

DATE 05/30/2007

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000025857

APPLICANT STEPHEN CRAWFORD PHONE 755-5068  
ADDRESS 11736 S US HWY 441 LAKE CITY FL 32025  
OWNER JAMES RIGSBY PHONE 755-2423  
ADDRESS 201 SE BEECH STREET LAKE CITY FL 32055  
CONTRACTOR STEPHEN CRAWFORD PHONE 755-5068  
LOCATION OF PROPERTY BAYA EAST R DEFENDER AVE ON RIGHT CORNER  
OF DEFENDER AND BEECH STREET

TYPE DEVELOPMENT INTERIOR REMODEL ESTIMATED COST OF CONSTRUCTION 125000.00  
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES  
FOUNDATION WALLS ROOF PITCH FLOOR  
LAND USE & ZONING CI MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT REAR SIDE  
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 34-3S-17-07082-000 SUBDIVISION BEECH STREET APARTMENTS  
LOT BLOCK PHASE UNIT TOTAL ACRES

RR0067266  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
X07-121 BK JH N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: INSIDE REMODEL, NOC ON FILE

Check # or Cash 8095

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power Foundation Monolithic date/app. by date/app. by date/app. by  
Under slab rough-in plumbing Slab Sheathing/Nailing date/app. by  
Framing Rough-in plumbing above slab and below wood floor date/app. by  
Electrical rough-in Heat & Air Duct Peri. beam (Lintel) date/app. by  
Permanent power C.O. Final Culvert date/app. by  
M/H tie downs, blocking, electricity and plumbing Pool date/app. by  
Reconnection Pump pole Utility Pole date/app. by  
M/H Pole Travel Trailer Re-roof date/app. by

BUILDING PERMIT FEE \$ 625.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00  
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$  
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 675.00  
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 INCONVENIENCE, 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.

THIS INSTRUMENT WAS PREPARED BY:

Recording Fee \$ 18.50  
Documentary Stamp \$ 700.00

TERRY McDAVID  
POST OFFICE BOX 1328  
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID  
POST OFFICE BOX 1328  
LAKE CITY, FL 32056-1328  
04-558  
Property Appraiser's  
Parcel Identification No.  
07082-000

Inst:2004018209 Date:08/09/2004 Time:09:44  
Doc Stamp-Deed : 700.00  
MK DC, P. DeWitt Cason, Columbia County B:1022 P:2783

### WARRANTY DEED

THIS INDENTURE, made this 30th day of July, 2004,  
BETWEEN CYNTHIA L. LOUDERMILK, DEBORAH S. OWENS and JANET S.  
RIVERS, who do not reside on the property described below, whose  
post office address is Post Office Box 2817, Lake City, Florida  
32056, of the County of Columbia, State of Florida, grantor\*, and  
JAMES W. RIGSBY, whose post office address is 351 SE Lake Forest  
Place, Lake City, Florida 32025, of the County of Columbia, State  
of Florida, grantee\*.

WITNESSETH: that said grantor, for and in consideration of  
the sum of Ten Dollars (\$10.00), and other good and valuable  
considerations to said grantor in hand paid by said grantee, the  
receipt whereof is hereby acknowledged, has granted, bargained and  
sold to the said grantee, and grantee's heirs and assigns forever,  
the following described land, situate, lying and being in Columbia  
County, Florida, to-wit:

That part of Block 12, COUNTRY CLUB ESTATES, described as  
follows: The South 35.00 feet of the West 33.00 feet of  
Lot 7; the West 33.00 feet and the South 35.00 feet of  
the East 92.00 feet of Lot 8; Lot 9; and Lot 10, all  
being in Block 12, COUNTRY CLUB ESTATES, as recorded in  
Plat Book 1, Page 7 of the public records of Columbia  
County, Florida.

LESS & EXCEPT that part, if any, described in Warranty  
Deed recorded in Official Records Book 957, Page 904 of  
the public records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding  
mineral rights of record, if any, and taxes for the  
current year.

N.B. None of the Grantors nor any member of their  
families live or reside on the property described herein  
or any land adjacent thereto or claim any part thereof or  
any land adjacent thereto as their homestead.

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.

\*"Grantor" and "grantee" are used for singular or plural, as context requires.

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

Signed, sealed and delivered  
in our presence:

DeEtte F. Brown  
(First Witness)  
DeEtte F. Brown  
Printed Name

Crystal L. Brunner  
(Second Witness)  
Crystal L. Brunner  
Printed Name

Cynthia L. Loudermilk (SEAL)  
CYNTHIA L. LOUDERMILK

Deborah S. Owens (SEAL)  
DEBORAH S. OWENS

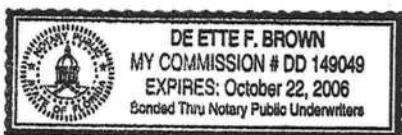
Janet S. Rivers (SEAL)  
JANET S. RIVERS

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 30th day of July, 2004, by CYNTHIA L. LOUDERMILK, DEBORAH S. OWENS and JANET S. RIVERS, who are personally known to me and who did not take an oath.

