

Columbia County Building Permit Application

1844 MESS...
Revised 9-23-00

For Office Use Only Application # 0601-23 Date Received 1/9/06 By [Signature] Permit # 24064
 Application Approved by - Zoning Official BLK Date 17.01.06 Plans Examiner DTJH Date 1-17-06
 Flood Zone X ^{Per Survey} Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

~~DEVELOPMENT~~(+ Letter 7 Auth. fromExisting wellCONSTRUCTION NEEDED

FAX 386-454-3079

(386) 454-3079Applicants Name MICHAEL & JENNI BENNETT Phone 386-454-5016Address PO BOX 2189 - HIGHLAND SPRINGS, FLA. 32655Owners Name MICHAEL & JENNI BENNETT Phone 386-454-5016911 Address 1692 SW CARL WILSON RD - FT. WHITE, FLA. 352-494-7838Contractors Name WILLIAM BEMBRY

Phone

Address

Fee Simple Owner Name & Address N/ABonding Co. Name & Address N/AArchitect/Engineer Name & Address WILLIAM MEYERMortgage Lenders Name & Address CAPITAL CITY BANKCircle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive EnergyProperty ID Number 20-65-17-09703-002 Estimated Cost of Construction 175,000.00Subdivision Name N/A Lot Block Unit PhaseDriving Directions 441 S FROM I-75 - (R) ON CR 18 - (R) ON CARL WILSON RD -3rd DRIVE ON (L) - APPROX 3/4 MILE -(SECTION - 20 TOWNSHIP 6 SOUTH - RANGE 17 EAST)Type of Construction WOOD FRAMED Number of Existing Dwellings on Property 0Total Acreage 5 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing DriveActual Distance of Structure from Property Lines - Front 237' Side 100' Side 278' Rear 160'Total Building Height 24'1" Number of Stories 1 Heated Floor Area 2269 Roof Pitch 8/12Porch 847

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 COMMENCEMENT 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)

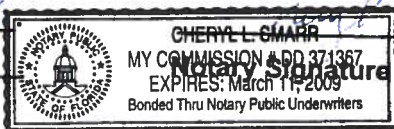
STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 9 day of January 2006Personally known [Signature] or Produced IdentificationWilliam H. Bembry
Contractor SignatureContractors License Number CBC 059947

Competency Card Number

NOTARY STAMP/SEAL



STATE OF FLORIDA
DEPARTMENT OF HEALTH

0601-23

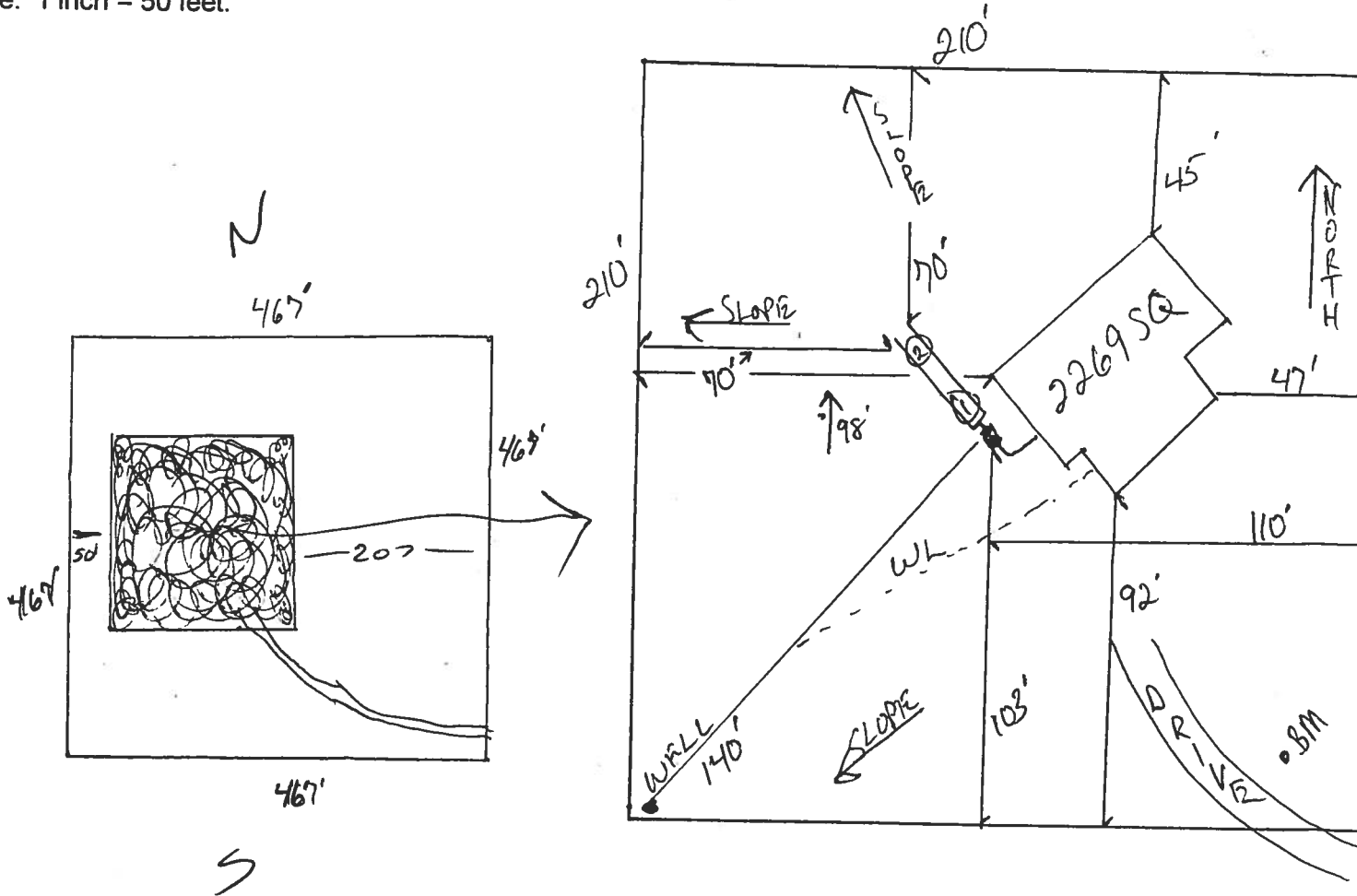
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-00428

Michael
Bennett

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

Scale: 1 inch = 50 feet.



Notes: 1 of 5 ACRES

Site Plan submitted by: Rock D F-O
Plan Approved ☒ Not Approved ☐
By Salli Maddy ESI COLUMBIA

MASTER CONTRACTOR

Date 1-19-06

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DEPARTMENT OF REVENUE
TANGIBLE TAX
DEPUTY CLERK OF
COURTS, COLUMBIA COUNTY
M.R.

WARRANTY DEED

0821 PG0920
1996.

THIS INDENTURE, made this 30th day of April

Thomas Dean Layfield, a married person

of the County of Columbia, State of

Michael A. Bennett, a single person

OFFICIAL RECORDS

Social Security # 267-84-0261

Social Security #
Florida, grantor and

Social Security # 594-68-5162

Social Security #

Whose mailing address is P. O. Box 2189, High Springs, Florida 32643
of the County of Alachua, State of Florida, grantee

WITNESSETH: This said grantor, for and in consideration of the sum of TEN AND NO/100'S--Dollars, to him in hand paid by the grantee(s), the receipt whereof is hereby acknowledged, has/have granted, bargained, and sold to said grantee(s), his heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to wit:

A parcel of land in the SE 1/4 of Section 20, Township 6 South, Range 17 East, Columbia County, Florida, being more particularly described as follows:

Commence at the Southeast corner of Section 20, Township 6 South, Range 17 East, Columbia County, Florida, run S 89 deg. 59'53" W. along the South line of said Section 20 a distance of 900.00 feet to the POINT OF BEGINNING; thence continue S 89 deg. 59'53" W. along said South line 467.00 feet; thence N 00 deg. 00'07" W. 467.00 feet; thence run N 89 deg. 59'53" E, 467.00 feet; thence S 00 deg. 00'07" E, 467.00 feet to the POINT OF BEGINNING. Containing 5.00 acres, more or less.

