

DATE 08/28/2013

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000031399

APPLICANT TRAVIS MEDEIROS PHONE 386.755.5254
 ADDRESS 8353 SW CR 240 LAKE CITY FL 32024
 OWNER THOMAS S. TRAMEL, III. PHONE _____
 ADDRESS 1254 SW RIVERSIDE AVENUE FT. WHITE FL 32038
 CONTRACTOR MATTHEW HENTZELMAN PHONE 386.755.5254

LOCATION OF PROPERTY 47-S TO US 27, TR TO RIVERSIDE, TL AND IT'S 1.1 MILE ON THE R.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 187450.00

HEATED FLOOR AREA 1919.00 TOTAL AREA 3749.00 HEIGHT 34.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING ESA-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 15.00

NO. EX.D.U. 0 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 13-005

PARCEL ID 27-6S-15-00568-006 SUBDIVISION 3 RIVERS ESTATES (UNIT 1-A

LOT 6 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 1.67

CGC1514780

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor [Signature]
 EXISTING 13-0414-E BLK _____ TC _____ N _____
 Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: NOC ON FILE. V#0291-15' SIDE SETBACKS. ELEVATION CERTIFICATE FOR FINISH FLOOR & EQUIPMENT. MFE @ 34.20' BEFORE POWER.

Check # or Cash 2004

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____

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

Framing _____ Insulation _____
date/app. by _____ date/app. by _____

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

Heat & Air Duct _____ Peri. beam (Lintel) _____ Pool _____
date/app. by _____ date/app. by _____ date/app. by _____

Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____

Pump pole _____ Utility Pole _____ M/H tie downs, blocking, electricity and plumbing _____
date/app. by _____ date/app. by _____ date/app. by _____

Reconnection _____ RV _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 940.00 CERTIFICATION FEE \$ 18.75 SURCHARGE FEE \$ 18.75

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

FLOOD DEVELOPMENT FEE \$ 50.00 FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 1102.50

INSPECTORS OFFICE [Signature] 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.

DP

Columbia County Building Permit Application

For Office Use Only Application # 1308-05 Date Received 8/2/13 By LH Permit # 31399
 Zoning Official BLK Date 19 Aug 2013 Flood Zone AE Land Use ESA Zoning ESA-2
 FEMA Map # 0458C Elevation 33.2 MFE 34.2 River ICH Plans Examiner T.C. Date 8-9-13
 Comments V# 0291 15' side setbacks, Elevation Cert: Sicut Sor Finish Floor + Equipment
 NOC MEH Deed or PA Site Plan State Road Info Well letter 911 Sheet Parent Parcel #
 Dev Permit # NA In Floodway Letter of Auth. from Contractor F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Sub VF Form
 Road/Code _____ School _____ = TOTAL (Suspended) Ellisville Water App Fee Paid

Septic Permit No. 13-0414-E Travis Medeiros Fax 758-4290
 Name Authorized Person Signing Permit MATTHEW HENTZELMAN Phone 386-755-5254

Address 8353 SW COUNTY RD 240 LAKE CITY FL 32024

Owners Name THOMAS S. TRAMEL III Phone _____

911 Address 1254 SW RIVERSIDE AVE FT WHITE, FL 32038

Contractors Name MATTHEW HENTZELMAN, TRADEMARK CONSTRUCTION Phone 386-755-5254

Address 8353 SW COUNTY RD 240 LAKE CITY FL 32024

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address BRETT CREWS 750-A SW MAIN BLVD LAKE CITY FL 32025

Mortgage Lenders Name & Address PEOPLES STATE BANK

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

Property ID Number 00-00-00-00568-006 Estimated Cost of Construction \$300,000

Subdivision Name THREE RIVERS ESTATES Lot 6 Block _____ Unit 1-A Phase _____

Driving Directions SOUTH ON 47 20 MILES, RIGHT ON US 27 4.9 MILES, LEFT ON SW RIVERSIDE AVE 1.1 MILES, DEST. ON RIGHT (90 1.1 miles)

Number of Existing Dwellings on Property 1 HABITABLE SHED

Construction of SINGLE FAMILY RESIDENCE Total Acreage 1.67 Lot Size 1.67

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 34'

Actual Distance of Structure from Property Lines - Front 380' Side 18' Side 20' Rear 170'

Number of Stories 1 Heated Floor Area 1,919 Total Floor Area 3749 Roof Pitch 6:12

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.

Spoke to Travis 8/19/13

1102.50

Columbia County Building Permit Application

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

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

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

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

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

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

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



Owners Signature

(Owners Must Sign All Applications Before Permit Issuance.)

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

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



Contractor's Signature (Permitee)

Contractor's License Number CGC1514780
Columbia County
Competency Card Number 855

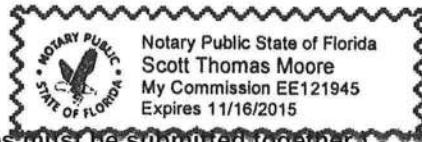
Affirmed under penalty of perjury to by the Contractor and subscribed before me this 31 day of July 2013.

Personally known or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:



Columbia County Property Appraiser

CAMA updated: 7/11/2013

2012 Tax Year

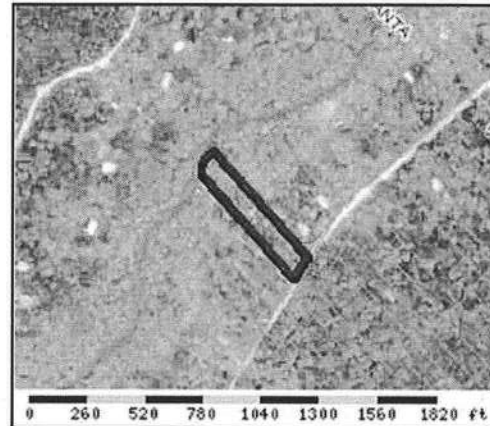
Parcel: 00-00-00-00568-006

<< Next Lower Parcel Next Higher Parcel >>

Owner & Property Info

Owner's Name	TRAMEL THOMAS S III		
Mailing Address	1254 SW RIVER SIDE AVE FT WHITE, FL 32038		
Site Address	1254 SW RIVERSIDE AVE		
Use Desc. (code)	SINGLE FAM (000100)		
Tax District	3 (County)	Neighborhood	100000
Land Area	1.671 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 6 & S1/2 OF LOT 5 UNIT 1-A THREE RIVERS ESTATES. ORB 498-517, 702-640, 735-627, FJ DIV#04-51DR, 1017-2641. DIV 1093-161 QCD 1094-2642		

<< Prev Search Result: 4 of 5 Next >>



Property & Assessment Values

2012 Certified Values		
Mkt Land Value	cnt: (0)	\$111,121.00
Ag Land Value	cnt: (2)	\$0.00
Building Value	cnt: (1)	\$8,012.00
XFOB Value	cnt: (1)	\$3,596.00
Total Appraised Value		\$122,729.00
Just Value		\$122,729.00
Class Value		\$0.00
Assessed Value		\$122,729.00
Exempt Value		\$0.00
Total Taxable Value		\$122,729
	Cnty: \$122,729 Other: \$122,729 Schl: \$122,729	

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.

Sales History

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
11/7/1989	702/640	WD	V	U		\$41,500.00
10/1/1982	498/517	WD	V	U	01	\$33,500.00
5/1/1978	404/638	03	V	Q		\$21,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SFR PILING (000300)	1990	WD ON PLY (08)	192	804	\$7,951.00
Note: All S.F. calculations are based on <u>exterior</u> building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0084	DOCK-RIVER	1990	\$3,596.00	0000620.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	77.98 FF - (0000001.097AC)	1.00/1.00/1.00/1.00	\$950.00	\$74,081.00

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 7/25/2013 DATE ISSUED: 7/25/2013

ENHANCED 9-1-1 ADDRESS:

1254 SW RIVERSIDE AVE

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-00568-006

Remarks:

VERIFICATION OF ADDRESS FOR NEW CONSTRUCTION ON PARCEL

Address Issued By: SIGNED: / RONAL N. CROFT
Columbia County 9-1-1 Addressing / GIS Department

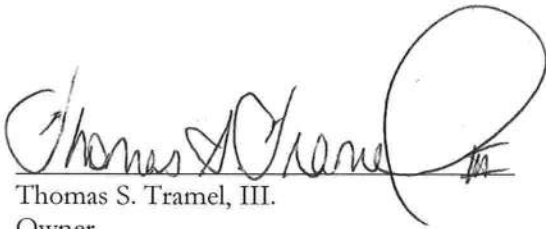
NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

2598

Tom Tramel

NOTARIZED LETTER OF AUTHORIZATION

I, Thomas S. Tramel, III., Owner of the parcel located at 1254 SW River Side Drive Fort White, FL 32038 hereby appoint Travis A. Medeiros and Matthew S. Hentzelman of Trademark Construction Group, Inc. of Florida to serve as the acting agents in all matters pertaining to the permitting process.

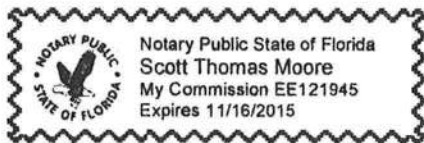

Thomas S. Tramel, III.
Owner


Travis A. Medeiros – President


Matthew S. Hentzelman – CGC1514780


Notary

7-31-13
Date



SUBCONTRACTOR VERIFICATION FORM



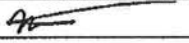

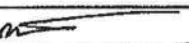
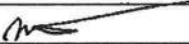



APPLICATION NUMBER 1308-05 CONTRACTOR MATTHEW HENTZELMAN PHONE 386-755-5254

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 _____ License #: _____	Signature _____ Phone #: _____
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		SEE OTHER FORM	
✓ CONCRETE FINISHER	CGC1514780	MATT HENTZELMAN	
✓ FRAMING <u>855</u>	CGC1514780	MATT HENTZELMAN	
✓ INSULATION	CGC1514780	MATT HENTZELMAN	
STUCCO			
✓ DRYWALL	CGC1514780	MATT HENTZELMAN	
PLASTER			
✓ CABINET INSTALLER	CGC1514780	MATT HENTZELMAN	
✓ PAINTING	CGC1514780	MATT HENTZELMAN	
ACOUSTICAL CEILING			
GLASS			
✓ CERAMIC TILE	CGC1514780	MATT HENTZELMAN	
✓ FLOOR COVERING	CGC1514780	MATT HENTZELMAN	
✓ ALUM/VINYL SIDING	CGC1514780	MATT HENTZELMAN	
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.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1308-05 CONTRACTOR MATTHEW HENTZELMAN PHONE 386-755-5254

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ELECTRICAL	Print Name <u>DAVID WOOD</u> Signature _____ License #: _____ Phone #: <u>386-364-5246</u>
MECHANICAL/ A/C	Print Name <u>GLENN I JONES</u> Signature _____ License #: _____ Phone #: <u>386-752-5389</u>
PLUMBING/ GAS	Print Name <u>KENNY KEEN</u> Signature _____ License #: _____ Phone #: <u>386-867-6755</u>
ROOFING <u>955</u>	Print Name <u>MATTHEW HENTZELMAN</u> Signature _____ License #: <u>CGC 1514780</u> Phone #: <u>386-755-5254</u>
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
<input checked="" type="checkbox"/> MASON	<u>000246</u>	<u>ED DENNARD</u>	<u>[Signature]</u>
<input type="checkbox"/> CONCRETE FINISHER			
<input type="checkbox"/> FRAMING		<u>GC</u>	
<input type="checkbox"/> INSULATION		<u>GC</u>	
<input type="checkbox"/> STUCCO			
<input type="checkbox"/> DRYWALL		<u>GC</u>	
<input type="checkbox"/> PLASTER			
<input type="checkbox"/> CABINET INSTALLER			
<input type="checkbox"/> PAINTING		<u>GC</u>	
<input type="checkbox"/> ACOUSTICAL CEILING			
<input type="checkbox"/> GLASS			
<input type="checkbox"/> CERAMIC TILE		<u>GC</u>	
<input type="checkbox"/> FLOOR COVERING		<u>GC</u>	
<input type="checkbox"/> ALUM/VINYL SIDING		<u>GC</u>	
<input type="checkbox"/> GARAGE DOOR			
<input type="checkbox"/> 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.



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ELECTRICAL	Print Name <u>DAVID WOOD</u> License #:	Signature _____ Phone #: <u>386-364-5246</u>
MECHANICAL/ A/C <u>A-48</u>	Print Name <u>GLENN I JONES</u> License #: <u>CAC051486</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-5389</u>
PLUMBING/ GAS	Print Name <u>KENNY KEEN</u> License #:	Signature _____ Phone #: <u>386-867-6755</u>
ROOFING	Print Name <u>MATTHEW HENTZELMAN</u> License #:	Signature _____ Phone #: <u>386-755-5254</u>
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	<u>0002246</u>	<u>ED DENNARD</u>	<u>[Signature]</u>
CONCRETE FINISHER			
FRAMING		<u>GC</u>	
INSULATION		<u>GC</u>	
STUCCO			
DRYWALL		<u>GC</u>	
PLASTER			
CABINET INSTALLER			
PAINTING		<u>GC</u>	
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE		<u>GC</u>	
FLOOR COVERING		<u>GC</u>	
ALUM/VINYL SIDING		<u>GC</u>	
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.

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ELECTRICAL	Print Name <u>DAVID WOOD</u> License #: <u>EC-13002213</u>	Signature <u>[Signature]</u> Phone #: <u>386-364-5246</u>
MECHANICAL/ A/C	Print Name <u>GLENN I JONES</u> License #:	Signature _____ Phone #: <u>386-752-5389</u>
PLUMBING/ GAS	Print Name <u>KENNY KEEN</u> License #:	Signature _____ Phone #: <u>386-867-6755</u>
ROOFING	Print Name <u>MATTHEW HENTZELMAN</u> License #:	Signature _____ Phone #: <u>386-755-5254</u>
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	<u>000246</u>	<u>ED DENNARD</u>	<u>[Signature]</u>
CONCRETE FINISHER			
FRAMING		<u>GC</u>	
INSULATION		<u>GC</u>	
STUCCO			
DRYWALL		<u>GC</u>	
PLASTER			
CABINET INSTALLER			
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ACOUSTICAL CEILING			
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2004



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

FW

PERMIT NO. 13-0414E
DATE PAID: 8/9/13
FEE PAID: 125.00
RECEIPT #: 116835

APPLICATION FOR:

[] New System [X] Existing System [] Holding Tank [] Innovative
[] Repair [] Abandonment [] Temporary []

APPLICANT: Thomas Tramel III

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: 546 SW Dortch Street, 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: 6 + S 1/2 Lot 5 BLOCK: na SUB: Three Rivers Estates unit 1-A PLATTED: 1986

PROPERTY ID #: 00-00-00-00568-006 ZONING: Res. I/M OR EQUIVALENT: [Y] (N)

PROPERTY SIZE: 1.67 ACRES WATER SUPPLY: [X] PRIVATE PUBLIC [] <=2000GPD [] >2000GPD

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

PROPERTY ADDRESS: 1254 SW Riverside Ave, Fort White, FL, 32038

DIRECTIONS TO PROPERTY: 27 South, TR on US 27, TL in Riverside Ave, To address on right

BUILDING INFORMATION

[X] RESIDENTIAL [] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	SF Residential	2	1919	System installed for 300 GPD in 1985 - LKR for LKR 2nd level approval rec'd 8/2013
2				
3				

[X] Floor/Equipment Drains [X] Other (Specify) 2nd level approval rec'd 8/2013

SIGNATURE: Rocky D Ford DATE: 8/7/2013

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

Permit Application Number 13-0414E

TRAMPA

----- PART II - SITEPLAN -----

Scale: 1 inch = 40 feet.

SEE ATTACHED

Notes: _____

Site Plan submitted by: *Rodney D. F...*

MASTER CONTRACTOR

Plan Approved Not Approved

Date *8.27.13*

By *Sallie Ford Env Health Director Columbia*

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

**Columbia County Building Department
Flood Development Permit**

**Development Permit
F 023- 13-005**

DATE 08/28/2013 BUILDING PERMIT NUMBER 000031399
APPLICANT TRAVIS MEDEIROS PHONE 386.755.5254
ADDRESS 8353 SW CR 240 LAKE CITY FL 3204
OWNER THOMAS S. TRAMEL, III. PHONE _____
ADDRESS 1254 SW RIVERSIDE AVENUE FT. WHITE FL 32038
CONTRACTOR MATTHW HENTZELMAN PHONE 386.755.5254
ADDRESS 8353 SW CR 240 LAKE CITY FL 32024
SUBDIVISION 3 RIVERS ESTATES (UNIT 1-A Lot 6 Block _____ Unit _____ Phase _____
TYPE OF DEVELOPMENT SFD/UTILITY PARCEL ID NO. 27-6S-15-00568-006

FLOOD ZONE AE BY BLK 2-4-2009 FIRM COMMUNITY # 120070 - PANEL # 0458C
FIRM 100 YEAR ELEVATION 33.2' PLAN INCLUDED (YES) or NO
REQUIRED LOWEST HABITABLE FLOOR ELEVATION 34.2'
IN THE REGULATORY FLOODWAY YES or (NO) RIVER IC/NE/TK/NEE
SURVEYOR / ENGINEER NAME BRET A. CREWS LICENSE NUMBER 65592

ONE FOOT RISE CERTIFICATION INCLUDED

ZERO RISE CERTIFICATION INCLUDED

SRWMD PERMIT NUMBER _____
(INCLUDING THE ONE FOOT RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED _____

INSPECTED DATE _____ BY _____

COMMENTS 2 WAYS ELEVATION CERTIFICATE FOR FINISH FLOOR &
EQUIPMENT PRIOR TO PERMANENT TOWER!!

