

PERMIT  
000034110

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

## Notice of Treatment

Applicator: Florida Pest Control · (www.flapest.com)

Address: 536 SE Baya Dr.

City Jacksonville, FL Phone 386 752 1703

Site Location: Subdivision \_\_\_\_\_

Lot # \_\_\_\_\_ Block# \_\_\_\_\_ Permit # 34110

Address 1837 NW Moore Rd

### Product used

### Active Ingredient

### % Concentration

☐ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ \_\_\_\_\_

Type treatment:

☒ Soil

Area Treated

Square feet

Linear feet

Gallons Applied

Main Body and  
front porch only

2028

210

190

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

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

8-16-16

Date

2:38

Time

BILL HENDRICKS

Print Technician's Name

Remarks: \_\_\_\_\_

Applicator - White

Permit File - Canary

Permit Holder - Pink



Need Deed Recorded for Daughter on SFLP

Columbia County New Building Permit Application

**For Office Use Only** Application # 1604-50 Date Received 4-19-16 By UH Permit # 2297/34110  
Zoning Official CAS Date 9-3-06 Flood Zone A Land Use A Zoning A-3  
FEMA Map # \_\_\_\_\_ Elevation \_\_\_\_\_ MFE 1600 River \_\_\_\_\_ Plans Examiner 7C Date 5-3-16  
Comments Special family lot 16-08  
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter Existing ☒ 911 Sheet ☒ Parent Parcel # 02117-104  
☐ Dev Permit # \_\_\_\_\_ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F.W. Comp. letter  
☒ Owner Builder Disclosure Statement ☐ Land Owner Affidavit ☐ Ellisville Water ☒ App Fee Paid ☒ Sub VF Form

Septic Permit No. 16-0307 OR City Water \_\_\_\_\_ Fax \_\_\_\_\_  
Applicant (Who will sign/pickup the permit) Nicklon fields Phone 386-288-5087  
Address 1899 NW Moore Rd Lake City FL 32055  
Owners Name Nicklon fields Phone 347-234-6791  
911 Address 1837 NW Moore Rd, Lake City, FL 32055  
Contractors Name Nicklon fields Phone 347-234-6791  
Address 1899 NW Moore Rd Lake City FL 32055  
Contractor Email \_\_\_\_\_ \*\*\*Include to get updates on this job.

Fee Simple Owner Name & Address \_\_\_\_\_

Bonding Co. Name & Address \_\_\_\_\_

Architect/Engineer Name & Address Mark Disosway 163 SW Midtown Pl (sk 103) Lake City FL 32025

Mortgage Lenders Name & Address \_\_\_\_\_

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

Property ID Number 14-35-16-02117-006 Estimated Construction Cost 75,000

Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions from a Major Road 41 North, (2) Moore Rd, go about 3 miles on (2) before "S" curve

Construction of Single family Dwelling Commercial OR ☒ Residential

Proposed Use/Occupancy Residential Number of Existing Dwellings on Property \_\_\_\_\_

Is the Building Fire Sprinkled? No If Yes, blueprints included \_\_\_\_\_ Or Explain \_\_\_\_\_

Circle Proposed - Culvert Permit or Culvert Waiver or D.O.T. Permit or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 32' Side 27' Side 223' Rear 489'

Number of Stories 1 Heated Floor Area 1584 Total Floor Area 2028 Acreage 2.5

Zoning Applications applied for (Site & Development Plan, Special Exception, etc.) SFLP 16-08

Contact Person

Dim Taylor 386-288-5087 (Project Manager) \$630.28



**Columbia County Building Permit Application**

**CODE: Florida Building Code 2014 and the 2011 National Electrical Code.**

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.

**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 pursued in good faith or a permit has been issued.

**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 CONTRACTOR AND AGENT:** **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.

Nicklon Fields  
Print Owners Name

[Signature]  
Owners Signature

**\*\*Property owners must sign here before any permit will be issued.**

**\*\*If this is an Owner Builder Permit Application then, ONLY the owner can sign the building permit when it is issued.**

**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 \_\_\_\_\_ Contractor's License Number \_\_\_\_\_  
Columbia County  
Competency Card Number \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.  
Personally known \_\_\_\_\_ or Produced Identification \_\_\_\_\_

SEAL:  
\_\_\_\_\_  
State of Florida Notary Signature (For the Contractor)



**SUBCONTRACTOR VERIFICATION FORM**

APPLICATION NUMBER 1406-50 CONTRACTOR Nicklon Fields PHONE \_\_\_\_\_  
**THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT**

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

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

<b>ELECTRICAL</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>MECHANICAL/ A/C</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>PLUMBING/ GAS</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>ROOFING</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>SHEET METAL</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>FIRE SYSTEM/ SPRINKLER</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____
<b>SOLAR</b>	Print Name _____ License #: _____	Signature _____ Phone #: _____

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

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



SSO 122643763



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

PERMIT NO. 16-0307  
DATE PAID: 5/6/16  
FEE PAID: 435.00  
RECEIPT #: 1238515

## APPLICATION FOR:

☒ New System    ☐ Existing System    ☐ Holding Tank    ☐ Innovative  
☐ Repair    ☐ Abandonment    ☐ Temporary    ☐

APPLICANT:

Nicklon Fields

AGENT:

Dion Taylor

TELEPHONE:

386-288-5087

MAILING ADDRESS:

208 SW Poppy Glen, Lake City, Fla 32024

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: \_\_\_\_\_ BLOCK: \_\_\_\_\_ SUBDIVISION: \_\_\_\_\_ PLATTED: \_\_\_\_\_

PROPERTY ID #: 14-35-16-02117-106 ZONING: \_\_\_\_\_ I/M OR EQUIVALENT: [ Y / N ]

PROPERTY SIZE: 2.53 ACRES WATER SUPPLY: [☒] PRIVATE PUBLIC [ ] <=2000GPD [ ] >2000GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? [ Y / N ] DISTANCE TO SEWER: \_\_\_\_\_ FT

PROPERTY ADDRESS: 1837 NW Moore Road

DIRECTIONS TO PROPERTY: Go Hwy 41N to make a right

Left on Moore Road go about 2 miles lot is  
on the right of Moore Road

## BUILDING INFORMATION

[ ☒ ] RESIDENTIAL

[ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>SFR</u>	<u>4</u>	<u>1584</u>	
2				
3				
4				

[ ] Floor/Equipment Drains [ ] Other (Specify) \_\_\_\_\_

SIGNATURE: M. G. R. DATE: 5-4-16



Permit Application Number 16-0307

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



Site Plan submitted by: Dion Tardos

Plan Approved ✓ Not Approved \_\_\_\_\_ Date \_\_\_\_\_

By [Signature] County Health Department

Page 2 of 4



## NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Tax Parcel Identification Number:

14-35-16-02117-006

Inst: 201612007866 Date: 5/10/2016 Time: 9:08 AM  
DC, P.DeWitt Cason, Columbia County Page 1 of 1 B: 1314 P: 2049

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

1. Description of property (legal description): West 2.5 AC of Parcel 02117-104  
a) Street (job) Address: 1837 NW Moore Rd Lake City FL 32055
2. General description of improvements: Single family Dwelling
3. Owner Information or Lessee information if the Lessee contracted for the improvements:  
a) Name and address: Nicklon Fields  
b) Name and address of fee simple titleholder (if other than owner):  
c) Interest in property: Owner
4. Contractor Information  
a) Name and address: Owner Builder  
b) Telephone No.:  
5. Surety Information (if applicable, a copy of the payment bond is attached):  
a) Name and address:  
b) Amount of Bond:  
c) Telephone No.:  
6. Lender  
a) Name and address:  
b) Phone No.:  
7. Person within the State of Florida designated by Owner, upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes:  
a) Name and address: Dion Taylor 208 SW Pappy Glen Lake City FL 32024  
b) Telephone No.: 386-2581-5087
8. In addition to himself or herself, Owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:  
a) Name: \_\_\_\_\_ OF \_\_\_\_\_  
b) Telephone No.: \_\_\_\_\_
9. Expiration date of Notice of Commencement (the expiration date will be 1 year from the date of recording unless a different date is specified): \_\_\_\_\_

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

STATE OF FLORIDA  
COUNTY OF COLUMBIA

10.

Dion Taylor  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Office/Director/Partner/Manager

Dion Taylor  
Printed Name and Signatory's Title/Office

The foregoing instrument was acknowledged before me, a Florida Notary, this 19 day of April, 2016, by:  
Dion Taylor as Project Manager for Nicklon Fields  
(Name of Person) (Type of Authority) (name of party on behalf of whom instrument was executed)

Personally Known ☒ OR Produced Identification \_\_\_\_\_ Type \_\_\_\_\_

Notary Signature

Notary Stamp or Seal







## **COLUMBIA COUNTY BUILDING DEPARTMENT**

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

Office: 386-758-1008 Fax: 386-758-2160

### **OWNER BUILDER DISCLOSURE STATEMENT**

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed \$75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased within 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address <http://www.myfloridalicense.com/dbpr/> for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

NW Moore Rd Lake City FL 32051

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual or firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of \$300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of \$100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.



Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

#### TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling    ☐ Two-Family Residence    ☐ Farm Outbuilding  
☐ Addition, Alteration, Modification or other Improvement  
☐ Commercial, Cost of Construction \_\_\_\_\_ for construction of \_\_\_\_\_  
☐ Other \_\_\_\_\_

I Nicklon Fields, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes allowing this exception for the construction permitted by Columbia County Building Permit.

[Signature]  
Owner Builder Signature

4-15-16  
Date

#### NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification NY DL

Notary Signature [Signature] Date 4-15-16 (Seal)



#### FOR BUILDING DEPARTMENT USE ONLY

I hereby certify that the above listed owner builder has been given notice of the restriction stated above.

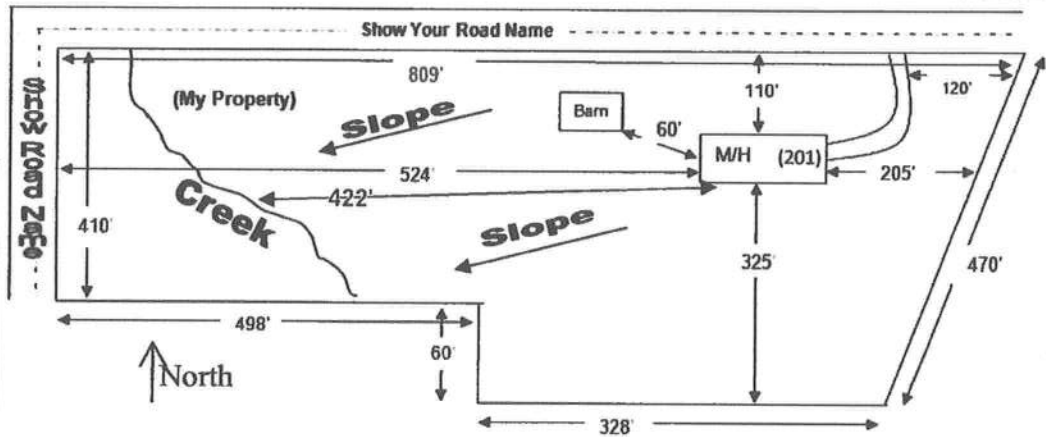
Building Official/Representative [Signature]

## SITE PLAN CHECKLIST

- \_\_\_ 1) Property Dimensions
- \_\_\_ 2) Footprint of proposed and existing structures (including decks), label these with existing addresses
- \_\_\_ 3) Distance from structures to all property lines
- \_\_\_ 4) Location and size of easements
- \_\_\_ 5) Driveway path and distance at the entrance to the nearest property line
- \_\_\_ 6) Location and distance from any waters; sink holes; wetlands; and etc.
- \_\_\_ 7) Show slopes and or drainage paths
- \_\_\_ 8) Arrow showing North direction

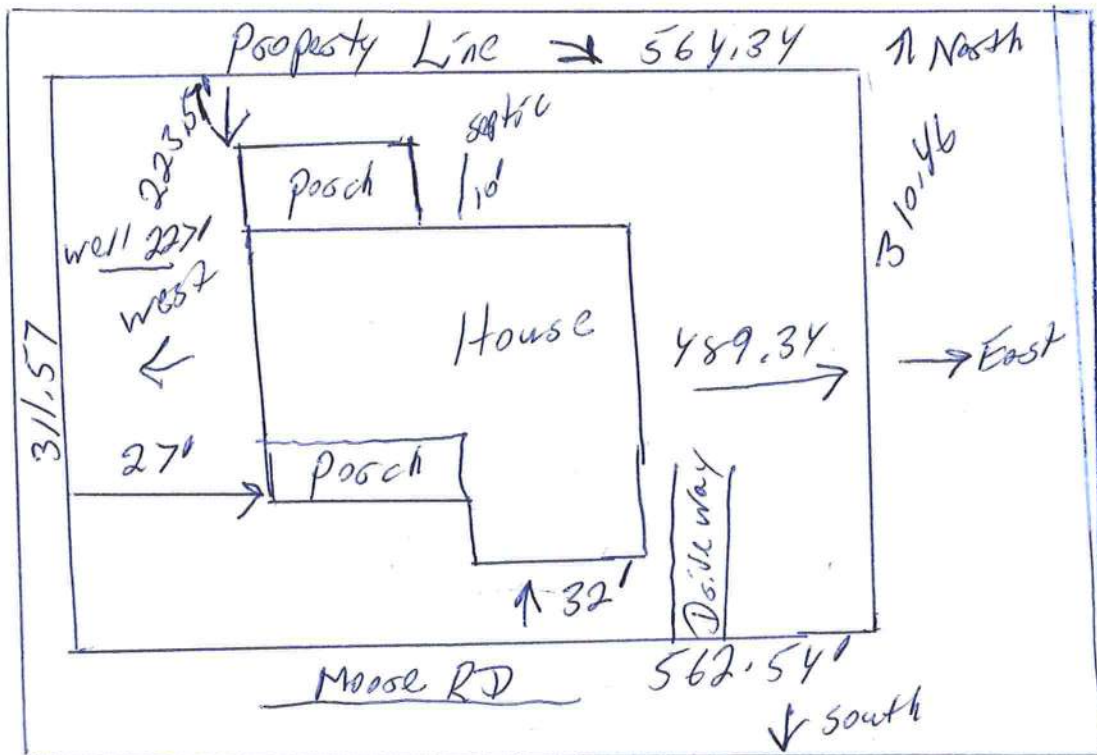
### SITE PLAN EXAMPLE

Revised 7/1/15



#### **NOTE:**

This site plan can be copied and used with the 911 Addressing Dept. application forms.





# 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: 4/19/2016 DATE ISSUED: 4/28/2016

### ENHANCED 9-1-1 ADDRESS:

1837 NW MOORE RD

LAKE CITY FL 32055

### PROPERTY APPRAISER PARCEL NUMBER:

14-3S-16-02117-106

### Remarks:

ADDRESS FOR PROPOSED STRUCTURE 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.**

3553

- UNK



# Columbia County Gateway to Florida

FOR PLANNING USE ONLY.

Application # SFLP 16-08  
Application Fee \$50.00  
Receipt No. 4582  
Filing Date 2-29-16  
Completeness Date 3-7-16

## Special Family Lot Permit Application

### A. PROJECT INFORMATION

1. Title Holder's Name: NICKLON FIELDS
2. Address of Subject Property: 1899 NW MOORE RD, LAKE CITY, FL 32055
3. Parcel ID Number(s): 14-3S-16-02117-104
4. Future Land Use Map Designation: AG
5. Zoning Designation: A - 3
6. Acreage of Parent Parcel: 5.06 ACRES
7. Acreage of Property to be Deeded to Immediate Family Member: 2.53 ACRES
8. Existing Use of Property: MOBILE HOME
9. Proposed use of Property: SINGLE FAMILY DWELLING
10. Name of Immediate Family Member for which Special Family Lot is to be Granted: MARISA FIELDS (DAUGHTER)

*PLEASE NOTE: Immediate family member must be a parent, grandparent, adopted parent, stepparent, sibling, child, adopted child, stepchild, or grandchild of the person who is conveying the parcel to said individual.*

### B. APPLICANT INFORMATION

1. Applicant Status ☐ Owner (title holder) ☒ Agent
2. Name of Applicant(s): DION TAYLOR Title: CONTRACTOR  
Company name (if applicable): DION TAYLOR CONTRUCTION INC  
Mailing Address: 208 SW POPPY GLEN  
City: LAKE CITY State: FLORIDA Zip: 32024  
Telephone: (386) 288-5087 Fax: ( ) Email:

**PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.**

3. If the applicant is agent for the property owner\*.  
Property Owner Name (title holder): NICKLON FIELDS  
Mailing Address: 129-21 135TH PLACE  
City: OZONE PK State: NEW YORK Zip: 11420  
Telephone: ( ) Fax: ( ) Email:

**PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from government officials regarding government business is subject to public records requests. Your e-mail address and communications may be subject to public disclosure.**

**\*Must provide an executed Property Owner Affidavit Form authorizing the agent to act on behalf of the property owner.**



## NOTICE TO APPLICANT

A special family lot permit may be issued by the Board of County Commissioners on land zoned Agricultural or Environmentally Sensitive Area within these Land Development Regulations, for the purpose of conveying a lot or parcel to an immediate family member who is the parent, grandparent, adopted parent, stepparent, sibling, child, or adopted child, stepchild or grandchild of the person who conveyed the parcel to said individual, **not to exceed one (1) dwelling unit per one (1) acre** and the lot complies with all other conditions from permitting development as set forth in these Land Development Regulations. This provision is intended to promote the perpetuation of the family homestead in rural areas by making it possible for immediate family members to reside on lots as their primary residence which exceed maximum density for such areas, provided that the lot complies with the conditions for permitting established in Section 14.9 of the Land Development Regulations.

If approved by the Board of County Commissioner, the division of lots shall be recorded by separate deed, comply with all other applicable regulations of the Land Development Regulations, and comply with all other conditions for permitting and development as set forth in the Land Development Regulations. A completed building permit application shall be submitted within one (1) year of receiving approval by the Board of County Commissioners. One (1) extension can be requested in writing and approved by the Land Development Regulations Administrator not to exceed nine (9) months. If a special family lot permit expires, it shall have to go through the process again for approval as required by this section. A building permit for a special family lot shall be issued only to the immediate family member or their authorized representative (i.e. licensed building contractor or mobile home installer) after a recorded copy of the family relationship residence agreement affidavit and deed to the special family lot has been submitted to the Land Development Regulation Administrator as part of the building permit application process.

Special family lots which have not met the requirements for homestead exemption shall not be transferable except, as follows:

1. The deeding of the parcel back to the original owner of the parent tract as indicated in Section 14.9 of the Land Development Regulations;
2. To another individual meeting the definition of immediate family member;
3. To an individual not meeting the definition of immediate family member due to circumstances beyond the reasonable control of the family member to whom the original special family lot permit was granted such as divorce, death or job change resulting in unreasonable commuting distances, the immediate family member is no longer able to retain ownership of the special family lot, subject to approval by the original reviewing body that approved the special family lot permit; and
4. Upon approval of the transfer of the special family lot, the County will issue a Certificate of Transfer and the owner shall record the certificate in the Public Records in the Clerk of the Courts Office. This process shall apply retroactively to special family lots previously created under the Land Development Regulations.

Any decision made by the Board of County Commissioners is subject to a 30 day appeal period as outlined in Article 12 of the Land Development Regulations. Any action taken by the applicant within the 30 day appeal period is at the applicant's risk. No Certificate of Occupancy shall be issued until the 30 day appeal period is over or until any appeal has been settled.

Upon the applicant obtaining a Certificate of Occupancy, the applicant must file for Homestead Exemption. Homestead Exemptions can be filed each year with the Columbia County Property Appraiser's Office from January 1 to March 31.

**Once an application is submitted and paid for, a completeness review will be done to ensure all the requirements for a complete application have been met. If there are any deficiencies, the applicant will be notified in writing. If an application is deemed to be incomplete, it may cause a delay in the scheduling of the application before the Planning & Zoning Board.**

THE APPLICANT ACKNOWLEDGES THAT THE APPLICANT OR AGENT MUST BE PRESENT AT THE PUBLIC HEARING BEFORE THE PLANNING AND ZONING BOARD, AS ADOPTED IN THE BOARD RULES AND PROCEDURES, OTHERWISE THE REQUEST MAY BE CONTINUED TO A FUTURE HEARING DATE.

I hereby certify that all of the above statements and statements contained in any documents or plans submitted herewith are true and accurate to the best of my knowledge and belief.

Don Taylor

Applicant/Agent Name (Type or Print)

[Signature]

Applicant/Agent Signature

2-29-16

Date



## APPLICATION AGENT AUTHORIZATION FORM

TO: Columbia County Zoning Department  
135 NE Hernando Avenue  
Lake City, FL 32055

### Authority to Act as Agent

On my/our behalf, I appoint DION TAYLOR  
(Name of Person to Act as my Agent)

for DION TAYLOR CONSTRUCTION INC  
(Company Name for the Agent, if applicable)

to act as my/our agent in the preparation and submittal of this application  
for SPECIAL FAMILY LOT PERMIT APPLICATION  
(Type of Application)

I acknowledge that all responsibility for complying with the terms and conditions for approval of this application, still resides with me as the Applicant.

