A
Webs 2x4 SP_#3__12A :W3 2x4 SP_#2_Dense__12A:

mber grades designated with "12A" use design values approved
5/2012 by ALSC.

ecial loads
---- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at 0.00 to 57 plf at 8.50
TC- From 57 plf at 8.50 to 57 plf at 17.00
BC- From 20 plf at 0.00 to 20 plf at 3.94
BC- From 10 plf at 3.94 to 10 plf at 7.00
BC- From 10 plf at 7.00 to 10 plf at 9.94
BC- From 20 plf at 9.94 to 20 plf at 17.00
BC- 1352.03 lb Conc. Load at 3.94
BC- 1423.39 lb Conc. Load at 5.94
BC- 1378.18 lb Conc. Load at 7.94
BC- 2542.48 lb Conc. Load at 9.94

flection meets L/240 live and L/180 total load. Creep increase
ctor for deed load is 1.50.

RNING! This truss is not symmetric, but its exterior
ometry makes erection error more probable. It is imperative
at this truss be installed properly. Truss manufacturer is
mark this truss for proper erection.

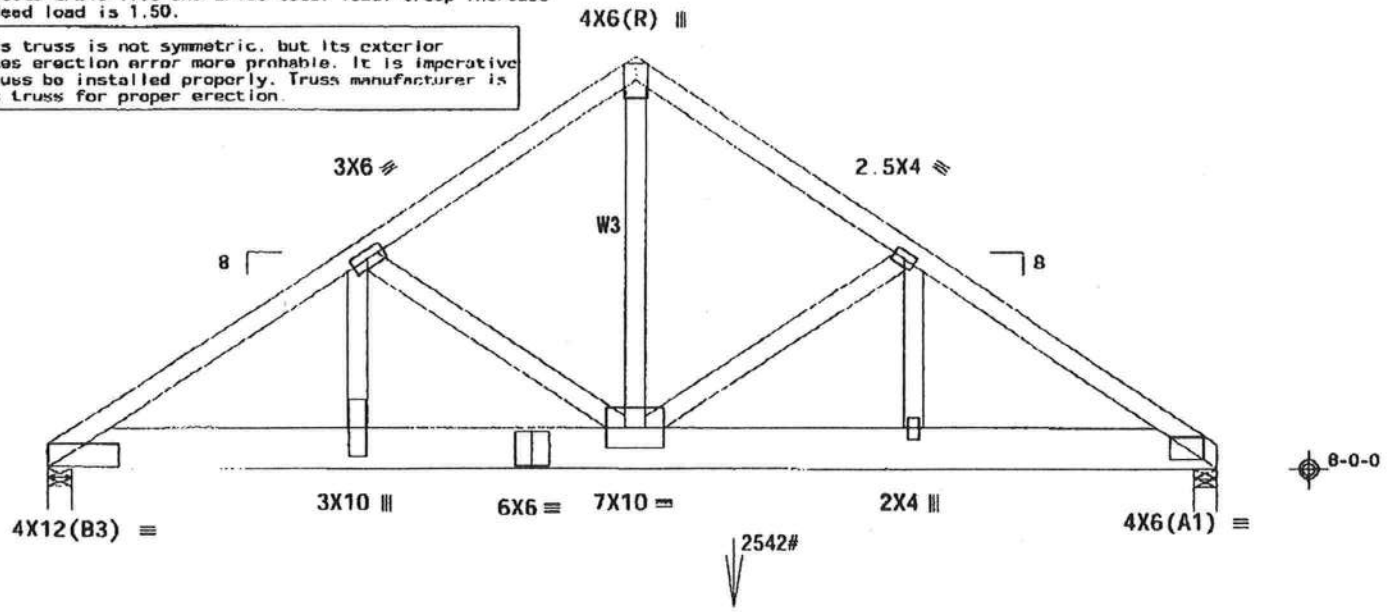
2 COMPLETE TRUSSES REQUIRED

Nail Schedule:0.128"x3.25", min. nails
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.75" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails
in each row to avoid splitting.
4" o.c. spacing of nails perpendicular and parallel to
grain required in area over bearings greater than 4"

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

T TYP. Wave

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

10.03.11.0009.21

QTY:1

FL/-/2/-/-/R/-

Scale =.375"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF	REF	R2327- 18008
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361027
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	138407
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - T14)

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

op chord 2x4 SP_#2_Dense__12A
ot chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved /5/2012 by ALSC.

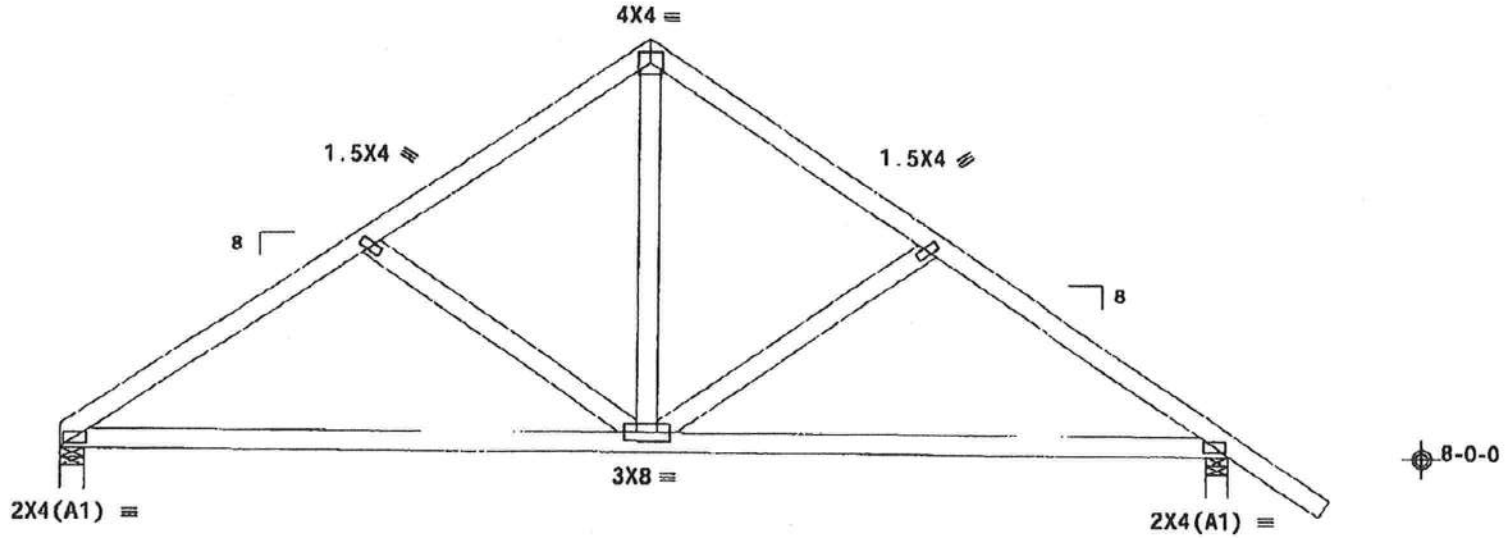
n lieu of rigid ceiling use purlins to brace BC @ 24" OC.

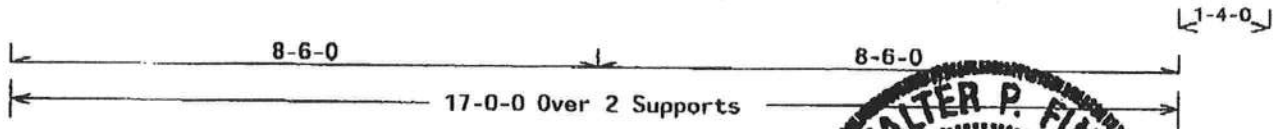
eflection meets L/240 live and L/180 total load. Creep increase actor for dead load is 1.50.

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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





R=649 U=62 W=4"
RL=149/-138

R=84 U=84 W=4"

LT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(0) ★10.03.11.0209.21

FL/-/2/-/-/R/-

Scale =.375"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18009
DATE	12/26/12
DRW	HCUSR2327 12361026
HC-ENG	SSB/WPF
SEQN-	138390
FROM	JRG
JREF-	1USD2327Z01

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

)mber grades designated with "12A" use design values approved
'5/2012 by ALSC.

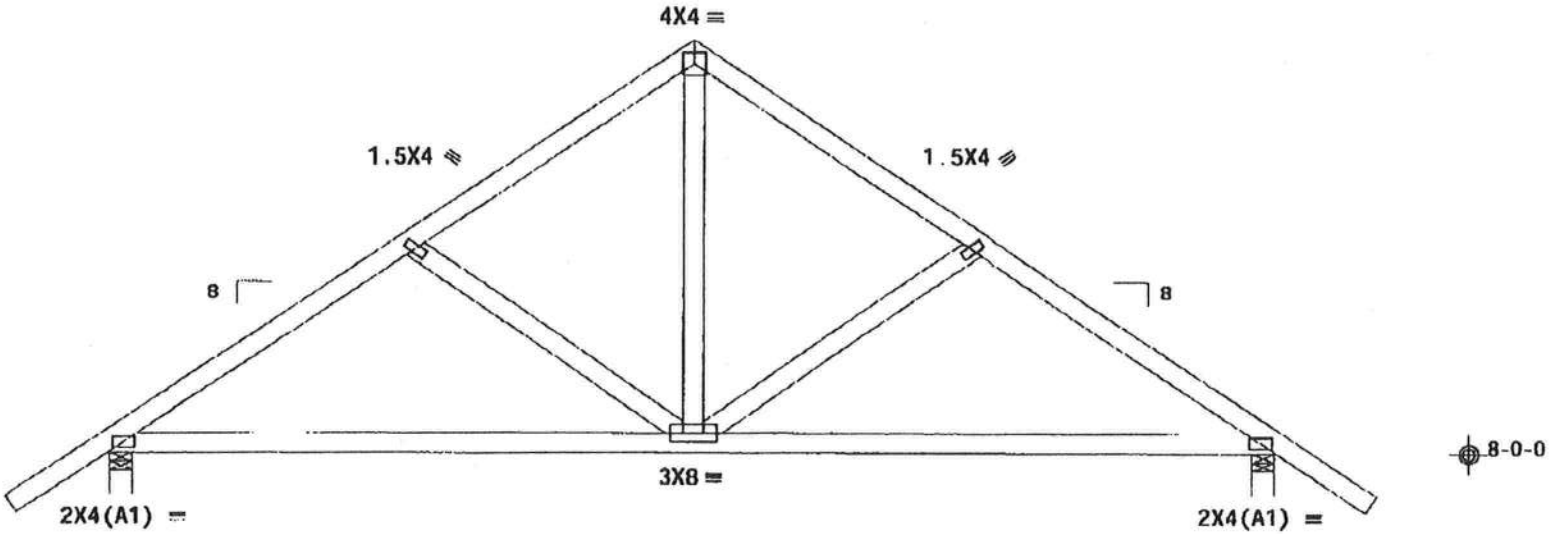
) lieu of rigid ceiling use purlins to brace BC @ 24" OC.

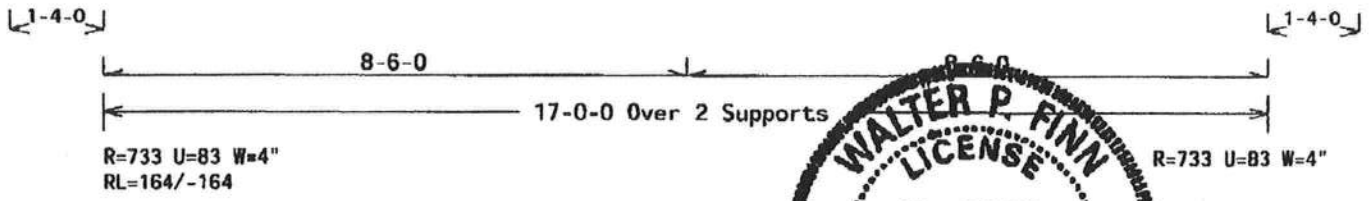
)flection meets L/240 live and L/180 total load. Creep increase
)ctor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

_T TYP. Wave

FT/RT=20%(0%)/10(0) ★10.03.11.0409.21 ★

FL/-/2/-/-/R/-

Scale =.375"/Ft.

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

TC LL	20.0 PSF	REF	R2327- 18010
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361025
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	138391
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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

K0740A-84 LUMBER STEWART -- FT. WHITE - T16)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

ible end supports 8" max rake overhang.

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

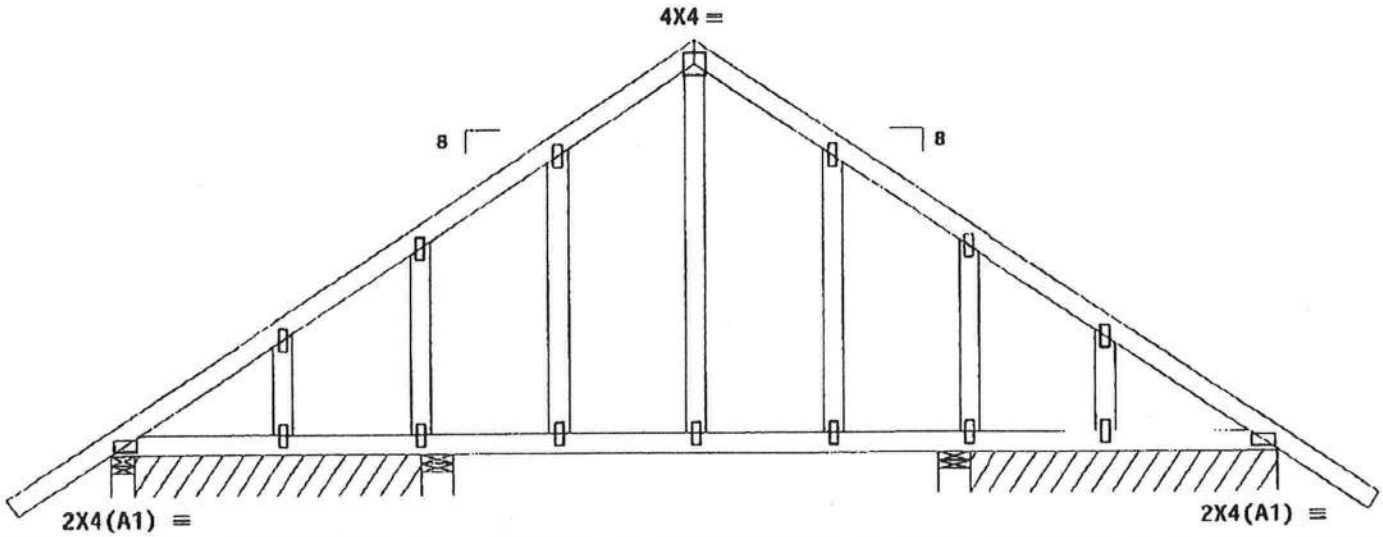
:flection meets L/240 live and L/180 total load. Creep increase
ictor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

See DWGS A14015ENC100212 & GBLLETIN0212 for more requirements.

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



)te: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

_T TYP. Wave

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

WALTER P. FINA LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/26/2012

FL/-/2/-/-/R/-

Scale =.375"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18011
DATE	12/26/12
DRW	HCUSR2327 12361024
	HC-ENG SSB/WPF
SEQN-	138392
FROM	JRG
JREF-	1USD2327Z01

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Re... 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 B... Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom ch... shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of ... shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

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KO740A-84 LUMBER STEWART -- FT. WHITE - T17)

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

)p chord 2x4 SP_#1_12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

ft end vertical not exposed to wind pressure.

