DATE 05/15/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027011

APPLICANT CHUCK WOOD PHONE 755-8699

ADDRESS P.O. BOX 3535 LAKE CITY FL 32056

OWNER MIKE ROBERTS PHONE 755-9476

ADDRESS 5429 SW SR 247 LAKE CITY FL 32024

CONTRACTOR WILLIAM WOOD PHONE 755-8699

LOCATION OF PROPERTY 90W, TL ON 247S, PAST FORREST COUNTRY SUB., ON THE LEFT
ACROSS THE STREET FROM STEVENS STREET

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 106850.00

HEATED FLOOR AREA 1495.00 TOTAL AREA 2137.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RR MAX. HEIGHT 18

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 21-4S-16-03084-008 SUBDIVISION SADDLE RIDGE

LOT 8 BLOCK PHASE UNIT TOTAL ACRES 0.50

		CBC058182		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
FDOT	07-1005	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, SEC 2.3.1 LEGAL NON-CONFORMING LOT OF RECORD, NOC ON FILE, FDOT PERMIT IN FILE

Check # or Cash 1470

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

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

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

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

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

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

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

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

Pool _____ date/app. by

Reconnection _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H Pole _____ date/app. by

Travel Trailer _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 535.00 CERTIFICATION FEE $ 10.69 SURCHARGE FEE $ 10.69

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

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 631.38

INSPECTORS OFFICE _____ CLERKS OFFICE _____

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

DATE 05/15/2008

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027011

APPLICANT CHUCK WOOD PHONE 755-8699

ADDRESS P.O. BOX 3535 LAKE CITY FL 32056

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		CBC058182	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
FDOT	07-1005	BK	JH	Y

COMMENTS: ONE FOOT ABOVE THE ROAD, SEC 2.3.1 LEGAL NON-CONFORMING LOT OF RECORD, NOC ON FILE, FDOT PERMIT IN FILE. FLOOR HEIGHT LETTER REC'D NEED FINISH FLOOR ELEVATION CERT. BEFORE SLAB @ 106.88'. Check # or Cash 1470

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power 08/06/2008 WR (date/app. by) Foundation (date/app. by) Monolithic (date/app. by)

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

Framing (date/app. by) Rough-in plumbing above slab and below wood floor (date/app. by)

Electrical rough-in (date/app. by) Heat & Air Duct (date/app. by) Peri. beam (Lintel) (date/app. by)

Permanent power (date/app. by) C.O. Final (date/app. by) Culvert (date/app. by)

M/H tie downs, blocking, electricity and plumbing (date/app. by) Pool (date/app. by)

Reconnection (date/app. by) Pump pole (date/app. by) Utility Pole (date/app. by)

M/H Pole (date/app. by) Travel Trailer (date/app. by) Re-roof (date/app. by)

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27011

GEO-TECH, INC.

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

March 23, 2009
Revised: April 15, 2009

Mike Roberts
657 S. W. Katherine Lane
Lake City, Florida 32025

Reference: Existing Residence
Saddle Ridge, Lot 8
S. R. 247
Columbia County, Florida
Geo-Tech Project No. 08-135G

Dear Mr. Roberts,

At your request, Geo-Tech, Inc. has determined a finished floor elevation for the residence at lot 8 of Saddle Ridge on State Road 247 in Columbia County, Florida.

Based upon our findings and with reference to U. S. Geological Survey Benchmark "41 FPV" located southwest of the site, the finished floor elevation of the residence is 107.22 feet. This elevation exceeds the previously recommended finished floor elevation of 107.13 feet as well as the estimated maximum flood elevation of 106.5 feet.

Based upon our evaluation, it is our opinion flooding of the site to the existing finished flood elevation of approximately 107.22 feet is highly unlikely.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

John C. Dorman, Jr., Ph.D., P.E. 4/15/09
Geotechnical Engineer
Florida Registration No. 52612

2603 NW 74TH PLACE • GAINESVILLE, FLORIDA 32653 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

1470

Columbia County Building Permit Application

For Office Use Only Application # 0712-77 Date Received 12/26/07 By CS Permit # 27011

Zoning Official BLK Date 03.01.08 Flood Zone X per plat FEMA Map # N/A Zoning RR

Land Use R.U.L.D. Elevation N/A MFE 1 ft above rd River N/A Plans Examiner OKJTH Date 1-17-08

Comments NEED FDOT driveway Permit (in file) Section 2.3.1 Legal Non-Conforming Lot of Record

☑ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Authorization from Contractor

☐ Unincorporated area ☐ Incorporated area ☐ Town of Fort White ☐ Town of Fort White Compliance letter

Septic Permit No. Fax 755-8615

Name Authorized Person Signing Permit Brenda Terry Phone 755-8699

Address PO Box 3535 Lake City, FL 32056

Owners Name Mike Roberts Phone 755-9476

911 Address 5429 SW SR 247, L.C. 32024

Contractors Name William Wood Phone 755-8699

Address PO Box 3535 Lake City, FL 32056

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Mark Disosway PE

Mortgage Lenders Name & Address N/A

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

Property ID Number 21-4S-16-03084-008 Estimated Cost of Construction $120,000.00

Subdivision Name Saddle Ridge Lot 8 Block ____ Unit ____ Phase ____

Driving Directions Hwy 90 to SR 247 turn left go past Forrest Country Sub. lot is on left. 5429 SW SR 247 across the street from Stevens St.

Number of Existing Dwellings on Property 0

Construction of Single Residential Dwelling Total Acreage .5 Lot Size ____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 18' 2"

Actual Distance of Structure from Property Lines - Front 45' Side 55' Side 75' Rear 40'

Number of Stories 1 Heated Floor Area 1495 Total Floor Area 2137 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

left message

Columbia County Building Permit Application

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

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

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

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature

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.

Contractor's Signature (Permitee)

Contractor's License Number CB-C058182
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 26 **day of** Dec **20**07

Personally known V **or Produced Identification**_____

State of Florida Notary Signature (For the Contractor)

SEAL:

Brenda Terry
My Commission DD293868
Expires February 24, 2008

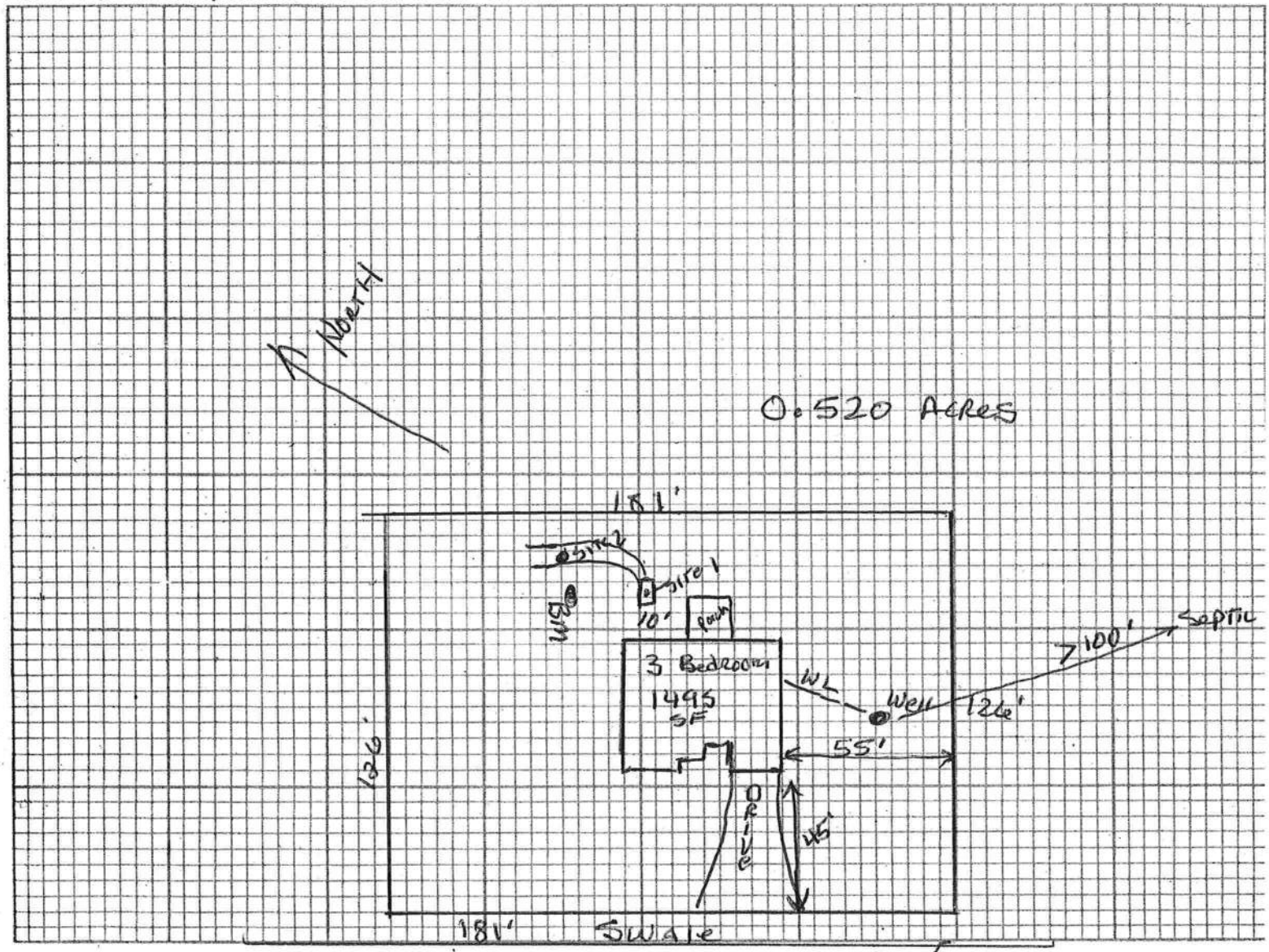
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-1005

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Micheal W Roberts
Lot 8 Saddle Ridge
21-45-16-03084-008

Site Plan submitted by: Robert W Ford Jr (Signature) Agent (Title)

Plan Approved ✓ Not Approved ____ Date 12-27-07

By [signature] Columbia County Health Departmer

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

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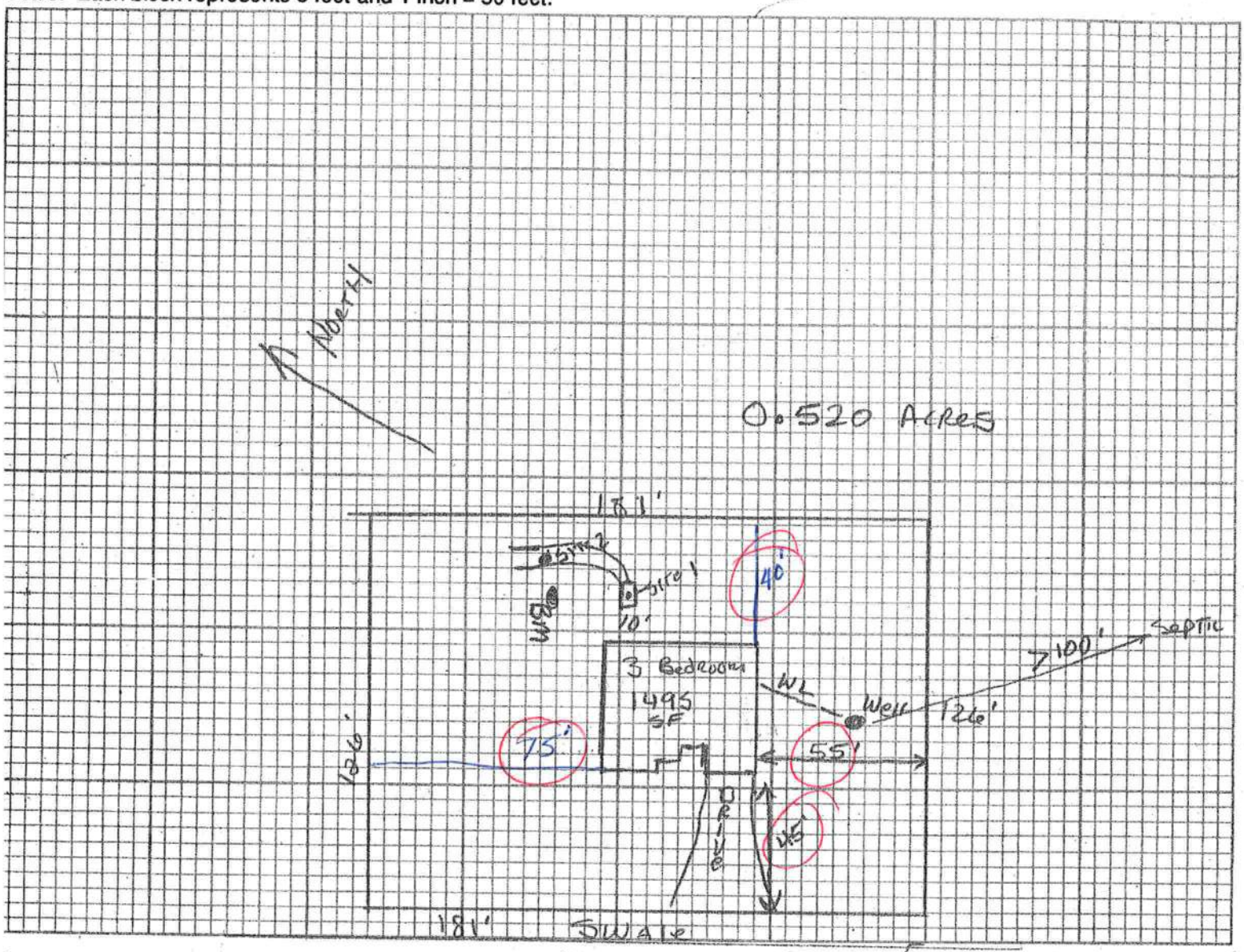


Notes: _____

Micheal W Roberts

Lot 8 Saddle Ridge

21-45-16-03084-008

Site Plan submitted by: Robert W Ford Jr _____ Agent _____
Signature Title

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

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: 12/20/2007 **DATE ISSUED:** 12/26/2007

ENHANCED 9-1-1 ADDRESS:

5429 SW STATE ROAD 247

LAKE CITY FL 32024

PROPERTY APPRAISER PARCEL NUMBER:

21-4S-16-03084-008

Remarks:

LOT 8 SADDLE RIDGE S/D.