An Easement for ingress and egress purpose 60.00 foot wide lying 30.00 foot each side of the following described line:

Commence at the Southeast corner of Section 20, Township 6 South, Range 17 East, Columbia County, Florida, and run S 89 deg. 59'53" W. along the South line of said Section 20, a distance of 900.00 feet to the Southeast corner of the above described parcel; thence N 00 deg. 00'07" W. 30.00 feet to the POINT OF BEGINNING of the centerline of said easement; thence N 89 deg. 59'53" E, along said centerline 246.62 feet to its terminal point on the Westerly maintained Right of Way line of Pineville Road.

Subject to easement for ingress and egress as shown in O.R. Book 619, Page 101, public records of Columbia County, Florida.

The above described land is not the homestead of the grantor.

Tax Parcel Number: 20-6S-17-09703-002

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, Grantor(s) has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Witness

Thomas Dean Layfield
Thomas Dean Layfield

PRINTED NAME OF WITNESS

Witness

PRINTED NAME OF WITNESS

96-06178

1996

M.R.

STATE OF FLORIDA
COUNTY OF Columbia

0821 PG0921

OFFICIAL RECORDS
I hereby certify that on this day before me, an officer duly qualified to take acknowledgments, personally appeared Thomas Dean Layfield known to me to be the person(s) described in and who executed the foregoing instrument, who acknowledged before me that he executed the same, that I relied upon the following form(s) of identification of the above-named person(s) Driver's license

Witness my hand and official seal in the County and State last aforesaid this
30th day of April, 1996.

Martha Bryan
Notary Signature

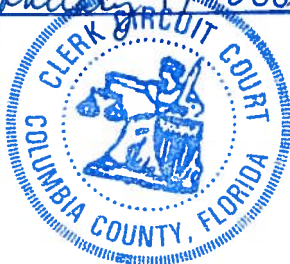
Printed name of Notary: **MARTHA BRYAN**
MY COMMISSION # CC 480281
EXPIRES: August 10, 1999
Bonded Title History: Public Underwriters
My Commission Expires:

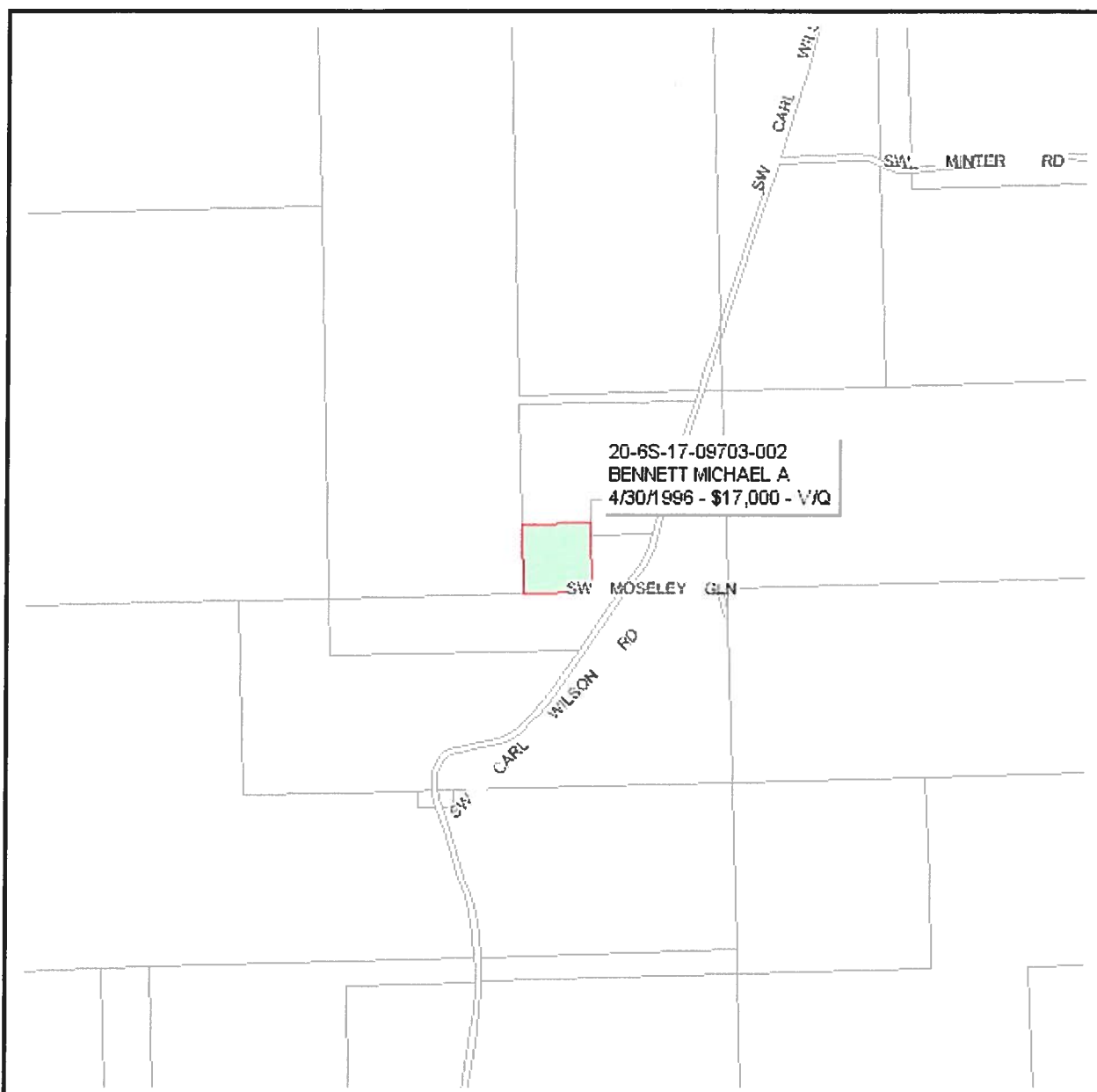
Prepared by and return to: Regional Title Company
2015 South First Street
Lake City, Florida 32055
Martha Bryan By: DH

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By *Rose Ann Aiello*
Deputy Clerk

Date *January 17, 2006*





Columbia County Property Appraiser

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

PARCEL: 20-6S-17-09703-002 - NO AG ACRE (009900)

COMM SE COR OF SEC, RUN W ALONG S LINE 900 FT FOR POB, CONT W 467 FT, N 467 FT, E 467

Name: BENNETT MICHAEL A
 Site: —
 Mail: P O BOX 2189
 HIGH SPRINGS, FL 32655
 Sales Info: 4/30/1996 \$17,000.00 V / Q

LandVal	\$37,500.00
BldgVal	\$0.00
ApprVal	\$37,500.00
JustVal	\$37,500.00
Assd	\$31,200.00
Exmpt	\$0.00
Taxable	\$31,200.00

0 0.08 0.16 0.24 mi



This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA
COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 225 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER

120070 0225 B

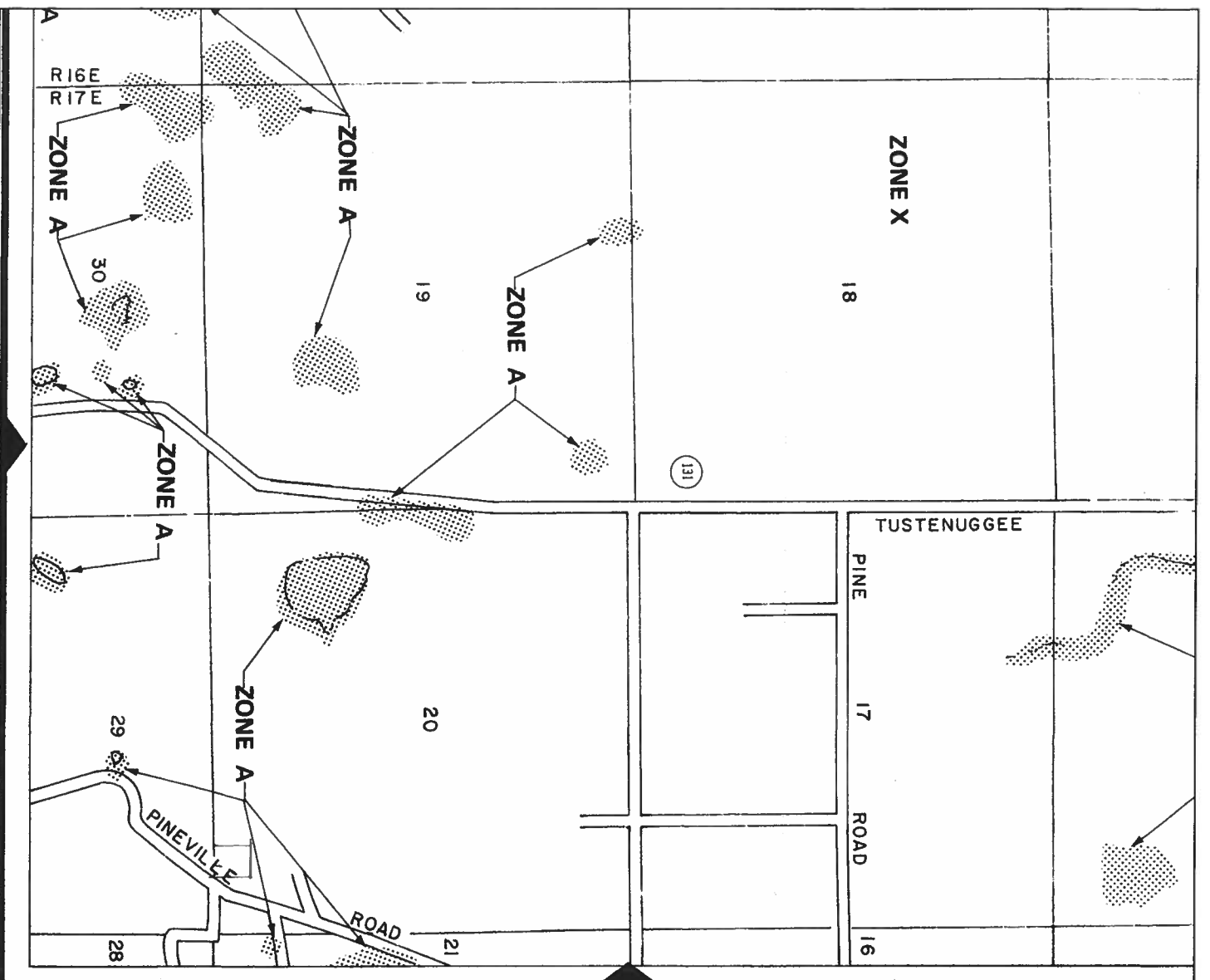
EFFECTIVE DATE:

JANUARY 6, 1988

Federal Emergency Management Agency



This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/nfltsd.



Columbia County Property Appraiser

DB Last Updated: 9/16/2005

Parcel: 20-6S-17-09703-002

Tax Record

Property Card

Interactive GIS Map

Print

2005 Proposed Values

Owner & Property Info

Search Result: 1 of 1

Owner's Name	BENNETT MICHAEL A
Site Address	---
Mailing Address	P O BOX 2189 HIGH SPRINGS, FL 32655
Brief Legal	COMM SE COR OF SEC, RUN W ALONG S LINE 900 FT FOR POB, CONT W 467 FT, N 467 FT, E 467

Use Desc. (code)	NO AG ACRE (009900)
Neighborhood	20617.00
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	5.000 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	\$37,500.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$37,500.00

Just Value	\$37,500.00
Class Value	\$0.00
Assessed Value	\$31,200.00
Exempt Value	\$0.00
Total Taxable Value	\$31,200.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
4/30/1996	821/920	WD	V	Q		\$17,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
009900	AC NON-AG (MKT)	5.000 AC	1.00/1.00/1.00/1.00	\$7,500.00	\$37,500.00

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

1 of 1

Disclaimer

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Mike Bennett**
Address: **Carl Wilson**
City, State: **Fort White, FL 32643-**
Owner:
Climate Zone: **North**

Builder:
Permitting Office: **Columbia**
Permit Number: **24064**
Jurisdiction Number: **221000**

- | | | | | | |
|--|--------------------------------|-----|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 49.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 11.00 | ___ |
| 4. Number of Bedrooms | 3 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | No | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 2269 ft ² | ___ | | | ___ |
| 7. Glass area & type | | ___ | 13. Heating systems | | |
| a. Clear - single pane | 0.0 ft ² | ___ | a. Electric Heat Pump | Cap: 49.0 kBtu/hr | ___ |
| b. Clear - double pane | 345.0 ft ² | ___ | | HSPF: 6.80 | ___ |
| c. Tint/other SHGC - single pane | 0.0 ft ² | ___ | b. N/A | | ___ |
| d. Tint/other SHGC - double pane | 0.0 ft ² | ___ | c. N/A | | ___ |
| 8. Floor types | | ___ | | | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 231.0(p) ft | ___ | 14. Hot water systems | | |
| b. N/A | | ___ | a. Electric Resistance | Cap: 50.0 gallons | ___ |
| c. N/A | | ___ | | EF: 0.90 | ___ |
| 9. Wall types | | ___ | b. N/A | | ___ |
| a. Frame, Wood, Exterior | R=13.0, 1945.0 ft ² | ___ | c. Conservation credits | | ___ |
| b. N/A | | ___ | (HR-Heat recovery, Solar | | ___ |
| c. N/A | | ___ | DHP-Dedicated heat pump) | | ___ |
| d. N/A | | ___ | 15. HVAC credits | | ___ |
| e. N/A | | ___ | (CF-Ceiling fan, CV-Cross ventilation, | | ___ |
| 10. Ceiling types | | ___ | HF-Whole house fan, | | ___ |
| a. Under Attic | R=30.0, 2469.0 ft ² | ___ | PT-Programmable Thermostat, | | ___ |
| b. N/A | | ___ | MZ-C-Multizone cooling, | | ___ |
| c. N/A | | ___ | MZ-H-Multizone heating) | | ___ |
| 11. Ducts | | ___ | | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 40.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.15

Total as-built points: 29135

Total base points: 32406

PASS

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

PREPARED BY: Will Myers

DATE: 2.8.05

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

OWNER/AGENT: _____

DATE: _____

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



BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Carl Wilson, Fort White, FL, 32643-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X SPM X SOF = Points				
.18	2269.0	20.04	8184.7	Double, Clear	W	1.5	8.0	40.0	36.99	0.96	1417.5
				Double, Clear	W	1.5	5.0	6.0	36.99	0.88	194.3
				Double, Clear	W	9.5	9.7	40.0	36.99	0.53	790.8
				Double, Clear	W	9.5	9.7	40.0	36.99	0.53	790.8
				Double, Clear	S	15.5	9.7	20.0	34.50	0.47	321.8
				Double, Clear	N	1.5	8.0	20.0	19.22	0.97	371.8
				Double, Clear	W	1.5	5.0	6.0	36.99	0.88	194.3
				Double, Clear	E	8.5	6.0	16.0	40.22	0.44	285.1
				Double, Clear	N	15.5	9.7	20.0	19.22	0.65	248.0
				Double, Clear	N	8.5	8.0	15.0	19.22	0.70	202.1
				Double, Clear	E	8.5	8.0	60.0	40.22	0.50	1212.1
				Double, Clear	E	8.5	9.7	22.0	40.22	0.55	484.9
				Double, Clear	S	8.5	8.0	15.0	34.50	0.51	264.8
				Double, Clear	S	8.5	5.0	6.0	34.50	0.46	95.2
				Double, Clear	S	1.5	8.0	15.0	34.50	0.92	477.8
				Double, Clear	S	1.5	3.0	4.0	34.50	0.66	91.0
				As-Built Total:		345.0			7442.1		
WALL TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior		13.0		1945.0		1.50 2917.5	
Exterior	1945.0	1.70	3306.5								
Base Total:		1945.0	3306.5	As-Built Total:		1945.0		2917.5			
DOOR TYPES				Area X BSPM = Points		Type		Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated		20.0		4.10		82.0	
Exterior	20.0	6.10	122.0								
Base Total:		20.0	122.0	As-Built Total:		20.0		82.0			
CEILING TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points	
Under Attic	2269.0	1.73	3925.4	Under Attic		30.0		2469.0		1.73 X 1.00 4271.4	
Base Total:		2269.0	3925.4	As-Built Total:		2469.0		4271.4			
FLOOR TYPES				Area X BSPM = Points		Type		R-Value		Area X SPM = Points	
Slab	231.0(p)	-37.0	-8547.0	Slab-On-Grade Edge Insulation		0.0		231.0(p)		-41.20 -9517.2	
Raised	0.0	0.00	0.0								
Base Total:		-8547.0		As-Built Total:		231.0		-9517.2			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Carl Wilson, Fort White, FL, 32643-**

