DATE 03/08/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000024205

APPLICANT FREDRICK HAMMOND PHONE 352-283-0000

ADDRESS PO BOX 1201 NEWBERRY FL 32669

OWNER WILLIAM & JOYCE CARTER PHONE 497-1298

ADDRESS 968 SW BLUFF DR FORT WHITE FL 32038

CONTRACTOR FREDRICK HAMMOND PHONE 352-283-0000

LOCATION OF PROPERTY 47 S, R HOLLINGSWORTH BLUFF, R BLUFF TO 968

ON THE LEFT SIDE

TYPE DEVELOPMENT GARAGE ESTIMATED COST OF CONSTRUCTION 20000.00

HEATED FLOOR AREA TOTAL AREA 720.00 HEIGHT 24.60 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 10/12 FLOOR SLAB

LAND USE & ZONING ESA-2 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 35.00 REAR 10.00 SIDE 10.00

NO. EX.D.U. 1 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 06-006

PARCEL ID 18-7S-16-04236-062 SUBDIVISION CEDAR SPRINGS SHORES

LOT 33 BLOCK PHASE UNIT 5 TOTAL ACRES 1.50

		CGC017682		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
EXISTING	06-0131-E	BK	JH	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: MINIMUM FLOOR ELEVATION SET @ 37 FEET, ONE FOOT RISE LETTER

INCLUDED (ORIGIONAL IN PERMIT #24204), BEFORE POWER FINISED FLOOR

ELEVATION CERTIFICATE NEEDED, V0235 APPROVED Check # or Cash 4134

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 $ 100.00 CERTIFICATION FEE $ 3.60 SURCHARGE FEE $ 3.60

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

FLOOD DEVELOPMENT FEE $ 50.00 FLOOD ZONE FEE $ 25.00 CULVERT FEE $ _____ **TOTAL FEE** 182.20

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Clk# 4134 (182.20) Revised 9-23-04

For Office Use Only Application # 0602-41 Date Received 2-13-06 By LH Permit # 24205

Application Approved by - Zoning Official BLK Date 03.03.06 Plans Examiner OK JTH Date 3-6-06

Flood Zone AE Development Permit YES Zoning ESA 2 Land Use Plan Map Category ESA

Comments V0235 approved 06-006

Sante Fe 36 ft flood 37 ft 1st floor 0255B No Flooding

Applicants Name FREDRICK G. HAMMOND Phone 352-283-0000

Address P.O. Box 1201 Newberry FL. 32669

Owners Name WILLIAM B. & JOYCE W. CARTER Phone 386-497-1298

911 Address 968 SW BLUFF DR. FT WHITE, FL 32038

Contractors Name FREDRICK G. HAMMOND / Hammond Building + Design Phone 352-283-0000

Address P.O. Box 1201 Newberry FL 32669

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address WILLIAM N. JOSIAM PE 1605 W. UNIVERSITY AVE. GAINESVILLE FL 32669

Mortgage Lenders Name & Address AMERIS 25365 W. NEWBERRY RD NEWBERRY, FL. 32669

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

Property ID Number 18 7S 16 04236 062 Estimated Cost of Construction $20,000

Subdivision Name CEDAR SPRINGS SHORES Lot 33 Block ____ Unit 5 Phase ____

Driving Directions SOUTH FROM FT WHITE ON S.R. 47 TO HALLINGSWORTH RD, RIGHT ON HALLINGSWORTH TO BLUFF, RIGHT ON BLUFF TO 968 BLUFF ON LEFT SIDE OF ROAD

Type of Construction RESIDENTIAL, WOOD FRAME Garage Number of Existing Dwellings on Property 1

Total Acreage 1.15 Lot Size XXX X685 Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 69' Side 11' Side 38.7 Rear 584'

Total Building Height 24'-10" Number of Stories 1 Heated Floor Area 0 Roof Pitch 10/12 W/ATTIC

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.

OWNERS AFFIDAVIT: 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.

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CGC 017682

Competency Card Number ____

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY STAMP/SEAL

LAURIE HODSON
MY COMMISSION # DD 333503
EXPIRES: June [illegible], 2009
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me this 13 day of February 20 06

Personally known ____ or Produced Identification ____

Notary Signature

Columbia County Building Department
Flood Development Permit

Development Permit
F 023- 06-006

DATE 03/08/2006 BUILDING PERMIT NUMBER 000024205

APPLICANT FREDRICK HAMMOND PHONE 352-283-0000

ADDRESS PO BOX 1201 NEWBERRY FL 32669

OWNER WILLIAM & JOYCE CARTER PHONE 497-1298

ADDRESS 968 SW BLUFF DR FORT WHITE FL 32038

CONTRACTOR FREDRICK HAMMOND PHONE 352-283-0000

ADDRESS _____ _____ FL _____

SUBDIVISION CEDAR SPRINGS SHORES Lot 33 Block ____ Unit ____ Phase ____

TYPE OF DEVELOPMENT GARAGE PARCEL ID NO. 18-7S-16-04236-062

FLOOD ZONE AE BY BK 1-6-88 FIRM COMMUNITY #. 120070 - PANEL #. 255 B

FIRM 100 YEAR ELEVATION 36' PLAN INCLUDED (YES) or NO

REQUIRED LOWEST HABITABLE FLOOR ELEVATION 37'

IN THE REGULATORY FLOODWAY YES or (NO) RIVER Santa fe

SURVEYOR / ENGINEER NAME William Freeman LICENSE NUMBER 4701

✓ ONE FOOT RISE CERTIFICATION INCLUDED

_____ ZERO RISE CERTIFICATION INCLUDED

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

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED _____

INSPECTED DATE _____ BY _____

COMMENTS _____

_____

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

COLUMBIA COUNTY FLORIDA

PERMIT EXPIRES ONE YEAR FROM THE DATE OF ISSUANCE

Freeman Design Group inc
Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

2/24/2006

Columbia County Building Department

To whom it may concern,

RE: Permit **# 0602-40 and 0602-41**

I have reviewed the conditions for the referenced property. The property is located in a flood zone (Zone AE). The required floor elevation (37.0') shall be set 1' above the 100 year flood elevation. The 100 year flood elevation is established at 36.0'. Please find a copy of the calculations verifying the flood rise to be less than 1'-0". If you have any questions, please call me at (386) 758-4209.

Sincerely,

William H. Freeman

William Freeman, P.E.
Certificate of Authorization # 00008701

Freeman Design Group, Inc.
161 NW Madison St., Ste. # 102
Lake City, FL 32055
(386) 758-4209

1-ft Rise Flood Certification Calculations			
Project: Fred Hammond (Permit #0602-40 and #0602-41)			
Home and Detached Garage			
Footing Area (sf):	1500	30'x50' slab	1500.00 sf slab
House			
Rise Ht(ft):	3		
Footing Area (sf):	720	24'x30' slab	720.00 sf slab
Garage			
Rise Ht(ft):	3		
Contributing Area:	1.33	acres -------->	57,934.80 sf
New Ftg Area:			2220.000 sf
Net Land Area (contributing minus new):			55,714.80 sf
Slab Volume Displacement:			6660.00 cf
Amount of Rise (Slab volume / land area) x 12:			1.434 in

Base Flood Elevation	36.0 ft
Min. Finished Floor Elevation	37.0 ft

William H. Freeman
CERT. of AUTH. 00008701

2/24/2006

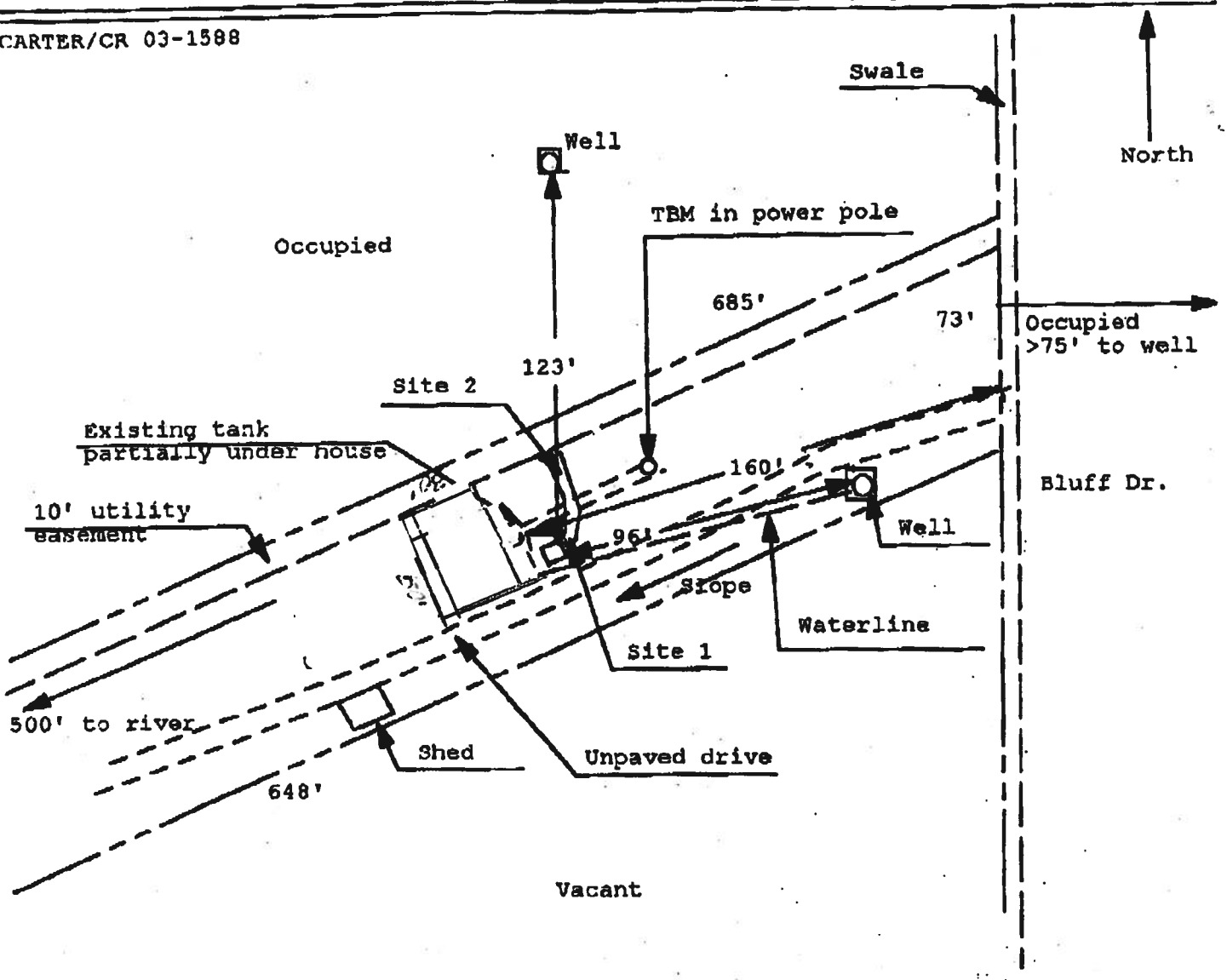
See Application 0602-40 for dwelling information application 0602-41 for Detached garage

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0131-E

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

CARTER/CR 03-1588



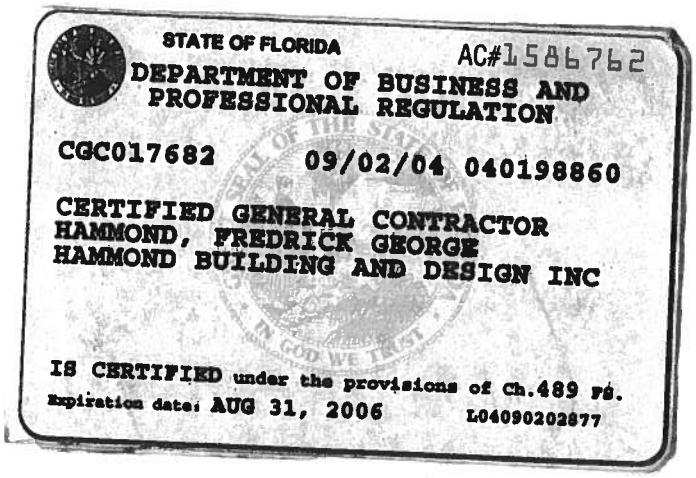
Site Plan Submitted By OWNER Date 2-13-06

Plan Approved / Not Approved Date 2-15-06

By [signature] EHS CPHU

Notes: _____

VARIOUS V VOIDS



STATE OF FLORIDA

AC#1586762

DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

CGC017682 09/02/04 040198860

CERTIFIED GENERAL CONTRACTOR
HAMMOND, FREDRICK GEORGE
HAMMOND BUILDING AND DESIGN INC

IS CERTIFIED under the provisions of Ch.489 FS.

Expiration date: AUG 31, 2006 L04090202877

GEO-TECH, INC.

ENGINEERING CONSULTANTS IN GEOTECHNICAL • ENVIRONMENTAL • CONSTRUCTION MATERIALS TESTING

March 1, 2006
Project No. 062696.01G

Bill Carter
968 SW Bluff Drive
Fort White, FL 32038

Attention: Mr. Bill Carter

Project: Proposed Residence and Garage, Cedar Springs Shores, Lot 33 - Unit 5
Columbia County, Florida
Soil Bearing Capacity

Dear Mr. Carter:

As requested, Geo-Technologies, Inc. (Geo-Tech) has visited the above referenced project site. The purpose of our visit was to perform static cone penetrometer readings in the area that the proposed residence will be placed. Six (6) auger borings with static cone penetrometer readings were performed to four (4) feet below site grade. Based on the results of the penetrometer readings, the maximum allowable soil bearing pressures found at these locations are approximately 2, 500 pounds per square foot based.

Geo-Technologies, Inc. (Geo-Tech) trust this report is sufficient to meet your immediate needs. Should you have any questions concerning this report or if we may be of further assistance, please do not hesitate to contact the undersigned.

Sincerely,

Donald "Bubba" Youngblood
Branch Manager

DY/DC: kw

David A. [illegible]
Florida [illegible]
NO. 59334
STATE OF

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PRODUCT APPROVAL

Product Search

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User: Public User - Not Associated with Organization -

Need Help ?

Search Product Approvals to the 2001 Florida Building Code

Product Approval Applications to the 2004 Florida Building Code

Product Manufacturer: James Hardie Bldg Products

Category: Panel Walls

Subcategory: Siding

Application/Seq #: 889

(### or ###.#)

Application Status: (ALL)

Evaluation Method: (ALL)

Order by: ○ Manufacturer ◉ Category ○ Subcategory ○ App / Seq # ○ Status ○ Evaluation Method

To edit an application that is NOT YET APPROVED, log in, search for the Application/Seq # and click on the link under "Category".

New Product Search

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App/Seq #	Manufacturer	Category	Subcategory	Validation Entity/Validator	Status
FL889-R2 History	James Hardie Bldg Products	Panel Walls	Siding	RI Ogawa & Associates, Inc. (714) 847-1280	Approved

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The Florida Department of Community Affairs
Building Code Information System

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PRODUCT APPROVAL

Product Type Detail

Product Application

User: Public User - Not Associated with Organization -

Application #:	FL889
Date Submitted:	11/03/2003
Product Manufacturer:	James Hardie Bldg Products
Address/Phone/email:	10901 Elm Avenue Fontana, CA 92337 (909) 356-6366
Category:	New/Innovative Envelope Products
Subcategory:	Other claddings &a
Evaluation Method:	Evaluation Report from a Product Evaluation Entity
Referenced Standards from the Florida Building Code:	**Section** **Standard** **Year**
Evaluation Entity:	National Evaluation Service, Inc.
Quality Assurance Entity:	Intertek Testing Services-ETL/Warnock Hersey
Validation Entity:	Inspection Concepts, Inc.
Authorized Signature:	john mulder jlm@jameshardie.com
Evaluation/Test Reports Uploaded:	PTID_889_T_ner405.pdf
Installation Documents Uploaded:	
Product Approval Method:	Method 2 Option A
Application Status:	Approved
Date Validated:	11/18/2003

PRODUCT APPROVAL

Product Type Detail

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL889-R2
Date Submitted:	11/10/2005
Code Version:	2004
Product Manufacturer:	James Hardie Bldg Products
Address/Phone/email:	10901 Elm Avenue Fontana, CA 92337 (909) 356-6366
Technical Representative:	john mulder
Technical Representative Address/Phone/email:	10901 elm avenue fontana, CA 92337 (909) 356-6366 jlm@jameshardie.com
Category:	Panel Walls
Subcategory:	Siding
Evaluation Method:	Evaluation Report from a Product Evaluation Entity

Referenced Standards from the Florida Building Code:

Section	Standard	Year
1405.15	ASTM C1186	1999
R703.10	ASTM C1186	1999

Evaluation Entity:	ICC Evaluation Service, Inc.
Quality Assurance Entity:	Intertek Testing Services-ETL/Warnock Hersey
Validation Entity:	RI Ogawa & Associates, Inc.
Authorized Signature:	john mulder jlm@jameshardie.com
Evaluation/Test Reports Uploaded:	PTID_889_R2_T_ASCE 7-02

wind load calculation.pdf
PTID_889_R2_T_ner-405 (April 2004).pdf
PTID_889_R2_T_NOA No 02-0729-.02.pdf

Installation Documents Uploaded:

Product Approval Method: Method 1 Option C

Application Status: Approved
Date Validated: 11/10/2005
Date Approved: 12/07/2005
Date Certified to the 2004 Code:

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
889.1	Cempanel siding	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.2	Cemplank lap siding	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.3	Cemsoffit panel	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.4	Hardipanel siding	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.5	Hardiplank lap siding	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.6	Hardishingle cladding shingle	fiber-cement cladding	Not for use in HVHZ
889.7	Hardishingle notched panel	fiber-cement cladding	Not for use in HVHZ
889.8	Hardisoffit panel	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.9	Harditex baseboard	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02
889.10	Sentry lap sidig	fiber-cement cladding	For use in HVHZ install in accordance with NOA 02-0729-02

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Need Help ?