Applicant Title: OWNER, NICKLON FIELDS

On Behalf of: SELF  
(Company Name, if applicable)

Telephone: 386-288-5087 Date: 3-7-16

STATE OF FLORIDA  
COUNTY OF COLUMBIA

[Signature]  
Signature

The Foregoing instrument was acknowledged before me this 7 day of  
MARCH, 20 16 by NICKLON FIELDS  
whom is personally known by me ☐ OR produced identification ☒.  
Type of Identification Produced N4 DL

[Signature]  
(Notary Signature) (SEAL)



sales price 59,000.00  
doc 350.00

**This Instrument Prepared by & return to:**

Name: **KEITH THOMPSON**  
Address: **63 BARBEY STREET**  
**BROOKLYN, NY 11207**

Parcel I.D. #: 02117-104

SPACE ABOVE THIS LINE FOR PROCESSING DATA

Inst 201612001632 Date: 1/27/2016 Time 11:32 AM  
Doc Stamp-Deed: 350.00

DC.P.DeWitt Cason, Columbia County Page 1 of 2 B 1308 P 1610

SPACE ABOVE THIS LINE FOR RECORDING DATA

**THIS WARRANTY DEED** Made the 22<sup>ND</sup> day of January, A.D. 2016, by **KEITH THOMPSON AND AGATHA THOMPSON, CONVEYING NON-HOMESTEAD PROPERTY**, hereinafter called the grantors, to **NICKLON FIELDS AND MARISA FIELDS, JOINT TENANTS WITH RIGHT OF SURVIVORSHIP**, whose post office address is **129-21 135<sup>th</sup> PL, SOUTH OZONE PK, NY 11420**, hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

**Witnesseth:** That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in Columbia County, State of Florida, viz:

**SOUTH 1/2 OF PARCEL B OF CHAMPION UNPLATTED:**

A PART OF THE NE 1/4 OF SECTION 14, TOWNSHIP 3 SOUTH, RANGE 16 EAST BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NE CORNER OF THE SW 1/4 OF SAID NE 1/4, AND RUN THENCE S 89°24'05" W ALONG THE NORTH LINE OF SAID SW 1/4 OF NE 1/4, 513.72 FEET; THENCE S 01°52'44" E 922.59 FEET TO POINT OF BEGINNING; THENCE CONTINUE S 01°52'44" E TO THE NORTHERLY RIGHT-OF-WAY LINE OF MOORE ROAD A DISTANCE OF 310.64 FEET; THENCE S 87°51'14" W, ALONG SAID NORTHERLY RIGHT-OF-WAY, A DISTANCE OF 562.45 FEET TO A POINT OF CURVE OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 240.00 FEET, A CENTRAL ANGLE OF 32°26'03", THENCE WESTERLY ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE 135.86 FEET TO A POINT OF COMPOUND CURVE TO THE RIGHT, HAVING A RADIUS OF 116.44 FEET, A CENTRAL ANGLE OF 46°56'07"; THENCE NORTHERLY ALONG THE ARC OF SAID CURVE, AN ARC DISTANCE OF 95.38 FEET TO THE END OF SAID CURVE; THENCE N 01°38'54" E, STILL ALONG SAID RIGHT-OF-WAY NOW DEFINED AS THE EASTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 186.71 FEET; THENCE N 87°51'02" E A DISTANCE OF 711.59 FEET TO THE POINT OF BEGINNING, COLUMBIA COUNTY, FLORIDA. SUBJECT TO POWER LINE EASEMENT.

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

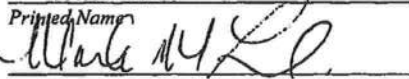
**To Have and to Hold** the same in fee simple forever.

And the grantor hereby covenants with said grantee that he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2015.


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


Signed, sealed and delivered in the presence of:

  
Witness Signature  
**PATRICIA LANG**

  
Witness Signature  
Printed Name **Maria M. Landin**

Printed Name

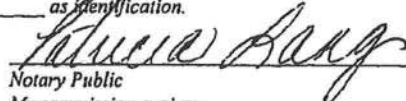
  
L.S.  
**KEITH THOMPSON**  
Address:  
**63 BARBEY STREET, BROOKLYN, NY 11207**

  
P.D.A.  
**AGATHA THOMPSON BY KEITH THOMPSON,**  
**HER ATTORNEY IN FACT**  
Address:  
**63 BARBEY STREET, BROOKLYN, NY 11207**



STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 22<sup>ND</sup> day of JANUARY, 2016, by **KEITH THOMPSON, INDIVIDUALLY AND AS ATTORNEY IN FACT FOR AGATHA THOMPSON**, who is known to me or who has produced Driver's License as identification.

  
Notary Public  
My commission expires \_\_\_\_\_



generated on 2/22/2016 6:36:56 AM EST

Last Update: 2/15/2016 9:00:04 PM EST

### Ad Valorem Taxes and Non-Ad Valorem Assessments

<b>Account Number</b>		<b>Tax Type</b>		<b>Tax Year</b>	
R02117-104		REAL ESTATE		2015	
<b>Mailing Address</b>		<b>Property Address</b>			
UTTER LELAND W 304 COOPER RD COOPERSTOWN NY 13326-4839		1899 MOORE NW LAKE CITY			
		<b>GEO Number</b> 143S16-02117-104			
<b>Exempt Amount</b>		<b>Taxable Value</b>			
See Below		See Below			
<b>Exemption Detail</b>		<b>Millage Code</b>		<b>Escrow Code</b>	
NO EXEMPTIONS		003		N	
<b>Legal Description (click for full description)</b>					
14-3S-16 0700/0700 5.05 Acres (AKA S1/2 OF PRCL "B" CHAMPION UNREC): COMM NE COR OF SW1/4 OF NE1/4, RUN W 513.72 FT, S 922.59 FT FOR POB, CONT S 310.64 FT TO N R/W MOORE RD, W ALONG R/W 562.45 FT TO PT OF CURVE, RUN W'RLY ALONG CURVE 135.86 FT TO PT OF REVRs CURVE See Tax Roll For Extra Legal					
<b>Ad Valorem Taxes</b>					
<b>Taxing Authority</b>	<b>Rate</b>	<b>Assessed Value</b>	<b>Exemption Amount</b>	<b>Taxable Value</b>	<b>Taxes Levied</b>
BOARD OF COUNTY COMMISSIONERS	8.0150	20,653	0	\$20,653	\$165.53
COLUMBIA COUNTY SCHOOL BOARD DISCRETIONARY	0.7480	20,653	0	\$20,653	\$15.45
LOCAL	4.8510	20,653	0	\$20,653	\$100.19
CAPITAL OUTLAY	1.5000	20,653	0	\$20,653	\$30.98
SUWANNEE RIVER WATER MGT DIST	0.4104	20,653	0	\$20,653	\$8.48
LAKE SHORE HOSPITAL AUTHORITY	0.9620	20,653	0	\$20,653	\$19.87
<b>Total Millage</b>		16.4864	<b>Total Taxes</b>		\$340.50
<b>Non-Ad Valorem Assessments</b>					
<b>Code</b>	<b>Levying Authority</b>	<b>Amount</b>			
FFIR	FIRE ASSESSMENTS	\$183.32			
GGAR	SOLID WASTE - ANNUAL	\$193.00			
<b>Total Assessments</b>				\$376.32	
<b>Taxes &amp; Assessments</b>				\$716.82	
<b>If Paid By</b>				<b>Amount Due</b>	



11/30/2015	\$688.15
12/31/2015	\$688.15
1/31/2016	\$702.48
2/29/2016	\$709.65
3/31/2016	\$716.82

Prior Years Payment History


Prior Year Taxes Due
NO DELINQUENT TAXES

[Click Here To Pay Now](#)

CURVE TABLE



SCALE: 1" = 60'

[illegible]

A paper by Dr. M. J. de Vries, M. J. van der Vliet, and M. J. van der Vliet, presented at the 1987 Annual Meeting of the American Society of Plant Pathologists, was published in the *Journal of Plant Pathology*, Vol. 10, No. 1, pp. 1-10. The paper describes the effects of the plant pathogen *Phytophthora blight* on the growth and yield of the plant *Phytophthora blight* in the Netherlands. The authors conclude that the plant pathogen *Phytophthora blight* is a major cause of the plant pathogen *Phytophthora blight* in the Netherlands. The authors also conclude that the plant pathogen *Phytophthora blight* is a major cause of the plant pathogen *Phytophthora blight* in the Netherlands.

[illegible]

CERTIFIED BY \_\_\_\_\_  
 NICK TAVELON, CLERK OF COURT, JR.  
 FIELD BOOK \_\_\_\_\_ PAGE(S) \_\_\_\_\_

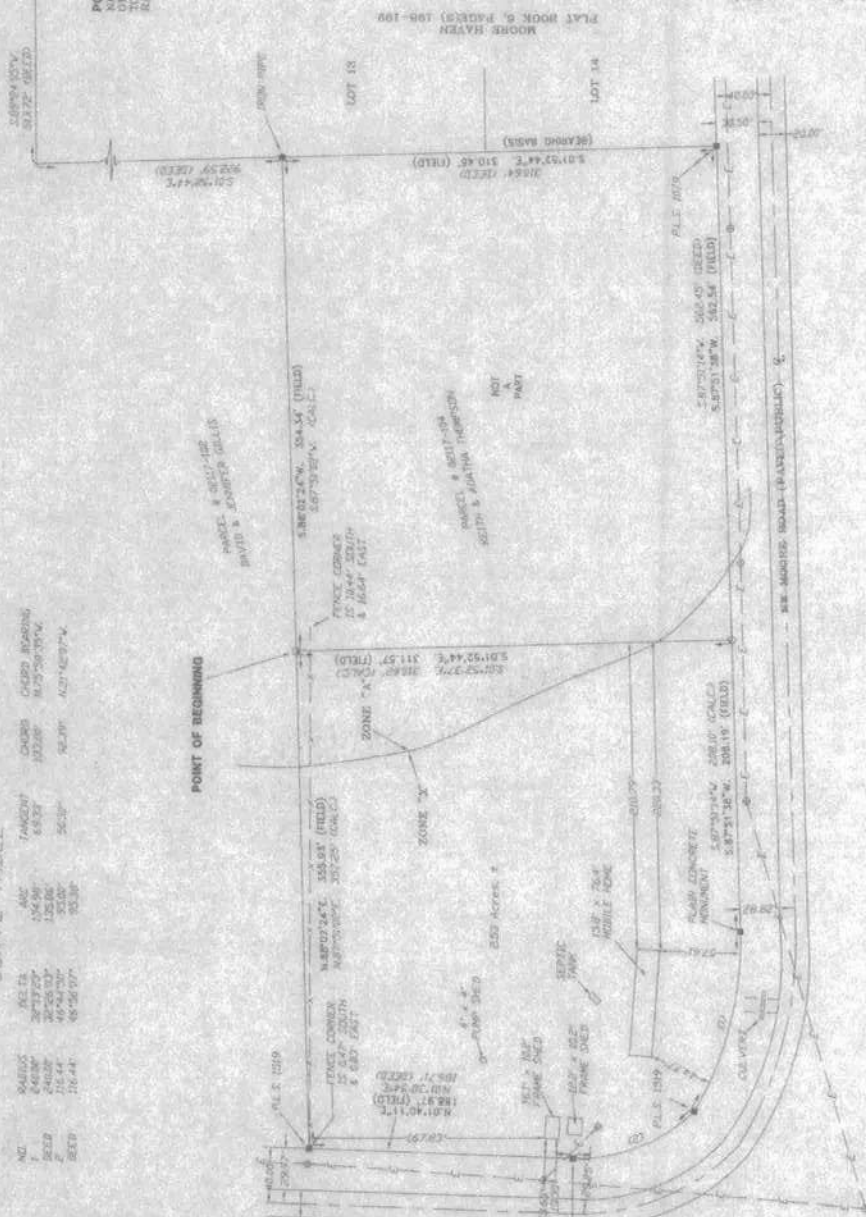
[illegible]

**BRITT**  
BRITT SURVEYING  
& MAPPING, LLC  
LAND SURVEYORS AND MAPPERS, L.B. # 5016  
201 S.W. MAIN BLVD., SUITE 101  
CORVALLIS, OR 97331

LAKE ELY, UTAH 89203  
www.bearcreekrv.com  
TEL: 775-238-7663 FAX: 775-238-7663  
WWW.BEARCREEKRV.COM  
1-888-888-8888

CURVE TABLE

IND	SALES	REV. 72	ABC	TARGET	CHURN	CHURN REASON
1	640.00	20713.25	154.94	6.828	132.00	11.75-50.79% <sup>1</sup>
2	242.00	24200.00	132.00			
3	242.00	49764.70	33.00	52.30	52.30	11.31-44.09% <sup>2</sup>
4	216.44					

[illegible][illegible]

CERTIFIED TO:

COPIES OF THE REPORT

[illegible]

BRITT SURVEYING  
& MAPPING, LLC

LAND SURVEYORS AND MAPPERS, L.P. # 8016  
2086 SW MAIN BLVD. SUITE 112  
LAKE CITY, FLORIDA 32055

WORK ORDER # C-23936



## FAMILY RELATIONSHIP AFFIDAVIT

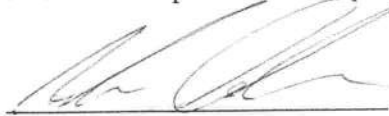
STATE OF FLORIDA  
COUNTY OF COLUMBIA

Print: 201612006628 Date: 4/19/2016 Time: 11:32 AM  
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B: 1313 P: 1267

BEFORE ME the undersigned Notary Public personally appeared, Nicklon  
Fields the Owner of the parent parcel which has been subdivided for and  
Margisa Fields, the Immediate Family Member of the Owner, which is  
intended for the Immediate Family Members primary residence use. The Immediate Family  
Member is related to the Owner as Daughter. Both individuals being  
first duly sworn according to law, depose and say:

1. Affiant acknowledges Immediate Family Member is defined as parent, grandparent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.
2. Both the Owner and the Immediate Family Member have personal knowledge of all matters set forth in this Affidavit.
3. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference with the Columbia County Property Appraiser Parent Tract Tax Parcel No. 14-35-16-02117-104.
4. The Immediate Family Member holds fee simple title to certain real property divided from the Owners' parent parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 14-35-16-02117-006.
5. No person or entity other than the Owner and Immediate Family Member to whom permit is being issued, including persons residing with the family member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the property.
6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for an Immediate Family Member being in compliance with the density requirements of the Columbia County's Comprehensive Plan and Land Development Regulations (LDR's).
7. This Affidavit and Agreement is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the facts represented by us in this Affidavit are true and correct and we accept the terms of the Agreement and agree to comply with it.



Owner

Nicklon Fields

Typed or Printed Name

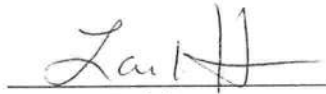


Immediate Family Member

Marisa Fields

Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 19 day of April, 2016,  
by Nicklon Fields (Owner) who is personally known to me or has produced  
NY DL as identification.



Notary Public



Subscribed and sworn to (or affirmed) before me this 19 day of April, 2016,  
by Marisa Fields (Family Member) who is personally known to me or has  
produced VA DL as identification.



Notary Public



APPROVED:  
COLUMBIA COUNTY, FLORIDA

By: LH

Name: Laurie Hodson

Title: Office Manager

# Alpine, an ITW Company

2400 Lake Orange Drive Suite 150 Orlando FL 32837  
Florida Engineering Certificate of Authorization Number: 0 278  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID: 1VQ79114Z0128103857

Truss Fabricator: **Anderson Truss Company**  
Job Identification: **16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055**  
Truss Count: **27**  
Model Code: **Florida Building Code 5th Edition (2014)**  
Truss Criteria: **TPI-2007(STD)**  
Engineering Software: **Alpine Software, Version 15.01.**  
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 - 37.0 PSF @ 1.25 Duration**  
Minimum Design Loads: **Floor - N/A**  
**Wind -**

## Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR9114

Details: BRCLBSUB-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	07505--T12	7' End Jack	16118001	04/27/16
2	07506-T25	26'9"8 Mono	16119001	04/28/16
3	07507--T10	2'11"4 Jack	16119002	04/28/16
4	07508-T2	26'4" Stepdow	16119003	04/28/16
5	07509--T11	11"4 Jack	16119004	04/28/16
6	07510--T9	4'11"4 Jack	16119005	04/28/16
7	07511-T21	26'9"8 Commo	16119006	04/28/16
8	07512--T5	26'4" Common	16119007	04/28/16
9	07513-T26	26'9"8 Commo	16119008	04/28/16
10	07514-T24	26'9"8 Mono	16119009	04/28/16
11	07515-T4	26'4" Stepdow	16119010	04/28/16
12	07516-T23	26'9"8 Mono	16119011	04/28/16
13	07517-T1	26'4" Stepdow	16119012	04/28/16
14	07518--T28	7' End Jack	16119013	04/28/16
15	07519--T6	26'4" Common	16119014	04/28/16
16	07520-T3	26'4" Stepdow	16119015	04/28/16
17	07521-T13	9'10"1 Hip J	16119016	04/28/16
18	07522-T34	9'10"1 Hip J	16119017	04/28/16
19	07523-T27	26'9"8 Mono	16119018	04/28/16
20	07524-T8	26'4" Stepdow	16119019	04/28/16
21	07525-T7	26'9"8 Common	16119020	04/28/16
22	07526-T14	26'9"8 Stepd	16119021	04/28/16
23	07527-T18	26'9"8 Mono	16119022	04/28/16
24	07528-T22	26'9"8 Mono	16119023	04/28/16
25	07529-T17	26'9"8 Commo	16119024	04/28/16
26	07530-T19	26'9"8 Mono	16119025	04/28/16
27	07531-T15	26'4" Common	16119026	04/28/16



This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

04/28/2016

William H. Krick  
-Truss Design Engineer-

2400 Lake Orange Dr, Suite 150  
Orlando FL, 32837





( 16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T12 7' End Jack )  
Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

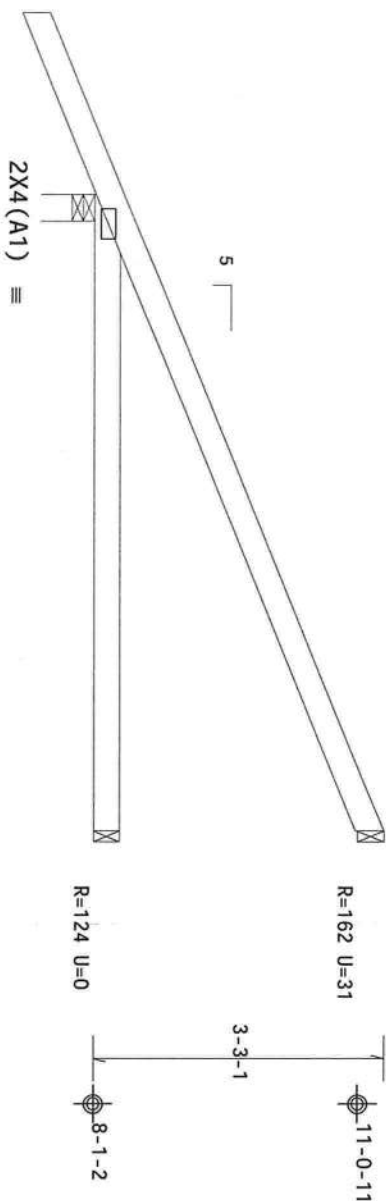
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

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

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



2-0-0  
7-0-0 Over 3 Supports  
R=408 U=20 W=3.5"  
RL=62

PLT TYP. Wave

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

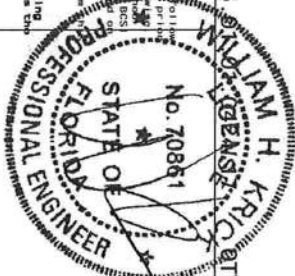
\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!



3400 Lake Orange Dr. Suite 150  
Orlando, FL 32837  
FL COA #0278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety) Information, by TPI and WCA. For safety practice, prior to performing these functions, installers shall provide temporary bracing per BCSP. Unless noted otherwise, all locations shown for permanent lateral restraint of webs shall have bracing installed per BCSP sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above the joint details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from drawing, any failure to build the truss in accordance with ANSI/TP1-1, or for handling, shipping, or bracing. A seal on this drawing or cover listing this drawing, indicates acceptance of professional engineering responsibility for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1-1 Sec.2.

ALPINE: www.alpineusa.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICD: www.icdinfo.org



TC LL	20.0 PSF	REF	R9114- 7505
TC DL	7.0 PSF	DATE	04/27/16
BC DL	10.0 PSF	DRW	H05R9114 16118001
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT. LD.	37.0 PSF	SEQN-	2215
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1V079114Z01

Scale = 5"/Ft.

04/28/2016

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

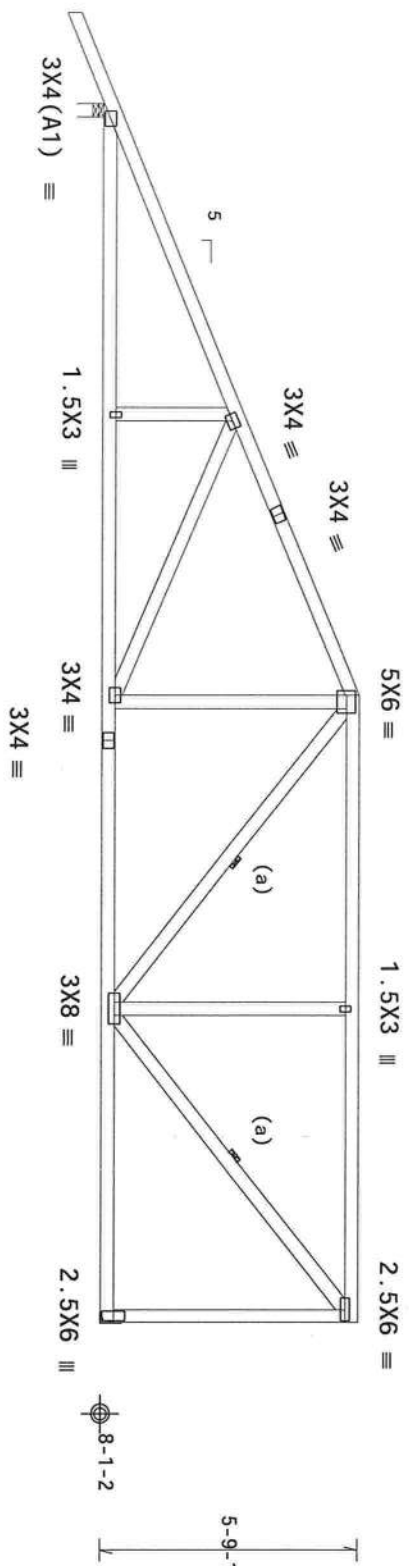
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

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

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




R=996 U=32  
H=H1

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

15 01-042M56-10

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

Scale = .25"/Ft.