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BSPM = Points				Area X SPM = Points					
2269.0 10.21 23166.5				2269.0 10.21 23166.5					
Summer Base Points: 30158.1				Summer As-Built Points: 28362.3					
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier = Cooling Points
30158.1		0.4266	12865.4	28362.3 28362.3	1.000 1.00	(1.090 x 1.147 x 0.91) 1.138	0.310 0.310	1.000 1.000	10011.9 10011.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Carl Wilson, Fort White, FL, 32643-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	2269.0	12.74	5203.3	Double, Clear	W	1.5	8.0	40.0	10.77	1.01	435.4
				Double, Clear	W	1.5	5.0	6.0	10.77	1.03	66.8
				Double, Clear	W	9.5	9.7	40.0	10.77	1.16	501.6
				Double, Clear	W	9.5	9.7	40.0	10.77	1.16	501.6
				Double, Clear	S	15.5	9.7	20.0	4.03	3.35	270.3
				Double, Clear	N	1.5	8.0	20.0	14.30	1.00	286.3
				Double, Clear	W	1.5	5.0	6.0	10.77	1.03	66.8
				Double, Clear	E	8.5	6.0	16.0	9.09	1.38	200.1
				Double, Clear	N	15.5	9.7	20.0	14.30	1.02	292.8
				Double, Clear	N	8.5	8.0	15.0	14.30	1.02	218.6
				Double, Clear	E	8.5	8.0	60.0	9.09	1.30	710.6
				Double, Clear	E	8.5	9.7	22.0	9.09	1.25	250.5
				Double, Clear	S	8.5	8.0	15.0	4.03	2.83	171.3
				Double, Clear	S	8.5	5.0	6.0	4.03	3.43	82.9
				Double, Clear	S	1.5	8.0	15.0	4.03	1.04	62.9
				Double, Clear	S	1.5	3.0	4.0	4.03	1.64	26.4
				As-Built Total:		345.0			4145.2		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1945.0	3.40		6613.0	
Exterior	1945.0	3.70	7196.5								
Base Total:				1945.0		7196.5					
				As-Built Total:		1945.0		6613.0			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			20.0	8.40		168.0	
Exterior	20.0	12.30	246.0								
Base Total:				20.0		246.0					
				As-Built Total:		20.0		168.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2269.0	2.05	4651.4	Under Attic	30.0		2469.0	2.05 X 1.00		5061.4	
Base Total:				2269.0		4651.4					
				As-Built Total:		2469.0		5061.4			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	231.0(p)	8.9	2055.9	Slab-On-Grade Edge Insulation	0.0		231.0(p)	18.80		4342.8	
Raised	0.0	0.00	0.0								
Base Total:				2055.9		231.0		4342.8			
				As-Built Total:		231.0		4342.8			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Carl Wilson, Fort White, FL, 32643-

PERMIT #:

BASE				AS-BUILT					
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
2269.0 -0.59 -1338.7				2269.0 -0.59 -1338.7					
Winter Base Points: 18014.4				Winter As-Built Points: 18991.7					
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier = Heating Points
18014.4		0.6274	11302.2	18991.7 18991.7	1.000 1.00	(1.069 x 1.169 x 0.93)	0.501 1.162	0.501 0.501	1.000 1.000 11068.4

Residential Whole Building Performance Method A - Details

PERMIT #:

BASE					AS-BUILT							
WATER HEATING												
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit	= Total Multiplier	
3		2746.00		8238.0	50.0	0.90	3		1.00	2684.98	1.00	8054.9
					As-Built Total:							8054.9

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	
12865		11302		8238		32406	

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Carl Wilson, Fort White, FL, 32643-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 84.9

The higher the score, the more efficient the home.

, Carl Wilson, Fort White, FL, 32643-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 11.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2269 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 49.0 kBtu/hr
b. Clear - double pane	345.0 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 231.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.90
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 1945.0 ft ²	(HR-Heat recovery, Solar	
b. N/A		DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2469.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 40.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



***NOTE:** The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs Energy Gauge (Version: FLR1PB v3.22)

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949

PHONE: (386) 752-8787 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

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

DATE ISSUED: APRIL 13, 2005

ENHANCED 9-1-1 ADDRESS:

1692 SW CARL WILSON RD (FORT WHITE, FL 32038)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: _____

PROPERTY APPRAISER MAP SHEET NUMBER: 104

PROPERTY APPRAISER PARCEL NUMBER: 20-6S-17-09703-002

Other Contact Phone Number (If any): _____

Building Permit Number (If known): _____

Remarks: _____

Address Issued By: _____

Columbia County 9-1-1 Addressing Department

**COLUMBIA COUNTY
9-1-1 ADDRESSING
APPROVED**

COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949

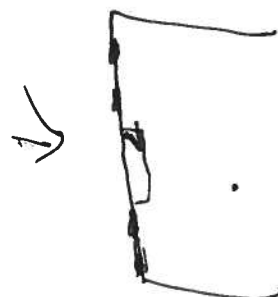
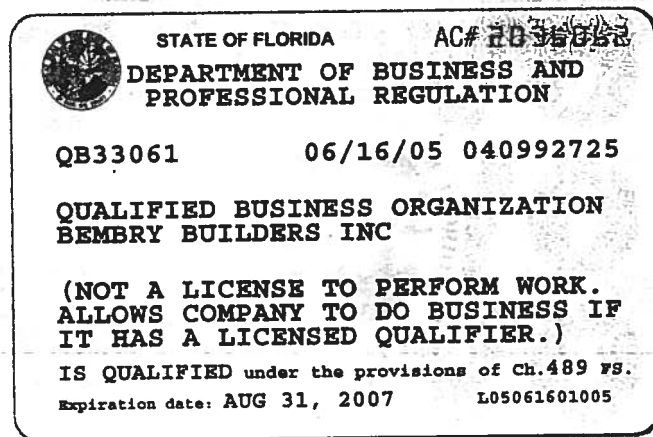
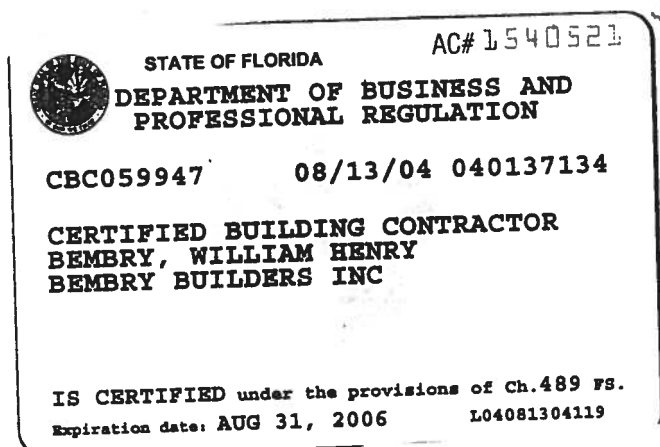
PHONE: (386) 752-8787 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Posting of Address Numbers in accordance with Ordinance 2001-9, Section 5:

- A. Principal Buildings (residence, apartment building or “In Town” business) shall display the assigned address number made of Arabic numerals not less than 3 inches in height and 1 ½ inches in width of a contrasting color to the background on which affixed, as near to the front entrance as possible and practical so that the number is visible and legible from the sidewalk (if any), the public or private way on which the principal building fronts and the opposite side of the public or private way, day or night.
- B. Private Lane and Long Driveways: for any principal building (residence, apartment building or business) (except malls or shopping centers) located so that the address number is not clearly legible and visible from the public or private way, shall post an additional set of numbers at the intersection of the driveway to the principal building at the public or private way. The additional address number shall be made up of Arabic numerals not less than 3 inches in height and 1-1/2 inches in width. Numbers shall be contrasting in color with the background on which they are affixed, visible day or night, and placed upon a post or other structure which displays the number so it is visible and legible to emergency services personnel approaching from either direction along the public or private way.
- C. Industrial and Commercial Structures in Low Density Areas: All industrial and commercial structures located in low-density development areas (areas in which small residential style address numbers are not visible from the public or private way) shall display address numbers of not less than 10 inches in height. The numbers shall contrast in color with the background on which they are affixed and shall be visible and legible day or night from the public or private way. When possible, the number shall be displayed beside or over the main entrances of the structure.
- D. Apartment Buildings and High-Rises: All apartment buildings and high-rises style principal buildings shall display address numbers above or to the side of the primary entrance to the Addressed location. Numbers shall contrast with the color of the background to which they are affixed, and shall be at least 6 inches in height and visible and legible day or night. Apartment numbers for individual units within the complex shall be displayed on, above, or to the side of the doorway of each unit. Assigned number shall be displayed on each separate front entrance in the case of a principal building which is occupied by more than one business or family dwelling unit.
- E. Any different numbers, which might be mistaken for or confused with the numbers assigned in accordance with the “Numbering System”, shall be removed upon proper display of the assigned address number.
- F. The responsibility of placement and maintenance of the building address numbers is that of the occupant or property owner.

William Bembry
P.O. Box 1306
High Springs Fl. 32655

352-538-0097



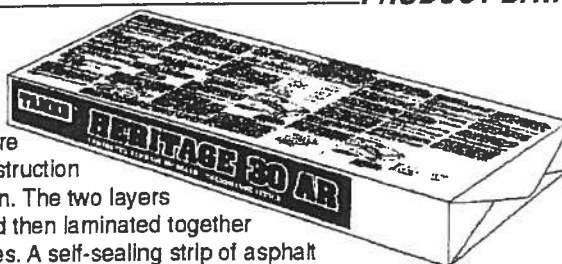
HERITAGE 30 AR®

LAMINATED ASPHALT SHINGLES

PRODUCT DATA

Manufactured in Tuscaloosa, AL.

HERITAGE 30 AR® shingles feature a double-layer fiberglass mat construction with a random-cut sawtooth design. The two layers of mat are coated with asphalt and then laminated together and surfaced with ceramic granules. A self-sealing strip of asphalt helps provide added wind resistance.



USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 30-year limited warranty, 5-year FULL START, limited transferability, winds up to 70 MPH.
- Superior fire resistance compared to organic shingles.
- Rustic beauty of wood shakes.
- Shadowtone feature adds depth and dimensional appearance.
- 10-year Algae-Relief (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating
UL Wind Resistant

ASTM D 3018, Type I
ASTM E 108, Class A
ASTM D 3161, Type I

Fed. Spec.: Exceeds SS-S-001534,
Class A, Type I

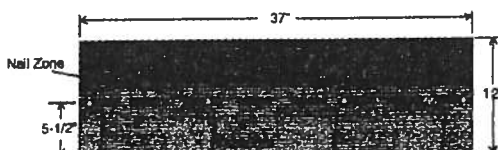
COLORS

Classic Heritage Colors:

- Weathered Wood
- Oxford Grey
- Shadow Grey
- Rustic Cedar
- Rustic Hickory
- Rustic Black

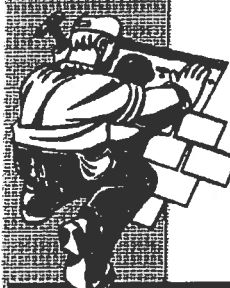
PRODUCT DATA*

Shingle size 12" X 37"
Exposure 5"
Shingles per square 78
Bundles per square 3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.



TAMKO
ROOFING PRODUCTS

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Visit our Web Site at www.tamko.com

03/2003

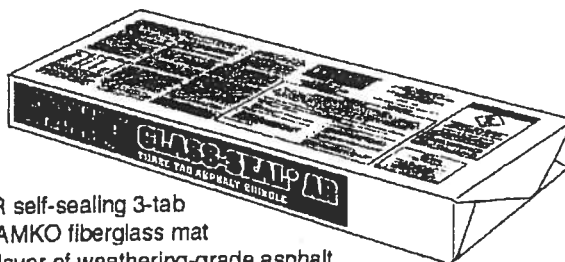
Central District	220 West 4th St., Joplin, MO	64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD	21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL	35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO	80216	800-530-8868

TAMKO Elite Glass-Seal® AR

PRODUCT DATA

THREE-TAB ASPHALT SHINGLES

Manufactured in Tuscaloosa, AL



TAMKO ELITE GLASS-SEAL® AR self-sealing 3-tab shingles are made with a tough TAMKO fiberglass mat coated on both sides with a thick layer of weathering-grade asphalt and surfaced with ceramic granules.

USES

For application to roof decks with inclines of not less than 2 inches per foot. For slopes between 2 inches and 4 inches per foot, refer to wrapper instructions.

ADVANTAGES

- 25-year limited warranty, 3-year FULL START, limited transferability, winds up to 60 MPH.
- Superior fire resistance compared to organic shingles.
- 10-year Algae-Relief (AR) limited warranty that provides for cleaning of discoloration caused by certain algae growth that may occur in areas with high humidity.

CERTIFICATIONS

UL Class A Fire Rating	ASTM D 3161, Type I (modified to 110 mph)
UL Wind Resistant	ASTM D 3462
ASTM D 3018, Type I	ASTM E 108, Class A
Miami Dade County Florida NOA 02-0130-03	TAS 100-95 Wind and Wind Driven Rain
Expiration Date: 04/11/07	

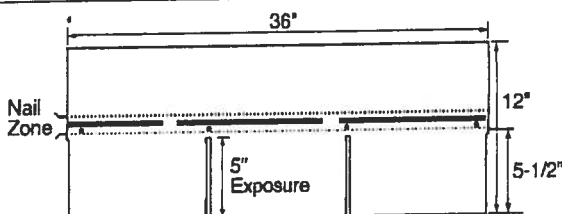
Fed. Spec.: Exceeds SS-S-001534,
Class A, Type I

COLORS

- | | | |
|------------------|-----------------------|------------------|
| • Glacier White | • Weathered Wood | • Rustic Cedar |
| • Grey Blend | • Olde English Pewter | • Oxford Grey |
| • Rustic Hickory | • Pastel Green | • Pastel Brown |
| • Pastel Red | • Empire Green Blend | • Tile Red Blend |
| • Shadow Grey | • Driftwood | • Desert Sand |
| • Rustic Black | | |

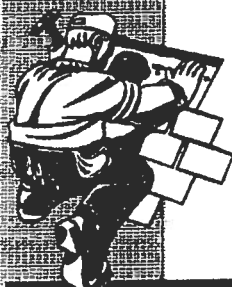
PRODUCT DATA*

Shingle size	12" X 36"
Exposure	5"
Shingles per square	80
Bundles per square	3



*All values stated as nominal

CAUTION: The National Institute for Occupational Safety and Health (NIOSH) has concluded that fumes of heated asphalt are a potential occupational carcinogen. Do not heat or burn this product.



TAMKO
ROOFING PRODUCTS

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Visit our Web Site at www.tamko.com

032003

Central District	220 West 4th St., Joplin, MO	64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD	21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL	35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX	75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO	80216	800-530-8868



The Florida Department of Community Affairs Building Code Information System

SITE NAVIGATION



Home



Course
Accreditation



Florida
Building
Code



Manufact.
Buildings



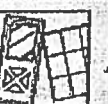
Prototype
Building



Surcharges



Training



Product
Approval



License
Search



Mailing
List



Florida
Building
Commission

PRODUCT APPROVAL

Product Type Detail

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

Need Help ?