135 NE Hernando Ave., Suite B-21
Lake City, Florida 32055
Phone: 386-758-1008
Fax: 386-758-2160





Crews Engineering Services, LLC
PO Box 970
Lake City, FL 32056
Ph: 386.623.4303
brett@crewsengineeringservices.com

ONE FOOT RISE ANALYSIS AND CERTIFICATION 100 YEAR BASE FLOOD

PROJECT DATA

PARCEL ID: 00-00-00-00568-006

PROPERTY DESCRIPTION: 1.67 Acres off of SW Riverside Ave, Columbia County, FL

OWNER: Thomas S. Tramel, III

PROJECT DESCRIPTION: +/-4,000 SF Residential Dwelling (Site Built Home and Decks) located +/-380' from SW Riverside Ave and +/-170' from the Itchetucknee River.

FLOOD ZONE: AE

BASE FLOOD ELEVATION: 33.4 Based on SRWMD Effective Flood Report (attached)

EXISTING GRADE ELEVATION (AT BUILDING LOCATION):
+/-22, Based on Survey by Donald F. Lee and Associates

CONCLUSION

To demonstrate the proposed construction will not cause more than a 1 foot rise in the flood elevation, the following calculation was performed:

Area of Flood Zone = Undetermined, Associated with the Santa Fe River
Depth of Lot below Flood Elevation = 33.4 ft - 22 ft = 11.4 ft
Storage Volume Removed due to development = 11.4 ft * 4,000 sf = 11,646 cf = 1.05 acre-ft
Flood Level Increase (if flood zone area = lot size = 1.67 acres) = 1.05 acre-ft / 1.67 acres = 0.63 ft

This is a very conservative calculation for the following reasons:

- Flood Zone Area is much larger than 1.67 acres and associated with the Santa Fe River
- No fill will be brought in for construction of the project. The area under the building will remain open. The only volume lost is due to the piers.

CERTIFICATION

I hereby certify that, to the best of my knowledge, construction of the project as described above will increase the flood elevations less than one foot at the project location.

ATTACHEMENTS

SRWMD Effective Flood Report, Ownership Information (Columbia County Property Appraiser)

Brett A. Crews
Brett A. Crews, PE No. 65592

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: Tramel Residence Street: 1254 SW Riverside Drive City, State, Zip: Ft. White, FL, 32038- Owner: Thomas Tramel Design Location: FL, Gainesville	Builder Name: Trademark Construction Group Permit Office: Columbia County Permit Number: Jurisdiction:
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Glass/Floor Area: 0.159	Total Proposed Modified Loads: 41.32	PASS
	Total Standard Reference Loads: 51.99	


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

PREPARED BY: _____
 DATE: _____

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

OWNER/AGENT: _____
 DATE: _____

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.



BUILDING OFFICIAL: _____
 DATE: _____

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



PROJECT

Title:	Tramel Residence	Bedrooms:	2	Address Type:	Street Address
Building Type:	User	Conditioned Area:	1919	Lot #	
Owner:	Thomas Tramel	Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	Yes	PlatBook:	
Builder Name:	Trademark Construction Grou	Rotate Angle:	315	Street:	1254 SW Riverside Driv
Permit Office:	Columbia County	Cross Ventilation:	Yes	County:	Columbia
Jurisdiction:		Whole House Fan:	No	City, State, Zip:	Ft. White , FL , 32038-
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	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	1919	17271

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1919	17271	Yes	2	2	1	Yes	Yes	Yes

FLOORS

✓	#	Floor Type	Space	R-Value	Area	Tile	Wood	Carpet
_____	1	Raised Floor	Main	----	1919 ft²	19	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	Metal	2146 ft²	0 ft²	Light	0.96	No	0.9	No	0	26.6

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1919 ft²	N	N

CEILING

✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	1919 ft²	0.11	Wood

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft In	Height Ft In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
1	NW=>W	Exterior	Frame - Wood	Main	13	66	9	594.0 ft²		0.23	0.75	0
2	NE=>N	Exterior	Frame - Wood	Main	13	35	9	315.0 ft²		0.23	0.75	0
3	SE=>E	Exterior	Frame - Wood	Main	13	66	9	594.0 ft²		0.23	0.75	0
4	SW=>S	Exterior	Frame - Wood	Main	13	35	9	315.0 ft²		0.23	0.75	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft In	Height Ft In	Area
1	NW=>W	Insulated	Main	None	.46	5	8	40 ft²
2	NW=>W	Insulated	Main	None	.46	5	8	40 ft²
3	NW=>W	Insulated	Main	None	.46	5	8	40 ft²
4	SE=>E	Insulated	Main	None	.46	6	8	48 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
1	NW=>W	1	Vinyl	Low-E Single	Yes	0.35	0.33	108.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
2	NE=>N	2	Vinyl	Low-E Single	Yes	0.55	0.35	60.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
3	SE=>E	3	Vinyl	Low-E Single	Yes	0.55	0.33	120.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None
4	SW=>S	4	Vinyl	Low-E Single	Yes	0.55	0.33	18.0 ft²	1 ft 6 in	0 ft 0 in	Drapes/blinds	None

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	.0003	1510.1	82.9	155.91	.231	5.246

HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Block	Ducts
1	Electric Heat Pump	SPVHP(COP)	HSPF: 8.2	34 kBtu/hr	1	sys#1

COOLING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
1	Central Unit	Single	SEER: 15.5	34 kBtu/hr	1020 cfm	0.75	1	sys#1

HOT WATER SYSTEM

✓ #	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
1	Electric	None	Main	0.92	40 gal	50 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft ²		

DUCTS

✓	#	--- Supply --- Location	R-Value	Area	--- Return --- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	383.8 ft	Attic	95.95 ft	Default Leakage	Main	(Default)	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input checked="" type="checkbox"/>	Jun	<input checked="" type="checkbox"/>	Jul	<input checked="" type="checkbox"/>	Aug	<input checked="" type="checkbox"/>	Sep	<input checked="" type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input type="checkbox"/>	Dec	
Heating	<input checked="" type="checkbox"/>	Jan	<input checked="" type="checkbox"/>	Feb	<input checked="" type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input checked="" type="checkbox"/>
Venting	<input type="checkbox"/>	Jan	<input type="checkbox"/>	Feb	<input type="checkbox"/>	Mar	<input checked="" type="checkbox"/>	Apr	<input checked="" type="checkbox"/>	May	<input type="checkbox"/>	Jun	<input type="checkbox"/>	Jul	<input type="checkbox"/>	Aug	<input type="checkbox"/>	Sep	<input type="checkbox"/>	Oct	<input checked="" type="checkbox"/>	Nov	<input checked="" type="checkbox"/>	Dec	<input type="checkbox"/>

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	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78
	PM	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
	PM	68	68	68	68	68	68	68	68	68	68	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66

Florida Code Compliance Checklist

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

ADDRESS: 1254 SW Riverside Drive
Ft. White, FL, 32038-

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	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.	
	403.3.3	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.	



**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
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		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	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Condition space (Sq. Ft.)</td> <td style="width: 30%; text-align: center;">1919</td> <td style="width: 30%;">Total (Sq. Ft.) under roof</td> <td style="width: 10%; text-align: center;">3749</td> </tr> </table>	Condition space (Sq. Ft.)	1919	Total (Sq. Ft.) under roof	3749	IIIIIIII	IIIIIIII	IIII
Condition space (Sq. Ft.)	1919	Total (Sq. Ft.) under roof	3749					

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	IIIII	IIII	IIIII
		YES	NO	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/m ²), to be used for the design of exterior component, cladding materials not speciffaly 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 plans (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
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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 value of soil <u>1500</u> 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)	X		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	X		

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

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

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 piers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	✓		
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 & interior 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		
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		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

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	X		

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	EXISTING ✓		
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
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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 911 address 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 application 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 of 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 null 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 of 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:

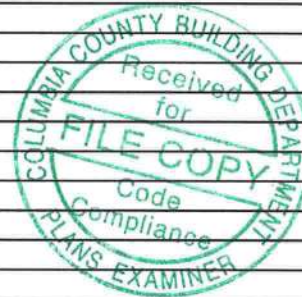
Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

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.

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	PLASTPRO	EXT. DOOR	FL15180
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	MAGNOLIA	300 SERIES	FL16475
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING	TRI COUNTY	PBR 28 GA	FL15887
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			



Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
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N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS	SIMPSON	VARIOUS	FL 10446, 10456, 10655
B. TRUSS PLATES			
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

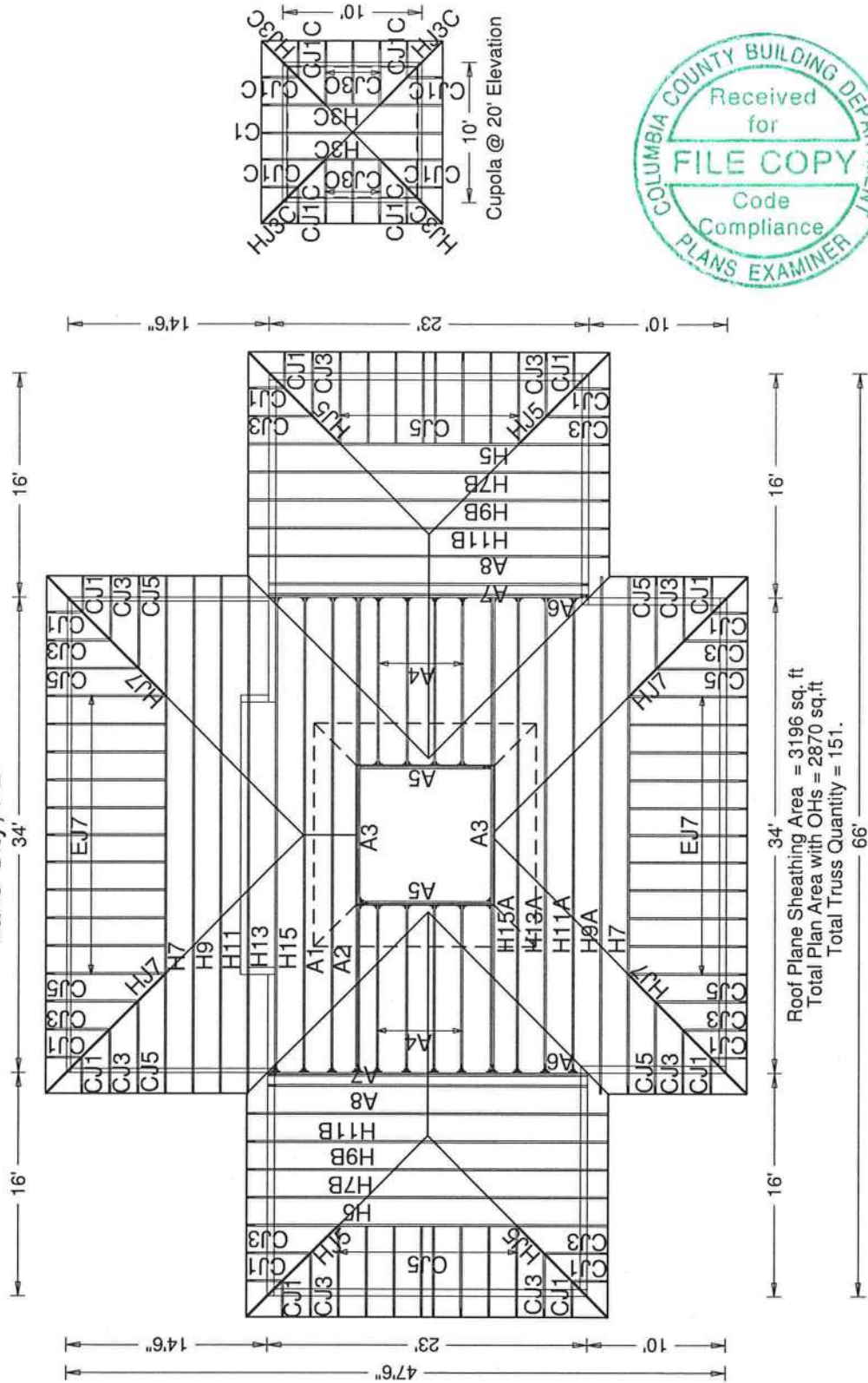


APPLICANT SIGNATURE

DATE

River House- Tramel Residence

Lake City, FL



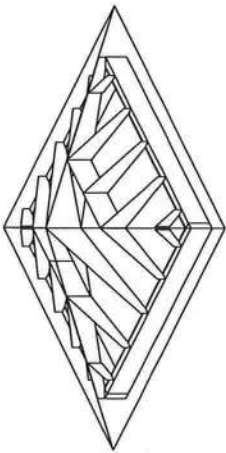
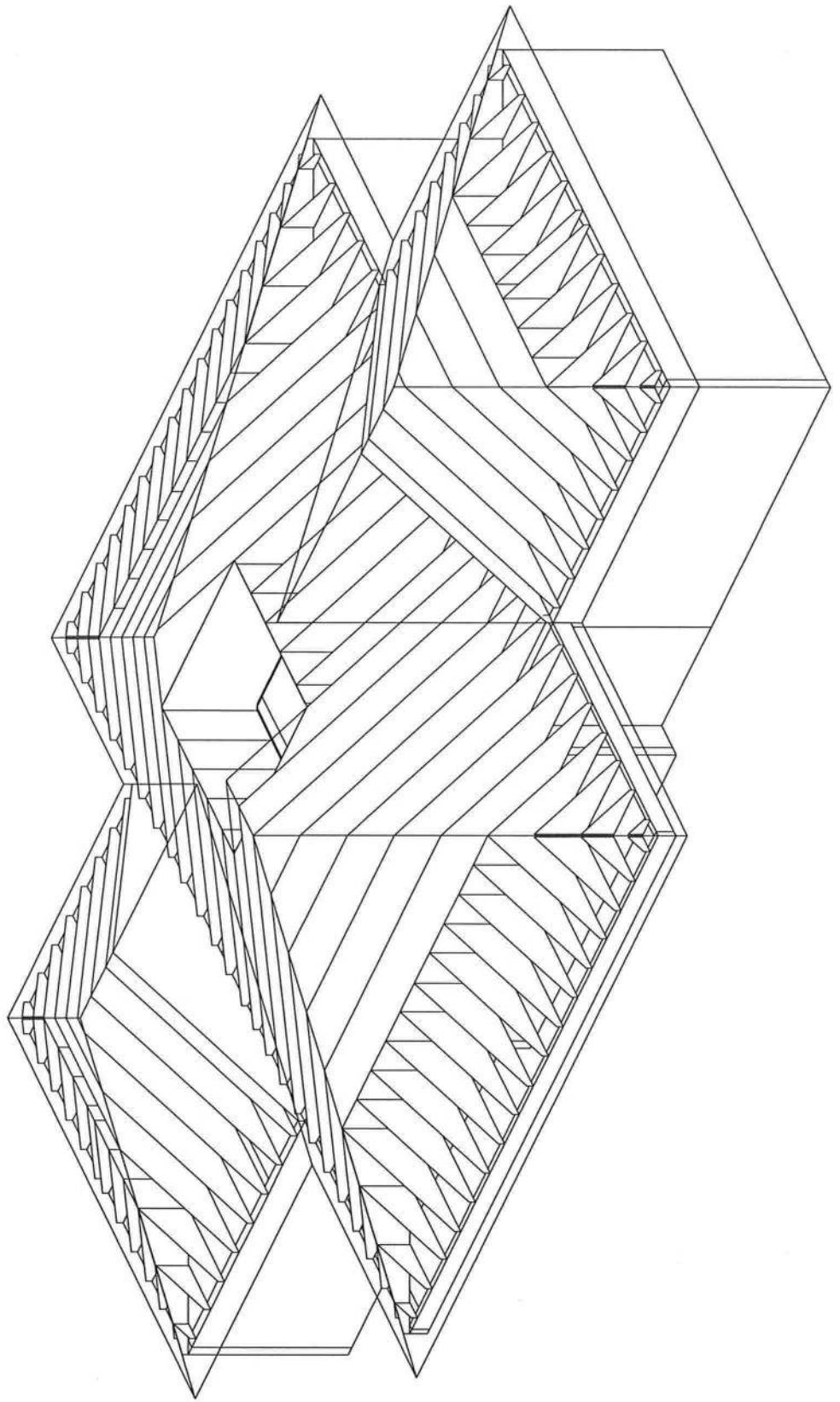
JOB DESCRIPTION: Trademark Construction
 ADDRESS: Tramel River Residence
 JOB #: 13-034A
 DESIGNER: Coleman Burlingame
 SALESMAN: Curt V Burlingame

JOB NO: 13-034A

PAGE NO: 1 OF 1

PlanName: Tramel
 Created: 07-29-2013





ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
 Florida Engineering Certificate of Authorization Number: 0 278
 Florida Certificate of Product Approval # FL1999
 Page 1 of 1 Document ID: IUYC487-Z0330114117



Truss Fabricator: **Anderson Truss Company**
 Job Identification: **13-034A--Trademark Construction Tramel River Residence -- Fort White**
 Truss Count: **32**
 Model Code: **Florida Building Code 2010**
 Truss Criteria: **FBC2010Res/TPI-2007(STD)**
 Engineering Software: **Alpine Software, Versions 12.03, 10.03.**
 Structural Engineer of Record: **The identity of the structural EOR did not exist as of the seal date per section 61G15-31.003(5a) of the FAC**
 Address: **Roof - 40.0 PSF @ 1.25 Duration**
 Minimum Design Loads: **Floor - N/A**
Wind - 120 MPH ASCE 7-10 -Closed

Notes:

- 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**
- The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.**
- As shown on attached drawings; the drawing number is preceded by: HCUSR487**