2400 Lake Orange Dr., Suite 150  
Orlando, FL 32837  
FL COA #0278

**\*\*INSTALLER\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow all instructions included in the Truss Manual and the Building Components Safety Information by TPI and WCA. For safety precept prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all dimensions shown are nominal. All connections shall have a properly installed gusset plate or blocking as shown. The following locations shown for permanent lateral restraint or blocking shall be used unless otherwise specified: Locations B3, B7 or B10, as applicable. Apply plates to each face of Truss and position as shown above and below the joint. Details, unless noted otherwise. Refer to drawings TB6-2 for standard plate positions.

Alpine, a division of TW Building Components Group Inc., shall not be responsible for any deviation from the design of the Truss in conformance with ANSI/TPI-1, or for handling, shipping, installation or bracing of trusses.

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 drawing for any structure is the responsibility of the Building Designer per ANSI/TPI-1 Sec.2.

ALPINE: [www.alpine.com](http://www.alpine.com); TPI: [www.tpi.net](http://www.tpi.net); WCA: [www.wca-usa.com](http://www.wca-usa.com)

For more information see this job's general notes page and those on items:

[www.alpine.com](http://www.alpine.com); TPI: [www.tpi.net](http://www.tpi.net); WCA: [www.wca-usa.com](http://www.wca-usa.com); ITCC: [www.itccinfo.org](http://www.itccinfo.org)

For steel information see this job's general notes page and those on items:

[www.alpine.com](http://www.alpine.com); TPI: [www.tpi.net](http://www.tpi.net); WCA: [www.wca-usa.com](http://www.wca-usa.com); ITCC: [www.itccinfo.org](http://www.itccinfo.org)

A circular professional engineer seal for William H. Krick, No. 70861, State of Florida. The seal features the text "WILLIAM H. KRICK" at the top, "No. 70861" in the center, and "STATE OF FLORIDA" at the bottom. The words "PROFESSIONAL ENGINEER" are written around the inner border. There are two stars on either side of the number. A diagonal line is drawn across the seal.

TC LL	20.0 PSF	REF	R9114- 7506
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	H05R9114 16119001
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2776
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

04/28/2016

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

Top chord 2x4 SP #1

Bot chord 2x4 SP #1

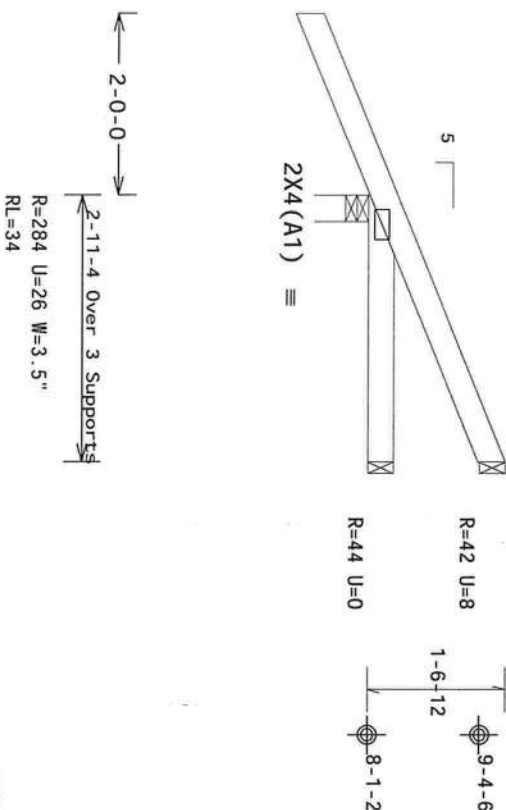
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

Bottom chord checked for 10.00 psf non-concurrent live load

120 mph wind, 15.00 ft mean ht, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpl(+/-)=0.18

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

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



PLT TYP. Wave

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

15 01 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1

Scale = .5"/Ft.

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

**ALPINE**  
AN ITW COMPANY

2400 Lake Orange Dr., Suite 150  
Orlando, FL 32837  
FL COA #0278

For more information see this job's general notice page and these web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTCA: [www.nbcindustry.com](http://www.nbcindustry.com); ICC: [www.iccsafo.org](http://www.iccsafo.org)

A seal on this drawing or cover page indicating this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TP1-1 Sec. 2.

A circular professional engineer seal for the State of Florida. The outer ring contains the text "WILLIAM H. KRUCK" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the words "STATE OF FLORIDA" are written in a semi-circle. In the center, the text "No. 70861" is displayed above a five-pointed star. The seal is stamped over the bottom portion of the document.

TC LL	20.0 PSF	REF R9114- 7507
TC DL	7.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUR9114 16119002
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 2777
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1VQ79114Z01



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

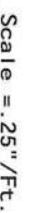
120 mph wind	15 00 ft mean hat	ASCE 7-10	CLOSED bldg	not located
1p)				

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=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

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

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



AN ITW COMPANY

04/28/2016

Value Set: 138 (Effective 6/1/2013)

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

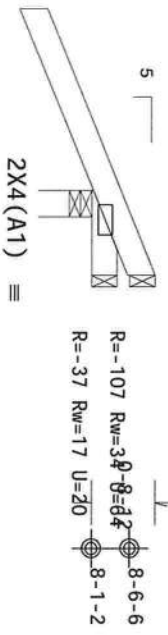
Lumber value set "138" uses design values approved 1/30/2013 by ALSC

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. Gcpl (+/-)=0.18

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

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



2'-0"-0" →  
0'-11"-4" →  
R=333 U=67 W=3.5"  
RL=20

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

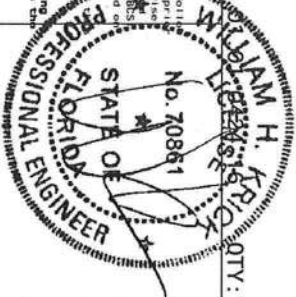


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FL COA #0278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WDAI for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be installed in accordance with the manufacturer's instructions. Locations shown for permanent lateral restraint of webs shall have bracing installed in the same locations. Refer to drawings 1604-Z for standard plate positions. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing or bracing of trusses.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing or bracing of trusses. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing or bracing of trusses. Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from the drawing or bracing of trusses.

For more information see this job's general notes page and those with attached. ALPINE: www.alpineitw.com; TPI: www.tpiinc.org; WDAI: www.wdaindustry.com; ICD: www.icdcorp.org



TC LL	20.0 PSF	REF R9114- 7509
TC DL	7.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUR9114 16119004
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEQN- 2779
DUR. FAC.	1.25	
SPACING	24.0"	JREF- 1VQ79114Z01

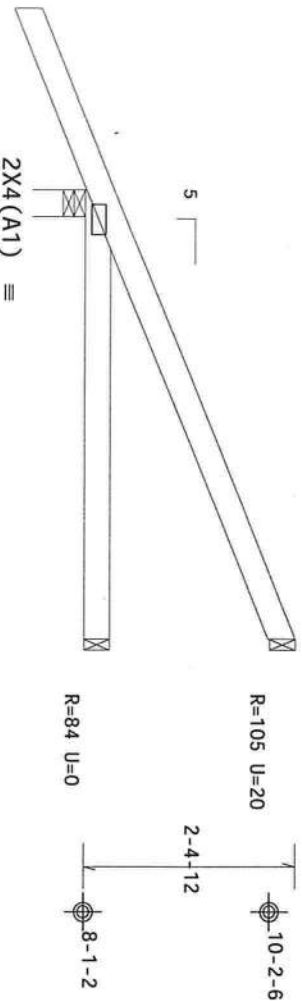
THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TROISS MEP

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=3.5 psf, wind BC DL=5.0 psf, GCoi (+/-)=0.18

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

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



$\overbrace{\hspace{1.5cm}}^{2-0-0}$   
 $\overbrace{\hspace{1.5cm}}^{4-11-4}$  Over 3 Supports  $\rightarrow$   
 R=339 U=22 W=3.5"  
 RL=48

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

Scale = .5"/Ft.

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



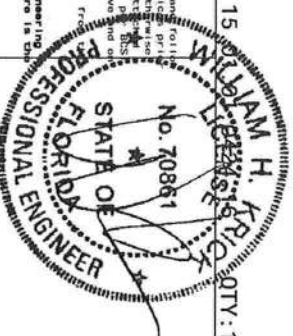
2400 Lake Orange Dr., Suite 150  
Orlando, FL 32837  
FL COA #0 278

Trenco's rigorous experience came in fabricating, installing, shipping, installing and bracing. Refer to any of our previous work or visit our website at [www.trencosystems.com](http://www.trencosystems.com) for more safety practice procedures. When it comes to performing these functions, Trenco's installers are well equipped with temporary bracing per IMSEI and top chord shoring. We have properly attached structural sheathing and bottom chord steel; have a properly attached rigid ceiling. Let others show for permanent lateral restraint of truss shall have bracing installed per code section B8. ECF or BRG as applicable. Apply plates to each face of truss and position as shown above and on drawings. All other details shall follow standard drawings. Refer to drawings T600-2 for standard plate positions.

All other components of the Building Components Group shall also not be responsible for any deviation from drawings. Any failure to build the truss in accordance with AISC/TPI 1 or for installing, shipping, installation and bracing of trenco's.

A seal on this drawing or cover page listing this drawing, includes acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2.

For more information see this job's general notes, shop and those web items:  
ALPHINE: [www.alphine.com](http://www.alphine.com); TPI: [www.tpiinc.org/TITC](http://www.tpiinc.org/TITC); www.aiaa-industry.com; ICC: [www.iccsafe.org](http://www.iccsafe.org)



TC LL	20.0 PSF	REF	R9114- 7510
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	2780
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01



(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T21 26'9"8 Common)

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

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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.

These hangers and support conditions used at bearings indicated.

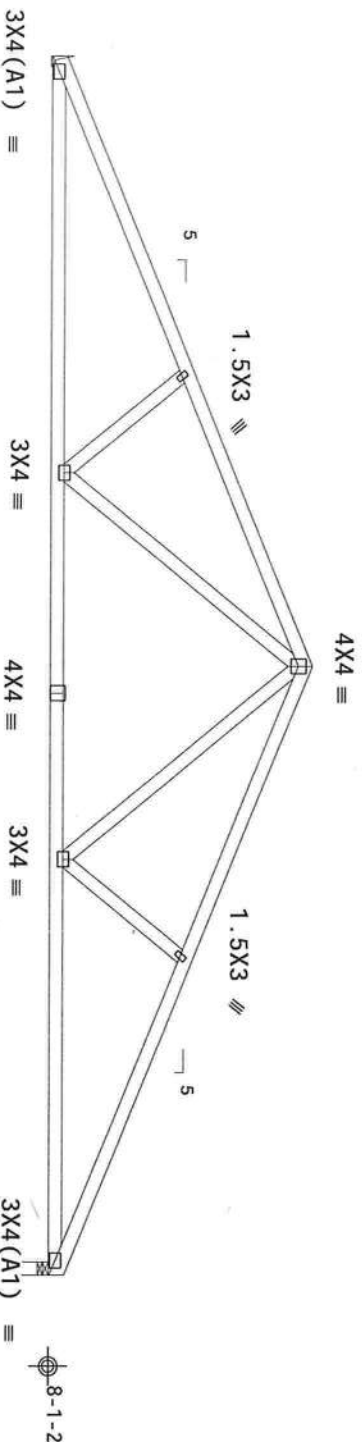
(H1) = Simpson  
(H2) = (J) Hanger not calculated  
(H3) = (J) Hanger not calculated

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=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=0.18

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

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

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



R=1056 U=0  
RL=72/-72  
H=H1

R=1058 U=0 W=3.5"

PLT TYP. Wave

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

15 QUANTITY: 3 FL/-/5/-/R/-

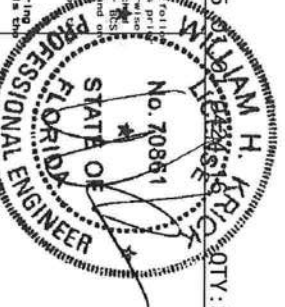
Scale = .25"/Ft.



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Orlando, FL 32837  
FL COA #0278

**\*\*IMPORTANT\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING.**  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTC) for safety practice. The top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have a properly installed plate. BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the joint details. Refer to drawings 100A-2 for standard plate positions.  
Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from the design shown. Trusses in conformance with AISI/TPI 1, or for handling, shipping, installation & bracing of trusses.  
**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 drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2.**

ALPINE: www.alpineitw.com; TPI: www.tpinet.org; WTC: www.structure.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 7511
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119006
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2783
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

04/28/2016

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

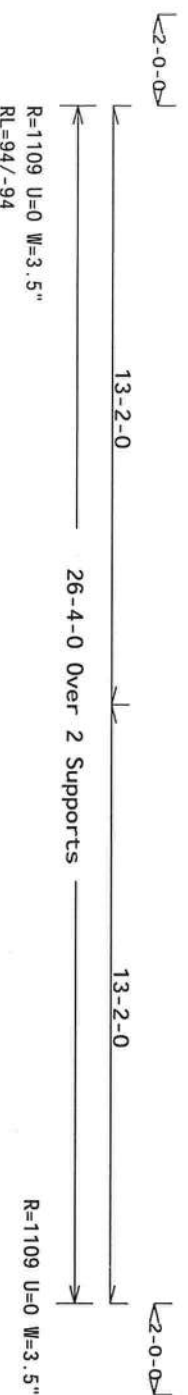
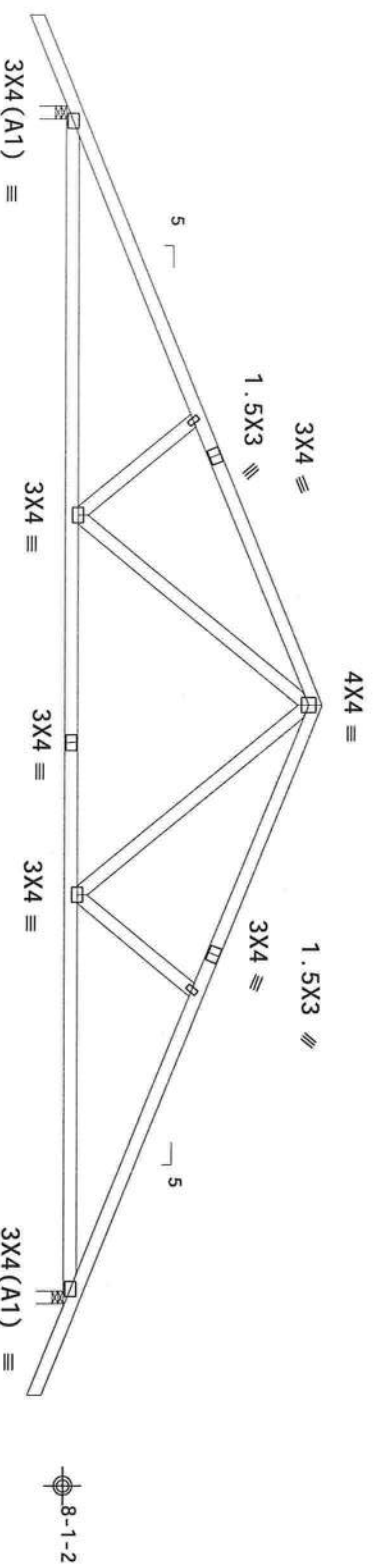
Deflection meets L/240 live and L/180 total load. Creep increase  
Factor for dead load is 1.50.

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=3.5 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.

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



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)

15

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

Scale = .25"/Ft.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING!



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FL COA #0278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to any  
the latest edition of BCSI (Building Component Safety Information), by TPI and WTCA, unless noted otherwise.  
top chord shall have properly attached structural bracing. Trusses shall be braced in accordance with the  
rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed in  
sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and  
the Joint Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions.  
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from  
installation & bracing of trusses.

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 general notes page and those with titles:  
ALPINE: www.alpinetw.com; TPI: www.tpi.net; WTCA: www.abctindustry.com; ICF: www.icfafe.org



TC LL	20.0 PSF	REF	R9114-7512
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSR9114 16119007
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2784
DUR. FAC.	1.25		
SPACING	24.0"	JREF	1VQ79114Z01

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

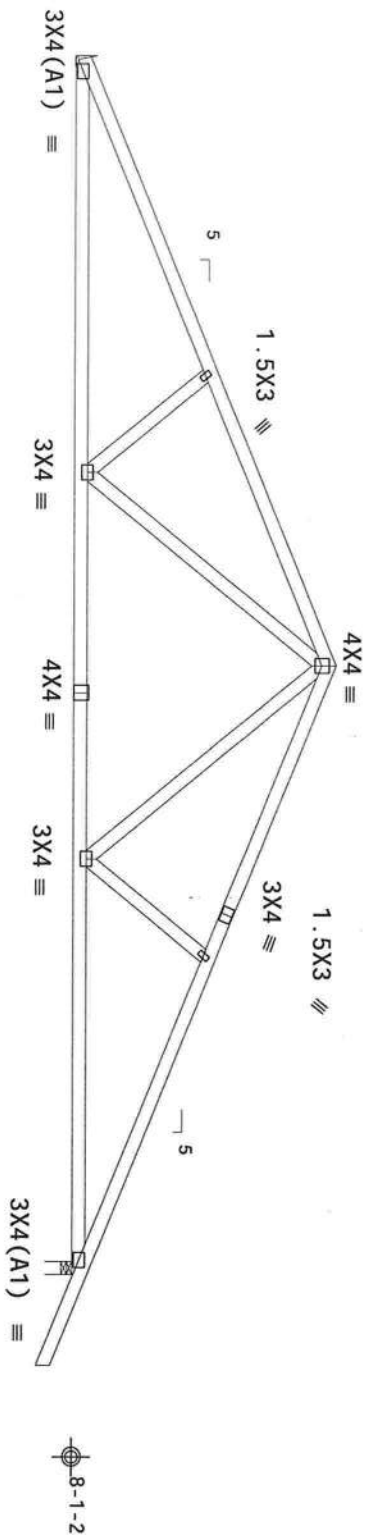
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located

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=3.5 psf, wind BC DL=5.0 psf,  $G C P_i (+/-)=0.18$

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

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

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



R=1182 U=0 W=3.5"

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

15

QTY:3 FL/-/5/-/-/R/-

Scale = .25"/Ft.

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

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Orlando, FL 32837  
FL COA #0278

For more information see this job's general notes page and those web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTGA: [www.wtgaindustry.com](http://www.wtgaindustry.com); ICG: [www.icgnate.org](http://www.icgnate.org)

TC LL	20.0 PSF	REF	R9114- 7513
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119008
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2785
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

04/28/2016



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

120 mph wind	15 00 ft mean hat	ASCE 7-10	CLOSED bldg	not located
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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=3.5 psf wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

Right end vertical not exposed to wind pressure.

Right end vertical not exposed to wind pressure.

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

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



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

FI/-/5/-/-/R/-

Scale = 25"/Ft

AN ITM COMPANY

For more information see this job's general notices page and those web sites:  
www.abnointelw.com; TPI: www.tntest.org; WTA: www.electronics.com; ICF: www.looseleaves.com

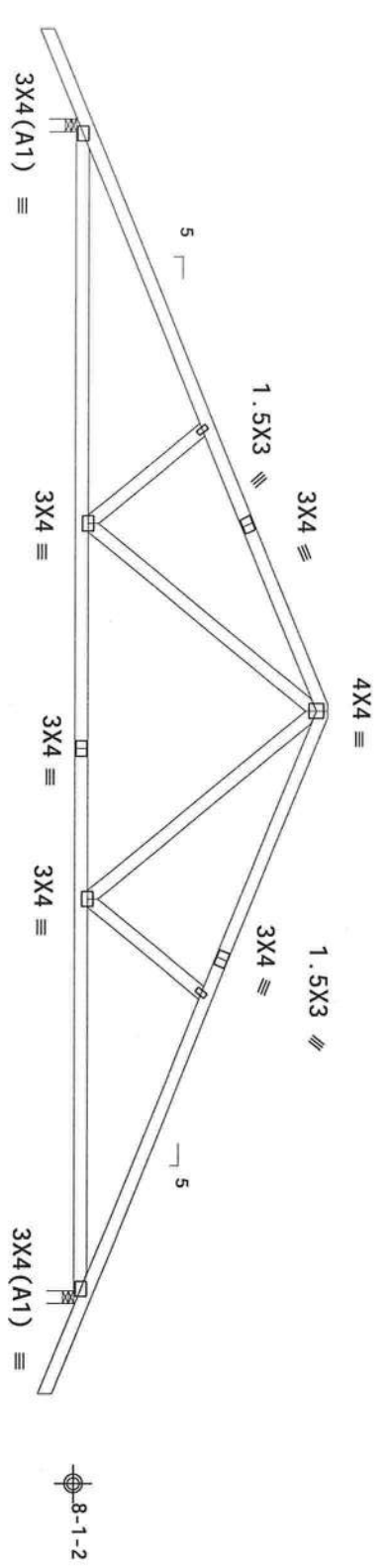
TC LL	20.0 PSF	REF R9114- 7514
TC DL	7.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUR9114 16119009
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	37.0 PSF	SEON- 2786
DUR. FAC.	1.25	
SPACING	24.0"	IPFF- 1V079114Z01

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
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=3.5 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.  
MMFRS loads based on trusses located at least 15.00 ft. from roof edge.