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

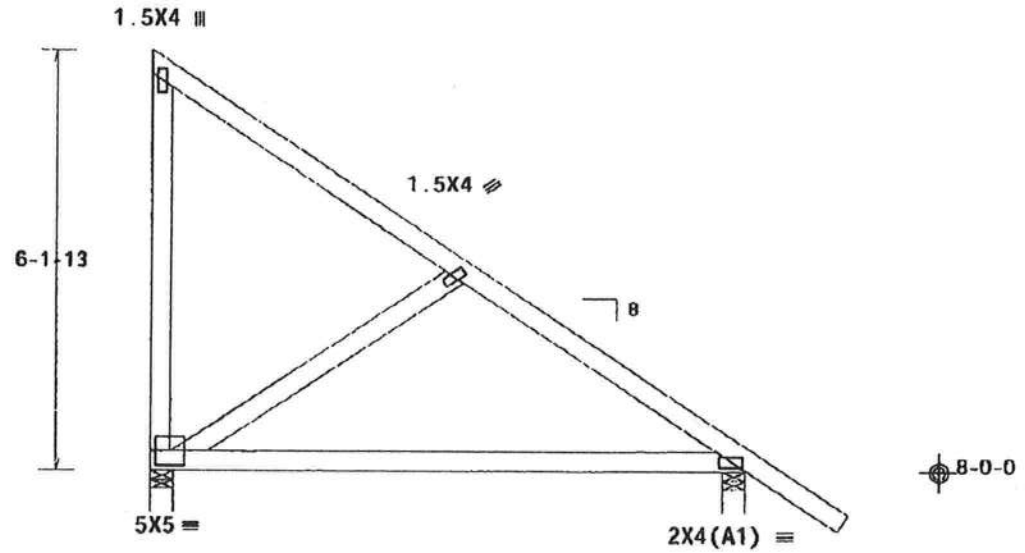
IFRS loads based on trusses located at least 15.00 ft. from roof
lge.

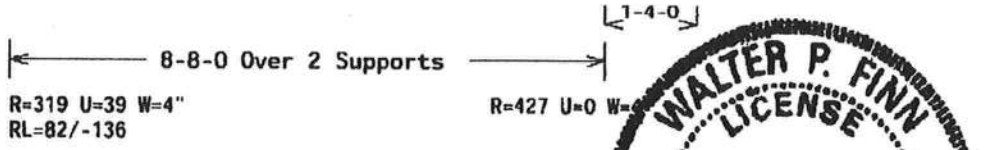
140 mph wind, 15.00 ft mean hgt, ASCE 7-10. CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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.





Design Crit: FBC2010Res/TPI-2007(ST[illegible])
FT/RT=20%(0%)/10(0)
10.03.[illegible]0809)21
QTY: 2
FL/-/2/-/-/R/-
Scale =.375"/Ft.

.T TYP. Wave

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER
12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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TC LL	20.0 PSF	REF	R2327- 18012
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361014
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	138393
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - EJ7)

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

ɪp chord 2x4 SP_#2_Dense__12A
ɪt chord 2x4 SP_#2_Dense__12A

ɪmber grades designated with "12A" use design values approved
'5/2012 by ALSC.

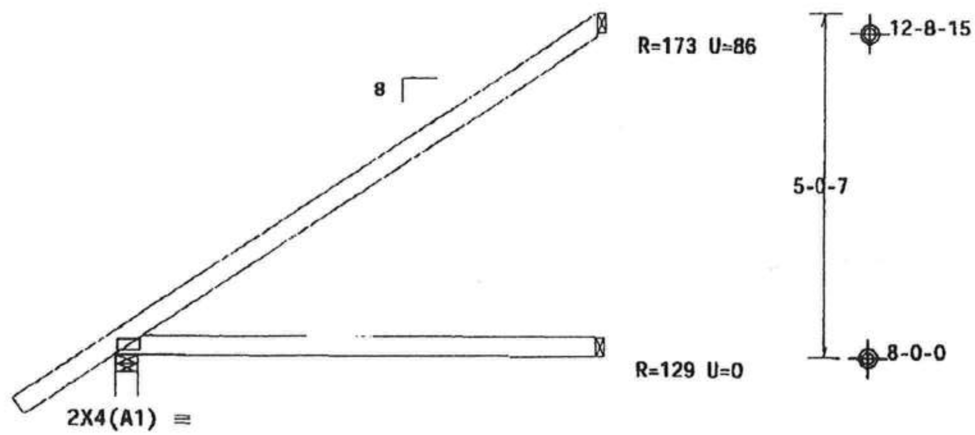
ɪ lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



1-4-0

7-0-0 Over 3 Supports

R=365 U=4 W=4"
RL=151/-83

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

.T TYP. Wave

★0.03 1[illegible].0209.21 QTY:[illegible] FL/-/2/-/-/R/-

Scale =.375"/Ft.

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF	REF	R2327- 18013
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361015
BC LL	0.0 PSF	HC-ENG	SSB/WPF
TOT.LD.	37.0 PSF	SEQN-	138394
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - EJ2)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

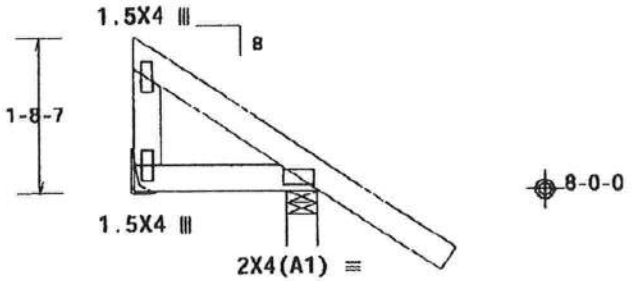
1 lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

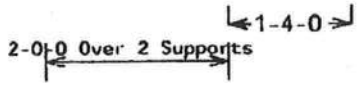
140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



R=41 U=4
RL=28/-63



R=200 U=36 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)

LT TYP. Wave

FT/RT=20%(0%)/10(0) 10.03.11 0209 21 QTY 4 FL/-/2/-/-/R/- Scale =.5"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18014
DATE	12/26/12
DRW	HCUSR2327 12381012
HC-ENG	SSB/AP
SEQN-	138395
FROM	JRG
JREF-	1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - SJ5)

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

ɔp chord 2x4 SP_#2_Dense__12A
ɔt chord 2x4 SP_#2_Dense__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

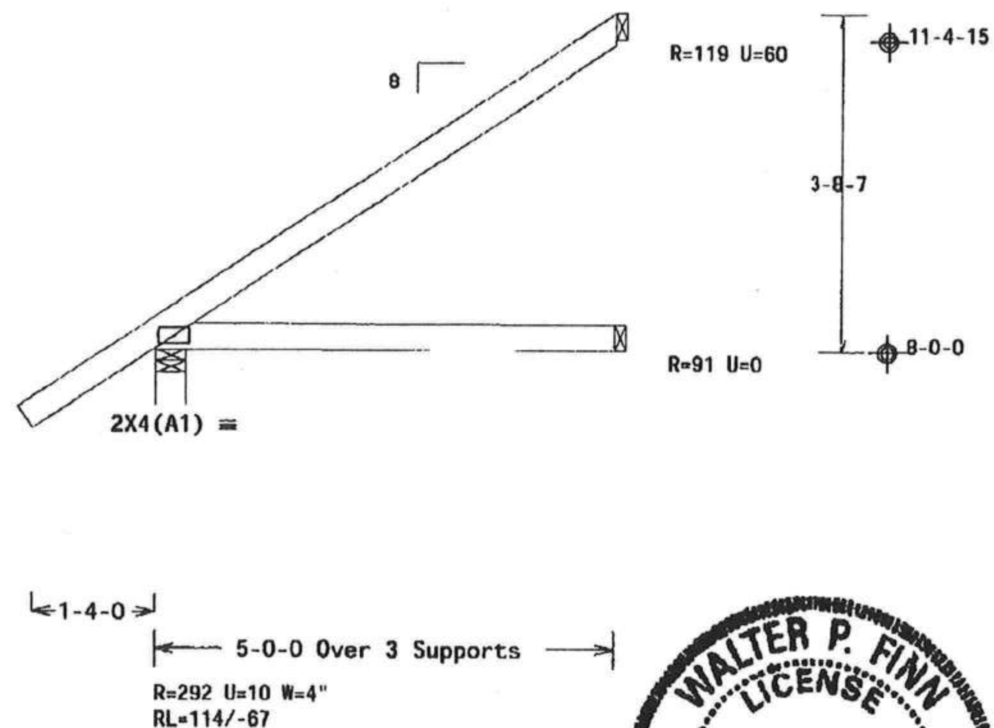
ı lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007(ST[illegible]
FT/RT=20%(0%)/10(0)

LT TYP. Wave

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ALPINE
[illegible] Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

★0.03 1[illegible].0[illegible]9.21 [illegible]TR★

12/26/2012

FL/-/2/-/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF R2327- 18015
TC DL	7.0 PSF	DATE 12/26/12
BC DL	10.0 PSF	DRW HCUSR2327 12361011
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN- 138396
DUR.FAC.	1.25	FROM JRG
SPACING	24.0"	JREF- 1USD2327Z01

KO740A-84 LUMBER STEWART -- FT. WHITE - SJ3)

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

ɔp chord 2x4 SP_#2_Dense__12A
ɔt chord 2x4 SP_#2_Dense__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

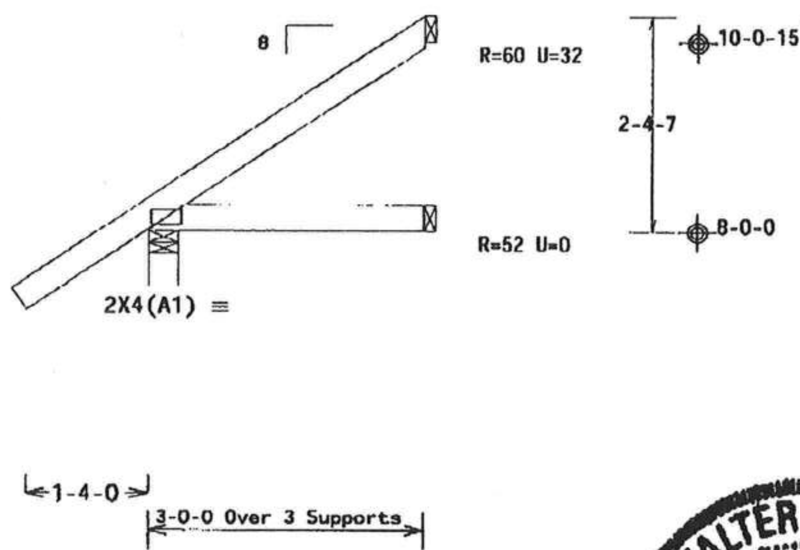
n lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

LT TYP. Wave

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

10.03.11.0809.21

12/26/2012

FL/-/2/-/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R2327- 18016
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361009
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138397
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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

KO740A-84 LUMBER STEWART -- FT. WHITE - SJ1)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

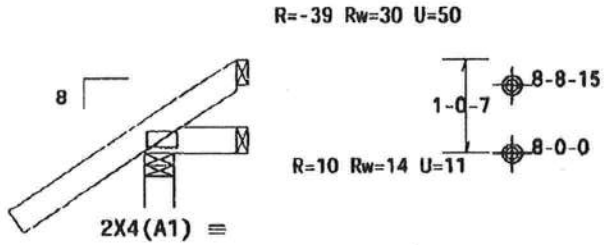
1 lieu of rigid ceiling use purlins to brace BC @ 24" OC.

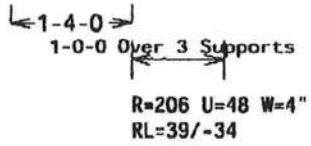
eflection meets L/240 live and L/180 total load. Creep increase
actor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

LT TYP. Wave | FT/RT=20%(0%)/10(0) | 10.03.11 0809 21 | FL/-/2/-/-/R/- | Scale =.5"/Ft.

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
W Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF	REF	R2327- 18017
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361008
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138398
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - CJ7)

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

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

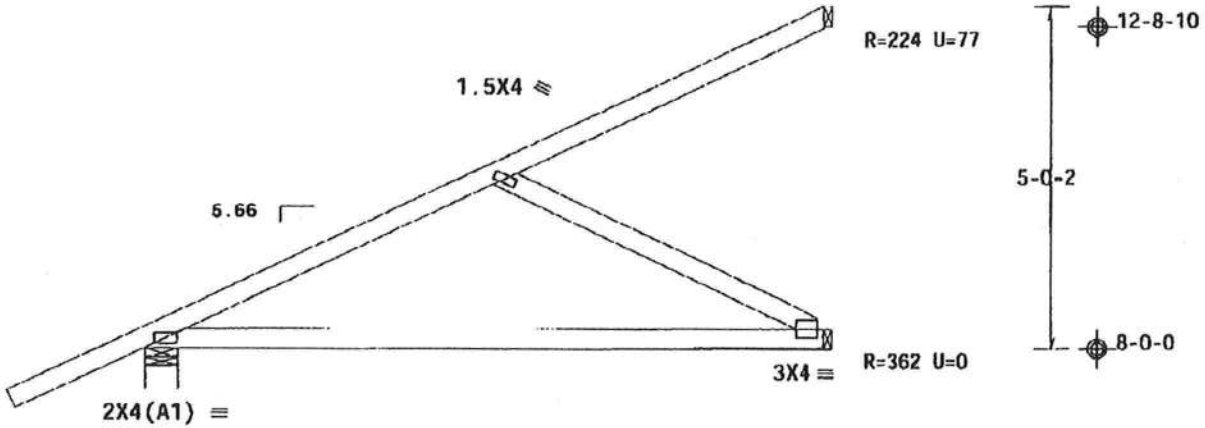
1 lieu of rigid ceiling use purlins to brace BC @ 24" OC.

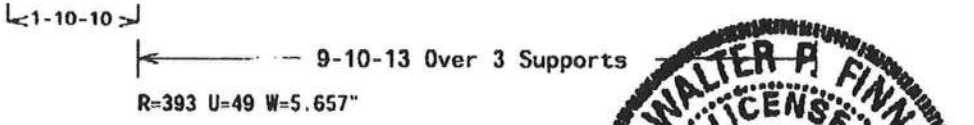
eflection meets L/240 live and L/180 total load. Creep increase
actor for dead load is 1.50.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Hipjack supports 7-0-0 setback jacks with no webs.





Design Crit: FBC2010Res/TPI-2007(STD)

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

10.03.11.0209.21

QTY 2

FL/-/2/-/-/R/-

Scale =.375"/Ft.

_T TYP. Wave

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0278

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF	REF	R2327- 18018
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361013
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138408
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

K0740A-84 LUMBER STEWART -- FT. WHITE - 9-4 CAP)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

imber grades designated with "12A" use design values approved
'5/2012 by ALSC.

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

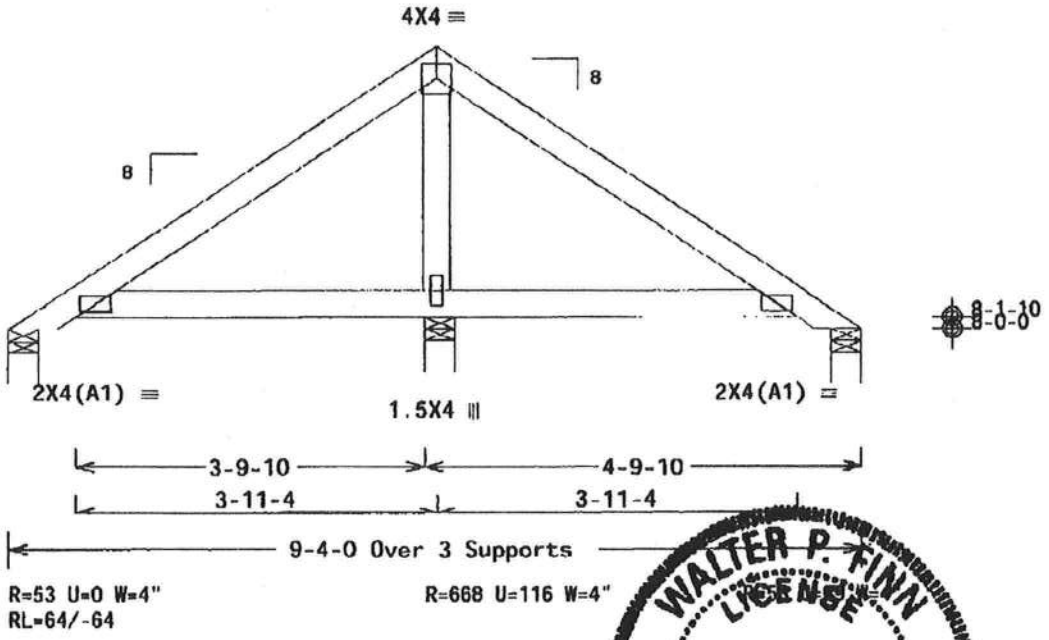
:flection meets L/240 live and L/180 total load. Creep increase
ictor for dead load is 1.50.

:fer to drawing PB160100212 for piggyback detail, Top chord of
ipporting truss under piggyback to be braced @ 24" O.C.,
lless otherwise specified.