Search Product Approvals to the 2001 Florida Building Code

Product Approval Applications to the 2004 Florida Building Code

Product Manufacturer: UNION CORRUGATING COMPANY

Category: Roofing

Subcategory: Metal Roofing

Application/Seq #:

(### or ###.#)

Application Status: (ALL)

Evaluation Method: (ALL)

Order by: (•) Manufacturer ( ) Category ( ) Subcategory ( ) App / Seq # ( ) Status ( ) Evaluation Method

To edit an application that is NOT YET APPROVED, log in, search for the Application/Seq # and click on the link under "Category".

New Product Search

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App/Seq #	Manufacturer	Category	Subcategory	Validation Entity/Validator	Status
FL4586	UNION CORRUGATING COMPANY	Roofing	Metal Roofing		Approved

Page: Go Page 1 / 1

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL4586
Date Submitted:	06/03/2005
Code Version:	2004
Product Manufacturer:	UNION CORRUGATING COMPANY
Address/Phone/email:	701 S. KING ST. FAYETTEVILLE, NC 28301 (910) 483-0479
Technical Representative:	Dave Hart
Technical Representative Address/Phone/email:	701 S King St Fayetteville, NC 28303 (910) 483-0479 dhart@unioncorrugating.com
Category:	Roofing
Subcategory:	Metal Roofing
Evaluation Method:	Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
	1504.3.2	UL 580	1994

Certification Agency:	Underwriters Laboratories Inc.
Quality Assurance Entity:	
Validation Entity:	
Authorized Signature:	Glenn Hart dhart@unioncorrugating.com
Evaluation/Test Reports Uploaded:	
Installation Documents Uploaded:	PTID_4586_I_5VPanelProfile.pdf PTID_4586_I_AdLokPanelProfile.pdf

PTID_4586_I_MasterRibPanelProfile.pdf
PTID_4586_I_Trim Installation.pdf

Product Approval Method: Method 1 Option A

Application Status: Approved
Date Validated: 06/03/2005
Date Approved: 06/29/2005
Date Certified to the 2004 Code:

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
4586.1	5V	Min 29 ga. Through Fastened Metal Roof	UL Construction 579. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met through rational analysis.
4586.2	Advantage Lok	Min 29 ga. Standing Seam Metal Roof	UL Construction 529. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met thorugh rational analysis.
4586.3	MasterRib	Min 29 ga. Through Fastened Metal Roof	UL Construction 584. Not for use in HVHZ. Design Pressure = 52.5 psf. Increased Design pressures at perimeter and corner areas, in compliance with FBC Chapter 16, may be met thorugh rational analysis.

Next

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL1730-R1
Date Submitted:	09/21/2005
Code Version:	2004
Product Manufacturer:	Hurri-Bolt, Inc.
Address/Phone/email:	10704 N 46th Street Tampa, FL 33617 (813) 626-1676
Technical Representative:	Joe Hale
Technical Representative Address/Phone/email:	2720 N 46th Street Tampa, FL 33605 (813) 626-1676 hbolt@tampabay.rr.com
Category:	Structural Components
Subcategory:	Wood Connectors Anchors
Evaluation Method:	Evaluation Report from a Product Evaluation Entity

Referenced Standards from the Florida Building Code:

Section	Standard	Year
2104.9.5	ASTM A 36	1994
1606.1.1	SBCCI Standard for Hurricane Resistant SSTD10-99	1999
1706.1	ASTM D1761	1988
1706.3.1	ASTM D1761	1988
2314.4.4	ASTM D1761	1988

Evaluation Entity:	SBCCI PST and ESI
Quality Assurance Entity:	PFS Corporation
Validation Entity:	R. D. Hall
Authorized Signature:	Joseph Hale

jhale@boltandnut.com

Evaluation/Test Reports Uploaded: PTID_1730_R1_T_FL1730 Installation Instruction.pdf
PTID_1730_R1_T_fl1730Ind_cert.pdf
PTID_1730_R1_T_PE_Cert_Ind_FL1730Rev1.pdf
PTID_1730_R1_T_SBCCI9910A.pdf

Installation Documents Uploaded: PTID_1730_R1_I_HW38Instructionsfl1730.pdf

Product Approval Method: Method 1 Option C

Application Status: Denied
Date Validated: 11/21/2005
Date Approved:
Date Certified to the 2004 Code:

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
1730.1	1/2" Hurri-Bolt Assembly	Hurri-Bolt Top Plate Assembly 1/2" Diameter	Detailed Limitations are listed in SBCCI Report #9910A (Uploaded) The Design Capacity of the 1/2" Hurri-Bolt assembly is 3905 lbs. at 1-3/4" min. centerline distance to free edge of slab with 3000 psi normal weight concrete with 1/2" Hurri-Wedge Anchor. Size top plate washer according to bearing capacity of wood species.
1730.2	3/4" Hurri-Bolt Assembly	Hurri-Bolt Top Plate Assembly 3/4" Diameter	Detailed Limitations are listed in SBCCI Report #9910A (Uploaded) The Design Capacity of the 3/4" Hurri-Bolt assembly is 10,000 lbs. at 1-3/4" min. centerline distance to free edge of slab with 3000 psi normal weight concrete with 7/8" threaded stud with Ultrabond 1 epoxy and 7/8" to 3/4" reducer coupler. Size top plate washer according to bearing capacity of wood species.
			Detailed Limitations are listed in SBCCI Report #9910A (Uploaded) The Design Capacity of the

1730.3	3/8" Hurri-Bolt Assembly	Hurri-Bolt Top Plate Assembly 3/8" Diameter	3/8" Hurri-Bolt assembly is 2400 lbs. at 1-3/4" min. centerline distance to free edge of slab with 3000 psi normal weight concrete with HBA anchor and a 1/2" to 3/8" reducer coupler. Size top plate washer according to bearing capacity of wood species.
1730.4	5/8" Hurri-Bolt Assembly	Hurri-Bolt Top Plate Assembly 5/8" Diameter	Detailed Limitations are listed in SBCCI Report #9910A (Uploaded) The Design Capacity of the 5/8" Hurri-Bolt assembly is 7,050 lbs. at 1-3/4" min. centerline distance to free edge of slab with 3000 psi normal weight concrete with 3/4" threaded stud with Ultrabond 1 epoxy at 9" embedment and a 3/4" to 5/8" reducer coupler. Size top plate washer according to bearing capacity of wood species.

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Need Help ?

Search Product Approvals to the 2001 Florida Building Code

Product Approval Applications to the 2004 Florida Building Code

Product Manufacturer: MiTek Industries, Inc.

Category: Structural Components

Subcategory: Truss Plates

Application/Seq #: 2197

(### or ###.#)

Application Status: (ALL)

Evaluation Method: (ALL)

Order by: ○ Manufacturer ◉ Category ○ Subcategory ○ App / Seq # ○ Status ○ Evaluation Method

To edit an application that is NOT YET APPROVED, log in, search for the Application/Seq # and click on the link under "Category".

New Product Search

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App/Seq #	Manufacturer	Category	Subcategory	Validation Entity/Validator	Status
FL2197-R1 History	MiTek Industries, Inc.	Structural Components	Truss Plates	Intertek Testing Services - ETL/Warnock Hersey (604) 520-3321	Approved

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User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL2197-R1
Date Submitted:	09/14/2005
Code Version:	2004
Product Manufacturer:	MiTek Industries, Inc.
Address/Phone/email:	14515 North Outer Fourty Drive Suite 300 Chesterfield, MO 63017--574 (314) 851-7480
Technical Representative:	David Wert
Technical Representative Address/Phone/email:	14515 North Outer Fourty Drive Suite 300 Chesterfield, MO 63017-5746 (314) 851-7480 dwert@mii.com
Category:	Structural Components
Subcategory:	Truss Plates
Evaluation Method:	Evaluation Report from a Product Evaluation Entity

Referenced Standards from the Florida Building Code:

Section	Standard	Year
2302.4, 2319.17.2.1.	ANSI/TPI 1	1995
2302.4, 2319.17.2.1.	ANSI/TPI 1	2002

Evaluation Entity:	ICC Evaluation Service, Inc.
Quality Assurance Entity:	Intertek Testing Services- ETL/Warnock Hersey
Validation Entity:	Intertek Testing Services - ETL/Warnock Hersey

Authorized Signature: David Wert
david.c.wert@mii.com

Evaluation/Test Reports Uploaded:
PTID_2197_R1_T_95-43.01.pdf
PTID_2197_R1_T_9604b.pdf
PTID_2197_R1_T_ESR-1311.pdf
PTID_2197_R1_T_ESR-1352.pdf
PTID_2197_R1_T_ICC ES Certificate of Independence.pdf
PTID_2197_R1_T_NOA_02-042902.pdf
PTID_2197_R1_T_NOA_02-042910.pdf

Installation Documents Uploaded:

Product Approval Method: Method 1 Option C

Application Status: Approved
Date Validated: 09/22/2005
Date Approved: 10/11/2005
Date Certified to the 2004 Code:

Page: Go

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
2197.1	MT16	16 ga. truss connector plate	Not for use in HVHZ
2197.2	MT18	18 ga. truss connector plate	Can be used for HVHZ per NOA 02-0429.02
2197.3	MT20	20 ga. truss connector plate	Can be used for HVHZ per NOA 02-0429.10
2197.4	MT20HS	20 ga. high strength truss connector plate	Not for use in HVHZ

Next

SITE NAVIGATION

- Home
- Course Accreditation
- Florida Building Code
- Manufact Buildings
- Prototype Building
- Surcharges
- Training
- Product Approval
- License Search
- Mailing List
- Florida Building Commission

PRODUCT APPROVAL

Product Search

Overview | Product Search | Organization Search | Product Application

User: Public User - Not Associated with Organization -

Need Help ?

Search Product Approvals to the 2001 Florida Building Code

Product Approval Applications to the 2004 Florida Building Code

Product Manufacturer: Boise Engineered Wood Products

Category: Structural Components

Subcategory: Engineered Lumber

Application/Seq #:

(### or ###.#)

Application Status: (ALL)

Evaluation Method: (ALL)

Order by: (•) Manufacturer ( ) Category ( ) Subcategory
( ) App / Seq # ( ) Status ( ) Evaluation Method

To edit an application that is NOT YET APPROVED, log in, search for the Application/Seq # and click on the link under "Category".

New Product Search

Page: Go Page 1 / 1

App/Seq #	Manufacturer	Category	Subcategory	Validation Entity/Validator	Status
FL1644-R1	Boise Engineered Wood Products	Structural Components	Engineered Lumber	PFS Corporation (608) 221-3361	Applied For

Page: Go Page 1 / 1

PRODUCT APPROVAL

Product Type Detail

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL1644-R1
Date Submitted:	11/01/2005
Code Version:	2004
Product Manufacturer:	Boise Engineered Wood Products
Address/Phone/email:	PO Box 2400 White City, OR 97503 (541) 826-0207
Category:	Structural Components
Subcategory:	Engineered Lumber
Evaluation Method:	Evaluation Report from a Product Evaluation Entity

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	ASTM D 5456	2000

Evaluation Entity:	ICC Evaluation Service, Inc.
Quality Assurance Entity:	PFS Corporation
Validation Entity:	PFS Corporation
Authorized Signature:	Dan Cheney dancheney@boisebuilding.com
Evaluation/Test Reports Uploaded:	PTID_1644_R1_T_1040.pdf
Installation Documents Uploaded:	
Product Approval Method:	Method 1 Option C
Application Status:	Applied For
Date Validated:	
Date Approved:	

Date Certified to the 2004 Code:

Page:
Go

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App/Seq #	Product Model # or Name	Model Description	Limits of Use
1644.1	Versa-Lam	Laminated Veneer Lumber	Floor, Roof, and Wall Framing

Next

Bill Carter
HVAC Load Calculations

for

Fredrick G Hammond
P.O Box 1201
Newberry Fl 32669

Elite Software

RHVAC RESIDENTIAL HVAC LOADS

Prepared By:
Chuck Fischer
North Central Florida Air Conditioning
P.O Box 700
High Springs Fl 32655-0700
386-454-4767
Tuesday, February 07, 2006

Project Report

General Project Information

Project Filename:	C:\Documents and Settings\Heat\My Documents\Projects\AutoLoad MJ8.rhv
Project Title:	Bill Carter
Designed By:	Chuck Fischer
Project Date:	February 6th 2006
Client Name:	Fredrick G Hammond
Client Address:	P.O Box 1201
Client City:	Newberry Fl 32669
Client Phone:	352-283-0000
Client Comment:	
Company Name:	North Central Florida Air Conditioning
Company Representative:	Chuck Fischer
Company Address:	P.O Box 700
Company City:	High Springs Fl 32655-0700
Company Phone:	386-454-4767
Company Fax:	386-454-4854
Company Comment:	Bedroom 2&3 R/A are 10x10x8 Master bedroom R/A is 12x12x9 Main R/A is 20x24x18

Design Data

Reference City:		Gainesville, Florida
Daily Temperature Range:		Medium
Latitude:	29	Degrees
Elevation:	152	ft.
Altitude Factor:	0.995	
Elevation Sensible Adj. Factor:	1.000	
Elevation Total Adj. Factor:	1.000	
Elevation Heating Adj. Factor:	1.000	
Elevation Heating Adj. Factor:	1.000	

	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	0	68	0
Summer:	93	77	50	75	50

Check Figures

Total Building Supply CFM:	462	CFM Per Square ft.:	0.458
Square ft. of Room Area:	1,009	Square ft. Per Ton:	921
Volume (ft³) of Cond. Space:	8,794	Air Turnover Rate (per hour):	3.2

Building Loads

Total Heating Required With Outside Air:	25,760 Btuh	25.760 MBH	
Total Sensible Gain:	10,119 Btuh	81 %	
Total Latent Gain:	2,445 Btuh	19 %	
Total Cooling Required With Outside Air:	12,564 Btuh	1.05 Tons (Based On Sensible + Latent)	
		1.10 Tons (Based On 77% Sensible Capacity)	

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

Miscellaneous Report

System 1 Main Floor Input Data	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	50	68	30.84
Summer:	93	77	50	75	50.06

Duct Sizing Inputs

	Main Trunk		Runouts	
Calculate:	Yes		Yes	
Use Schedule:	No		No	
Roughness Factor:	0.00300		0.01000	
Pressure Drop:	0.1000	in.wg./100 ft.	0.1000	in.wg./100 ft.
Minimum Velocity:	650	ft./min	450	ft./min
Maximum Velocity:	900	ft./min	750	ft./min
Minimum Height:	0	in.	0	in.
Maximum Height:	0	in.	0	in.