Application #:	FL1956-R1
Date Submitted:	06/09/2005
Code Version:	2004
Product Manufacturer:	TAMKO Roofing Products, Inc.
Address/Phone/email:	PO Box 1404 Joplin, MO 64802 (800) 641-4691
Technical Representative:	Frederick J. O'Connor
Technical Representative Address/Phone/email:	PO Box 1404 Joplin, MO 64802 (800) 641-4691 fred_oconnor@tamko.com
Category:	Roofing
Subcategory:	Asphalt Shingles
Evaluation Method:	• Certification Mark or Listing
Referenced Standards from the Florida Building Code:	<u>Section</u> <u>Standard</u> <u>Year</u> ASTM D 3462 2001
Certification Agency:	Underwriters Laboratories Inc.
Quality Assurance Entity:	
Validation Entity:	
Authorized Signature:	Frederick O'Connor fred_oconnor@tamko.com
Evaluation/Test Reports Uploaded:	
Installation Documents Uploaded:	PTID_1956_R1_1_Tamko_let_061705.pdf

Product Approval Method:

Method I Option A

Application Status:

Approved

Date Validated:

06/20/2005

Date Approved:

06/29/2005

Date Certified to the 2004 Code:

Page:

Go

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description	Limits of Use
1956.1	Elite Glass-Seal AR	A heavy weight 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.2	Glass-Seal AR	A 3 tab asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.3	Heritage 30 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.4	Heritage 40 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.5	Heritage 50 AR	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.6	Heritage Declaration	A heavy weight triple laminate asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.
1956.7	Heritage XL	A heavy weight dimensional asphalt shingle.	Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Not approved for use in HVHZ.

Next



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GULFSIDE SUPPLY, INC.

Installation Documents Uploaded:

Product Approval Method:

Method 1 Option A

Application Status:

Pending FBC Approval

Page:

Page 1 / 1

Go

App/Seq #	Product Model # or Name	Model Description
1956.1	Elite Glass-Seal AR	A heavy weight 3 tab asphalt shingle.
1956.2	Glass-Seal AR	A 3 tab asphalt shingle.
1956.3	Heritage 30 AR	A heavy weight dimensional asphalt shingle.
1956.4	Heritage 40 AR	A heavy weight dimensional asphalt shingle.
→ 1956.5	Heritage 50 AR	A heavy weight dimensional asphalt shingle.
1956.6	Heritage Declaration	A heavy weight triple laminate asphalt shingle.
1956.7	Heritage XL	A heavy weight dimensional asphalt shingle.

Next



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my

A_g = the gross area of that wall in which A_o is identified, in sq ft (m^2)

Building, Partially Enclosed. A building which complies with both of the following conditions:

1. the total area of openings in a wall that receives positive external pressure exceeds the sum of the areas of openings in the balance of the building envelope (walls and roof) by more than 10%, and
2. the total area of openings in a wall that receives positive external pressure exceeds 4 sq ft ($0.37 m^2$) or 1% of the area of that wall, whichever is smaller, and the percentage of openings in the balance of the building envelope does not exceed 20%.

These conditions are expressed by the following formulas:

1. $A_o > 1.10A_{oi}$
2. $A_o > 4 \text{ sq ft } (0.37 m^2) \text{ or } > 0.01A_g$, whichever is smaller, and $A_{oi}/A_{gi} \leq 0.20$

where:

A_o, A_g are as defined for Open Building

A_{oi} = the sum of the areas of openings in the building envelope (walls and roof) not including A_o , in sq ft (m^2)

A_{gi} = the sum of the gross surface areas of the building envelope (walls and roof) not including A_g , in sq ft (m^2)

Building, simple diaphragm: A building which complies with all of the following conditions:

1. enclosed building,
2. mean roof height, h , less than or equal to 60 ft (18 m).
3. mean roof height, h , does not exceed least horizontal dimension,
4. building has an approximately symmetrical cross section,
5. building has no expansion joints or structural separations within the building,
6. wind loads are transmitted through floor and roof diaphragms to the vertical lateral-force-resisting systems, and
7. if the building has moment-resisting frames, roof slopes do not exceed 30%.

Components and Cladding. Elements of the building envelope that do not qualify as part of the main wind-force resisting system.

Effective Wind Area. For component and cladding elements, the effective wind area in Tables 1606.2B and 1606.2C is the span length multiplied by an effective width that need not be less than one-third the span length. For cladding fasteners, the effective wind area shall not be greater than the area that is tributary to an individual fastener.

Hurricane Prone Regions. Areas vulnerable to hurricanes defined as:

1. the U.S. Atlantic Ocean and Gulf of Mexico coasts where the basic wind speed is greater than 90 mph (40 m/s), and
2. Hawaii, Puerto Rico, Guam, Virgin Islands and American Samoa.

Importance Factor, I . A factor that accounts for the degree of hazard to human life and damage to property.

Mean Roof Height. The dimension from grade to the average of the roof eave height and the highest point on the roof surface, except that eave height shall be used for roof angle of less than or equal to 10%.

Main Wind-force Resisting System. An assemblage of structural elements assigned to provide support and stability for the overall structure. The system generally receives wind loading from more than one surface.

Wind-Borne Debris Region.

1. Areas within one mile (1.6 km) of the coastal mean high water line where the basic wind speed is 110 mph (49 m/s) or greater.
2. Areas where the basic wind speed is 120 mph (53 m/s) or greater except from the eastern border of Franklin County to the Florida-Alabama line where the region includes areas only within 1 mile of the coast.

1606.1.6 Basic wind speed. The basic wind speed in miles per hour, for the development of wind loads, shall be determined from Figure 1606. Basic wind speed for the special wind regions indicated, near mountainous terrain and near gorges shall be in accordance with local jurisdiction requirements. The exact location of wind speed lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores, wherever possible.

1606.1.6.1 Wind speed conversion. When referenced documents are based on fastest mile wind speeds, the three second gust wind velocities of Figure 1606 shall be converted to fastest mile wind velocities using Table 1606.1.6.1.

TABLE 1606.1.6.1
EQUIVALENT BASIC WIND SPEEDS

3 sec. gust	85	90	100	105	110	120	125	130	140	145	150
fastest mile	70	75	80	85	90	100	105	110	120	125	130

1 mph = 0.447 m/s

1606.1.7 Information on drawings. The following information related to wind loads shall be shown on the construction drawings:

1. Basic wind speed, mph, (m/s).

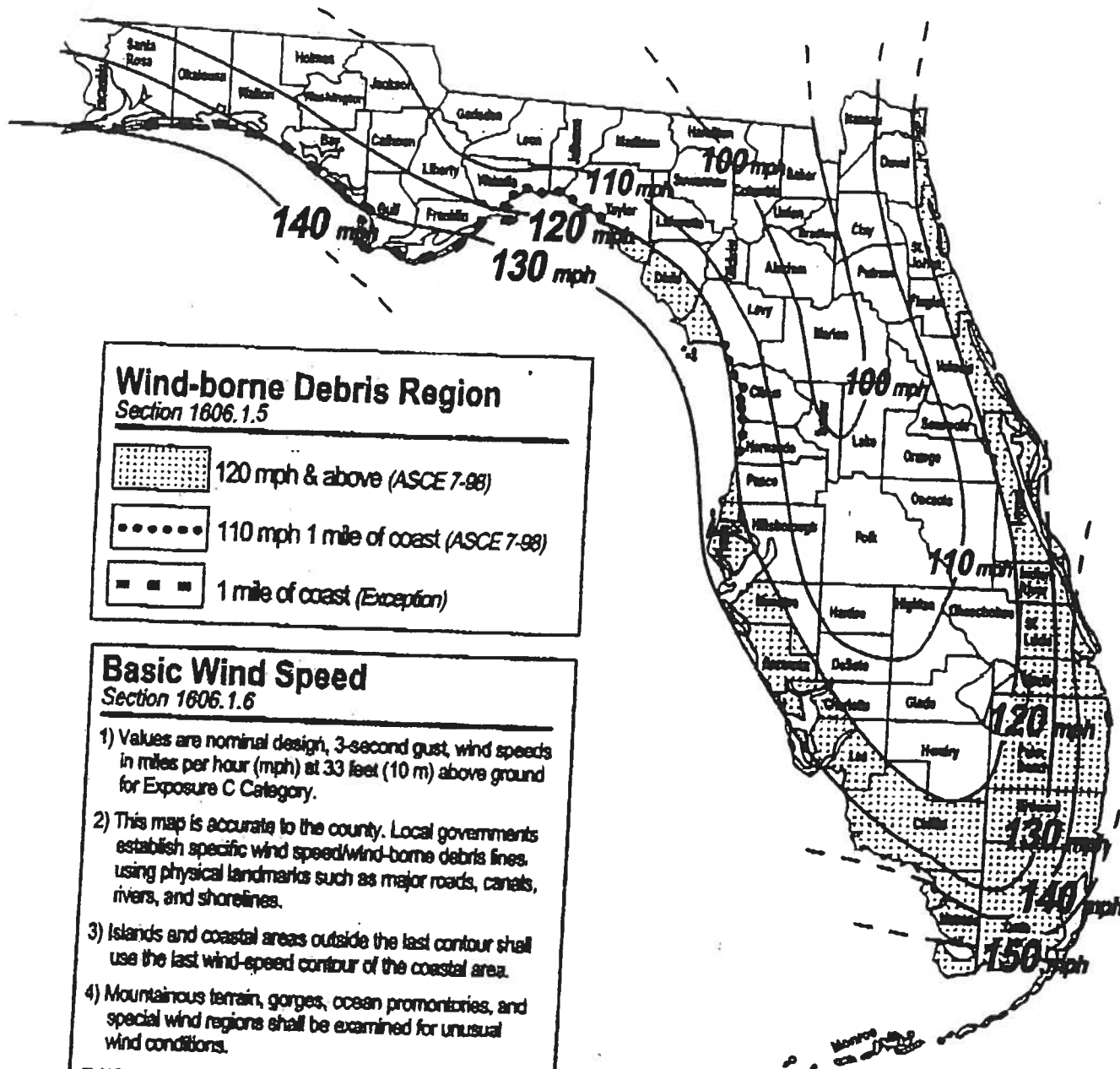


FIGURE 1606
STATE OF FLORIDA
WIND-BORNE DEBRIS REGION & BASIC WIND SPEED

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

0601-23

Reference to: Build permit application Number:

William Bembry owner Michael Bennett 1692 SW Carl Wilson Road

On the date of January 12, 2006 application 0601-23 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 0601-23 when making reference to this application.

✓ 1. Please verify that one of the windows as shown on the plans in bedroom # 4 comply with the FRC-2004 Section R310.1.1 Minimum opening area: All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2).

Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2): R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm): R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

✓ 2. Please have Mr. Nicholas Geisler supply the following information, show all required connectors with uplift rating and required number and size of fasteners for continuous tie from

roof to foundation shall be designed by a Windload engineer using the engineered roof truss plans.

3. Application 0601-23 which was filed with the building department on the date of January 9, 2006 and will be reviewed under the Florida Building Code 2004. The Wind Load design by Mr. Nicholas Geisler was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.

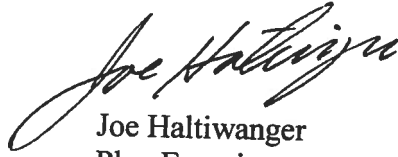
4. Please submit a recorded (with the Columbia County Clerk Office) a notice of commencement before any inspections can be preformed by the Columbia County Building Department.

5. Please submit an approved copy of the Columbia County Environmental Health Department site plan application for an on site waste water septic system.

6. On the electrical plan show the location of the electrical panel and include the total amperage rating of the electrical service panel.

7. Please submit product approval specification and product approval number(s) as required by Fla. Statute 553.842 and Fla. Administrative Code 9B-72 for all material which will be on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products, EXTERIOR DOORS, WINDOWS, ROOFING, SKYLIGHTS and GLASS BLOCKS: More information about statewide product approval can be obtained at www.floridabuilding.org

Thank you,

A handwritten signature in black ink, appearing to read "Joe Haltiwanger". The signature is fluid and cursive, with the first name "Joe" being more prominent.

Joe Haltiwanger

Plan Examiner

Columbia County Building Department

Residential System Sizing Calculation

Summary

Carl Wilson
Fort White, FL 32643-

Project Title:
Mike Bennett

Class 3 Rating
Registration No. 0
Climate: North

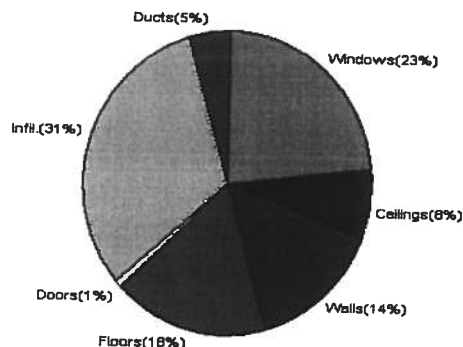
2/8/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
Total heating load calculation	41657 Btuh	Total cooling load calculation	45467 Btuh
Submitted heating capacity	49000 Btuh	Submitted cooling capacity	49000 Btuh
Submitted as % of calculated	117.6 %	Submitted as % of calculated	107.8 %

WINTER CALCULATIONS

Winter Heating Load (for 2269 sqft)

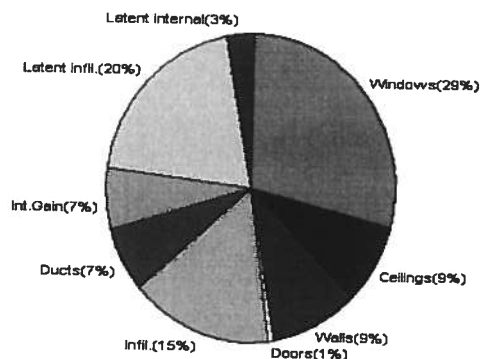
Load component		Load
Window total	345 sqft	9764 Btuh
Wall total	1945 sqft	6030 Btuh
Door total	20 sqft	367 Btuh
Ceiling total	2469 sqft	3210 Btuh
Floor total	231 ft	7300 Btuh
Infiltration	303 cfm	13005 Btuh
Subtotal		39674 Btuh
Duct loss		1984 Btuh
TOTAL HEAT LOSS		41657 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2269 sqft)

Load component		Load
Window total	345 sqft	13236 Btuh
Wall total	1945 sqft	4318 Btuh
Door total	20 sqft	259 Btuh
Ceiling total	2469 sqft	3901 Btuh
Floor total		0 Btuh
Infiltration	265 cfm	7002 Btuh
Internal gain		3000 Btuh
Subtotal(sensible)		31716 Btuh
Duct gain		3172 Btuh
Total sensible gain		34888 Btuh
Latent gain(infiltration)		9199 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		10579 Btuh
TOTAL HEAT GAIN		45467 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: _____

DATE: _____

System Sizing Calculations - Winter

Residential Load - Component Details

Carl Wilson
Fort White, FL 32643-

Project Title:
Mike Bennett

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

2/8/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
3	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
4	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
5	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
6	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
7	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
8	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
9	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
10	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
11	2, Clear, Metal, DEF	E	60.0	28.3	1698 Btuh
12	2, Clear, Metal, DEF	E	22.0	28.3	623 Btuh
13	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
14	2, Clear, Metal, DEF	S	6.0	28.3	170 Btuh
15	2, Clear, Metal, DEF	S	15.0	28.3	424 Btuh
16	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
Window Total			345		9764 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1945	3.1	6030 Btuh
Wall Total			1945		6030 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
Door Total			20		367 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2469	1.3	3210 Btuh
Ceiling Total			2469		3210 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	231.0 ft(p)	31.6	7300 Btuh
Floor Total			231		7300 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	22690(sqft)	303	13005 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				303	13005 Btuh

Totals for Heating	Subtotal	39674 Btuh
	Duct Loss(using duct multiplier of 0.05)	1984 Btuh
	Total Btuh Loss	41657 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Carl Wilson
Fort White, FL 32643-

Project Title:
Mike Bennett

Class 3 Rating
Registration No. 0
Climate: North

2/8/2005

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Carl Wilson
Fort White, FL 32643-