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



Design Crit: FBC2010Res/TPI-2007(STD)

_T TYP. Wave

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

10.03.11 0809 21

QTY: 5

FL/-/2/-/-/R/-

Scale =.5"/Ft.

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
Building Components Group Inc.
Haines City, FL 33844
Fl. COA #0 278

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

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 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 sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

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 and 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 Z 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 shown. 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 page, ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R2327- 18019
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361021
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138399
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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

KO740A-84 LUMBER STEWART -- FT. WHITE - 9-4 STUB CAP)

op chord 2x4 SP_#2_Dense__12A
ot chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
/5/2012 by ALSC.

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

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

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

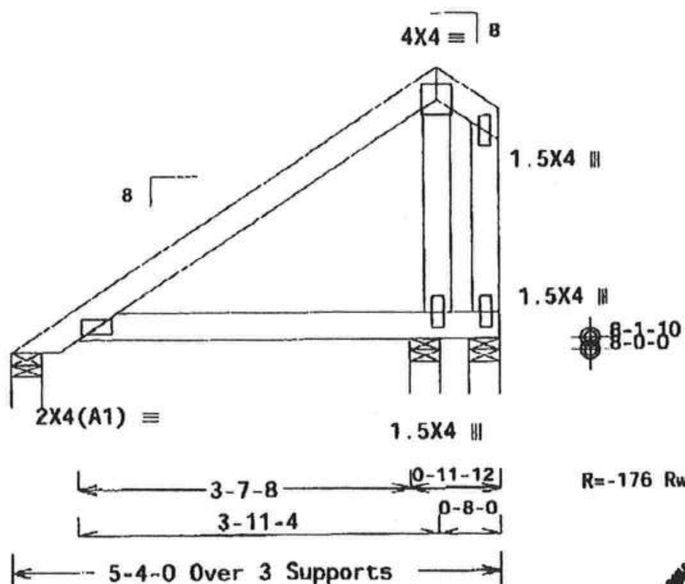
efer to drawing PB160100212 for piggyback detail. Top chord
f supporting truss under piggyback to be braced @ 24" O.C.,
nless otherwise specified.

Negative reaction(s) of -176# MAX. (See below) from a non-wind load case requires uplift connection.

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

Right end vertical not exposed to wind pressure.



R=-176 Rw=44 U=124 W=4"

R=143 U=0 W=4"
RL=71/-39

R=410 U=90 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

★0.03.10.0209.21

QTY:★

FL/-/2/-/-/R/-

Scale =.5"/Ft.

_T TYP. Wave

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18020
DATE	12/26/12
DRW	HCUSR2327 12361019
HC-ENG	SSB/AP
SEQN-	138400
FROM	JRG
JREF-	1USD2327Z01

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

K0740A-84 LUMBER STEWART -- FT. WHITE - 9-4 H4 CAP)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

1 lieu of structural panels or rigid ceiling use purlins to brace all
at TC @ 24" OC, all BC @ 24" OC.

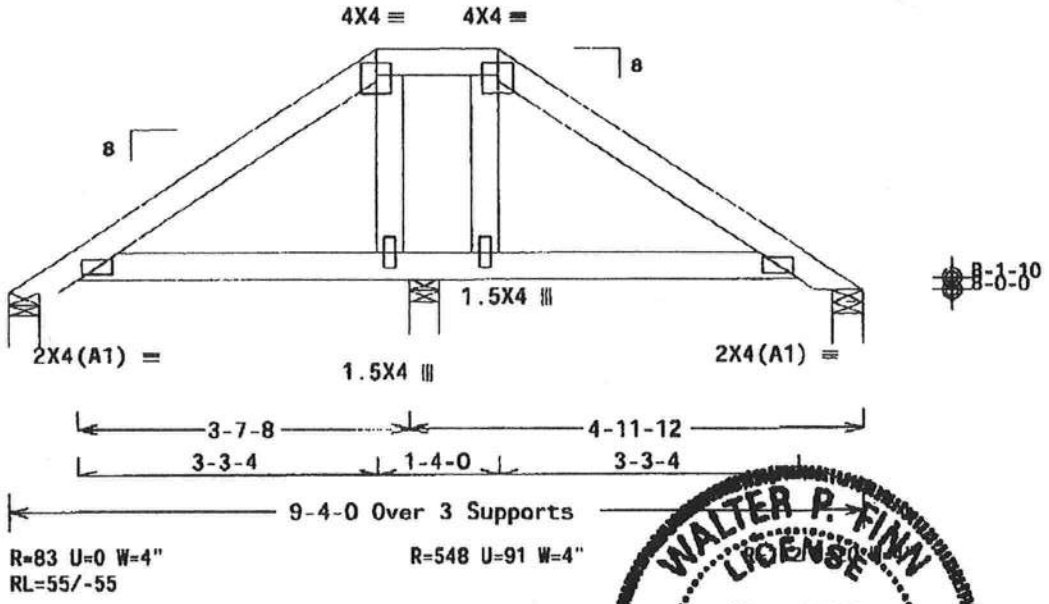
:fer to drawing PB160100212 for piggyback detail. Top chord of
ipporting truss under piggyback to be braced @ 24" O.C.,
ıless otherwise specified.

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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.



WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

Design Crit: FBC2010Res/TPI-2007(ST)
FT/RT=20%(0%)/10(0) 10.03.11 0809.21

_T TYP. Wave

FL/-/2/-/-/R/-

Scale =.5"/Ft.

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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TC LL	20.0 PSF	REF	R2327- 18021
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361020
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138401
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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

K0740A-84 LUMBER STEWART -- FT. WHITE - 9-4 H2 CAP)

)p chord 2x4 SP_#2_Dense__12A
)t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

umber grades designated with "12A" use design values approved
'5/2012 by ALSC.

1 lieu of structural panels or rigid ceiling use purlins to brace all
lat TC @ 24" OC, all BC @ 24" OC.

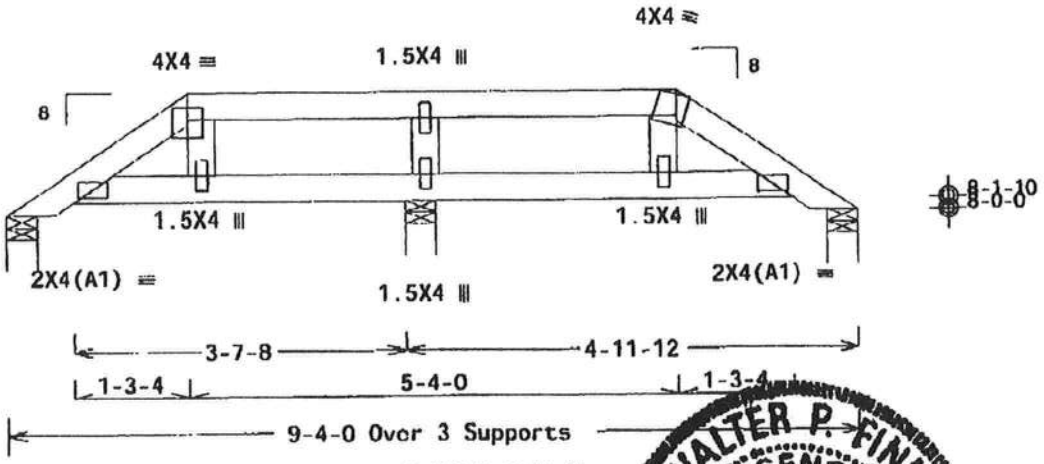
ɔfer to drawing PB160100212 for piggyback detail. Top chord of
ıpporting truss under piggyback to be braced @ 24" O.C.,
ıless otherwise specified.

140 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 B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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.



Design Crit: FBC2010Res/TPI-2007(ST
FT/RT=20%(0%)/10(0)

_T TYP. Wave

FL/-/2/-/-/R/-

Scale =.5"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R2327- 18022
DATE	12/26/12
DRW	HCUSR2327 12361018
HC-ENG	SSB/AP
SEQN-	138402
FROM	JRG
JREF-	1USD2327Z01

WALTER P. FINN LICENSE No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

ALPINE
A Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

K0740A-84 LUMBER STEWART -- FT. WHITE - 4-0 DORMER TRUSSES)

p chord 2x4 SP_#2_Dense__12A
t chord 2x4 SP_#2_Dense__12A
Webs 2x4 SP_#3__12A

mber grades designated with "12A" use design values approved
'5/2012 by ALSC.

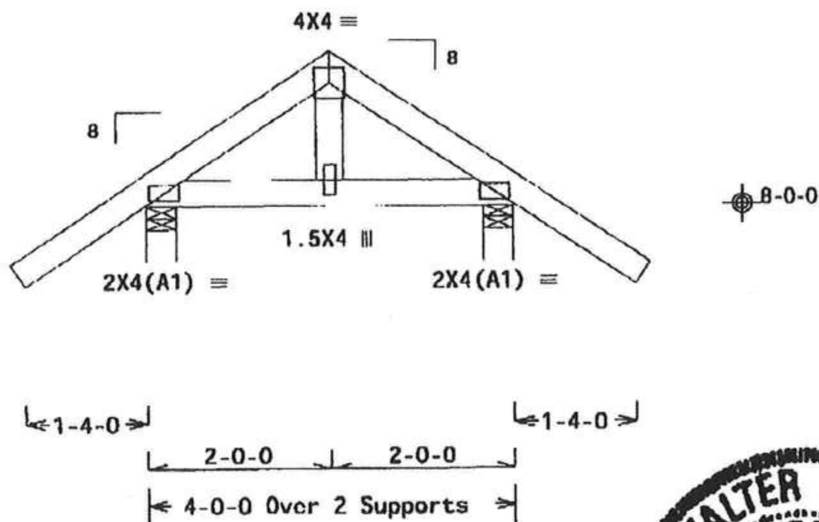
i lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

140 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=4.2 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

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

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



R=234 U=33 W=4"
RL=70/-70

R=234 U=33 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=20%(0%)/10(0)

10.03.11.0809.21

QTY:0 FL/-/2/-/-/R/-

Scale =.5"/Ft.

.T TYP. Wave

ALPINE
Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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WALTER P. FINN
LICENSE
No. 22839
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

12/26/2012

TC LL	20.0 PSF	REF	R2327- 18023
TC DL	7.0 PSF	DATE	12/26/12
BC DL	10.0 PSF	DRW	HCUSR2327 12361022
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	37.0 PSF	SEQN-	138403
DUR.FAC.	1.25	FROM	JRG
SPACING	24.0"	JREF-	1USD2327Z01

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.

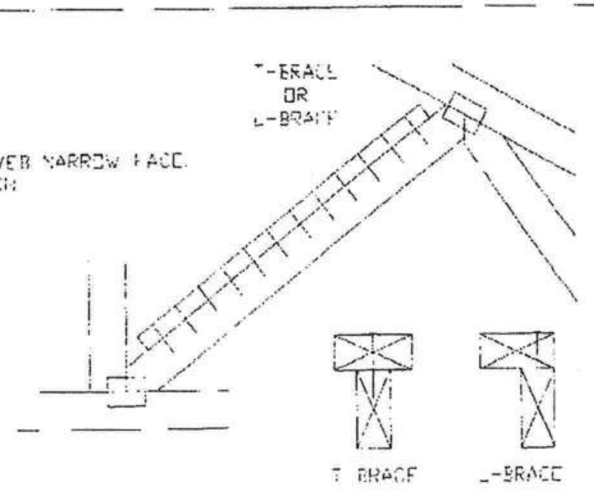
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

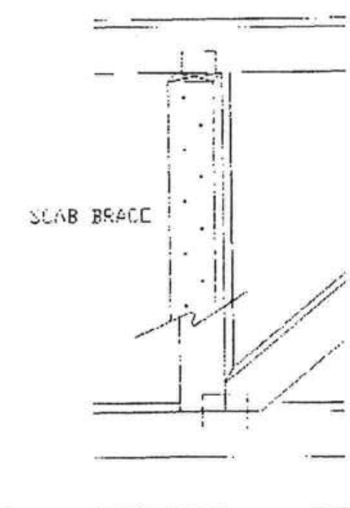
T-BRACING OR L-BRACING

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.



ITW Building Components Group Inc.

Earth City, MO 63045

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IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. 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 TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA [illegible] ASTM A653 grade [illegible] 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 solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW-BCG: www.itwbcg.com TPI: www.tpinst.org WTCA: www.sbcindustry.com ICC: www.iccsafe.org

WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012

Dec 26 '12

TC LL	PSF	REF	CLB SUBST
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

Gable Stud Reinforcement Detail

ASCE 7-10: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 120 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00
Or: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00
Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

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

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	#3
Stud	Stud
Standard	Standard

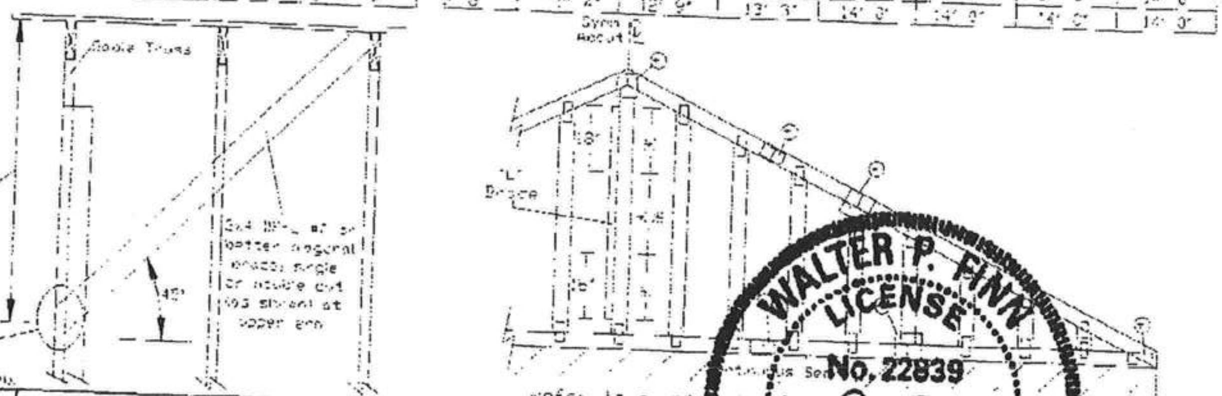
Group B

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch	Southern Pine***
#1	#1
#2	#2

1x4 Braces shall be SRB (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.



Diagonal brace option: vertical length may be doubled when diagonal brace is used. Connect diagonal brace for 450# at each end. Max web total length is 14'.

Gable Truss Detail Notes

Wind Load deflection criterion is L/240.

Provide uplift connections for 55 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, 2013 ruling.