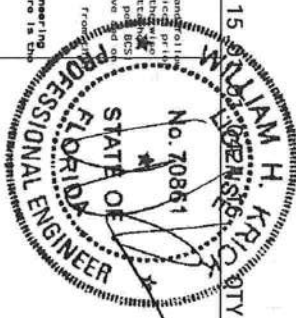


13-2-0  
26-4-0 Over 2 Supports  
13-2-0  
R=1109 U=0 W=3.5"  
RL=93/-93  
R=1109 U=0 W=3.5"  
RL=93/-93

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



2400 Lake Orange Dr., Suite 150  
Orlando, FL 32837  
FL COA #0278



TC LL	20.0 PSF	REF	R9114- 7515
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HGUSR9114 16119010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2789
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

THIS DWG PREPARED FROM COMPUTER INPUT (10ANS & DIMENSIONS) SUPPLIED BY TRUCE INC

120 mph wind	15 00 ft mean hgt	ASCE 7-10	CLOSED bldg	not located
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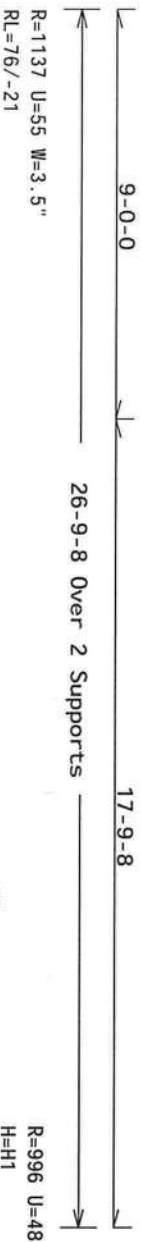
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf, GCbl (+/-)=0.18
---

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

Right end vertical not exposed to wind pressure.

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

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



Scale = .25"/Ft.

AN ITW COMPANY

For more information on this job's general notes page and those web sites:  
APMPC: [www.apmpc.com](http://www.apmpc.com); TPI: [www.tpinet.org](http://www.tpinet.org); WPCA: [www.sbcindustry.com](http://www.sbcindustry.com); ICJ: [www.icjinfo.org](http://www.icjinfo.org)

TC LL	20.0 PSF	REF	R9114- 7516
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119011
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	2790
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01



(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T1 26'4" Stepped Hip)

Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP #1  
Bot chord 2x4 SP #1 : B2 2x4 SP M-30:  
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

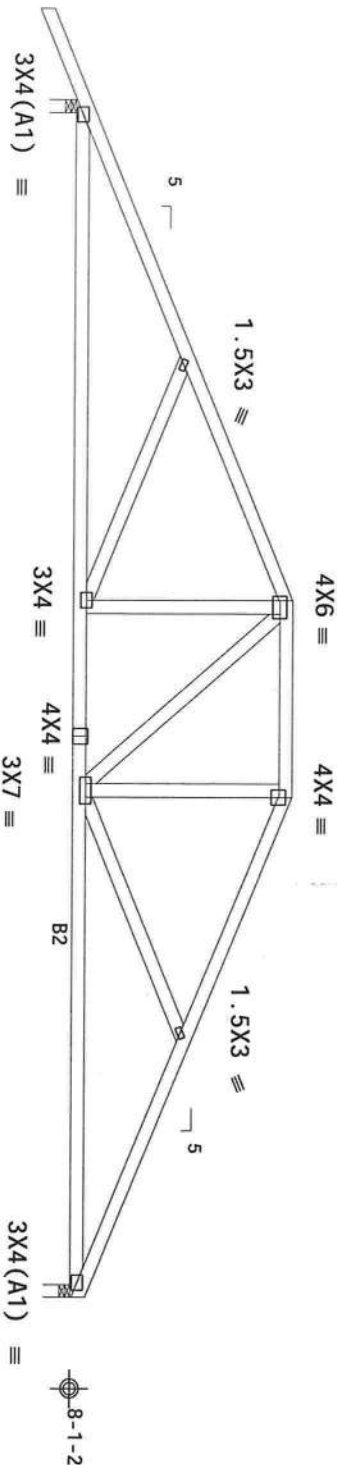
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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=3.5 psf, wind BC DL=5.0 psf, GCPI (+/-)=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.

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



R=1114 U=56 W=3.5"

R=984 U=36 W=3.5"

PLT TYP. Wave

Design Crit: FBC2010Res/TPI -2007 (STD)

15

QTY: 1

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

Scale = .25"/ft.

\*\*\*WARNING\*\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE 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 WCA) for safety practices and proper erection. Locations shown for permanent lateral restraint of webs shall have bracing installed in the joint between the truss and the wall or roof deck. Refer to drawings 1604-2 for standard plate positions.

Alpine, a division of TPI Building Components Group Inc. shall not be responsible for any deviation from the drawings or specifications.

Alpine, a division of TPI Building Components Group Inc. shall not be responsible for any deviation from the drawings or specifications.



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FL COA #0278

A seal on this drawing or cover page listing the drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and those with it.

ALPINE: www.alpineitw.com; TPI: www.tpiinc.org; WCA: www.wcaindustry.com; ICG: www.icgro.org

TC LL	20.0 PSF	REF	R9114- 7517
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSR9114 16119012
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2792
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

THIS RUM DERIVED FROM COGNAC IMPORTED (AS AGRICULTURAL PRODUCTS) QUALIFIED BY BEING MADE

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BCo DL=5.0 psf, GCoI(+/-)=0.18

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

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

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)

15

FI/-/5/-/-/B/-

Scale = 5"/E+

UNCLASSIFIED

TC LL	20.0 PSF
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RFF R9114- 7518

No. 70864

TC NI 7 0 BCE

REF	10114	1010
DATE	04/20/10	

No. 1000

1.0 PSI

DALE 04/28/16

and on

BC DL 10.0 PSF

DRW HCUSR9114 161190

STATE OF

BC LL 0.0 PSF

HC-ENG WHK/WHK

REC-FL 06/107

TOT ID 37 0 PSE

SEON - 2794

ESCI

2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408</
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4017 - 11820

CONJUNAL E

DUR.-FAC. 1.25

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org	
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SPACING 24.0"

JREF- 1WQ79114ZO

04/28/2016

(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T6 26'4" Common)

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

Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

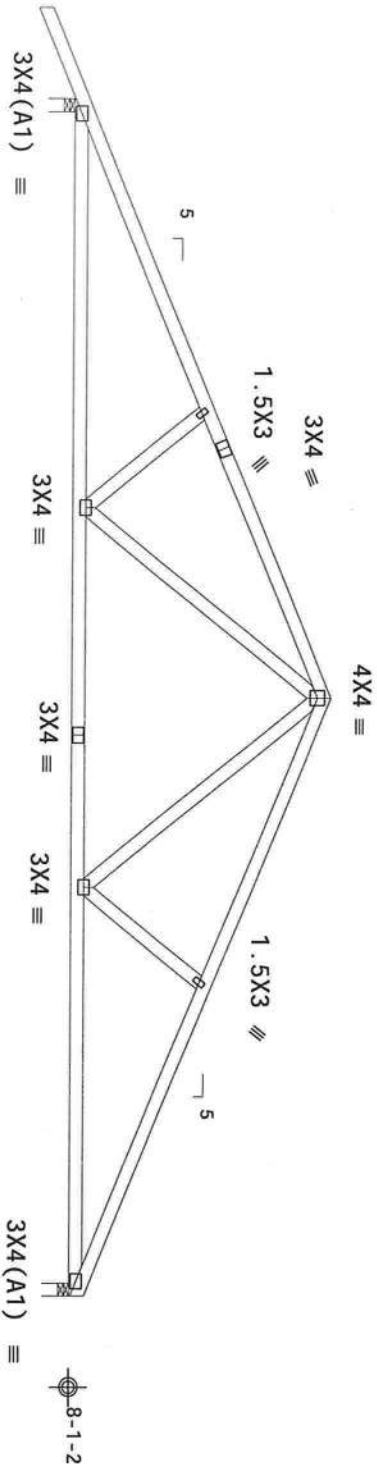
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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=3.5 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.

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



R=1114 U=0 W=3.5"  
RL=80/-85

R=984 U=0 W=3.5"

PLT TYP. Wave

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

15

QTY: 1 FL/-/5/-/-/R/-

Scale = .25"/Ft.

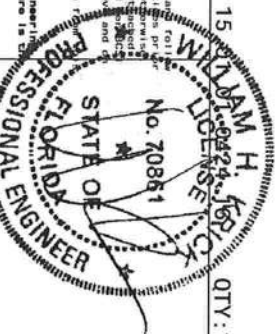
**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**  
**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**



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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 WTCI, for safety practices. The top chord shall have properly attached structural bracing. The bottom chord shall have properly attached structural bracing. The joint details, unless noted otherwise, shall conform to the standard details shown above and in section B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and in section B3, B7 or B10, as applicable. Refer to drawings 1604-2 for standard plate positions. Alpine, a division of TPI Building Components Group Inc., shall not be responsible for any deviation from the design shown. The truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing the drawing, indicating acceptance of professional engineer's responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ALPINE: www.alpinetw.com; TPI: www.tpiinc.org; WTCI: www.theindustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R9114- 7519
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSR9114 16119014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2796
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

04/28/2016



Value Set: 13B (Effective 6/1/2013)

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

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

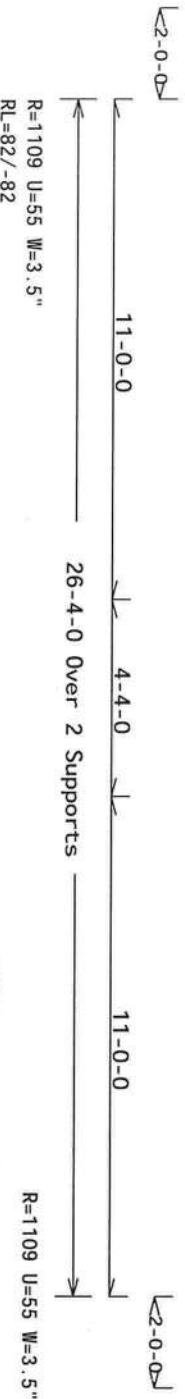
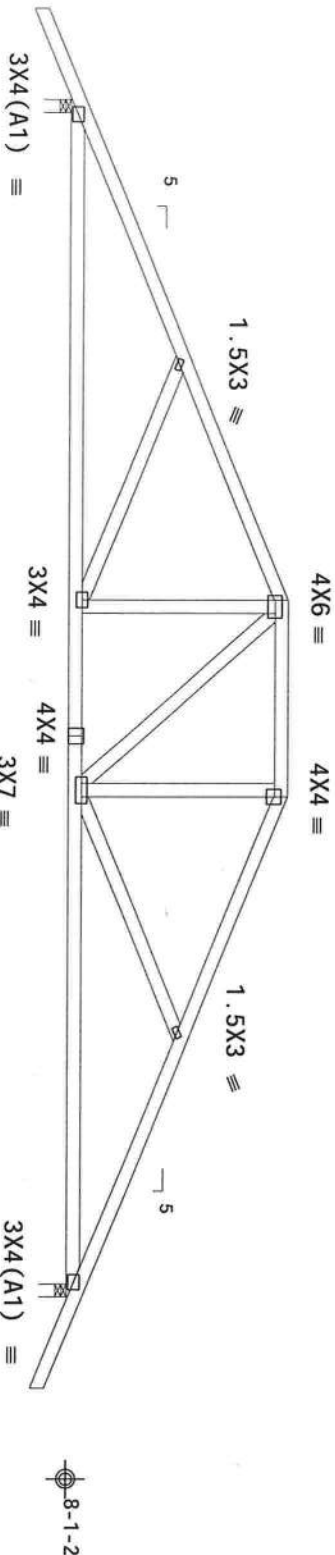
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

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=3.5 psf, wind BC DL=5.0 psf, Gcpi(+/-)=0.18

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

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

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



PLT TYP. Wave

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

15

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

Scale = .25"/Ft.



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FL COA #0278

**\*\*IMPORTANT\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**  
FURNISH THIS DRAWING TO ALL CONTRACTORS, INCLUDING THE INSTALLERS.  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WCA) for safety practices to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all truss members shall be properly attached structurally and bottom chord shall have a properly attached solid ceiling. Location of bracing shall be as shown above. Refer to drawings 160A-Z for standard plate positions. The Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from drawing, any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installation & bracing of trusses.  
**A seal on this drawing or cover page listing this drawing indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/TP1 1 Sec.2.**  
For more information see this job's general notes page and those web sites:  
ALPINE: www.alpinetw.com, TPI: www.tpiinc.org, WCA: www.wcaindustry.com, IGC: www.iccinfo.org



TC LL	20.0 PSF	REF	R9114- 7520
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSR9114 16119015
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2797
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ9114Z01

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

Top chord	2x4	SP #1
Bot chord	2x4	SP M-30

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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=3.5 psf wind BC DL=5.0 psf, Gcpi (+/-)=0.18

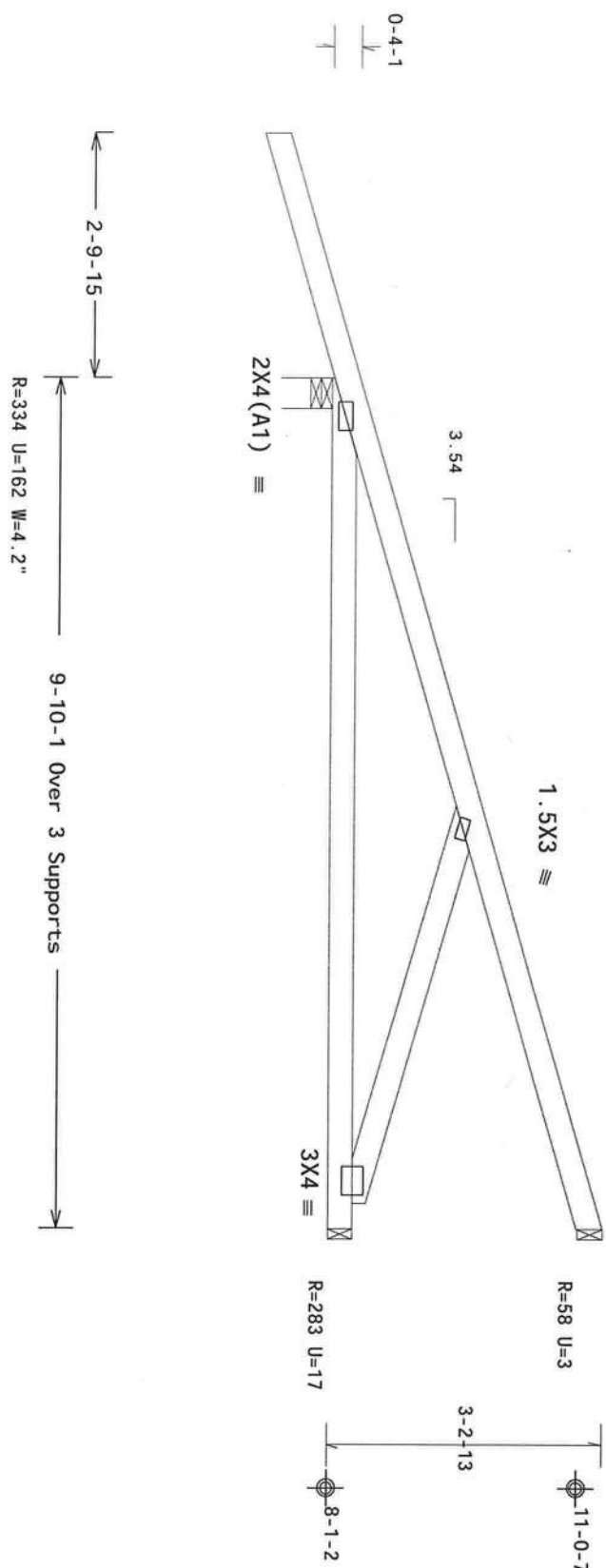
Wind loads and reactions based on MMFRS.

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

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	0 pif at	-2.83 to	55 pif at	0.00 to	0.00
TC-From	2 pif at	0.00 to	2 pif at	9.84 to	9.84
BC-From	0 pif at	-2.83 to	4 pif at	0.00 to	0.00
BC-From	2 pif at	0.00 to	2 pif at	9.84 to	9.84
TC-66.52 lb Conc.	Load at	1.37			
TC-83.13 lb Conc.	Load at	4.20			
TC-209.73 lb Conc.	Load at	7.03			
BC-4.15 lb Conc.	Load at	1.37			
BC-88.61 lb Conc.	Load at	4.20			
BC-168.52 lb Conc.	Load at	7.03			



PLT TYP. Wave

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

15 OCT 1964

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

Scale = .5"/Ft.

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

**ALPINE**  
AN ITW COMPANY

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Orlando, FL 32837  
FL COA #0278

For more information see this job's general notices page and those web sites:  
 AIAA: [www.aiaa.org](http://www.aiaa.org); SPIE: [www.spie.org](http://www.spie.org); ITTC: [www.itcc.org](http://www.itcc.org)  
 ASME: [www.asme.org](http://www.asme.org); ASCE: [www.asce.org](http://www.asce.org)



TC LL	20.0 PSF	REF	R9114- 7521
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119016
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT. LD.	37.0 PSF	SEQN-	2799
DUR. FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

(16-040-Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T34 9'10"1 Hip Jack Girder)	Special
Value Set: 138 (Effective 6/1/2013)	

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

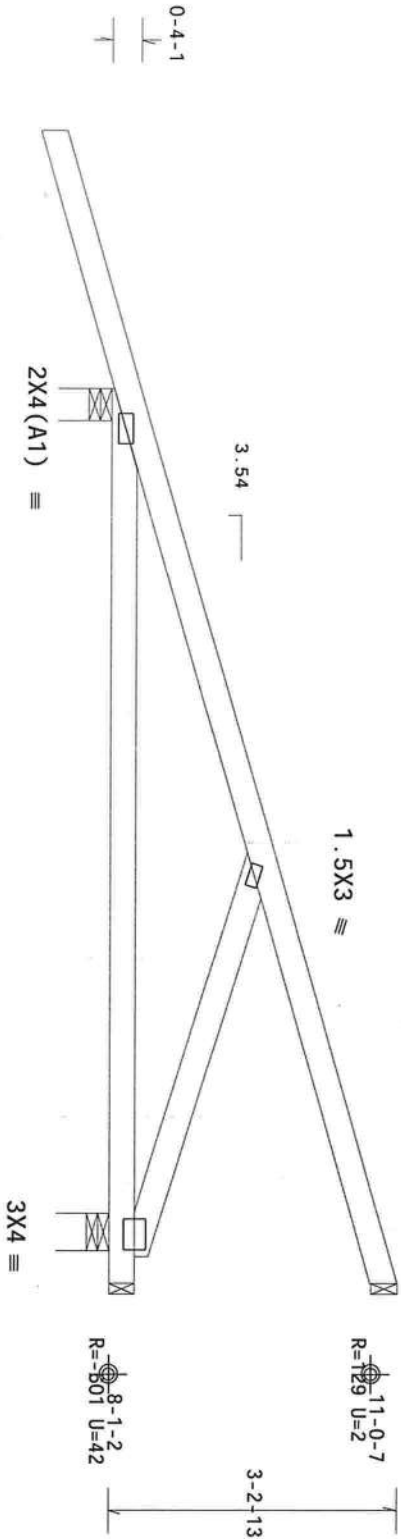
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC.

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=3.5 psf, wind BC DL=5.0 psf. GCPI (+/-)=0.18

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

Wind loads and reactions based on MNFRS.  
Deflection meets  $L/240$  live and  $L/180$  total load. Creep increase factor for dead load is 1.50.

Special loads	Dur.	Fac.=1.25 /	Plate	Dur.	Fac.=1.25)
-----Lumber					
TC- From	0 pif at	-2.83 to	55 pif at	0.00	
TC- From	2 pif at	0.00 to	2 pif at	9.84	
BC- From	0 pif at	-2.83 to	4 pif at	0.00	
BC- From	2 pif at	0.00 to	2 pif at	9.84	
TC- 66.52 lb Conc.	Load at		1.37		
TC- 83.13 lb Conc.	Load at		4.20		
TC- 209.73 lb Conc.	Load at		7.03		
BC- 4.15 lb Conc.	Load at		1.37		
BC- 88.61 lb Conc.	Load at		4.20		
BC- 168.52 lb Conc.	Load at		7.03		



R=648 U=164 W=4.2"

R=1114 U=0 W=4.95"

PLT TYP. Wave

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

15. **City:** GAZANSIA

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

Scale = 5"/Ft

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



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FL COA #0278

As seal on this drawing or cover page listing this drawing, indicate acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing 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 and those with it/ton.  
ALPINE: [www.alpineinc.com](http://www.alpineinc.com) TPI: [www.tpi-inc.org](http://www.tpi-inc.org) BTCA: [www.btcaindustry.com](http://www.btcaindustry.com) ICD: [www.icdinfo.org](http://www.icdinfo.org)

Professional Engineer Seal for William H. Kricorian, State of Florida, No. 70861. The seal is circular with the text "WILLIAM H. KRICORIAN" around the top, "STATE OF FLORIDA" around the bottom, and "No. 70861" in the center.

TC LL	20.0 PSF	REF R9114- 7522
TC DL	7.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUSR9114 16119017
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN- 2800
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1V079114Z01

04/28/2016



(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T27 26'9"8 Mono Hip Girder)  
Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP 2850F-2.3E : T1 2x4 SP #1:  
Bot chord 2x4 SP 2850F-2.3E  
Webs 2x4 SP #3 : W6 2x4 SP #1:

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
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=3.5 psf,  
wind BC DL=5.0 psf, GCPI(+/-)=0.18

Wind loads and reactions based on MMFRS.