Address Issued By: _____

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.

1073

Approved Address

DEC 26 2007

911Addressing/GIS Dept

This Instrument Prepared by & return to:
Name: *Brenda Styons, an employee of*
TITLE OFFICES, LLC
Address: *1089 SW MAIN BLVD.*
LAKE CITY, FLORIDA 32025
File No. 05Y-03042BS

Parcel I.D. #: *03084-008*

Inst:2005007220 Date:03/30/2005 Time:09:05
Doc Stamp-Deed : 133.00
DC,P.DeWitt Cason,Columbia County B:1041 P:2507

SPACE ABOVE THIS LINE FOR PROCESSING DATA | *SPACE ABOVE THIS LINE FOR RECORDING DATA*

THIS WARRANTY DEED *Made the 23rd day of March, A.D. 2005, by*

JOSEPH F BALL, JR. and CHRISTINE M. BALL, HIS WIFE, hereinafter called the grantors, to

MICHAEL W. ROBERTS, SINGLE *whose post office address is*

657 SW CATHERINE LN, LAKE CITY, FL 32025, hereinafter called the grantee:

(Wherever used herein the terms "grantors" 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 grantors, for and in consideration of the sum of $10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do 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:*

Lot 8, SADDLE RIDGE, according to the map or plat thereof as recorded in Plat Book 5, Page 67, of the Public Records of Columbia County, FLORIDA.

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 grantors hereby covenant with said grantee that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant 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, 2004.*

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

Signed, sealed and delivered in the presence of:

Barbara Rose
Witness Signature
BARBARA ROSE
Printed Name

Bonita Hadwin
Witness Signature
BONITA HADWIN
Printed Name

L.S.
JOSEPH F BALL, JR.
Address:
248 SW MELON CT, LAKE CITY, FL. 32024

L.S.
CHRISTINE M. BALL
Address:
248 SW MELON CT, LAKE CITY, FL. 32024

STATE OF FLORIDA
COUNTY OF COLUMBIA

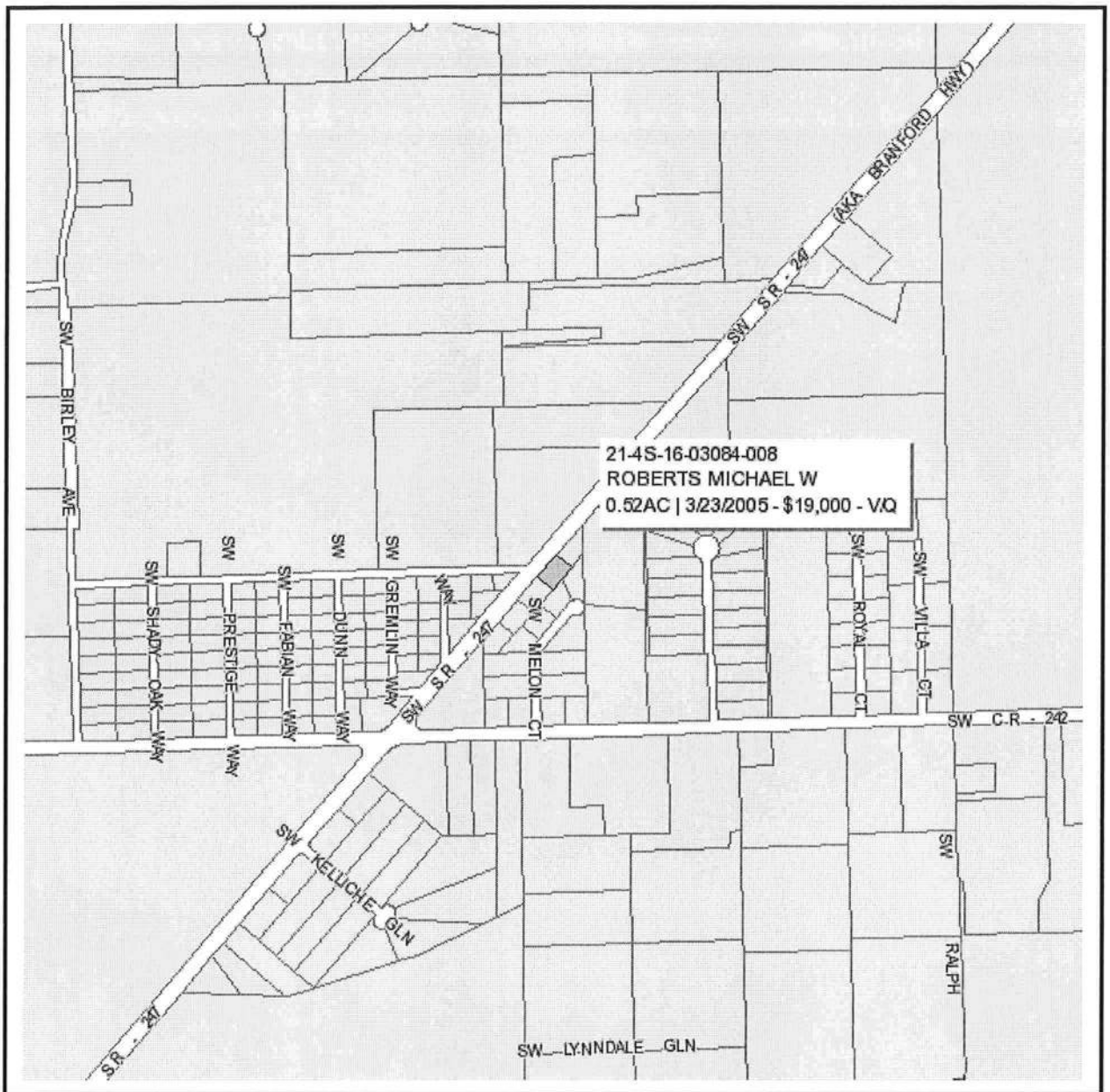
The foregoing instrument was acknowledged before me this 23rd day of March, 2005, by ***JOSEPH F BALL, JR. and CHRISTINE M. BALL,*** *who are known to me or who have produced* Fla. Drivers Lics. *as identification.*

Bonita Hadwin
Notary Public
My commission expires _____

Bonita Hadwin
MY COMMISSION # DD230004 EXPIRES
August 10, 2007
BONDED THRU TROY FAIN INSURANCE, INC.

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By _____ Deputy Clerk
Date 3/30/05

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

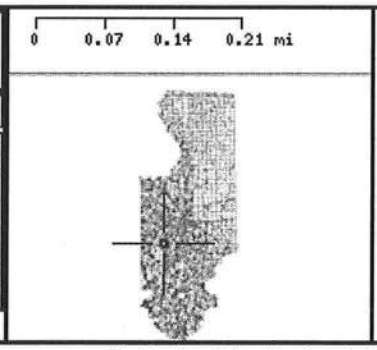


Columbia County Property Appraiser

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

PARCEL: 21-4S-16-03084-008 - VACANT (000000)

Name:	ROBERTS MICHAEL W	LandVal	$22,500.00
Site:		BldgVal	$0.00
Mail:	657 SW CATHERINE LANE LAKE CITY, FL 32025	ApprVal	$22,500.00
		JustVal	$22,500.00
Sales Info	3/23/2005 $19,000.00 V / Q	Assd	$22,500.00
	9/29/2004 $10,800.00 V / Q	Exmpt	$0.00
	4/6/1990 $5,000.00 V / U	Taxable	$22,500.00



NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

******THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.******

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

Tax Parcel ID Number 21-4S-16-03084-008

1. **Description of property: (legal description of the property and street address or 911 address)**
Lot 8 Saddle Ridge S/D ORB 715-498, WD 1027-299, WD 1041-2507

5429 SW SR 247
Lake City, FL 32024

2. **General description of improvement:** Single Family Dwelling

3. **Owner Name & Address** Mike Roberts 657 SW Catherine Lane Lake City, FL 32025 **Interest in Property** Owner

4. **Name & Address of Fee Simple Owner (if other than owner):** N/A

5. **Contractor Name** William Wood **Phone Number** 755-8699
Address PO Box 3535 Lake City, FL 32056

6. **Surety Holders Name** N/A **Phone Number**
Address
Amount of Bond N/A

Inst:200712028328 Date:12/26/2007 Time:3:05 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1

7. **Lender Name** N/A
Address

8. **Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:**
Name N/A **Phone Number**
Address

9. **In addition to himself/herself the owner designates** N/A **of** **to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –**
(a) 7. Phone Number of the designee N/A

10. **Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)** N/A

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Mike Roberts
Signature of Owner

Sworn to (or affirmed) and subscribed before day of 26, December **20** 07

NOTARY STAMP/SEAL
Brenda Terry
My Commission DD293888
Expires February 24, 2008

Brenda Terry
Signature of Notary

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING 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 SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS; Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☐	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☐	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☐	☐	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☐	☐	**Elevations including:**
☑	☐	a) All sides
☑	☐	b) Roof pitch
☑	☐	c) Overhang dimensions and detail with attic ventilation
☑	☐	d) Location, size and height above roof of chimneys
☐	☐	e) Location and size of skylights
☑	☐	f) Building height
☑	☐	e) Number of stories

Floor Plan including:

- ☑ ☐ a) Rooms labeled and dimensioned
- ☑ ☐ b) Shear walls
- ☑ ☐ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- ☑ ☐ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- ☐ ☐ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☑ ☐ f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- ☑ ☐ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☑ ☐ b) All posts and/or column footing including size and reinforcing
- ☑ ☐ c) Any special support required by soil analysis such as piling
- ☑ ☐ d) Location of any vertical steel

Roof System:

- ☑ ☐ a) Truss package including:
  1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
  2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- ☐ ☐ b) Conventional Framing Layout including:
  1. Rafter size, species and spacing
  2. Attachment to wall and uplift
  3. Ridge beam sized and valley framing and support details
  4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- ☐ ☐ a) Masonry wall
  1. All materials making up wall
  2. Block size and mortar type with size and spacing of reinforcement
  3. Lintel, tie-beam sizes and reinforcement
  4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  7. Fire resistant construction (if required)
  8. Fireproofing requirements
  9. Shoe type of termite treatment (termicide or alternative method)
  10. Slab on grade
      a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
      b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  11. Indicate where pressure treated wood will be placed
  12. Provide insulation R value for the following:
      a. Attic space
      b. Exterior wall cavity
      c. Crawl space (if applicable)

☑ ☐ **b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
    a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

☐ ☐ c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

☐ ☐ a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

☐ ☐ b) Floor joist size and spacing

☐ ☐ c) Girder size and spacing

☐ ☐ d) Attachment of joist to girder

☐ ☐ e) Wind load requirements where applicable

☑ ☐ **Plumbing Fixture layout**

Electrical layout including:

☑ ☐ a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

☑ ☐ b) Ceiling fans

☑ ☐ c) Smoke detectors

☑ ☐ d) Service panel and sub-panel size and location(s)

☑ ☐ e) Meter location with type of service entrance (overhead or underground)

☑ ☐ f) Appliances and HVAC equipment

☑ ☐ g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

☑ ☐ a) Manual J sizing equipment or equivalent computation

☑ ☐ b) Exhaust fans in bathroom

☑ ☐ **Energy Calculations** (dimensions shall match plans)

☐ ☐ **Gas System** Type (LP or Natural) Location and BTU demand of equipment

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice Of Commencement Required Before Any Inspections Will Be Done**

☑ ☐ **Private Potable Water**

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.
   (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting 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 8.8 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 8.7 of the Columbia County Land Development Regulations.
   CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.
   A development permit will also be required. Development permit cost is **$50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

FORM 600A-2004R

EnergyGauge® 4.5

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	mike roberts-1495	Builder:	owner
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	27011
Owner:		Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 28.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft²)	1495 ft²	13. Heating systems	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 30.0 kBtu/hr
a. U-factor: (or Single or Double DEFAULT)	Description Area		HSPF: 8.00
7a.	(Dble Default) 146.0 ft²	b. N/A	
b. SHGC: (or Clear or Tint DEFAULT)		c. N/A	
7b.	(Clear) 146.0 ft²	14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 189.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
9. Wall types		15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
a. Frame, Wood, Adjacent	R=13.0, 290.0 ft²		
b. Frame, Wood, Exterior	R=13.0, 1100.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 1495.0 ft²		
b. Under Attic	R=19.0, 200.0 ft²		
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 123.0 ft		
b. N/A			