My Commission Expires:

DeEtte F. Brown  
Notary Public



Inst:2004018209 Date:08/09/2004 Time:09:44

Doc Stamp-Deed : 700.00

DC,P.DeWitt Cason,Columbia County B:1022 P:2784



**Columbia County Building Permit Application**

(25621 up) 675.00

**For Office Use Only** Application # 0705-68 Date Received 5/23/07 By UH Permit # 25857

Application Approved by - Zoning Official B2K Date 24.05.07 Plans Examiner OKJTH Date 5-24-07

Flood Zone X Development Permit N/A Zoning CI Land Use Plan Map Category Commercial

Comments Section 2.3.2 Non-Conforming Use of Land

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan Plans Existing ☒ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Stephen Crawford Phone 755-5068

Address 11736 S. US Hwy 441 Lake City, FL 32025

Owners Name James Riggsby Phone 755-2423

911 Address 201 SE Beech St. Lake City, FL 32055

Contractors Name Stephen Crawford Phone 755-5068

Address 11736 S US Hwy 441 Lake City, FL 32025

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

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address N/A

Mortgage Lenders Name & Address N/A

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

Property ID Number 34-35-17-07082-000 Estimated Cost of Construction 125,000.00

Subdivision Name N/A Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions Baya East. Turn <sup>L</sup> onto Defender Ave. Property on ~~Right~~ Left corner of Defender and Beech St.

Type of Construction Remodel Inside Only Number of Existing Dwellings on Property 1

Total Acreage 0.286 acres Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front \_\_\_\_\_ Side \_\_\_\_\_ Side \_\_\_\_\_ Rear \_\_\_\_\_

Total Building Height 23' Number of Stories 2 Heated Floor Area 6828 Roof Pitch 4/12

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

**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 Authorized Person by Notarized Letter \_\_\_\_\_

Contractor Signature \_\_\_\_\_

STATE OF FLORIDA  
COUNTY OF COLUMBIA



Contractors License Number \_\_\_\_\_

Competency Card Number \_\_\_\_\_

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me  
this 5 day of 23 2007.

Personally known / or Produced Identification \_\_\_\_\_

Notary Signature \_\_\_\_\_



NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

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

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

IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE  
RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 34-35-17-07082-000

Permit Number \_\_\_\_\_

1. Description of property: (legal description of the property and street address or 911 address)

The S 35ft of W 33ft of Lot 7 + W 33ft + S 35ft of  
E 92ft of Lot 8 + Lots 9 + 10 Bk 12 Country Club Estates S/D. ORB  
652-301, 771-578 (1/3 int each) WD 1022-2783, Cor WD 1115-1954

2. General description of improvement: renovation

3. Owner Name & Address James W Rigsby 781 SE Church Ave, Lake City  
FL 32025 Interest in Property owner

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

5. Contractor Name Stephen Crawford Construction Phone Number (386) 755-9068

Address 11736 S US Hwy 441 Lake City, FL 32025

6. Surety Holders Name W.L. Hunter Ins Phone Number (386) 752-6590

Address \_\_\_\_\_

Amount of Bond \_\_\_\_\_

7. Lender Name Peoples State Bank Phone Number 754-2002

Address 350 SW Main Blvd 32056

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 James W Rigsby Phone Number 755-2423

Address 781 SE Church Ave, Lake City FL 32025

9. In addition to himself/herself the owner designates \_\_\_\_\_ of  
\_\_\_\_\_ to receive a copy of the Lien 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) \_\_\_\_\_

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN  
IN HIS/HER STEAD.

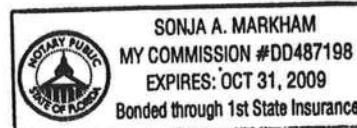
James W Rigsby  
Signature of Owner

By [Signature] Deputy Clerk  
Date 5-15-07

Sworn to (or affirmed) and subscribed before day of May 15, 2007.