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"	3X4

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

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

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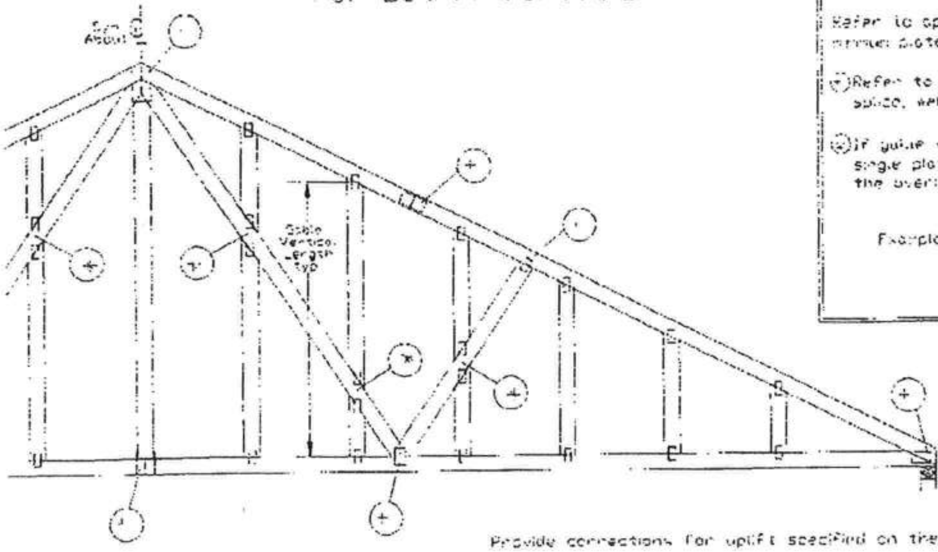
ITW Building Components Group Inc.
Earth City, MO 63045

WALTER P. FINN
LICENSE No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/26/2012
Dec 26 '12

REF	ASCE7-10-GAB14015
DATE	01/14/13
DRWG	A14015ENC100313
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

Gable Detail
For Let-in Verticals



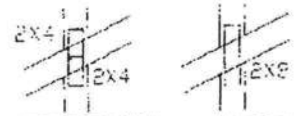
Gable Truss Plate Sizes

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

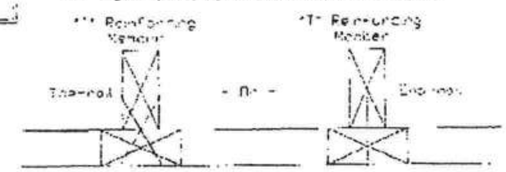
(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

(*) If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example:



"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:

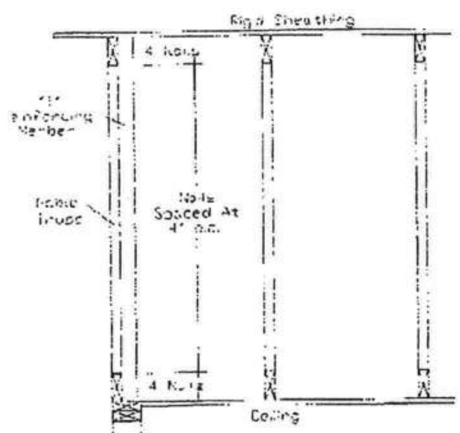
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 ft, Kzt = 1.00
Gable Vertical = 24"oc SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

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"x3",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
A13015980109, A12015980109, A11015980109, A10015980109,
A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 Gable Detail Drawings
A13015020109, A12015020109, A11015020109, A10015020109, A14015020109,
A13030020109, A12030020109, A11030020109, A10030020109, A14030020109

ASCE 7-05 Gable Detail Drawings
A13015050109, A12015050109, A11015050109, A10015050109, [illegible]
A13030050109, A12030050109, A11030050109, A1[illegible]

ASCE 7-10 Gable Detail Drawings
A11515ENC100212, A12015ENC100212, A1401[illegible]
A18015ENC100212, A20015ENC100212, A20[illegible]
A11530ENC100212, A12030ENC100212, A14[illegible]ENC100212, A16030ENC100212,
A18030ENC100212, A20030ENC100212, A2[illegible]ENC100212, A20030ENC100212

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

ITW Building Components Group Inc.
Earth City, MO 63045

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WALTER P. FINN
LICENSE
No. 22839
STATE OF FLORIDA
PROFESSIONAL ENGINEER

12/26/2012

Dec 26 '12

MAX. TOT. LD. 60 PSF
DUR. FAC. ANY
MAX. SPACING 24.0"

REF LET-IN VERT
DATE 8/15/12
DRWG GBLLETIN0212

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

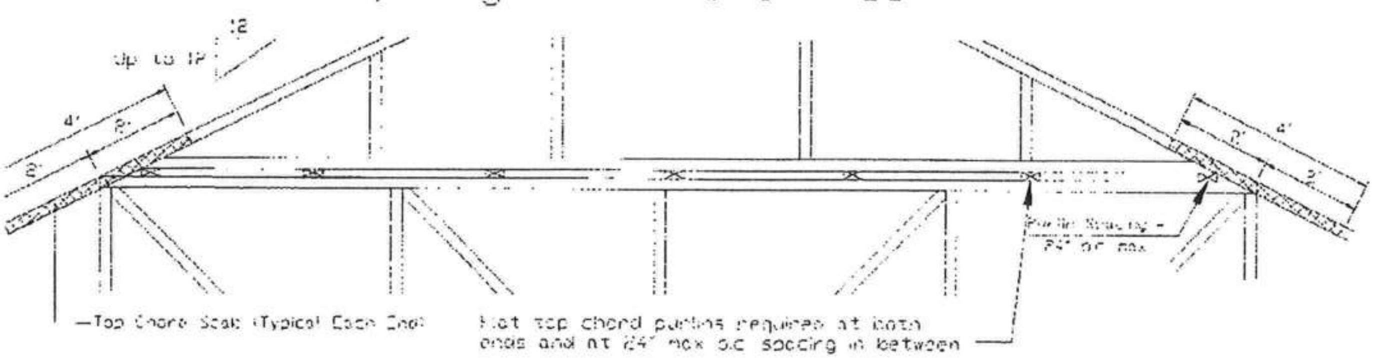
160 mph Wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0
Or 140 mph wind, 30.00 ft Mean Hgt, ASCE 7-10, Enclosed Bldg located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0

Note: Top chords of trusses supporting piggyback top 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 top supports additional loads such as cupola, steeple, chimney or drag strut loads.

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

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



Piggyback top 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.

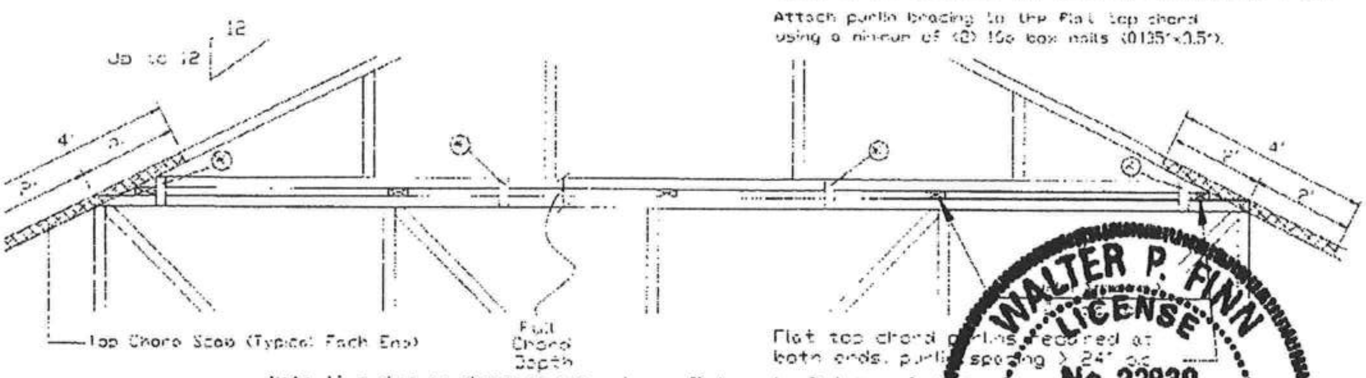
Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5")

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 top TC & (4) into base truss TC or (1) 2RPB wave piggyback plate mated 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.

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

Piggyback top 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 a minimum of (2) 16d box nails (0.135"x3.5").



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.

* 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 longer chord members. Attach to each face @ 8" o.c. with (4) 0.120"x1.375" nails into top 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) 6d common (0.113"x2") nails per gusset, (4) in top 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 top bottom chord and (3) in base truss top chord. Scabs may be staggered 4" o.c. front to back faces.

2RPB Wave Piggyback Plate
One 2RPB wave piggyback plate to each face @ 8" o.c. Attach teeth 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.

ITW Building Components Group Inc.
Earth City, MO 63045

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WALTER P. FINN LICENSE No. 22839 STATE OF FLORIDA PROFESSIONAL ENGINEER

12/26/2012
Dec 26 '12

REF	PIGGYBACK
DATE	2/14/12
DRWG	PB160101012P
SPACING	24.0"

FL # Single 1425.2

PLY GEM WINDOWS

BUILDER SERIES 1111 VINYL TILT SH WINDOW

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. *INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.*
4. FOR INSTALLATION THROUGH 2X BUCK USE *#8* WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE *1 1/2* INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH 2X BUCK USE *5d ROOFING NAIL* OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. RECOMMENDED NAIL HEAD DIAMETER TO BE AT LEAST 0.375".
6. FOR INSTALLATION THROUGH STEEL STUD USE *#8* SELF TAPPING SCREW OR EQUIVALENT OF SUFFICIENT LENGTH TO ACHIEVE *3 THREADS* MINIMUM ENGAGEMENT THROUGH STEEL FRAME SUBSTRATE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING
9. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
    B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI - MINIMUM WALL THICKNESS OF 33 MILS.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, EXCLUDING HVHZ.
   - *AAMA/NWWDA 101/I.S.2-97*
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE
6. WINDOW FRAME MATERIAL: PVC
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS SEE SHEET 4 FOR GLAZING DETAILS
8. *DESIGNATIONS 'X' AND 'O' STAND FOR THE FOLLOWING:*
   X: OPERABLE PANEL
   O: FIXED PANEL

TABLE OF CONTENTS

SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATION & ANCHOR LAYOUT
3	-	VERTICAL SECTIONS
4	-	HORIZONTAL SECTIONS & GLAZING DETAIL
5	-	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING

GLAZE TYPE	DESIGN PRESSURE	MISSLE IMPACT RATING
1	+40/-40 PSF	NOT RATED

PLY GEM WINDOWS
433 N. MAIN ST., PO BOX 559,
ROCKY MOUNT, VA 24151
PH: 540-484-8348 FX: 540-484-6683

TITLE: SERIES 1111 VINYL TILT SH INSTALLATION & GENERAL NOTES

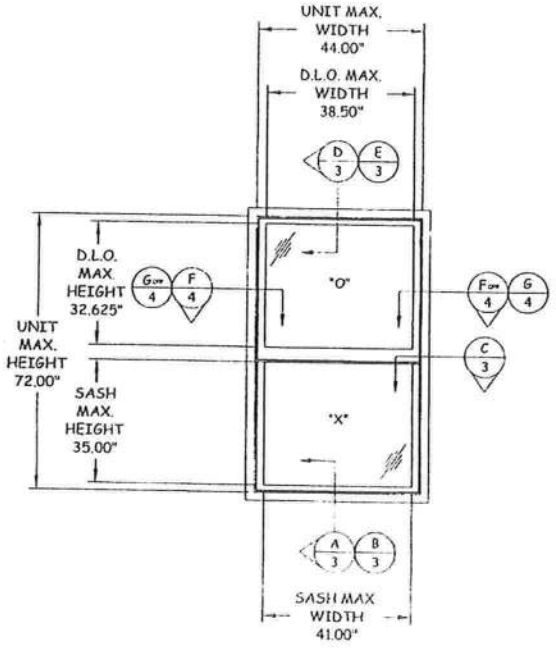
PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

NO.	DESCRIPTION	BY	DATE
	REVISIONS		

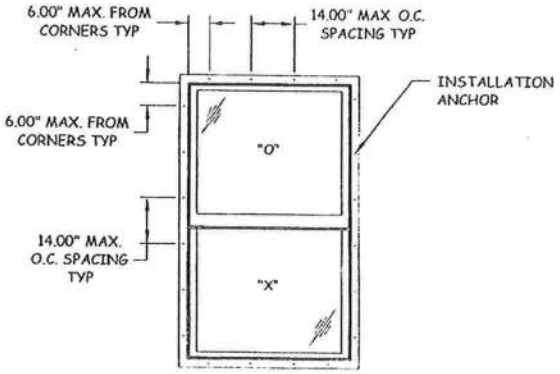
DATE: 10-11
DRAWN BY: ASS
CHK BY: AN
SCALE: NTS

DWG #: PGW045

SHEET 1 OF 5



ELEVATION



ANCHOR LAYOUT
FIN

PLY GEM WINDOWS
433 N MAIN ST., PO BOX 559,
ROCKY MOUNT, VA 24151
PH 540-484-5348 FX 540 484 6683

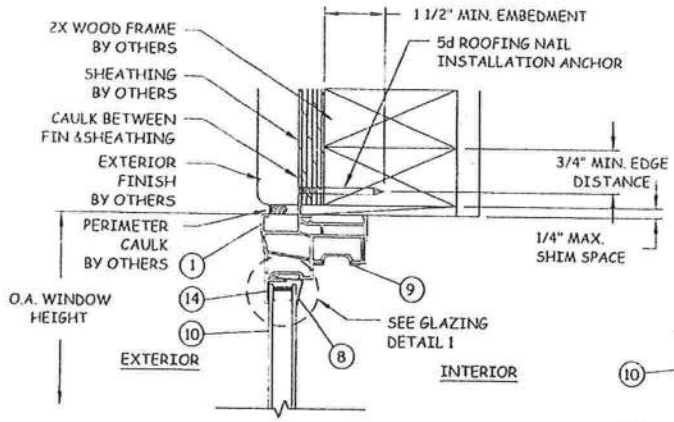
TITLE: SERIES 1111 VINYL TILT SH ELEVATION & ANCHOR LAYOUT

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-9757 FX: (407) 644 2386

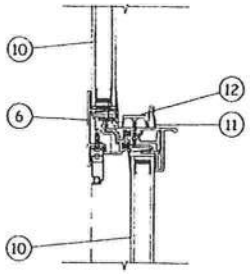
REVISIONS

NO.	DESCRIPTION	BY	DATE

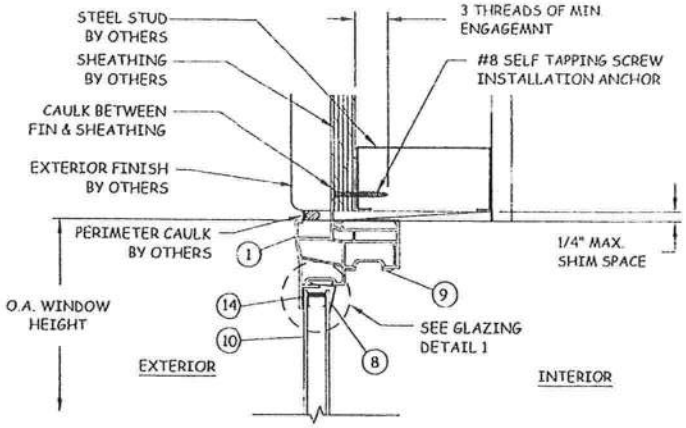
DATE: 10.11
DWN BY: MSS
CHK BY: HN
SCALE: NTS
DWG #: PGW045
SHEET: 2 OF 5



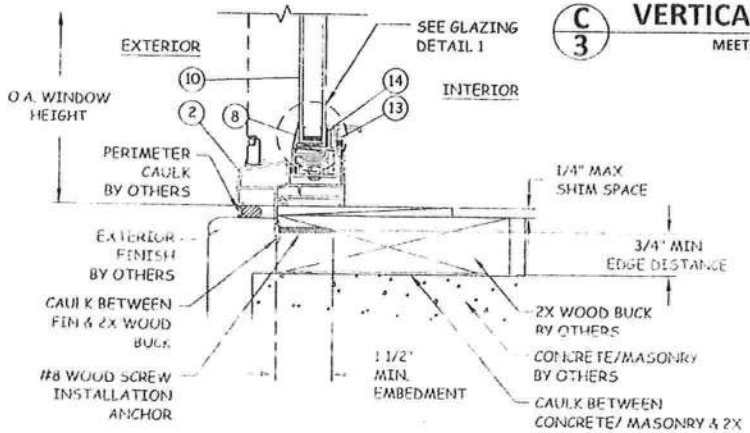
D/3 VERTICAL SECTION
HEAD - 2X WOOD FRAME
FIN INSTALLATION



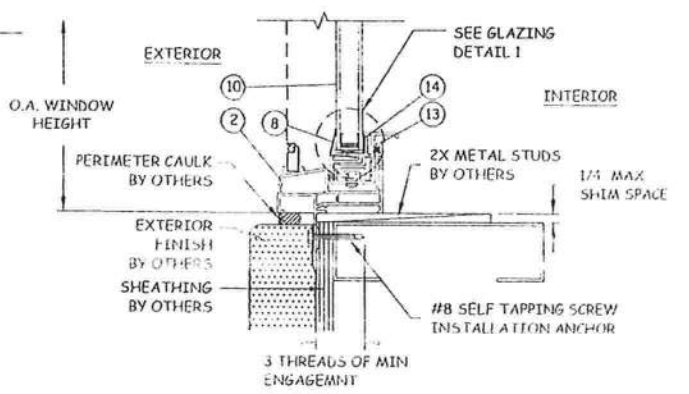
C/3 VERTICAL SECTION
MEETING RAIL



E/3 VERTICAL SECTION
HEAD - STEEL STUD
FIN INSTALLATION



A/3 VERTICAL SECTION
SILL - 2X WOOD BUCK
FIN INSTALLATION



B/3 VERTICAL SECTION
SILL - STEEL STUD
FIN INSTALLATION

PLY GEM WINDOWS
433 N. MAIN ST., PO BOX 559,
ROCKY MOUNT, VA 24151
PH: 540-484-6348 FX: 540 484 6683

TITLE:
SERIES 1111 VINYL TILT SH
VERTICAL SECTIONS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

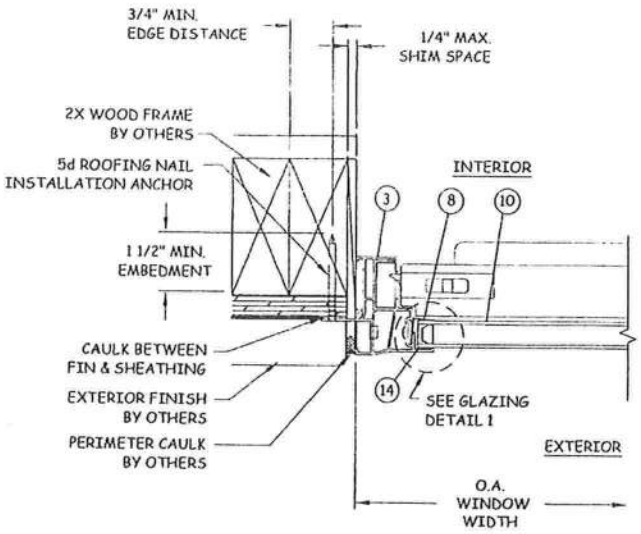
REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 10.11
DWN BY: WSS
CHK BY: HN
SCALE:

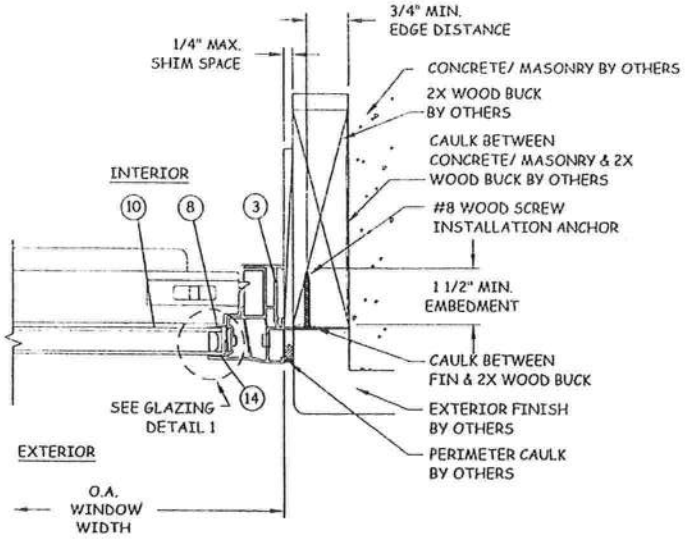
DWG #:
PGW045

SHEET 3 OF 5



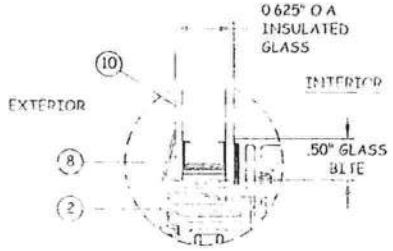
F/4 HORIZONTAL SECTION

JAMB - 2X WOOD FRAME
FIN INSTALLATION



G/4 HORIZONTAL SECTION

JAMB - 2X WOOD BUCK
FIN INSTALLATION



GLAZING DETAIL 1

NOTE
GLASS THICKNESS AND TYPE MAY VARY. SEE [illegible] REQUIREMENT GLASS CHARTS.

PLY GEM

433 E. MAIN ST. PO BOX 559
ROCKY MOUNT, VA 24151
PH: 540.484.8615 FX: 540.484.8683

TITLE:
SERIES 1111 VINYL TILT SH
HORIZONTAL SECTIONS
& GLAZING DETAIL

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

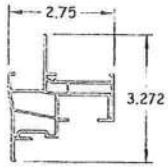
DATE: 10.11
DWN BY: MSS
CK BY: HN
SCALE: NTS

DWG # PGW045

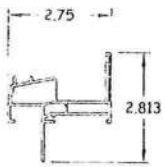
SHEET 4 OF 5

BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME HEAD	PVC	PLY GEM WINDOWS
2	FRAME SILL	PVC	PLY GEM WINDOWS
3	FRAME JAMB	PVC	PLY GEM WINDOWS
4	SASH TOP RAIL	PVC	PLY GEM WINDOWS
5	SASH BOTTOM RAIL	PVC	PLY GEM WINDOWS
6	FRAME FIXED MEETING RAIL	PVC	PLY GEM WINDOWS
7	SASH JAMB RAIL	PVC	PLY GEM WINDOWS
8	GLAZING BEAD	PVC	PLY GEM WINDOWS
9	SILL TRACK	PVC	PLY GEM WINDOWS
10	5/8" INSULATED GLASS		
11	SWEEP LATCH LOCK		
12	SWEEP LATCH KEEPER		
13	Q-LOCK WEATHERSTRIP		
14	GLAZING COMPOUND	SILICONE	

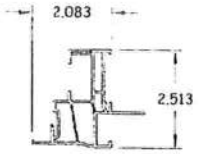
(1) FRAME HEAD
PVC



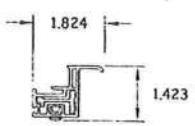
(2) FRAME SILL
PVC



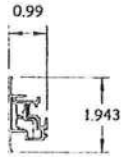
(3) FRAME JAMB
PVC



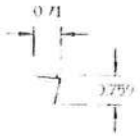
(5) SASH BOTTOM RAIL
PVC



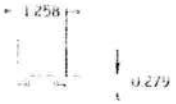
(6) FRAME FIXED MEETING RAIL
PVC



(8) GLAZING BEAD
PVC



(9) SILL TRACK
PVC



PLY GEM WINDOWS

433 N. MAIN ST. PO BOX 559
ROCKY MOUNT, VA 24151

PH 540-484-5348 FX 540-484-6683

TITLE:
SERIES 1111 VINYL TILT SH
COMPONENTS &
BILL OF MATERIALS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 10.11
DWN BY: MSS
CHK BY: HN
SCALE: NTS

DWG #:
PGW045

SHEET 5 OF 5

FL# Twin 14863.1

PLY GEM WINDOWS

BUILDER SERIES 1111

TWIN SINGLE HUNG VINYL PRIME WINDOW

INSTALLATION NOTES

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. *INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.*
4. FOR INSTALLATION THROUGH 2X BUCK USE *#8 WOOD SCREWS* OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH 2X BUCK USE *5d ROOFING NAIL OR 8D COMMON NAIL* OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. RECOMMENDED NAIL HEAD DIAMETER TO BE AT LEAST 0.375".
6. FOR INSTALLATION THROUGH STEEL STUD USE *#8 TEK SCREW* OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM ENGAGEMENT BEYOND STEEL FRAME SUBSTRATE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55
    B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI, MINIMUM WALL THICKNESS OF [illegible]

GENERAL NOTES

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, EXCLUDING HVHZ.
   - *AAMA/WDMA/CSA 101/I.S.2/A440-05*
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE
6. WINDOW FRAME MATERIAL: VINYL
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAIL.
8. *DESIGNATION [illegible] FOLLOWING*
   X: OPERABLE PANEL
   O: FIXED PANEL

TABLE OF CONTENTS		
SHEET	REVISION	SHEET DESCRIPTION
1	-	INSTALLATION & GENERAL NOTES
2	-	ELEVATION, ANCHOR LAYOUT & PRESSURE CHARTS
3	-	VERTICAL SECTIONS
4	-	HORIZONTAL SECTIONS & GLAZING DETAIL
5	-	COMPONENTS & BILL OF MATERIALS

DESIGN PRESSURE RATING			
GLAZE TYPE	SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
1	79.5" x 65.5"	+40/-45 PSF	NON-IMPACT

Digitally signed by Alex Spyrou
Reason: I am approving this document
Date: 2011.08.25 09:10:34 -04'00'

PLY GEM
433 N. MAIN ST., PO BOX 559
ROCKY MOUNT, VA 24151
PH: 540-484-6345 FX: 540-484-6683

TITLE:
BUILDER SERIES 1111 SH INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

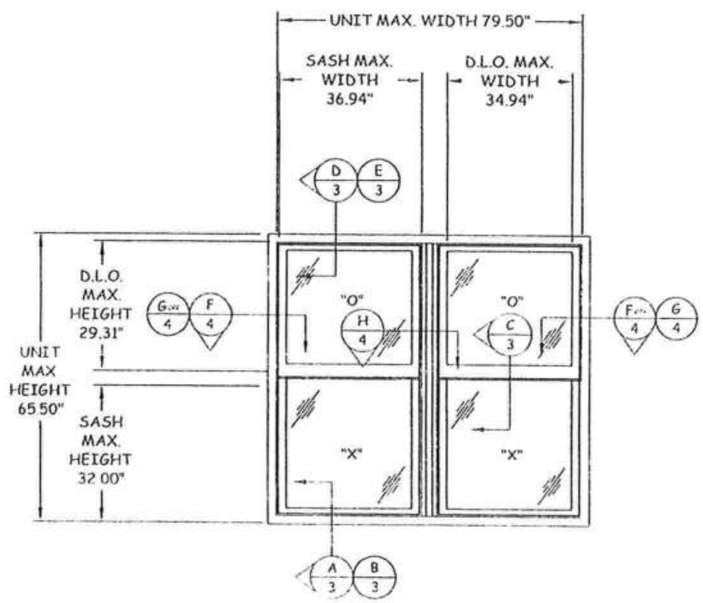
REVISIONS

NO.	DESCRIPTION	BY	DATE

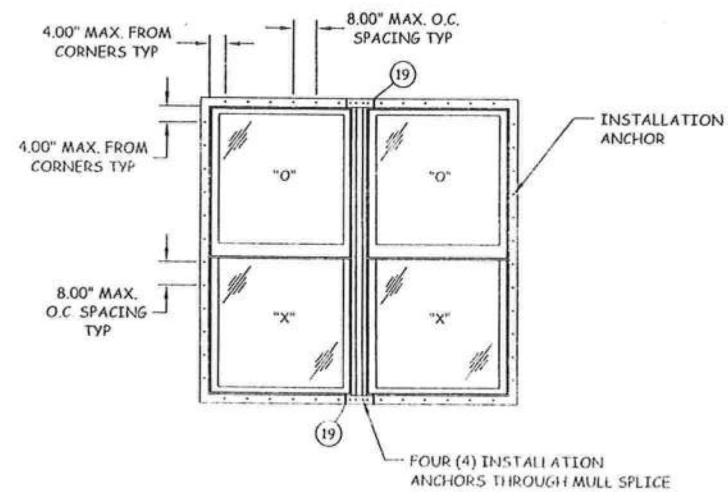
DATE:	DWN BY:	CHK BY:	SCALE:
8.11.11	MS	[illegible]	NTS

DWG #: PGW071

SHEET: 1 OF 5



ELEVATION



ANCHOR LAYOUT
FIN

PLY GEM
433 N MAIN ST. PO BOX 559, ROCKY MOUNT, VA 24151
PH 540-484-6348 FX 540-484-6683

TITLE: BUILDER SERIES 1111 SH ELEVATION & ANCHOR LAYOUT

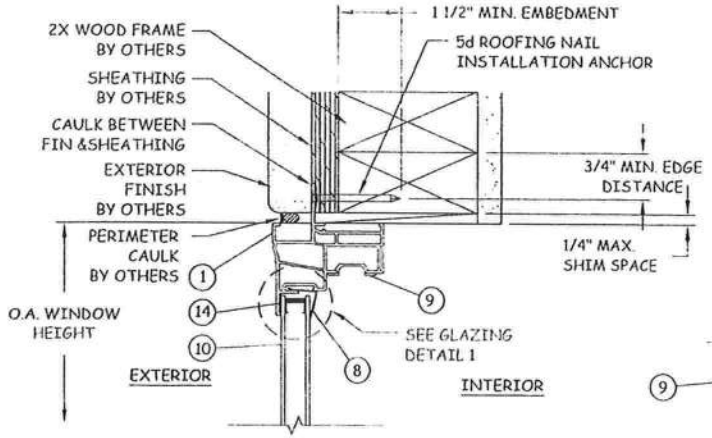
PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

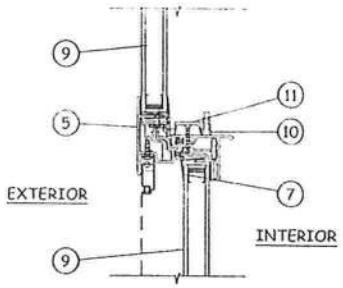
NO.	DESCRIPTION	BY	DATE

DATE: 8 [illegible] 11
DWN. BY: [illegible]
CHK. BY: [illegible]
SCALE: [illegible]

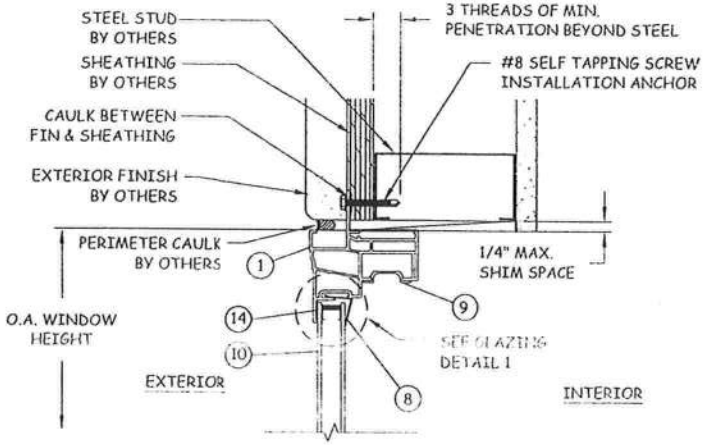
DWG # PGW071
SHEET 2 OF 5



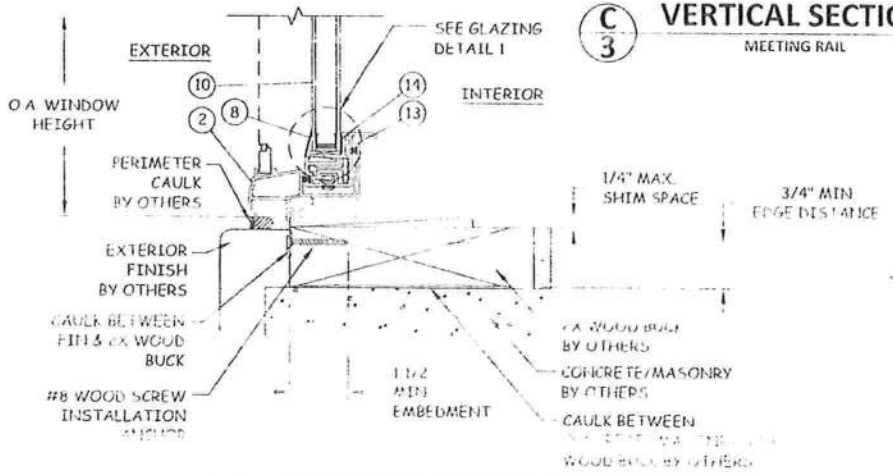
D/3 VERTICAL SECTION
HEAD - 2X WOOD FRAME FIN INSTALLATION



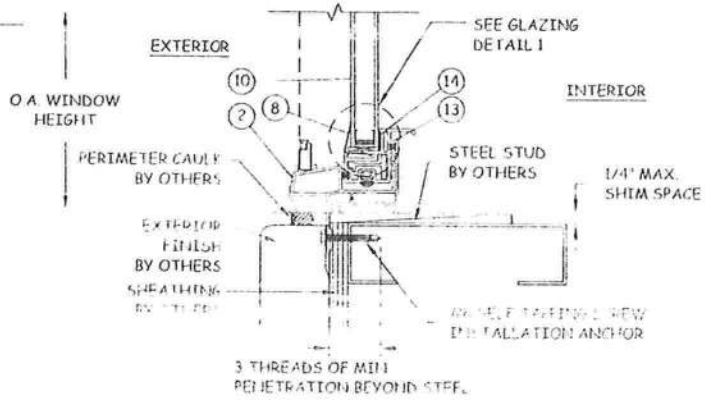
C/3 VERTICAL SECTION
MEETING RAIL



E/3 VERTICAL SECTION
HEAD - STEEL STUD FIN INSTALLATION



A/3 VERTICAL SECTION
SILL 2X WOOD BUCK FIN INSTALLATION



B/3 VERTICAL SECTION
SILL STEEL STUD FIN INSTALLATION

PLY GEM

433 N MAIN ST PO BOX 559
ROCKY MOUNT, VA 24151

PH 540-484-5348 FX 540-484-6653

TITLE: BUILDER SERIES 1111 SH VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-2366 FX (407) 644-2366

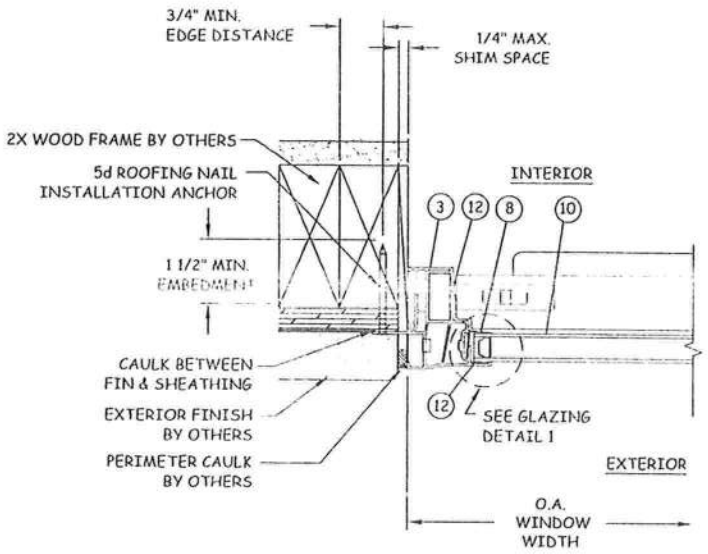
REVISIONS

NO	DESCRIPTION	BY	DATE

DATE: 8-11
DWG BY: A.S.
CHK BY:
SCALE: N.T.S.