Glass/Floor Area: 0.10

Total as-built points: 21270

Total base points: 22002

PASS

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

PREPARED BY: Suncoast Insulators

DATE: 6-20-07

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	1495.0	18.59	5003.0	1.Double, Clear	E	2.0	5.0	59.0	42.06	0.80	1977.0
				2.Double, Clear	W	2.0	5.0	77.0	38.52	0.80	2371.0
				3.Double, Clear	S	2.0	5.0	4.0	35.87	0.72	103.0
				4.Double, Clear	N	2.0	5.0	6.0	19.20	0.87	100.0
				As-Built Total:				**146.0**			**4551.0**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	290.0	0.70	203.0	1. Frame, Wood, Adjacent			13.0	290.0	0.60		174.0
Exterior	1100.0	1.70	1870.0	2. Frame, Wood, Exterior			13.0	1100.0	1.50		1650.0
Base Total:	**1390.0**		**2073.0**	**As-Built Total:**				**1390.0**			**1824.0**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	18.0	2.40	43.2	1.Exterior Insulated				18.0	4.10		73.8
Exterior	18.0	6.10	109.8	2.Adjacent Insulated				18.0	1.60		28.8
Base Total:	**36.0**		**153.0**	**As-Built Total:**				**36.0**			**102.6**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	1495.0	1.73	2586.4	1. Under Attic			30.0	1495.0	1.73 X 1.00		2586.4
				2. Under Attic			19.0	200.0	2.34 X 1.00		468.0
Base Total:	**1495.0**		**2586.4**	**As-Built Total:**				**1695.0**			**3054.4**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	189.0(p)	-37.0	-6993.0	1. Slab-On-Grade Edge Insulation			0.0	189.0(p	-41.20		-7786.8
Raised	0.0	0.00	0.0								
Base Total:			**-6993.0**	**As-Built Total:**				**189.0**			**-7786.8**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	1495.0	10.21	15264.0					1495.0	10.21		15264.0

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 18086.3			**Summer As-Built Points:**					**17009.1**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 28000btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS)					
18086.3	0.3250	5878.0	17009 **17009.1**	1.00 **1.00**	(1.09 x 1.147 x 1.00) **1.250**	0.260 **0.260**	1.000 **1.000**	5529.0 **5529.0**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1495.0	20.17	5428.0	1.Double, Clear	E	2.0	5.0	59.0	18.79	1.08	1201.0
				2.Double, Clear	W	2.0	5.0	77.0	20.73	1.06	1690.0
				3.Double, Clear	S	2.0	5.0	4.0	13.30	1.40	74.0
				4.Double, Clear	N	2.0	5.0	6.0	24.58	1.01	148.0
				As-Built Total:				**146.0**			**3113.0**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Adjacent	290.0	3.60	1044.0	1. Frame, Wood, Adjacent			13.0	290.0	3.30		957.0
Exterior	1100.0	3.70	4070.0	2. Frame, Wood, Exterior			13.0	1100.0	3.40		3740.0
Base Total:	**1390.0**		**5114.0**	**As-Built Total:**				**1390.0**			**4697.0**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	18.0	11.50	207.0	1.Exterior Insulated				18.0	8.40		151.2
Exterior	18.0	12.30	221.4	2.Adjacent Insulated				18.0	8.00		144.0
Base Total:	**36.0**		**428.4**	**As-Built Total:**				**36.0**			**295.2**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	1495.0	2.05	3064.8	1. Under Attic			30.0	1495.0	2.05 X	1.00	3064.8
				2. Under Attic			19.0	200.0	2.70 X	1.00	540.0
Base Total:	**1495.0**		**3064.8**	**As-Built Total:**				**1695.0**			**3604.8**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	189.0(p)	8.9	1682.1	1. Slab-On-Grade Edge Insulation			0.0	189.0(p	18.80		3553.2
Raised	0.0	0.00	0.0								
Base Total:			**1682.1**	**As-Built Total:**				**189.0**			**3553.2**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1495.0	-0.59	-882.0					1495.0	-0.59		-882.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**14835.2**	**Winter As-Built Points:**					**14381.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 30000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0					
14835.2	0.5540	8218.7	14381.1	1.00	1.250	0.426	1.000	7660.4

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X Multiplier	= Total		Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3	2635.00	7905.0		50.0	0.90	3	1.00	2693.56	1.00	8080.7
				As-Built Total:						**8080.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
5878	**8219**	**7905**	**22002**	**5529**	**7660**	**8081**	**21270**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.2

The higher the score, the more efficient the home.

1.	New construction or existing	New		12.	Cooling systems	
2.	Single family or multi-family	Single family			a. Central Unit	Cap: 28.0 kBtu/hr
3.	Number of units, if multi-family	1				SEER: 13.00
4.	Number of Bedrooms	3			b. N/A	
5.	Is this a worst case?	Yes				
6.	Conditioned floor area (ft²)	1495 ft²			c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)					
	a. U-factor:	Description Area		13.	Heating systems	
	(or Single or Double DEFAULT)	7a. (Dble Default) 146.0 ft²			a. Electric Heat Pump	Cap: 30.0 kBtu/hr
	b. SHGC:					HSPF: 8.00
	(or Clear or Tint DEFAULT)	7b. (Clear) 146.0 ft²			b. N/A	
8.	Floor types					
	a. Slab-On-Grade Edge Insulation	R=0.0, 189.0(p) ft			c. N/A	
	b. N/A					
	c. N/A			14.	Hot water systems	
9.	Wall types				a. Electric Resistance	Cap: 50.0 gallons
	a. Frame, Wood, Adjacent	R=13.0, 290.0 ft²				EF: 0.90
	b. Frame, Wood, Exterior	R=13.0, 1100.0 ft²			b. N/A	
	c. N/A					
	d. N/A				c. Conservation credits	
	e. N/A				(HR-Heat recovery, Solar	
10.	Ceiling types				DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 1495.0 ft²		15.	HVAC credits	
	b. Under Attic	R=19.0, 200.0 ft²			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A				HF-Whole house fan,	
11.	Ducts				PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 123.0 ft			MZ-C-Multizone cooling,	
	b. N/A				MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

LYNCH WELL DRILLING, INC.

173 SW Tustenuggee Ave
Lake City, FL. 32025
Phone 386-752-6677
Fax 386-752-1477

Building Permit #_____ Owner's Name_____

Well Depth_____ Ft. Casing Depth _____Ft. Water Level _____Ft.

Casing Size 4 inch Steel Pump Installation: Deep Well Submersible

Pump Make Aermotor Pump Model 520-100 HP 1

System Pressure (PSI) _____ On 30 Off 50 Average Pressure 40

Pumping System GPM at average pressure and pumping level _____(GPM)

Tank Installation: Bladder/Galvanized Make Challenger
Model PC244 Size 81

Tank Draw-down per cycle at system pressure 25.1 gallons

I HEREBY VERTIFY THAT THIS WATER WELL SYSTEM HAS BEEN INSTALLED AS PER THE ABOVE INFORMATION.

Linda Newcomb
Signature

Linda Newcomb
Print Name

2609
License Number

_____
Date

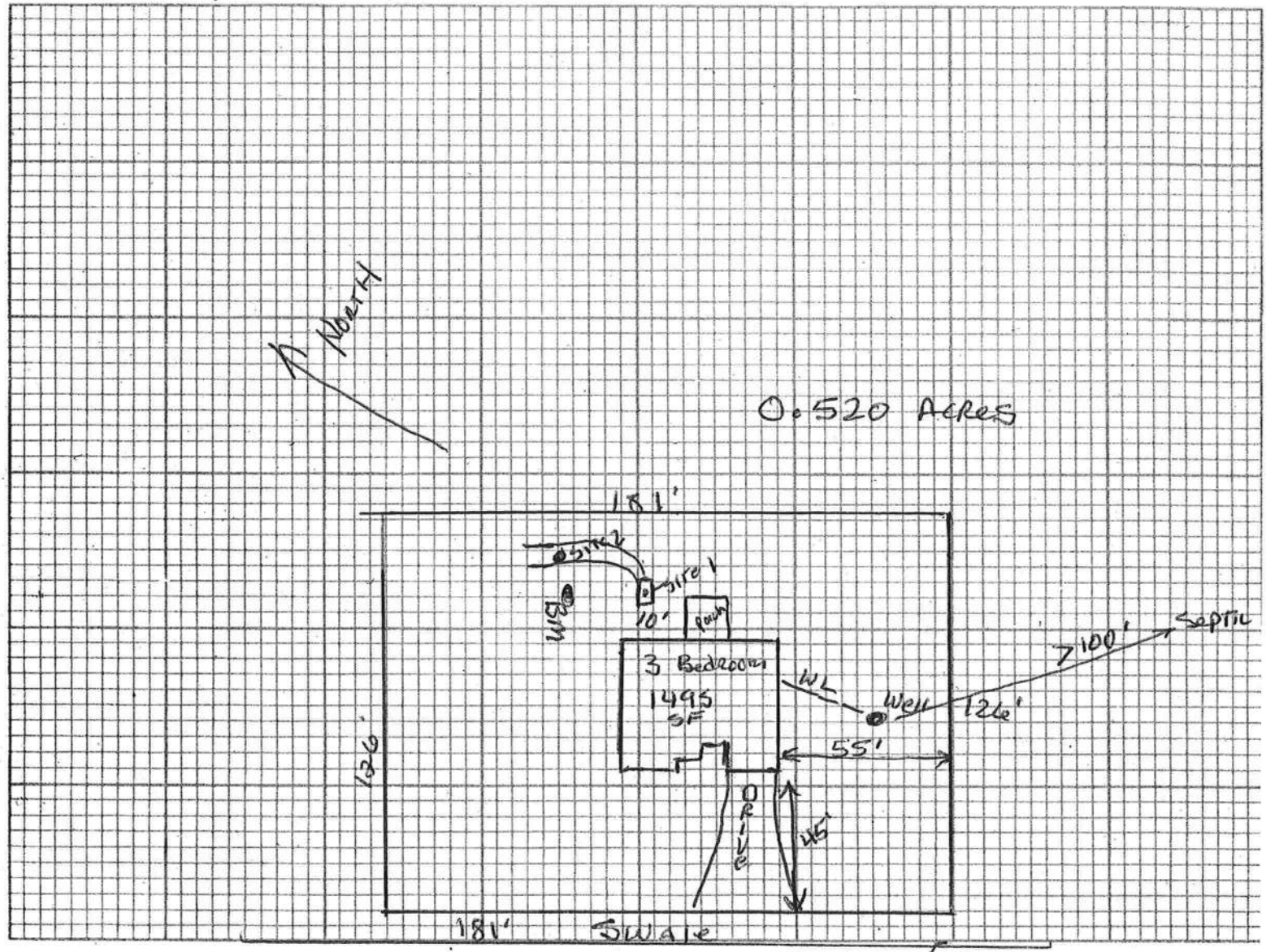
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-1005

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes:

Micheal W Roberts
Lot 8 Saddle Ridge
21-4S-16-03084-008

Site Plan submitted by: Robert W Ford Jr (Signature) Agent (Title)

Plan Approved ✓ Not Approved ____ Date 12-27-07

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/98 (Replaces HRS-H Form 4015 which may be used)

27011

GEO-TECH, INC.

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

September 11, 2008

Mike Roberts
657 S. W. Katherine Lane
Lake City, Florida 32025

Reference: Proposed Residence
Saddle Ridge, Lot 8
S. R. 247
Columbia County, Florida
Geo-Tech Project No. 08-135G

Dear Mr. Roberts,

Geo-Tech, Inc. has completed an investigation and evaluation of lot 8 of Saddle Ridge in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at the site and to provide recommendations as appropriate. The building site had been cleared and filled to slab bearing grade at the time of our investigation, and we understand the finished floor elevation will be approximately 4 inches above this existing bearing grade.

With reference to U. S. Geological Survey Benchmark "41 FPV" located southwest of the site, the finished floor of the residence will have an elevation of approximately 106.88 feet. This elevation is about 0.54 feet below the centerline of the adjacent roadway, S. R. 247 (elevation 107.42 feet).

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

Based upon the flood insurance rate map for Columbia County, Florida, two small zone "A" flood zones are located relatively near the home site, and the flood elevation for these two flood zones is estimated to be approximately 100 feet, well below the proposed finished floor elevation of approximately 106.88 feet.

Saddle Ridge is located within an area that is relatively lower topographically, and based upon the topography of this area, we believe the maximum flood elevation that could occur in this area is approximately 106.5 feet, or approximately 0.4 feet below the proposed finished floor elevation. Floodwater higher than this elevation would leave the area through overland flow to topographically lower areas.

Based upon our evaluation, it is our opinion flooding of the site to the proposed finished flood elevation of approximately 106.88 feet is highly unlikely, and we

recommend construction proceed as proposed. The proposed finished floor elevation of approximately 106.88 feet should be used.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

9/11/08

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

GEO-TECH, INC.

-755-9476 - Mike Roberts

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

September 11, 2008

WILL THIS WORK?

NEED ORIGINAL

Mike Roberts
657 S. W. Katherine Lane
Lake City, Florida 32025

Reference: Proposed Residence
Saddle Ridge, Lot 8
S. R. 247
Columbia County, Florida
Geo-Tech Project No. 08-135G

Dear Mr. Roberts,

Geo-Tech, Inc. has completed an investigation and evaluation of lot 8 of Saddle Ridge in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed at the site and to provide recommendations as appropriate. The building site had been cleared and filled to slab bearing grade at the time of our investigation, and we understand the finished floor elevation will be approximately 4 inches above this existing bearing grade.

With reference to U. S. Geological Survey Benchmark "41 FPV" located southwest of the site, the finished floor of the residence will have an elevation of approximately 106.88 feet. This elevation is about 0.54 feet below the centerline of the adjacent roadway, S. R. 247 (elevation 107.42 feet).

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

Based upon the flood insurance rate map for Columbia County, Florida, two small zone "A" flood zones are located relatively near the home site, and the flood elevation for these two flood zones is estimated to be approximately 100 feet, well below the proposed finished floor elevation of approximately 106.88 feet.

Saddle Ridge is located within an area that is relatively lower topographically, and based upon the topography of this area, we believe the maximum flood elevation that could occur in this area is approximately 106.5 feet, or approximately 0.4 feet below the proposed finished floor elevation. Floodwater higher than this elevation would leave the area through overland flow to topographically lower areas.