(a) Continuous lateral restraint equally spaced on member.

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.

Special loads

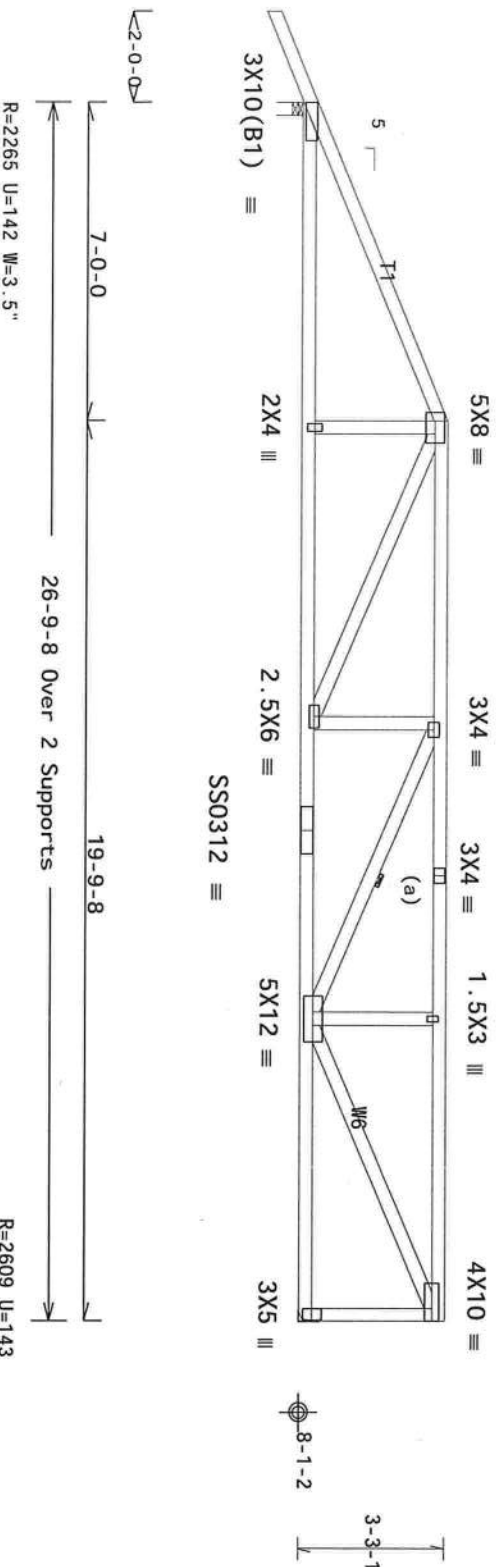
-----Lumber		Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC-From	55 pif at -2.00 to 55 pif at 7.00	
TC-From	28 pif at 7.00 to 28 pif at 17.00	
TC-From	28 pif at 17.00 to 28 pif at 26.79	
BC-From	4 pif at -2.00 to 4 pif at 0.00	
BC-From	20 pif at 0.00 to 20 pif at 7.03	
BC-From	10 pif at 7.03 to 10 pif at 16.00	
BC-From	10 pif at 16.00 to 10 pif at 26.79	
TC-220.31	1b Conc. Load at 9.06,11.06,13.06,15.06	
TC-161.86	1b Conc. Load at 9.06,11.06,13.06,15.06	
BC-406.95	1b Conc. Load at 7.03	
BC-123.90	1b Conc. Load at 9.06,11.06,13.06,15.06	
17.06,19.06,21.06,23.06,25.06,26.73		

Right end vertical not exposed to wind pressure.

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

These hangers and support conditions used at bearings indicated.

(H1) = Simpson  
(H2) = (J) Hanger not calculated



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

\*\*WARNING! \*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!



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Orlando, FL 32837  
FL COA #0278

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCS1 (Building Component Safety) Information, by TPI and WTCA, for safety practices. Top chord shall have properly attached lateral bracing. All other members shall have properly installed rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed in sections B3, B7 or B10, as applicable. Refer to drawings 1604-2 for standard plate positions. The joint details, unless noted otherwise, shall not be responsible for any deviation from the design. All trusses in compliance with ANSI/TPI 1, or for handling, shipping.

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 drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

ALPINE: www.alpineinc.com, TPI: www.tpiinc.org, WTCA: www.structure.com, ICC: www.iccsafe.org	
QTY: 1	FL/-/5/-/-/R/-
TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"



Scale = .25"/Ft.	
REF	R9114- 7523
DATE	04/28/16
DRW	HCSR9114 16119018
HC-ENG	WHK/WHK
SEQN	2802
JREF	1VQ79114Z01

(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T8 26'4"

Top chord 2x4 SP #1 : T2 2x4 SP 2850f-2.3E:  
Bot chord 2x4 SP M-30  
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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=3.5 psf, wind BC DL=5.0 psf, GCPI(+/-)=0.18

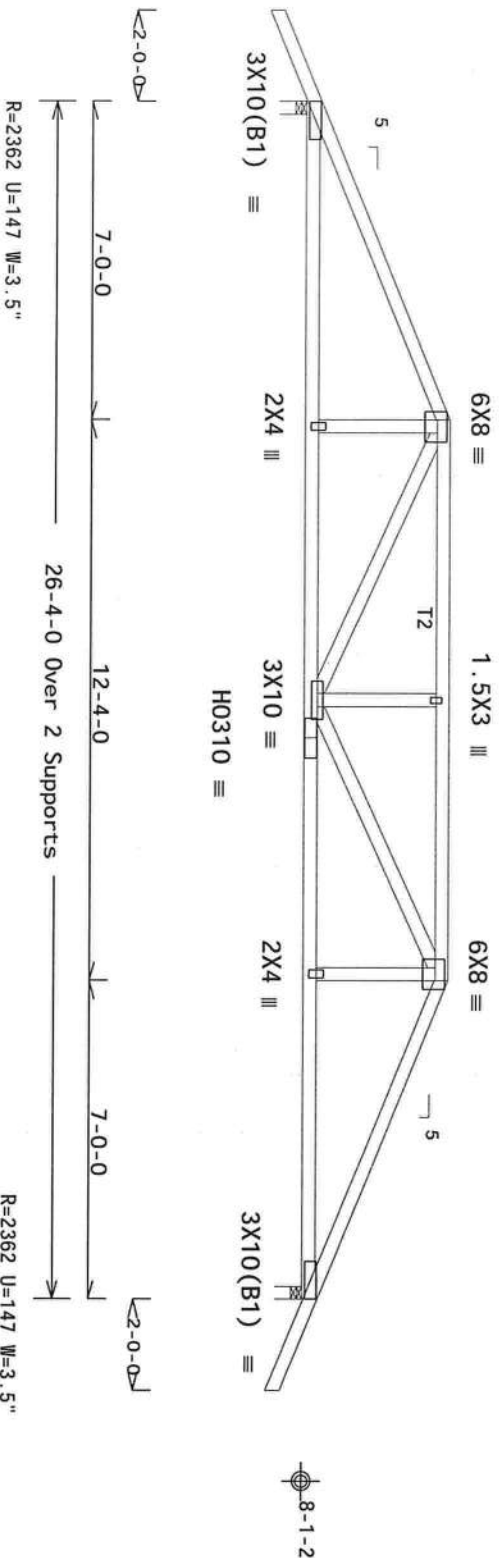
Wind loads and reactions based on MMFRS.

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.

	Dur.	Fac.=1.25	/ Plate	Dur.	Fac.=1.25)
Special loads					
--(Lumber					
TC- From	55 pif at -2.00 to	55 pif at 7.00			
TC- From	28 pif at 7.00 to	28 pif at 19.33			
TC- From	55 pif at 19.33 to	55 pif at 28.33			
BC- From	4 pif at -2.00 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 14.00			
BC- From	20 pif at 14.00 to	20 pif at 19.30			
BC- From	4 pif at 19.30 to	4 pif at 26.33			
BC- From	4 pif at 26.33 to	4 pif at 28.33			
TC- 220.31 lb Conc.	Load at 7.03,	19.30			
TC- 161.86 lb Conc.	Load at 9.06,	11.06, 13.06, 13.27			
15.27, 17.27					
BC- 406.95 lb Conc.	Load at 7.03,	19.30			
BC- 123.90 lb Conc.	Load at 9.06,	11.06, 13.06, 13.27			
15.27, 17.27					

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

15

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

Scale = .25"/Ft.

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



2400 Lake Orange Dr., Suite 150  
Orlando, FL 32837  
FL COA #0278

[illegible]

REF	R9114 - 7524
DATE	04/28/16
DRW	HCSR9114 16119019
HC-ENG	WHK/WHK
SEON-	2806
DUR. FAC.	1.25
SPACING	24.0"

04/28/2016

(16-040-Dion Taylor / Dion Hip Set -- Lake City, FL 32055 - T7 26'9"8 Common)  
Value Set: 13B (Effective 6/1/2013)

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

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

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

90 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 9.00 ft from roof edge, CAT 11, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

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

Bottom chord checked for 20.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.



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

15

QTY:3 FL/-/5/-/-/R/-

Scale = .25"/Ft.

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

**\*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS**



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Orlando, FL 32837  
FL COA #0278

For more information see this job's general notes page and these web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTCA: [www.wbciindustry.com](http://www.wbciindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

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 drawing for any structure is the responsibility of the Building Designer per AISI/TPI 1 Sec.2.



TC LL	20.0 PSF	REF	R9114 - 7525
TC DL	10.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSF9114 16119020
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	103948
DUR.FAC.	1.15		
SPACING	24.0"	JREF-	1V079114Z01

THIS DWG PREPARED FROM COMPUTER INPUT (ORDS & DIMENSIONS) SUBMITTED BY TRUSS WCO

Negative reaction(s) of -24# MAX. (See below) from a non-wind load case requires uplift connection.

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

Right end vertical not exposed to wind pressure.  
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.  
MMF/RS loads based on trusses located at least 15.00 ft. from roof edge.



15 01.04.2016

Scale = .25"/Ft.

**\*\*WARNING!\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!**

[illegible]

FL COA #0278

For more information see this job's general notes page and those web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTCA: [www.tbciindustry.com](http://www.tbciindustry.com); ICC: [www.iccinfo.org](http://www.iccinfo.org)

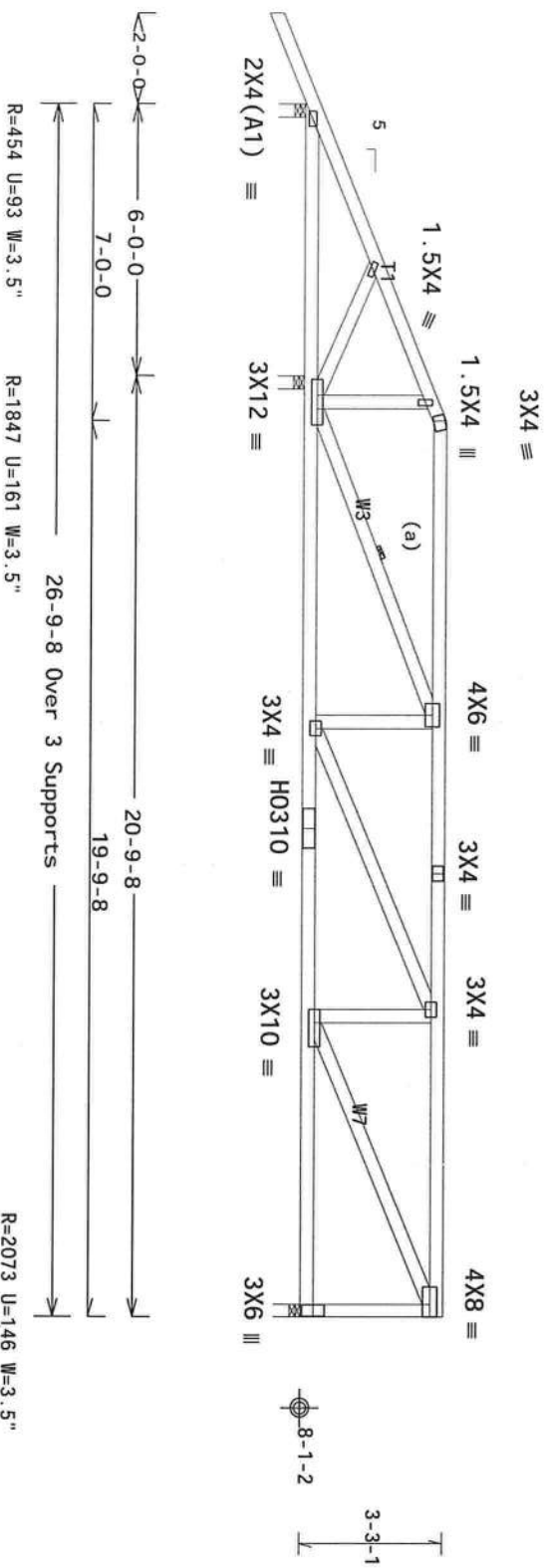
TC LL	20.0 PSF	REF	R9114- 7526
TC DL	10.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSUR9114 16119021
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	103959
DUR.FAC.	1.15		
SPACING	24.0"	JREF-	1VQJ9114Z01

04/28/2016



Value Set: 13B (Effective 6/1/2013)  
Top chord 2x4 SP SS Dense :T1 2x4 SP #2:  
Bot chord 2x4 SP SS Dense  
Webs 2x4 SP #3 :W3, W7 2x4 SP #2:  
Lumber value set "13B" uses design values approved 1/30/2013 by ALSC  
90 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located  
within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind  
BC DL=5.0 psf.  
Wind loads and reactions based on MMFRS.  
(a) Continuous lateral restraint equally spaced on member.  
In lieu of structural panels use purlins to brace all flat TC @ 24"  
OC.  
Bottom chord checked for 20.00 psf non-concurrent live load.

Special loads  
-----Lumber Dur.Fac.=1.15 / Plate Dur.Fac.=1.15)  
TC-From 62 pif at -2.00 to 62 pif at 7.00  
TC-From 31 pif at 7.00 to 31 pif at 17.00  
TC-From 31 pif at 17.00 to 31 pif at 26.79  
BC-From 4 pif at -2.00 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 16.00  
TC-From 10 pif at 16.00 to 10 pif at 26.79  
TC-161.86 lb Conc. Load at 7.03  
TC-161.86 lb Conc. Load at 9.06, 11.06, 13.06, 15.06  
TC-155.43 lb Conc. Load at 26.73  
BC-281.18 lb Conc. Load at 26.73  
BC-123.90 lb Conc. Load at 9.06, 11.06, 13.06, 15.06  
17.06, 19.06, 21.06, 23.06, 25.06, 26.73  
Right end vertical not exposed to wind pressure.  
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: CUSTOM/TPI-2007(STD)  
FT/RT=10%(0%)/0(0)

15 WILLIAM H. KROG  
FLORIDA PROFESSIONAL ENGINEER  
No. 70861  
STATE OF FLORIDA  
QTY: 1

FL/-/5/-/-/R/-  
Scale = .25"/Ft.



Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and WTCA, for safety practices and procedures. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be braced in accordance with the provisions of the BCSI. Locations shown for permanent lateral bracing are not to be construed as a requirement for the joint details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from the drawings. Any failure to build the truss in accordance with ASI/TPI 1, or for handling, shipping, bracing, or bracing of trusses. Alpine is not responsible for the use of this drawing for any structure is the responsibility of the Building Designer per ASI/TPI 1 Sec.2.  
For more information see this web site:  
ALPINE: www.alpineinc.com, TPI: www.tpiinc.org, WTCA: www.wtcaindustry.com, IBC: www.internationalbuildingcode.org

TC LL	20.0 PSF	REF R9114- 7527
TC DL	10.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUSR9114 16119022
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT.LD.	40.0 PSF	SEQN- 3626
DUR.FAC.	1.15	
SPACING	24.0"	JREF- 1VQ79114Z01

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

90 mph wind, 15.00 ft mean hgt, ASEC 7-02, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcbl (+/-)=0.18

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

Bottom chord checked for 20.00 psf non-concurrent

All wind load cases on this truss have a 1.33 duration factor.

All wind load cases on this truss have a 1.33 duration factor.



Scale = 25"/Ft

RFF R9114- 7528

AN ITW COMPANY

For more information see this job's general notes page and these web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTC: [www.sib-industry.com](http://www.sib-industry.com); ICG: [www.icgcarf.org](http://www.icgcarf.org)

TC LL	20.0 PSF	REF R9114- 7528
TC DL	10.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCUSR9114 16119023
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEON- 103954
DUR. FAC.	1.15	
SPACING	24.0"	IRFE- 1V079114Z01

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

90 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located

90 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCPI (+/-)=0.18

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

Bottom chord checked for 20.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.



QTY: 15

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

Scale = .25"/Ft.

AN ITW COMPANY

For more information see this job's general notes page and these web sites:  
ALPINE: [www.alpineinc.com](http://www.alpineinc.com); TPI: [www.tpinet.org](http://www.tpinet.org); WTGA: [www.sbcindustry.com](http://www.sbcindustry.com); ICC: [www.iccsafe.org](http://www.iccsafe.org)

TC LL	20.0 PSF	REF R9114- 7529
TC DL	10.0 PSF	DATE 04/28/16
BC DL	10.0 PSF	DRW HCU8R9114 16119024
BC LL	0.0 PSF	HC-ENG WHK/WHK
TOT. LD.	40.0 PSF	SEQN- 103956
DUR. FAC.	1.15	
SPACING	24.0"	JREF- 1VQ79114Z01

04/28/2016

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

90 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 9.00 ft from roof edge, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

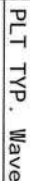
Wind loads and reactions based on MMFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 20.00 psf non-concurrent live load.

All wind load cases on this truss have a 1.33 duration factor.

All wind load cases on this truss have a 1.33 duration factor.



15 JULIAM H. KIRBY  
1919-1984-16710

Scale = .25"/Ft.

AN ITW COMPANY

For more information on this job's general notes page and those web sites:  
ALPINE: [www.alpinetw.com](http://www.alpinetw.com); TPI: [www.tpinet.org](http://www.tpinet.org); BTCA: [www.bctca.org](http://www.bctca.org)  
ICC: [www.iccinfo.org](http://www.iccinfo.org)

TC LL	20.0 PSF	REF	R9114- 7530
TC DL	10.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCSUR9114 16119025
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	40.0 PSF	SEQN-	103957
DUR.FAC.	1.15		
SPACING	24.0"	JREF-	1VQ79114Z01

SPACING	24.0"	JREF- 1VQ79114Z01
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04/28/2016



(16-040--Dion Taylor /Dion Hip Set -- Lake City, FL 32055 - T15 26'4" Common Girder)  
Value Set: 13B (Effective 6/1/2013)

Top chord 2x4 SP M-30 :T2 2x4 SP #1:  
:T3 2x4 SP 2850f-2.3E:  
Bot chord 2x6 SP M-26 :B2 2x6 SP SS:  
Webs 2x4 SP #3

Lumber value set "13B" uses design values approved 1/30/2013 by ALSC

### Special loads

-----Lumber  
Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC- From 55 pif at -2.00 to 55 pif at 7.06  
TC- From 28 pif at 7.06 to 28 pif at 7.63  
TC- From 28 pif at 7.63 to 28 pif at 13.17  
TC- From 55 pif at 13.17 to 55 pif at 26.33  
BC- From 4 pif at -2.00 to 4 pif at 0.00  
BC- From 20 pif at 0.00 to 20 pif at 7.06  
BC- From 10 pif at 7.06 to 10 pif at 14.00  
BC- From 10 pif at 14.00 to 10 pif at 26.33  
BC- 2608.74 lb Conc. Load at 7.06  
BC- 996.29 lb Conc. Load at 9.06, 11.06, 13.06  
BC- 1050.87 lb Conc. Load at 15.06, 17.06, 19.06  
BC- 1056.01 lb Conc. Load at 21.06, 23.06, 25.10

## 2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3", min. nails  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @ 3.50" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails in each row to avoid splitting.

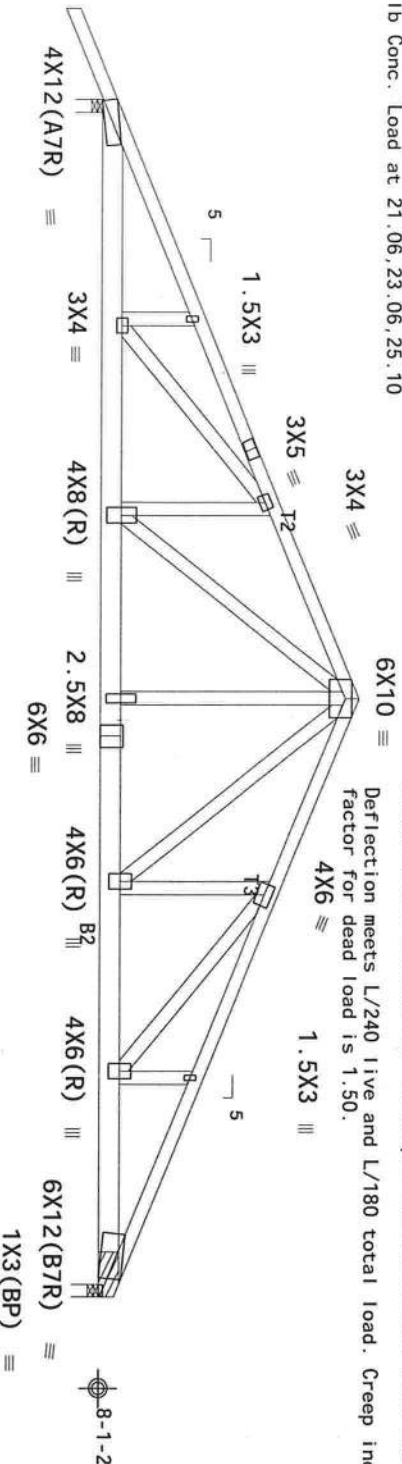
Brig blocks: 0.131"x3", min. nails  
brg x-loc. #blocks length/blk #nails/blk wall plate  
2 26.042' 1 12" 5 Rigid Surface  
Brig block to be same size and species as chord.  
Refer to drawing CWNALSP1014 for more information.