William H. Krick
 -Truss Design Engineer-

1950 Marley Drive
 Haines City, FL 33844

Details: BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	76150--A1	34' Common	13211017	07/30/13
2	76151--A2	34' Common	13211018	07/30/13
3	76152--A3	34' Common Gi	13211019	07/30/13
4	76153--A4	12' Common	13211020	07/30/13
5	76154--A5	9'6" Flat Gir	13211021	07/30/13
6	76155--A6	23' Common Gi	13211022	07/30/13
7	76156--A7	23' Common	13211023	07/30/13
8	76157--A8	23' Common	13211024	07/30/13
9	76158--C1	10' Common	13211025	07/30/13
10	76159--CJ1	1' Jack	13211026	07/30/13
11	76160--CJ1C	1' Jack	13211027	07/30/13
12	76161--CJ3	3' Jack	13211028	07/30/13
13	76162--CJ3C	3' Jack	13211029	07/30/13
14	76163--CJ5	5' End Jack	13211030	07/30/13
15	76164--EJ7	7' End Jack	13211031	07/30/13
16	76165--H11	34' Stepdown	13211032	07/30/13
17	76166--H3C	10' Stepdown	13211033	07/30/13
18	76167--H5	23' Stepdown	13211034	07/30/13
19	76168--H7	34' Stepdown	13211035	07/30/13
20	76169--H7B	23' Stepdown	13211036	07/30/13
21	76170--H9	34' Stepdown	13211037	07/30/13
22	76171--H9A	34' Stepdown	13211038	07/30/13
23	76172--H9B	23' Stepdown	13211039	07/30/13
24	76173--H11A	34' Stepdown	13211040	07/30/13
25	76174--H11B	23' Stepdown	13211041	07/30/13
26	76175--H13	34' Stepdown	13211042	07/30/13
27	76176--H13A	34' Stepdown	13211043	07/30/13
28	76177--H15	34' Stepdown	13211044	07/30/13
29	76178--H15A	34' Stepdown	13211045	07/30/13
30	76179--HJ3C	4'2"15 Hip	13211046	07/30/13
31	76180--HJ5	7'0"14 Hip J	13211047	07/30/13
32	76181--HJ7	9'10"13 Hip	13211048	07/30/13



Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

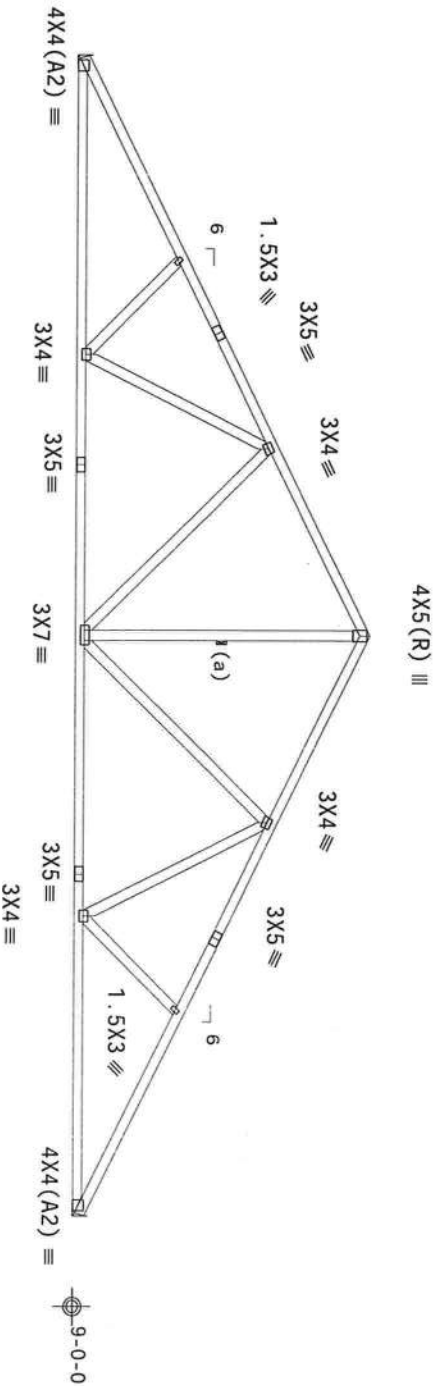
Bottom chord checked for 10.00 psf non-concurrent live load.

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

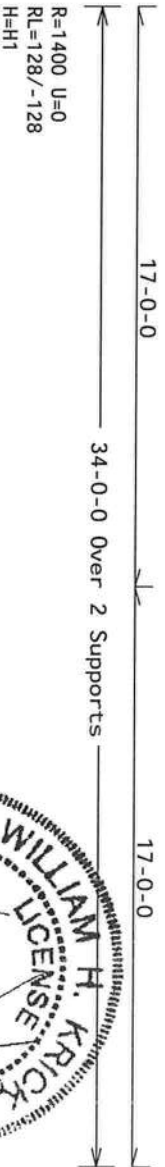
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpl (+/-)=0.18

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

(a) Continuous lateral bracing equally spaced on member.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=1400 U=0
 H=H2



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STR)
 FT/RT=(0%/0%/0/0)

12.03.04.026.14 QTY

FL/-/3/-/-/R/-

Scale = .1875"/Ft.

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

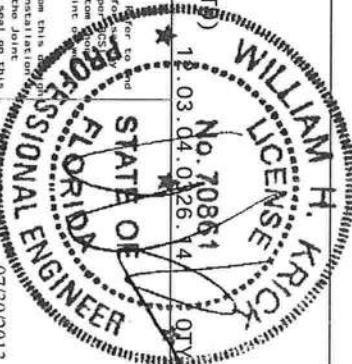
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections 89, 91 or 810, as applicable.

ITW Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from this drawing or any failure of the truss system. The manufacturer shall be responsible for any deviation from this drawing or any failure of the truss system. Apply plates to each face of truss and location of plates shall be as shown. Details, unless noted otherwise. Refer to drawings T80A-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 general responsibility of the building designer per ANSI/TP1 1 Sec.2. For more information see: This Job's general notes (1-8-95); www.tibco.com; www.tibco.com; www.spruce.org; WCA; www.industry.com; ICC; www.iccauto.org

ALPINE

ITW Building Components Group Inc.

Orlando FL 32837
 FL COA #0278



TC LL	20.0 PSF	REF R487-- 76150
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUR487 13211017
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 312358
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

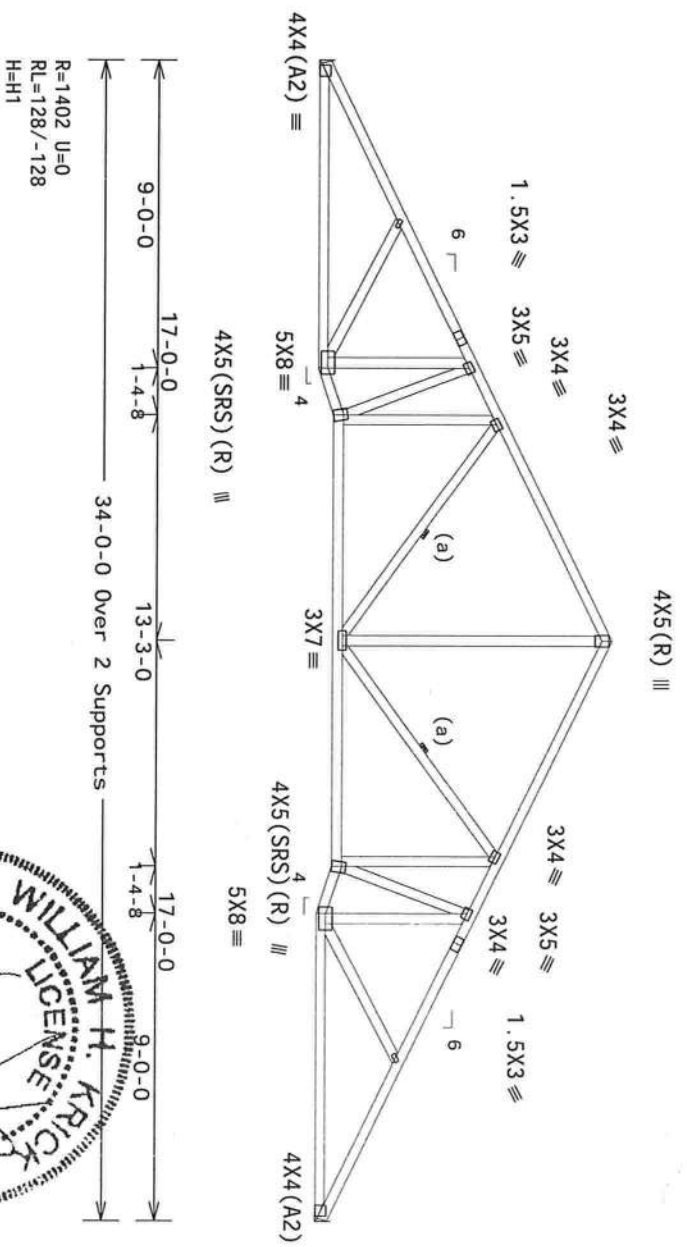
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 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=5.0 psf, wind BC DL=5.0 psf. Gcpl(+/-)=0.18

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

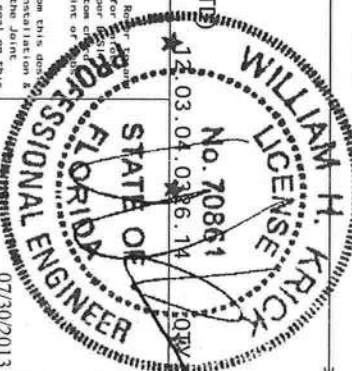
(a) Continuous lateral bracing equally spaced on member.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STR)
 FT/RT=10%(0)/20(0)

No. 70861
 07/30/2013



ALPINE
 ITW Building Components Group Inc.
 Orlando, FL 32837
 FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTA, for practices prior to performing these functions. Installers shall provide temporary bracing per details noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of shall have bracing installed per BCSI sections 63, 67 or 810, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and specifications. ITWBCG shall not be responsible for any deviation from the Joint Bracing of trusses. Apply bracing in accordance with ANSI/TPI 1, or for handling, shipping, installation and details, unless noted otherwise. Refer to drawings T80A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: This Job's ICC, www.iccsafe.org

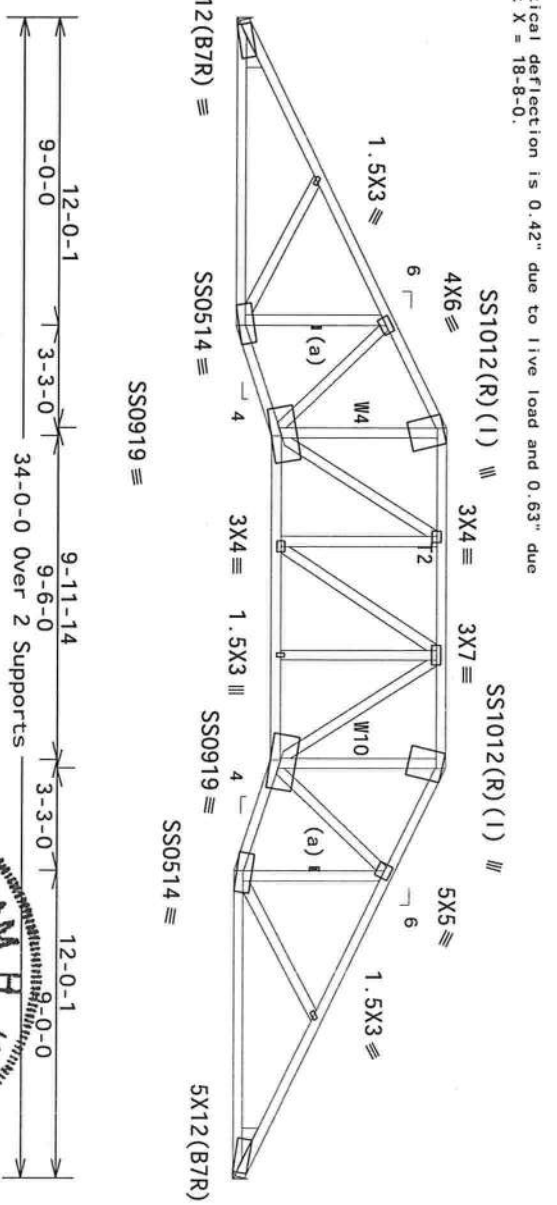
FL/-/3/-/-/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
JREF-	1UYC487_Z03

Top chord 2x4 SP #1 12A :12 2x4 SP 2850F-2.3E:
 Bot chord 2x4 SP #3 12A :W4, W10 2x4 SP #1 12A:
 Webs 2x6 SP #2 12A :Rt Wedge 2x6 SP #2 12A:
 Lt Wedge 2x6 SP #2 12A:
 Lumber grades designated with "12A" use design values approved
 1/5/2012 by ALSC.

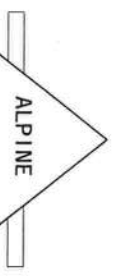
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Special loads
 -----(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
 TC- From 62 pif at 0.00 to 62 pif at 12.00
 TC- From 562 pif at 12.00 to 562 pif at 22.00
 TC- From 62 pif at 22.00 to 62 pif at 34.00
 BC- From 20 pif at 0.00 to 20 pif at 9.00
 BC- From 20 pif at 9.00 to 20 pif at 12.25
 BC- From 20 pif at 12.25 to 20 pif at 21.75
 BC- From 20 pif at 21.75 to 20 pif at 25.00
 BC- From 20 pif at 25.00 to 20 pif at 34.00
 BC- 3477.40 lb Conc. Load at 12.13
 BC- 3619.75 lb Conc. Load at 21.98

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 Calculated vertical deflection is 0.42" due to live load and 0.63" due to dead load at X = 18-8-0.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



PLT TYP. 18 Gauge HS,Wave
 Design Crit: FBC2010Res/TP1 -2007 (S)E
 FT/RT=10%(0%)/0(0)



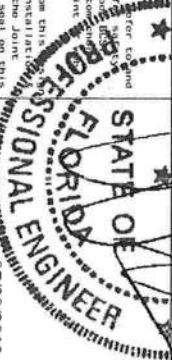
ITW Building Components Group Inc.
 Orlando FL 32837
 FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For load follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for installation practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking. All blocking shall have blocking installed per BCSI sections B3, B7 or B10, as applicable.
 The Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design. The contractor shall be responsible for providing proper bracing, installation, and bracing of trusses. Apply plates to each face of truss and position as shown. 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/TP1 1 Sec.2. For more information see: This Job's IBC: www.icscnet.org

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" min. nails
 Top Chord: 1 Row @ 5.75" o.c.
 Bot Chord: 1 Row @ 7.25" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

(1) - Plates so marked were sized using a Fabrication Tolerance of 0% and a Rotational Tolerance of 0 degrees.
 120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 18.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpl(+/-)=0.18
 Wind loads and reactions based on MMFRS.
 Calculated horizontal deflection is 0.17" due to live load and 0.26" due to dead load.
 (a) Continuous lateral bracing equally spaced on member.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



FL/-/3/-/-/R/-	Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF R487-- 76152
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUR487 13211019
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 312405
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

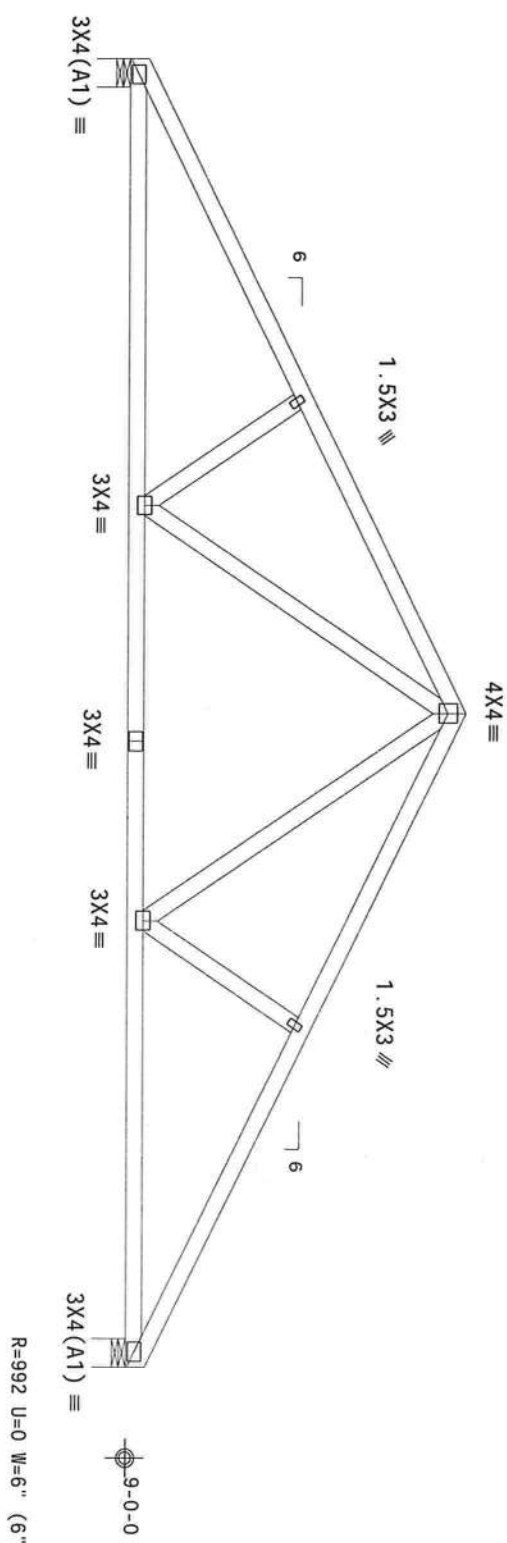
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18

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

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

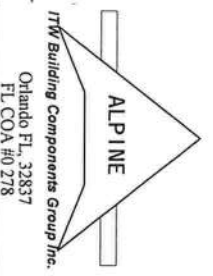
Bottom chord checked for 10.00 psf non-concurrent live load.