Based upon our evaluation, it is our opinion flooding of the site to the proposed finished flood elevation of approximately 106.88 feet is highly unlikely, and we

#27011

recommend construction proceed as proposed. The proposed finished floor elevation of approximately 106.88 feet should be used.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Geo-Tech, Inc.

John C. Dorman, Jr. Ph.D., P.E. 9/11/08
Geotechnical Engineer

Cal-Tech Testing, Inc.
FOUNDATIONS • ASPHALT • SOILS • CONCRETE
ENGINEERING • GEOTECHNICAL • ENVIRONMENTAL

CAL-TECH TESTING, INC.

ENGINEERING & TESTING LABORATORY

P.O. Box 1625, Lake City, FL 32056-1625
4784 Rosselle St. • Jacksonville, FL 32254
2230 Greensboro Hwy., Quincy, FL 32351

Lake City • (386) 755-3633
Fax • (386) 752-5456

Jacksonville • (904) 381-8901
Fax • (904) 381-8902

Quincy • (850) 442-3495
Fax • (850) 442-4008

JOB NO.: 08521
DATE TESTED: 10-13-08

27011

REPORT OF IN-PLACE DENSITY TEST

ASTM METHOD: ✓ (D-2922) Nuclear _____ (D-2937) Drive Cylinder _____ Other

PROJECT: Lot 8 Saddleridge Subdivision

CLIENT: Mike Roberts Framing

GENERAL CONTRACTOR: _____ EARTHWORK CONTRACTOR: _____

SOIL USE (SEE NOTE): 1 SPECIFICATION REQUIREMENTS: 95%

TECHNICIAN: Michael Bennett

MODIFIED (ASTM D-1557): ✓ STANDARD (ASTM D-698): _____

TEST NO.	TEST LOCATION	TEST: 12 DEPTH / ELEV. / LIFT	PROCTOR NO.	WET DENS. LBS.CU.FT.	DRY DENS. LBS.CU.FT.	MOIST PERCENT	% MAX. DENS.
	West end of building pad	1		114.5	107.4	6.6	104
	center of building pad	2		105.3	102.7	5.4	100
	East end of building pad	3		103.5	99.6	4.0	97

REMARKS: _____

PROCTOR NO.	SOIL DESCRIPTION	PROCTOR VALUE	OPT. MOIST.
1		103.1	10.8

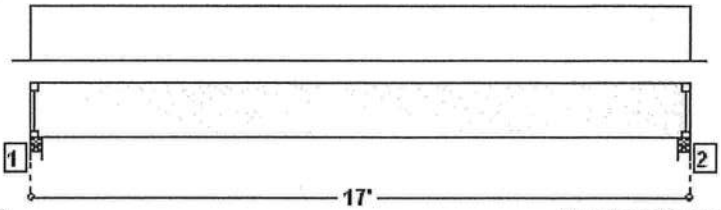
NOTE: 1. Building Fill 2. Trench Backfill 3. Base Course 4. Subbase/Stabilized Subgrade 5. Embankment 6. Subgrade/Natural Soil 7. Other

GARAGE DOOR BEAM

2 Pcs of 1 3/4" x 11 7/8" 1.9E Microllam® LVL

THIS PRODUCT MEETS OR EXCEEDS THE SET DESIGN CONTROLS FOR THE APPLICATION AND LOADS LISTED

Member Slope: 0/12 Roof Slope0/12



All dimensions are horizontal. **Product Diagram is Conceptual.**

LOADS:

Analysis is for a Drop Beam Member. Tributary Load Width: 1'
Primary Load Group - Roof (psf): 20.0 Live at 125 % duration, 15.0 Dead
Vertical Loads:

Type	Class	Live	Dead	Location	Application	Comment
Uniform(plf)	Roof(1.25)	99.0	40.0	0 To 17'	Adds To	EJ3 LOADS

SUPPORTS:

		Input Width	Bearing Length	Vertical Reactions (lbs) Live/Dead/Uplift/Total	Detail	Other
1	Stud wall	3.50"	1.50"	1012 / 565 / 0 / 1577	L1: Blocking	1 Ply 1 3/4" x 11 7/8" 1.9E Microllam® LVL
2	Stud wall	3.50"	1.50"	1012 / 565 / 0 / 1577	L1: Blocking	1 Ply 1 3/4" x 11 7/8" 1.9E Microllam® LVL

-See TJ SPECIFIER'S / BUILDERS GUIDE for detail(s): L1: Blocking

DESIGN CONTROLS:

	Maximum	Design	Control	Control	Location
Shear (lbs)	1546	-1339	9871	Passed (14%)	Rt. end Span 1 under Roof loading
Moment (Ft-Lbs)	6440	6440	22310	Passed (29%)	MID Span 1 under Roof loading
Live Load Defl (in)		0.235	0.556	Passed (L/852)	MID Span 1 under Roof loading
Total Load Defl (in)		0.366	0.833	Passed (L/547)	MID Span 1 under Roof loading

-Deflection Criteria: Specified(LL:L/360,TL:L/240).
-Bracing(Lu): All compression edges (top and bottom) must be braced at 17' o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
-Design assumes adequate continuous lateral support of the compression edge.

ADDITIONAL NOTES:

-IMPORTANT! The analysis presented is output from software developed by Trus Joist (TJ). TJ warrants the sizing of its products by this software will be accomplished in accordance with TJ product design criteria and code accepted design values. The specific product application, input design loads, and stated dimensions have been provided by the software user. This output has not been reviewed by a TJ Associate.
-Not all products are readily available. Check with your supplier or TJ technical representative for product availability.
-THIS ANALYSIS FOR TRUS JOIST PRODUCTS ONLY! PRODUCT SUBSTITUTION VOIDS THIS ANALYSIS.
-Allowable Stress Design methodology was used for Building Code UBC analyzing the TJ Distribution product listed above.
-Note: See TJ SPECIFIER'S / BUILDER'S GUIDES for multiple ply connection.

Operator Notes:

GDB

PROJECT INFORMATION:

L229281
MIKE ROBERTS
GARAGE DOOR BEAM

OPERATOR INFORMATION:

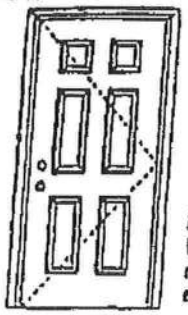
Kimber Holloway
Builders FirstSource
2525 East Duval Street
Lake City,, FL 32055
Phone : 386-755-6894
Fax : 386-755-7973
kim.holloway@buildersfirstsource.com

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Note:
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Test Data Review Checklist #3026447A and COP/Test Report Validation Matrix #3026447A-001 previous assessor submittals - available from the ITS Web access (www.intertek.com), the Masonite website (www.masonite.com) or the National Archives (mn).

Single Door

Design Pressure
+66.0/-66.0

Large Missile Impact Resistance
Hurricane protective system (shutters) is NOT REQUIRED

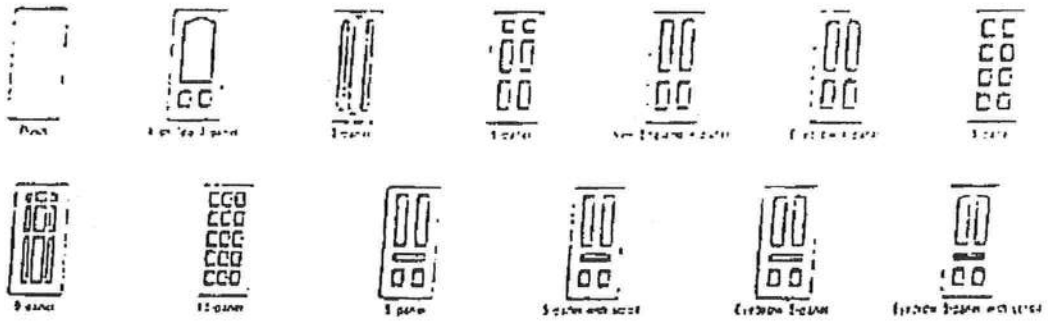
MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see WD Art. Master ...

MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed - see WD Art. Master ...

APPROVED DOOR STYLES:



Johnson EntrySystems

Masonite International Corporation

X
Opaque Inswing Unit

COP-WL-JH4101-02

WOOD-EDGE STEEL DOORS

CERTIFIED TEST REPORTS:

NCTL 210-2185-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA201, PA202 and PA203.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold

PRODUCT COMPLIANCE LABELING:

TESTED IN ACCORDANCE WITH
MIAMI-DADE BCCO
PA201, PA202 & PA203

COMPANY NAME
CITY STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

Kurt L Balthazor

State of Florida, Professional Engineer
Kurt Balthazor, P.E. – License Number 56533

Test Data Review Certificate #30264473-A and CCRF/Test Report Validation Matrix #30264473-001 provides additional information - available from the ITS Web site (www.intertek.com), the Masonite website (www.masonite.com) or the Masonite technical center.

2

Johnson EntrySystems

June 17, 2002

PREHUNG

Masonite

Masonite International Corporation

FLORIDA DEPARTMENT OF Community Affairs

Community Affairs

Product Approval

USER: Public User

FL #	FL1214-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer Address/Phone/Email	Alenco 615 Carson Bryan, TX 77802 (979) 779-7770 ext 343 mkoppers@alenco.com
Authorized Signature	Martin Koppers mkoppers@alenco.com
Technical Representative Address/Phone/Email	Martin Koppers 615 Carson St. Bryan, TX 77802 mkoppers@alenco.com
Quality Assurance Representative Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute,
Referenced Standard and Year (of	**Standard**

Standard)	AAMA/NWWDA 101/I.S.2
Equivalence of Product Standards Certified By	
Sections from the Code	1707.4.2.1
Product Approval Method	Method 1 Option A
Date Submitted	06/08/2005
Date Validated	08/04/2005
Date Pending FBC Approval	06/18/2005
Date Approved	08/05/2005

Summary of Products

FL #	Model, Number or Name	Description
1214.1	1111	Vinyl Tilt Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 1111: 48X72 R(35) Tested with DS annealed,44X72 R(40)Tested with SS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** PTID 1214 R1 I FL INSTALLATION INSTRUCTIONS - Aluminum B.pdf PTID 1214 R1 I INSTALLATION INSTRUCTIONS - Vinyl B.pdf Verified By:
1214.2	3753	Aluminum Tilt Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 3753:44X72 R(40) Tested with Tested with DS annealed.For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** Verified By:
1214.3	4710F	Aluminum Single Hung
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** 4710F:48X72 R(40)/DP(50), Tested with DS annealed glass.For smaller window sizes, glass to comply with ASTM E1300-02.		**Certification Agency Certificate** **Installation Instructions** Verified By:

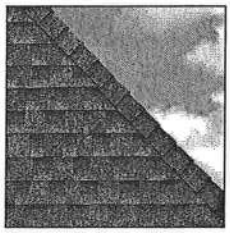
Back Next

DCA Administration

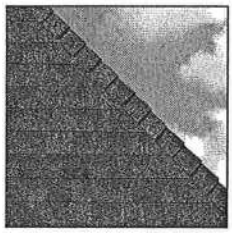
Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

ELK Roofing Products Specifications – Tuscaloosa, AL



PRESTIQUE®
HIGH DEFINITION®



RAISED PROFILE®

Prestique Plus *High Definition* and Prestique Gallery Collection™

Product size 13¼"x 39⅜"
Exposure 5⅝"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 11

50-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 110 mph***

Prestique I *High Definition*

Product size 13¼"x 39⅜"
Exposure 5⅝"
Pieces/Bundle 16
Bundles/Square 4/98.5 sq.ft.
Squares/Pallet 14

40-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph, extended 90 mph***

Prestique *High Definition*

Product size 13¼"x 38⅞"
Exposure 5⅝"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 80 mph.

Raised Profile

Product size 13¼"x 38⅞"
Exposure 5⅝"
Pieces/Bundle 22
Bundles/Square 3/100 sq.ft.
Squares/Pallet 16

30-year limited warranty period: 5-7**years non-prorated coverage for shingles and application labor with prorated coverage for remainder of limited warranty period, plus an option for transferability*. 5-year limited wind warranty*. Wind Coverage: standard 70 mph.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/*FLX*™
Size: 12"x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Vented RidgeCrest™ w/*FLX*™
Size: 13"x13¼"
Exposure: 9¼"
Pieces/Box: 26
Coverage: 5 boxes = 100 linear feet

Elk Starter Strip

52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors (Check Availability): Antique Slate, Weatheredwood, Shakewood, Sablewood, Hickory, Barkwood, Forest Green, Wedgewood, Birchwood, Sandalwood.
Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge, and Prestique Starter Strip roofing products contain sealant which activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard* treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae.

All Prestique and Raised Profile shingles meet UL* Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles have approval from the Florida Building Code Commission, Metro-Dade County, ICBO, and Texas Department of Insurance.

*See actual limited warranty for conditions and limitations.
** Effective January 1, 2004, the seven year non-prorated Umbrella Coverage Period applies only when a full Elk Roof System is installed with the original installation of the Elk shingles, all in accordance with Elk's application instructions for such products. A full Elk roof system includes Elk Hip and Ridge shingles on all hips and ridges, Elk Starter Strip along all rake and eave edges, an Elk ventilation system, and Elk All-Climate Self-Adhering Underlayment in all valleys. Additionally, Elk All-Climate Self-Adhering Underlayment is required along the rake and eave edges of the roof in and north of the states of VA, KY, MO, KS, CO, UT, NV, & OR.
***For a limited Wind Warranty up to 110 mph for Prestique Gallery Collection, Prestique Plus, or 90 mph for Prestique I or Grandé, at least six (6) properly placed NAILS and Elk Starter Strip shingles are required. See application instructions printed on the shingle wrapper for additional requirements.