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=3.5 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.

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



13'-2'-0" 26'-4'-0" Over 2 Supports 13'-2'-0"  
R=6075 U=186 W=3.5"  
R=7581 U=0 W=3.5"

PLT TYP. Wave

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

15

QTY: 1

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

Scale = .25"/Ft.

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



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Orlando, FL 32837  
FL COA #0278

For more information see this job's general notes page and those with client:  
ALPINE: www.alpineitw.com; TPI: www.tpiinc.org; WTA: www.wtaindustry.com; IDC: www.idcinfo.org

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 WTA, for safety practices. Top chord shall have properly attached bracing. All bracing shall be installed in accordance with the BCSI (Building Component Safety) Information, by TPI and WTA, for safety practices. The joint details, unless noted otherwise, refer to drawings 1604-2 for standard plate positions. Alpine, a division of ITW Building Components Group Inc., shall not be responsible for any deviation from the drawings or specifications. The truss in conformance with ASCE/TP1-1, or for handling, shipping, installation & bracing of trusses.



TC LL	20.0 PSF	REF	R9114- 7531
TC DL	7.0 PSF	DATE	04/28/16
BC DL	10.0 PSF	DRW	HCUSR9114 16119026
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	103978
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1VQ79114Z01

# CLR Reinforcing Member Substitution

This detail is to be used when a Continuous Lateral Restraint (CLR) is specified on a truss design but an alternative web reinforcement method is desired.

## Notes:

This detail is only applicable for changing the specified CLR shown on single ply sealed designs to T-reinforcement or L-reinforcement or scab reinforcement.  
Alternative reinforcement specified in chart below may be conservative. For minimum alternative reinforcement, re-run design with appropriate reinforcement type.

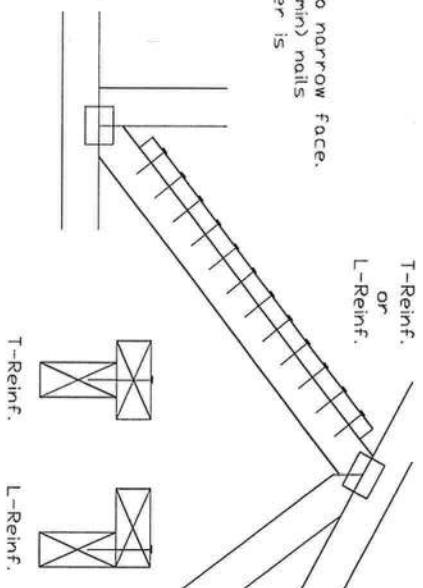
Web Member Size	Specified CLR Restraint	Alternative Reinforcement T- or L- Reinf. Scab Reinf.
2x3 or 2x4	1 row 2 rows	2x4 2x6 1-2x4 2-2x4
2x5	1 row 2 rows	2x4 2x6 1-2x6 2-2x4(*)
2x8	1 row 2 rows	2x6 2x8 1-2x8 2-2x6(*)

T-reinforcement, L-reinforcement, or scab reinforcement to be same species and grade or better than web member unless specified otherwise on Engineer's sealed design.

(\*) Center scab on wide face of web. Apply (1) scab to each face of web.

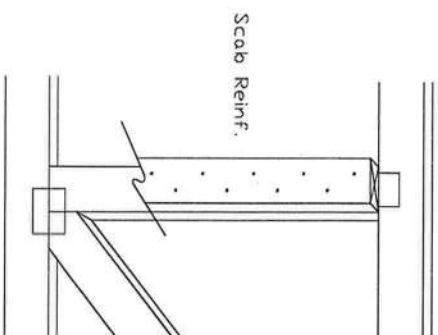
## T-Reinforcement or L-Reinforcement:

Apply to either side of web narrow face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.



## Scab Reinforcement:

Apply scabs to wide face of web. No more than (1) scab per face. Attach with 10d (0.128"x3.0",min) nails at 6" o.c. Reinforcing member is a minimum 80% of web member length.

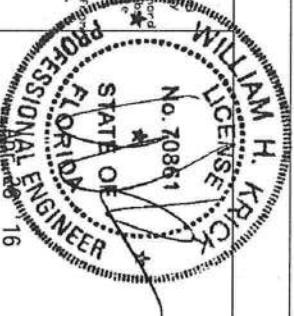


13723 Riverport Drive  
Suite 200  
Maryland Heights, MO 63043

\*\*\*IMPORTANT\*\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

Trusses require extreme care in fabricating, including installing and bracing. Refer to a follow the latest edition of BECS (Building Erection Code) for safety and bracing practices prior to performing these functions. Installers shall provide temporary bracing per BECS unless noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall be as shown above and on the joint details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions.

Alpine, a division of JTV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation & bracing of trusses. Page listing this drawing indicates acceptance of professional engineering responsibility solely for the design shown on this drawing as drawn for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.1. For more information see this job's general notes page and these web sites: ALPINE: www.alpinecorp.com; TPI: www.tpi.org; BECS: www.becestry.org; IBC: www.iccsafe.org



TC LL	PSF	REF	CLR Subst.
TC DL	PSF	DATE	10/01/14
BC DL	PSF	DRWG	BRCLBSUB1014
BC LL	PSF		
TDI. L.D.	PSF		
DUR. FAC.			
SPACING			

## NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (IN NAIL PLACEMENT)

UP NAILS (6 NAIL DIAMETERS)  
SPACING THE NAILS IN A ROW

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

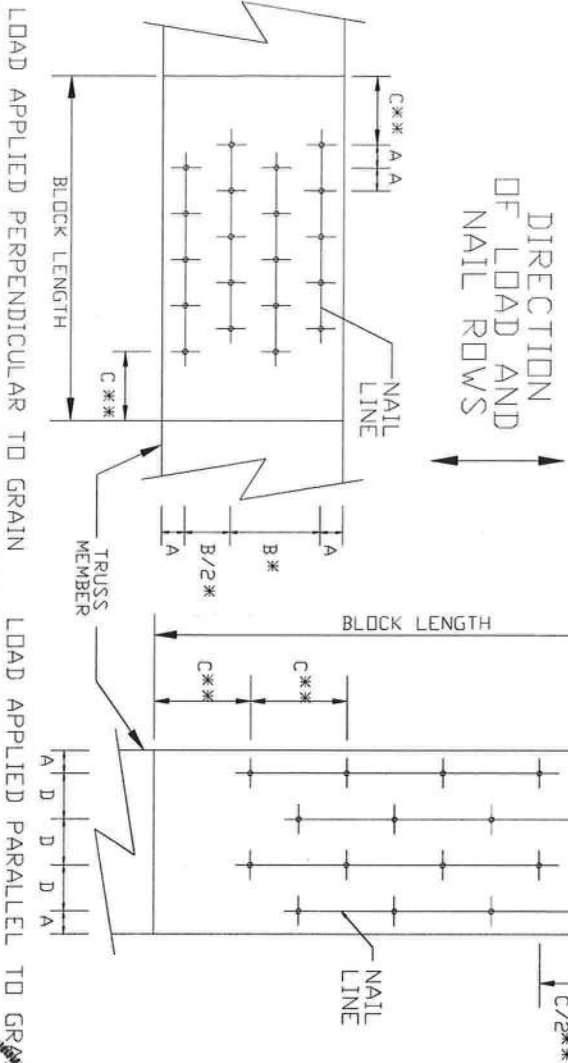
A - EDGE DISTANCE (6 NAIL DIAMETERS)

C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)  
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (27 1/2 NAIL DIAMETERS)

D - SPACING BETWEEN SLABBERED ROWS 0.1

IF NAIL HOLES ARE PREBORED, SOME SPACE MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:

\* SPACING MAY BE REDUCED BY 50%  
\*\* SPACING MAY BE REDUCED BY 33%.



NAIL TYPE	DISTANCES			
	A	B*	C**	D
8d BDX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BDX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BDX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BDX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BDX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"

### MINIMUM NAIL SPACING DISTANCES

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



AN ITW COMPANY

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Trusses require varying care in fabrication and installation. WORKMANSHIP INVOLVED IN THE INSTALLATION TO FOLLOW THE LATEST EDITION OF ECSS Building Component Society Information, by ID and S&B, for more details. The following are some of the items that should be noted:

- Practices prior to performing these functions. Installers shall provide temporary bracing per ECSS Building Component Society Information, by ID and S&B, for more details.
- All trusses shall have a properly attached end chime.
- Trusses shall be braced in accordance with the following:
- Trusses shall have bracing installed per ECSS sections B3, B7 or B10, as applicable. Apply plates to each end of the bracing.
- Trusses shall be braced in accordance with the following:
- Trusses shall be braced in accordance with the following:
- Trusses shall be braced in accordance with the following:

Refer to drawings and specifications shown above and on the Job for details, unless noted otherwise.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from drawing, any failure to build the truss in accordance with ANSI/TPI-1 or for handling, shipping, or installation.

A seal on the drawing or cover page, listing the drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the building designer per AS171 and 11 Sect2.

For more information see this job's general notes page and these web sites:  
 ALPINE: [www.alpineonline.com](http://www.alpineonline.com) IP2: [www.ip2.com](http://www.ip2.com) SCSA: [www.scsa.com.au](http://www.scsa.com.au) IDC: [www.idc.com.au](http://www.idc.com.au)

For more information see this job's general notes page and these web sites:  
ALPINE: [www.alpinetk.com](http://www.alpinetk.com), TPI: [www.tpinstr.org](http://www.tpinstr.org), SBGA: [www.sbga-industry.org](http://www.sbga-industry.org), ICC: [www.iccsafe.org](http://www.iccsafe.org)

A circular professional seal for William H. Kruck, a Professional Engineer in the State of Florida. The seal features the text "WILLIAM H. KRUCK" at the top, "PROFESSIONAL ENGINEER" at the bottom, and "STATE OF FLORIDA" on the left. The license number "No. 70861" is in the center, with a star above it. The seal is stamped over the bottom portion of the document.

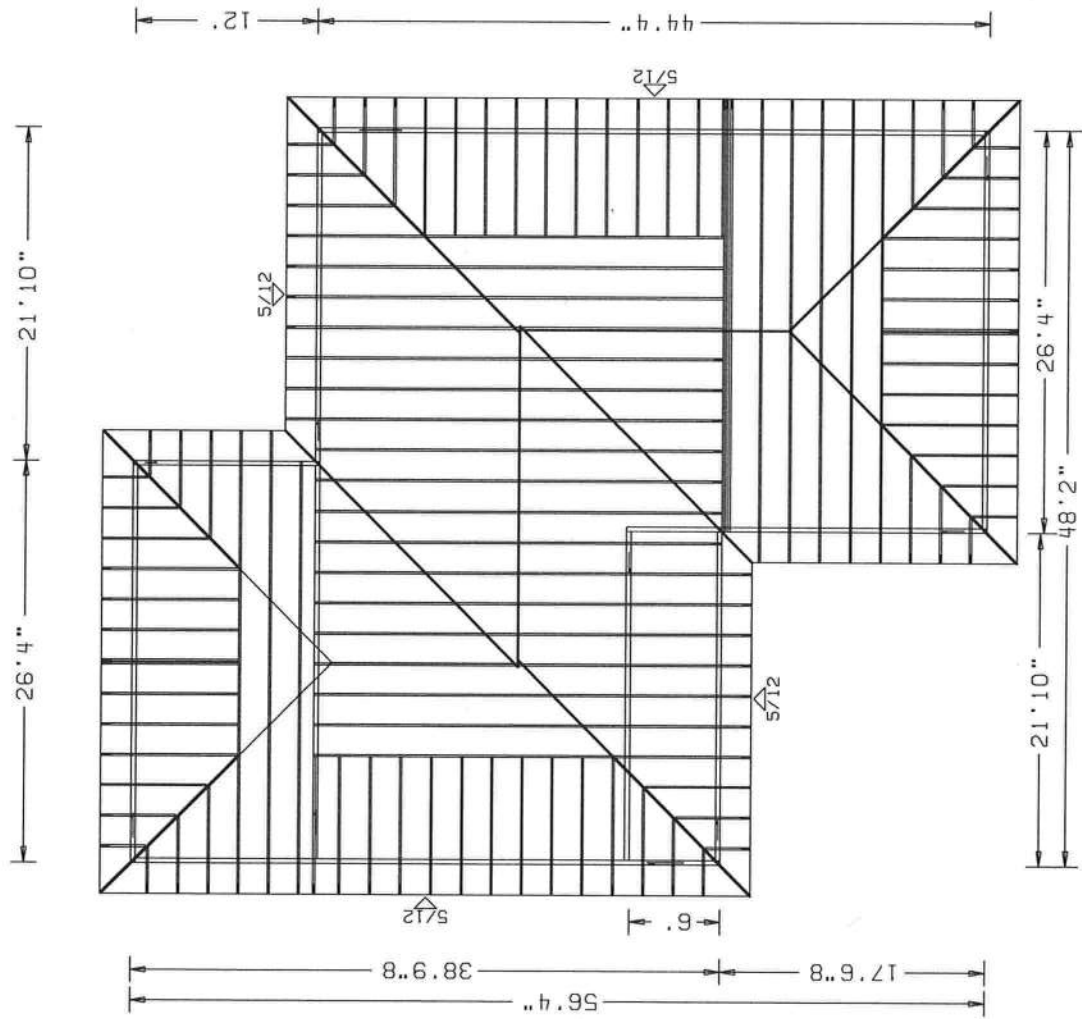
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DATE 10/01/14

DRWG CNNAILSP1014

# Dion Taylor

Total Truss Quantity = 109.



Roof Plane Sheathing Area = 2711 sq. ft

Total Plan Area with OHs = 2502 sq.ft

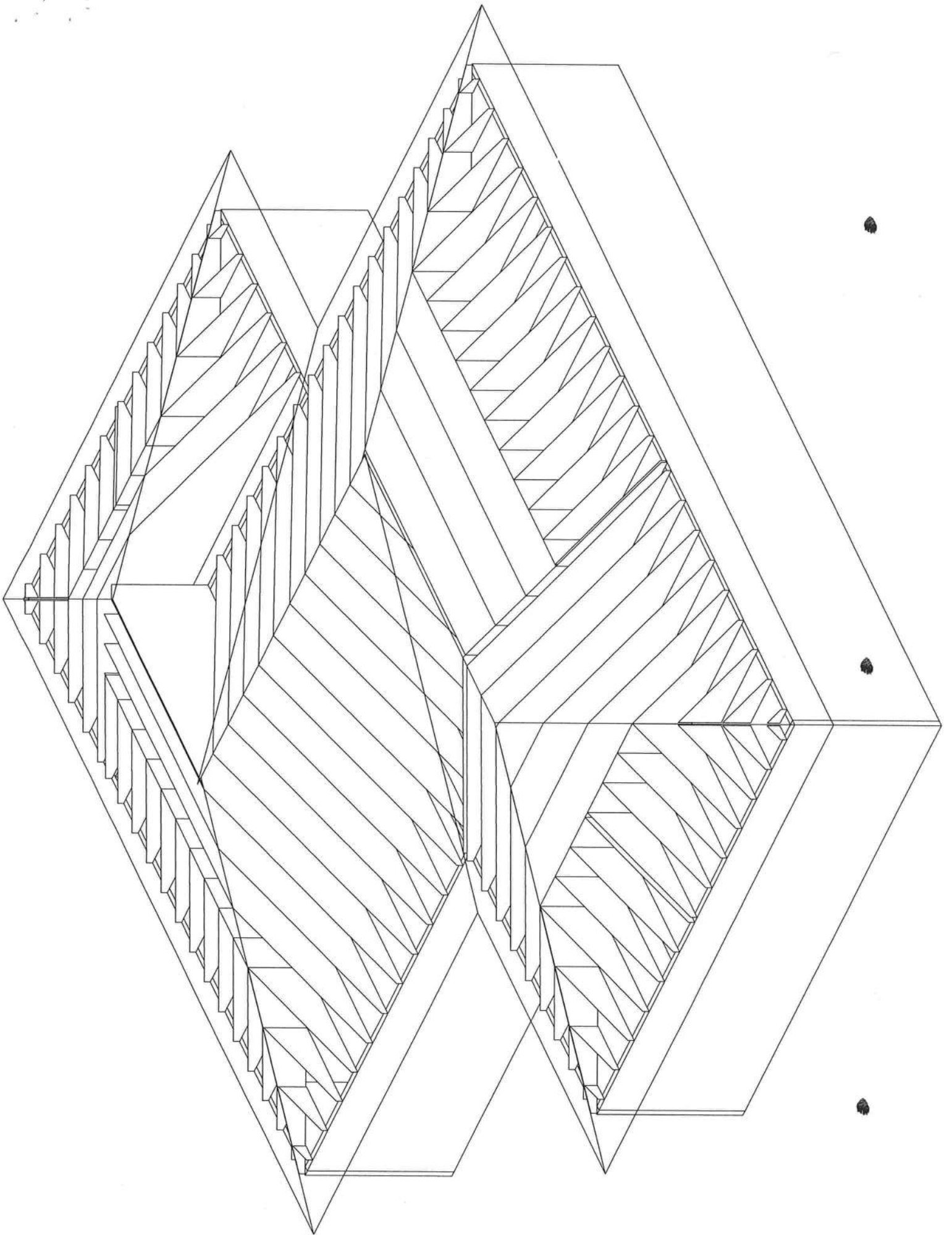
Created : 05-02-2016  
: <Not Found>

Customer: Dion Taylor  
Job Name: Dion Hip Set  
Job Num: 16-040  
Designer: Marie Guyon  
Salesman: CVB

JOB NO:  
16-040

PAGE NO:  
1 OF 1





Next Page

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. Statewide approved products are listed online @ [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>1. EXTERIOR DOORS</b>			
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
<b>2. WINDOWS</b>			
A. SINGLE/DOUBLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
<b>3. PANEL WALL</b>			
A. SIDING			
B. SOFFITS			
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
<b>4. ROOFING PRODUCTS</b>			
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
<b>5. STRUCT COMPONENTS</b>			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES			
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
<b>6. NEW EXTERIOR ENVELOPE PRODUCTS</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) 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.