[Signature]  
Signature of Notary

NOTARY STAMP/SEAL



FORM 600A-2004R

EnergyGauge® 4.5

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	Crawford- LL interior unit	Builder:	Stephen Crawford
Address:		Permitting Office:	
City, State:		Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Multi-family	a. Central Unit	Cap: 18.0 kBtu/hr SEER: 13.00
3. Number of units, if multi-family	3	b. N/A	
4. Number of Bedrooms	2	c. N/A	
5. Is this a worst case?	Yes	13. Heating systems	
6. Conditioned floor area (ft <sup>2</sup> )	684 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 18.0 kBtu/hr HSPF: 7.70
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		b. N/A	
a. U-factor:	Description Area	c. N/A	
(or Single or Double DEFAULT) 7a. (Dbl: Default)	68.0 ft <sup>2</sup>	14. Hot water systems	
b. SHGC:		a. Electric Resistance	Cap: 40.0 gallons EF: 0.92
(or Clear or Tint DEFAULT) 7b. (Clear)	68.0 ft <sup>2</sup>	b. N/A	
8. Floor types		c. Conservation credits	
a. Slab-On-Grade Edge Insulation	R=0.0, 44.0(p) ft	(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,	
9. Wall types		PT-Programmable Thermostat,	
a. Concrete, Int Insul, Exterior	R=4.1, 240.0 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=19.0, 684.0 ft <sup>2</sup>		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 69.0 ft		
b. N/A			

Glass/Floor Area: 0.10

Total as-built points: 10419

Total base points: 11226

**PASS**

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

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

DATE: \_\_\_\_\_

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

OWNER/AGENT: Stephen Crawford

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 553.906 Florida Statutes.



BUILDING OFFICIAL: \_\_\_\_\_

DATE: \_\_\_\_\_

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

FORM 600A-2004R

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# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
<b>GLASS TYPES</b>									
18 X Conditioned X BSPM = Points									
Floor Area				Type/SC	Overhang		Area X SPM X SOF = Points		
					Omt	Len	Hgt		
18	684.0	18.58	2389.0	1. Double, Clear	NW	2.0	5.0	34.0	25.97 0.84 738.0
				2. Double, Clear	NE	2.0	5.0	34.0	29.56 0.82 823.0
				As-Built Total:				68.0	1561.0
<b>WALL TYPES</b>									
Area X BSPM = Points				Type	R-Value		Area X SPM = Points		
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	4.1		240.0 1.13 272.4		
Exterior	240.0	1.70	408.0						
Base Total:				As-Built Total:				240.0	272.4
<b>DOOR TYPES</b>									
Area X BSPM = Points				Type	R-Value		Area X SPM = Points		
Adjacent	0.0	0.00	0.0	1. Exterior Insulated			36.0 4.10 147.6		
Exterior	36.0	6.10	219.6						
Base Total:				As-Built Total:				36.0	147.6
<b>CEILING TYPES</b>									
Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points		
Under Attic	684.0	1.73	1183.3	1. Under Attic	19.0		684.0 2.34 X 1.00 1600.6		
Base Total:				As-Built Total:				684.0	1600.6
<b>FLOOR TYPES</b>									
Area X BSPM = Points				Type	R-Value		Area X SPM = Points		
Slab	44.0(p)	-37.0	-1628.0	1. Slab-On-Grade Edge Insulation	0.0		44.0(p) -41.20 -1812.8		
Raised	0.0	0.00	0.0						
Base Total:				As-Built Total:				44.0	-1812.8
<b>INFILTRATION</b>									
Area X BSPM = Points				Area X SPM = Points					
684.0 10.21 6983.6				684.0 10.21 6983.6					
<b>Summer Base Points: 9455.6</b>				<b>Summer As-Built Points: 8752.4</b>					
<b>Total Summer X System = Cooling</b>				<b>Total X Cap X Duct X System X Credit = Cooling</b>					
<b>Points Multiplier Points</b>				<b>Component Ratio Multiplier Multiplier Multiplier Points</b>					
				<small>(System - Points) (DM x DSM x AHU)</small>					
				<small>(sys 1: Central Unit 18000btuh, SEER/EFF(13.0) Ducts: Con(S), Con(R), Int(AH), R0.0(NS)</small>					
9455.6	0.3250	3073.1	8752.4	1.00	1.00	1.147	0.91	0.260	1.000 2375.2
			8752.4	1.00	1.044	0.260	1.000	2375.2	