Specifications

Scope: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color). Hip and ridge type to be Elk Seal-A-Ridge with formula *FLX*.

All exposed metal surfaces (flashing, vents, etc.) to be painted with matching Elk roof accessory paint.

Preparation of Roof Deck: Roof deck to be dry, well-seasoned 1" x 6" (25.4mm x 152.4mm) boards; exterior-grade plywood (exposure 1 rated sheathing) at least 3/8" (9.525mm) thick conforming to the specifications of the American Plywood Association; 7/16" (11.074mm) oriented strandboard; or chipboard. Most fire retardant plywood decks are NOT approved substrates for Elk shingles. Consult Elk Field Service for application specifications over other decks and other slopes.

Materials: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater: apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. For Low slopes[4" per foot (101.6/304.8mm) to a minimum of 2" per foot (50.8/304.8mm)], use two plies of underlayment overlapped a minimum of 19". Fasteners shall be of sufficient length and holding power for securing material as required by the application instructions printed on shingle wrapper.

For areas where algae is a problem, shingles shall be (name) with StainGuard treatment, as manufactured by the Elk Tuscaloosa plant. Hip and ridge type to be Seal-A-Ridge with formula *FLX* with StainGuard treatment.

Complete application instructions are published by Elk and printed on the back of every shingle bundle. All warranties are contingent upon the correct installation as shown on the instructions. These instructions are the minimum required to meet Elk application requirements. In some areas, building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements less than those contained in its application instructions.

For specifications in CSI format, call 800.354.SPEC (7732) or e-mail specinfo@elkcorp.com.

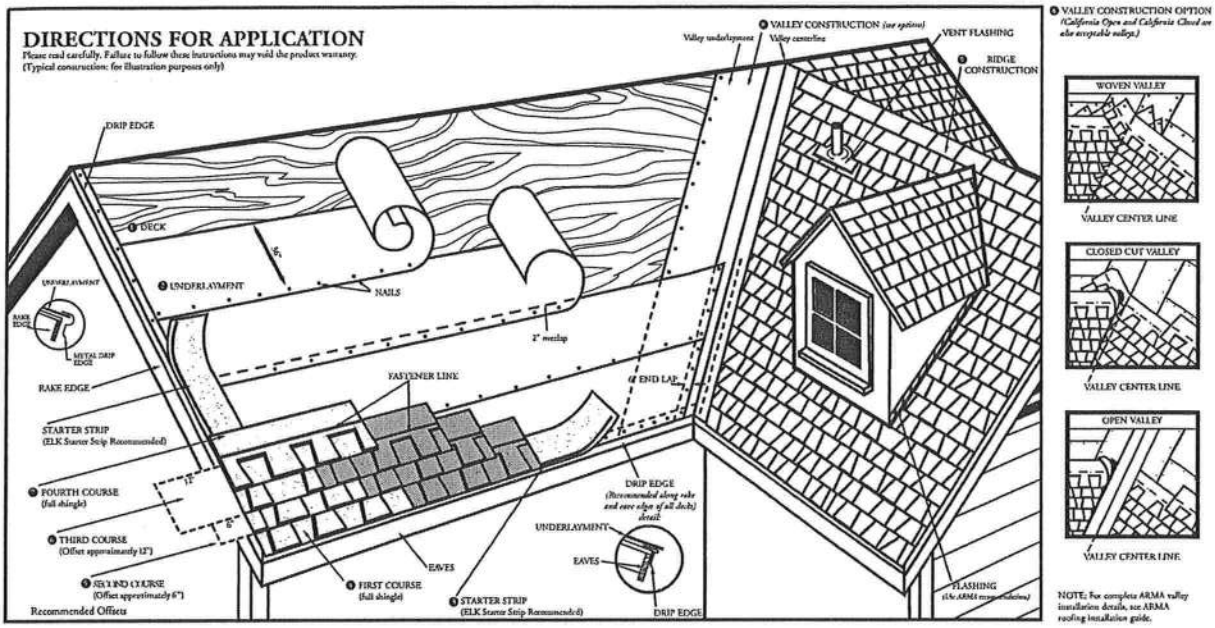
Southeast & Atlantic Office:
800.945.5551

Corporate Headquarters:
800.354.7732

Plant Location:
800.945.5545

ELK
The Premium Choice
www.elkcorp.com

SS00T 06/04



DIRECTIONS FOR APPLICATION

These application instructions are the minimum required to meet Elk's application requirements. Your failure to follow these instructions may void the product warranty. In some areas, the building codes may require additional application techniques or methods beyond our instructions. In these cases, the local code must be followed. Under no circumstances will Elk accept application requirements that are less than those printed here. Shingles should not be jammed tightly together. All attics should be properly ventilated. Note: It is not necessary to remove tape on back of shingle.

❶ DECK PREPARATION

Roof decks should be dry, well-seasoned 1" x 6" boards or exterior grade plywood minimum 3/8" thick and conform to the specifications of the American Plywood Association or 7/16" oriented strandboard, or 7/16" chipboard.

❷ UNDERLAYMENT

Apply underlayment (Non-Perforated No. 15 or 30 asphalt saturated felt). Elk Versashield® or self adhering underlayment is also acceptable. Cover drip edge at eaves only.

For low slope(2/12 up to 4/12), completely cover the deck with two plies of underlayment overlapping a minimum of 19". Begin by fastening a 19" wide strip of underlayment placed along the eaves. Place a full 36" wide sheet over the starter, horizontally placed along the eaves and completely overlapping the starter strip.

EAVE FLASHING FOR ICE DAMS (ASK A ROOFING CONTRACTOR, REFER TO ARMA MANUAL OR CHECK LOCAL CODES)

For standard slope (4/12 to less than 21/12), use coated roll roofing of no less than 50 pounds over the felt underlayment extending from the eave edge to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

For low slope (2/12 up to 4/12), use a continuous layer of asphalt plastic cement between the two plies of underlayment from the eave edge up roof to a point at least 24" beyond the inside wall of the living space below or one layer of a self-adhered eave and flashing membrane.

Consult the Elk Technical Services Department for application specifications over other decks and other slopes.

❸ STARTER SHINGLE COURSE

USE AN ELK STARTER STRIP OR THE HEADLAP OF A STRIP SHINGLE WITH THE ADHESIVE STRIP POSITIONED AT THE EAVE EDGE. With at least 3" trimmed from the end of the first shingle, start at the rake edge overhanging the eave and rake edges 1/2" to 3/4". Fasten 2" from the lower edge and 1" from each side.

❹ FIRST COURSE

Start at rake and continue course with full shingles laid flush with the starter course. Shingles may be applied with a course alignment of 45° on the roof

❺ SECOND COURSE

Offset the second course of shingles with respect to the first by approximately 6". Other offsets are approved if greater than 4".

❻ THIRD COURSE

Offset the next course by 6" with respect to the second course, or consistent with the original offset.

❼ FOURTH COURSE

Start at the rake and continue with full shingles across roof.

FIFTH AND SUCCEEDING COURSES.

Repeat application as shown for second, third, and fourth courses. Do not rack shingles straight up the roof. Offsets may be adjusted around valleys and penetrations.

❽ VALLEY CONSTRUCTION

Open, woven and closed cut valleys are acceptable when applied by Asphalt Roofing Manufacturing Association (ARMA) recommended procedures. For metal valleys, use 36" wide vertical underlayment prior to applying metal flashing (secure edge with nails). No nails are to be within 6" of valley center.

❾ RIDGE CONSTRUCTION

For ridge construction Elk recommends Class "A" Z²Ridge or Seal-A-Ridge® with formula *FLX*™ or RidgeCrest® with *FLX* (See ridge package for installation instructions). Vented RidgeCrest or 3-tab shingles are also approved.

FASTENERS

While nailing is the preferred method for Elk shingles, Elk will accept fastening methods according to the following instructions.

Using the fastener line as a reference, nail or staple the shingle in the double thickness common bond area. For shingles without a fastener line, nails or staples must be placed between and/or in the sealant dots.

NAILS: Corrosive resistant, 3/8" head, minimum 12-gauge roofing nails. Elk recommends 1-1/4" for new roofs and 1-1/2" for roof-overs. In cases where you are applying shingles to a roof that has an exposed overhang, for new roofs only, 3/4" ring shank nails are allowed to be used from the eave's edge to a point up the roof that is past the outside wall line. 1" ring shank nails allowed for re-roof.

STAPLES: Corrosive resistant, 16-gauge minimum, crown width minimum of 15/16". Note: An improperly adjusted staple gun can result in raised staples that can cause a fish-mouthed appearance and can prevent sealing.

Fasteners should be long enough to obtain 3/4" deck penetration or penetration through deck, whichever is less. This product meets the requirements of the IRC 2003 code when fastened with 4 nails.

MANSARD APPLICATIONS

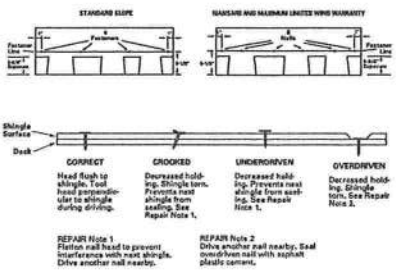
Correct fastening is critical to the performance of the roof. For slopes exceeding 60° (or 21/12) use six fasteners per shingle. Locate fasteners in the fastener area 1" from each side edge with the remaining four fasteners equally spaced along the length of the double thickness (laminated) area. Only fastening methods according to the above instructions are acceptable.

LIMITED WIND WARRANTY

- For a Limited Wind Warranty, all Prestique and Raised Profile™ shingles must be applied with 4 properly placed fasteners, or in the case of mansard applications, 6 properly placed fasteners per shingle.
- For a Limited Wind Warranty up to 110 MPH for Prestique Gallery Collection or Prestique Plus or 90 MPH for Prestique I, shingles must be applied with 6 properly placed NAILS per shingle. SHINGLES APPLIED WITH STAPLES WILL NOT QUALIFY FOR THIS ENHANCED LIMITED WIND WARRANTY. Also, Elk Starter Strip shingles must be applied at the eaves and rake edges to qualify Prestique Plus, Prestique Gallery Collection and Prestique I shingles for this enhanced Limited Wind Warranty. Under no circumstances should the Elk Shingles or the Elk Starter Strip overhang the eaves or rake edge more than 3/4 of an inch.

HELP STOP BLOW-OFFS AND CALL-BACKS

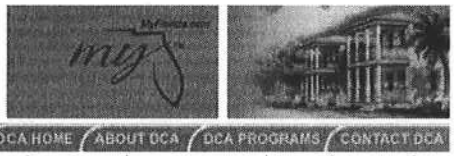
A minimum of four fasteners must be driven into the DOUBLE THICKNESS (laminated) area of the shingle. Nails or staples must be placed along – and through – the "fastener line" or on products without fastener lines, nail or staple between and in line with sealant dots. CAUTION: Do not use fastener line for shingle alignment.



Refer to local codes which in some areas may require specific application techniques beyond those Elk has specified.
All Prestique and Raised Profile shingles have a U.L.® Wind Resistance Rating when applied in accordance with these instructions using nails or staples on re-roofs as well as new construction.

CAUTION TO WHOLESALER: Careless and improper storage or handling can harm fiberglass shingles. Keep these shingles completely covered, dry, reasonably cool, and protected from the weather. Do not store near various sources of heat. Do not store in direct sunlight until applied. DO NOT DOUBLE STACK. Systematically rotate all stock so that the material that has been stored the longest will be the first to be moved out.

ELK
The Premium Choice®
www.elkcorp.com



Product Approval
USER: Public User

FL #	FL4090
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	General American Door
Address/Phone/Email	5050 Baseline Rd Montgomery, IL 60538 (630) 859-3000 ext 175 j.campbell@hoermann-gadco.com
Authorized Signature	James Campbell j.campbell@hoermann-gadco.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Sectional Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Naser R. Keyvan
Florida License	PE- 53774
Quality Assurance Entity	Intertek Testing Services NA Inc
Validated By	John E. Scates, PE
Certificate of Independence	

Referenced Standard and Year (of Standard)	**Standard**	**Year**
	ANSI / DASMA 108-2002	2002

Equivalence of Product Standards Certified By	
Sections from the Code	1707.4

Product Approval Method	Method 1 Option D
Date Submitted	02/21/2005
Date Validated	03/03/2005
Date Pending FBC Approval	03/07/2005
Date Approved	03/16/2005

Summary of Products

Go to Page GO! Page 1 / 2

FL #	Model, Number or Name	Description
4090.1	7100 and 7200	up to 16' wide, dwg J18242 rev -

Limits of Use (See Other)
Approved for use in HVHZ:
Approved for use outside HVHZ:
Impact Resistant:
Design Pressure: +/-
Other: up to +/-42.2psf, not for use in high velocity hurricane zones

Installation Instructions
Verified By:
Evaluation Reports
PTID_4090_T_evaluation.pdf
PTID_4090_T_install_4324_4420_4520_4616_4726_7624.pdf
PTID_4090_T_install_7100.pdf
PTID_4090_T_install_7400.pdf
PTID_4090_T_install_7926_7825_7524_4126.pdf
PTID_4090_T_install_9001.pdf
PTID_4090_T_install_post.pdf
PTID_4090_T_install_PRESIDENTIAL.pdf
PTID_4090_T_J15350.pdf
PTID_4090_T_J15434.pdf
PTID_4090_T_J15542.pdf
PTID_4090_T_J15654.pdf
PTID_4090_T_J15755.pdf
PTID_4090_T_J15855.pdf
PTID_4090_T_J15960.pdf
PTID_4090_T_J16035.pdf
PTID_4090_T_J16137.pdf
PTID_4090_T_J16255.pdf
PTID_4090_T_J16350.pdf
PTID_4090_T_J16434.pdf
PTID_4090_T_J16565.pdf
PTID_4090_T_J16642.pdf
PTID_4090_T_J16755.pdf
PTID_4090_T_J16850.pdf
PTID_4090_T_J16961.pdf
PTID_4090_T_J17034.pdf
PTID_4090_T_J17122.pdf
PTID_4090_T_J17242.pdf
PTID_4090_T_J17342.pdf
PTID_4090_T_J17442.pdf
PTID_4090_T_J17542.pdf
PTID_4090_T_J17637.pdf
PTID_4090_T_J17737.pdf
PTID_4090_T_J17820.pdf
PTID_4090_T_J17920.pdf
PTID_4090_T_J18037.pdf
PTID_4090_T_J18142.pdf
PTID_4090_T_J18242.pdf
PTID_4090_T_label_door.pdf
PTID_4090_T_label_post.PDF