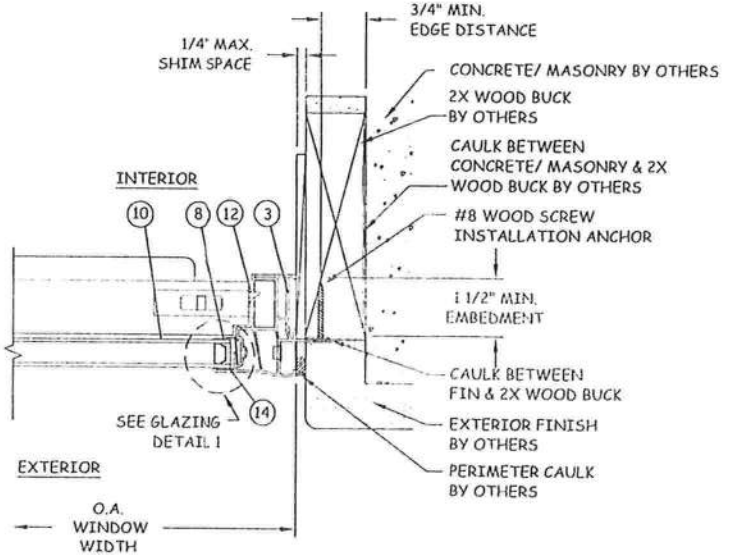
DWG # PGW071

SHEET 3 OF 5



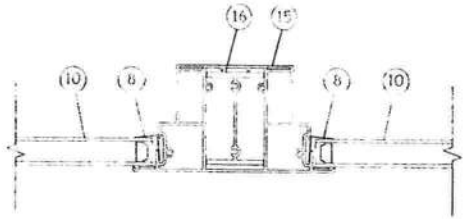
F/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD FRAME
FIN INSTALLATION



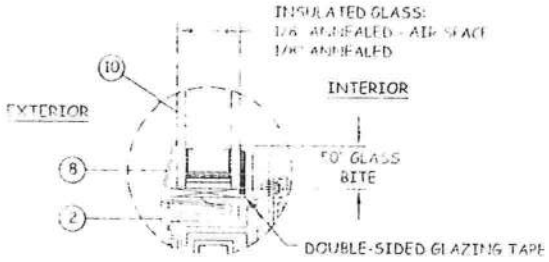
G/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD BUCK
FIN INSTALLATION



H/4 **HORIZONTAL SECTION**

1111-2 MULLION
DIE # 7910



GLAZING DETAIL 1

PLY GEM

433 N MAIN ST PO BOX 559,
ROCKY MOUNT, VA 24151

PH 540-484-6348 FX 540 484-6683

TITLE: BUILDER SERIES 1111 SH HORIZONTAL SECTIONS & GLAZING DETAIL

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-2367 FX (407) 644-2366

REVISIONS

NO	DESCRIPTION	BY	DATE

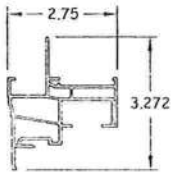
DWG #: PGW071

SHEET 4 OF 5

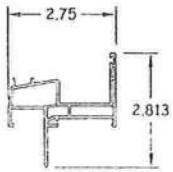
BILL OF MATERIALS

ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME HEAD	PVC	PLY GEM
2	FRAME SILL	PVC	PLY GEM
3	FRAME JAMB	PVC	PLY GEM
4	SASH TOP RAIL	PVC	PLY GEM
5	SASH BOTTOM RAIL	PVC	PLY GEM
6	FRAME FIXED MEETING RAIL	PVC	PLY GEM
7	SASH JAMB RAIL	PVC	PLY GEM
8	GLAZING BEAD	PVC	PLY GEM
9	SILL TRACK	PVC	PLY GEM
10	INSULATED GLASS		
11	SWEEP LATCH LOCK		
12	SWEEP LATCH KEEPER		
13	Q-LOCK WEATHERSTRIP		
14	GLAZING COMPOUND		
15	MULLION	PVC	PLY GEM
16	MULLION REINFORCEMENT	6063-T6 AL	PLY GEM
17	SASH REINFORCEMENT	6063-T5 AL	PLY GEM
18	MEETING RAIL REINFORCEMENT	6063-T6 AL	PLY GEM
19	MULL SPLICE	6063-T5 AL	PLY GEM

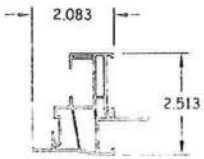
1 FRAME HEAD
PVC



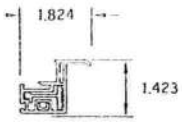
2 FRAME SILL
PVC



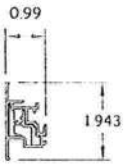
3 FRAME JAMB
PVC



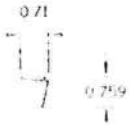
5 SASH BOTTOM RAIL
PVC



6 FRAME FIXED MEETING RAIL
PVC

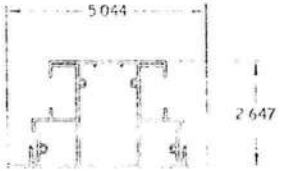


8 GLAZING BEAD
PVC

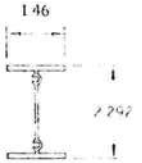


9 SILL TRACK
PVC

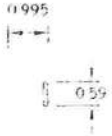
15 MULLION
PVC



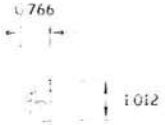
16 MULLION REINFORCEMENT
6063-T6 ALUMINUM



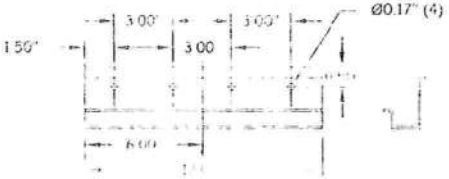
17 SASH REINFORCEMENT
6063-T5 ALUMINUM



18 MEETING RAIL REINFORCEMENT
6063-T6 ALUMINUM



19 MULL SPLICE
6063-T5 ALUMINUM



PLY GEM

433 N. MAIN ST., PO BOX 559,
ROCKY MOUNT, VA 24151

PH 540-484-6348 FX 540-484-6683

TITLE: BUILDER SERIES 1111 SH
COMPONENTS & BOM

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

DWG #: PGW071

SHEET 5 OF 5

FL # Single 1425.2

PLY GEM WINDOWS

BUILDER SERIES 1111 VINYL TILT SH WINDOW

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. *INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.*
4. FOR INSTALLATION THROUGH 2X BUCK USE *#8* WOOD SCREW OF SUFFICIENT LENGTH TO ACHIEVE *1 1/2* INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH 2X BUCK USE *5d ROOFING NAIL* OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. RECOMMENDED NAIL HEAD DIAMETER TO BE AT LEAST 0.375".
6. FOR INSTALLATION THROUGH STEEL STUD USE *#8* SELF TAPPING SCREW OR EQUIVALENT OF SUFFICIENT LENGTH TO ACHIEVE *3 THREADS* MINIMUM ENGAGEMENT THROUGH STEEL FRAME SUBSTRATE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF *0.55*.
    B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI, MINIMUM WALL THICKNESS OF 33 MILS.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, EXCLUDING HVHZ.
   - *AAMA/NWWDA 101/I.S.2-97*
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: PVC
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS SEE SHEET 4 FOR GLAZING DETAILS.
8. *DESIGNATIONS "X" AND "O" STAND FOR THE FOLLOWING:*
   X. OPERABLE PANEL
   O. FIXED PANEL

TABLE OF CONTENTS

DESIGN PRESSURE RATING

GLAZE TYPE	DESIGN PRESSURE	MISSLE IMPACT RATING
1	+40/-40 PSF	NOT RATED

PLY GEM WINDOWS
433 S. MAIN ST., PO BOX 559, ROCKY MOUNT, VA 24151
PH 540-484-5348 FX 540-484-6683

TITLE: SERIES 1111 VINYL TILT SH INSTALLATION & GENERAL NOTES

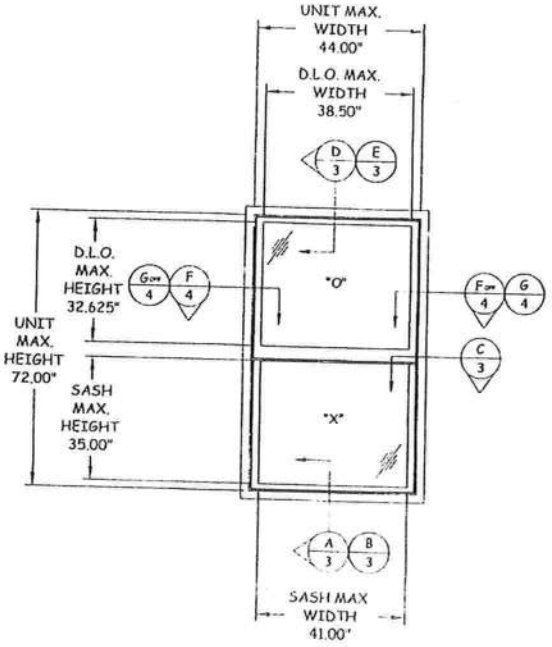
PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

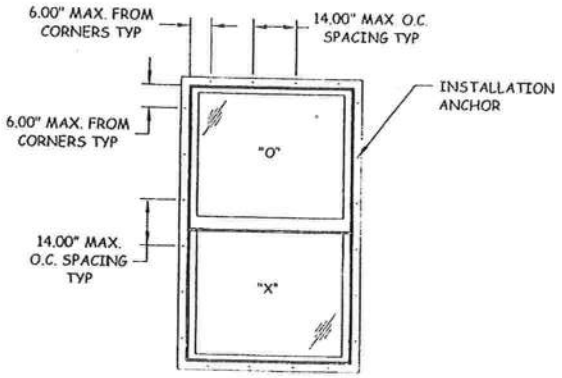
NO.	DESCRIPTION	BY	DATE

DATE: 10.11
DRAWN BY: ASS
CHK BY: IN
SCALE: NTS

DWG #: PGW045



ELEVATION



ANCHOR LAYOUT
FIN

PLY GEM WINDOWS
433 N MAIN ST., PO BOX 599, ROCKY MOUNT, VA 24151
PH 540-484-5348 FX 540 484 6683

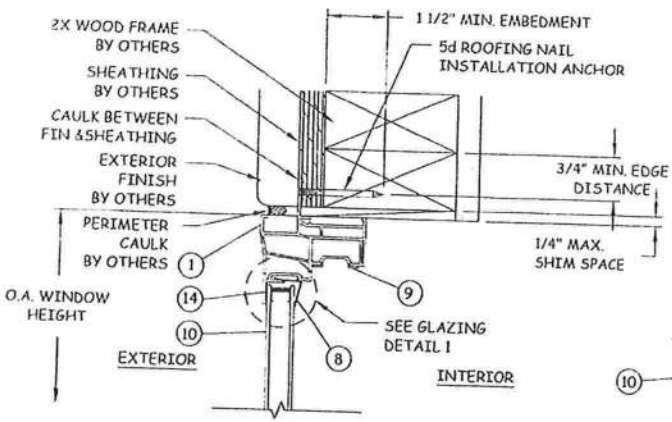
TITLE: SERIES 1111 VINYL TILT SH ELEVATION & ANCHOR LAYOUT

PREPARED BY: CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

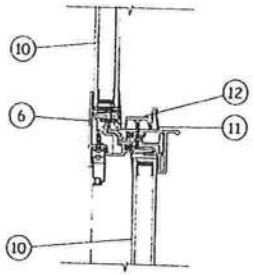
REVISIONS

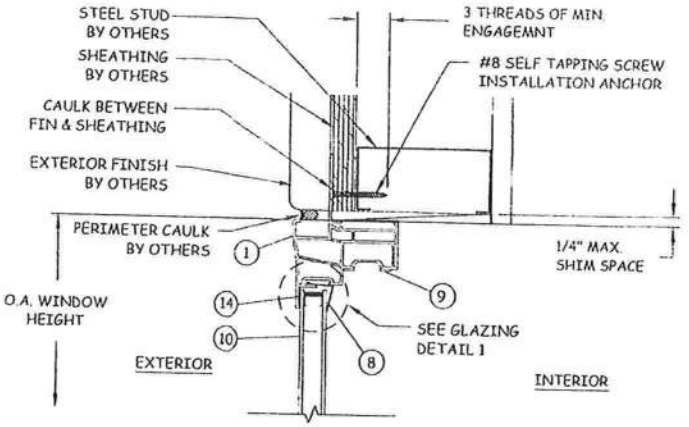
NO.	DESCRIPTION	BY	DATE

DATE: 10.11
DWN BY: MSS
CHK BY: HN
SCALE: NTS
DWG #: PGW045
SHEET: 2 OF 5



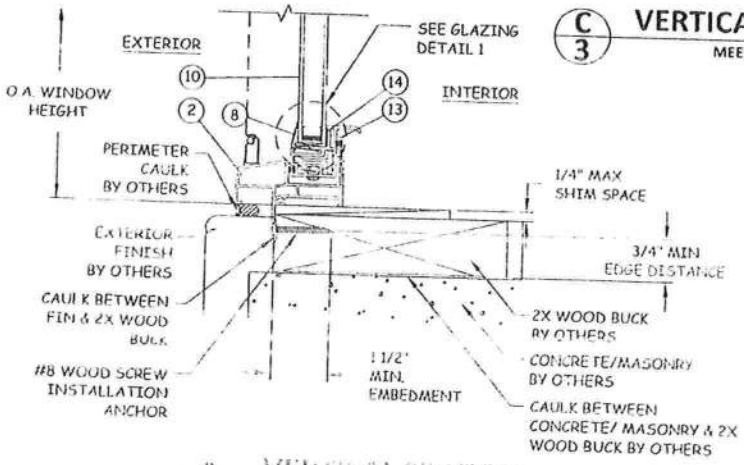
D/3 VERTICAL SECTION
HEAD - 2X WOOD FRAME
FIN INSTALLATION



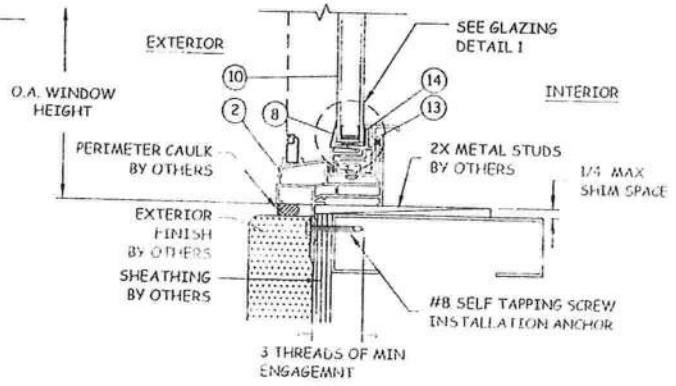


E/3 VERTICAL SECTION
HEAD - STEEL STUD
FIN INSTALLATION

C/3 VERTICAL SECTION
MEETING RAIL



A/3 VERTICAL SECTION
SILL - 2X WOOD BUCK
FIN INSTALLATION



B/3 VERTICAL SECTION
SILL - STEEL STUD
FIN INSTALLATION

PLY GEM WINDOWS
433 N. MAIN ST., PO BOX 559
ROCKY MOUNT, VA 24151
PH: 540-484-6348 FX: 540 484 6683

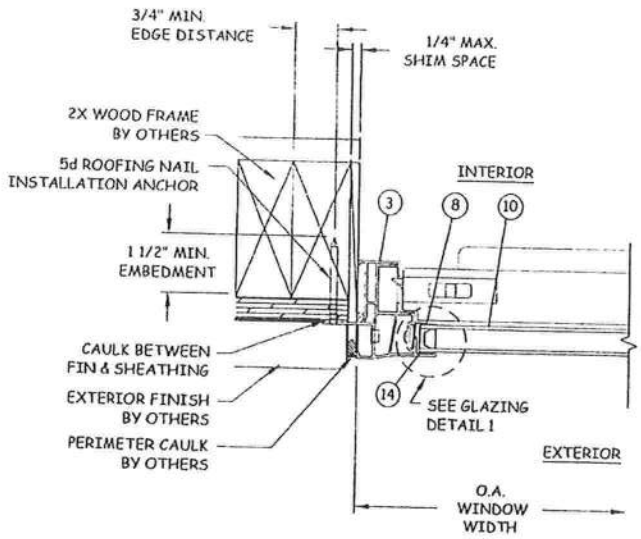
TITLE: SERIES 1111 VINYL TILT SH
VERTICAL SECTIONS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-4957 FX: (407) 644-2366