FORM 600A-2004R

EnergyGauge® 4.5

# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
<b>GLASS TYPES</b>											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	684.0	20.17	2483.0	1. Double, Clear	NW	2.0	5.0	34.0	24.30	1.01	833.0
				2. Double, Clear	NE	2.0	5.0	34.0	23.67	1.02	816.0
				As-Built Total:				68.0	1848.0		
<b>WALL TYPES</b>											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	1. Concrete, Int Insul, Exterior	4.1		240.0	6.42 1640.8			
Exterior	240.0	3.70	888.0								
Base Total:				As-Built Total:		240.0		1840.8			
<b>DOOR TYPES</b>											
Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	1. Exterior Insulated	36.0 8.40 302.4						
Exterior	36.0	12.30	442.8								
Base Total:				As-Built Total:		36.0		302.4			
<b>CEILING TYPES</b>											
Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	684.0	2.05	1402.2	1. Under Attic	19.0		684.0	2.70 X 1.00 1848.8			
Base Total:				As-Built Total:		684.0		1848.8			
<b>FLOOR TYPES</b>											
Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	44.0(p)	8.9	391.6	1. Slab-On-Grade Edge Insulation	0.0		44.0(p)	18.80 827.2			
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		44.0		827.2			
<b>INFILTRATION</b>											
Area X BWPM = Points				Area X WPM = Points							
	684.0	-0.59	-403.6	684.0 -0.59 -403.6							
<b>Winter Base Points:</b>				<b>Winter As-Built Points:</b>							
5204.0				5761.6							
<b>Total Winter X System = Heating Points</b>				<b>Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points</b>							
				(System - Points) (DM x DSM x AHU)							
				(sys 1: Electric Heat Pump 18000 btuh, EFF(7.7) Ducts: Con(S), Con(R), Int(AH), R8.0							
				5761.6	1.000	(1.000 x 1.169 x 0.93)	0.443	1.000	2774.0		
				5761.6	1.00	1.087	0.443	1.000	2774.0		
<b>5204.0 0.5640 2883.0</b>											



FORM 600A-2004R

EnergyGauge® 4.5

# WATER HEATING & CODE COMPLIANCE STATUS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING										
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank X Ratio	Multiplier X Credit	= Total Multiplier	
2		2635.00	5270.0	40.0	0.92	2	1.00	2635.00	1.00	5270.0
				As-Built Total:						5270.0

CODE COMPLIANCE STATUS							
BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
3073	2883	5270	11226	2375	2774	5270	10419

# PASS



FORM 600A-2004R

EnergyGauge® 4.5

# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: ...

PERMIT #:

**6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joist 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 reqs	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked air 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.

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Multi-family	a. Central Unit	Cap: 18.0 kBtu/hr
3. Number of units, if multi-family	3		SEER: 13.00
4. Number of Bedrooms	2	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft <sup>2</sup> )	684 ft <sup>2</sup>		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-1(4.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 18.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 68.0 ft <sup>2</sup>		HSPF: 7.70
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 68.0 ft <sup>2</sup>	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 44.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A			EF: 0.92
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Concrete, Int Insul, Exterior	R=4.1, 240.0 ft <sup>2</sup>	(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=19.0, 684.0 ft <sup>2</sup>	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 69.0 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 EnergyStar<sup>TM</sup> 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.flrec.ucf.edu](http://www.flrec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on page 28.4.  
EnergyGauge® (Version: FLRCSB v4.5)



Mar 27 07 02:56p

Ken Roche

386-755-3861

p. 1

Fax to  
755-6284



3/37/07

To: Rigsby Rentals

Re: Information for the building department with respect to plumbing work done at 201 SE Beech

First of all I am familiar with the history of the bldg. doing service work for D. Crapps 15 yrs ago plus.

1. All water is new—interior water is cpvc
2. shut offs for indiv. Apt. are out back
3. Heaters have pans
4. fixtures other than tubs are new
5. bathroom fixture locations have not changed
6. Kitchen sink waste arms were adjusted at 2<sup>nd</sup> rough —pvc—although main stacks and sewer is cast iron—all waste arms are less than 3 ft.
7. Camera shot the main sewer and jetted ( I had always remembered a bad spot in the sewer and it looked as though the floor had been chopped in that area....in any case the sewer looked ok.

Ken Roche  
Plumbing Now

A handwritten signature in black ink that reads "Ken Roche". The signature is written in a cursive, flowing style.



High Springs Plumbing & Electric, Inc.  
Phone 386 454-1407  
Fax 386 454-8351  
20605 N HWY 441  
High Springs, Fl 32643

April 30, 2007

To: John Kears  
Columbia County Bldg Dept.  
Job: Rigsby Townhomes

Mr. Kears,

This letter is to inform you of the electrical work we completed at the townhomes owned by Will Rigsby, at the corner of Beech and Defender. As you know we were not the first electrical contractor on this job, from what I have heard we were about the third. That being the case we removed all wire previously ran and started over. We wired it completely by the N.E.C. We placed GFI receptacles in kitchens and baths, arch - fault breakers for all bedrooms and interconnected smoke detectors in all bedrooms and living areas.

The electrical service was a 1200 amp service but was changed to a 1000 amp after meeting with the building dept. Each unit is supplied with a meter and a 150 amp panel. There is a house panel that serves a sump pump and walkway lighting. If you have any further questions please feel free to call me. Thank you for your cooperation in this matter.