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



PLT TYP. Wave

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



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Be sure to follow the latest edition of BC51 (Building Component Safety Information, by TRUSS MFR) for practices prior to performing these functions. Installers shall provide temporary bracing per details 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 shall have bracing installed per BC51 sections 83, 87 or 810, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TP1-1, or for handling, shipping, installation & bracing of trusses noted apply practices. For details on bracing and installation, refer to the Detailing and Bracing Manual. The design engineer, including acceptance of professional engineering 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/TP1 1 Sec. 2. For more information see: This Job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTA: www.aberindustry.com; ICS: www.icsaite.org

TC LL	20.0 PSF	REF R487--	76156
TC DL	10.0 PSF	DATE	07/30/13
BC DL	10.0 PSF	DRW HCUR487	13211023
BC LL	0.0 PSF	HC-ENG WHK/WHK	
TOT. LD.	40.0 PSF	SEQN-	312490
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UYC487_Z03

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

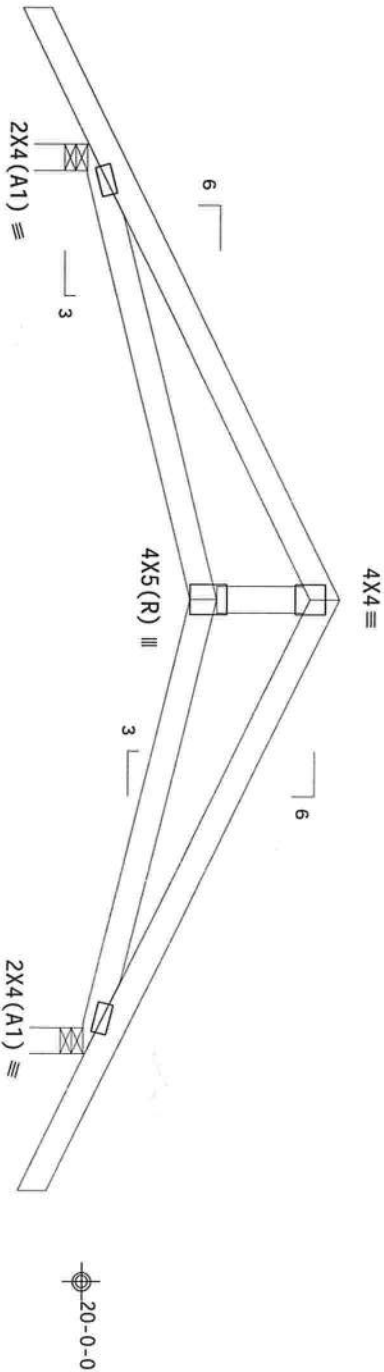
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

120 mph wind, 21.22 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=5.0 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.

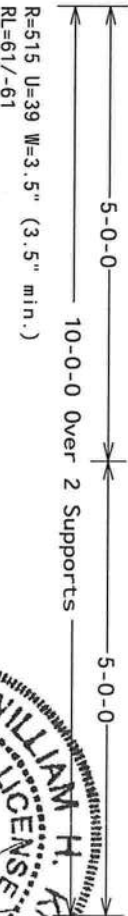
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



←1-6-0→

←1-6-0→

R=515 U=39 W=3.5" (3.5" min.)



R=515 U=39 W=3.5" (3.5" min.)
 RL=61/-61

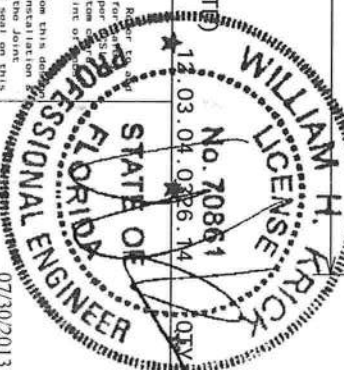
PLT TYP. Wave

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

12.03.04.026.14

FL/-/3/-/-/R/-

Scale = .5"/Ft.



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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following for the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for truss erection practices prior to performing these functions. Installers shall provide temporary bracing per the manufacturer's instructions. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing in accordance with BCSI Section B1, B7 or as applicable.

TW Building Components Group, Inc. (TWBCG) shall accept responsibility for any deviation from this design. Any failure to build the truss in accordance with the design shall be the responsibility of the contractor. Details of trusses. Apply plates to each face of truss and position as shown on points on detail drawings or cover page listing this drawing. Indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: general notes page 1 TW-BCSI. See: loading data: TPI. See: splices: WTA. See: bracing: TWBCG. See: www.twbcg.com. See: www.letsafe.org. ICI: www.letsafe.org

ALPINE

TW Building Components Group, Inc.

Orlando FL, 32837
 FL COA #0 278

TC LL	20.0 PSF	REF	R487--	76158
TC DL	10.0 PSF	DATE	07/30/13	
BC DL	10.0 PSF	DRW	HCSR487	13211025
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT. LD.	40.0 PSF	SEQN-	312333	
DUR. FAC.	1.25			
SPACING	24.0"	JREF	1UYCA87_203	

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

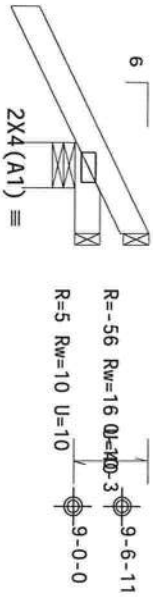
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord. Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg. Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 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.



←1-6-0→

1-0-0 Over 0.30 Supports

R=254 U=22 W=6"
RL=20

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

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET.**

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Truss require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for installation and bracing instructions. Truss chord shall have properly attached structural sheathing and bottom chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

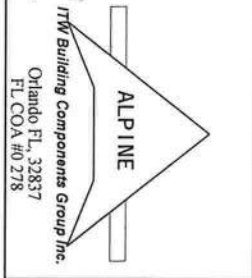
TW Building Components, Group Inc. (TWBC) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with AWSI/TPI details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: this structure is a general notes page: TW-BCSI: www.bcsi.org; TPI: www.tpi-inc.org; WCA: www.theindustry.com; ICC: www.international-codes.org



FL/-/3/-/-/R/-

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 76159
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HOURS487 13211026
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 295654
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03



Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

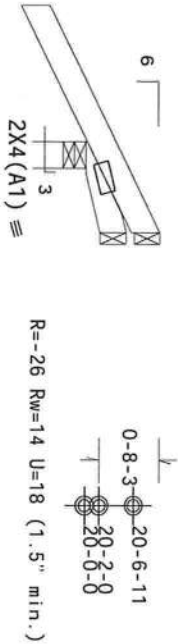
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Shim all supports to solid bearing.

120 mph wind, 20.22 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Gcpl(+/-)=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.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

R=-45 Rw=16 U=33 (1.5" min.)



← 1-6-0 →
 1-0-0 Over 3 Supports

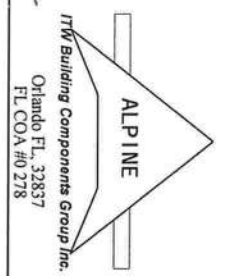
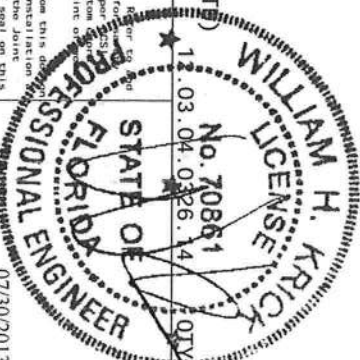
R=254 U=34 W=3.5" (3.5" min.)
 RL=26

Design Cr it: FBC2010Res/TPI -2007(STE)
 FT/RT=10% (0%)/0(0)

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety) Information, by TPI and WPCA for details on these practices prior to performing these functions. Installers shall provide temporary bracing per BCSI's noted observation, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B15, as applicable.

TW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with the design. TWBCG shall not be responsible for any bracing of trusses. Apply plates to each face of truss and position as shown and on the drawing or cover page listing this drawing. Indicate 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 ASIS/TPI 1 Sec. 2. For more information see: This Job's ICD: www.icsafe.org



TC LL	20.0 PSF	REF R487-- 76160
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUR487 13211027
BC LL	0.0 PSF	HC-ENG WHK/MHK
TOT. LD.	40.0 PSF	SEQN- 312329
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

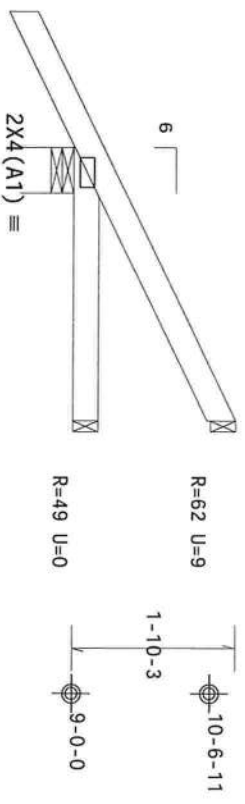
Scale = .5"/Ft.

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

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpI(+/-)=0.18
 Wind loads and reactions based on MMFRS with additional C&C member design.
 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.

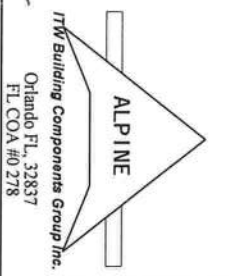


←1-6-0→

3-0-0 over 3-0-0 Supports
 R=262 U=2 W=6"
 RL=37

PLT TYP. Wave

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



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Truss require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing per the notes on drawings. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B1, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall be responsible for any deviation from this design. Any failure to build the truss as shown shall be the responsibility of the contractor. 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 ASIS/TPI 1 Sec. 2. For more information see: This Job's general notes page. © ITW BCG, www.itsdg.com, TPI www.springs.org, WTCA www.structindustry.com, ICC: www.iccsafe.org

TC LL	20.0 PSF	REF R487-- 76161
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUSR487 13211028
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEON- 295655
DUR. FAC.	1.25	
SPACING	24.0"	JREF - 1UYC487_Z03

Scale = .5"/Ft.

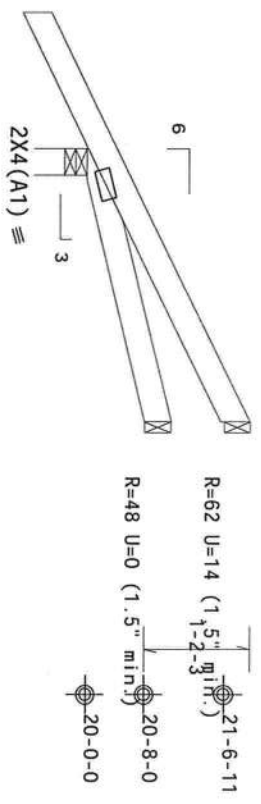
Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Shim all supports to solid bearing.

120 mph wind, 20.72 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18
Wind loads and reactions based on MMFRS 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.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



PLT TYP. Wave

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



ALPINE
TW Building Components Group Inc.
Orlando, FL, 32837
FL COA #0278

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****WARNING**** FURNISH THIS DESIGN TO ALL CONTRACTORS, INCLUDING INSTALLERS.
Trusses, require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Fabricating Component Safety Information, by TPI and WCA) and other practices prior to performing these functions. Installers shall provide temporary bracing and bracing 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
The Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing details, unless noted otherwise. Before erecting the truss, the position as shown above and on the joint drawing or cover page listing this drawing. 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; TWBCG: www.twbcg.com; TPI: www.tpiinc.org; WCA: www.structure.com; IBC: www.ircbca.org

TC LL	20.0 PSF	REF R487-- 76162
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUSR487 13211029
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 312331
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_203

Scale = .5"/Ft.

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

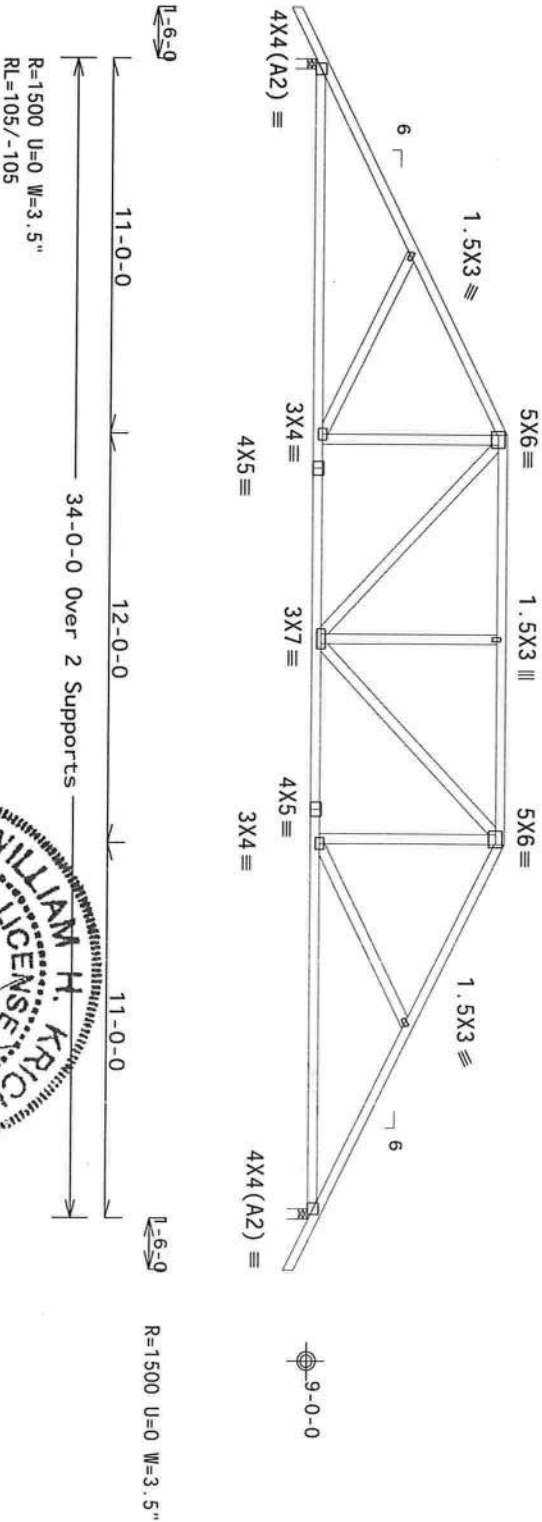
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCp(+/-)=0.18

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

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(STR)
 FT/RT=10%(0%)/0(0)

10.03.11.0209.19

FL/-/3/-/-/R/-

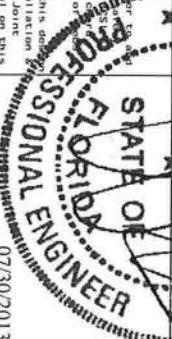
Scale = .1875"/Ft.

ALPINE



ITW Building Components Group Inc.
 Orlando FL 32837
 FL COA #0278

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Read or consult the latest edition of BCSI (Building Component Safety Information, by TP1 and MTK) for the correct practice prior to performing these functions. Installers shall provide temporary bracing per the drawings and shall have properly attached structural sheathing and bottom chord bracing. All members shall have a properly installed and secured lateral restraint or bracing. All members 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 or any failure to build the truss in conformance with ANSI/TP1 or other applicable standards. The user of this design shall be responsible for obtaining all necessary permits, approvals, and bracing of trusses. Apply plates to each face of truss and position as shown and on the details, unless noted otherwise. Refer to drawings 180A-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 user. For more information see: This Job's general notes page; ITW-BCSI: www.bcsinfo.org; TP1: www.tp1info.com; MTK: www.mtkindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF R487--	76165
TC DL	10.0 PSF	DATE	07/30/13
BC DL	10.0 PSF	DRW HCUSR487	13211032
BC LL	0.0 PSF	HC-ENG WHK/WHK	
TOT. LD.	40.0 PSF	SEQN-	296382
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UYC487_Z03

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

120 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=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

Wind loads and reactions based on MMFRS.

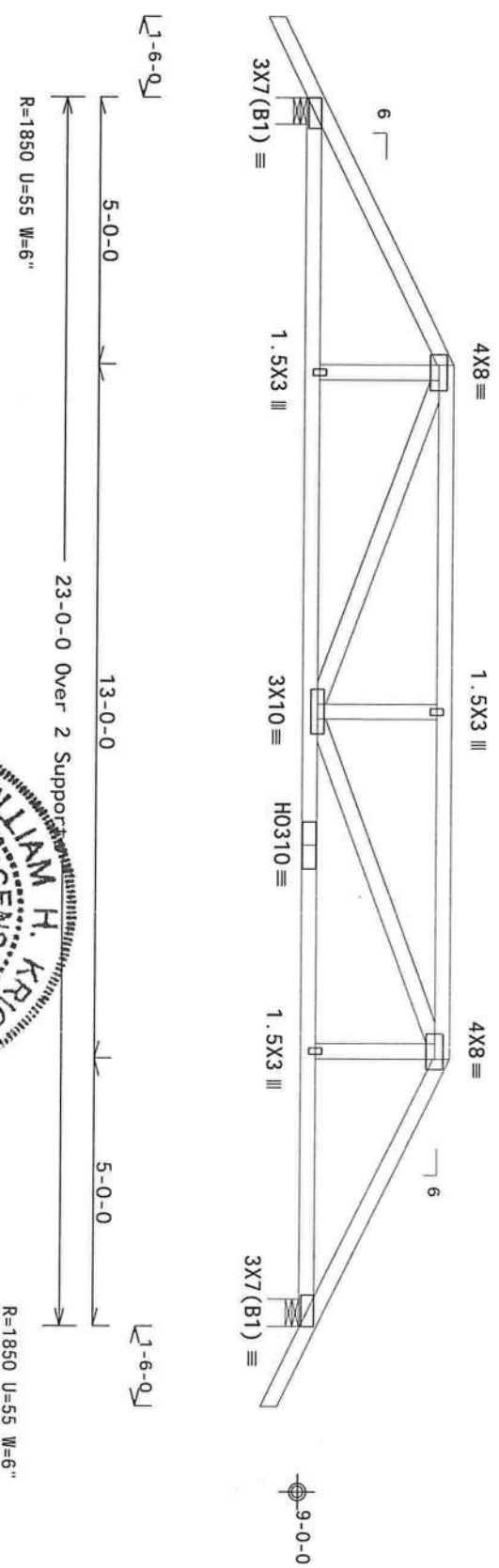
Bottom chord checked for 10.00 psf non-concurrent live load.