Outside Air Data

	Winter		Summer	
Infiltration:	0.900	AC/hr	0.400	AC/hr
Volume of Conditioned Space:	X 8794	Cu.ft.	X 8794	Cu.ft.
	7,915	Cu.ft./hr	3,518	Cu.ft./hr
	X 0.0167		X 0.0167	
Total Building Infiltration:	132	CFM	59	CFM
Total Building Ventilation:	0	CFM	0	CFM

—System 1—

Infiltration & Ventilation Sensible Gain Multiplier:	19.69	= (1.10 X 0.995 X 18.00 Summer Temp. Difference)
Infiltration & Ventilation Latent Gain Multiplier:	33.85	= (0.68 X 0.995 X 50.06 Grains Difference)
Infiltration & Ventilation Sensible Loss Multiplier:	40.48	= (1.10 X 0.995 X 37.00 Winter Temp. Difference)

Load Preview Report

Scope	Area	Sens Gain	Lat Gain	Net Gain	Sens Loss	Win CFM	Sum CFM	Sys CFM	Duct Size
Building: 1.05 Net Tons, 1.10 Recommended Tons, 921 ft²/Ton, 25.76 MBH Heating									
Building	1,009	10,119	2,445	12,564	25,760	336	462	462	
System 1: 1.05 Net Tons, 1.10 Recommended Tons, 921 ft²/Ton, 25.76 MBH Heating									
System 1	1,009	10,119	2,445	12,564	25,760	336	462	462	11x10
Zone 1	1,009	10,119	2,445	12,564	25,760	336	462	462	
1-Garage	720	6,856	1,705	8,561	16,108	210	313	313	3-6
2-Storage	289	3,262	740	4,002	9,652	126	149	149	2-5

Total Building Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.1, outdoor insect screen with 50% coverage, external shade screen coefficient of 0.45 and 50% coverage	25	600	0	576	576
11P: Door-Polyurethane Core	145.7	1,563	0	1,225	1,225
12B-4sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity, R-4 board insulation, siding finish, wood studs	1379	3,725	0	2,260	2,260
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1009.2	1,194	0	1,389	1,389
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	180	9,045	0	0	0
Subtotals for structure:		16,127	0	5,450	5,450
People:	2		460	600	1,060
Equipment:			0	0	0
Lighting:	360			1,228	1,228
Ductwork:		4,294	0	1,687	1,687
Infiltration: Winter CFM: 132, Summer CFM: 59		5,339	1,985	1,154	3,139
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Total Building Load Totals:		25,760	2,445	10,119	12,564

Check Figures

Total Building Supply CFM:	462	CFM Per Square ft.:	0.458
Square ft. of Room Area:	1,009	Square ft. Per Ton:	921
Volume (ft³) of Cond. Space:	8,794	Air Turnover Rate (per hour):	3.2

Building Loads

Total Heating Required With Outside Air:	25,760 Btuh	25.760 MBH	
Total Sensible Gain:	10,119 Btuh	81 %	
Total Latent Gain:	2,445 Btuh	19 %	
Total Cooling Required With Outside Air:	12,564 Btuh	1.05 Tons (Based On Sensible + Latent)	
		1.10 Tons (Based On 77% Sensible Capacity)	

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1 Main Floor Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.1, outdoor insect screen with 50% coverage, external shade screen coefficient of 0.45 and 50% coverage	25	600	0	576	576
11P: Door-Polyurethane Core	145.7	1,563	0	1,225	1,225
12B-4sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity, R-4 board insulation, siding finish, wood studs	1379	3,725	0	2,260	2,260
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1009.2	1,194	0	1,389	1,389
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	180	9,045	0	0	0
Subtotals for structure:		16,127	0	5,450	5,450
People:	2		460	600	1,060
Equipment:			0	0	0
Lighting:	360			1,228	1,228
Ductwork:		4,294	0	1,687	1,687
Infiltration: Winter CFM: 132, Summer CFM: 59		5,339	1,985	1,154	3,139
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
System 1 Main Floor Load Totals:		25,760	2,445	10,119	12,564

Check Figures

Supply CFM:	462	CFM Per Square ft.:	0.458
Square ft. of Room Area:	1,009	Square ft. Per Ton:	921
Volume (ft³) of Cond. Space:	8,794	Air Turnover Rate (per hour):	3.2

System Loads

Total Heating Required With Outside Air:	25,760 Btuh	25.760 MBH	
Total Sensible Gain:	10,119 Btuh	81 %	
Total Latent Gain:	2,445 Btuh	19 %	
Total Cooling Required With Outside Air:	12,564 Btuh	1.05 Tons (Based On Sensible + Latent)	
		1.10 Tons (Based On 77% Sensible Capacity)	

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1, Zone 1 Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.1, outdoor insect screen with 50% coverage, external shade screen coefficient of 0.45 and 50% coverage	25	600	0	576	576
11P: Door-Polyurethane Core	145.7	1,563	0	1,225	1,225
12B-4sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity, R-4 board insulation, siding finish, wood studs	1379	3,725	0	2,260	2,260
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1009.2	1,194	0	1,389	1,389
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	180	9,045	0	0	0
Subtotals for structure:		16,127	0	5,450	5,450
People:	2		460	600	1,060
Equipment:			0	0	0
Lighting:	360			1,228	1,228
Ductwork:		4,294	0	1,687	1,687
Infiltration: Winter CFM: 132, Summer CFM: 59		5,339	1,985	1,154	3,139
System 1, Zone 1 Load Totals:		25,760	2,445	10,119	12,564

Check Figures

Supply CFM:	462	CFM Per Square ft.:	0.458
Square ft. of Room Area:	1,009	Square ft. Per Ton:	921
Volume (ft^3) of Cond. Space:	8,794	Air Turnover Rate (per hour):	3.2

Zone Loads

Total Heating Required:	25,760 Btuh	25.760 MBH	
Total Sensible Gain:	10,119 Btuh	81 %	
Total Latent Gain:	2,445 Btuh	19 %	
Total Cooling Required:	12,564 Btuh	1.05 Tons (Based On Sensible + Latent)	
		1.10 Tons (Based On 77% Sensible Capacity)	

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1 Room Load Summary

Room No	Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Air Sys CFM
—Zone 1—										
1	Garage	720	16,108	210	3-6	532	6,856	1,705	313	313
2	Storage	289	9,652	126	2-5	547	3,262	740	149	149
	System 1 total	1,009	25,760	336			10,119	2,445	462	462

System 1 Main Trunk Size:	11x10	in.
Velocity:	701	ft./min
Loss per 100 ft.:	0.098	in.wg

Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	1.05	81% / 19%	10,119	2,445	12,564
Recommended:	1.10	77% / 23%	10,119	3,022	13,141
Actual:	1.50	71% / 29%	12,800	5,200	18,000

Equipment Data

	Heating System	Cooling System
Type:		Air Cooled Condensor
Model:		GSC130181A*+AWB24-XX
Brand:		Goodman
Efficiency:		13 SEER
Sound:		
Capacity:		18000
Sensible Capacity:	n/a	12,800 Btuh
Latent Capacity:	n/a	5,200 Btuh

USP Lumber Connectors™

Product Identification and Labeling

Code Evaluation Labeling Requirements

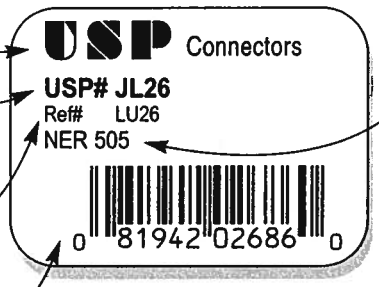
Each USP Lumber Connector is identified with the following information:

Company Name: USP Connectors

USP Model Number: Shows model number as it appears in USP's literature and code evaluations.

Reference Number: Product number of a competitor that is frequently specified.

UPC Code



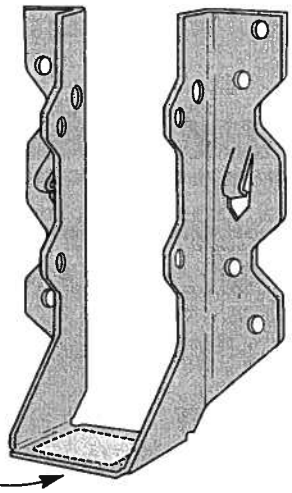
Typical Product Label

Code Evaluation Number: This is the code evaluation report number that the specific model number appears in. This number may appear as a listing for International Conference of Building Officials (ICBO), Southern Building Code Congress International (SBCCI), Building Officials and Code Administrators International Inc. (BOCA) or National Evaluation Service (NER) which covers all three agencies.

Code Evaluation Labeling Requirements:

Labeling of products for field identification is a requirement of the code evaluation reports. The code evaluation reports specifically state that each product manufactured and listed in a code evaluation report must be labeled with the manufacturer's name and/or trademark, the model number and code evaluation report number. Failure to do this would be a violation of the code evaluation report guidelines.

Currently, code agencies use a variety of descriptions when stipulating how this information will be applied to the lumber connector. The descriptions range from "labeled" or "stamped" to "identified." USP currently labels all products which carry a code evaluation report number and is in the process of stamping this identification into some of our products. Either method is acceptable under the guidelines set forth by the code evaluation agencies today.



Labels are positioned on products so they can be seen after installation

USP, Eastern Region
703 Rogers Drive
Montgomery, MN 56069-1324
1-800-328-5934
Fax: 1-507-364-8762

USP, Western Region
2150 Kitty Hawk Road
Livermore, CA 94550-9611
1-800-227-0470
Fax: 1-925-373-9213

www.USPconnectors.com

YOUR LOCAL **USP** DEALER/DISTRIBUTOR

Bill Carter
HVAC Load Calculations

for

Fredrick G Hammond
P.O Box 1201
Newberry Fl 32669

Elite Software

RHVAC RESIDENTIAL HVAC LOADS

Prepared By:
Chuck Fischer
North Central Florida Air Conditioning
P.O Box 700
High Springs Fl 32655-0700
386-454-4767
Tuesday, February 07, 2006

Project Report

General Project Information

Project Filename:	C:\Documents and Settings\Heat\My Documents\Projects\AutoLoad MJ8.rhv
Project Title:	Bill Carter
Designed By:	Chuck Fischer
Project Date:	February 6th 2006
Client Name:	Fredrick G Hammond
Client Address:	P.O Box 1201
Client City:	Newberry Fl 32669
Client Phone:	352-283-0000
Client Comment:	
Company Name:	North Central Florida Air Conditioning
Company Representative:	Chuck Fischer
Company Address:	P.O Box 700
Company City:	High Springs Fl 32655-0700
Company Phone:	386-454-4767
Company Fax:	386-454-4854
Company Comment:	Bedroom 2&3 R/A are 10x10x8 Master bedroom R/A is 12x12x9 Main R/A is 20x24x18

Design Data

Reference City:		Gainesville, Florida
Daily Temperature Range:		Medium
Latitude:	29	Degrees
Elevation:	152	ft.
Altitude Factor:	0.995	
Elevation Sensible Adj. Factor:	1.000	
Elevation Total Adj. Factor:	1.000	
Elevation Heating Adj. Factor:	1.000	
Elevation Heating Adj. Factor:	1.000	

	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	0	68	0
Summer:	93	77	50	75	50

Check Figures

Total Building Supply CFM:	1,136	CFM Per Square ft.:	0.678
Square ft. of Room Area:	1,676	Square ft. Per Ton:	623
Volume (ft³) of Cond. Space:	13,422	Air Turnover Rate (per hour):	5.1

Building Loads

Total Heating Required With Outside Air:	36,659 Btuh	36.659	MBH
Total Sensible Gain:	24,865 Btuh	85	%
Total Latent Gain:	4,409 Btuh	15	%
Total Cooling Required With Outside Air:	29,274 Btuh	2.44	Tons (Based On Sensible + Latent)
		2.69	Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

Miscellaneous Report

System 1 Main Floor Input Data	Outdoor Dry Bulb	Outdoor Wet Bulb	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	31	0	50	68	30.84
Summer:	93	77	50	75	50.06

Duct Sizing Inputs

	Main Trunk		Runouts	
Calculate:	Yes		Yes	
Use Schedule:	No		No	
Roughness Factor:	0.00300		0.01000	
Pressure Drop:	0.1000	in.wg./100 ft.	0.1000	in.wg./100 ft.
Minimum Velocity:	650	ft./min	450	ft./min
Maximum Velocity:	900	ft./min	750	ft./min
Minimum Height:	0	in.	0	in.
Maximum Height:	0	in.	0	in.

Outside Air Data

	Winter		Summer	
Infiltration:	0.900	AC/hr	0.400	AC/hr
Volume of Conditioned Space:	X 13422	Cu.ft.	X 13422	Cu.ft.
	12,080	Cu.ft./hr	5,369	Cu.ft./hr
	X 0.0167		X 0.0167	
Total Building Infiltration:	201	CFM	89	CFM
Total Building Ventilation:	0	CFM	0	CFM

—System 1—

Infiltration & Ventilation Sensible Gain Multiplier:	19.69	= (1.10 X 0.995 X 18.00 Summer Temp. Difference)
Infiltration & Ventilation Latent Gain Multiplier:	33.85	= (0.68 X 0.995 X 50.06 Grains Difference)
Infiltration & Ventilation Sensible Loss Multiplier:	40.48	= (1.10 X 0.995 X 37.00 Winter Temp. Difference)

Load Preview Report

Scope	Area	Sens Gain	Lat Gain	Net Gain	Sens Loss	Win CFM	Sum CFM	Sys CFM	Duct Size
Building: 2.44 Net Tons, 2.69 Recommended Tons, 623 ft²/Ton, 36.66 MBH Heating									
Building	1,676	24,865	4,409	29,274	36,659	479	1,136	1,136	
System 1: 2.44 Net Tons, 2.69 Recommended Tons, 623 ft²/Ton, 36.66 MBH Heating									
System 1	1,676	24,865	4,409	29,274	36,659	479	1,136	1,136	15x15
Zone 1	1,676	24,865	4,409	29,274	36,659	479	1,136	1,136	
1-Master Bedroom	220	3,100	883	3,983	4,622	60	142	142	1-7
2-Master W.I.C	72	426	0	426	162	2	19	19	1-3
3-Master Bath	145	2,338	402	2,740	4,375	57	107	107	1-6
4-Master Tolit Room	18	414	43	457	422	6	19	19	1-3
5-Living Room	338	3,762	276	4,038	5,549	72	172	172	2-5
6-Kitchen	213	4,612	646	5,258	5,232	68	211	211	1-9
7-Nook	96	1,686	94	1,780	1,399	18	77	77	1-5
8-Utility Room	131	1,586	336	1,922	3,674	48	72	72	1-5
9-Bedroom 2	166	2,158	415	2,573	2,234	29	99	99	1-6
10-Bath 2	83	798	94	892	1,015	13	36	36	1-3
11-Study	176	3,952	1,220	5,172	7,890	103	181	181	1-8
12-Stair Well	18	30	0	30	85	1	1	1	1-1

Total Building Summary Loads

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.32, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	35.3	849	0	616	616
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	42.9	1,032	0	882	882
10B-m: Glazing-French door, double pane clear glass, metal frame no break, ground reflectance = 0.32	53	2,847	0	1,905	1,905
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.14, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	23.5	566	0	528	528
11P: Door-Polyurethane Core	17.7	190	0	149	149
12B-4sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity, R-4 board insulation, siding finish, wood studs	1529.2	4,129	0	2,509	2,509
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1677.9	1,986	0	2,308	2,308
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	215	10,803	0	0	0
Subtotals for structure:		22,402	0	8,897	8,897
People:	6		1,380	1,800	3,180
Equipment:			0	1,200	1,200
Lighting:	2070			7,059	7,059
Ductwork:		6,108	0	4,145	4,145
Infiltration: Winter CFM: 201, Summer CFM: 89		8,149	3,029	1,764	4,793
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
Total Building Load Totals:		36,659	4,409	24,865	29,274

Check Figures

Total Building Supply CFM:	1,136	CFM Per Square ft.:	0.678
Square ft. of Room Area:	1,676	Square ft. Per Ton:	623
Volume (ft³) of Cond. Space:	13,422	Air Turnover Rate (per hour):	5.1

Building Loads

Total Heating Required With Outside Air:	36,659 Btuh	36.659 MBH	
Total Sensible Gain:	24,865 Btuh	85 %	
Total Latent Gain:	4,409 Btuh	15 %	
Total Cooling Required With Outside Air:	29,274 Btuh	2.44	Tons (Based On Sensible + Latent)
		2.69	Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1 Main Floor Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.32, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	35.3	849	0	616	616
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	42.9	1,032	0	882	882
10B-m: Glazing-French door, double pane clear glass, metal frame no break, ground reflectance = 0.32	53	2,847	0	1,905	1,905
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.14, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	23.5	566	0	528	528
11P: Door-Polyurethane Core	17.7	190	0	149	149
12B-4sw: Wall-Frame, R-11 insulation in 2 x 4 stud cavity, R-4 board insulation, siding finish, wood studs	1529.2	4,129	0	2,509	2,509
16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1677.9	1,986	0	2,308	2,308
22A-ph: Floor-Slab on grade, No edge insulation, no insulation below floor, any floor cover, passive, heavy moist soil	215	10,803	0	0	0
Subtotals for structure:		22,402	0	8,897	8,897
People:	6		1,380	1,800	3,180
Equipment:			0	1,200	1,200
Lighting:	2070			7,059	7,059
Ductwork:		6,108	0	4,145	4,145
Infiltration: Winter CFM: 201, Summer CFM: 89		8,149	3,029	1,764	4,793
Ventilation: Winter CFM: 0, Summer CFM: 0		0	0	0	0
System 1 Main Floor Load Totals:		36,659	4,409	24,865	29,274

Check Figures

Supply CFM:	1,136	CFM Per Square ft.:	0.678
Square ft. of Room Area:	1,676	Square ft. Per Ton:	623
Volume (ft³) of Cond. Space:	13,422	Air Turnover Rate (per hour):	5.1

System Loads

Total Heating Required With Outside Air:	36,659 Btuh	36.659	MBH
Total Sensible Gain:	24,865 Btuh	85	%
Total Latent Gain:	4,409 Btuh	15	%
Total Cooling Required With Outside Air:	29,274 Btuh	2.44	Tons (Based On Sensible + Latent)
		2.69	Tons (Based On 77% Sensible Capacity)

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1, Zone 1 Summary Loads (Average Method)

Component Description	Area Quan	Sen Loss	Lat Gain	Sen Gain	Total Gain
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.32, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	35.3	849	0	616	616
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.23, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	42.9	1,032	0	882	882
10B-m: Glazing-French door, double pane clear glass, metal frame no break, ground reflectance = 0.32	53	2,847	0	1,905	1,905
1D-cb-o: Glazing-Double pane, operable window, clear, metal frame with break, ground reflectance = 0.14, outdoor insect screen with 50% coverage, light color blinds at 45° with 25% coverage, external shade screen coefficient of 0.45 and 50% coverage	23.5	566	0	528	528
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16C-30: Roof/Ceiling-Under attic or knee wall, Vented Attic, No Radiant Barrier, White or Light Color Shingles, Any Wood Shake, Light Metal, Tar and Gravel or Membrane, R-30 insulation	1677.9	1,986	0	2,308	2,308
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Subtotals for structure:		22,402	0	8,897	8,897
People:	6		1,380	1,800	3,180
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Lighting:	2070			7,059	7,059
Ductwork:		6,108	0	4,145	4,145
Infiltration: Winter CFM: 201, Summer CFM: 89		8,149	3,029	1,764	4,793
System 1, Zone 1 Load Totals:		36,659	4,409	24,865	29,274

Check Figures

Supply CFM:	1,136	CFM Per Square ft.:	0.678
Square ft. of Room Area:	1,676	Square ft. Per Ton:	623
Volume (ft³) of Cond. Space:	13,422	Air Turnover Rate (per hour):	5.1

Zone Loads

Total Heating Required:	36,659 Btuh	36.659 MBH	
Total Sensible Gain:	24,865 Btuh	85 %	
Total Latent Gain:	4,409 Btuh	15 %	
Total Cooling Required:	29,274 Btuh	2.44 Tons (Based On Sensible + Latent)	
		2.69 Tons (Based On 77% Sensible Capacity)	

Notes

Calculations are based on 8th edition of ACCA Manual J.
All computed results are estimates as building use and weather may vary.
Be sure to select a unit that meets both sensible and latent loads.