Donnie Davis  
386 623-0499

**Stephen Crawford Construction, Inc.**  
**11736 S Us Hwy 441**  
**Lake City, FL 32025**

**Telephone: (386) 755-5068**  
**Fax (386) 758-9500**

April 30th, 2007

Columbia County Building Dept.  
135 NE Hernando  
Suite B 21  
Lake City, FL 32055

**RE: EAST SIDE PROJECT**

To Whom it may concern,

This letter is to inform you of a list of activities that were performed by Stephen Crawford Construction, Inc. at East Side Villages for Rigsby Rentals. This list of items included:

- \* New Hardi-Panel siding on rear of building
- \* New Vinyl Soffit & Fascia
- \* Patch minor Drywall repairs
- \* Coordinate w/ Rigsby Rentals painter to paint interior & exterior of building
- \* Coordinate w/ Electrician, Plumber and HVAC contractors that Mr. Rigsby had already hired.
- \* Install new cabinets and counter tops in Kitchen only.
- \* Finish remaining 25% of interior trim work.

If you have any questions about the list of activities performed please feel free to contact me at my office: (386) 755-5068 or on my cell phone: (386) 867-0127.

Thank You,



Stephen Crawford  
President/Owner





## Harry's Heating & Air Conditioning, Inc.

P.O. BOX 1321  
LAKE CITY, FLORIDA 32056-1321  
PHONE (904) 752-2308 FAX (904) 752-7003



May 4, 2007

Fax to:

John Kerce

758-2160

Columbia County Building Dept.

Attn: John Kerce

Job at 201 SE Beach Street Apartment Complex

Will Rigsby - Owner

10 Apartments

All air handlers , condensing units and duct systems changed out. All work was done to code.

Thanks,

Harry Moseley

President & Owner.

A handwritten signature in cursive script that reads "Harry Moseley".



## Harry's Heating & Air Conditioning, Inc.

P.O. BOX 1321  
LAKE CITY, FLORIDA 32056-1321  
PHONE (904) 752-2308 FAX (904) 752-7003



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Thanks,

Harry Moseley

President & Owner.

A handwritten signature in black ink that reads "Harry Moseley". The signature is written in a cursive style.





**AAMA/WDMA/CSA 101/I.S.2/A440-05  
TEST REPORT**

**Rendered to:**

**MI WINDOWS AND DOORS, INC.**

**SERIES/MODEL: 165/3000 (Oriel)**

**PRODUCT TYPE: Aluminum Single Hung Window  
(Fin and Flange)**

**Report No.: 67708.01-109-47**

**Revision 1: 12/15/06**

**Test Dates: 09/19/06**

**Through: 09/22/06**

**Report Date: 10/12/06**

**Expiration Date: 09/22/10**

**Summary of Results**

Summary of Results		
Title	Test Specimen #1	Test Specimen #2
Primary Product Designator	H-R25 1219 x 2286 (48 x 90)	H-R25 1219 x 2286 (48 x 90)
Design Pressure*	1200 Pa (25.08 psf)	1200 Pa (25.08 psf)
Negative Design Pressure*	1440 Pa (30.09 psf)	1200 Pa (25.08 psf)
Operating Force (in motion)	53.4 N (12.0 lbf)	N/A
Air Infiltration	0.76 L/s/m <sup>2</sup> (0.15 cfm/ft <sup>2</sup> )	N/A
Water Penetration Resistance Test Pressure*	290 Pa (6.06 psf)	290 Pa (6.06 psf)
Uniform Load Structural Test Pressure	+1800 Pa (37.62 psf) -2160 Pa (45.14 psf)	±1800 Pa (37.62 psf)
Forced Entry Resistance	Grade 10	N/A

Summary of Results		
Title	Test Specimen #3	Test Specimen #4
Primary Product Designator	H-R40* 1016 x 2286 (40 x 90)	H-R35* 1016 x 2286 (40 x 90)
Design Pressure*	1920 Pa (40.13 psf)	1689 Pa (35.3 psf)
Negative Design Pressure*	2259 Pa (47.2 psf)	2160 Pa (45.14 psf)
Operating Force (in motion)	N/A	N/A
Air Infiltration	N/A	N/A
Water Penetration Resistance Test Pressure*	N/A	N/A
Uniform Load Structural Test Pressure	+2880 Pa (60.19 psf) -3388 Pa (70.8 psf)	+2536 Pa (53.0 psf) -3240 Pa (67.71 psf)
Forced Entry Resistance	N/A	N/A

\*-Optional Secondary Designators

**Test Completion Date:** 09/22/06

Reference must be made to Report No. 67708.01-109-47, dated 12/15/06 for complete test specimen description and data.