4090.2	7100 and 7200	up to 10' wide, dwg J18142 rev -

Limits of Use (See Other)
Approved for use in HVHZ:
Approved for use outside HVHZ:
Impact Resistant:
Design Pressure: +/-
Other: up to +/-42.2psf, not for use in high

Installation Instructions
Verified By:
Evaluation Reports

velocity hurricane zones		
4090.3	7100 and 7200	up to 10' wide, dwg J18037 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-37psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.4	7100 and 7200	up to 16' wide, dwg J17920 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-20psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.5	7825, 7624, 7524, 7400, 4726, 4420, 4324, and 4126	up to 16' wide, dwg J17034 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +34.8/-37.1psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.6	7825, 7624, 7524, 7400, 4726, 4420, 4324, and 4126	up to 18' wide, dwg J15855 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +55/-57psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.7	7825, 7624, 7524, 7400, 4726, 4420, 4324, and 4126	up to 9' wide, dwg J15654 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-54psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.8	Freedom	up to 18' wide, dwg J17542 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-42.2psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.9	Freedom	up to 16' wide, dwg J17442 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-42.2psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**

4090.10	Freedom	up to 10' wide, dwg J17342 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-42.2psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.11	Freedom	up to 8' wide, dwg J17242 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-42.2psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.12	Freedom	up to 10' wide, dwg J17637 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-37psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.13	Freedom	up to 8' wide, dwg J17737 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-37psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.14	Freedom	up to 16' wide, dwg J17122 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-22.5psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.15	Freedom	up to 16' wide, dwg J17820 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-20psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.16	Presidential	up to 10' wide, dwg J16565 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +/-66psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.17	Presidential	up to 9' wide, dwg J16961 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:**		**Installation Instructions** Verified By: **Evaluation Reports**

Design Pressure: +/- **Other:** up to +61/-67psf, not for use in high velocity hurricane zones	
4090.18	Presidential	up to 10' wide, dwg J15960 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +60/-64psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.19	Presidential	up to 16' wide, dwg J16255 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +55/-61psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**
4090.20	Presidential	up to 16' wide, dwg J15755 rev -
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** up to +55/+61psf, not for use in high velocity hurricane zones		**Installation Instructions** Verified By: **Evaluation Reports**

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DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

[redacted]

Short Form
Entire House

Ahlbrandt Ref. Inc.

Job:
Date: May 16, 2007
By:

P O Box 1945, Alachua, Fl 32616 Phone: 352-225-1308 Fax: 386-418-0549

Project Information

For: Mike Roberts

Design Information

	Htg	Clg
Outside db (°F)	33	92
Inside db (°F)	70	75
Design TD (°F)	37	17
Daily range	-	M
Inside humidity (%)	-	50
Moisture difference (gr/lb)	-	52

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

HEATING EQUIPMENT

Make York
Trade Guarden
Model HP030X1321

Efficiency	8 HSPF	
Heating input		
Heating output	30000	Btuh @ 47°F
Temperature rise	29	°F
Actual air flow	933	cfm
Air flow factor	0.035	cfm/Btuh
Static pressure	0.10	in H2O
Space thermostat		

COOLING EQUIPMENT

Make York
Trade Guarden
Cond HP030X1321
Coil G2FD036S17+1TV0701

Efficiency	13 SEER	
Sensible cooling	19600	Btuh
Latent cooling	8400	Btuh
Total cooling	28000	Btuh
Actual air flow	933	cfm
Air flow factor	0.048	cfm/Btuh
Static pressure	0.10	in H2O
Load sensible heat ratio	0.69	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Dining rm	131	3391	1820	119	87
Kitchen	108	1408	2284	50	109
Bath	52	975	495	34	24
Bedrm 2	182	5143	3325	181	159
Bedrm 3	186	3195	2343	112	112
Fam rm	357	4398	4219	155	202
Master bedrm	219	3379	3010	119	144
Master bath	78	2926	1128	103	54
W.I.c.	48	1531	569	54	27
core	132	189	314	7	15

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Entire House	1494	26536	19507	933	933
Other equip loads		5651	2596		
Equip. @ 0.97 RSM			21440		
Latent cooling			9979		
TOTALS	1494	32187	31419	933	933

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Product Approval

USER: Public User

FL #	FL4645
Application Type	New
Code Version	2004
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	C.H.I. Overhead Doors
Address/Phone/Email	1485 Sunrise Drive Arthur, IL 61911 (217) 543-2135 ext 4309 canzelmo@chiohd.com
Authorized Signature	Chris Anzelmo canzelmo@chiohd.com
Technical Representative	Patrick J. Hunter
Address/Phone/Email	PO Box 260 1485 Sunrise Drive, IL 61911 (217) 543-2762 phunter@chiohd.com
Quality Assurance Representative	Jerod Price
Address/Phone/Email	1485 Sunrise Drive PO Box 260 Arthur, IL 61911 (217) 543-2135 jprice@chiohd.com
Category	Exterior Doors
Subcategory	Sectional Exterior Door Assemblies
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ☑ Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	John E. Scates, P.E.
Florida License	PE- 51737
Quality Assurance Entity	Architectural Testing, Inc.
Validated By	Gordon Thomas, P.E.
Certificate of Independence	

Referenced Standard and Year (of Standard)	**Standard**	**Year**

ANSI/DASMA 108-2002	2002
ASTM D 1929	2001
ASTM D 2843	1999
ASTM E 330-02	2002

Equivalence of Product Standards Certified By

Sections from the Code

Product Approval Method	Method 1 Option D
Date Submitted	06/09/2005
Date Validated	08/01/2005
Date Pending FBC Approval	06/20/2005
Date Approved	08/05/2005

Summary of Products

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FL #	Model, Number or Name	Description
4645.1	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation

Limits of Use (See Other)
Approved for use in HVHZ:
Approved for use outside HVHZ:
Impact Resistant:
Design Pressure: +/-
Other: C.H.I. Drawing: Z7-1007-03000 Non impact rated Design load: +35.7 / -41.0 Test load: +53.6 / -61.5 9'-1" thru 10'-0" wide

Installation Instructions
Verified By:
Evaluation Reports
PTID_4645_T_all-instructions.pdf
PTID_4645_T_Cert_of_Independence_Scates_06_09_05.pdf
PTID_4645_T_Evaluation_Report_06_09_05.pdf
PTID_4645_T_polycarbonate_building_compliance.pdf
PTID_4645_T_res-instruct.pdf
PTID_4645_T_Z1-0907-04000s.pdf
PTID_4645_T_Z1-1007-01000s.pdf
PTID_4645_T_Z1-1007-02000s.pdf
PTID_4645_T_Z1-1007-03000s.pdf
PTID_4645_T_Z1-1607-02000.pdf
PTID_4645_T_Z1-1607-04000s.pdf
PTID_4645_T_Z1-1807-01000s.pdf
PTID_4645_T_Z1-1807-02000s.pdf
PTID_4645_T_Z1-1807-03000s.pdf
PTID_4645_T_Z2-1007-01000s.pdf
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PTID_4645_T_Z4-1807-02000s.pdf
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PTID_4645_T_Z5-0907-01000.pdf
PTID_4645_T_Z5-0907-04000s.pdf
PTID_4645_T_Z5-1007-01000s.pdf
PTID_4645_T_Z5-1007-02000s.pdf

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4645.2	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z1-1007-03000 Non impact rated Design load: +12.8 / -14.8 Test load: -19.2 / -22.2 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.3	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z2-1007-03000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.4	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z3-1007-03000 Non impact rated Design load: +19.2 / -22.0 Test load: +28.8 / -33.0 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.5	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z4-1007-03000 Non impact rated Design load: +22.9 / -26.3 Test load: +34.4 / -39.5 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.6	Model: 2216, 2217 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z5-1007-03000 Non impact rated Design load: +26.9 / -30.8 Test load: +40.4 / -46.2 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**

4645.7	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z5-1807-03000 Non impact rated Design Load: +25.9 / -28.8 Test Load: +38.9 / -43.2 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.8	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z4-1807-03000 Non impact rated Design Load: +22.0 / -24.5 Test Load: +33.0 / -36.8 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.9	Model: 2216, 2217, 4216 and 5216	26 ga. min. ext. and 27 ga.min. int. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z1-1807-03000 Non impact rated Design load: +12.4 / -13.8 Test load: +18.6 / -20.7 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.10	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z2-1807-03000 Non impact rated Design load: +15.3 / -17.0 Test load: +23.0 / -25.5 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.11	Model: 2216, 2217, 4216 and 5216	26 ga. ext. min. 27 ga. int. min. with foamed in place polyurethane insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z3-1807-03000 Non impact rated Design load: +18.5 / -20.7 Test load: +27.8 / -31.1 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.12	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I.Drawing: Z5-1007-01000 Non impact rated Design Load: +26.9 / -30.8 Test Load: +40.4 / -46.2 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.13	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation

Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z1-1007-01000 Non impact rated Design load: +12.8 / -14.8 Test load: +19.2 / -22.2 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.14	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z2-1007-01000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.15	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z4-1007-01000 Non impact rated Design load: +22.9 / -26.3 Test load: +34.4 / -39.5 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.16	Model: 2250, 2251, 2240 and 2241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z7-1007-01000 Non impact rated Design load: +35.7 / -41.0 Test load: +53.6 / -61.5 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.17	Model: 2250, 2251, 4250, 4251, 2240, 2241, 4240, 4241, 5240 and 5241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z1-1807-01000 Non impact rated Design Load: +12.4 / -13.8 Test Load: +18.6 / -13.8 16'-1" thru 18'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.18	Model: 2250, 2251, 4250, 4251, 2240, 2241, 4240, 4241, 5240 and 5241	Steel pan (25 ga. min.) hollow or laid in place polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z5-0907-01000 Non impact rated Design Load: +26.9 / -30.8 Test Load: +40.4 / -46.2 Thru 9'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.19	Model: 2283, 2284, 2285 and 2286	27 ga. int. min. 27 ga. ext. min. with polystyrene insulation

Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z2-1007-02000 Non impact rated Design load: +15.9 / -18.2 Test load: +23.9 / -27.3 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**
4645.20	Model: 2283, 2284, 2285 and 2286	27 ga. int. min. 27 ga.ext. min. with polystyrene insulation
Limits of Use (See Other) **Approved for use in HVHZ:** **Approved for use outside HVHZ:** **Impact Resistant:** **Design Pressure:** +/- **Other:** C.H.I. Drawing: Z3-1007-02000 Non impact rated Design load: +19.2 / -22.0 Test load: +28.8 / -33.0 9'-1" thru 10'-0" wide		**Installation Instructions** Verified By: **Evaluation Reports**

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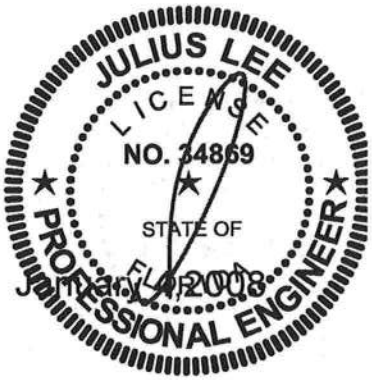
DCA Administration

Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

Product Approval Accepts:

Builders FirstSource



Project Information for: **L264527**

...	...
Lot :	8
Subdivision:	Saddle Ridge
County:	Columbia
Truss Count:	28
Design Program:	MiTek 20/20 6.3
Building Code:	FBC2004/TPI2002

Truss Design Load Information:

Gravity:	**Wind:**	
Roof (psf): 42.0	Wind Standard: ASCE 7-02	Wind Exposure: B
Floor (psf): N/A	Wind Speed (mph): 110	

Note: See the individual truss drawings for special loading conditions.

Engineer of Record: Unknown at time of Seal Date
Address: Unknown at time of Seal Date

Truss Design Engineer: Julius Lee, PE Florida P.E. License No. 34869
Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

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 1-2002 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. The Truss Design Engineer's responsibility relative to this structure consists solely of the design of the individual truss components and does not include the design of any additional structural elements including but not limited to continuous lateral bracing elelments in the web and chord planes. See Florida Administrative Code 61G15-31.003 sections 3 c) & 5 and Chapter 2 of the National Design Standard for Metal Plate Connected Wood Truss Construction ANSI/TPI 1-2002 for additional information on the responsibilities of the delegated "Truss Design Engineer". Builders FirstSource and Julius Lee, PE do not accept any additional delegations beyond the scope of work described in the referenced documents above.