System 1 Room Load Summary

No	Room Name	Area SF	Htg Sens Btuh	Htg Nom CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Clg Nom CFM	Air Sys CFM
—Zone 1—										
1	Master Bedroom	220	4,622	60	1-7	530	3,100	883	142	142
2	Master W.I.C	72	162	2	1-3	396	426	0	19	19
3	Master Bath	145	4,375	57	1-6	544	2,338	402	107	107
4	Master Tolit Room	18	422	6	1-3	385	414	43	19	19
5	Living Room	338	5,549	72	2-5	631	3,762	276	172	172
6	Kitchen	213	5,232	68	1-9	477	4,612	646	211	211
7	Nook	96	1,399	18	1-5	565	1,686	94	77	77
8	Utility Room	131	3,674	48	1-5	532	1,586	336	72	72
9	Bedroom 2	166	2,234	29	1-6	502	2,158	415	99	99
10	Bath 2	83	1,015	13	1-3	743	798	94	36	36
11	Study	176	7,890	103	1-8	518	3,952	1,220	181	181
12	Stair Well	18	85	1	1-1	251	30	0	1	1
	System 1 total	1,676	36,659	479			24,865	4,409	1,136	1,136

System 1 Main Trunk Size: 15x15 in.
Velocity: 814 ft./min
Loss per 100 ft.: 0.081 in.wg

Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.44	85% / 15%	24,865	4,409	29,274
Recommended:	2.69	77% / 23%	24,865	7,427	32,292
Actual:	3.00	73% / 27%	26,200	9,800	36,000

Equipment Data

	Heating System	Cooling System
Type:		Air Cooled Condensor
Model:		CLT36-1*+ARPTO49-00*-1*
Brand:		Goodman
Efficiency:		13 SEER
Sound:		
Capacity:		36,000
Sensible Capacity:	n/a	26,200 Btuh
Latent Capacity:	n/a	9,800 Btuh

From: The Columbia County Building Department
Plans Review
135 NE Hernando Av.
P. O Box 1529
Lake City Florida, 32056-1529

Reference to: Build permit application Number: 0602-40

Hammond Builders and Design Owner William Carter lot 33 of Cedar Springs Shores

On the date of February 16, 2006 application 0602-40 and plans for construction of a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0602-40 when making reference to this application.

1. Lot 33 Unit 5 of Cedar Springs Shores subdivision as shown on the FIRM Flood Insurance Map Community-Panel Numbers 12007 0225 B defines that the Lot 33 is within an AE Flood Zone with an established elevation of 36 foot flood elevation. The first floor elevation of the proposed dwelling will be required to be at an elevation of 37 foot. An elevation certification from a surveyor will be required to be submitted prior to issuance of a certificate of occupancy.

2. Columbia County regulations require a one foot rise analyses certified by an engineer be submitted to the Building and Zonings department prior to issuance of a building permit.

3. If any existing or additional earth will relocated within this parcel of land to help established the required 37 foot flood elevation a grading plan as detailed in

Columbia County Florida Resolution No. 2005R-26 (attached) will be required to be submitted to this department for review by the Columbia County engineer.

4. Please show on the structural elevation plans the total height of the structure from the established finished grade to the highest roof peak of the structure.

5. On the floor plan please show the total amount of the condition and unconditioned square footage that will be under the roof area.

6. On the plans please identify all the exterior/interior shear walls.

7. Indicate on the foundation plans the load bearing soil capacity which be required to support the A2 foundation as designed.

8. Submit the Florida product approval numbers and manufacture information for the Tie Max System.

Thank you,

Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY, FLORIDA
RESOLUTION NO. 2005R-26

A RESOLUTION OF COLUMBIA COUNTY, FLORIDA, PROVIDING FOR ADDITIONAL REQUIREMENTS FOR A DEVELOPMENT PERMIT ON PROPERTY WHICH HAS BEEN IDENTIFIED AS "FLOOD PRONE;" AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, since the hurricane season of 2004, Columbia County has experienced significant flooding and related issues impacting the public health, safety and welfare of the residents and citizens of Columbia County as well as their property; and

WHEREAS, the Board of County Commissioners of Columbia County, Florida, finds it is necessary and in the best interest of Columbia County and its residents and citizens for the protection of the health, safety and welfare, together with the protection of property interests in Columbia County, to provide requirements in addition to those currently set forth in local, state and federal statutes, ordinances, rules and regulations, including but not limited to the Columbia County Comprehensive Plan and Columbia County Land Development Regulations (LDRs), for the application and issuance of a development permit.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF COLUMBIA COUNTY, FLORIDA AS FOLLOWS:

1. Properties, including lots and acreage, which have been identified in Columbia County as "flood prone" shall, in addition to all other local, state and federal requirements, prior to issuance of a development permit through the Columbia County Building Department provide the following:

a. In addition to all other required submittals, the development permit applicant shall file a grading plan for the property proposed to be developed. The grading plan shall be signed and sealed by a Florida registered professional engineer.

b. The grading plan shall delineate proposed changes from natural ground elevation, if any, including the amount of fill material to be added to the site. The grading plan shall clearly demonstrate that the natural flow of water shall not be altered nor will adjacent properties be negatively impacted by the proposed development.

c. The grading plan shall further establish the lowest habitable floor elevation and building location on the lot or acreage.

d. Upon its completion, the applicant shall obtain from a Florida licensed land surveyor and provide to Columbia County certification as to the actual height of the finished floor established by the grading plan.

2. Additionally, all "flood prone" properties shall require written certification by a competent Florida licensed professional or agency stating that the property is not defined as a wetland as defined in the Columbia County Land Development Regulations.

3. The term "flood prone" is defined as those lots, acreage or properties that can be demonstrated on existing FEMA or other maps as flood prone properties which competent personal testimony through affidavit or otherwise establishes the property has a history of flooding which would adversely impact development upon the property.

4. There shall be exempt from the requirements of this Resolution lots, acreage or properties otherwise defined as "flood prone" where the ratio of "non-flood prone" property

(numerator) to the square footage of impervious surface development on the property (denominator) is no less than 3-to-1. However, all other permitting requirements of the County must be satisfied.

5. Any interested party who is subject to these additional permitting requirements and believes they have been inappropriately applied to them may appeal the decision to the Board of County Commissioners of Columbia County. All such appeals must be in writing and mailed to the Board of County Commissioners of Columbia County, Post Office Box 1529, Lake City, Florida 32056-1529. At this time no appeal fee is assessed.

6. This Resolution shall remain in effect until the Board of County Commissioners has approved an appropriate ordinance addressing the flood prone issues of Columbia County or until further action of the Board.

UNANIMOUSLY PASSED AND ADOPTED by the Board of County Commissioners at its regular meeting on the 16th day of June, 2005.

BOARD OF COUNTY COMMISSIONERS
COLUMBIA COUNTY, FLORIDA

By: Jennifer Flinn
Jennifer Flinn, Chairman

ATTEST: P. DeWitt Cason
P. DeWitt Cason, Clerk of Courts

(SEAL)

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction Materials Testing

#24205

FIELD DENSITY WORKSHEET

CLIENT Bill Carter

DATE 3-17-06

PROJECT NO. _____

PROJECT NAME Carter Resident

PERMIT NO. 24205

EARTH CONTRACTOR _____

TESTED BY BB

COMPACTION REQUIREMENT (%) 95 ☐ Standard Proctor ☑ Modified Proctor

_____ FIELD CONTACT

TOTAL ON-SITE TIME _____

MILES FROM OFFICE _____

☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☐ Building Pad ☐ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR DENS.	LAB PROCTOR OMC	TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
Carter Garage	105.0	11.0	FG	12"	4.9	106.7	101.7	96.9
Center of Pad	"	"	"	"	5.4	106.1	100.7	95.9
N. Side of Pad	"	"	"	"	4.5	106.7	102.1	97.2
S. Side of Pad	"	"	"	"				

REMARKS _____

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

( ) Client is aware of unsatisfactory test results.

4000 SW 35TH TERRACE, SUITE C • GAINESVILLE, FLORIDA 32608 • PHONE: (352) 372-1274 • FAX: (352) 372-2721

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

24205

$11.00

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 18-7S-16-04236-062 PERMIT NUMBER 24205

1. Description of property: (legal description of the property and street address or 911 address)
LOT 33, CEDAR SPRINGS SUBDIS UNIT 5
PLAT BOOK #5 PAGES 5, 5A, +5B
968 SW BLUFF DRIVE
FT. WHITE, FL 32038

2. General description of improvement: NEW DETACHED GARAGE

3. Owner Name & Address WILLIAM B + JOYCE W. CARDER, 968 SW BLUFF DRIVE, FT. WHITE, FL 32038 Interest in Property OWNER

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

5. Contractor Name HAMMOND BUILDING AND DESIGN, INC Phone Number 352-283-0000
Address P.O. BOX 1201, NEWBERRY, FL 32669

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

Inst:2006006490 Date:03/16/2006 Time:10:08
DC,P.DeWitt Cason,Columbia County B:1077 P:1355

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 Phone Number
Address

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

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)

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.

Signature of Owner

KATHLEEN A. DISKIN MY COMMISSION EXPIRES June 25, 2009 #DD 432832 Bonded thru Notary Public Underwriters NOTARY PUBLIC, STATE OF FLORIDA

Sworn to (or affirmed) and subscribed before day of March 13, 2006

NOTARY STAMP/SEAL

Signature of Notary

NOTICE OF TREATMENT

Applicator Name McCALL SERVICE INC

Address 4647 NW 6TH ST #F

City GAINESVILLE, FLA

Time _____ Date 3-31-06

SITE LOCATION * 24205

Lot # 33 Block # _____ Permit # 24205

Subdivision Cedar Springs Shores

Address 968 BLUFF DRIVE
FORT WHITE, FLA

Name of Chemical Applied BORA-CARE Used 23 %

Area Treated 720

Gallons Used (1) "ONE"

Remarks _____

Applicator - White Permit File - Canary Permit Holder - Pink

M 1043

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 18-7S-16-04236-062 **Building permit No.** 000024205

Use Classification GARAGE **Fire:** 0.00

Permit Holder FREDRICK HAMMOND **Waste:**

Owner of Building WILLIAM & JOYCE CARTER **Total:** 0.00

Location: 968 SW BLUFF DRIVE(CEDAR SPRINGS SHORE,LOT 33)

Date: 05/09/2006

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

ELEVATION CERTIFICATE

O.M.B. No. 3067-0077
Expires December 31, 2005

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

For Insurance Company Use:

BUILDING OWNER'S NAME
William B. & Joyce W. Carter Permit #24205

Policy Number

BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.
968 S.W. Bluff Drive

Company NAIC Number

CITY	STATE	ZIP CODE
Fort White	Fl	32038

PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 33, Cedar Springs Shores, Unit No. 5

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Accessory (Garage & Storage)

LATITUDE/LONGITUDE (OPTIONAL) (##° - ## - ##.## or ##.######°)
HORIZONTAL DATUM: ☐ NAD 1927 ☐ NAD 1983
SOURCE: ☐ GPS (Type):____ ☐ USGS Quad Map ☐ Other:____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER	B2. COUNTY NAME	B3. STATE
Columbia Conty Unincorporated 120070	Columbia	FL

B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S)	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
120070 0255	B	01/06/88	01/06/88	AE	36 ft.

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe):____

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe):____

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

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

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

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.
Datum NGVD 29 Conversion/Comments____
Elevation reference mark used USC&GS Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

o a) Top of bottom floor (including basement or enclosure)	37. 2 ft.(m)
o b) Top of next higher floor	46. 7 ft.(m)
o c) Bottom of lowest horizontal structural member (V zones only)	N/A. __ ft.(m)
o d) Attached garage (top of slab)	N/A. __ ft.(m)
o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area)	37. 4 ft.(m)
o f) Lowest adjacent (finished) grade (LAG)	35. 2 ft.(m)
o g) Highest adjacent (finished) grade (HAG)	36. 1 ft.(m)
o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade N/A	
o i) Total area of all permanent openings (flood vents) in C3.h N/A sq. in. (sq. cm)	

License Number, Embossed Seal, Signature, and Date

4/27/06
#6348

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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

CERTIFIER'S NAME KENNETH B. SARRIO LICENSE NUMBER 6348

TITLEPROFESSIONAL SURVEYOR & MAPPER COMPANY NAME DOVE & ASSOCIATES LAND SURVEYING INC

ADDRESS	CITY	STATE	ZIP CODE
1762 FOLWER ST	FORT MYERS	FL	33901

SIGNATURE	DATE	TELEPHONE
Kenneth Sarrio	4/10/06	239-332-7500

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

For Insurance Company Use:

BUILDING OWNER'S NAME
William B. & Joyce W. Carter Permit #24205

Policy Number

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968 S.W. Bluff Drive

Company NAIC Number

CITY	STATE	ZIP CODE
Fort White	FI	32038

PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 33, Cedar Springs Shores, Unit No. 5

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Accessory (Garage & Storage)

LATITUDE/LONGITUDE (OPTIONAL) (##° - ## - ##.## or ##.######°)
HORIZONTAL DATUM: ☐ NAD 1927 ☐ NAD 1983
SOURCE: ☐ GPS (Type):____ ☐ USGS Quad Map ☐ Other: ____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER	B2. COUNTY NAME	B3. STATE
Columbia Conty Unincorporated 120070	Columbia	Fl

B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S)	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
120070 0255	B	01/06/88	01/06/88	AE	36 ft.