**AAMA/WDMA/CSA 101/I.S.2/A440-05 TEST REPORT**

Rendered to:

MI WINDOWS AND DOORS, INC.  
P.O. Box 370  
650 West Market Street  
Gratz, Pennsylvania 17030-0370

Report No.: 67708.01-109-47  
Revision 1: 12/15/06  
Test Dates: 09/19/06  
Through: 09/22/06  
Report Date: 10/12/06  
Expiration Date: 09/22/10

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on four Series/Model 165/3000, single hung windows at the MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-R25 1219 x 2286 (48 x 90); Test Specimen #2: H-R25 1219 x 2286 (48 x 90); Test Specimen #3: H-R40\* 1016 x 2286 (40 x 90); Test Specimen #4: H-R35\* 1016 x 2286 (40 x 90). Test specimen description and results are reported herein.

**General Note:** *An asterisk (\*) next to the performance grade indicates that the size tested for optional performance was smaller than the Gateway test size for the product type and class.*

**Test Specification:** The test specimen was evaluated in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-05, *Standard/Specification for Windows, Doors, and Unit Skylights*.

**Test Specimen Description:**

**Series/Model:** 165/3000 (Oriol)

**Product Type:** Aluminum Single Hung Window

**Test Specimen #1:** H-R25 1219 x 2286 (48 x 90) (Fin)

**Overall Size:** 1219 mm (48") wide by 2286 mm (90") high

**Sash Size:** 1183 mm (46-9/16") wide by 914 mm (36") high

**Test Specimen Description: (Continued)**

**Test Specimen #1:** H-R25 1219 x 2286 (48 x 90) (Fin) (Continued)

**Screen Size:** 1168 mm (46") wide by 902 mm (35-1/2") high

**Overall Area:** 2.8 m<sup>2</sup> (30.0 ft<sup>2</sup>)

**Test Specimen #2:** H-R25 1219 x 2286 (48 x 90) (Flange)

**Overall Size:** 1219 mm (48") wide by 2286 mm (90") high

**Sash Size:** 1183 mm (46-9/16") wide by 914 mm (36") high

**Screen Size:** 1168 mm (46") wide by 902 mm (35-1/2") high

**Overall Area:** 2.8 m<sup>2</sup> (30 ft<sup>2</sup>)

**Test Specimen #3:** H-R40\* 1016 x 2286 (40 x 90) (Fin)

**Overall Size:** 1016 mm (40") wide by 2286 mm (90") high

**Sash Size:** 979 mm (38-9/16") wide by 914 mm (36") high

**Overall Area:** 2.3 m<sup>2</sup> (25.0 ft<sup>2</sup>)

**Test Specimen #4:** H-R35\* 1016 x 2286 (40 x 90) (Flange)

**Overall Size:** 1016 mm (40") wide by 2286 mm (90") high

**Sash Size:** 979 mm (38-9/16") wide by 914 mm (36") high

**Overall Area:** 2.3 m<sup>2</sup> (25.0 ft<sup>2</sup>)

*The following descriptions apply to all specimens.*

**Finish:** All aluminum was painted white.

**Frame Construction:** The frame was constructed of extruded aluminum. The corners were coped, butted, sealed, and secured with two #6 x 3/4" long pan head screws. The fixed meeting rail was secured with a plastic clip that was secured to the frame with two #6 x 5/8" long self-tapping screws and secured to the fixed meeting rail with two #6 x 1/2" long self-tapping screws.



**Test Specimen Description: (Continued)**

**Sash Construction:** The sash were constructed from extruded aluminum. The corners of sash were coped, butted, and secured with one #6 x 1" long pan head screw at each corner.

**Weatherstripping:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.187" backed by 0.210" polypile with center fin	1 Row	Meeting rail
0.187" backed by 0.425" two leaf foam bulb seal	1 Row	Bottom rail
0.187" backed by 0.250" polypile with center fin	2 Rows	Sash stiles

**Glazing Details:** The window utilized a 1/2" thick sealed insulating glass constructed from two sheets of 1/8" thick clear annealed glass and a metal reinforced butyl spacer system. The glass was set onto silicone and secured with PVC snap-in glazing beads.

**Drainage:** A sloped sill was utilized.

**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latches	2	Ends of meeting rail
Metal sweep lock	2	6" from each end of meeting rail
Spiral balance system	2	One per jamb

**Reinforcement:** No reinforcement was utilized.

**Screen Construction:** The screen was constructed from roll-formed aluminum, the corners were square-cut and keyed with plastic keys. The fiberglass mesh was secured with a flexible vinyl spline.

**Fin Installation:** The window was installed into a Spruce-Pine-Fir wood buck. The fin was set onto a bead of silicone and secured with #8 x 1-5/8" screws spaced 3" from ends and 12" on center through fin into wood buck.