No.	Drwg. #	Truss ID	Seal Date
1	J1921191	CJ1	1/4/08
2	J1921192	CJ3	1/4/08
3	J1921193	CJ5	1/4/08
4	J1921194	EJ7	1/4/08
5	J1921195	EJ7C	1/4/08
6	J1921196	HJ9	1/4/08
7	J1921197	T01	1/4/08
8	J1921198	T02	1/4/08
9	J1921199	T03	1/4/08
10	J1921200	T04	1/4/08
11	J1921201	T05	1/4/08
12	J1921202	T06	1/4/08
13	J1921203	T07	1/4/08
14	J1921204	T08	1/4/08
15	J1921205	T09	1/4/08
16	J1921206	T10	1/4/08
17	J1921207	T11	1/4/08
18	J1921208	T12	1/4/08
19	J1921209	T13	1/4/08
20	J1921210	T14	1/4/08
21	J1921211	T15	1/4/08
22	J1921212	T15G	1/4/08
23	J1921213	T16	1/4/08
24	J1921214	T17	1/4/08
25	J1921215	T18	1/4/08
26	J1921216	T19	1/4/08
27	J1921217	T20	1/4/08
28	J1921218	T20G	1/4/08

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921191
L264527	CJ1	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 13:48:58 2007 Page 1

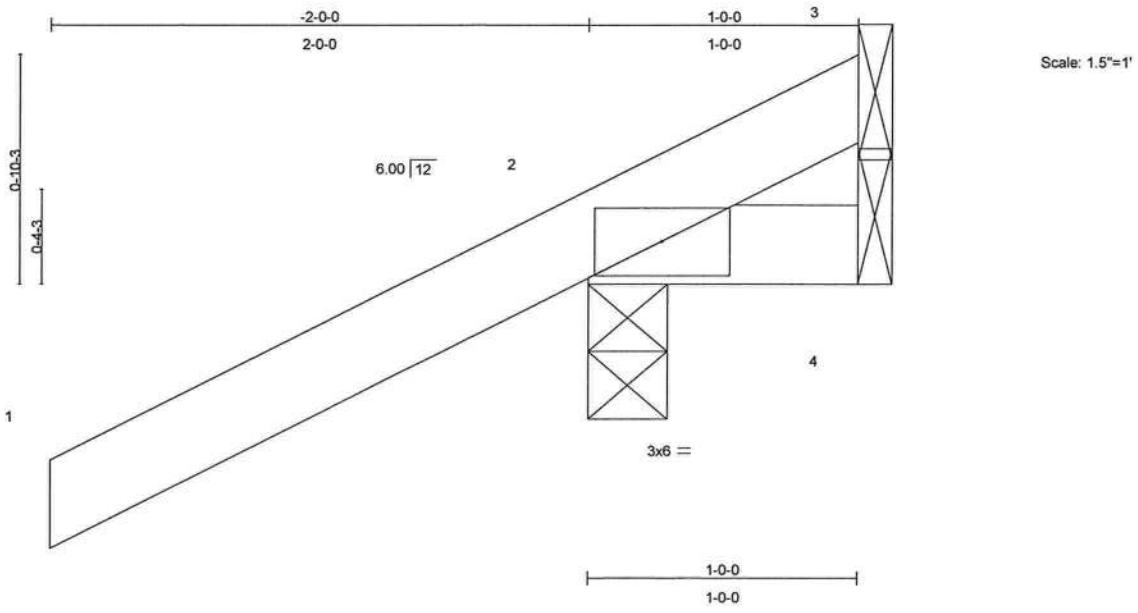


Plate Offsets (X,Y): [2:0-0-0,0-0-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.28	Vert(LL)	-0.00	2	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.01	Vert(TL)	-0.00	2	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 7 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=256/0-3-8, 4=5/Mechanical, 3=-90/Mechanical
Max Horz 2=87(load case 6)
Max Uplift 2=-286(load case 6), 4=-9(load case 4), 3=-90(load case 1)
Max Grav 2=256(load case 1), 4=14(load case 2), 3=127(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-69/75
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi

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January 4,2008

Continued on page 2

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921191
L264527	CJ1	JACK	8	1	Job Reference (optional)

NOTES

4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 286 lb uplift at joint 2, 9 lb uplift at joint 4 and 90 lb uplift at joint 3.

LOAD CASE(S) Standard

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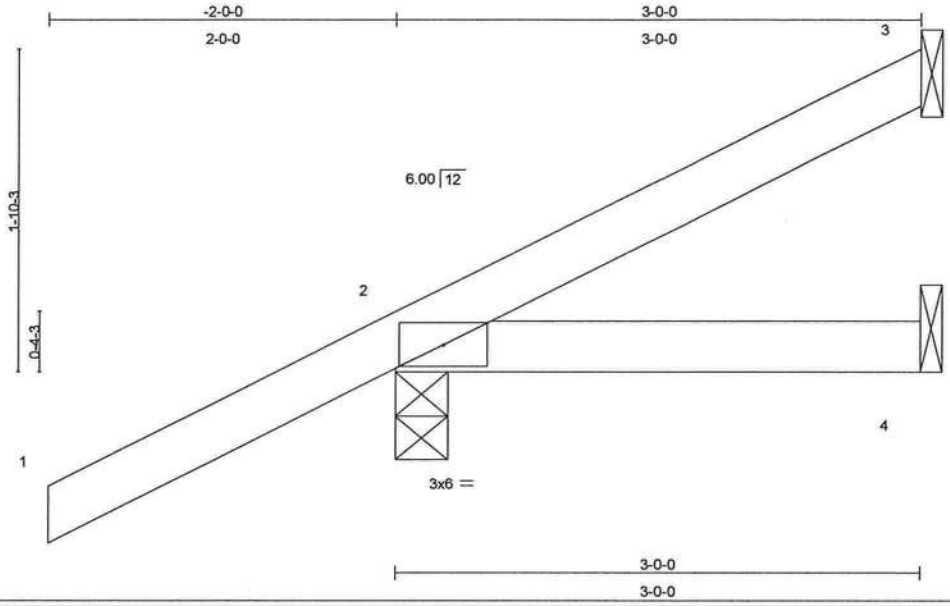
January 4,2008

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921192
L264527	CJ3	JACK	8	1	Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 13:48:59 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.01	2-4	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.08	Vert(TL)	-0.01	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 13 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=31/Mechanical, 2=250/0-3-8, 4=14/Mechanical
Max Horz 2=132(load case 6)
Max Uplift 3=-28(load case 7), 2=-238(load case 6), 4=-27(load case 4)
Max Grav 3=31(load case 1), 2=250(load case 1), 4=42(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-57/7
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 28 lb uplift at joint 3, 238 lb uplift at joint 2 and 27 lb uplift at joint 4.

Continued on page 2

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January 4,2008

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921192
L264527	CJ3	JACK	8	1	Job Reference (optional)

LOAD CASE(S) Standard

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Truss Design Engineer
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Boynton Beach, FL 33435

January 4,2008

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921193
L264527	CJ5	JACK	8	1	Job Reference (optional)

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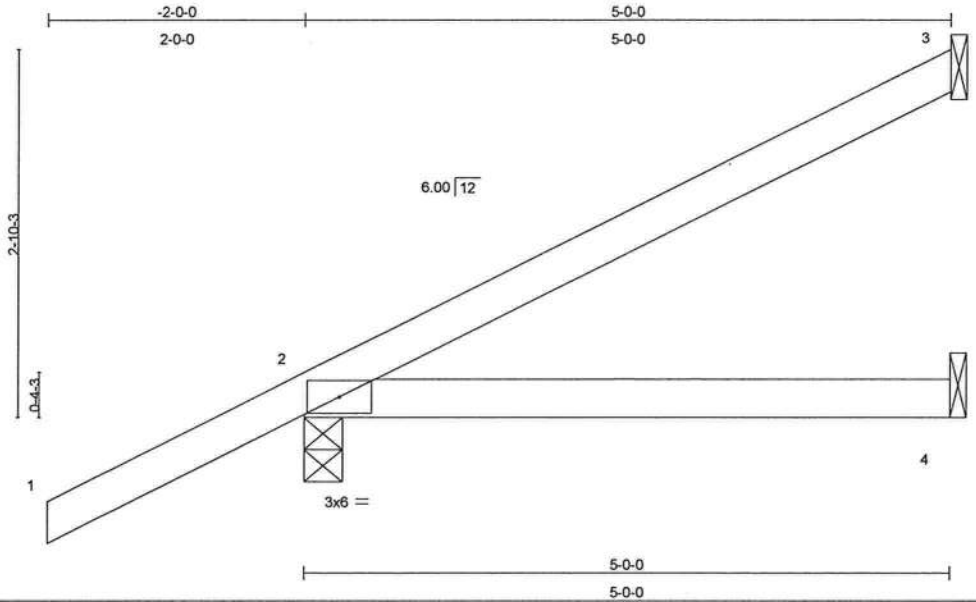

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.29	Vert(LL)	0.09	2-4	>663	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.24	Vert(TL)	-0.05	2-4	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 19 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=103/Mechanical, 2=295/0-3-8, 4=24/Mechanical
Max Horz 2=178(load case 6)
Max Uplift 3=-87(load case 6), 2=-260(load case 6), 4=-46(load case 4)
Max Grav 3=103(load case 1), 2=295(load case 1), 4=72(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-88/36
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.14

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 87 lb uplift at joint 3, 260 lb uplift at joint 2 and 46 lb uplift at joint 4.

Continued on page 2

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January 4,2008

Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921193
L264527	CJ5	JACK	8	1	Job Reference (optional)

LOAD CASE(S) Standard

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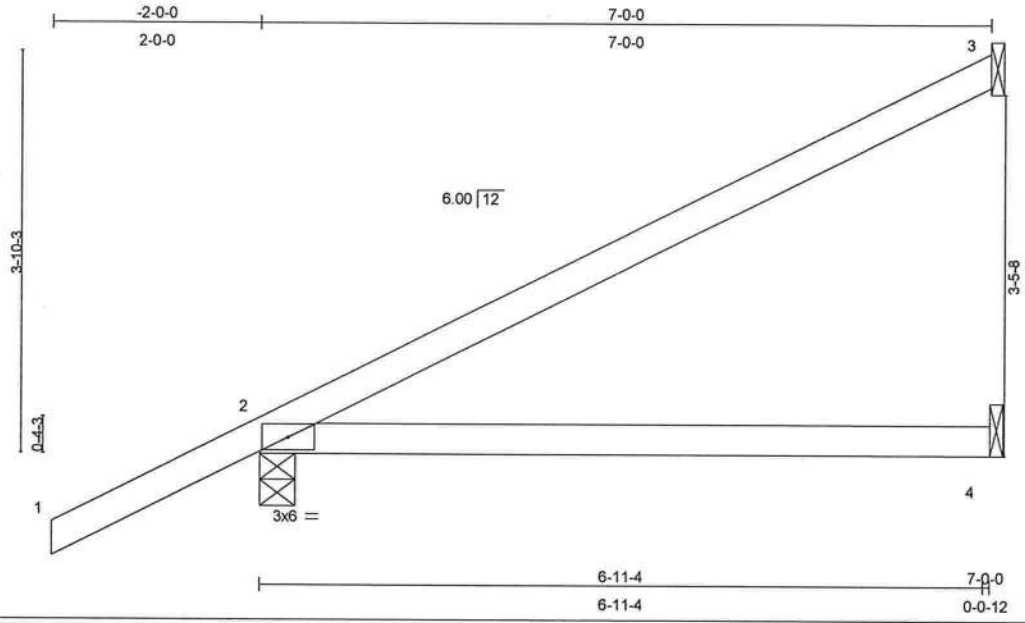
January 4,2008

Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	EJ7	JACK	26	1	J1921194
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Apr 19 2006 MiTek Industries, Inc. Fri Jan 04 16:29:03 2008 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	0.32	2-4	>253	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.45	Vert(TL)	-0.16	2-4	>506	240		
BCLL	10.0 *	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	3	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 26 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=154/Mechanical, 2=352/0-4-0, 4=44/Mechanical
Max Horz 2=161(load case 6)
Max Uplift 3=-94(load case 6), 2=-225(load case 6), 4=-64(load case 5)
Max Grav 3=154(load case 1), 2=352(load case 1), 4=93(load case 2)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-131/54
BOT CHORD 2-4=0/0

JOINT STRESS INDEX
2 = 0.57

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

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2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 94 lb uplift at joint 3, 225 lb uplift at joint 2 and 64 lb uplift at joint 4.

LOAD CASE(S) Standard

January 4,2008

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January 4,2008

Warning - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE

This design is based only upon the parameters shown for an individual building component that is installed and loaded vertically and fabricated with MiTek connectors. Applicability of design parameters and proper incorporation of component into the overall building structure, including all temporary and permanent bracing, is the responsibility of building designer and / or contractor per ANSI / TPI 1 as referenced by the building code. For general guidance regarding storage, delivery, erection and bracing, consult BCSI-1 or HIB-91 Handling Installing and Bracing Recommendation available from the Wood Truss Council of America, 1 WTCA Center, 6300 Enterprise Lane, Madison, WI 53719 or the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719

Builders FirstSource

Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	EJ7C	COMMON	3	1	J1921195
					Job Reference (optional)

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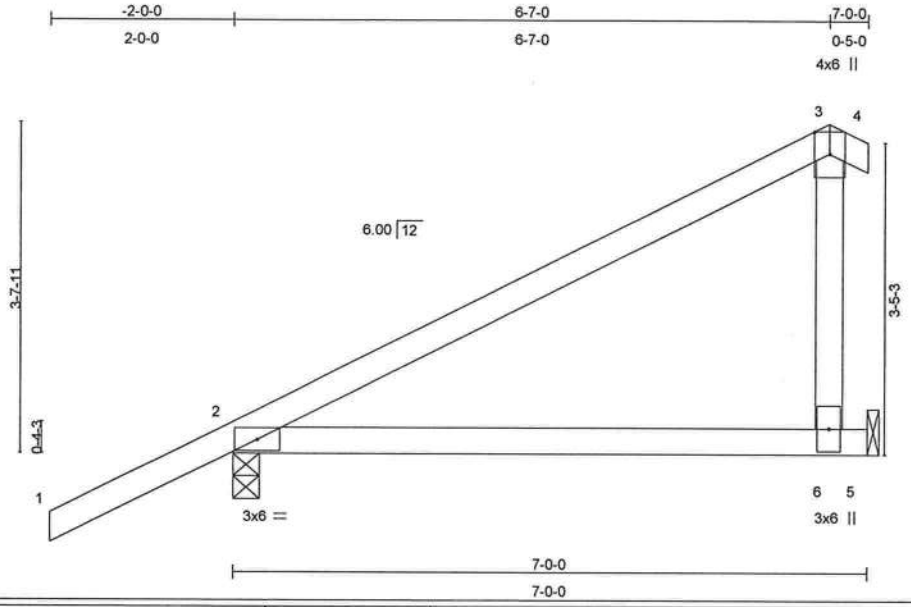

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.56	Vert(LL)	-0.04	2-6	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.14	Vert(TL)	-0.08	2-6	>961	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.00	Horz(TL)	0.00	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 30 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=351/0-3-8, 5=202/Mechanical
Max Horz 2=147(load case 6)
Max Uplift 2=-146(load case 6), 5=-69(load case 6)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/47, 2-3=-168/4, 3-4=0/10, 3-6=-156/209
BOT CHORD 2-6=-75/79, 5-6=0/0

JOINT STRESS INDEX
2 = 0.42, 3 = 0.51 and 6 = 0.38

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) -2-0-0 to 7-0-0 zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 2 and 69 lb uplift at joint 5.