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe): ____

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe): ____

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

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

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

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

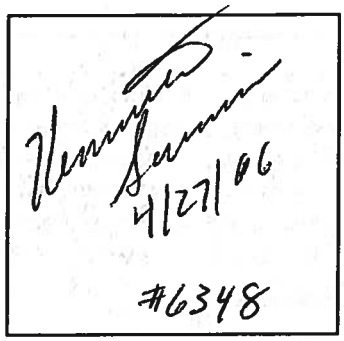
C3. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum NGVD 29 Conversion/Comments ____

Elevation reference mark used USC&GS Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

o a) Top of bottom floor (including basement or enclosure)	37. 2 ft.(m)
o b) Top of next higher floor	46. 7 ft.(m)
o c) Bottom of lowest horizontal structural member (V zones only)	N/A. __ ft.(m)
o d) Attached garage (top of slab)	N/A. __ ft.(m)
o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area)	37. 4 ft.(m)
o f) Lowest adjacent (finished) grade (LAG)	35. 2 ft.(m)
o g) Highest adjacent (finished) grade (HAG)	36. 1 ft.(m)
o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade N/A	
o i) Total area of all permanent openings (flood vents) in C3.h N/A sq. in. (sq. cm)	

License Number, Embossed Seal, Signature, and Date



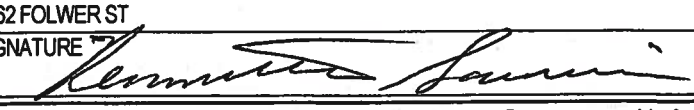
SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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

CERTIFIER'S NAME KENNETH B. SARRIO LICENSE NUMBER 6348

TITLE PROFESSIONAL SURVEYOR & MAPPER COMPANY NAME DOVE & ASSOCIATES LAND SURVEYING INC

ADDRESS	CITY	STATE	ZIP CODE
1762 FOLWER ST	FORT MYERS	FL	33901

SIGNATURE  DATE 4/10/06 TELEPHONE 239-332-7500

RE: BCGARAGE - BILL CARTER GARAGE

MiTek Industries, Inc.
1801 Massaro Blvd.
Tampa, Fl 33619
Phone: 813/675-1200
Fax: 813/675-1148

Site Information:
Project Customer: BILL CARTER Project Name: 30'x24' GARAGE
Lot/Block: Subdivision:
Address:
City: FT. WHITE State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2004/TPI2002 Design Program: MiTek 20/20 6.2
Wind Code: N/A Wind Speed: 110 mph Design Method: User defined
Roof Load: 60.0 psf Floor Load: 55.0 psf

This package includes 9 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date
1	T1931838	BCGARAGE	1A	12/29/05
2	T1931839	BCGARAGE	1B	12/29/05
3	T1931840	BCGARAGE	1C	12/29/05
4	T1931841	BCGARAGE	1C1	12/29/05
5	T1931842	BCGARAGE	FG	12/29/05
6	T1931843	BCGARAGE	M1	12/29/05
7	T1931844	BCGARAGE	M2	12/29/05
8	T1931845	BCGARAGE	PB	12/29/05
9	T1931846	BCGARAGE	PB1	12/29/05

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Cox Lumber-Ocala, FL.

Truss Design Engineer's Name: Zhang, Guo-jie
My license renewal date for the state of is February 28, 2007.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

December 29,2005

Zhang, Guo-jie

Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE	T1931838
BCGARAGE	1A	ATTIC	10	1	Job Reference (optional)	

COX LUMBER CO., OCALA, FL., COX LUMBER CO. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Dec 29 09:38:09 2005 Page 1

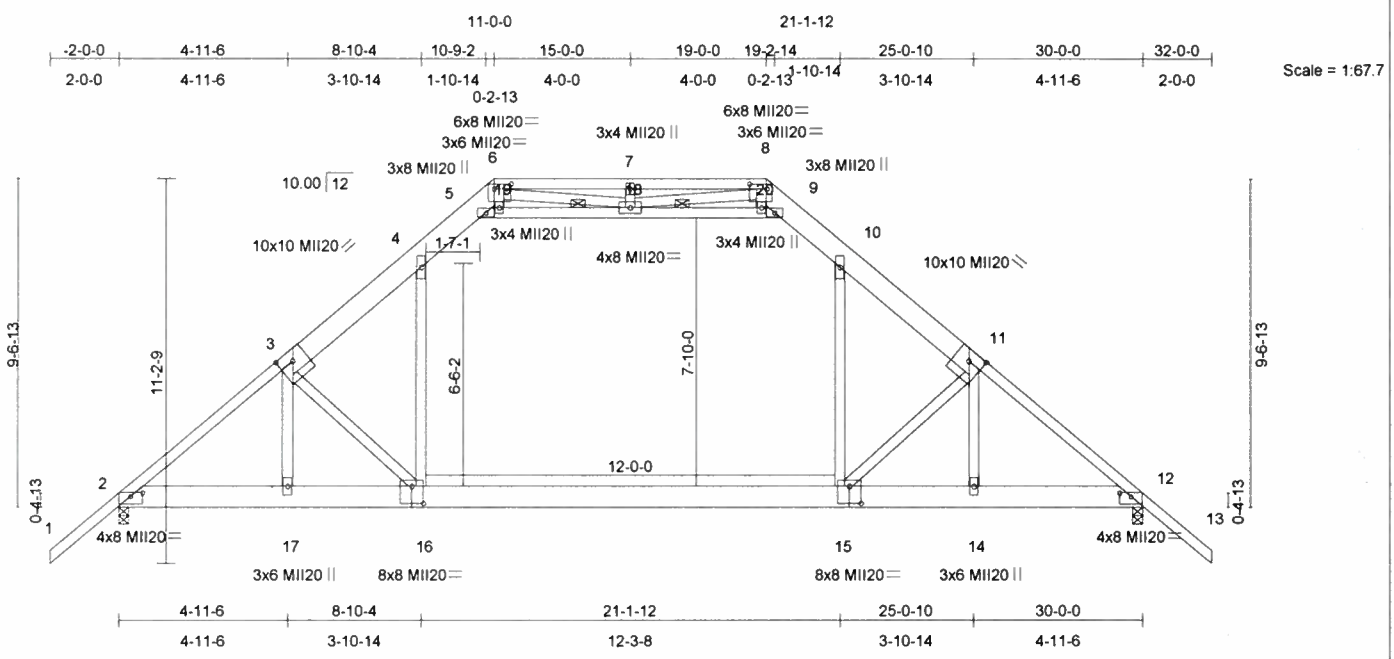


Plate Offsets (X,Y): [2:0-4-0,0-1-4], [6:0-6-0,0-1-12], [8:0-6-0,0-1-12], [12:0-4-0,0-1-4], [15:0-4-0,0-6-0], [16:0-4-0,0-6-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.55	Vert(LL)	-0.30	15-16	>999	360	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.43	Vert(TL)	-0.43	15-16	>836	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.45	Horz(TL)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 254 lb	

LUMBER
TOP CHORD 2 X 8 SYP SS *Except*
6-8 2 X 4 SYP No.3, 1-3 2 X 4 SYP No.2, 11-13 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 2 Rows at 1/3 pts 5-9

REACTIONS (lb/size) 2=2114/0-3-8, 12=2114/0-3-8
Max Horz 2=326(load case 3)
Max Uplift2=-394(load case 4), 12=-394(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/101, 2-3=-2711/297, 3-4=-2691/326, 4-5=-1785/317, 5-6=-360/335, 8-9=-360/334, 9-10=-1785/317, 10-11=-2691/325, 11-12=-2711/299, 12-13=0/101, 6-7=0/689, 7-8=0/689
BOT CHORD 2-17=-350/2013, 16-17=-346/2025, 15-16=-163/1885, 14-15=-93/2025, 12-14=-91/2013
WEBS 5-19=-2217/446, 18-19=-2111/429, 18-20=-2111/428, 9-20=-2217/445, 4-16=-54/1158, 10-15=-55/1158, 3-17=-344/158, 11-14=-344/161, 3-16=-272/288, 11-15=-274/290, 7-18=-267/146, 6-19=-96/529, 8-20=-96/529, 6-18=-572/85, 8-18=-573/85

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-19, 18-19, 18-20, 9-20
6) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-16
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 394 lb uplift at joint 2 and 394 lb uplift at joint 12.

LOAD CASE(S) Standard

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MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

December 29,2005

Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE	T1931839
BCGARAGE	1B	ATTIC	1	2	Job Reference (optional)	

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Scale = 1:67.7

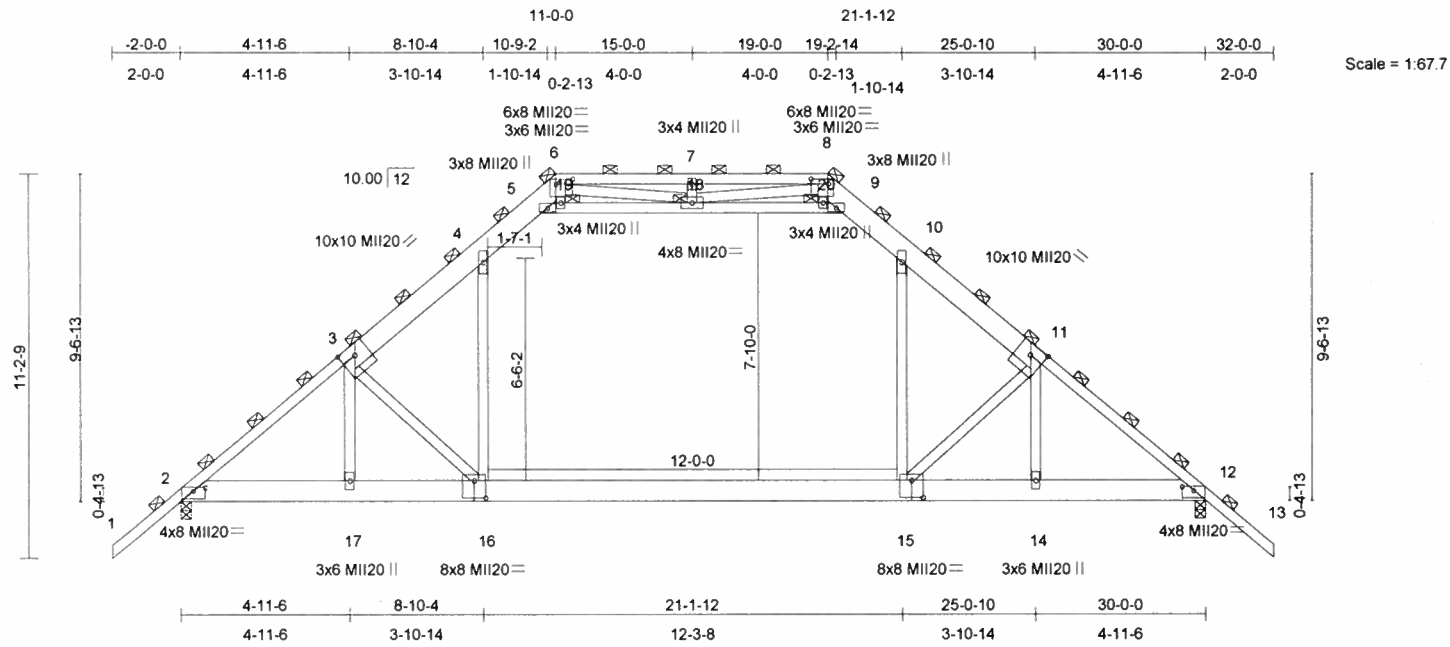

Plate Offsets (X,Y): [2:0-4-0,0-1-4], [6:0-6-0,0-1-12], [8:0-6-0,0-1-12], [12:0-4-0,0-1-4], [15:0-4-0,0-6-0], [16:0-4-0,0-6-0]

LOADING (psf)		SPACING	3-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.53	Vert(LL)	-0.24	15-16	>999	360	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.38	Vert(TL)	-0.36	15-16	>997	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.34	Horz(TL)	0.04	12	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 508 lb	

LUMBER
TOP CHORD 2 X 8 SYP SS *Except*
6-8 2 X 4 SYP No.3, 1-3 2 X 4 SYP No.2, 11-13 2 X 4 SYP No.2
BOT CHORD 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD 2-0-0 oc purlins (6-0-0 max.)
(Switched from sheeted: Spacing > 2-0-0).
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
JOINTS 1 Brace at Jt(s): 6, 8, 18, 19, 20

REACTIONS (lb/size) 2=3605/0-3-8, 12=3736/0-3-8
Max Horz 2=489(load case 3)
Max Uplift2=-719(load case 4), 12=-757(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/151, 2-3=-4752/648, 3-4=-4672/676, 4-5=-2985/566, 5-6=-505/489, 8-9=-423/457, 9-10=-3022/577, 10-11=-4610/657, 11-12=-4912/697, 12-13=0/151, 6-7=-92/1184, 7-8=-92/1184
BOT CHORD 2-17=-727/3551, 16-17=-721/3568, 15-16=-407/3253, 14-15=-328/3678, 12-14=-329/3673
WEBS 5-19=-3829/818, 18-19=-3656/789, 18-20=-3905/860, 9-20=-4093/894, 4-16=-235/2258, 10-15=-188/2099, 3-17=-459/216, 11-14=-313/97, 3-16=-485/479, 11-15=-646/529, 7-18=-416/225, 6-19=-173/870, 8-20=-198/938, 6-18=-722/232, 8-18=-819/159

NOTES
1) 2-ply truss to be connected together with 10d Common(.148"x3") Nails as follows:
Top chords connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 8 - 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.
3) This truss has been checked for uniform roof live load only, except as noted.
4) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
5) Provide adequate drainage to prevent water ponding.
6) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
7) Ceiling dead load (5.0 psf) on member(s). 4-5, 9-10, 5-19, 18-19, 18-20, 9-20
8) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 15-16
9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 719 lb uplift at joint 2 and 757 lb uplift at joint 12.
10) Design assumes 4x2 (flat orientation) purlins at oc spacing indicated, fastened to truss TC w/ 2-10d nails.
11) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 500 lb down and 191 lb up at 8-10-8, and 500 lb down and 191 lb up at 25-1-8 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

Continued on page 2

LOAD CASE(S) Standard

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MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

December 29,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

LOAD CASE(S) Standard

1) Regular: Lumber Increase=1.33, Plate Increase=1.33

Uniform Loads (plf)

Vert: 2-16=-30, 15-16=-150, 12-15=-30, 1-4=-111, 4-5=-131, 5-6=-111, 8-9=-111, 9-10=-131, 10-13=-111, 5-19=-15, 19-20=-15, 9-20=-15, 6-8=-111

Concentrated Loads (lb)

Vert: 16=-500(F) 14=-500(F)

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE	T1931840
BCGARAGE	1C	ROOF TRUSS	1	1	Job Reference (optional)	

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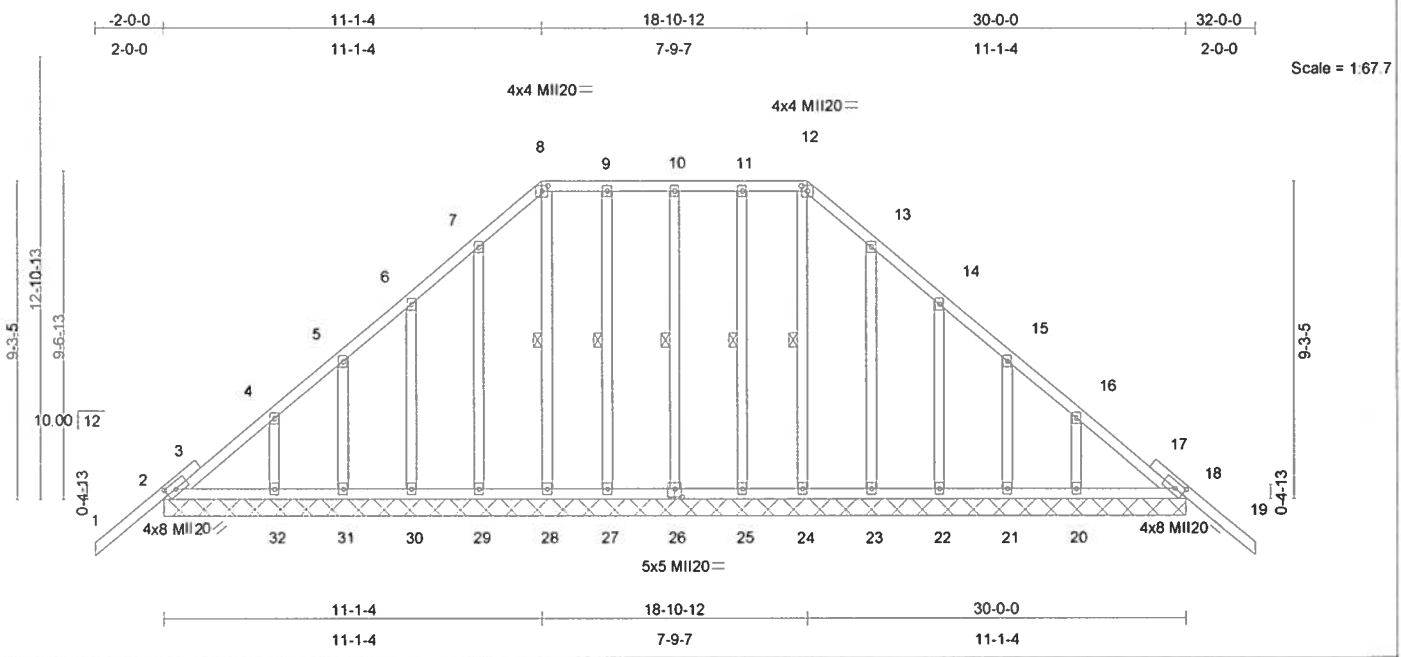

Plate Offsets (X,Y): [2:0-3-4,0-2-3], [8:0-2-0,0-1-13], [12:0-2-0,0-1-13], [18:0-3-4,0-2-3], [26:0-2-8,0-3-0]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.90	Vert(LL)	-0.04	19	n/r	180	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.24	Vert(TL)	-0.05	19	n/r	120		
BCLL	0.0	Rep Stress Incr	NO	WB	0.14	Horz(TL)	0.01	18	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 230 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.3
BOT CHORD 2 X 4 SYP No.3
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 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-28, 10-26, 11-25, 9-27, 12-24