REVISIONS

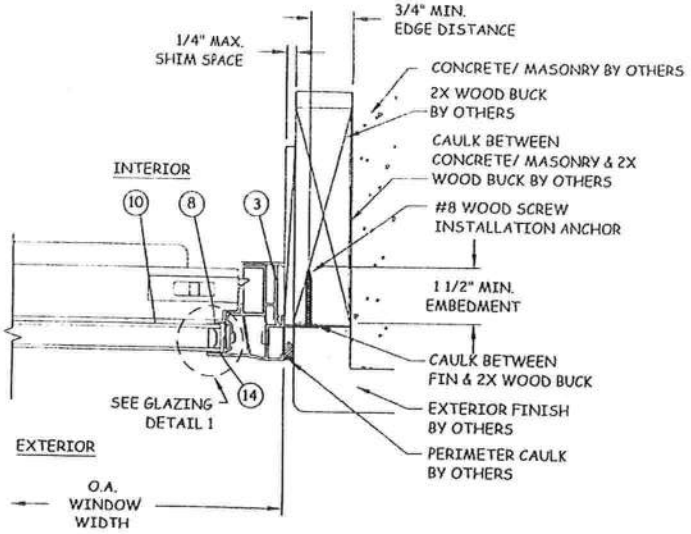
NO.	DESCRIPTION	BY	DATE

DATE: 10.11
DWN BY: WSS
CHK BY: HN
SCALE:
DWG #: PGW045
SHEET: 3 OF 5



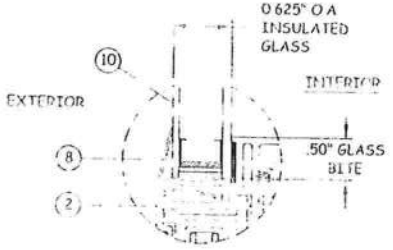
F/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD FRAME
FIN INSTALLATION



G/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD BUCK
FIN INSTALLATION



GLAZING DETAIL 1

NOTE
GLASS THICKNESS AND TYPE
[illegible]
REQUIREMENT GLASS
CHARTS.

PLY GEM WINDOWS

433 N. MAIN ST. PO BOX 559
ROCKY MOUNT, VA 24151

PH: 540.484.6148 FX: 540.484.6683

TITLE:
SERIES 1111 VINYL TILT SH
HORIZONTAL SECTIONS
& GLAZING DETAIL

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 10 11
DWN BY: MSS
CK BY: HN
SCALE: NTS

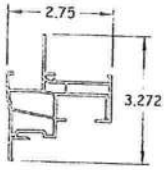
DWG #:
PGW045

SHEET 4 OF 5

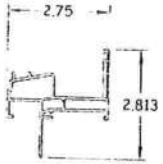
BILL OF MATERIALS

ITEM NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME HEAD	PVC	PLY GEM WINDOWS
2	FRAME SILL	PVC	PLY GEM WINDOWS
3	FRAME JAMB	PVC	PLY GEM WINDOWS
4	SASH TOP RAIL	PVC	PLY GEM WINDOWS
5	SASH BOTTOM RAIL	PVC	PLY GEM WINDOWS
6	FRAME FIXED MEETING RAIL	PVC	PLY GEM WINDOWS
7	SASH JAMB RAIL	PVC	PLY GEM WINDOWS
8	GLAZING BEAD	PVC	PLY GEM WINDOWS
9	SILL TRACK	PVC	PLY GEM WINDOWS
10	5/8" INSULATED GLASS		
11	SWEEP LATCH LOCK		
12	SWEEP LATCH KEEPER		
13	Q-LOCK WEATHERSTRIP		
14	GLAZING COMPOUND	SILICONE	

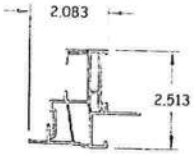
1 FRAME HEAD
PVC



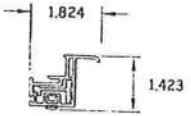
2 FRAME SILL
PVC



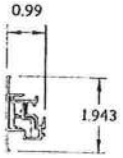
3 FRAME JAMB
PVC



5 SASH BOTTOM RAIL
PVC

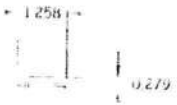


6 FRAME FIXED MEETING RAIL
PVC



8 GLAZING BEAD
PVC

9 SILL TRACK
PVC



PLY GEM WINDOWS

433 N. MAIN ST., PO BOX 559
ROCKY MOUNT, VA 24151

PH 540-484-5346 FX 540-484-6683

TITLE:
SERIES 1111 VINYL TILT SH
COMPONENTS &
BILL OF MATERIALS

PREPARED BY:
CERTWORKS, LLC
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE 10 11
DWN BY: MSS
CHK BY: HN
SCALE NTS

DWG # PGW045

SHEET 5 OF 5

FL# Twin 14863.1

PLY GEM WINDOWS

BUILDER SERIES 1111

TWIN SINGLE HUNG VINYL PRIME WINDOW

INSTALLATION NOTES:

1. *ONE (1)* INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. *INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.*
4. FOR INSTALLATION THROUGH 2X BUCK USE *#8 WOOD SCREWS* OF SUFFICIENT LENGTH TO ACHIEVE *1 1/2* INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
5. FOR INSTALLATION THROUGH 2X BUCK USE *5d ROOFING NAIL OR 8D COMMON NAIL* OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE. RECOMMENDED NAIL HEAD DIAMETER TO BE AT LEAST 0.375".
6. FOR INSTALLATION THROUGH STEEL STUD USE *#8 TEK SCREW* OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM ENGAGEMENT BEYOND STEEL FRAME SUBSTRATE.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55
    B. STEEL - MINIMUM YIELD STRENGTH OF 33 KSI. MINIMUM WALL [illegible]

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 FLORIDA BUILDING CODE, EXCLUDING HVHZ.
   - *AAMA/WDMA/CSA 101/I.S.2/A440 05*
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED TO PROTECT THIS PRODUCT IN AN AS REQUIRING IMPACT RESISTANCE
6. WINDOW FRAME MATERIAL: VINYL
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET [illegible]
8. *DESIGNATION [illegible] FOLLOWING*
   X: OPERABLE PANEL
   O: FIXED PANEL

DESIGN PRESSURE RATING			
GLAZE TYPE	SIZE	DESIGN PRESSURE	MISSILE IMPACT RATING
1	79.5" x 65.5"	+40/-45 PSF	NON-IMPACT

Digitally signed by Alex Spyrou
Reason: I am approving this document
Date: 2011.08.25 09:10:34 -04'00'

PLY GEM

433 N. MAIN ST., PO BOX 559, ROCKY MOUNT, VA 24151

PH: 540-484-6348 FX: 540-484-6683

TITLE: BUILDER SERIES 1111 SH INSTALLATION & GENERAL NOTES

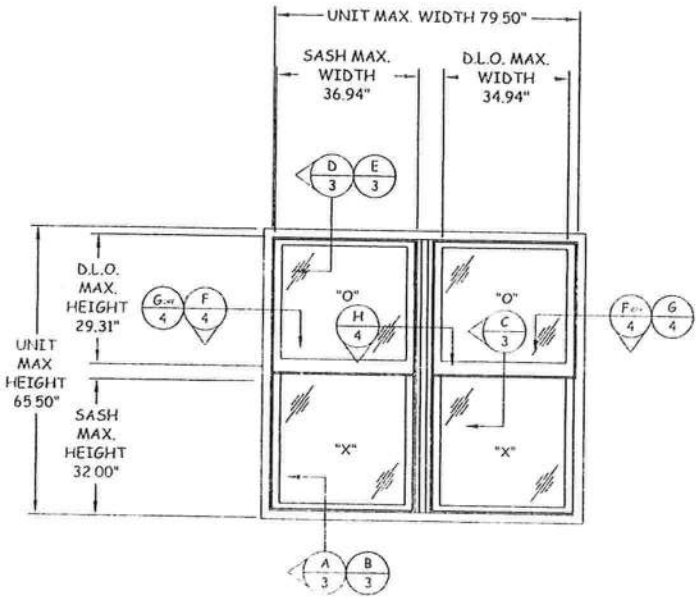
REVISIONS			
NO.	DESCRIPTION	BY	DATE

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

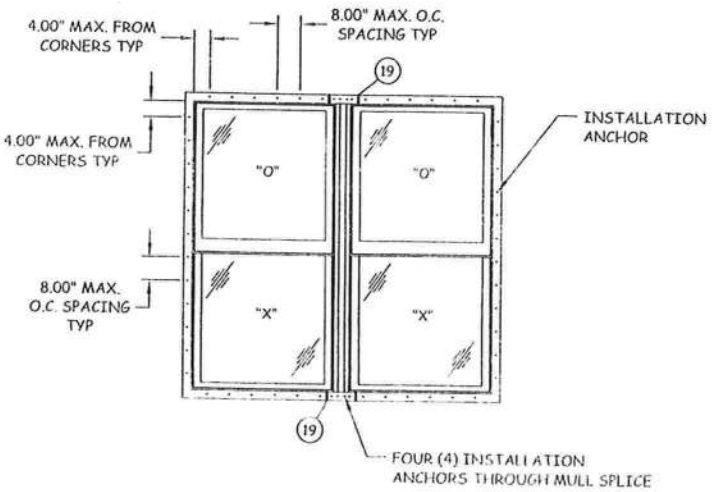
DATE: 8.15.11 | DWN BY: [illegible] | CHK BY: [illegible] | SCALE: NTS

DWG #: PGW071

SHEET: 1 OF 5



ELEVATION



ANCHOR LAYOUT
FIN

PLY GEM

433 N. MAIN ST. PO BOX 559, ROCKY MOUNT, VA 24151

PH: 540-484-6348 FX: 540-484-6883

TITLE: BUILDER SERIES 1111 SH ELEVATION & ANCHOR LAYOUT

PREPARED BY:

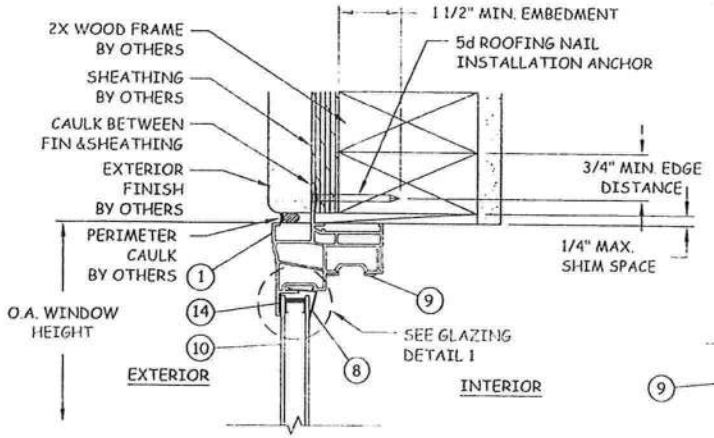
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

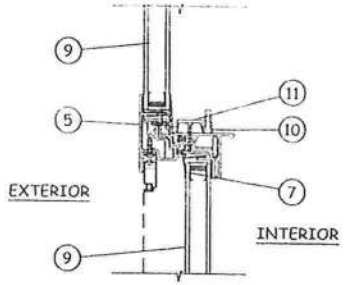
NO.	DESCRIPTION	BY	DATE

DWG #: PGW071

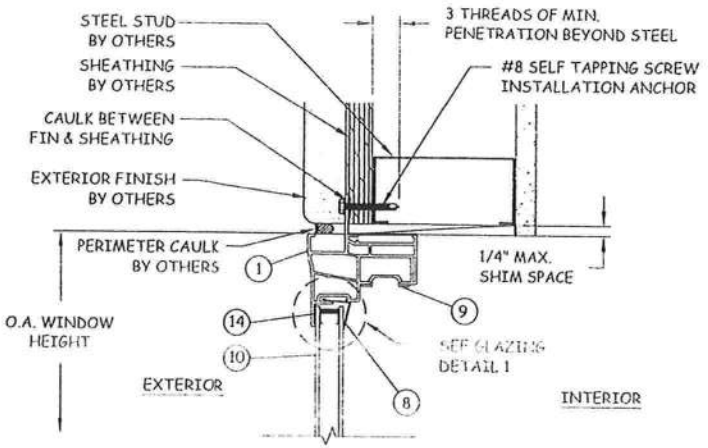
SHEET 2 OF 5



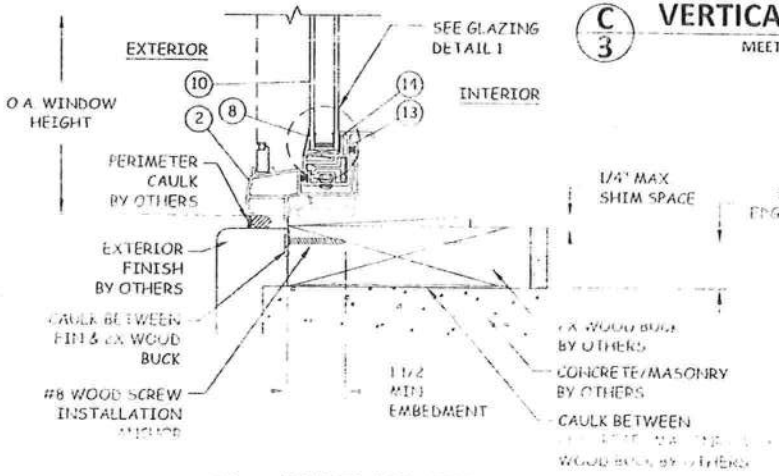
D/3 VERTICAL SECTION
HEAD - 2X WOOD FRAME FIN INSTALLATION



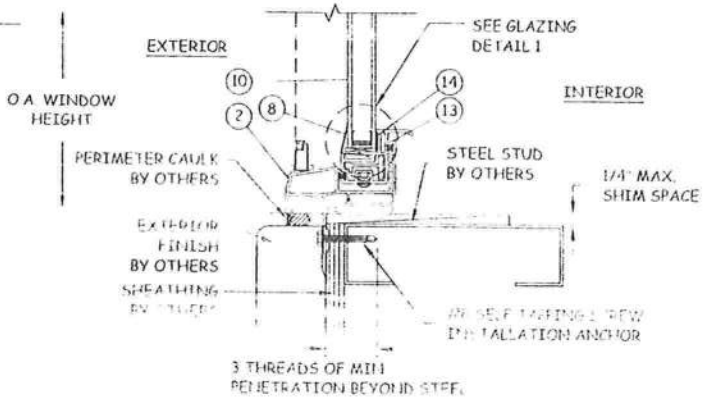
C/3 VERTICAL SECTION
MEETING RAIL



E/3 VERTICAL SECTION
HEAD - STEEL STUD FIN INSTALLATION



A/3 VERTICAL SECTION
SILL 2X WOOD BUCK FIN INSTALLATION



B/3 VERTICAL SECTION
SILL STEEL STUD FIN INSTALLATION

PLY GEM
433 N. MAIN ST. PO BOX 559
ROCKY MOUNT, VA 24151
PH 540-484-6348 FX 540-484-6653

TITLE: BUILDER SERIES 1111 SH VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-2366 FX (407) 644-2366

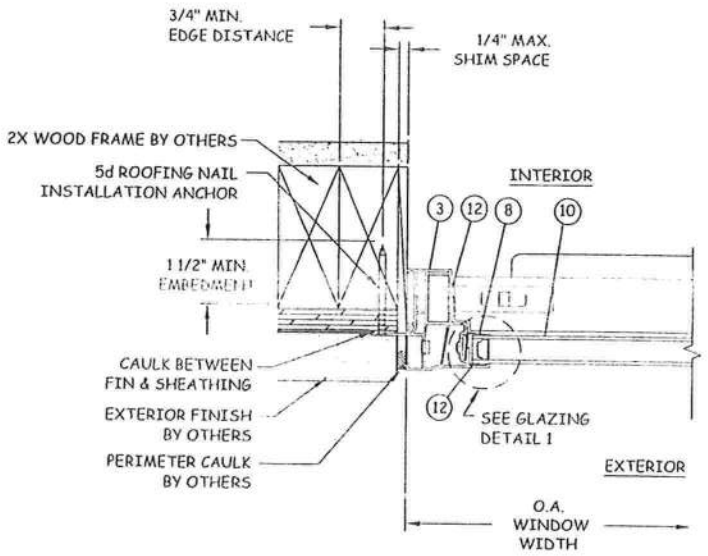
REVISIONS

NO	DESCRIPTION	BY	DATE

DATE: 8-11
DWN BY: A.S.
CHK BY:
SCALE: N.T.S.