Special Loads

---	(Lumber Dur. Fac.=1.25 / Plate Dur. Fac.=1.25)
TC-From	62 pif at -1.50 to 62 pif at 5.00
TC-From	31 pif at 5.00 to 31 pif at 18.00
TC-From	62 pif at 18.00 to 62 pif at 24.50
BC-From	4 pif at -1.50 to 4 pif at 0.00
BC-From	20 pif at 0.00 to 20 pif at 5.03
BC-From	20 pif at 5.03 to 10 pif at 17.97
BC-From	4 pif at 17.97 to 4 pif at 23.00
TC-204.03	4 pif at 23.00 to 4 pif at 24.50
TC-127.39	1b Conc. Load at 5.03, 17.97
TC-127.39	1b Conc. Load at 7.06, 9.06, 11.06, 11.94
BC-127.39	1b Conc. Load at 5.03, 17.97
BC-89.47	1b Conc. Load at 7.06, 9.06, 11.06, 11.94

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

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

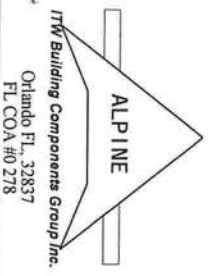


PLT TYP. 20 Gauge HS Wave

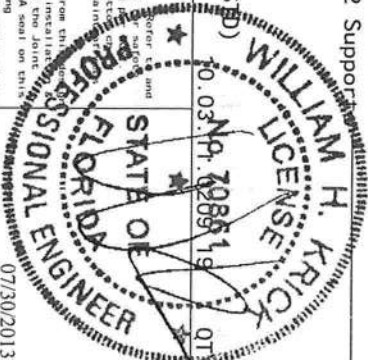
Design Crit: FBC2010Res/TPI-2007(STB)
 FT/RT=10%(0%)/0(0)

07/30/2013

Scale = .3125"/Ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTA. Practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted otherwise. Top chord shall have properly attached structural sheathing and blocking shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have blocking 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 or for any damage to the building or its contents. The user of this design shall be responsible for the design of the building and the responsibility of the building designer per ANSI/TPI 1 Sec 2. For more information see: This Job's General Notes Page; ITW BCSI: www.bcsi.com; TPI: www.tpiinc.org; WTA: www.adcindustry.com; DCS: www.fisherieng.com



FL/-/3/-/R/-	REF	DATE	DATE
TC LL	20.0 PSF	R487--	76167
TC DL	10.0 PSF		07/30/13
BC DL	10.0 PSF	DRW	HCUSR487 13211034
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	295696
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UYC487_Z03

Top chord 2x4 SP #1 12A :T2, T3 2x6 SP #1 Dense, 12A:
 Bot chord 2x6 SP #1 Dense, 12A :B2 2x6 SP SS 12A:
 Webs 2x4 SP #3 12A :W2, W6 2x4 SP #1 12A:
 Lumber grades designated with "12A" use design values approved
 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013
 and shall only be used on projects designed and permitted prior to
 this date unless specifically approved in writing by the building
 authority having jurisdiction, the building designer and the project
 owner.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located
 within 9.00 ft from roof edge, RISK CAT 11, EXP B, wind TC DL=5.0 psf,
 wind BC DL=5.0 psf, GCPI (+/-)=0.18

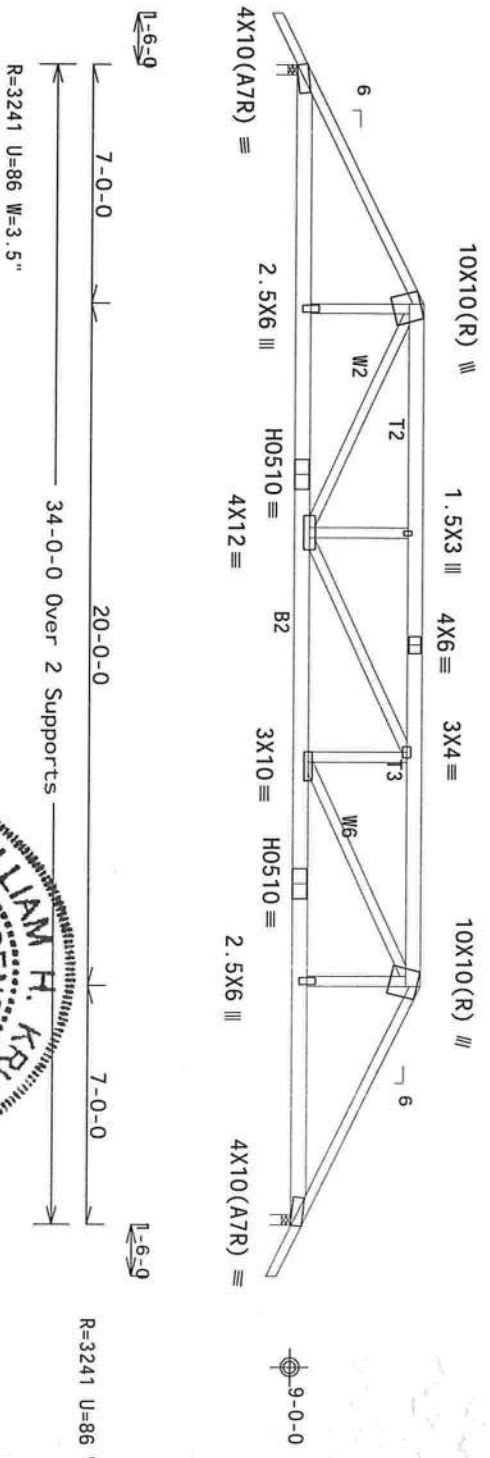
Wind loads and reactions based on MWFRS.

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

Special Loads

TC-From	Dur. Fac.	=1.25 / Plate	Dur. Fac.	=1.25
TC-From	62 pif at -1.50 to		62 pif at 7.00	
TC-From	31 pif at 7.00 to		31 pif at 27.00	
TC-From	62 pif at 27.00 to		62 pif at 35.50	
BC-From	4 pif at -1.50 to		4 pif at 0.00	
BC-From	20 pif at 0.00 to		20 pif at 7.03	
BC-From	10 pif at 7.03 to		10 pif at 26.97	
BC-From	20 pif at 26.97 to		20 pif at 34.00	
BC-From	4 pif at 34.00 to		4 pif at 35.50	
TC-269.56 lb Conc.	Load at		7.03, 26.97	
TC-187.31 lb Conc.	Load at		9.06, 11.06, 13.06, 15.06	
TC-17.00, 18.94, 20.94, 22.94, 24.94	Load at		7.03, 26.97	
BC-461.02 lb Conc.	Load at		9.06, 11.06, 13.06, 15.06	
BC-128.66 lb Conc.	Load at		9.06, 11.06, 13.06, 15.06	
TC-17.00, 18.94, 20.94, 22.94, 24.94	Load at		7.03, 26.97	

In lieu of structural panels use purlins to brace all flat TC @ 24"
 OC.
 Deflection meets L/240 live and L/180 total load. Creep increase
 factor for dead load is 1.50.



PLT TYP. 20 Gauge HS, Wave

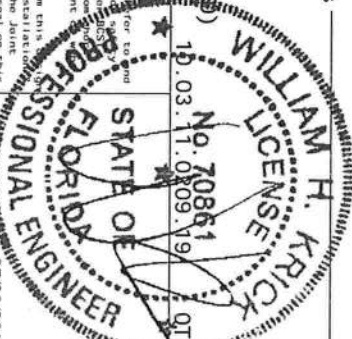
Design Crit: FBC2010Res/TP1-2007(STR)
 FT/RT=10%(0%)/0(0)

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

Truss require extreme care in fabricating, handling, shipping, unloading and bracing.
 Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for
 practices prior to performing these functions. Installers shall provide temporary bracing
 unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom
 shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint
 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
 The Building Components Group Inc. (TIBCO) shall not be responsible for any deviation from this
 and TIBCO shall not be responsible for any deviation from this design. The Building Components
 Group Inc. (TIBCO) shall not be responsible for any deviation from this design. The Building
 Components Group Inc. (TIBCO) shall not be responsible for any deviation from this design.
 Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate products used on this
 drawing or cover page listing this drawing. The suitability and use of this design for any structure is
 the responsibility of the Building Designer per ANSI/TP1 1 Sec.2. For more information see: This Job's
 IBC: www.icscra.org
 IBC: www.icscra.org

ALPINE

ITW Building Components Group Inc.
 Orlando, FL 32837
 FL COA #0278



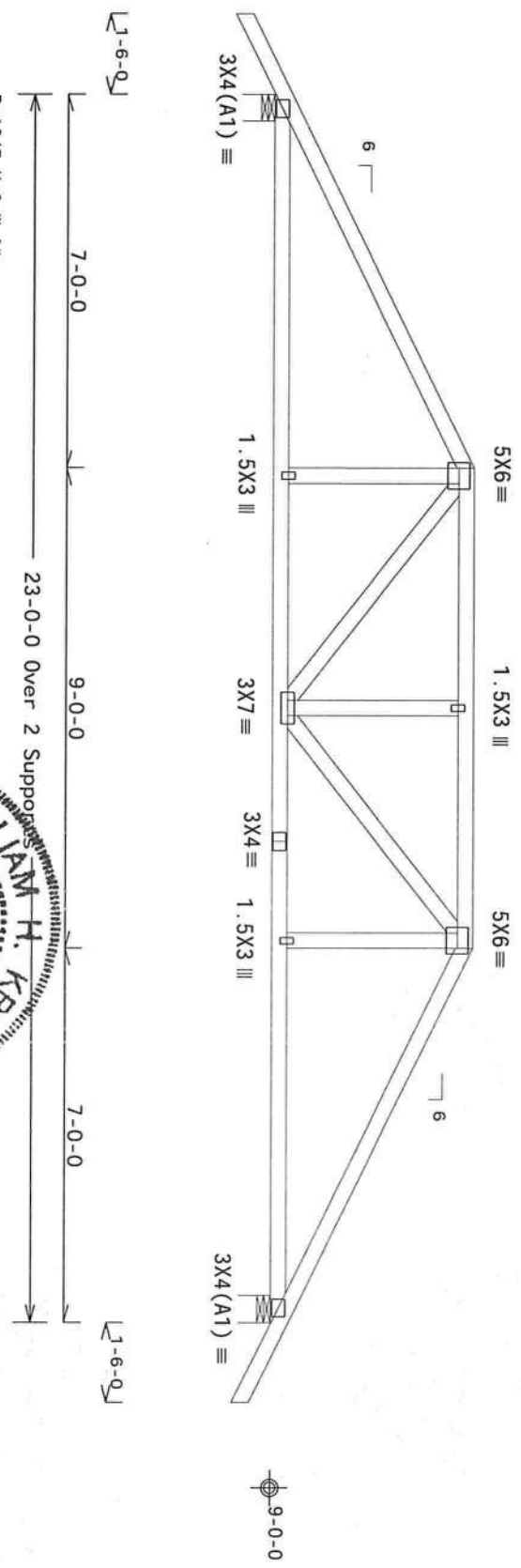
FL/-/3/-/1/R/-	Scale = .1875"/Ft.
TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"
REF R487--	76168
DATE	07/30/13
DRW HCUSR487	13211035
HC-ENG WHK/WHK	
SEQN-	296446

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

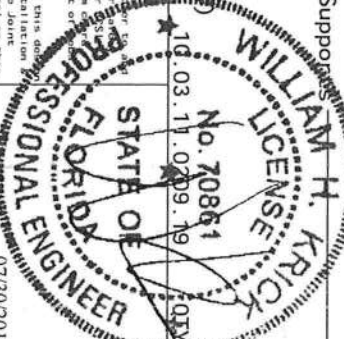
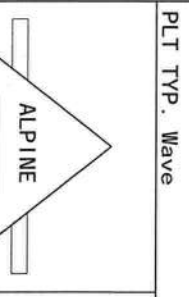
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18
 Wind loads and reactions based on MWFRS with additional C&C member design.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 Bottom chord checked for 10.00 psf non-concurrent live load.
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=1047 U=3 W=6"
 RL=73/-73

R=1047 U=3 W=6"

Design Crit: FBC2010Res/TP1-2007(Std)
 FT/RT=10%(0%)/0(0)



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****WARNING**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) for practices prior to performing these functions. Installers shall provide temporary bracing per details unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of truss 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 or bracing, unless noted otherwise, shall be the responsibility of the contractor. For more information on this drawing or cover page listing this drawing, 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-BCSI; www.bcsi.com; TPI: www.tpiinc.com; WTA: www.wta-industry.com; ICSI: www.icsi.org

ITW Building Components Group Inc.
 Orlando FL 32837
 FL COA #0278

FL/-/3/-/-/R/-	Scale = .3125"/Ft.	
TC LL	20.0 PSF	REF R487-- 76169
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUSR487 13211036
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 295663
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

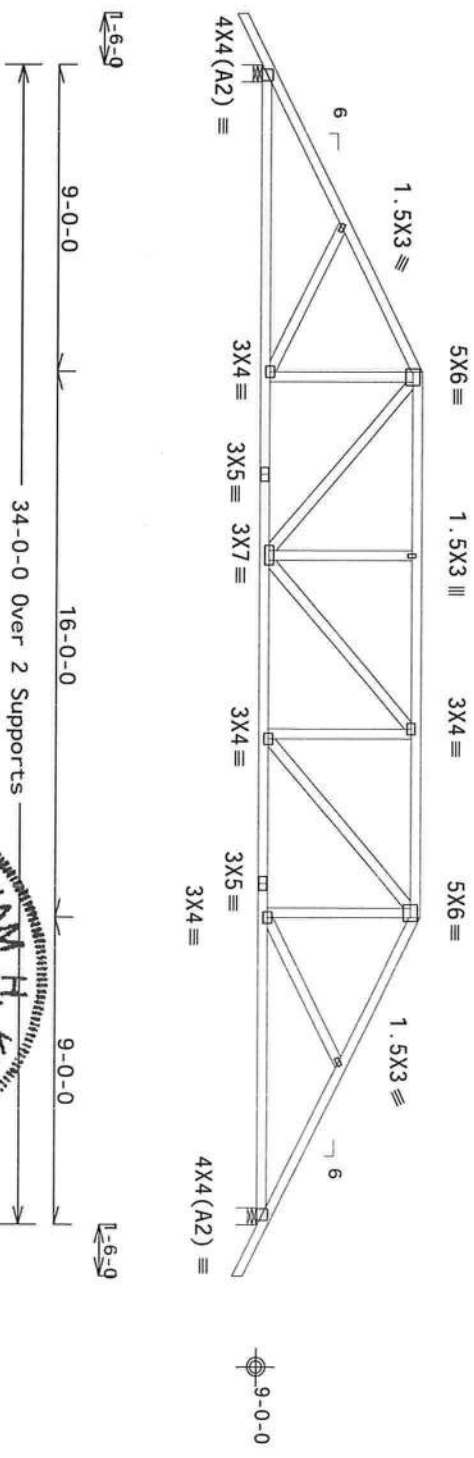
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18

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

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

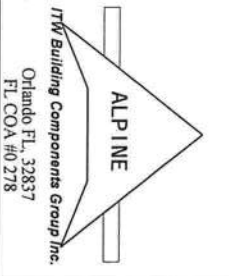
Bottom chord checked for 10.00 psf non-concurrent live load.

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



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(ST)
 FT/RT=10%(0%)/0(0)



****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. For more information, refer to the latest edition of BCSI (Building Component Safety) Information, by TPI and WCA. Follow the practices prior to performing these functions. Installers shall provide temporary bracing for all trusses noted otherwise. Top chord shall have proper structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections 03, 07 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and bracing. ITWBCG shall not be responsible for any handling, shipping, installation, or bracing of trusses. Apply bracing in accordance with ANSI/TPI 1, or for handling, shipping, installation, details, unless noted otherwise. Refer to drawings 100A-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 IBC: www.icsc.org; ITW-Info: www.itwbcg.com; TPI: www.tpi.net; WCA: www.adcindustry.com; IBC: www.icsc.org

FL/-/3/-/-/R/-	Scale = .1875"/Ft.
TC LL 20.0 PSF	REF R487-- 76171
TC DL 10.0 PSF	DATE 07/30/13
BC DL 10.0 PSF	DRW HCUSR487 13211038
BC LL 0.0 PSF	HC-ENG WHK/WHK
TOT. LD. 40.0 PSF	SEQN- 312493
DUR. FAC. 1.25	
SPACING 24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

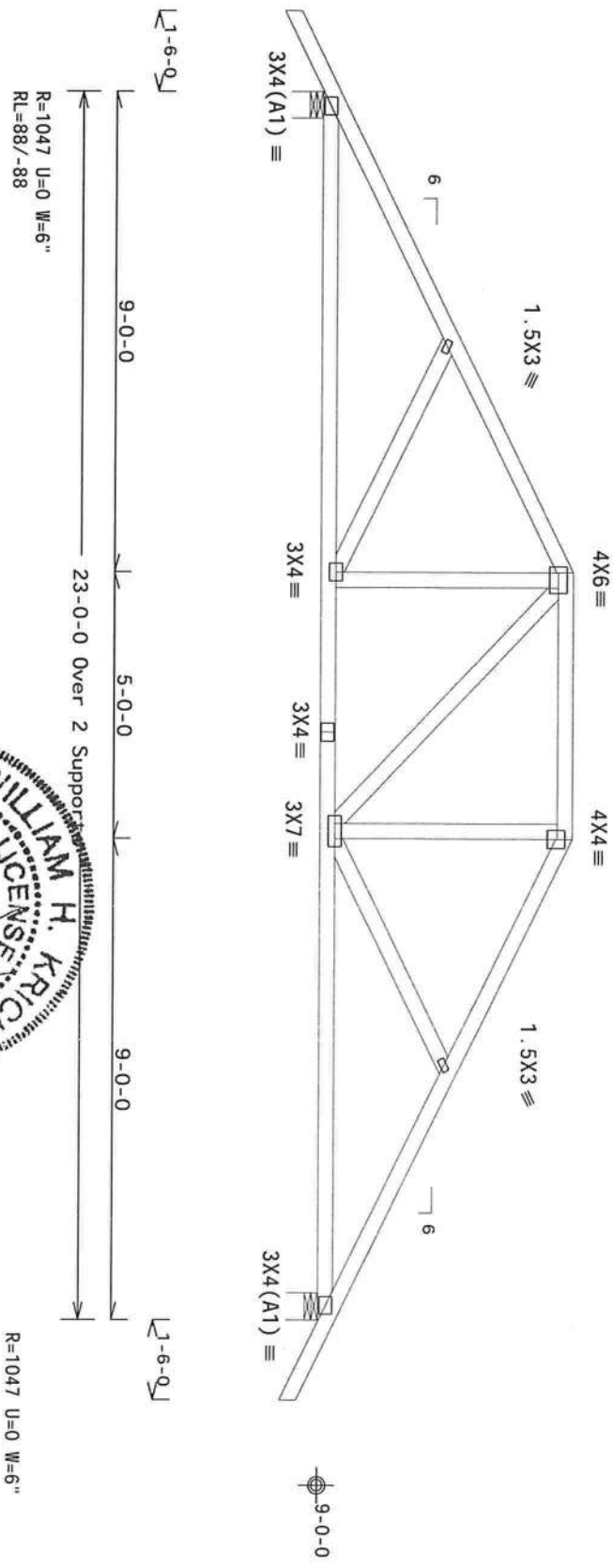
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, Gcpl(+/-)=0.18

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

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

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

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

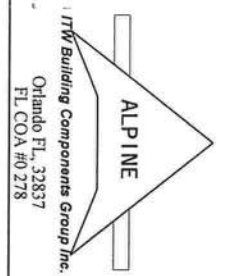


PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(SD)
 FT/RT=10%(0%)/0(0)

WILLIAM H. KRICK
 LICENSE
 STATE OF FLORIDA
 ENGINEER
 07/30/2013

Scale = .3125"/ft.