Project Title:
Mike Bennett

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 2/8/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	W	1.5	8	40.0	0.0	40.0	25	74	2960	Btuh
2	2, Clear, DEF, N, N	W	1.5	5	6.0	0.0	6.0	25	74	444	Btuh
3	2, Clear, DEF, N, N	W	9.5	9.66	40.0	28.7	11.3	25	74	1552	Btuh
4	2, Clear, DEF, N, N	W	9.5	9.66	40.0	28.7	11.3	25	74	1552	Btuh
5	2, Clear, DEF, N, N	S	15.5	9.66	20.0	20.0	0.0	25	39	500	Btuh
6	2, Clear, DEF, N, N	N	1.5	8	20.0	0.0	20.0	25	25	500	Btuh
7	2, Clear, DEF, N, N	W	1.5	5	6.0	0.0	6.0	25	74	444	Btuh
8	2, Clear, DEF, N, N	E	8.5	6	16.0	16.0	0.0	25	74	400	Btuh
9	2, Clear, DEF, N, N	N	15.5	9.66	20.0	0.0	20.0	25	25	500	Btuh
10	2, Clear, DEF, N, N	N	8.5	8	15.0	0.0	15.0	25	25	375	Btuh
11	2, Clear, DEF, N, N	E	8.5	8	60.0	52.7	7.3	25	74	1859	Btuh
12	2, Clear, DEF, N, N	E	8.5	9.66	22.0	9.8	12.2	25	74	1150	Btuh
13	2, Clear, DEF, N, N	S	8.5	8	15.0	15.0	0.0	25	39	375	Btuh
14	2, Clear, DEF, N, N	S	8.5	5	6.0	6.0	0.0	25	39	150	Btuh
15	2, Clear, DEF, N, N	S	1.5	8	15.0	15.0	0.0	25	39	375	Btuh
16	2, Clear, DEF, N, N	S	1.5	3	4.0	4.0	0.0	25	39	100	Btuh
Window Total					345					13236 Btuh	
Walls 1	Type	R-Value			Area			HTM		Load	
	Frame - Exterior	13.0			1945.0			2.2		4318 Btuh	
	Wall Total				1945.0					4318 Btuh	
Doors 1	Type				Area			HTM		Load	
	Insulated - Exter				20.0			12.9		259 Btuh	
	Door Total				20.0					259 Btuh	
Ceilings 1	Type/Color	R-Value			Area			HTM		Load	
	Under Attic/Dark	30.0			2469.0			1.6		3901 Btuh	
	Ceiling Total				2469.0					3901 Btuh	
Floors 1	Type	R-Value			Size			HTM		Load	
	Slab-On-Grade Edge Insulation	0.0			231.0 ft(p)			0.0		0 Btuh	
	Floor Total				231.0					0 Btuh	
Infiltration	Type	ACH			Volume			CFM=		Load	
	Natural	0.70			22690			265.2		7002 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							265		7002 Btuh	
Internal gain	Occupants 6			Btuh/occupant X 300 +			Appliance 1200		Load 3000 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Carl Wilson
Fort White, FL 32643-

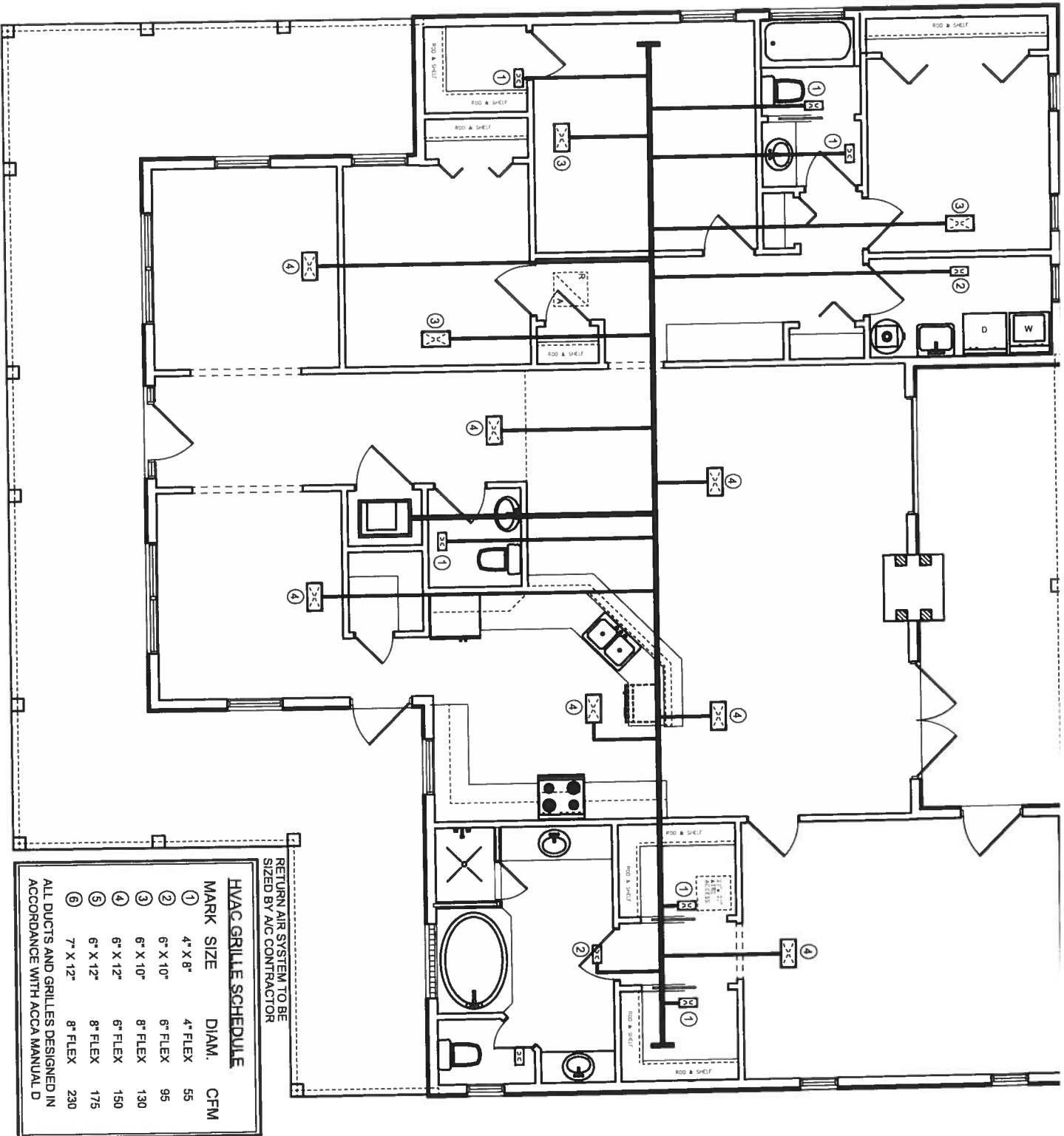
Project Title:
Mike Bennett

Class 3 Rating
Registration No. 0
Climate: North

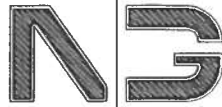
2/8/2005

Totals for Cooling	Subtotal	31716 Btuh
	Duct gain(using duct multiplier of 0.10)	3172 Btuh
	Total sensible gain	34888 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	9199 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	45467 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)



HVAC PLAN



**NICHOLAS
PAUL
GEISLER**
ARCHITECT
N.C.A.R.B. Certified

1758 NW Brown Road
Lake City, FL 32055
386/755-9021

25 APRIL 2006

JOHNNY KEARSE, BUILDING OFFICIAL
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: BENNETT RESIDENCE
PERMIT Nr.: 024-064

DEAR SIR:

PLEASE BE ADVISED OF THE FOLLOWING CHANGE TO THE CONSTRUCTION DOCUMENTS FOR THE ABOVE REFERENCED PROJECT:

IN LIEU OF TRUSS ANCHOR STRAPS AS PER "USP" HDPT2, IT SHALL BE PERMISSIBLE TO SUBSTITUTE "SIMPSON" H10 ANCHOR STRAPS FOR ALL LOCATIONS WHERE THE TRUSS UPLIFT, AS INDICATED IN THE TRUSS ENGINEERING, IS LESS THAN OR EQUAL TO 850 LBS.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

24064

COLUMBIA COUNTY FLORIDA DEPARTMENT OF BUILDING AND ZONING 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 20-6S-17-09703-002

Building permit No. 000024064

Use Classification SFD, UTILITY

Fire: 67.00

Permit Holder WILLIAM BEMERY

Waste: 201.00

Owner of Building MICHAEL & JENNI BENNETT

Total: 268.00

Location: 1692 SW CARL WILSON ROAD, FT. WHITE, FL

Date: 10/06/2006



Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)