**Test Results: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #1:</u> H-R25 1219 x 2286 (48 x 90) (Fin) (Continued)</b>			
5.3.5	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Test Disassembly	No entry	No entry
	Test A1 through A7	No entry	No entry
	Lock Hardware Manipulation Test	No entry	No entry
	Sash Manipulation Test	No entry	No entry
5.3.6.3	Deglazing Test		
	In operating direction - 320 N (70 lbs)		
	Top rail	3.3 mm (0.13")	11.4 mm (0.45")
	Bottom rail	3.3 mm (0.13")	11.4 mm (0.45")
	In remaining direction - 230 N (50 lbs)		
	Right stile	2.0 mm (0.08")	11.4 mm (0.45")
	Left stile	2.0 mm (0.08")	11.4 mm (0.45")
<b><u>Optional Performance</u></b>			
4.4.2.6	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	2.90 Pa (6.06 psf)	No leakage	No leakage
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1200 Pa (25.08 psf) (positive)	19.1 mm (0.75")	See Note #2
	1440 Pa (30.09 psf) (negative)	17.5 mm (0.69")	See Note #2

**Test Specimen Description: (Continued)**

**Flange Installation:** The window was installed into a Spruce-Pine-Fir wood buck. The window was secured with nine total #8 x 1-1/4" long pan head screws at the head and the jambs. The screws at the head were located 3-1/2" from ends and 19-1/2" on center. The screws at the jambs were located 5" from ends and 45" on center of both jambs. The window was then sealed with silicone.

**Test Results:** The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #1:</u></b> H-R25 1219 x 2286 (48 x 90) (Fin)			
5.3.1	Operating Force per ASTM E 2068		
	Initiate motion	84.5 N (19.0 lbf)	Report Only
	Maintain motion	57.8 N (13.0 lbf)	135 N (30 lbf)
5.3.2.1	Air Leakage Resistance per ASTM E 283		
	75 Pa (1.6 psf)	0.76 L/s/m <sup>2</sup> (0.15 cfm/ft <sup>2</sup> )	1.5 L/s/m <sup>2</sup> (0.3 cfm/ft <sup>2</sup> max.)
<i>Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440-05 for air leakage resistance.</i>			
5.3.3.1	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	140 Pa (2.93 psf)	No leakage	No leakage
5.3.4.2	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	720 Pa (15.05 psf) (positive)	9.7 mm (0.38")	See Note #2
	720 Pa (15.05 psf) (negative)	9.1 mm (0.36")	See Note #2
<i>Note #2: The deflections reported are not limited by AAMA/WDMA/CSA 101/I.S.2/A440-05 for this product designation. The deflection data is recorded in this report for special code compliance and information only.</i>			
5.3.4.3	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	1080 Pa (22.57 psf) (positive)	0.51 mm (0.02")	4.6 mm (0.18")
	1080 Pa (22.57 psf) (negative)	1.0 mm (0.04")	4.6 mm (0.18")

**Test Results: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #1:</u></b> H-R25 1219 x 2286 (48 x 90) (Fin) (Continued)			
<u>Optional Performance:</u> (Continued)			
4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	1800 Pa (37.62 psf) (positive)	3.8 mm (0.15")	4.6 mm (0.18") max.
	2160 Pa (45.14 psf) (negative)	4.6 mm (0.18")	4.6 mm (0.18") max.

**Test Specimen #2:** H-R25 1219 x 2286 (48 x 90) (Flange)

Optional Performance

4.4.2.6	Water Penetration Resistance per ASTM E 547 (with and without insect screen)		
	290 Pa (6.06 psf)	No leakage	No leakage
4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1200 Pa (25.08 psf) (positive)	15.7 mm (0.62")	See Note #2
	1200 Pa (25.08 psf) (negative)	14.2 mm (0.56")	See Note #2
4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	1800 Pa (37.62 psf) (positive)	3.0 mm (0.12")	4.6 mm (0.18") max.
	1800 Pa (37.62 psf) (negative)	2.0 mm (0.08")	4.6 mm (0.18") max.

**Test Specimen #3:** H-R40\* 1016 x 2286 (40 x 90) (Fin)

Optional Performance

4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1920 Pa (40.13 psf) (positive)	13.2 mm (0.52")	See Note #2
	2259 Pa (47.2 psf) (negative)	13.2 mm (0.52")	See Note #2



**Test Results: (Continued)**

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
<b><u>Test Specimen #3:</u></b> H-R40* 1016 x 2286 (40 x 90) (Fin) (Continued)			
<u>Optional Performance:</u> (Continued)			
4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 52 seconds)		
	2880 Pa (60.19 psf) (positive)	3.6 mm (0.14")	3.8 mm (0.15") max.
	3388 Pa (70.8 psf) (negative)	2.3 mm (0.09")	3.8 mm (0.15") max.