****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and bracing. All connections 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. The user of this design shall be responsible for any deviation from this design. In the event of any failure to follow the design, the user shall be responsible for any structural failure. Details, unless noted otherwise. Refer to drawings T60A-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 general responsibility of the building designer per ASCE/TP1 1 Sec.2. For more information see: This Job's general notes page of the design shown. TPI: www.tpi.com; WTA: www.wta.com; BCSI: www.bcsi.org; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF R487-- 76172
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCUSR487 13211039
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 295661
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

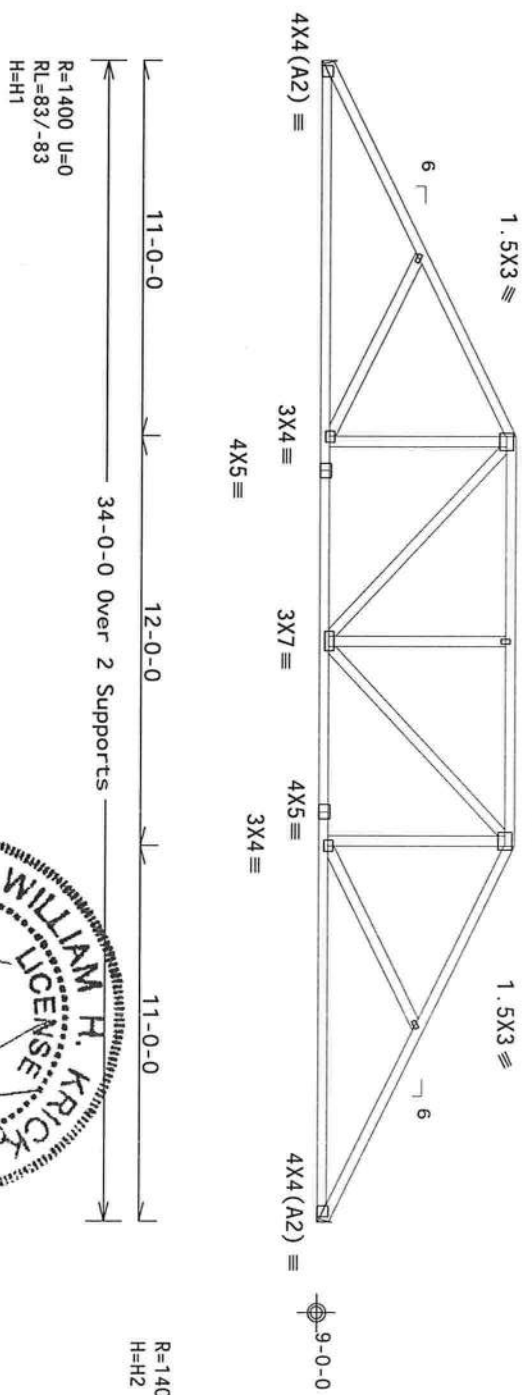
Bottom chord checked for 10.00 psf non-concurrent live load.
 MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 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=5.0 psf, wind BC DL=5.0 psf, GCp1 (+/-)=0.18

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

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

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



PLT TYP. Wave

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

12.03.04.0026.14

FL/-/3/-/-/R/-
 Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.
 Orlando FL, 32837
 FL COA #0 278

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) practices prior to performing these functions. Installers shall provide temporary bracing protection until the truss is permanently braced. Trusses shall have properly attached structural sheathing and blocking. Trusses shall have blocking installed per BCSI Section B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in accordance with this design. The user of this design shall be responsible for any deviation from this design. Apply plates to each face of truss and position as shown 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 user. For more information see: This Job's general notes page. ITW BCSI: www.bcsi.org; TPI: www.tpi-inc.com; WTC: www.structure.com; IBC: www.iesafe.org



TC LL	20.0 PSF	REF	R487--	76173
TC DL	10.0 PSF	DATE	07/30/13	
BC DL	10.0 PSF	DRW	HGUSR487	13211040
BC LL	0.0 PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0 PSF	SEQN-	312369	
DUR.FAC.	1.25	JREF-	1UYC487_Z03	
SPACING	24.0"			

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Webs 2x4 SP_#3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

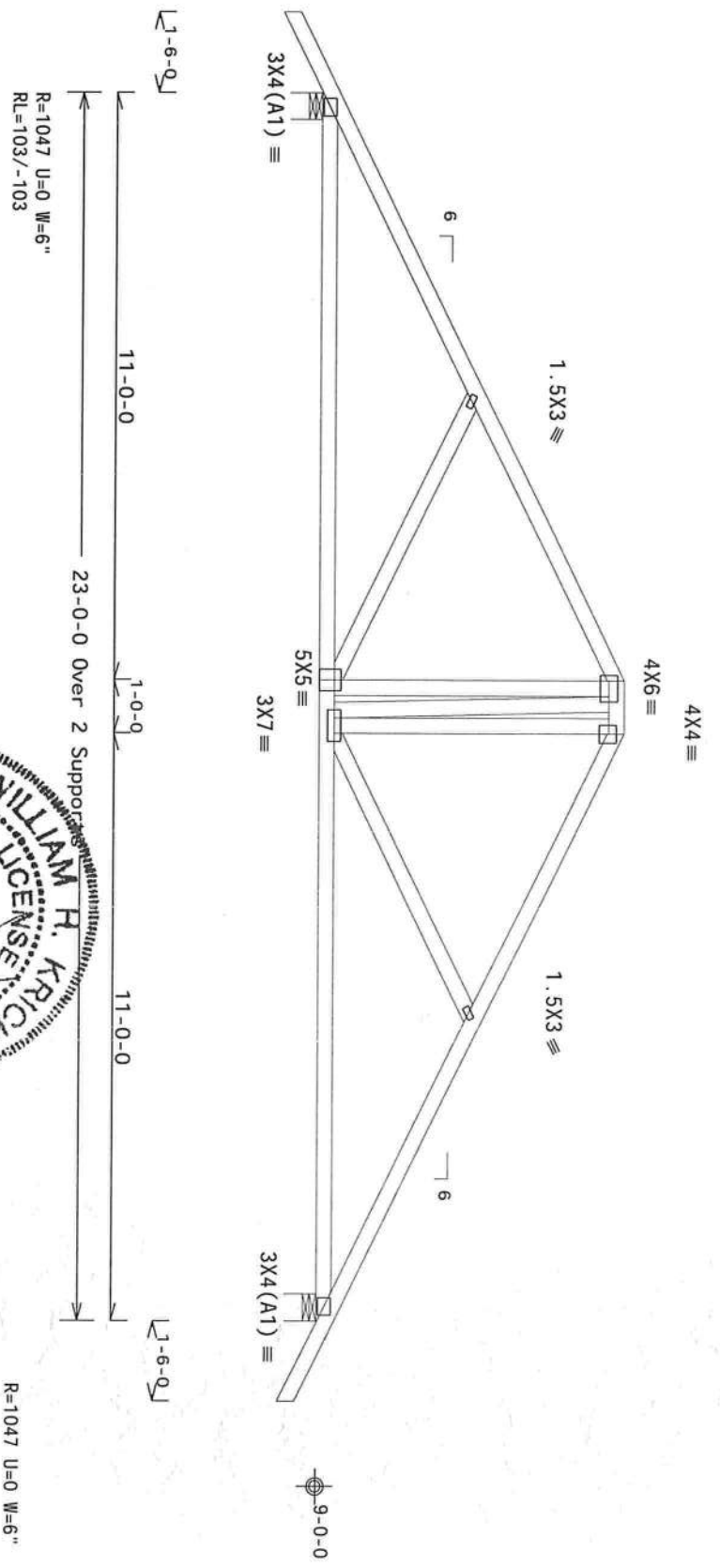
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 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=5.0 psf, wind BC DL=5.0 psf, GCpl(+/-)=0.18
 Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(S10)
 FT/RT=10%(0%)/0(0)

1D.03 N9.70861
 0620919

QTY 2 FL/-/3/-/1/R/-

Scale = .3125"/Ft.

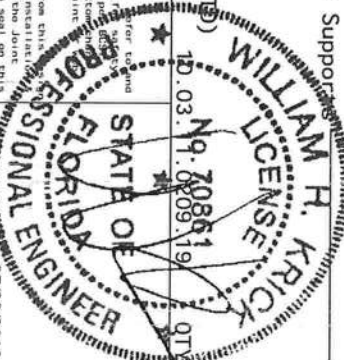
R=1047 U=0 W=6"
 RL=103/-103

R=1047 U=0 W=6"

ALPINE

ITW Building Components Group Inc.
 Orlando FL, 32837
 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. For each truss follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTA) and the manufacturer's practices prior to performing these functions. Installers shall provide temporary bracing and bracing details as shown on this drawing. Trusses 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 or any failure to build the truss in accordance with the design. The manufacturer shall be responsible for the design of the truss and for the design of the bracing of trusses. Apply plates to each face of truss and position in accordance with the manufacturer's details, unless noted otherwise. Refer to drawings T60A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineer responsibility for the design shown. The suitability and use of this design for any structure is the responsibility of the user. For more information see: This Job's general notes page or ITW BCSI: www.itwbcg.com; TPI: www.tpiinc.com; WTA: www.wta-structure.com; ICC: www.iccarchive.org



TC LL	20.0 PSF	REF R487-- 76174
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HOURS487 13211041
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 295659
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Top chord 2x4 SP #1_12A
 Bot chord 2x4 SP #1_12A
 Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

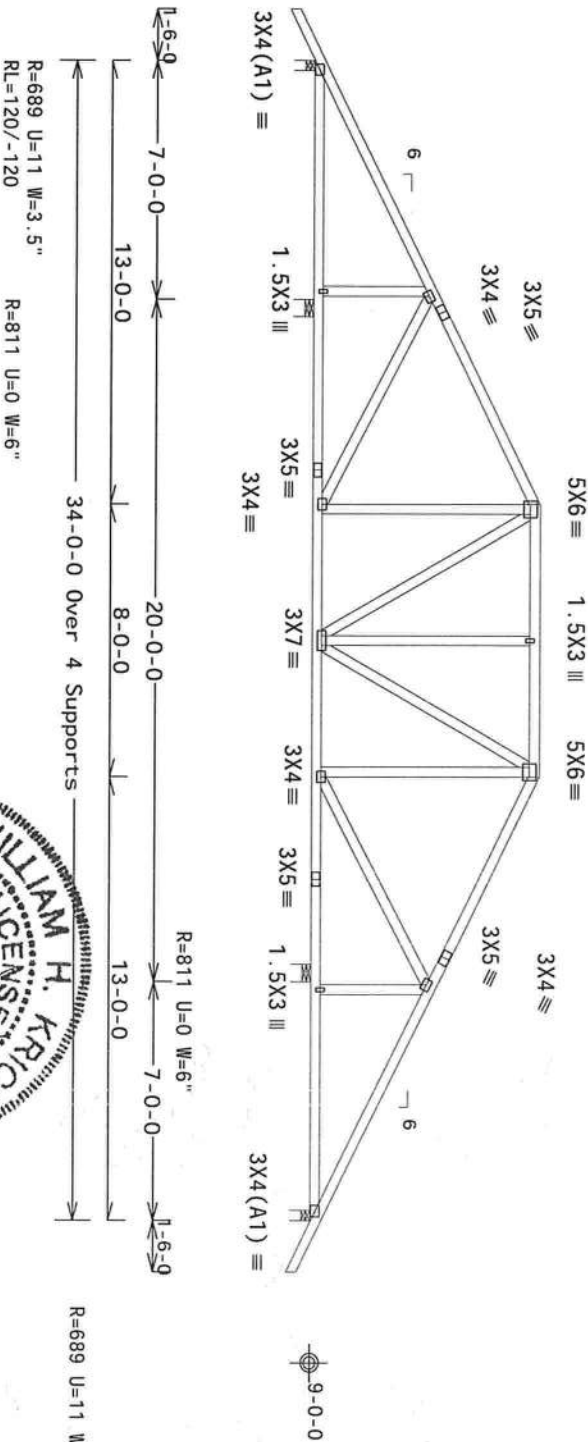
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 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=5.0 psf, wind BC DL=9.0 psf. Gcpl(+/-)=0.18
 Wind loads and reactions based on MWFRS with additional C&C member design.

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

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

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



PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007(SB)
 FT/RT=10%(0%)/0(0)

07/30/2013

Scale = .1875"/ft.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TP1 and WTCA) practices prior to performing these functions. Installers shall provide temporary bracing in all areas where needed otherwise, top chord shall have properly attached structural sheathing and bot chord shall have bracing installed per BCSI section B1, B1 or B10, as applicable.

TP1 Building Components Group Inc. (TP1BCG) shall have the responsibility for any deviation from this drawing or any other drawings, specifications, or other documents. TP1BCG shall be responsible for any bracing of trusses. Apply plates to each face of truss and position an angle on each detail, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on this drawing or cover page listing this drawing, indicating acceptance of professional engineering the responsibility of the Building Designer per ASIS/TP1 1 Sec. 2. For more information visit: www.tp1.com, www.icsa.org



TP1 Building Components Group Inc.
 Orlando FL, 32837
 FL COA #0 278



TC LL	20.0 PSF	REF	R487-- 76175
TC DL	10.0 PSF	DATE	07/30/13
BC DL	10.0 PSF	DRW	HCSUR487 13211042
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	40.0 PSF	SEQN-	296380
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1UYC487_203

Top chord 2x4 SP #1_12A
Bot chord 2x4 SP #1_12A
Webs 2x4 SP #3_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

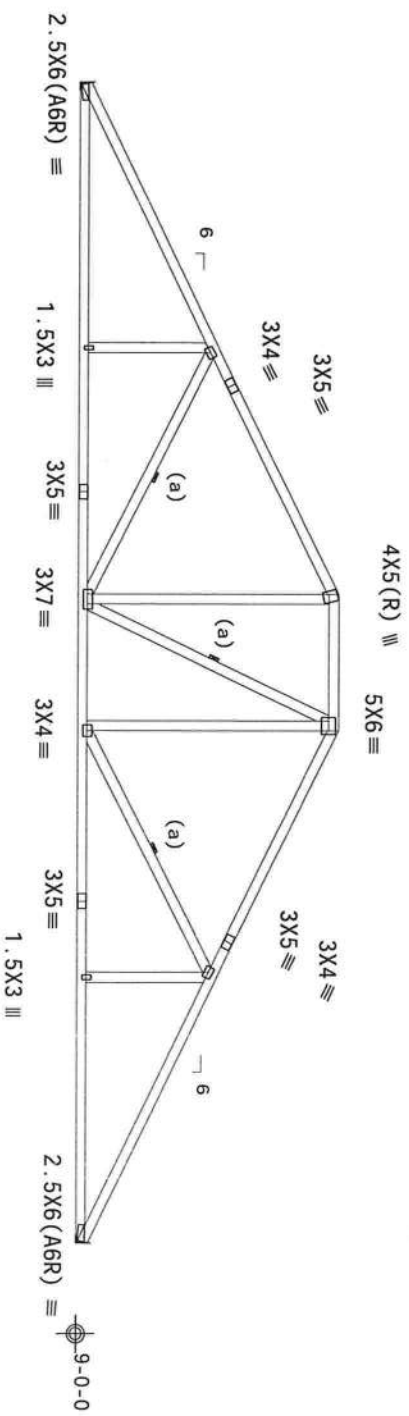
This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18
Wind loads and reactions based on MWFRS with additional C&C member design.