 3-26-16  
Contractor OR Agent Signature Date

NOTES: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Exterior Doors	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	


### Search Results - Applications

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FL#	Type	Manufacturer	Validated By
<a href="#">FL161-R5</a> <a href="#">History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Steven M. Urich, PE (717) 932-8500
<a href="#">FL229-R11</a> <a href="#">History</a>	Affirmation	Simonton Windows <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	American Architectural Manufacturers Association (214) 878-1642
<a href="#">FL251-R27</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL253-R15</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL331-R11</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Steven M. Urich, PE (717) 932-8500
<a href="#">FL697-R5</a> <a href="#">History</a>	Revision	Amarr Garage Doors/Entrematic <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sectional Exterior Door Assemblies	Steven M. Urich, PE (717) 932-8500
<a href="#">FL742-R7</a> <a href="#">History</a>	Affirmation	Overhead Door Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL1095-R12</a> <a href="#">History</a>	Editorial Change	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828
<a href="#">FL1095-R13</a>	Revision	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828
<a href="#">FL1097-R13</a> <a href="#">History</a>	Affirmation	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828

<a href="#">FL1421-R4 History</a>	Affirmation	Wayne-Dalton, a division of Overhead Door Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL1591-R5 History</a>	Revision	Schlage Lock Company, LLC <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL1592-R5 History</a>	Revision	Schlage Lock Company, LLC <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL1822-R5 History</a>	Affirmation	Amarr Garage Doors/Entrematic <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sectional Exterior Door Assemblies	Steven M. Urlich, PE (717) 932-8500
<a href="#">FL1824-R8 History</a>	Revision	Pella Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927
<a href="#">FL2211-R4 History</a>	Affirmation	Cookson Company, The <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Roofing	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	


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FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL298-R4</a> <a href="#">History</a>	Revision	W.R. Grace <b>Category:</b> Roofing <b>Subcategory:</b> Underlayments	Locke Bowden (334) 300-1800	Approved
<a href="#">FL477-R7</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL490-R7</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL491-R5</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Insulation	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL601-R11</a> <a href="#">History</a>	Revision	Boral Roofing / MonierLifetile <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Tiles	Miami-Dade BCCO - VAL (786) 315-2590	Approved
<a href="#">FL620-R11</a> <a href="#">History</a>	Revision	GAF <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL620-R12</a>	Revision	GAF <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	John W. Knezevich, PE (954) 772-6224	Pending Approval
<a href="#">FL699-R7</a> <a href="#">History</a>	Affirmation	OMG, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Fasteners	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL717-R5</a> <a href="#">History</a>	Revision	Dow Chemical <b>Category:</b> Roofing <b>Subcategory:</b> Roof Tile Adhesives	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927	Approved
<a href="#">FL720-R4</a> <a href="#">History</a>	Affirmation	Dow Chemical <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927	Approved
<a href="#">FL735-R9</a> <a href="#">History</a>	Affirmation	TAMKO Building Products, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL741-R7</a>	Affirmation			Approved

<a href="#">History</a>		TAMKO Building Products, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	Robert J. M. Nieminen, PE (203) 262-9245	
<a href="#">FL984-R11</a> <a href="#">History</a>	Revision	Firestone Building Products Company, LLC. <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	John W. Knezevich, PE (954) 772-6224	Approv
<a href="#">FL1037-R6</a> <a href="#">History</a>	Revision	Johns Manville <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	John W. Knezevich, PE (954) 772-6224	Approv
<a href="#">FL1046-R7</a> <a href="#">History</a>	Revision	Johns Manville <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	John W. Knezevich, PE (954) 772-6224	Approv
<a href="#">FL1064-R8</a> <a href="#">History</a>	Revision	GenFlex Roofing Systems, LLC <b>Category:</b> Roofing <b>Subcategory:</b> Single Ply Roof Systems	John W. Knezevich, PE (954) 772-6224	Approv
<a href="#">FL1250-R7</a> <a href="#">History</a>	Revision	Georgia Pacific-Gypsum <b>Category:</b> Roofing <b>Subcategory:</b> Underlayments	FM Approvals LLC (781) 255-4783	Approv

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### Search Criteria

[Refine Search](#)

Code Version	2014	FL#	ALL
Application Type	ALL	Product Manufacturer	ALL
Category	Windows	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

### Search Results - Applications

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FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL57-R9 History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Awning	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL107-R14 History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL153-R5 History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Windows <b>Subcategory:</b> Horizontal Slider	Steven M. Urch, PE (717) 932-8500	Approved
<a href="#">FL163-R6 History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Windows <b>Subcategory:</b> Single Hung	Steven M. Urch, PE (717) 932-8500	Approved
<a href="#">FL185-R9 History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Fixed	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL188-R3 History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Awning	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL189-R3 History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL224-R11 History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL228-R15 History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Fixed	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL239-R22 History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Single Hung	Miami-Dade BCCO - VAL (786) 315-2590	Approved *
<a href="#">FL242-R20 History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Horizontal Slider	Miami-Dade BCCO - VAL (786) 315-2590	Approved *
<a href="#">FL243-R17 History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Fixed	Miami-Dade BCCO - VAL (786) 315-2590	Approved *

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Structural Components	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	



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FL#	Type	Manufacturer	Validated By
<a href="#">FL158-R7</a> <a href="#">History</a>	Revision	CAST-CRETE USA, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Products Introduced as a Result of New Technology	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL578-R4</a> <a href="#">History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Locke Bowden (334) 300-1800
<a href="#">FL704-R5</a> <a href="#">History</a>	Revision	American Buildings Company <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	John Southard, P.E. (386) 462-9074
<a href="#">FL814-R4</a>	Revision	Amvic Building System <b>Category:</b> Structural Components <b>Subcategory:</b> Insulation Form Systems	Quality Auditing Institute Ltd. (604) 527-8378
<a href="#">FL1247-R3</a> <a href="#">History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Terrence E. Wolfe P.E. (281) 540-6603
<a href="#">FL1392-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1630-R8</a> <a href="#">History</a>	Revision	Weyerhaeuser <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	James A. Rothman, P.E. (608) 224-5513
<a href="#">FL1644-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1645-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1747-R9</a> <a href="#">History</a>	Editorial Change	McElroy Metal, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927
<a href="#">FL1754-R5</a> <a href="#">History</a>	Revision	CENTRIA <b>Category:</b> Structural Components <b>Subcategory:</b> Structural Wall	Steven M. Urich, PE (717) 932-8500
<a href="#">FL1774-R4</a> <a href="#">History</a>	Revision	Commercial Concrete Products, Inc. <b>Category:</b> Structural Components	John Hoy, P.E. (352) 588-5311

		<b>Subcategory:</b> Products Introduced as a Result of New Technology	
<a href="#">FL1999-R5 History</a>	Revision	ITW Building Components Group Inc. / Paslode <b>Category:</b> Structural Components <b>Subcategory:</b> Truss Plates	William M. Ranieri, PE (407) 681-1917
<a href="#">FL2023-R5 History</a>	Revision	Boise Engineered Wood Products (by assignment from Georgia-Pacific Wood Products LLC) <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	David Hustad, P.E. (561) 798-7750
<a href="#">FL2033-R4 History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Terrence E. Wolfe P.E (281) 540-6603
<a href="#">FL2197-R5 History</a>	Revision	MiTek Industries, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Truss Plates	ICC Evaluation Service, LLC. (205) 599-9800
<a href="#">FL2355-R5 History</a>	Revision	Simpson Strong-Tie Co. <b>Category:</b> Structural Components <b>Subcategory:</b> Anchors	Ted Berman, PE (305) 868-4707
<a href="#">FL2440-R5 History</a>	Revision	Roseburg Forest Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	Frank L. Bennardo, P.E. (954) 354-0660
<a href="#">FL2807-R3 History</a>	Revision	Ruffin Building Systems <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	Locke Bowden (334) 300-1800

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Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Panel Walls	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	




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FL#	Type	Manufacturer	Validated By
<a href="#">FL705-R5</a> <a href="#">History</a>	Revision	American Buildings Company <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	John Southard, P.E. (386) 462-9074
<a href="#">FL1573-R4</a> <a href="#">History</a>	Revision	CertainTeed Corporation Siding Products <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Robert J. M. Nieminen, PE (203) 262-9245
<a href="#">FL2030-R7</a>	Affirmation	Dryvit Systems, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL2524-R6</a>	Revision	Georgia Pacific-Gypsum <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	Zachary R. Priest, P.E. (813) 480-3421
<a href="#">FL2686-R4</a> <a href="#">History</a>	Revision	Nucor Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Yoosef Lavi, P.E. (214) 340-0049
<a href="#">FL3075-R4</a> <a href="#">History</a>	Affirmation	Arrow United Industries <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL3281-R4</a> <a href="#">History</a>	Revision	United Enertech <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3284-R4</a> <a href="#">History</a>	Revision	United Enertech <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3286-R4</a>	Affirmation	Ruskin Company <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3423-R5</a> <a href="#">History</a>	Revision	Dryvit Systems, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	William Farish (714) 845-6207
<a href="#">FL3775-R5</a> <a href="#">History</a>	Revision	Dean Steel Buildings, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	UL LLC (847) 664-3281
<a href="#">FL3985-R6</a> <a href="#">History</a>	Revision	SBC Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Yoosef Lavi, P.E. (214) 340-0049
<a href="#">FL4055-R4</a> <a href="#">History</a>	Revision		John Southard, P.E. (386) 462-9074

		Gulf States Manufacturers <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	
<a href="#">FL4230-R5 History</a>	Revision	Kalwall Corp. <b>Category:</b> Panel Walls <b>Subcategory:</b> Products Introduced as a Result of New Technology	Michael Biller (813) 908-7203
<a href="#">FL4483-R7 History</a>	Revision	Petersen Aluminum Corporation <b>Category:</b> Panel Walls <b>Subcategory:</b> Soffits	Locke Bowden (334) 300-1800
<a href="#">FL4622-R6 History</a>	Affirmation	Schlage Lock Company, LLC <b>Category:</b> Panel Walls <b>Subcategory:</b> Storefronts	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL4666-R3 History</a>	Revision	YKK AP America <b>Category:</b> Panel Walls <b>Subcategory:</b> Storefronts	Locke Bowden (334) 300-1800
<a href="#">FL4837-R3 History</a>	Revision	Kirby Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	John Southard, P.E. (386) 462-9074
<a href="#">FL5113-R4 History</a>	Revision	Simpson Strong-Tie Co. <b>Category:</b> Panel Walls <b>Subcategory:</b> Products Introduced as a Result of New Technology	Jeffrey P. Arneson, P.E. (904) 223-4899
<a href="#">FL5122-R5 History</a>	Affirmation	Air Balance Incorporated <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Gordon Thomas, P.E. (513) 314-3653

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Exterior Doors	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	

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FL#	Type	Manufacturer	Validated By
<a href="#">FL161-R5</a> <a href="#">History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Steven M. Urlich, PE (717) 932-8500
<a href="#">FL229-R11</a> <a href="#">History</a>	Affirmation	Simonton Windows <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	American Architectural Manufacturers Association (214) 878-1642
<a href="#">FL251-R27</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL253-R15</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL331-R11</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Steven M. Urlich, PE (717) 932-8500
<a href="#">FL697-R5</a> <a href="#">History</a>	Revision	Amarr Garage Doors/Entrematic <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sectional Exterior Door Assemblies	Steven M. Urlich, PE (717) 932-8500
<a href="#">FL742-R7</a> <a href="#">History</a>	Affirmation	Overhead Door Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL1095-R12</a> <a href="#">History</a>	Editorial Change	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828
<a href="#">FL1095-R13</a>	Revision	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828
<a href="#">FL1097-R13</a> <a href="#">History</a>	Affirmation	Andersen Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Window and Door Manufacturers Association (312) 673-4828

<a href="#">FL1421-R4 History</a>	Affirmation	Wayne-Dalton, a division of Overhead Door Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL1591-R5 History</a>	Revision	Schlage Lock Company, LLC <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL1592-R5 History</a>	Revision	Schlage Lock Company, LLC <b>Category:</b> Exterior Doors <b>Subcategory:</b> Swinging Exterior Door Assemblies	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL1822-R5 History</a>	Affirmation	Amarr Garage Doors/Entrematic <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sectional Exterior Door Assemblies	Steven M. Urich, PE (717) 932-8500
<a href="#">FL1824-R8 History</a>	Revision	Pella Corporation <b>Category:</b> Exterior Doors <b>Subcategory:</b> Sliding Exterior Door Assemblies	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927
<a href="#">FL2211-R4 History</a>	Affirmation	Cookson Company, The <b>Category:</b> Exterior Doors <b>Subcategory:</b> Roll-Up Exterior Door Assemblies	Gordon Thomas, P.E. (513) 314-3653

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Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Roofing	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	




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FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL298-R4</a> <a href="#">History</a>	Revision	W.R. Grace <b>Category:</b> Roofing <b>Subcategory:</b> Underlayments	Locke Bowden (334) 300-1800	Approved
<a href="#">FL477-R7</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL490-R7</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL491-R5</a> <a href="#">History</a>	Revision	CertainTeed Corporation-Roofing <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Insulation	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL601-R11</a> <a href="#">History</a>	Revision	Boral Roofing / MonierLifetile <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Tiles	Miami-Dade BCCO - VAL (786) 315-2590	Approved
<a href="#">FL620-R11</a> <a href="#">History</a>	Revision	GAF <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL620-R12</a>	Revision	GAF <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	John W. Knezevich, PE (954) 772-6224	Pending Approval
<a href="#">FL699-R7</a> <a href="#">History</a>	Affirmation	OMG, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Roofing Fasteners	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL717-R5</a> <a href="#">History</a>	Revision	Dow Chemical <b>Category:</b> Roofing <b>Subcategory:</b> Roof Tile Adhesives	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927	Approved
<a href="#">FL720-R4</a> <a href="#">History</a>	Affirmation	Dow Chemical <b>Category:</b> Roofing <b>Subcategory:</b> Cements-Adhesives-Coatings	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927	Approved
<a href="#">FL735-R9</a> <a href="#">History</a>	Affirmation	TAMKO Building Products, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	Robert J. M. Nieminen, PE (203) 262-9245	Approved
<a href="#">FL741-R7</a>	Affirmation			Approved

<a href="#">History</a>		TAMKO Building Products, Inc. <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	Robert J. M. Nieminen, PE (203) 262-9245	
<a href="#">FL984-R11</a> <a href="#">History</a>	Revision	Firestone Building Products Company, LLC. <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL1037-R6</a> <a href="#">History</a>	Revision	Johns Manville <b>Category:</b> Roofing <b>Subcategory:</b> Built up Roofing	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL1046-R7</a> <a href="#">History</a>	Revision	Johns Manville <b>Category:</b> Roofing <b>Subcategory:</b> Modified Bitumen Roof System	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL1064-R8</a> <a href="#">History</a>	Revision	GenFlex Roofing Systems, LLC <b>Category:</b> Roofing <b>Subcategory:</b> Single Ply Roof Systems	John W. Knezevich, PE (954) 772-6224	Approved
<a href="#">FL1250-R7</a> <a href="#">History</a>	Revision	Georgia Pacific-Gypsum <b>Category:</b> Roofing <b>Subcategory:</b> Underlayments	FM Approvals LLC (781) 255-4783	Approved

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### Search Criteria

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Code Version	2014	FL#	ALL
Application Type	ALL	Product Manufacturer	ALL
Category	Windows	Subcategory	ALL
Application Status	ALL	Compliance Method	ALL
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired	ALL
Product Model, Number or Name	ALL	Product Description	ALL
Approved for use in HVHZ	ALL	Approved for use outside HVHZ	ALL
Impact Resistant	ALL	Design Pressure	ALL
Other	ALL		

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FL#	Type	Manufacturer	Validated By	Status
<a href="#">FL57-R9</a> <a href="#">History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Awning	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL107-R14</a> <a href="#">History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL153-R5</a> <a href="#">History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Windows <b>Subcategory:</b> Horizontal Slider	Steven M. Urlich, PE (717) 932-8500	Approved
<a href="#">FL163-R6</a> <a href="#">History</a>	Revision	Custom Window Systems Inc. <b>Category:</b> Windows <b>Subcategory:</b> Single Hung	Steven M. Urlich, PE (717) 932-8500	Approved
<a href="#">FL185-R9</a> <a href="#">History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Fixed	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL188-R3</a> <a href="#">History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Awning	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL189-R3</a> <a href="#">History</a>	Revision	U S Block Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL224-R11</a> <a href="#">History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Casement	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL228-R15</a> <a href="#">History</a>	Revision	Simonton Windows <b>Category:</b> Windows <b>Subcategory:</b> Fixed	American Architectural Manufacturers Association (214) 878-1642	Approved *
<a href="#">FL239-R22</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Single Hung	Miami-Dade BCCO - VAL (786) 315-2590	Approved *
<a href="#">FL242-R20</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Horizontal Slider	Miami-Dade BCCO - VAL (786) 315-2590	Approved *
<a href="#">FL243-R17</a> <a href="#">History</a>	Revision	PGT Industries <b>Category:</b> Windows <b>Subcategory:</b> Fixed	Miami-Dade BCCO - VAL (786) 315-2590	Approved *

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Structural Components	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	




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FL#	Type	Manufacturer	Validated By
<a href="#">FL158-R7</a> <a href="#">History</a>	Revision	CAST-CRETE USA, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Products Introduced as a Result of New Technology	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL578-R4</a> <a href="#">History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Locke Bowden (334) 300-1800
<a href="#">FL704-R5</a> <a href="#">History</a>	Revision	American Buildings Company <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	John Southard, P.E. (386) 462-9074
<a href="#">FL814-R4</a>	Revision	Amvic Building System <b>Category:</b> Structural Components <b>Subcategory:</b> Insulation Form Systems	Quality Auditing Institute Ltd. (604) 527-8378
<a href="#">FL1247-R3</a> <a href="#">History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Terrence E. Wolfe P.E (281) 540-6603
<a href="#">FL1392-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1630-R8</a> <a href="#">History</a>	Revision	Weyerhaeuser <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	James A. Rothman, P.E. (608) 224-5513
<a href="#">FL1644-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1645-R4</a> <a href="#">History</a>	Revision	Boise Engineered Wood Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	APA - The Engineered Wood Association (253) 620-7467
<a href="#">FL1747-R9</a> <a href="#">History</a>	Editorial Change	McElroy Metal, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	James L. Buckner, P.E. at CBUCK Engineering (561) 491-9927
<a href="#">FL1754-R5</a> <a href="#">History</a>	Revision	CENTRIA <b>Category:</b> Structural Components <b>Subcategory:</b> Structural Wall	Steven M. Ulrich, PE (717) 932-8500
<a href="#">FL1774-R4</a> <a href="#">History</a>	Revision	Commercial Concrete Products, Inc. <b>Category:</b> Structural Components	John Hoy, P.E. (352) 588-5311

		<b>Subcategory:</b> Products Introduced as a Result of New Technology	
<a href="#">FL1999-R5 History</a>	Revision	ITW Building Components Group Inc. / Paslode <b>Category:</b> Structural Components <b>Subcategory:</b> Truss Plates	William M. Ranieri, PE (407) 681-1917
<a href="#">FL2023-R5 History</a>	Revision	Boise Engineered Wood Products (by assignment from Georgia-Pacific Wood Products LLC) <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	David Hustad, P.E. (561) 798-7750
<a href="#">FL2033-R4 History</a>	Revision	USP Structural Connectors, a MiTek Company <b>Category:</b> Structural Components <b>Subcategory:</b> Wood Connectors	Terrence E. Wolfe P.E. (281) 540-6603
<a href="#">FL2197-R5 History</a>	Revision	MiTek Industries, Inc. <b>Category:</b> Structural Components <b>Subcategory:</b> Truss Plates	ICC Evaluation Service, LLC. (205) 599-9800
<a href="#">FL2355-R5 History</a>	Revision	Simpson Strong-Tie Co. <b>Category:</b> Structural Components <b>Subcategory:</b> Anchors	Ted Berman, PE (305) 868-4707
<a href="#">FL2440-R5 History</a>	Revision	Roseburg Forest Products <b>Category:</b> Structural Components <b>Subcategory:</b> Engineered Lumber	Frank L. Bennardo, P.E. (954) 354-0660
<a href="#">FL2807-R3 History</a>	Revision	Ruffin Building Systems <b>Category:</b> Structural Components <b>Subcategory:</b> Roof Deck	Locke Bowden (334) 300-1800

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### Search Criteria

Code Version	2014	FL#
Application Type	ALL	Product Manufacturer
Category	Panel Walls	Subcategory
Application Status	ALL	Compliance Method
Quality Assurance Entity	ALL	Quality Assurance Entity Contract Expired
Product Model, Number or Name	ALL	Product Description
Approved for use in HVHZ	ALL	Approved for use outside HVHZ
Impact Resistant	ALL	Design Pressure
Other	ALL	

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FL#	Type	Manufacturer	Validated By
<a href="#">FL705-R5</a> <a href="#">History</a>	Revision	American Buildings Company <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	John Southard, P.E. (386) 462-9074
<a href="#">FL1573-R4</a> <a href="#">History</a>	Revision	CertainTeed Corporation Siding Products <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Robert J. M. Nieminen, PE (203) 262-9245
<a href="#">FL2030-R7</a>	Affirmation	Dryvit Systems, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL2524-R6</a>	Revision	Georgia Pacific-Gypsum <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	Zachary R. Priest, P.E. (813) 480-3421
<a href="#">FL2686-R4</a> <a href="#">History</a>	Revision	Nucor Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Yoosef Lavi, P.E. (214) 340-0049
<a href="#">FL3075-R4</a> <a href="#">History</a>	Affirmation	Arrow United Industries <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Gordon Thomas, P.E. (513) 314-3653
<a href="#">FL3281-R4</a> <a href="#">History</a>	Revision	United Enertech <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3284-R4</a> <a href="#">History</a>	Revision	United Enertech <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3286-R4</a>	Affirmation	Ruskin Company <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Miami-Dade BCCO - VAL (786) 315-2590
<a href="#">FL3423-R5</a> <a href="#">History</a>	Revision	Dryvit Systems, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Exterior Insulation Finish System	William Farish (714) 845-6207
<a href="#">FL3775-R5</a> <a href="#">History</a>	Revision	Dean Steel Buildings, Inc <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	UL LLC (847) 664-3281
<a href="#">FL3985-R6</a> <a href="#">History</a>	Revision	SBC Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	Yoosef Lavi, P.E. (214) 340-0049
<a href="#">FL4055-R4</a> <a href="#">History</a>	Revision		John Southard, P.E. (386) 462-9074

		Gulf States Manufacturers <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	
<a href="#">FL4230-R5 History</a>	Revision	Kalwall Corp. <b>Category:</b> Panel Walls <b>Subcategory:</b> Products Introduced as a Result of New Technology	Michael Biller (813) 908-7203
<a href="#">FL4483-R7 History</a>	Revision	Petersen Aluminum Corporation <b>Category:</b> Panel Walls <b>Subcategory:</b> Soffits	Locke Bowden (334) 300-1800
<a href="#">FL4622-R6 History</a>	Affirmation	Schlage Lock Company, LLC <b>Category:</b> Panel Walls <b>Subcategory:</b> Storefronts	Eric C. VanHorn, P.E. (813) 391-2649
<a href="#">FL4666-R3 History</a>	Revision	YKK AP America <b>Category:</b> Panel Walls <b>Subcategory:</b> Storefronts	Locke Bowden (334) 300-1800
<a href="#">FL4837-R3 History</a>	Revision	Kirby Building Systems <b>Category:</b> Panel Walls <b>Subcategory:</b> Siding	John Southard, P.E. (386) 462-9074
<a href="#">FL5113-R4 History</a>	Revision	Simpson Strong-Tie Co. <b>Category:</b> Panel Walls <b>Subcategory:</b> Products Introduced as a Result of New Technology	Jeffrey P. Arneson, P.E. (904) 223-4899
<a href="#">FL5122-R5 History</a>	Affirmation	Air Balance Incorporated <b>Category:</b> Panel Walls <b>Subcategory:</b> Wall Louver	Gordon Thomas, P.E. (513) 314-3653

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## COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2014 EFFECTIVE 1 JULY 2015  
AND THE NATIONAL ELECTRICAL 2011 EFFECTIVE 1 JULY 2015

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2014 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 1 JULY 2015. NATIONAL ELECTRICAL CODE 2011 EFFECTIVE 1 JULY 2015. 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**

Revised 7/1/15

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL				Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:					
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void					
3	Condition space (Sq. Ft.)	1584	Total (Sq. Ft.) under roof	2028		

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		
				YES	NO	N/A
8	Plans or specifications must show compliance with FBCR Chapter 3					
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 <sup>2</sup> ), to be used for the design of exterior component, cladding materials not specifically 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)**

<b>GENERAL REQUIREMENTS:</b> <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>		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                      Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3			

**FBCR 506: CONCRETE SLAB ON GRADE**

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

**FBCR 318: PROTECTION AGAINST TERMITES**

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Submit other approved termite protection methods. Protection shall be provided by registered termiticides			
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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 & intermediate of the areas structural panel sheathing			
49	Show Draftstopping, Fire caulking and Fire blocking			
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 302.6			
51	Provide live and dead load rating of floor framing systems (psf).			

**FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls			
53	Fastener schedule for structural members per table IRC 602.3 are to be shown			
54	Show wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing			
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems			
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCB 2308.9.5			
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 802.1.7.1 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 assemblies covering			
72	Submit Florida Product Approval numbers for each component of the roof assemblies covering			

## FBCR Energy Conservation R.401

Residential construction shall comply with this code by using the following compliance methods in the Residential buildings compliance methods. **Two of the required forms are to be submitted, R 402-2014 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form R 402-2014, 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 <b>Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required</b>			
79	Show clothes dryer route and total run of exhaust duct			

## Plumbing Fixture layout shown

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

## Private Potable Water

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

## Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans			
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by <b>Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A</b>			
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.  <b>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</b>			
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 <b>Combination arc-fault circuit interrupter, Protection device. NEC 210.12A</b>			

<p style="text-align: center;"><b>GENERAL REQUIREMENTS:</b>  <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b></p>	<p style="text-align: center;">Items to Include-  Each Box shall be  Circled as  Applicable</p>
--	---

**THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

	YES	NO	N/A
<b>92 Building Permit Application</b> A current Building Permit Application is to be completed, by following the Checklist all supporting documents must be submitted. There is a <b>\$15.00</b> application fee. The completed application with attached documents and application fee can be mailed.			
<b>93 Parcel Number</b> The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also required. <a href="http://www.columbiacountyfla.com">www.columbiacountyfla.com</a>			
<b>94 Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058			
<b>95 City of Lake City</b> A City Water and/or Sewer letter. Call 386-752-2031			
<b>96 Toilet facilities shall be provided for all construction sites</b>			
<b>97 Town of Fort White</b> (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.			
<b>98 Flood Information:</b> 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			
<b>99 CERTIFIED FINISHED FLOOR ELEVATIONS</b> 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.			
<b>100</b> A Flood development permit is also required for AE, Floodway & AH. Development permit cost is <b>\$50.00</b>			
<b>101 Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) 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 ( <b>\$50.00</b> ) 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.			
<b>102 911 Address:</b> 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.			

**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.

**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.**



Design Indoor Cooling Temp.: 75 °F

Design Outdoor Cooling Temp.: 92 °F

Temp. Difference Cooling : 17°F

Indoor Humidity: 50 % Grains difference: 54

NICKLON FIELDS

LAKE CITY

Area: Gainesville Airport, FL

Front Door Orientation South

Design Indoor Heating Temp.: 70 °F

Design Outdoor Heating Temp.: 33 °F

Temp. Difference Heating : 37° F

## Whole House Load Calculator

TD Cool: 17°F Heat: 37°F	Sq. ft. - types 1 and 2	shading	Sq. ft. - types 1 and 2	shading	Sq. ft. - types 1 and 2	Sq. ft.
Outside Wall: North	1: 48 2:	Windows x	1: 99 2:	Glass Doors x	1: 2: Doors	70.4
Outside Wall: South	1: 22 2:	Windows L	1: 2: L	Glass Doors L	1: 2: Doors	
Outside Wall: E & W	1: 35 2:	Windows L	1: 2: L	Glass Doors L	1: 2: Doors	
Outside Wall: NE& NW	1: 2: 2:	Windows x	1: 2: x	Glass Doors x	1: 2: Doors	
Outside Wall: SE& SW	1: 2: 2:	Windows L	1: 2: L	Glass Doors L	1: 2: Doors	
Sky Lights N: S:	E-W: NE-NW: SE-SW:					
Floor - (linear ft. if slab)	1: 194 2:	Basement Walls-above grade	below grade	sq. ft.		
Ceiling	1: 1584 2:	Basement Floor -	width 23ft. or	feet below grade:	2 ft.	
Number of: Appliances	4 Fireplaces 0					
Number of People	4	Fresh air recommended: 78cfm →	.6	CFM		
Conditioned - Sq. ft.:	1584	Cubic Ft.:	1584	Construction:	very tight	Duct system: attic free R-6 very tight
Calculate Load	Total Btu's Cooling	Sensible Load	Latent Load	Total Btu's Heating		
	13045	12155	890	17289		

## Btu breakdown

	Sensible	Latent	Heating
walls	-155		-217
windows	1584		3187
ceilings	2788		1875
doors	1309		1563
floors	0		9748
appliances	4800		
people	920	800	
glass doors	0		0
skylights	0		0
basement walls	0		0
basement floor	0		0
infiltration	35	68	150
fresh air	11	22	24
duct load	863	0	959
Totals	12155	890	17289

## Structure types

Outside Walls 1: Siding or Stucco R13 insulation

Outside Walls 2:

Windows 1: double pane - blinds

Windows 2:

Glass Doors 1:

Glass Doors 2:

Floors 1: Concrete slab no edge insulation

Floor 2:

Ceiling 1: Ceiling under attic space R-30

Ceiling 2:

Doors: Metal

Skylights:

Basement Walls:

Basement Floor:

Win ht.: 5' 0" Overhang: 2' Top to overhang: 1'



# FLORIDA BUILDING CODE, ENERGY CONSERVATION

## Residential Building Thermal Envelope Approach

FORM R402-2014

Climate Zone ☐

**Scope:** Compliance with Section R402.1.1 of the *Florida Building Code, Energy Conservation*, shall be demonstrated by the use of Form R402 for single- and multiple-family residences of three stories or less in height, additions to existing residential buildings, alterations, renovations, and building systems in existing buildings, as applicable. To comply, a building must meet or exceed all of the energy efficiency requirements on Table R402A and all applicable mandatory requirements summarized in Table R402B of this form. If a building does not comply with this method, or by the UA Alternative method, it may still comply under Section R405 of the *Florida Building Code, Energy Conservation*.

PROJECT NAME:  
AND ADDRESS:

OWNER: Nicklon Fields

BUILDER:

PERMITTING OFFICE:

JURISDICTION NUMBER:

PERMIT NUMBER:

### General Instructions:

- Fill in all the applicable spaces of the "To Be Installed" column on Table R402A with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
- Complete page 1 based on the "To Be Installed" column information.
- Read the requirements of Table R402B and check each box to indicate your intent to comply with all applicable items.
- Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

- New construction, addition, or existing building
- Single-family detached or multiple-family attached
- If multiple-family, number of units covered by this submission
- Is this a worst case? (yes/no)
- Conditioned floor area (sq. ft.)
- Windows, type and area
  - U-factor:
  - Solar Heat Gain Coefficient (SHGC)
  - Area
- Skylights
  - U-factor:
  - Solar Heat Gain Coefficient (SHGC)
- Floor type, area or perimeter, and insulation:
  - Slab-on-grade (R-value)
  - Wood, raised (R-value)
  - Wood, common (R-value)
  - Concrete, raised (R-value)
  - Concrete, common (R-value)
- Wall type and insulation:
  - Exterior:
    - Wood frame (Insulation R-value)
    - Masonry (Insulation R-value)
  - Adjacent:
    - Wood frame (Insulation R-value)
    - Masonry (Insulation R-value)
- Ceiling type and insulation
  - Attic (Insulation R-value)
  - Single assembly (Insulation R-value)
- Air distribution system:
  - Duct location, insulation
  - AHU location
  - Total duct leakage. Test report attached.
- Cooling system:
  - type
  - efficiency
- Heating system:
  - type
  - efficiency:
- HVAC sizing calculation: attached
- Water heating system:
  - type
  - efficiency

- New construction DT
- 5 F DT
- NA DT
- NO DT
- 1584 DT
- A DT
- 129 DT
- NA DT
- NA DT
- A DT
- 8a. DT
- 8b. DT
- 8c. DT
- 8d. DT
- 8e. DT
- R-13 DT
- 9a2. DT
- 9b1. DT
- 9b2. DT
- R-30 38 DT
- 10b. DT
- 11a. DT
- 11b. DT
- 11c. DT
- 12a. DT
- 12b. DT
- 13a. DT
- 13b. DT
14. DT
- 15a. DT
- 15b. DT

I hereby certify that the plans and specifications covered by this form are in compliance with the *Florida Building Code, Energy Conservation*.

PREPARED BY: \_\_\_\_\_ Date: \_\_\_\_\_

I hereby certify that this building is in compliance with the *Florida Building Code, Energy Conservation*.

OWNER/AGENT: \_\_\_\_\_ Date: \_\_\_\_\_

Review of plans and specifications covered by this form indicate compliance with the *Florida Building Code, Energy Conservation*. Before construction is complete, this building will be inspected for compliance in accordance with Section 553.908, F.S.

CODE OFFICIAL: \_\_\_\_\_

Date: \_\_\_\_\_

TABLE R402A

BUILDING COMPONENT	PRESCRIPTIVE REQUIREMENTS <sup>1</sup>		INSTALLED VALUES
	Climate Zone 1	Climate Zone 2	
Windows:	$U$ -Factor = 0.65 <sup>2</sup>	$U$ -Factor = 0.40 <sup>2</sup>	$U$ -Factor =
Skylights	SHGC = 0.25 $U$ -factor = 0.75 SHGC = 0.30	SHGC = 0.25 $U$ -factor = 0.65 SHGC = 0.30	SHGC = $U$ -factor = SHGC =
Doors: Exterior door	$U$ -factor = 0.65 <sup>3</sup>	$U$ -factor = 0.40 <sup>3</sup>	$U$ -factor =
Floors: Slab-on-Grade Over unconditioned spaces <sup>4</sup>	NR R-13	NR R-13	R-Value =
Walls <sup>4</sup> : Ext. and Adj. Frame Mass	R-13	R-13	R-Value =
Insulation on wall interior:	R-4	R-6	R-Value =
Insulation on wall exterior	R-3	R-4	R-Value =
Ceilings <sup>5</sup> :	R=30	R=38	R-Value =
Air infiltration:	Blower door test is required on the building envelope to verify leakage $\leq 5$ ACH; test report provided to code official.		Total leakage = ACH Test report Attached? Yes <input type="checkbox"/> No <input type="checkbox"/>
Air distribution system <sup>6</sup> : Air handling unit Duct R-value	Not allowed in attic R-value $\geq R-8$ (supply in attics) or $\geq R-6$ (all other duct locations)-		Location: R-Value =
Air leakage <sup>6</sup> : Duct test	Postconstruction test: Total leakage $\leq 4$ cfm/100 s.f. Rough-in test: Total leakage $\leq 3$ cfm/100 s.f. Test not required if all ducts and AHU are in conditioned space		Total leakage = _____ cfm/100s.f. Test report Attached? Yes <input type="checkbox"/> No <input type="checkbox"/>
Ducts in conditioned space			Location:
Air conditioning system: Central system $\leq 65,000$ Btu/h Room unit or PTAC Other:	Minimum federal standard required by NAECA <sup>6</sup> . SEER 13.0 EER [from Table C403.2.3(3)] See Tables C403.2.3(1)-(11)		SEER= EER =
Heating system: Heat pump $\leq 65,000$ Btu/h Gas furnace, non-weatherized Oil furnace, non-weatherized Other:	Minimum federal standard required by NAECA <sup>6</sup> . HSPF 7.7 (before 1/1/15); HSPF 8.2 (as of 1/1/15) AFUE 80% AFUE 83%		HSPF = AFUE = AFUE =
Water heating system (storage type): Electric <sup>7</sup>	Minimum federal standard required by NAECA <sup>6</sup> 40 gal: EF = 0.92 50 gal: EF = 0.90		Gallons = EF =
Gas fired <sup>8</sup>	40 gal: EF = 0.59 50 gal: EF = 0.58		Gallons = EF =
Other (describe):			

NR = No requirement.

- (1) Each component present in the As Proposed home must meet or exceed each of the applicable performance criteria in order to comply with this code using this method.
- (2) For impact rated fenestration complying with Section R301.2.1.2 of the *Florida Building Code, Residential* or Section 1609.1.2 of the *Florida Building Code, Building* the maximum  $U$ -factor shall be 0.75 in Climate Zone 1 and 0.65 in Climate Zone 2. An area-weighted average of  $U$ -factor and SHGC shall be accepted to meet the requirements, or up to 15 square feet of glazed fenestration area are exempted from the  $U$ -factor and SHGC requirement based on Sections R402.3.1, R402.3.2 and R402.3.3.
- (3) One side-hinged opaque door assembly up to 24 square feet is exempted from this  $U$ -factor requirement.
- (4) R-values are for insulation material only as applied in accordance with manufacturers' installation instructions. For mass walls, the "interior of wall" requirement must be met except if at least 50 percent of the insulation required for the "exterior of wall" is installed exterior of, or integral to, the wall.
- (5) Ducts & AHU installed "substantially leak free" per Section R403.2.2. Test required by an energy rater certified in accordance with Section 553.99, *Florida Statutes*, or as authorized by *Florida Statutes*. The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.
- (6) Minimum efficiencies are those set by the *National Appliance Energy Conservation Act* of 1987 for typical residential equipment and are subject to NAECA rules and regulations. For other types of equipment, see Tables C403.2.3(1-11) of the Commercial Provisions of the *Florida Building Code, Energy Conservation*.
- (7) For other electric storage volumes, min. EF = 0.97 - (0.00132 \* volume).
- (8) For other natural gas storage volumes, min. EF = 0.67 - (0.0019 \* volume).

TABLE R402B MANDATORY REQUIREMENTS			
Component	Section	Summary of Requirement(s)	Check
Air leakage	R402.4	To be caulked, gasketed, weatherstripped or otherwise sealed per Table R402.4.1.1. Recessed lighting: IC-rated as having $\leq 2.0$ cfm tested to ASTM E 283. Windows and doors: 0.3 cfm/sq.ft (swinging doors: 0.5 cfm/sf) when tested to NFRC 400 or AAMA/WDMA/CSA 101/I.S. 2/A440. Fireplaces: Tight-fitting flue dampers & outdoor combustion air.	
Programmable thermostat	R403.1.2	Where forced-air furnace is primary system, a programmable thermostat is required.	
Air distribution system	R403.2.2 R403.2.4	Ducts shall be tested to Section 803 of the RESNET standards by an energy rater certified in accordance with Section 553.99, <i>Florida Statutes</i> , or as authorized by <i>Florida Statutes</i> . Air handling units are not allowed in attics.	
Water heaters	R403.4	Comply with efficiencies in Table C404.2. Hot water pipes insulated to $\geq R-3$ to kitchen outlets, other cases. Circulating systems to have an automatic or accessible manual OFF switch. Heat trap required for vertical pipe risers.	
Swimming pools & spas	R403.9	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 is 82%. Heat pump pool heaters minimum COP is 4.0.	
Cooling/heating equipment	R403.6	Sizing calculation performed & attached. Special occasion cooling or heating capacity requires separate system or variable capacity system.	
Lighting equipment	R404.1	At least 75% of permanently installed lighting fixtures shall be high-efficacy lamps.	



#34110

**Mark Disosway, P.E.**

163 SW Midtown Place, Suite 103 Lake City, FL 32025, Ph (386) 754-5419

2017-08-14

Building Department

Re: Dion Taylor, Moore Road, Columbia County, FL

To whom it may concern:

This letter is in reference to inspection issues on the above referenced project.

1. The osb roof sheathing was exposed to rain.

- a. The osb the builder said that he used was Blue Ribbon osb from Georgia-Pacific. Per the specifications this product has a classification of: Exposure 1 – OSB suitable for uses not permanently exposed to the weather. Panels classified as Exposure 1 are intended to resist the effects of moisture on structural performance as may occur due to construction delays, or other conditions of similar severity. (see attached spec sheet)

Per this classification the panels are able to withstand weather it may be exposed to during construction without affecting the structural properties of the panel.

- b. The builder stated that he talked to Cristina Giacone, with Georgia-Pacific Wood Products, and she recommended that if edge swelling caused a dimensional issue to sand down the edge and paint the sanded area.

Cristina Giacone  
Georgia-Pacific Wood Products  
133 Peachtree Street Atlanta, GA 30303  
Office: 404-652-5135  
Cell: 404-431-5687  
Fax: 404-487-3989  
[www.gpforcefield.com](http://www.gpforcefield.com)



Mark Disosway, PE  
Florida Professional Engineer #53915





## Specifications

**Blue Ribbon® oriented strand board (OSB)** is an excellent choice for floor, wall and roof sheathing in residential and light commercial construction applications. Each panel is third-party certified for quality and is rated for Exposure 1 bond durability for protected applications and limited exposure during normal construction delays. Blue Ribbon OSB is edge coated to limit absorption and pick-up of moisture.

### Available Sizes\*

#### Square Edge

- 3'-11 $\frac{1}{8}$ " (1.216 m) x 7'-11 $\frac{1}{8}$ " (2.435 m) – sized for 4' x 8'
- 3'-11 $\frac{1}{8}$ " (1.216 m) x 8'-11 $\frac{1}{8}$ " (2.740 m) – sized for 4' x 9'
- 3'-11 $\frac{1}{8}$ " (1.216 m) x 9'-11 $\frac{1}{8}$ " (3.044 m) – sized for 4' x 10'

\*Custom panels up to 26' are also available.

#### Tongue & Groove

- 3'-11 $\frac{1}{2}$ " (1.206 m) x 7'-11 $\frac{1}{8}$ " (2.435 m) – sized for 4' x 8'
- 3'-11 $\frac{1}{2}$ " (1.206 m) x 8'-11 $\frac{1}{8}$ " (2.740 m) – sized for 4' x 9'
- 3'-11 $\frac{1}{2}$ " (1.206 m) x 9'-11 $\frac{1}{8}$ " (3.044 m) – sized for 4' x 10'

### Building Code Performance Categories, Panel Thickness

- 7/16 CAT – 0.418" (10.61 mm)
- 15/32 CAT – 0.451" (11.45 mm)
- 1/2 CAT – 0.483" (12.26mm)
- 19/32 CAT – 0.578" (14.68 mm)
- 23/32 CAT – 0.703" (17.85 mm)
- 1-1/8 CAT – 1.091" (27.71 mm)

### Specifications

**Length/Width Tolerance**  $\pm \frac{1}{16}$ " ( $\pm 1.6$  mm)

**Straightness Tolerance**  $\pm \frac{1}{16}$ " ( $\pm 1.6$  mm)

**Squareness Tolerance**  $\pm \frac{1}{8}$ " ( $\pm 3.2$  mm)

**Testing Agency** APA®—The Engineered Wood Association

**Classification** **Exposure 1** – OSB suitable for uses not permanently exposed to the weather. Panels classified as Exposure 1 are intended to resist the effects of moisture on structural performance as may occur due to construction delays, or other conditions of similar severity.

**Code Fire Classification** Class III or C

**Flame Spread Rating** 76-200, smoke-developed index <450

**Building Code Compliance** PS 2-10

### Other Information

**Forestry Certification** Blue Ribbon OSB panels are made from wood sourced through a system that is third-party certified to the Sustainable Forestry Initiative® procurement standard.

**Green Building Programs** See our Blue Ribbon OSB *Sustainability Fact Sheet* available at [www.builditbetter.com](http://www.builditbetter.com) for more information on potential point contributions towards specific green building programs.

**NGBS Green Certified** Blue Ribbon OSB is Home Innovation NGBS Green Certified for Resource Efficiency and Indoor Environmental Quality. Please visit [Homeinnovation.com/Green](http://Homeinnovation.com/Green) for more information.





## Specifications

### Product Warranty

Blue Ribbon® OSB is covered by a Lifetime Limited Warranty. For terms and conditions, please refer to our Lifetime Limited Warranty available at [www.builditbetter.com](http://www.builditbetter.com).

### International Shipping

To prevent the introduction and spread of plant pests, *ISPM 15: International Standards for Phytosanitary Measures*, requires that internationally shipped solid wood pallets be debarked, treated with heat or fumigated with methyl bromide, and marked with a seal of compliance. **Pallets made with engineered wood, including Blue Ribbon OSB, are exempt from ISPM 15 regulations.** This is because the process of manufacturing engineered wood destroys any live organisms in the wood. (Source: "Boxes, Crate and Reel Manufacturing," [www.PerformancePanels.com](http://www.PerformancePanels.com))

### Formaldehyde Emissions

Blue Ribbon OSB contains no added urea formaldehyde resins. PS 1 and PS 2 structural panels are exempt from testing by the California Air Resources Board (CARB) in the *Composite Wood Air Toxic Control Measure (ATCM)* and phenolic bonded structural panels are exempt from testing or monitoring by HUD in the *Manufactured Home Construction and Safety Standards*.

### Manufacturing Locations

Location	APA Mill Number	Zip Code	Harvest Radius
Allendale, SC	531	29827	50 miles
Brookneal, VA	451	24528	100 miles
Clarendon, SC	532	29001	80 miles
Englehart, ONT, CA	530	P0J 1H0	50 miles
Fordyce, AR	475	71742	100 miles
Hosford, FL	500	32334	75 miles



Georgia-Pacific Wood Products  
133 Peachtree St., N.E.  
Atlanta, GA 30303  
800-284-5347 [www.builditbetter.com](http://www.builditbetter.com)

Blue Ribbon, Georgia-Pacific and the Blue Ribbon and Georgia-Pacific logos are trademarks owned by or licensed to Georgia-Pacific Wood Products LLC. APA is a registered trademark of APA-The Engineered Wood Association. Sustainable Forestry Initiative, SFI, and SFI logo are trademarks of Sustainable Forestry Initiative, Inc. The Home Innovation NGBS Green Certified logo is a trademark of Home Innovation Research Labs. ©2015 Georgia-Pacific Wood Products LLC. All rights reserved. Rev. 2/15 GP-TM Lit. Item #512105.