REACTIONS (lb/size) 2=340/30-0-0, 18=340/30-0-0, 28=164/30-0-0, 26=191/30-0-0, 25=181/30-0-0, 27=181/30-0-0, 23=182/30-0-0, 22=192/30-0-0, 21=175/30-0-0, 24=164/30-0-0, 20=228/30-0-0, 29=182/30-0-0, 30=192/30-0-0, 31=175/30-0-0, 32=228/30-0-0
Max Horz 2=-320(load case 2)
Max Uplift 2=-127(load case 2), 18=-151(load case 5), 28=-31(load case 3), 26=-77(load case 2), 25=-74(load case 3), 27=-68(load case 3), 23=-107(load case 5), 22=-120(load case 5), 21=-142(load case 5), 20=-66(load case 4), 29=-110(load case 4), 30=-118(load case 4), 31=-145(load case 4), 32=-76(load case 5)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/93, 2-3=-247/213, 3-4=-238/230, 4-5=-179/215, 5-6=-109/208, 6-7=-64/251, 7-8=-61/311, 12-13=-61/299, 13-14=-64/207, 14-15=-62/105, 15-16=-67/88, 16-17=-119/111, 17-18=-129/95, 18-19=0/93, 8-9=-11/266, 9-10=-10/266, 10-11=-10/266, 11-12=-11/266
BOT CHORD 2-32=-52/253, 31-32=-52/253, 30-31=-52/253, 29-30=-52/253, 28-29=-52/253, 27-28=-51/251, 26-27=-51/251, 25-26=-51/251, 24-25=-51/251, 23-24=-51/253, 22-23=-51/253, 21-22=-51/253, 20-21=-51/253, 18-20=-51/253
WEBS 8-28=-132/49, 10-26=-150/98, 11-25=-144/92, 9-27=-144/86, 13-23=-142/126, 14-22=-151/143, 15-21=-140/149, 12-24=-127/0, 16-20=-174/112, 7-29=-142/129, 6-30=-151/142, 5-31=-140/151, 4-32=-174/105

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) Provide adequate drainage to prevent water ponding.
4) All plates are 3x4 MII20 unless otherwise indicated.
5) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
6) Gable requires continuous bottom chord bearing.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 127 lb uplift at joint 2, 151 lb uplift at joint 18, 31 lb uplift at joint 28, 77 lb uplift at joint 26, 74 lb uplift at joint 25, 68 lb uplift at joint 27, 107 lb uplift at joint 23, 120 lb uplift at joint 22, 142 lb uplift at joint 21, 66 lb uplift at joint 20, 110 lb uplift at joint 29, 118 lb uplift at joint 30, 145 lb uplift at joint 31 and 76 lb uplift at joint 32.

LOAD CASE(S) Standard

Guo-Jie Zhang, FL Lic #47744
MiTek Industries, Inc.
1801 Massaro Blvd
Tampa FL 33619
FL Cert.#6634

December 29,2005

1801 Massaro Blvd.
Tampa, FL 33619

MiTek®

Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE
BCGARAGE	1C1	ROOF TRUSS	1	1	T1931841
					Job Reference (optional)

COX LUMBER CO., OCALA, FL., COX LUMBER CO. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Dec 29 09:38:13 2005 Page 1

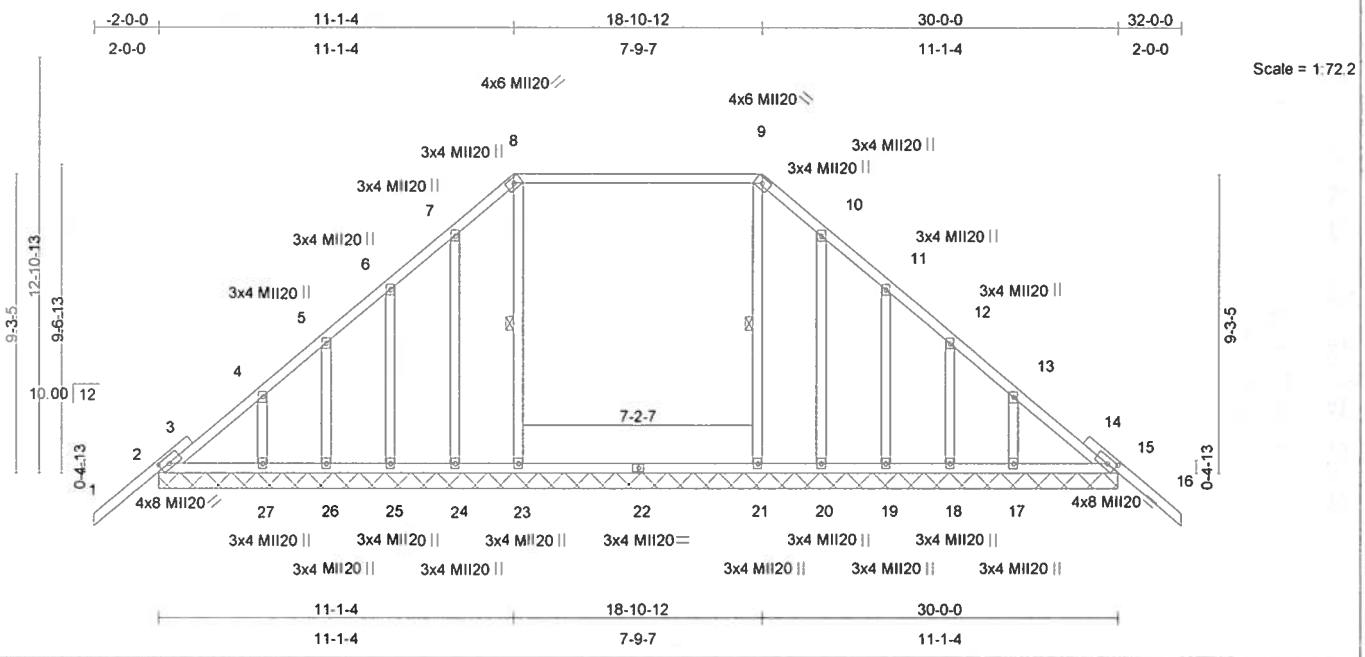

Plate Offsets (X,Y): [2:0-3-4,0-2-3], [15:0-3-4,0-2-3]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.90	Vert(LL)	-0.04	16	n/r	180	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.31	Vert(TL)	-0.05	16	n/r	120		
BCLL	0.0	Rep Stress Incr	NO	WB	0.19	Horz(TL)	0.01	15	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 191 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.3 *Except*
2-8 2 X 4 SYP No.2, 9-15 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.3
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 10-0-0 oc bracing.
WEBS 1 Row at midpt 8-23, 9-21

REACTIONS (lb/size) 2=393/30-0-0, 15=393/30-0-0, 23=618/30-0-0, 20=-104/30-0-0, 19=249/30-0-0, 18=159/30-0-0, 21=618/30-0-0, 17=242/30-0-0, 24=-104/30-0-0, 25=249/30-0-0, 26=159/30-0-0, 27=242/30-0-0
Max Horz 2=-320(load case 2)
Max Uplift 2=-161(load case 2), 15=-168(load case 5), 23=-195(load case 3), 20=-104(load case 1), 19=-123(load case 5), 18=-140(load case 5), 21=-146(load case 3), 17=-70(load case 4), 24=-104(load case 1), 25=-121(load case 4), 26=-144(load case 4), 27=-80(load case 5)
Max Grav 2=393(load case 1), 15=393(load case 1), 23=618(load case 1), 20=166(load case 3), 19=249(load case 1), 18=159(load case 1), 21=618(load case 1), 17=242(load case 1), 24=168(load case 2), 25=249(load case 1), 26=159(load case 1), 27=242(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/93, 2-3=-193/272, 3-4=-184/290, 4-5=-166/279, 5-6=-154/267, 6-7=-182/287, 7-8=-34/308, 9-10=-34/296, 10-11=-182/243, 11-12=-154/137, 12-13=-166/146, 13-14=-112/165, 14-15=-179/149, 15-16=0/93, 8-9=-78/288
BOT CHORD 2-27=-95/230, 26-27=-95/230, 25-26=-95/230, 24-25=-95/230, 23-24=-95/230, 22-23=-91/229, 21-22=-91/229, 20-21=-94/229, 19-20=-94/229, 18-19=-94/229, 17-18=-94/229, 15-17=-94/229
WEBS 8-23=-475/266, 10-20=-177/83, 11-19=-191/155, 12-18=-130/146, 9-21=-475/217, 13-17=-185/114, 7-24=-179/83, 6-25=-191/153, 5-26=-130/149, 4-27=-185/108

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 161 lb uplift at joint 2, 168 lb uplift at joint 15, 195 lb uplift at joint 23, 104 lb uplift at joint 20, 123 lb uplift at joint 19, 140 lb uplift at joint 18, 146 lb uplift at joint 21, 70 lb uplift at joint 17, 104 lb uplift at joint 24, 121 lb uplift at joint 25, 144 lb uplift at joint 26 and 80 lb uplift at joint 27.

LOAD CASE(S) Standard

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FL Cert.#6634

December 29,2005

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Tampa, FL 33619

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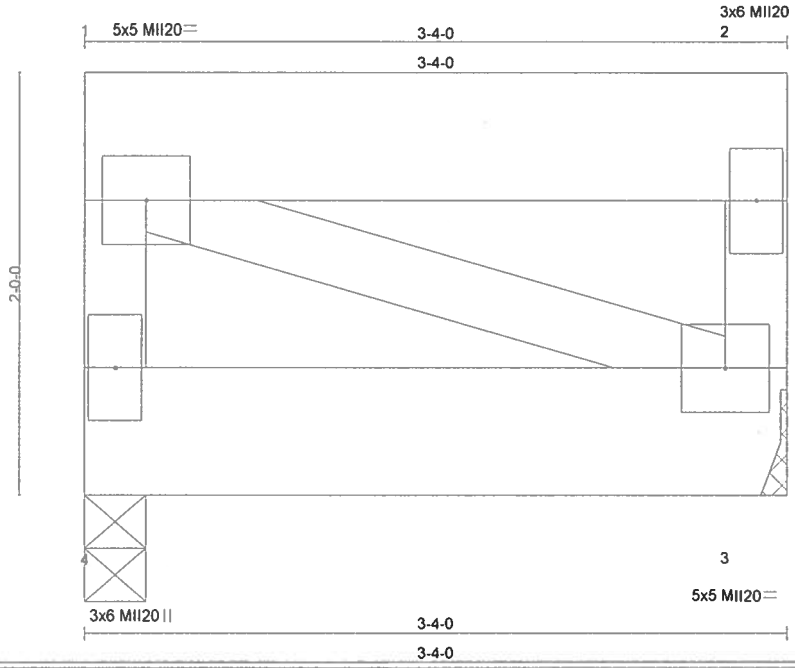
Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE
BCGARAGE	FG	FLAT	2	1	T1931842

Job Reference (optional)

COX LUMBER CO., OCALA, FL, COX LUMBER CO. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Dec 29 09:38:14 2005 Page 1



Scale = 1:11.0

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.05	Vert(LL)	-0.00	3-4	>999	360	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.08	Vert(TL)	-0.01	3-4	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.01	Horz(TL)	0.00	3	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

LUMBER
TOP CHORD 2 X 8 SYP SS
BOT CHORD 2 X 8 SYP SS
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-4-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 4=447/0-3-8, 3=447/Mechanical
Max Horz 4=-60(load case 2)
Max Uplift4=-146(load case 2), 3=-146(load case 3)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-4=-113/71, 1-2=-13/17, 2-3=-113/57
BOT CHORD 3-4=-43/47
WEBS 1-3=-33/33

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) Provide adequate drainage to prevent water ponding.
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Refer to girder(s) for truss to truss connections.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 146 lb uplift at joint 4 and 146 lb uplift at joint 3.
7) 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=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 3-4=-220(F=-200), 1-2=-74

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Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE
BCGARAGE	M1	ROOF TRUSS	1	1	T1931843

Job Reference (optional)

COX LUMBER CO., OCALA, FL, COX LUMBER CO. 6.200 s Oct 18 2005 MiTek Industries, Inc. Thu Dec 29 09:38:14 2005 Page 1

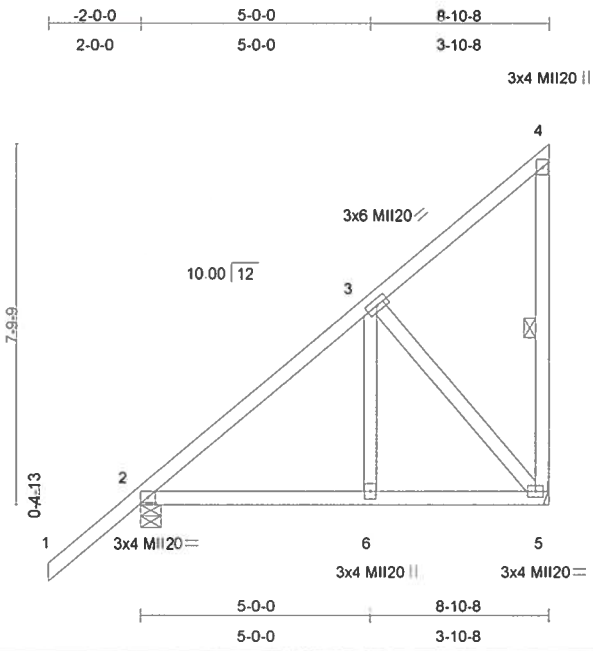

Plate Offsets (X,Y): [2:0-2-1,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.91	Vert(LL)	-0.00	6	>999	360	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.19	Vert(TL)	-0.03	2-6	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.18	Horz(TL)	0.00	5	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 59 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt 4-5

REACTIONS (lb/size) 5=378/Mechanical, 2=586/0-5-8
Max Horz 2=362(load case 3)
Max Uplift5=-170(load case 3), 2=-197(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/96, 2-3=-416/90, 3-4=-140/144, 4-5=-106/105
BOT CHORD 2-6=-137/217, 5-6=-137/217
WEBS 3-6=0/105, 3-5=-328/195

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 170 lb uplift at joint 5 and 197 lb uplift at joint 2.

LOAD CASE(S) Standard

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December 29,2005

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Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE
BCGARAGE	M2	ROOF TRUSS	1	1	T1931844
					Job Reference (optional)

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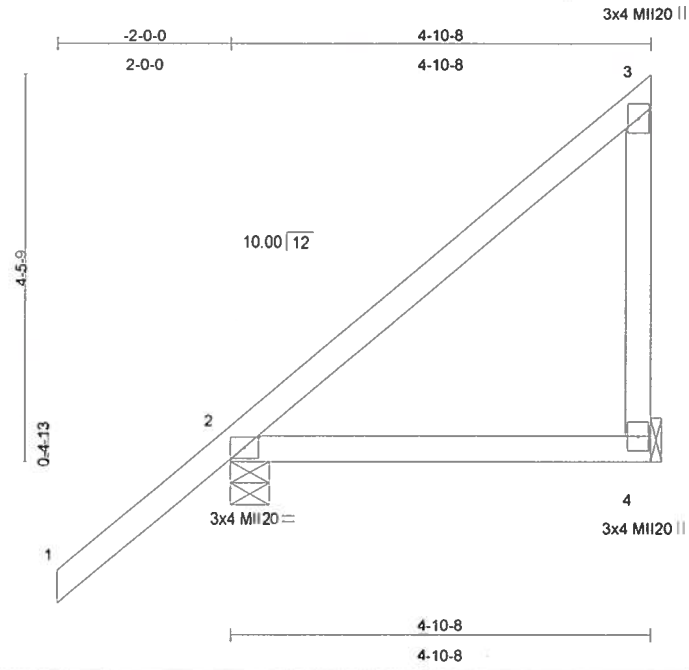

Plate Offsets (X,Y): [2:0-2-1,0-1-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.90	Vert(LL)	0.00	2	****	360	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.16	Vert(TL)	-0.04	2-4	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.05	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 27 lb	

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

BRACING
TOP CHORD Structural wood sheathing directly applied or 2-2-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=417/0-5-8, 4=171/Mechanical
Max Horz 2=288(load case 4)
Max Uplift2=-155(load case 4), 4=-95(load case 4)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=0/96, 2-3=-138/61
BOT CHORD 2-4=0/0
WEBS 3-4=-126/118

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Refer to girder(s) for truss to truss connections.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 155 lb uplift at joint 2 and 95 lb uplift at joint 4.