(a) Continuous lateral bracing equally spaced on member.
Bottom chord checked for 10.00 psf non-concurrent live load.
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=1400 U=0
H=H2

PLT TYP. Wave

R=1400 U=0
RL=113/-113
H=H1

Design Crit: FBC2010Res/TP1-2007 (STR)
FT/RT=10%(0%)/0(0)



ALPINE
ITW Building Components Group Inc.
Orlando FL, 32837
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. Follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for practices prior to performing those functions. Installers shall provide temporary bracing per the notes noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have a properly attached rigid ceiling. See 87 or 87c, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design and for any damage to the building or other property caused by such deviation. A seal on this drawing of cover page listing this design, the suitability and use of this design for any structure is the responsibility of the Building Designer per ASIS/TP1 1 Sec. 2. For more information see: This Job's ICD: www.tenacore.org

FL/-/3/-/-/R/-	Scale = .1875"/Ft.	
TC LL	20.0 PSF	REF R487-- 76177
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HCURS487 13211044
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 312361
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1UYC487_Z03

07/30/2013

Top chord 2x4 SP_#1_12A
 Bot chord 2x4 SP_#1_12A
 Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

Wind loads and reactions based on MMFRS.

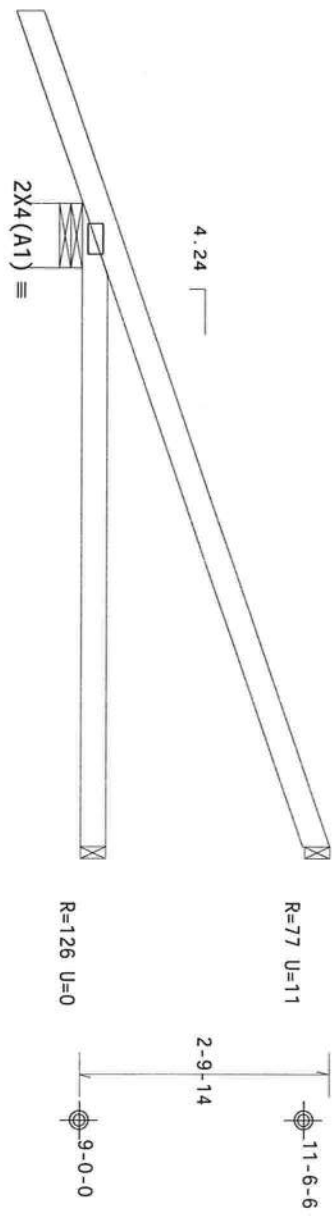
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Special loads

TC-From	Dur.Fac.=1.25 / Plate	Dur.Fac.=1.25)
TC-From	0 pif at -2.12 to	61 pif at 0.00
BC-From	2 pif at 0.00 to	2 pif at 7.07
BC-From	0 pif at -2.12 to	4 pif at 0.00
BC-From	2 pif at 0.00 to	2 pif at 7.07
TC-42.47 lb Conc.	Load at	1.48
TC-123.97 lb Conc.	Load at	4.31
BC-9.78 lb Conc.	Load at	1.48
BC-98.56 lb Conc.	Load at	4.31

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18
 Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TP1-2007(Std)
 FT/RT=10%(0%)/0(0)



ALPINE

ITW Building Components Group Inc.
 Orlando FL, 32837
 FL COA #0 278

PLT TYP. Wave

Scale = .5"/Ft.

FL/-/3/-/-/R/-

TC LL	20.0 PSF	REF R487--	76180
TC DL	10.0 PSF	DATE	07/30/13
BC DL	10.0 PSF	DRW	HCUR8487 13211047
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	295687
DUR.FAC.	1.25	JREF-	1UYC487_Z03
SPACING	24.0"		

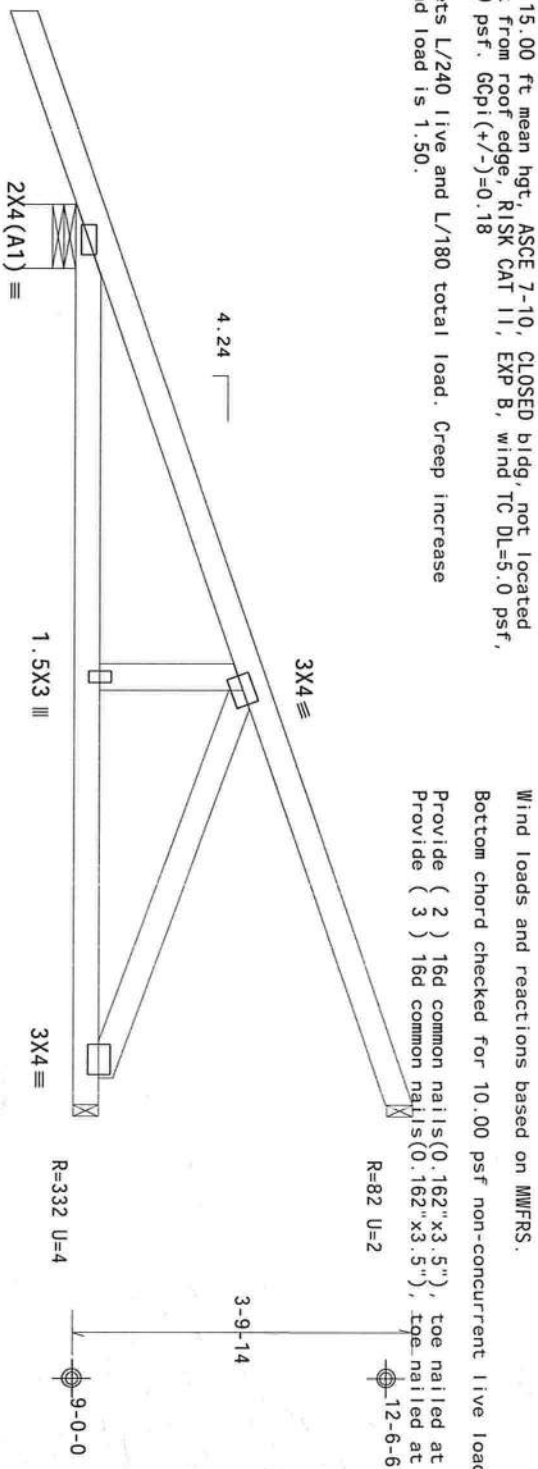
IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET!
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety Information, by TR and WTA) practices prior to performing these functions. Installers shall provide temporary bracing protection unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI section B3, B7 or B10, as applicable.
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this drawing or for any damage to the structure or its components resulting from any error in bracing or erection. Apply plates to each face of truss and position as shown 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 ASCE/TP1 1 Sec. 2. For more information see: This Job's general notes plus of ITWBCG: www.itwbcg.com; 1911 www.sprink.org; WTA: www.structure.com; ICC: www.intecafe.org

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

This design is based on lumber values in effect prior to June 1, 2013 and shall only be used on projects designed and permitted prior to this date unless specifically approved in writing by the building authority having jurisdiction, the building designer and the project owner.

120 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=5.0 psf, wind BC DL=5.0 psf. GCPI(+/-)=0.18

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



Special loads

-----	Lumber	Dur. Fac. =1.25 / Plate Dur. Fac. =1.25)
TC-From	0 pif at -2.12 to 61 pif at 0.00	
TC-From	2 pif at 0.00 to 2 pif at 9.90	
BC-From	0 pif at -2.12 to 4 pif at 0.00	
BC-From	2 pif at 0.00 to 2 pif at 9.90	
TC-From	1.48	
TC-123.97 lb Conc. Load at 4.31		
TC-254.78 lb Conc. Load at 7.13		
BC-9.78 lb Conc. Load at 1.48		
BC-98.56 lb Conc. Load at 4.31		
BC-178.95 lb Conc. Load at 7.13		

Wind loads and reactions based on MWFRS.
 Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails (0.162"x3.5"), toe nailed at Top chord.
 Provide (3) 16d common nails (0.162"x3.5"), toe nailed at Bot chord.

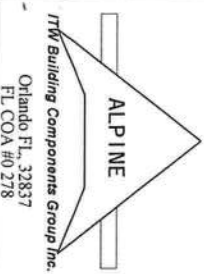
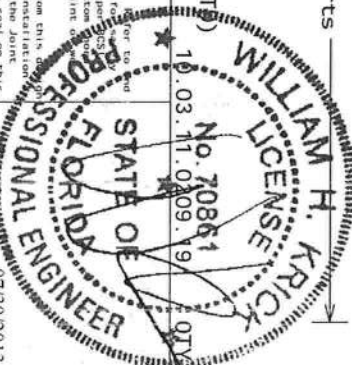
PLT TYP. Wave

Design Crit: FBC2010Res/TP1-2007 (STR)
 FT/RT=10% (0%/0(0))

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Follow the latest edition of BCSI (Building Component Safety) Information, by TP1 and WIDA) for practices prior to performing these functions. Installers shall provide temporary bracing per details unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint details shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

TR Building Components Group Inc. (TRBCG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installation, or for any other reason. The truss manufacturer shall be responsible for the design and construction of the truss. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate details. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TP1 1 Sec. 2. For more information see: This Job's general notes page. TR-BCG: www.trbcg.com; TP1: www.girts.org; WIDA: www.structure.com; BCSI: www.bcsinfo.org



FL/-/3/-/-/R/-	Scale = .5"/Ft.	
TC LL	20.0 PSF	REF R487-- 76181
TC DL	10.0 PSF	DATE 07/30/13
BC DL	10.0 PSF	DRW HOURS487 1321048
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 296394
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1UYC487_Z03

Permit # 31399

- District No. 1 - Ronald Williams
- District No. 2 - Rusty DePratter
- District No. 3 - Bucky Nash
- District No. 4 - Stephen E. Bailey
- District No. 5 - Scarlet P. Frisina



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Memo of review for correctness and completion

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

- The attached certificate requires correction by the surveyor of section (s) _____ prior to acceptance by the community.
- The attached elevation certificate is complete and correct.
- Minor corrections have been made in the below marked section(s) by the authorized Community Official.

SECTION A - PROPERTY INFORMATION		For Insurance Company Use:
A1. Building Owner's Name		Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.		Company NAIC Number
City	State	ZIP Code
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.)		
A5. Latitude/Longitude: Lat. _____ Long. _____		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number _____		
A8. For a building with a crawl space or enclosure(s), provide:		A9. For a building with an attached garage, provide:
a) Square footage of crawl space or enclosure(s) _____ sq ft		a) Square footage of attached garage _____ sq ft
b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____		b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
c) Total net area of flood openings in A8.b _____ sq in		c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION					
B1. NFIP Community Name & Community Number		B2. County Name		B3. State	
B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA <input type="checkbox"/> Yes <input type="checkbox"/> No					

Comments: _____

Date of Review: 21 July 2019

Community Official: Brian L. Kegan

All elevation certificates shall be maintained by the community and copies with the attached memo made available upon request.

BOARD MEETS FIRST THURSDAY AT 7:00 P.M.
AND THIRD THURSDAY AT 7:00 P.M.

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name Thomas S. Tramel, III		Policy Number:
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1254 SW Riverside Ave		Company NAIC Number:
City Ft White	State FL	ZIP Code 32038
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Lot 6 & S1/2 Lot 5, Unit 1-A of Three Rivers Estates - Columbia County - Parcel 00-00-00-00568-006		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>29-56.351</u> Long. <u>82-47.689</u> Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983		
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number <u>5</u>		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) <u>N/A</u> sq ft		a) Square footage of attached garage <u>N/A</u> sq ft
b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>N/A</u>		b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>N/A</u>
c) Total net area of flood openings in A8.b <u>N/A</u> sq in		c) Total net area of flood openings in A9.b <u>N/A</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Columbia County, Florida 120070		B2. County Name Columbia		B3. State Florida	
B4. Map/Panel Number 12023C0458	B5. Suffix C	B6. FIRM Index Date 2/4/09	B7. FIRM Panel Effective/Revised Date 2/4/09	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 33.4
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input type="checkbox"/> FIS Profile <input checked="" type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other/Source: _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: Local Vertical Datum: NAVD88
 Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>37.33</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>37.1</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>15.2</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>24.9</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>23.7</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No
 Check here if attachments.

Certifier's Name Timothy A. Delbene		License Number LS 5594	
Title Land Surveyor	Company Name Donald F. Lee & Associates, Inc.		
Address 140 NW Ridgewood Ave	City Lake City	State FL	ZIP Code 32055
Signature	Date 7-15-2014	Telephone 386-755-6166	

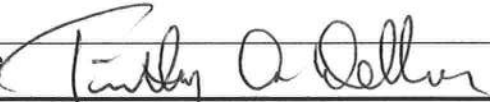


IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1254 SW Riverside Ave	Policy Number:
City Ft White State FL ZIP Code 32038	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Building Service equipment is Air Cond. near floor level.
Dwelling is one story frame on block columns.

Signature 	Date 7-15-2014
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SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

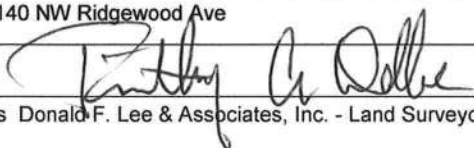
For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 - a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 - b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name Timothy A. Delbene

Address 140 NW Ridgewood Ave	City Lake City	State FL	ZIP Code 32055
Signature 	Date 7-15-2014	Telephone 386-755-6166	

Comments Donald F. Lee & Associates, Inc. - Land Surveyors

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date

Comments

Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

FOR INSURANCE COMPANY USE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
1254 SW Riverside Ave

Policy Number:

City Ft White

State FL

ZIP Code 32038

Company NAIC Number:

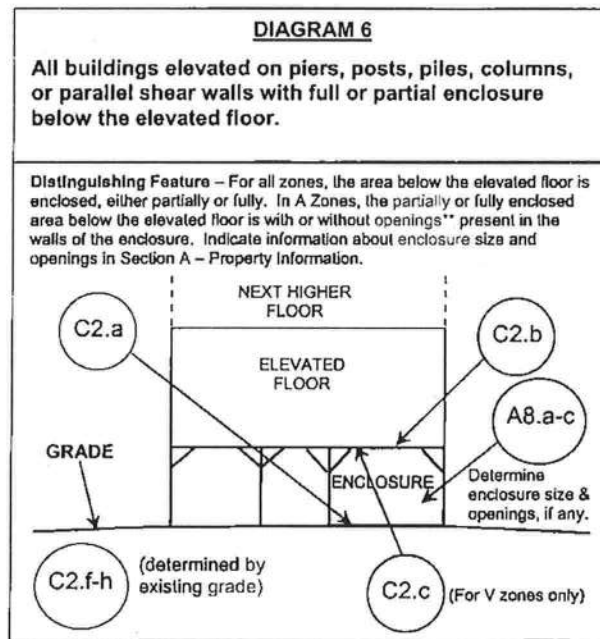
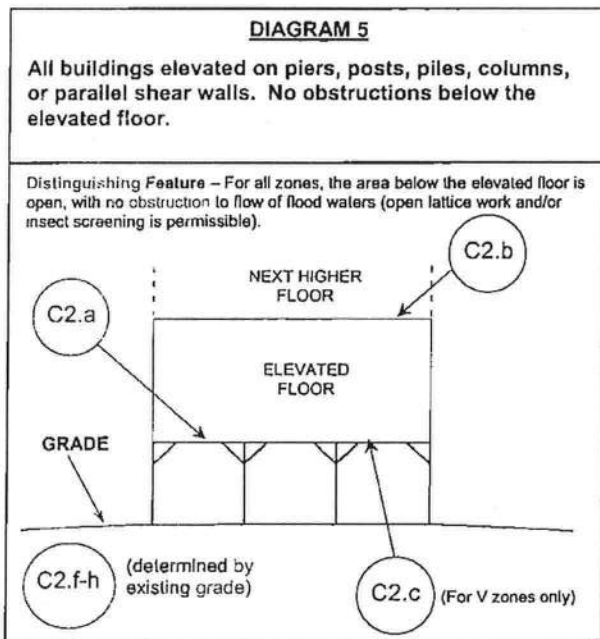
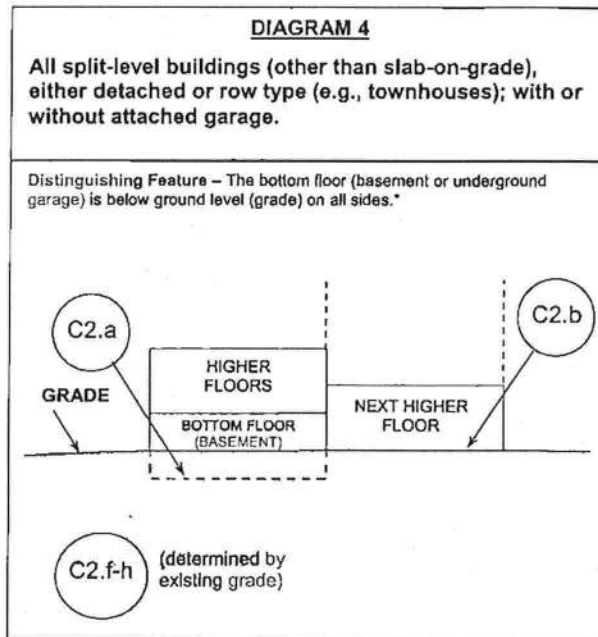
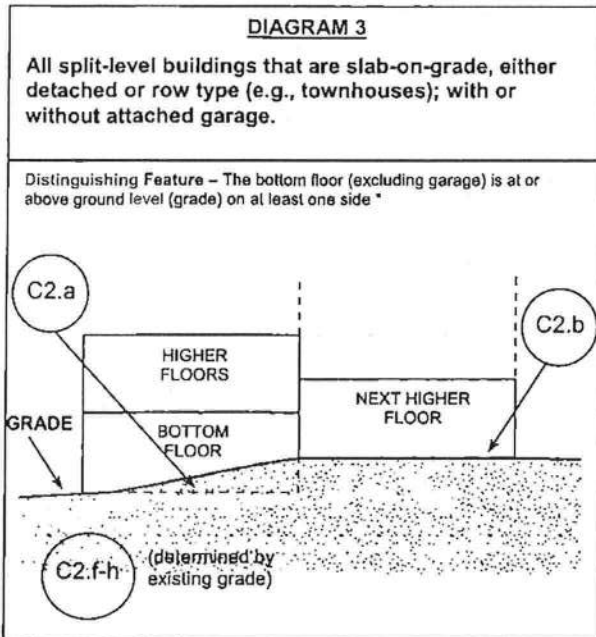
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



FRONT VIEW OF HOUSE - 7/15/2014



REAR VIEW OF HOUSE - 7/15/2014



* A floor that is below ground level (grade) on all sides is considered a basement even if the floor is used for living purposes, or as an office, garage, workshop, etc.