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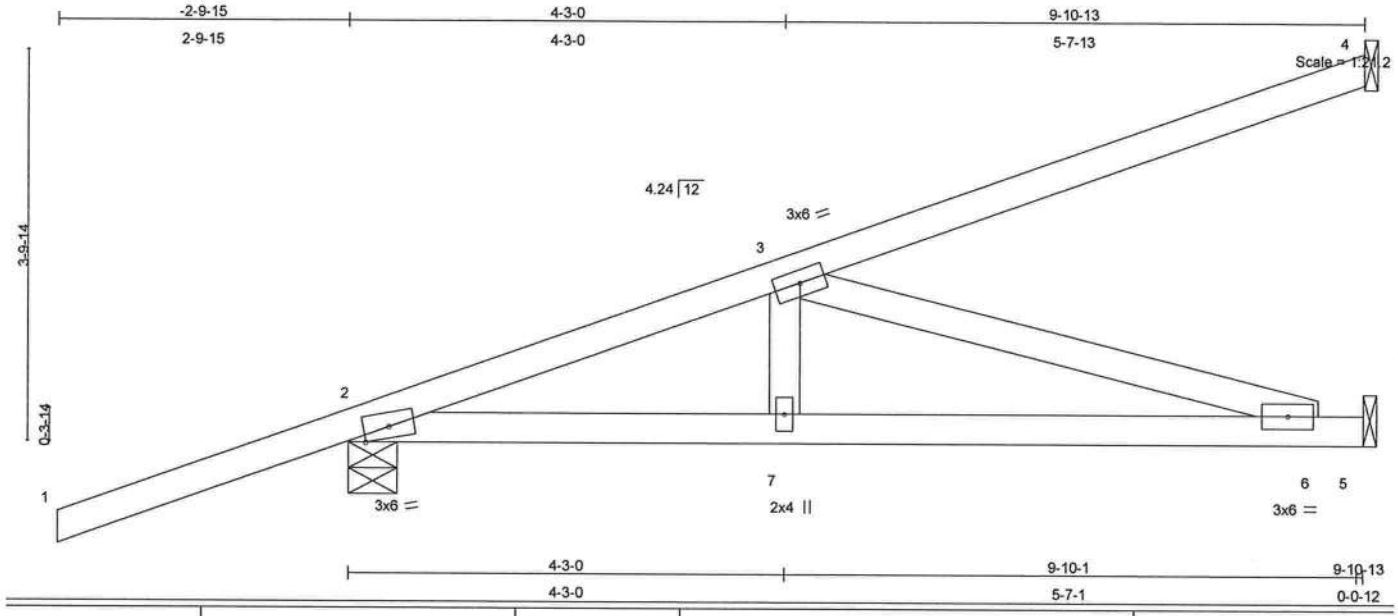
January 4,2008

LOAD CASE(S) Standard

Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	HJ9	MONO TRUSS	4	1	J1921196
					Job Reference (optional)

Builders FirstSource, Lake City, Fl 32055 — 6.300 s Feb 15 2006 MiTek Industries, Inc. Thu Dec 27 13:49:01 2007 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.61	Vert(LL)	0.10	6-7	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.40	Vert(TL)	-0.12	6-7	>984	240		
BCLL	10.0	* Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.01	5	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 45 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-11-9 oc bracing.

REACTIONS (lb/size) 4=268/Mechanical, 2=456/0-5-11, 5=218/Mechanical
Max Horz 2=269(load case 3)
Max Uplift 4=-233(load case 3), 2=-401(load case 3), 5=-181(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/50, 2-3=-647/363, 3-4=-105/65
BOT CHORD 2-7=-535/599, 6-7=-535/599, 5-6=0/0
WEBS 3-7=-94/190, 3-6=-624/558

JOINT STRESS INDEX
2 = 0.77, 3 = 0.22, 6 = 0.17 and 7 = 0.13

NOTES
1) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60.
2) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 233 lb uplift at joint 4, 401 lb uplift at joint 2 and 181 lb uplift at joint 5.

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NOTES

5) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54
   Trapezoidal Loads (plf)
   Vert: 2=-3(F=25, B=25)-to-4=-134(F=-40, B=-40), 2=-0(F=5, B=5)-to-5=-25(F=-7, B=-7)

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Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	T01	HIP	1	2	J1921197

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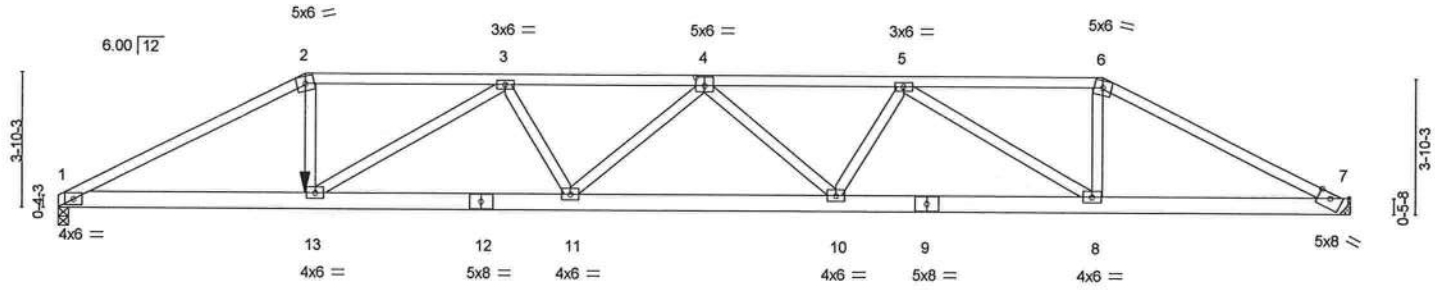
Scale = 1:61.8



Simpson HGUS26-2

Plate Offsets (X,Y): [4:0-3-0,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.24	10-11	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.42	Vert(TL)	-0.47	10-11	>934	240		
BCLL	10.0 *	Rep Stress Incr	NO	WB	0.39	Horz(TL)	0.10	7	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 391 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.1D
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-14 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=2401/0-3-8, 7=2575/Mechanical
Max Horz 1=44(load case 4)
Max Uplift 1=-743(load case 4), 7=-759(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-4992/1603, 2-3=-4459/1485, 3-4=-6531/2141, 4-5=-6448/2096, 5-6=-4349/1391, 6-7=-4866/1500
BOT CHORD 1-13=-1428/4388, 12-13=-2082/6275, 11-12=-2082/6275, 10-11=-2257/6852, 9-10=-1992/6182, 8-9=-1992/6182, 7-8=-1292/4280
WEBS 2-13=-511/1703, 3-13=-2243/807, 3-11=-71/565, 4-11=-464/234, 4-10=-577/294, 5-10=-99/584, 5-8=-2264/849, 6-8=-460/1631

JOINT STRESS INDEX
1 = 0.77, 2 = 0.52, 3 = 0.44, 4 = 0.49, 5 = 0.44, 6 = 0.54, 7 = 0.47, 8 = 0.37, 9 = 0.64, 10 = 0.30, 11 = 0.30, 12 = 0.66 and 13 = 0.39

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

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Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	T01	HIP	1	2	J1921197
					Job Reference (optional)

NOTES

3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS; Lumber DOL=1.60 plate grip DOL=1.60.
5) Provide adequate drainage to prevent water ponding.
6) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 743 lb uplift at joint 1 and 759 lb uplift at joint 7.

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.25, Plate Increase=1.25
   Uniform Loads (plf)
   Vert: 1-2=-54, 2-6=-118(F=-64), 6-7=-54, 1-13=-10, 8-13=-22(F=-12), 7-8=-85(F=-75)
   Concentrated Loads (lb)
   Vert: 13=-411(F)

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Job	Truss	Truss Type	Qty	Ply	LOT 8
L264527	T02	HIP	1	1	J1921198
					Job Reference (optional)

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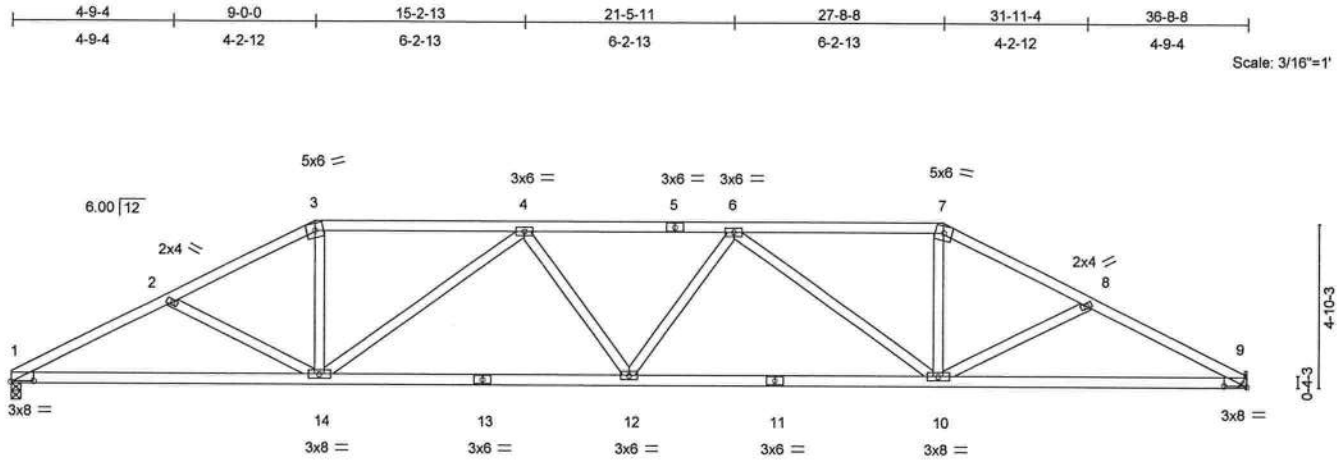

Simpson HTU26

Plate Offsets (X,Y): [1:0-8-0,0-0-6], [9:0-8-0,0-0-6]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.30	Vert(LL)	0.23	12	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.56	Vert(TL)	-0.39	10-12	>999	240		
BCLL	10.0	* Rep Stress Incr	YES	WB	0.74	Horz(TL)	0.13	9	n/a	n/a		
BCDL	5.0	Code FBC2004/TPI2002		(Matrix)							Weight: 177 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-11-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 6-0-6 oc bracing.

REACTIONS (lb/size) 1=1165/0-3-8, 9=1165/Mechanical
Max Horz 1=-58(load case 4)
Max Uplift 1=-225(load case 5), 9=-225(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-2239/1229, 2-3=-2016/1107, 3-4=-1779/1050, 4-5=-2321/1317, 5-6=-2321/1317, 6-7=-1779/1050, 7-8=-2016/1107, 8-9=-2239/1229
BOT CHORD 1-14=-1021/1949, 13-14=-1104/2291, 12-13=-1104/2291, 11-12=-1104/2291, 10-11=-1104/2291, 9-10=-1021/1949
WEBS 2-14=-215/238, 3-14=-272/583, 4-14=-722/357, 4-12=0/164, 6-12=0/164, 6-10=-722/357, 7-10=-272/583, 8-10=-215/238

JOINT STRESS INDEX
1 = 0.66, 2 = 0.33, 3 = 0.48, 4 = 0.40, 5 = 0.48, 6 = 0.40, 7 = 0.48, 8 = 0.33, 9 = 0.66, 10 = 0.56, 11 = 0.81, 12 = 0.40, 13 = 0.81 and 14 = 0.56

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=20ft; TCDL=4.2psf; BCDL=3.0psf; Category II; Exp B; enclosed; MWFRS and C-C Exterior(2) zone; Lumber DOL=1.60 plate grip DOL=1.60. This truss is designed for C-C for members and forces, and for MWFRS for reactions specified.

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Job	Truss	Truss Type	Qty	Ply	LOT 8 J1921198
L264527	T02	HIP	1	1	Job Reference (optional)

NOTES

3) Provide adequate drainage to prevent water ponding.
4) *This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
5) All bearings are assumed to be SYP No.2 crushing capacity of 565.00 psi
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 225 lb uplift at joint 1 and 225 lb uplift at joint 9.

LOAD CASE(S) Standard

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