LOAD CASE(S) Standard

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December 29,2005

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Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE	T1931845
BCGARAGE	PB	PIGGYBACK	11	1	Job Reference (optional)	

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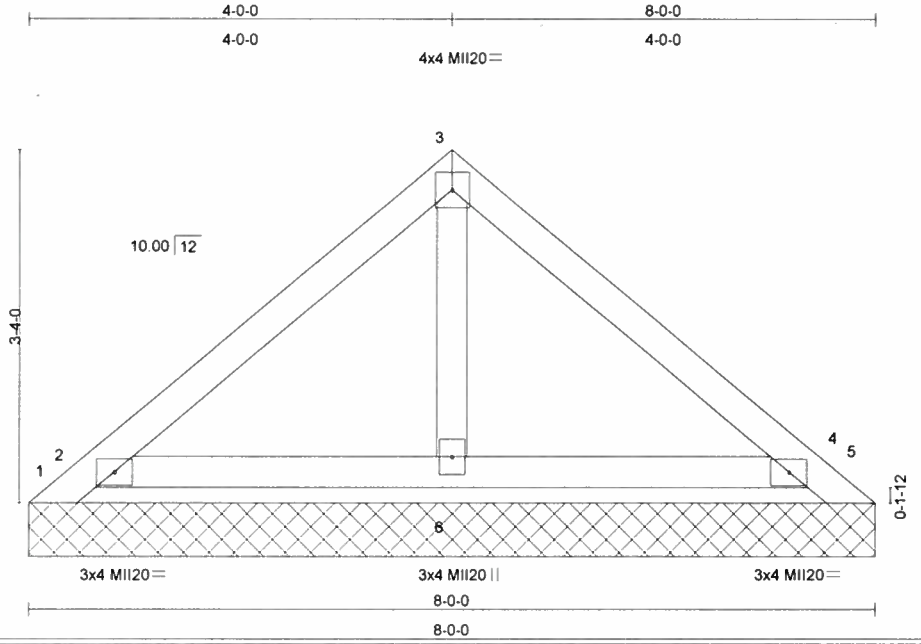

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.36	Vert(LL)	n/a	-	n/a	999	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.11	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 29 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.3
BOT CHORD 2 X 4 SYP No.3
OTHERS 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 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-215/8-0-0, 5=-215/8-0-0, 2=453/8-0-0, 4=453/8-0-0, 6=237/8-0-0
Max Horz 1=-109(load case 2)
Max Uplift 1=-215(load case 1), 5=-215(load case 1), 2=-336(load case 4), 4=-313(load case 5)
Max Grav 1=245(load case 4), 5=213(load case 5), 2=453(load case 1), 4=453(load case 1), 6=237(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-213/164, 2-3=-130/63, 3-4=-130/50, 4-5=-125/149
BOT CHORD 2-6=-24/65, 4-6=-24/65
WEBS 3-6=-153/35

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
4) Gable requires continuous bottom chord bearing.
5) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 215 lb uplift at joint 1, 215 lb uplift at joint 5, 336 lb uplift at joint 2 and 313 lb uplift at joint 4.
6) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 4, 6.
7) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.

SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS
LOAD CASE(S) Standard

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Job	Truss	Truss Type	Qty	Ply	BILL CARTER GARAGE
BCGARAGE	PB1	PIGGYBACK	2	1	T1931846
					Job Reference (optional)

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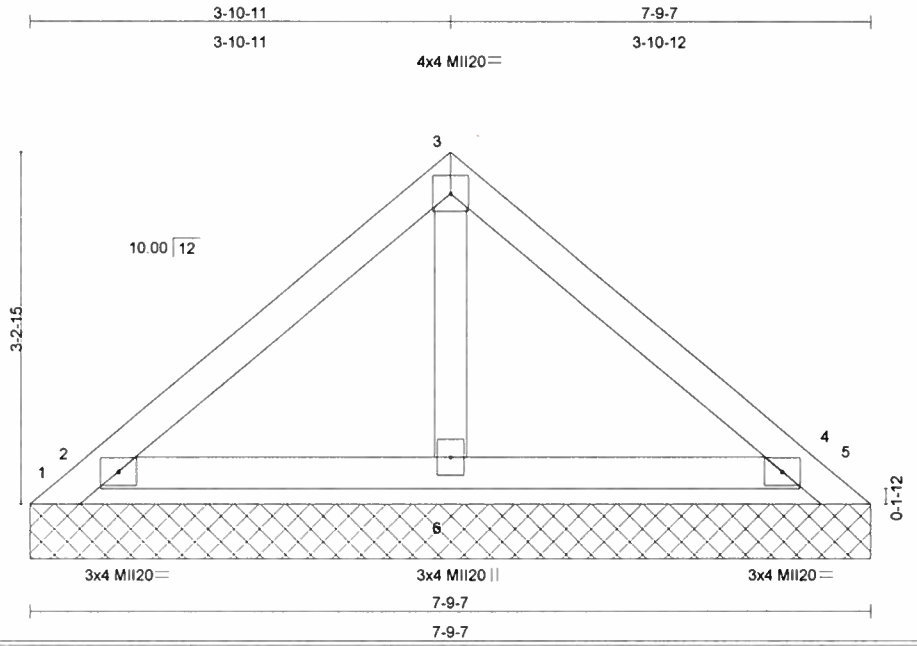

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.38	Vert(LL)	n/a	-	n/a	999	MII20	249/190
TCDL	7.0	Lumber Increase	1.33	BC	0.10	Vert(TL)	n/a	-	n/a	999		
BCLL	0.0	Rep Stress Incr	NO	WB	0.03	Horz(TL)	0.00	4	n/a	n/a		
BCDL	10.0	Code FBC2004/TPI2002		(Matrix)							Weight: 28 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.3
BOT CHORD 2 X 4 SYP No.3
OTHERS 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 10-0-0 oc bracing.

REACTIONS (lb/size) 1=-182/7-9-7, 5=-182/7-9-7, 2=414/7-9-7, 4=414/7-9-7, 6=227/7-9-7
Max Horz 1=-106(load case 2)
Max Uplift 1=-182(load case 1), 5=-182(load case 1), 2=-302(load case 4), 4=-281(load case 5)
Max Grav 1=213(load case 4), 5=184(load case 5), 2=414(load case 1), 4=414(load case 1), 6=227(load case 1)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-193/153, 2-3=-126/61, 3-4=-126/49, 4-5=-103/126
BOT CHORD 2-6=-23/64, 4-6=-23/64
WEBS 3-6=-146/34

NOTES
1) This truss has been checked for uniform roof live load only, except as noted.
2) Wind: ASCE 7-02; 110mph (3-second gust); h=15ft; TCDL=4.2psf; BCDL=5.0psf; Category II; Exp B; enclosed; MWFRS gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.00 plate grip DOL=1.00.
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see MiTek "Standard Gable End Detail"
4) This truss requires plate inspection per the Tooth Count Method when this truss is chosen for quality assurance inspection.
5) Gable requires continuous bottom chord bearing.
6) Gable studs spaced at 4-0-0 oc.
7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 182 lb uplift at joint 1, 182 lb uplift at joint 5, 302 lb uplift at joint 2 and 281 lb uplift at joint 4.
8) Beveled plate or shim required to provide full bearing surface with truss chord at joint(s) 2, 4, 6.
9) Gap between inside of top chord bearing and first diagonal or vertical web shall not exceed 0.500in.
SEE MiTek STANDARD PIGGYBACK TRUSS CONNECTION DETAIL FOR CONNECTION TO BASE TRUSS

LOAD CASE(S) Standard

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FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

For Insurance Company Use:

BUILDING OWNER'S NAME
William B. & Joyce W. Carter Permit #24205

Policy Number

BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.
968 S.W. Bluff Drive

Company NAIC Number

CITY	STATE	ZIP CODE
Fort White	Fl	32038

PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 33, Cedar Springs Shores, Unit No. 5

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Accessory (Garage & Storage)

LATITUDE/LONGITUDE (OPTIONAL) (##° - ## - ##.## or ##.######°)
HORIZONTAL DATUM: ☐ NAD 1927 ☐ NAD 1983
SOURCE: ☐ GPS (Type):____ ☐ USGS Quad Map ☐ Other: ____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER	B2. COUNTY NAME	B3. STATE
Columbia Conty Unincorporated 120070	Columbia	Fl.

B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S)	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
120070 0255	B	01/06/88	01/06/88	AE	36 ft.

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe):____

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe):____

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

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO

Complete Items C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum NGVD 29 Conversion/Comments ____

Elevation reference mark used USC&GS Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

o a) Top of bottom floor (including basement or enclosure)	37. 2 ft.(m)
o b) Top of next higher floor	46. 7 ft.(m)
o c) Bottom of lowest horizontal structural member (V zones only)	N/A. __ ft.(m)
o d) Attached garage (top of slab)	N/A. __ ft.(m)
o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area)	37. 4 ft.(m)
o f) Lowest adjacent (finished) grade (LAG)	35. 2 ft.(m)
o g) Highest adjacent (finished) grade (HAG)	36. 1 ft.(m)
o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade N/A	
o i) Total area of all permanent openings (flood vents) in C3.h N/A sq. in. (sq. cm)	

License Number, Embossed Seal, Signature, and Date

4/27/06
#6348

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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

CERTIFIER'S NAME KENNETH B. SARRIO LICENSE NUMBER 6348

TITLEPROFESSIONAL SURVEYOR & MAPPER COMPANY NAME DOVE & ASSOCIATES LAND SURVEYING INC

ADDRESS	CITY	STATE	ZIP CODE
1762 FOLWER ST	FORT MYERS	FL	33901

SIGNATURE Kenneth Sarrio DATE 4/10/06 TELEPHONE 239-332-7500

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.			Policy Number
CITY	STATE	ZIP CODE	Company NAIC Number

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

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

COMMENTS
ITEM IN C3e IS AIR CONDITIONING EQUIPMENT

☐ Check here if attachments

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

For Zone AO and Zone A (without BFE), complete Items E1 through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

E1. Building Diagram Number _(Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

E2. The top of the bottom floor (including basement or enclosure) of the building is __ ft.(m) __in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is __ ft.(m) __in.(cm) above the highest adjacent grade. Complete items C3.h and C3.i on front of form.

E4. The top of the platform of machinery and/or equipment servicing the building is __ ft.(m) __in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E5. For Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?
☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

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

The property owner or owner's authorized representative who completes Sections A, B, C (Items C3.h and C3.i only), and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, C, and E are correct to the best of my knowledge.*

PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME

ADDRESS | CITY | STATE | ZIP CODE

SIGNATURE | DATE | TELEPHONE

COMMENTS

☐ Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below.

G1. ☐ The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. PERMIT NUMBER	G5. DATE PERMIT ISSUED	G6. DATE CERTIFICATE OF COMPLIANCE/OCCUPANCY ISSUED

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building is: ___._ ft.(m) Datum: ____

G9. BFE or (in Zone AO) depth of flooding at the building site is: ___._ ft.(m) Datum: ____

LOCAL OFFICIAL'S NAME | TITLE

COMMUNITY NAME | TELEPHONE

SIGNATURE | DATE

COMMENTS

☐ Check here if attachments

FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM

O.M.B. No. 3067-0077
Expires December 31, 2005

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1 - 7.

SECTION A - PROPERTY OWNER INFORMATION

For Insurance Company Use:

BUILDING OWNER'S NAME
William B. & Joyce W. Carter Permit #24205

Policy Number

BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.
968 S.W. Bluff Drive

Company NAIC Number

CITY	STATE	ZIP CODE
Fort White	FI	32038

PROPERTY DESCRIPTION (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
Lot 33, Cedar Springs Shores, Unit No. 5

BUILDING USE (e.g., Residential, Non-residential, Addition, Accessory, etc. Use a Comments area, if necessary.)
Accessory (Garage & Storage)

LATITUDE/LONGITUDE (OPTIONAL) (##° - ## - ##.## or ##.######°)
HORIZONTAL DATUM: ☐ NAD 1927 ☐ NAD 1983
SOURCE: ☐ GPS (Type):____ ☐ USGS Quad Map ☐ Other: ____

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP COMMUNITY NAME & COMMUNITY NUMBER	B2. COUNTY NAME	B3. STATE
Columbia Conty Unincorporated 120070	Columbia	FL

B4. MAP AND PANEL NUMBER	B5. SUFFIX	B6. FIRM INDEX DATE	B7. FIRM PANEL EFFECTIVE/REVISED DATE	B8. FLOOD ZONE(S)	B9. BASE FLOOD ELEVATION(S) (Zone AO, use depth of flooding)
120070 0255	B	01/06/88	01/06/88	AE	36 ft.

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in B9.
☐ FIS Profile ☒ FIRM ☐ Community Determined ☐ Other (Describe): ____

B11. Indicate the elevation datum used for the BFE in B9: ☒ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe): ____

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

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

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

C2. Building Diagram Number 1 (Select the building diagram most similar to the building for which this certificate is being completed - see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

C3. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO
Complete Items C3.-a-i below according to the building diagram specified in Item C2. State the datum used. If the datum is different from the datum used for the BFE in Section B, convert the datum to that used for the BFE. Show field measurements and datum conversion calculation. Use the space provided or the Comments area of Section D or Section G, as appropriate, to document the datum conversion.

Datum NGVD 29 Conversion/Comments ____

Elevation reference mark used USC&GS Does the elevation reference mark used appear on the FIRM? ☐ Yes ☒ No

o a) Top of bottom floor (including basement or enclosure)	37. 2 ft.(m)
o b) Top of next higher floor	46. 7 ft.(m)
o c) Bottom of lowest horizontal structural member (V zones only)	N/A. __ ft.(m)
o d) Attached garage (top of slab)	N/A. __ ft.(m)
o e) Lowest elevation of machinery and/or equipment servicing the building (Describe in a Comments area)	37. 4 ft.(m)
o f) Lowest adjacent (finished) grade (LAG)	35. 2 ft.(m)
o g) Highest adjacent (finished) grade (HAG)	36. 1 ft.(m)
o h) No. of permanent openings (flood vents) within 1 ft. above adjacent grade N/A	
o i) Total area of all permanent openings (flood vents) in C3.h N/A sq. in. (sq. cm)	

License Number, Embossed Seal, Signature, and Date

4/27/06
#6348

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

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

CERTIFIER'S NAME KENNETH B. SARRIO LICENSE NUMBER 6348

TITLEPROFESSIONAL SURVEYOR & MAPPER COMPANY NAME DOVE & ASSOCIATES LAND SURVEYING INC

ADDRESS	CITY	STATE	ZIP CODE
1762 FOLWER ST	FORT MYERS	FL	33901

SIGNATURE DATE 4/10/06 TELEPHONE 239-332-7500

IMPORTANT: In these spaces, copy the corresponding information from Section A.			For Insurance Company Use:
BUILDING STREET ADDRESS (Including Apt., Unit, Suite, and/or Bldg. No.) OR P.O. ROUTE AND BOX NO.			Policy Number
CITY	STATE	ZIP CODE	Company NAIC Number

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

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

COMMENTS
ITEM IN C3e IS AIR CONDITIONING EQUIPMENT

☐ Check here if attachments

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

For Zone AO and Zone A (without BFE), complete Items E1 through E4. If the Elevation Certificate is intended for use as supporting information for a LOMA or LOMR-F, Section C must be completed.

E1. Building Diagram Number _(Select the building diagram most similar to the building for which this certificate is being completed – see pages 6 and 7. If no diagram accurately represents the building, provide a sketch or photograph.)

E2. The top of the bottom floor (including basement or enclosure) of the building is __ ft.(m) __in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E3. For Building Diagrams 6-8 with openings (see page 7), the next higher floor or elevated floor (elevation b) of the building is __ ft.(m) __in.(cm) above the highest adjacent grade. Complete items C3.h and C3.i on front of form.

E4. The top of the platform of machinery and/or equipment servicing the building is __ ft.(m) __in.(cm) ☐ above or ☐ below (check one) the highest adjacent grade. (Use natural grade, if available).