** An "opening" is a permanent opening that allows for the free passage of water automatically in both directions without human intervention. Under the NFIP, a minimum of two openings is required for enclosures or crawlspaces. The openings shall provide a total net area of not less than one square inch for every square foot of area enclosed, excluding any bars, louvers, or other covers of the opening. Alternatively, an Individual Engineered Flood Openings Certification or an Evaluation Report issued by the International Code Council Evaluation Service (ICC ES) must be submitted to document that the design of the openings will allow for the automatic equalization of hydrostatic flood forces on exterior walls. A window, a door, or a garage door is not considered an opening; openings may be installed in doors. Openings shall be on at least two sides of the enclosed area. If a building has more than one enclosed area, each area must have openings to allow floodwater to directly enter. The bottom of the openings must be no higher than one foot above the higher of the exterior or interior grade or floor immediately below the opening. For more guidance on openings, see NFIP Technical Bulletin 1.

CHERRYBROOK ENGINEERS & ARCHITECTS P.A. 10111 COLUMBIA AVENUE

O C C U P A N C Y

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 27-6S-15-00568-006 Building permit No. 000031399

Use Classification SFD/UTILITY Fire: 45.84

Permit Holder MATTHEW HENTZELMAN Waste: 48.27

Owner of Building THOMAS S. TRAMEL, III. Total: 94.11

Location: 1254 SW RIVERSIDE AVENUE, FT. WHITE, FL 32038

Date: 07/21/2014



Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)



Important: Read the instructions

OMB No. 1660-0008
 Expiration Date: July 31, 2015

SECTION A - FLOOD DAMAGE PREVENTION AND MITIGATION

OK 31399
 BLK
 2010 Florida Bld
 Code Requirement
 7 April 2014

A1. Building Owner's Name Thomas S. Tramel, III

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.)
 1254 SW Riverside Ave
 City Ft White State FL ZIP Code 32036

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
 Lot 6 & S1/2 Lot 5, Unit 1-A of Three Rivers Estates - Columbia County - Parcel 00-00-00-00568-006

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential

A5. Latitude/Longitude: Lat. 29-56.351 Long. 82-47.689 Horizontal Datum: NAD 1927 NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 5

A8. For a building with a crawlspace or enclosure(s):
 a) Square footage of crawlspace or enclosure(s) N/A sq ft
 b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A
 c) Total net area of flood openings in A8.b N/A sq in
 d) Engineered flood openings? Yes No

A9. For a building with an attached garage:
 a) Square footage of attached garage N/A sq ft
 b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
 c) Total net area of flood openings in A9.b N/A sq in
 d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number
 Columbia County, Florida 120070

B2. County Name
 Columbia

B3. State
 Florida

B4. Map/Panel Number 12023C0458	B5. Suffix C	B6. FIRM Index Date 2/4/09	B7. FIRM Panel Effective/Revised Date 2/4/09	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 33.4
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B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
 FIS Profile FIRM Community Determined Other/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)?
 Designation Date: _____ CBRS OPA Yes No

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction
 *A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations - Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.
 Benchmark Utilized: Local Vertical Datum: NAVD88
 Indicate elevation datum used for the elevations in items a) through h) below. NGVD 1929 NAVD 1988 Other/Source: _____
 Datum used for building elevations must be the same as that used for the BFE.

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	<u>37.33</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
b) Top of the next higher floor	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
c) Bottom of the lowest horizontal structural member (V Zones only)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
d) Attached garage (top of slab)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	<u>N/A</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
f) Lowest adjacent (finished) grade next to building (LAG)	<u>14.5</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
g) Highest adjacent (finished) grade next to building (HAG)	<u>24.7</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	<u>24.2</u>	<input checked="" type="checkbox"/> feet	<input type="checkbox"/> meters

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Check here if attachments.

Certifier's Name Timothy A. Delbene License Number LS 5594

Title Land Surveyor Company Name Donald F. Lee & Associates, Inc.

Address 140 NW Ridgewood Ave City Lake City State FL ZIP Code 32055

Signature Date 4-4-2014 Telephone 386-755-6166

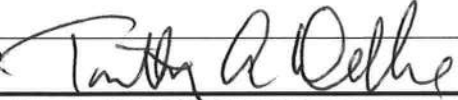
PLACE SEAL HERE

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1254 SW Riverside Ave	Policy Number:
City Ft White State FL ZIP Code 32038	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments No Building service equipment exists (no A/C at this time.
Dwelling is one story frame on block columns.
Cert. Rev. 4/4/14 to correct item C1 to "under construction"

Signature  Date 4-4-2014

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.


- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the HAG.
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____ feet meters above or below the LAG.
- E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____ feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____ feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____ feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name Timothy A. Delbene

Address 140 NW Ridgewood Ave City Lake City State FL ZIP Code 32055

Signature  Date 4-4-2014 Telephone 386-755-6166

Comments Donald F. Lee & Associates, Inc. - Land Surveyors

Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
-------------------	------------------------	---

- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____ feet meters Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____ feet meters Datum _____
- G10. Community's design flood elevation: _____ feet meters Datum _____

Local Official's Name _____ Title _____

Community Name _____ Telephone _____

Signature _____ Date _____

Comments _____

Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

FOR INSURANCE COMPANY USE

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
1254 SW Riverside Ave

Policy Number:

City Ft White

State FL

ZIP Code 32038

Company NAIC Number:

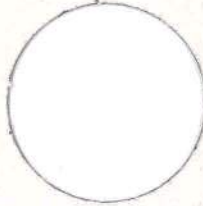
If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



FRONT VIEW OF DWELLING



REAR VIEW OF DWELLING



Permit # 31399

BUILDING INSPECTORS OFFICE

NOTICE OF INSPECTION

Please be advised that an inspection has been made on your property. Listed below please find the results.

- Approved (see remarks)
- Not Approved. Please call the office
758-1124 - 758-1008
- Not Approved (Remarks)

Remarks: Remove shiners
especially at hips.
Reinstall hips as necessary.

Date: 3/12 Inspected By: TM

31399

Tommy Matthews

From: brett@crewsengineeringservices.com
Sent: Thursday, December 26, 2013 11:39 AM
To: Tommy Matthews
Subject: RE: Thomas Tramel home
Attachments: 20131220130900559.pdf

Tommy,

I apologize for not getting this to you Monday. Please find the attached allowable footing modification letter. After reviewing, we placed a note giving the assumed orientation of the building.

Let me know if you need anything else.

Thanks,

Brett A. Crews, P.E.
Crews Engineering Services, LLC

From: Tommy Matthews [mailto:tommy_matthews@columbiacountyfla.com]
Sent: Thursday, December 26, 2013 9:16 AM
To: brett@crewsengineeringservices.com
Subject: Thomas Tramel home

Just a reminder that I need correction on "Allowable Footing Modification" for our records as we discussed.

*Tommy Matthews, Projects Superintendent
Columbia County Board of Commissioners
135 N.E. Hernando Ave.
Lake City, Florida 32055
386-758-1039 (office)
386-758-2160 (fax)
386-623-6371 (cell)
tommy_matthews@columbiacountyfla.com*



ALLOWABLE FOOTING MODIFICATION

PROJECT DATA

PARCEL ID: 27-6S-15-00568-006

PROPERTY DESCRIPTION: LOT 6 & S1/2 OF LOT 5 UNIT 1-A THREE RIVERS ESTATES.

OWNER: Thomas S. Tramel III


PROJECT DESCRIPTION: New 1900 sf residence on pier foundation.

PERMIT NUMBER: 000031399

MODIFICATION

The footing at the Northwestern most corner of the home may be modified as described below to allow the pier to bear at the footing edge.

- Provide a 12" x 60" grade beam to extend from the corner footing to the next closest footing in the NE direction
- Horizontal reinforcing shall be placed in 2 mats 5-#5's top and bottom and shall extend to 3" from the footings outermost edge
- Transverse bars shall be #5's at 9" o.c. top and bottom and shall start and finish between each footings inner edge


Brett A. Crews, PE No. 65592

ALLOWABLE FOOTING MODIFICATION

PROJECT DATA

PARCEL ID: 27-6S-15-00568-006

PROPERTY DESCRIPTION: LOT 6 & S1/2 OF LOT 5 UNIT 1-A THREE RIVERS ESTATES.

OWNER: Thomas S. Tramel III

PROJECT DESCRIPTION: New 1900 sf residence on pier foundation.

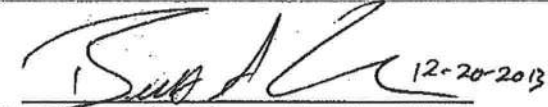
PERMIT NUMBER: 000031399

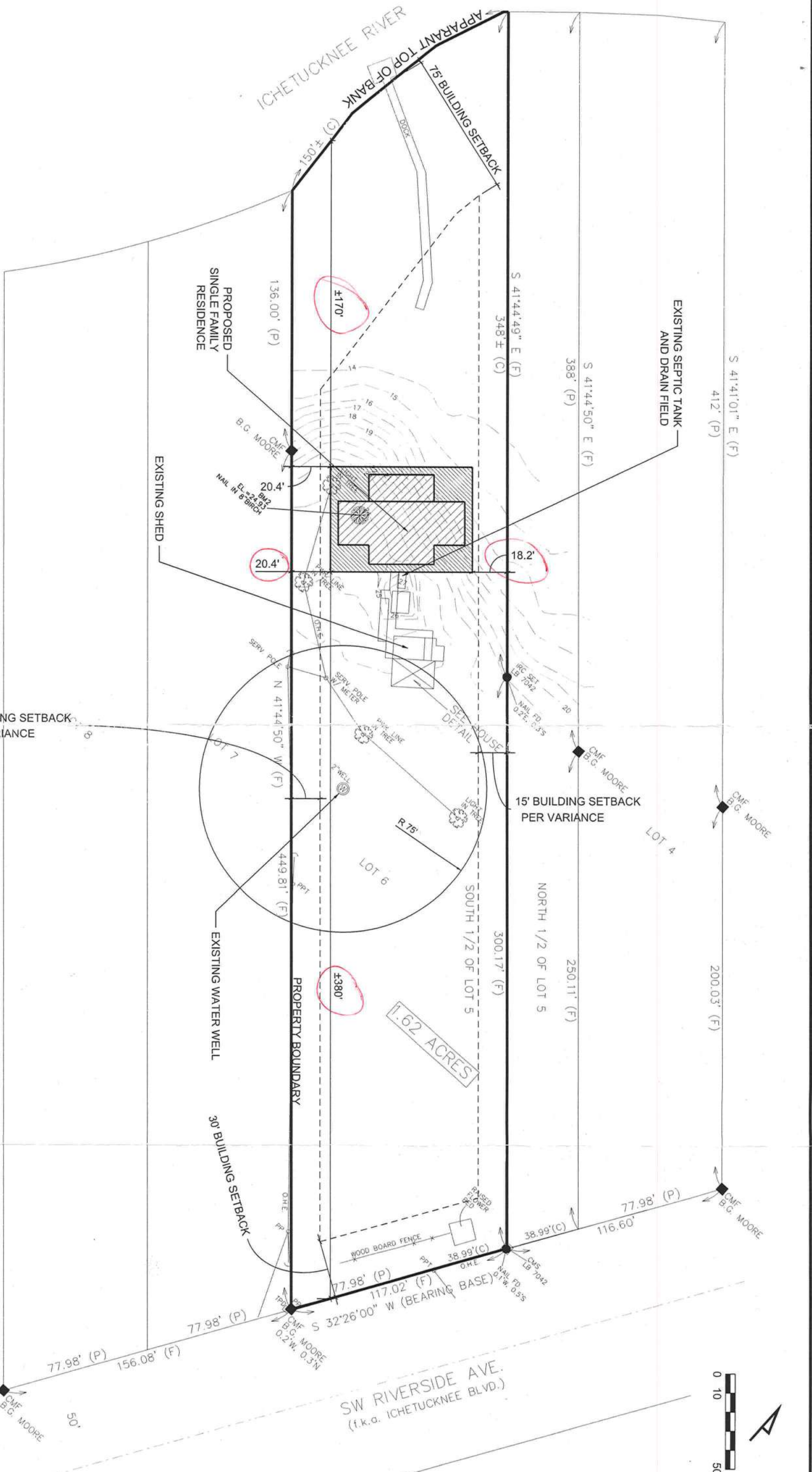
MODIFICATION

Assume the river-side of the home is North:

The footing at the NW most corner of the home may be modified as described below to allow the pier to bear at the footing edge.

- Provide a 12" x 60" grade beam to extend from the NW corner footing to the next closest footing in the E direction
- Horizontal reinforcing shall be placed in 2 mats 5-#5's top and bottom and shall extend to 3" from the footings outermost edge
- Transverse bars shall be #5's at 9" o.c. top and bottom and shall start and finish between each footings inner edge


Brett A. Crews, PE No. 65592



DATE	BY	DESCRIPTION

REVISIONS	DATE	BY	DESCRIPTION

CES
 Crews Engineering Services, LLC

CERTIFICATE OF AUTHORIZATION
 NO. 28022

P.O. BOX 970
 LAKE CITY, FL 32056
 PHONE: 386/544085

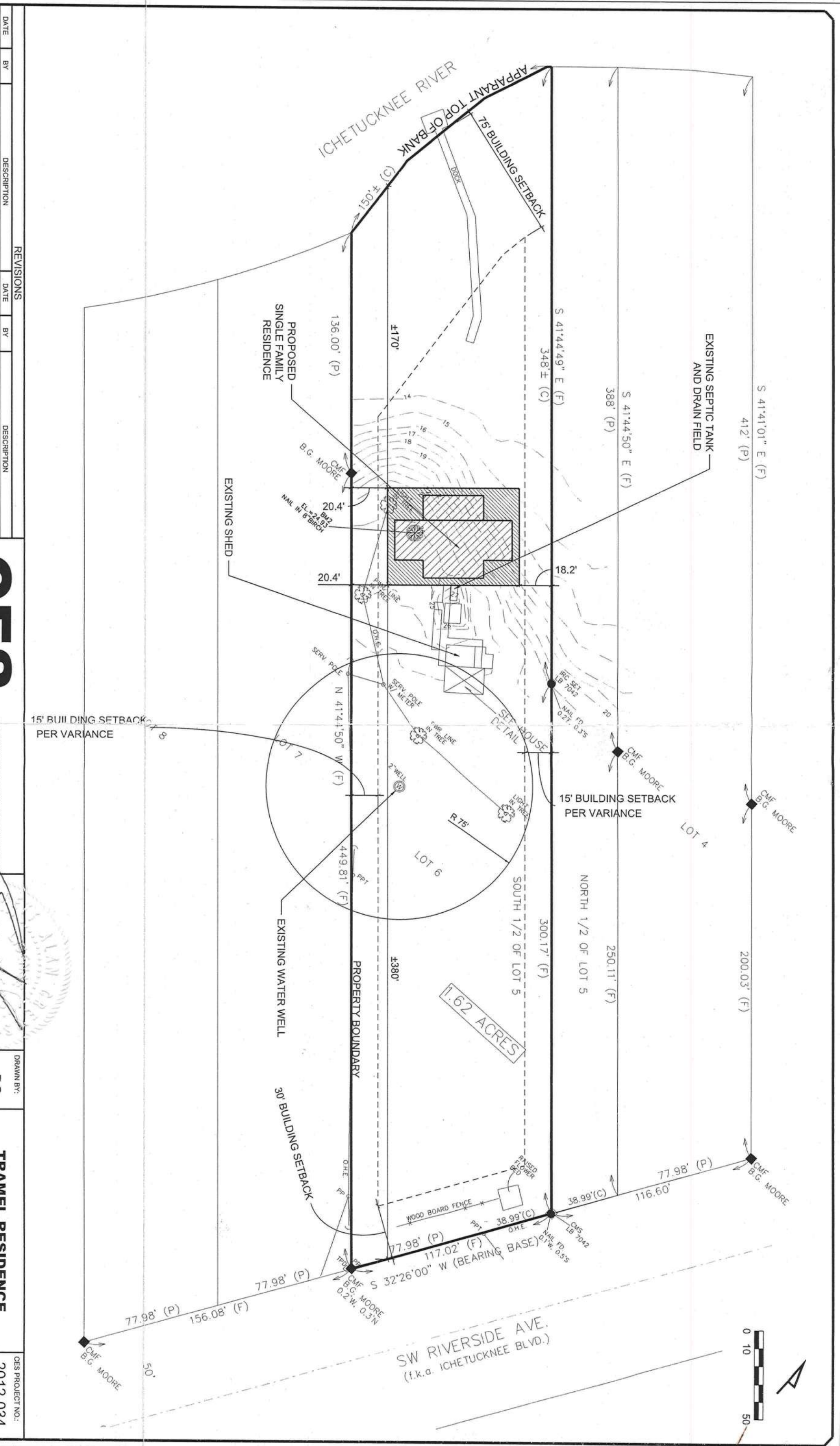
[Signature]
 Brett A. Crews, P.E. 65592

DRAWN BY: BC
 APPROVED BY: BC

TRAMEL RESIDENCE

SITE PLAN

CES PROJECT NO.: 2012-034
 SHEET: SIT1



DATE	BY	DESCRIPTION

REVISIONS	DATE	BY	DESCRIPTION



CERTIFICATE OF AUTHORIZATION
NO. 28022
P.O. BOX 970
LAKE CITY, FL 32056
PHONE: 386.754.4085

[Signature]
Brett A. Crews, P.E. 65592

DRAWN BY: BC
APPROVED BY: BC

TRAMEL RESIDENCE
SITE PLAN

CES PROJECT NO.: 2012-034
SHEET: SIT1