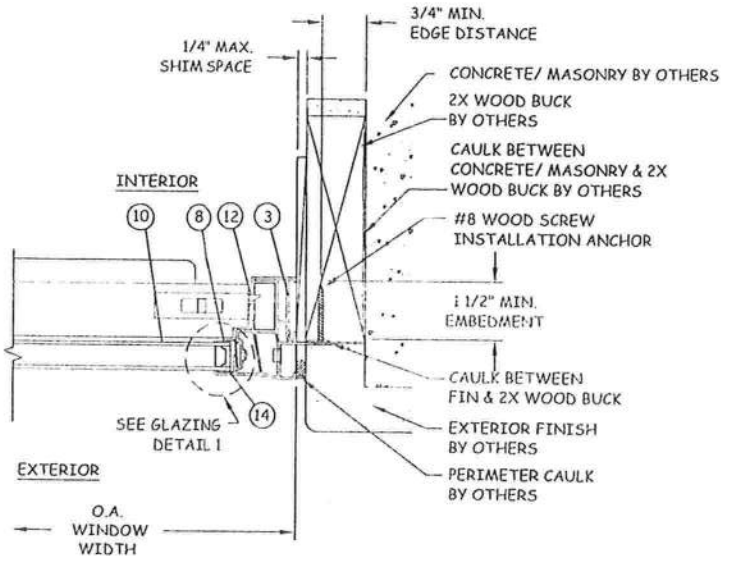
DWG # PGW071

SHT 3 OF 5



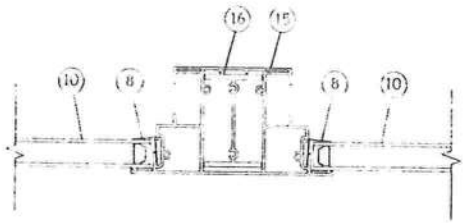
F/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD FRAME
FIN INSTALLATION



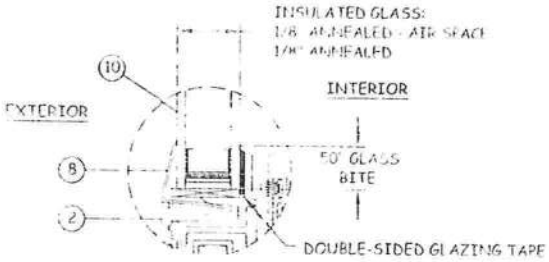
G/4 **HORIZONTAL SECTION**

JAMB - 2X WOOD BUCK
FIN INSTALLATION



H/4 **HORIZONTAL SECTION**

1111-2 MULLION
DIE # 7910



GLAZING DETAIL 1

PLY GEM

433 N MAIN ST., PO BOX 559,
ROCKY MOUNT, VA 24151

PH 540-484-6348 FX 540 484-6683

TITLE:
BUILDER SERIES 1111 SH
HORIZONTAL SECTIONS &
GLAZING DETAIL

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-8367 FX (407) 644-2366

REVISIONS

NO	DESCRIPTION	BY	DATE

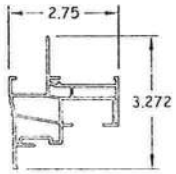
DWG #:
PGW071

SHEET 4 OF 5

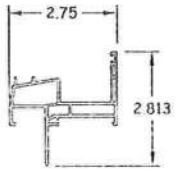
BILL OF MATERIALS

ITEM NO	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME HEAD	PVC	PLY GEM
2	FRAME SILL	PVC	PLY GEM
3	FRAME JAMB	PVC	PLY GEM
4	SASH TOP RAIL	PVC	PLY GEM
5	SASH BOTTOM RAIL	PVC	PLY GEM
6	FRAME FIXED MEETING RAIL	PVC	PLY GEM
7	SASH JAMB RAIL	PVC	PLY GEM
8	GLAZING BEAD	PVC	PLY GEM
9	SILL TRACK	PVC	PLY GEM
10	INSULATED GLASS		
11	SWEEP LATCH LOCK		
12	SWEEP LATCH KEEPER		
13	Q-LOCK WEATHERSTRIP		
14	GLAZING COMPOUND		
15	MULLION	PVC	PLY GEM
16	MULLION REINFORCEMENT	6063-T6 AL	PLY GEM
17	SASH REINFORCEMENT	6063-T5 AL	PLY GEM
18	MEETING RAIL REINFORCEMENT	6063-T6 AL	PLY GEM
19	MULL SPLICE	6063-T5 AL	PLY GEM

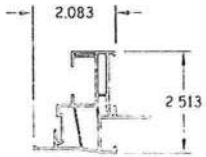
1 FRAME HEAD
PVC



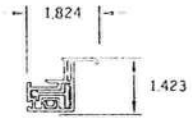
2 FRAME SILL
PVC



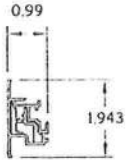
3 FRAME JAMB
PVC



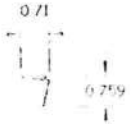
5 SASH BOTTOM RAIL
PVC



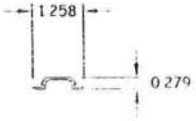
6 FRAME FIXED MEETING RAIL
PVC



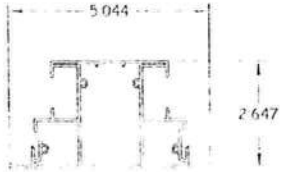
8 GLAZING BEAD
PVC



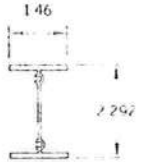
9 SILL TRACK
PVC



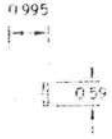
15 MULLION
PVC



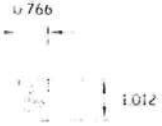
16 MULLION REINFORCEMENT
6063-T6 ALUMINUM



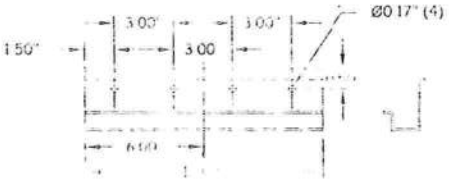
17 SASH REINFORCEMENT
6063-T5 ALUMINUM



18 MEETING RAIL REINFORCEMENT
6063-T6 ALUMINUM



19 MULL SPLICE
6063-T5 ALUMINUM



PLY GEM
433 N. MAIN ST., PO BOX 559
ROCKY MOUNT, VA 24151
PH 540-484-6348 FX 540-484-6683

TITLE: BUILDER SERIES 1111 SH COMPONENTS & BOM

PREPARED BY:
BUILDING DROPS
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH (407) 644-6957 FX (407) 644-2366

REVISIONS

NO.	DESCRIPTION	BY	DATE

DATE: 8.31.11
DWN BY: MSS
CHK BY: JS
SCALE: NTS

DWG #: PGW071

SHEET 5 OF 5

ASTM HERITAGE 30 AR® FL. 19563 PRODUCT DATA

LAMINATED ASPHALT SHINGLES

Manufactured in Tuscaloosa, AL.

ASTM HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with mineral granules that will help protect against discoloration caused by algae. A self-sealing strip of asphalt helps provide added wind resistance.

USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 30 year limited warranty, 5 year FULL START, limited transferability, winds up to 70 MPH
- Affordable upgrade from 3-tab shingles
- Superior fire resistance compared to organic shingles
- Rustic beauty of wood shakes
- Shadowtone feature adds depth and dimensional appearance
- Algae resistant granules to protect against discoloration in areas where extreme humidity is a problem
- 10 year limited warranty against discoloration caused by certain algae growth

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant

Fed. Spec.: Exceeds SS-S-001534, Class A, Type I

ASTM D 3018, Type I
ASTM E 108, Class A
ASTM D 3161, Type I (modified to 110 mph)
ASTM D 3462

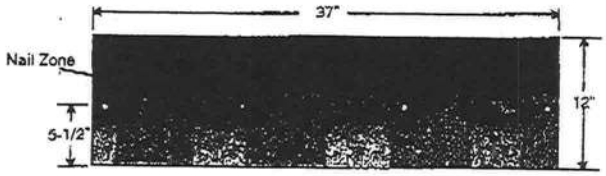
COLORS

Classic Heritage Colors:

- Weathered Wood
- Rustic Cedar
- Rustic Hickory
- Driftwood
- Oxford Grey
- Shadow Grey
- Desert Sand
- Rustic Black
- Olde English Pewter
- Glacier White
- Rustic Evergreen

PRODUCT DATA*

Shingle size	12" X 37"
Exposure	5"
Shingles per square	78
Bundles per square	3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.

TAMKO®
ROOFING PRODUCTS

Visit our Web Site at www.tamko.com

01/2002

Central District	220 West 4th St., Joplin, MO	64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD	21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL	35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO	80216	800-530-8868

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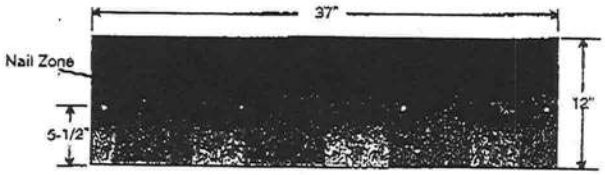

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Florida Building codes

Simpson strongtie

ABU44 FL474.21
H2.5A FL563.5
SPH4 FL538
H10 FL474.109
MSTA24 FL1901.57

Primed Hardi Board & Unprimed Complank

FL889

#15 & #30 Felt

FL

#30 ASTm D4869

TAMCO Dimn 30yr Single FL.1956.3

Florida Building codes

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FL889

#15 & #30 Felt

FL

#30 ASTM D4869

TAMCO Dimn 30yr Shingle FL. 1956.3

New Home Install
HVAC Load Calculations

for

Rex & Laura Stewart
429 SW Randolph Ct
Ft White, FL

Elite Software

RHVAC Residential HVAC Loads

Prepared By:

Pedro Rodriguez
Pro Air Conditioning, Inc
P.O. Box 141235
Gainesville, FL 32614
352.338.9232
Thursday, October 25, 2012

Project Report

General Project Information

Project Title:	New Home Install
Designed By:	Pedro Rodriguez
Project Date:	October 22, 2012
Client Name:	Rex & Laura Stewart
Client Address:	429 SW Randolph Ct
Client City:	Ft White, FL
Company Name:	Pro Air Conditioning, Inc
Company Representative:	Pedro Rodriguez
Company Address:	P.O. Box 141235
Company City:	Gainesville, FL 32614
Company Phone:	352.338.9232
Company Fax:	352.641.6084
Company E-Mail Address:	hvacproair@yahoo.com
Company Comment:	

Design Data

Reference City:		Gainesville, Florida
Building Orientation:		Front door faces Southwest
Daily Temperature Range:		Medium
Latitude:	29	Degrees
Elevation:	152	ft.
Altitude Factor:	0.995	

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel.Hum	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	30	30.8	100%	n/a	72	n/a
Summer:	95	77	45%	50%	75	47

Check Figures

Total Building Supply CFM:	1,756	CFM Per Square ft.:	0.838
Square ft. of Room Area:	2,096	Square ft. Per Ton:	585
Volume (ft³) of Cond. Space:	20,976		

Building Loads

Total Heating Required Including Ventilation Air:	31,489 Btuh	31.489	MBH
Total Sensible Gain:	36,503 Btuh	85	%
Total Latent Gain:	6,483 Btuh	15	%
Total Cooling Required Including Ventilation Air:	42,986 Btuh	3.58	Tons (Based On Sensible + Latent)

Notes

Rhvac is an ACCA approved Manual J and Manual D computer program.
Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.

Load Preview Report

Scope	Net Ton	ft.²/Ton	Area	Sen Gain	Lat Gain	Net Gain	Sen Loss	Sys Htg CFM	Sys Clg CFM	Sys Act CFM	Duct Size
Building	**3.58**	**585**	**2,096**	**36,503**	**6,483**	**42,986**	**31,489**	**822**	**1,756**	**1,756**	
System 1	3.58	585	2,096	36,503	6,483	42,986	31,489	822	1,756	1,756	14x21
Duct Latent					863	863					
Zone 1			2,096	36,503	5,620	42,123	31,489	822	1,756	1,756	14x21
1-Bedroom 3			210	2,697	274	2,971	2,569	67	130	130	1–7
2-Bedroom 2			240	2,922	322	3,244	3,663	96	141	141	1–7
3-Bath 2			66	562	18	580	1,199	31	27	27	1–4
4-Office			150	2,267	74	2,341	2,756	72	109	109	1–6
5-Great Room			352	6,581	1,467	8,048	4,799	125	317	317	2–7
6-Dining			352	6,586	1,467	8,053	4,052	106	317	317	2–7
7-Kitchen			192	4,680	847	5,527	3,045	80	225	225	1–8
8-Utility Laundry Pantry			102	2,287	248	2,535	1,842	48	110	110	1–6
9-Closet			50	363	0	363	797	21	17	17	1–4
10-Master Bath			110	2,090	260	2,350	1,723	45	101	101	1–6
11-Master Bedroom			272	5,468	643	6,111	5,043	132	263	263	2–7

Total Building Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
CustomGlass1: Glazing-Double pane, operable window,clear glass, vinyl frame, outdoor insect screen with 50% coverage, light color blinds at 45° with 100% coverage, u-value 0.3, SHGC 0.26	221.5	2,790	0	3,166	3,166
11D: Door-Wood - Solid Core	42	688	0	508	508
12C-0sw: Wall-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	1758.5	6,720	0	4,239	4,239
12C-0sw: Part-Frame, R-13 insulation in 2 x 4 stud cavity, no board insulation, siding finish, wood studs	996	89	0	89	89
16B-30: Roof/Ceiling-Under Attic with Insulation on Attic Floor (also use for Knee Walls and Partition Ceilings), Vented Attic, No Radiant Barrier, Dark Asphalt Shingles or Dark Metal, Tar and Gravel or Membrane, R-30 insulation	2096	2,818	0	3,691	3,691
22A-pl: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, light dry soil	310	12,875	0	0	0
Subtotals for structure:		25,980	0	11,693	11,693
People:	18		4,140	5,400	9,540
Equipment:			814	9,878	10,692
Lighting:	945			3,222	3,222
Ductwork:		3,741	863	4,530	5,393
Infiltration: Winter CFM: 38, Summer CFM: 21		1,768	666	458	1,124
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
AED Excursion:		0	0	1,321	1,321
Total Building Load Totals:		31,489	6,483	36,503	42,986

Check Figures

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Building Pie Chart