E5. For Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?
☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

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

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PROPERTY OWNER'S OR OWNER'S AUTHORIZED REPRESENTATIVE'S NAME

ADDRESS | CITY | STATE | ZIP CODE

SIGNATURE | DATE | TELEPHONE

COMMENTS

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G1. ☐ The information in Section C was taken from other documentation that has been signed and embossed by a licensed surveyor, engineer, or architect who is authorized by state or local law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

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LOCAL OFFICIAL'S NAME | TITLE

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LAND SURVEYING INC.
WWW.DOVESURVEY.COM
1762 FOWLER STREET, FORT MYERS, FLORIDA 33901
(239) 332-7500 FAX (239) 332-8838

Certificate of authorization number LB 7422

Sketch of a Boundary Survey 04 FEB 06 Drawn by DMO 6KS

CERTIFIED TO:
William B. & Joyce W. Carter

LEGEND

BOB = BASIS OF BEARINGS	WM = WATER METER
CONC = CONCRETE	= STORM DRAIN
CSP = COVERED SCREENED PORCH	C = CABLE TELEVISION SERVICE BOX
DE = DRAINAGE EASEMENT	= LIGHT POLE
EOP = EDGE OF PAVEMENT	= POWER POLE
FCM = FOUND CONCRETE MONUMENT	= FIRE HYDRANT
FDH = FOUND DRILL HOLE	= WATER VALVE
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GF = GARAGE FLOOR ELEVATION	= CONCRETE
I = INSIDE PROPERTY	(0.00) = ELEVATION
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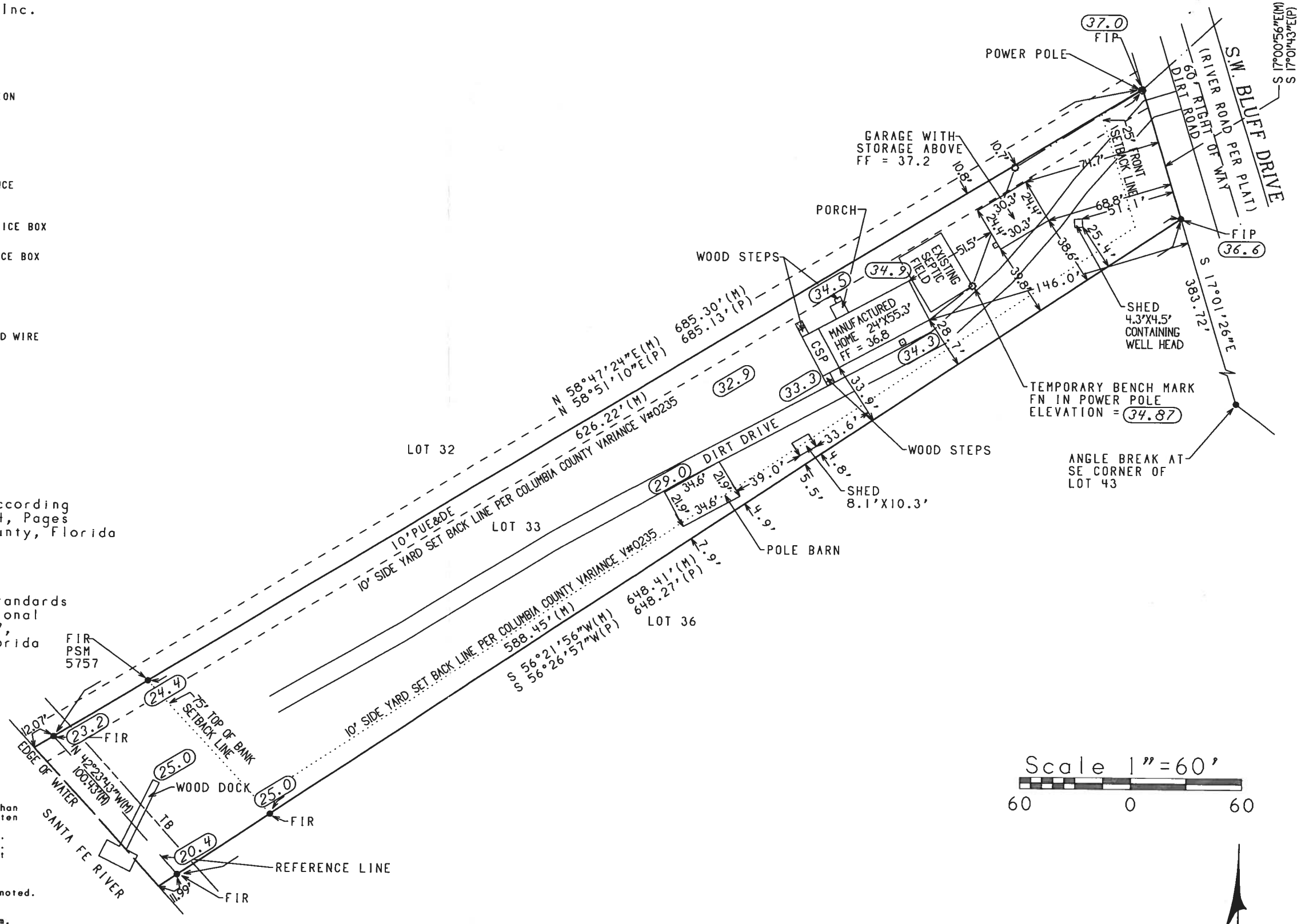

Scale 1"=60'
60 0 60

PARCEL DESCRIPTION:
Lot 33, Cedar Spring Shores Unit No. 5, according to the map or plat recorded in Plat Book 4, Pages 5, 5A & 5B, Public Records of Columbia County, Florida

This survey meets the minimum technical standards set forth by the Florida Board of Professional Land Surveyors pursuant to Section 472.027, Florida Statutes, and Chapter 61G17-6, Florida Administrative Code.

Notes:
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2) Dimensions are in feet and decimals thereof.
3) Parcel subject to easements, restrictions, reservations, and right-of-ways of record.
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5) This survey is not valid without the signature and the original raised seal of a Florida licensed surveyor and mapper.
6) Additions or deletions to survey maps or reports by other than the signing party or parties is prohibited without the written consent of the signing party or parties.
7) Parcel was surveyed from information supplied by the client.
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10) Abstract not reviewed.
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12) Parcel lies in Flood Zone AE Base Elevation = 36' as per FIRM #120070 0255 B Dated: 06 JAN 88.
13) The elevations as shown hereon are based on NGVD 1929 Datum.
14) Final Survey - 10 APR 06

By: Kenneth Sarrio 4/27/06
Kenneth B. Sarrio
Professional Surveyor & Mapper
Certificate No. 6348

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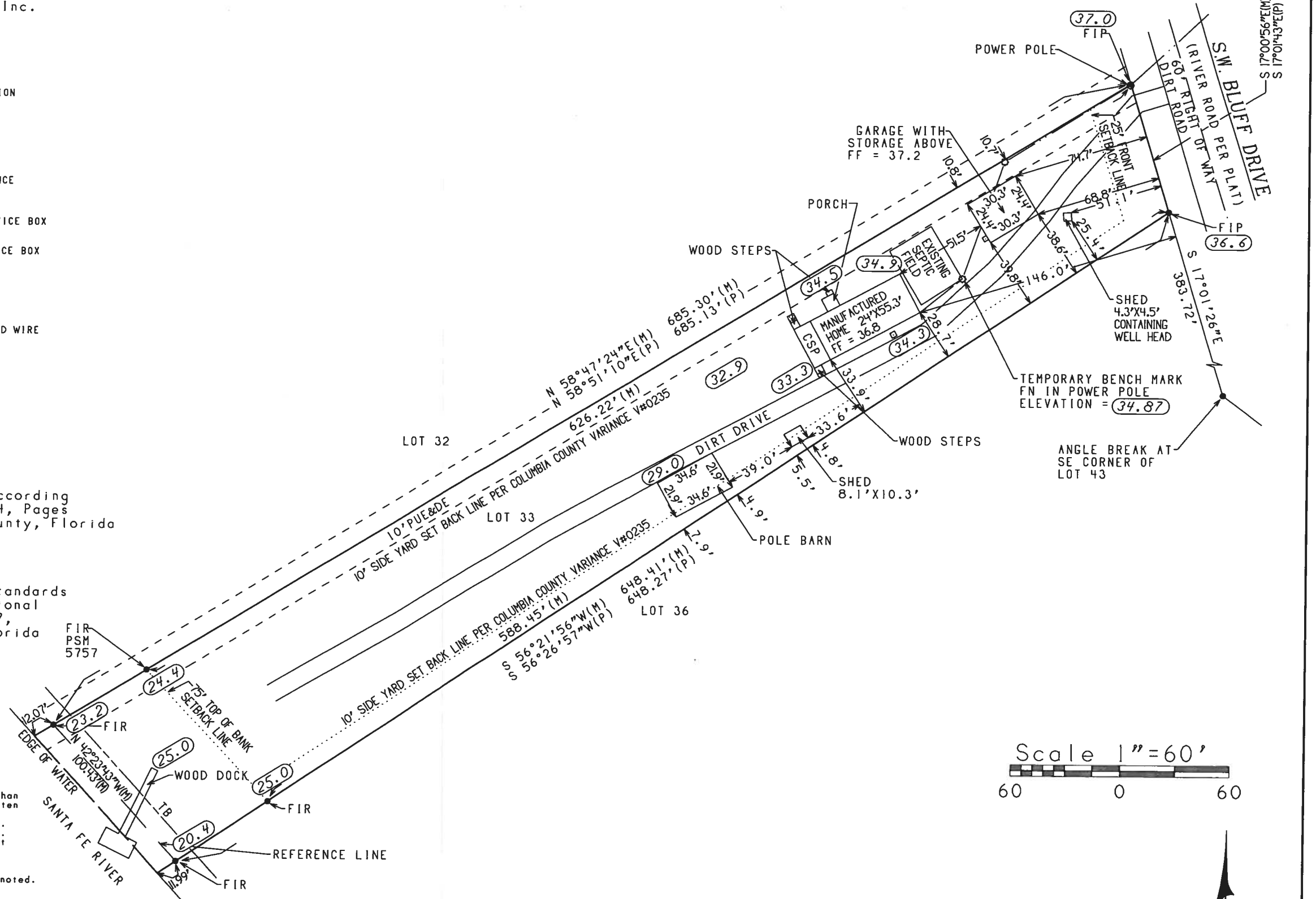

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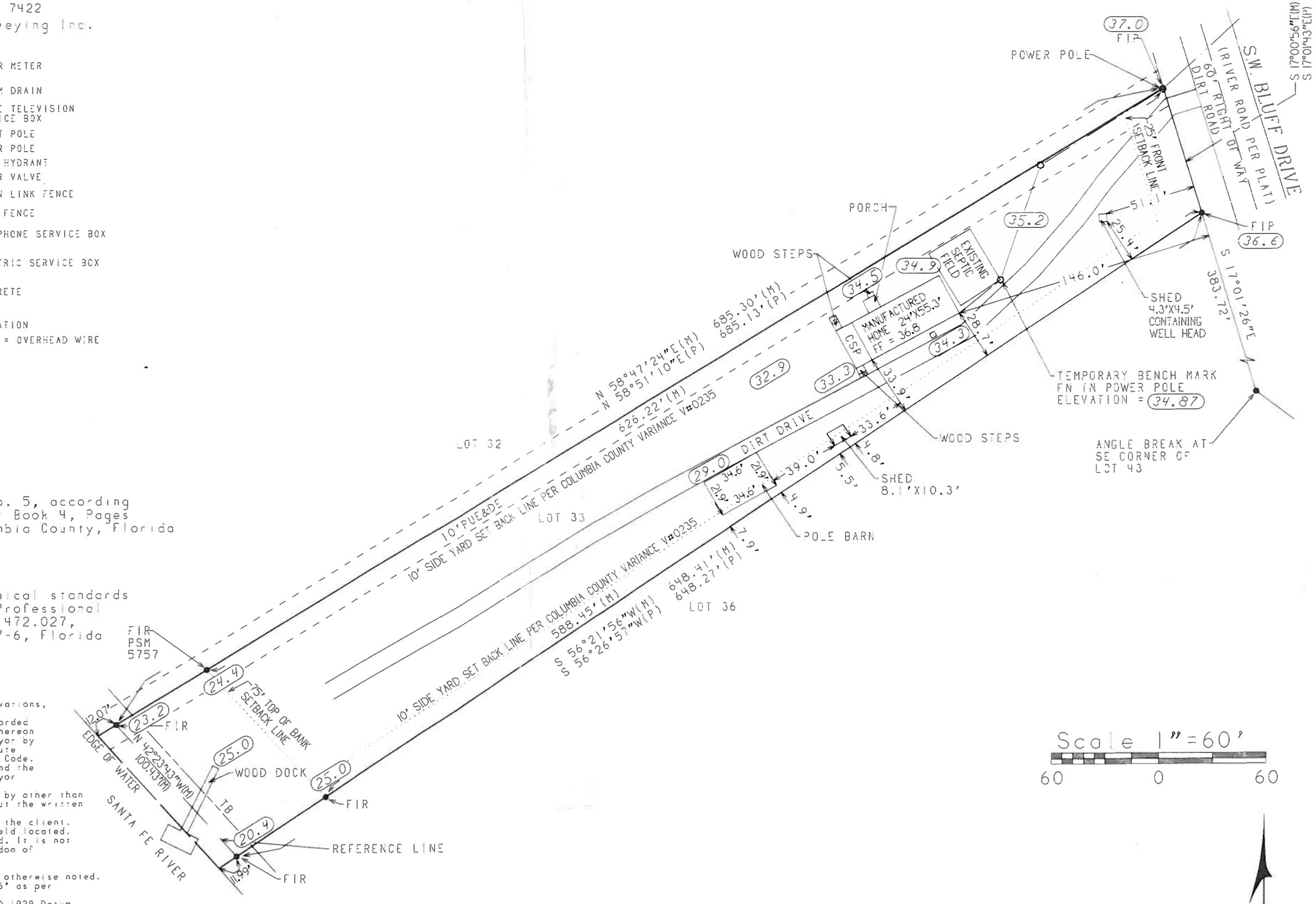

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By: Kenneth Sarrio
Kenneth B. Sarrio
Professional Surveyor & Mapper
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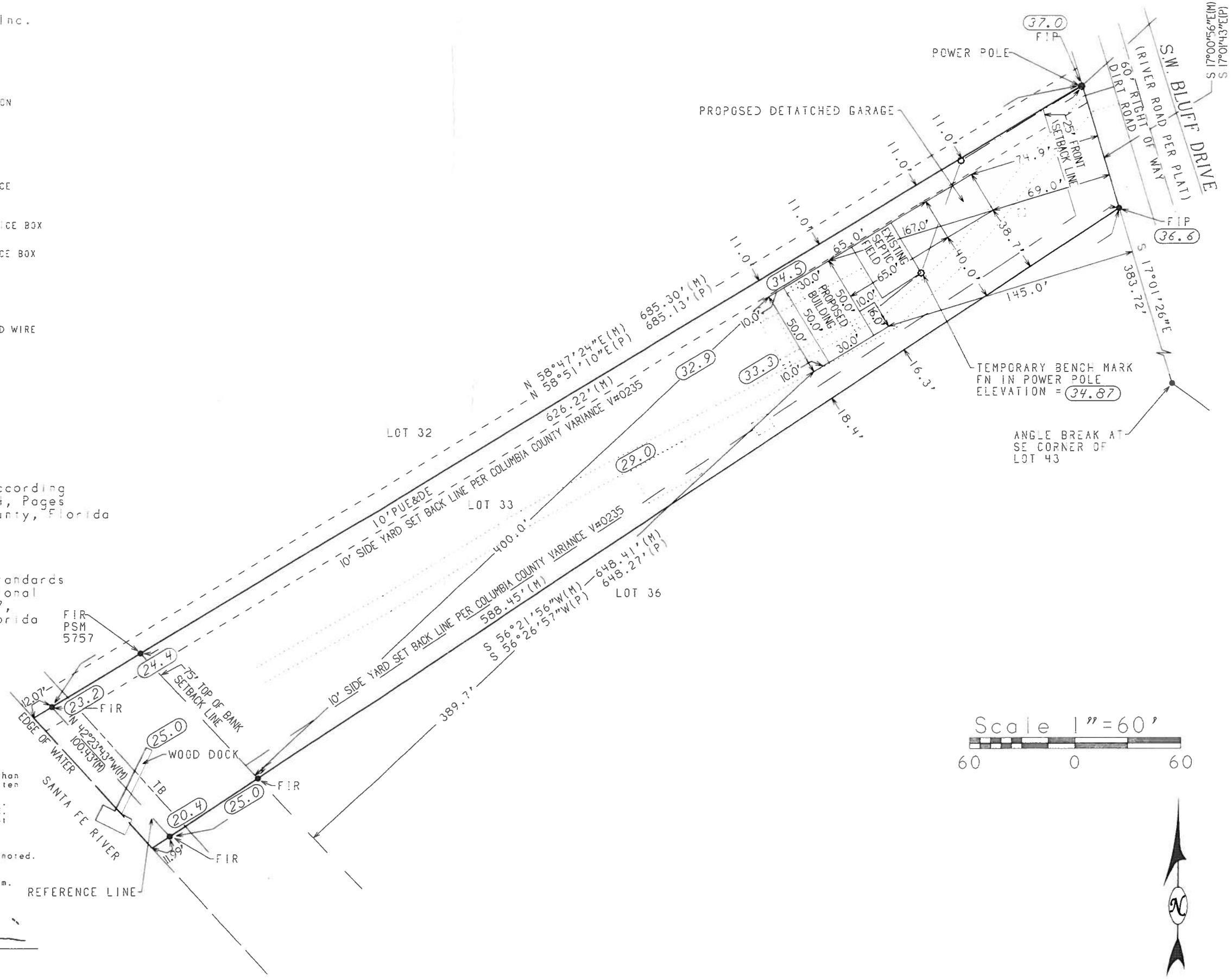

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14) Site Plan - 10 FEB 06

By: Kenneth B. Sarrio
Kenneth B. Sarrio
Professional Surveyor & Mapper
Certificate No. 6348