**Test Specimen #4:** H-R35\* 1016 x 2286 (40 x 90) (Flange)

Optional Performance

4.4.2.6	Uniform Load Deflection per ASTM E 330 (Deflections were taken on the meeting rail) (Loads were held for 52 seconds)		
	1689 Pa (35.3 psf) (positive)	9.9 mm (0.39")	See Note #2
	2160 Pa (45.14 psf) (negative)	14.0 mm (0.55")	See Note #2
4.4.2.6	Uniform Load Structural per ASTM E 330 (Permanent sets were taken on the meeting rail) (Loads were held for 10 seconds)		
	2536 Pa (53.0 psf) (positive)	1.5 mm (0.06")	3.8 mm (0.15") max.
	3240 Pa (67.71 psf) (negative)	3.0 mm (0.12")	3.8 mm (0.15") max.

**Drawing Reference:** The test specimen drawings have been reviewed by Architectural Testing, Inc. and are representative of the test specimen reported herein.

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.



Digitally Signed by: Jeremy R. Bender

---

Jeremy R. Bender  
Technician

JRB:vlm/cmd

Attachments (pages):

Appendix-A: Alteration Addendum (1)



Digitally Signed by: Michael D. Stremmel

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Michael D. Stremmel, P.E.  
Senior Project Engineer

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	10/12/06	N/A	Original report issue
1	12/15/06	Cover page and Page 1	Changed Product Type from "PVC" to "Aluminum" Single Hung Window
		Page 5	Removed Thermoplastic Corner Weld Test from results for Test Specimen #1



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## **Appendix A**

### **Alteration Addendum**

*Note: No alterations were required.*





Barnhart Building

1. Shim as required at each installation anchor as shown, with load bearing shim.
2. Anchor must be of sufficient length to provide 1 1/4" min. embedment into masonry or concrete.
3. Caulk between window flange and buck.
4. Caulk full perimeter of window.
5. If exact window size is not given, use anchor quantity for next larger window in chart.
6. Glass thickness will vary with window size and design load, and must comply with ASTM E1300.
7. Letter designations on the topcon\* location chart indicate where anchors are to be installed using the elevation as a key.
8. All factory applied holes not designated for topcon\* should be filled with #8 screws of sufficient lth. to provide 5/8" min. embedment into wood buck.

TAPCON* LOCATION CHART			
CODE SIZE	WINDOW ID SIZE	TAPCON* LOCATIONS	
		UP TO DP35	DP35.1 TO DP50
12	18 1/8 x 25	C, D	C, D
13	18 1/8 x 37 3/8	C, D	C, D
14	18 1/8 x 49 5/8	C, D	C, D
15	18 1/8 x 62	C, D	C, D
16	18 1/8 x 71 1/4	C, D	C, D
17	25 1/2 x 25	C, D	C, D
18	25 1/2 x 37 3/8	C, D	C, D
19	25 1/2 x 49 5/8	C, D	C, D
20	25 1/2 x 62	C, D	C, D
21	25 1/2 x 71 1/4	C, D	C, D
22	36 x 25	C, D	C, D
23	36 x 37 3/8	C, D	C, D
24	36 x 49 5/8	C, D	C, D
25	36 x 62	C, D	C, D
26	36 x 71 1/4	C, D	C, D
27	52 1/8 x 25	C, D	C, D
28	52 1/8 x 37 3/8	C, D	C, D
29	52 1/8 x 49 5/8	C, D	C, D
30	52 1/8 x 62	C, D	C, D
31	52 1/8 x 71 1/4	C, D	C, D
32	60 13/16 x 25	C, D	C, D
33	60 13/16 x 37 3/8	C, D	C, D
34	60 13/16 x 49 5/8	C, D	C, D
35	60 13/16 x 62	C, D	C, D
36	60 13/16 x 71 1/4	C, D	C, D
37	72 13/16 x 25	C, D	C, D
38	72 13/16 x 37 3/8	C, D	C, D
39	72 13/16 x 49 5/8	C, D	C, D
40	72 13/16 x 62	C, D	C, D
41	72 13/16 x 71 1/4	C, D	C, D
42	84 13/16 x 25	C, D	C, D
43	84 13/16 x 37 3/8	C, D	C, D
44	84 13/16 x 49 5/8	C, D	C, D
45	84 13/16 x 62	C, D	C, D
46	84 13/16 x 71 1/4	C, D	C, D
47	96 13/16 x 25	C, D	C, D
48	96 13/16 x 37 3/8	C, D	C, D
49	96 13/16 x 49 5/8	C, D	C, D
50	96 13/16 x 62	C, D	C, D
51	96 13/16 x 71 1/4	C, D	C, D

\*TAPCON\* TYPE HARDENED MASONRY SCREWS  
INCLUDE TAPCON, RAWL, & SIMPSON  
Design Pressure values listed above are in PSF

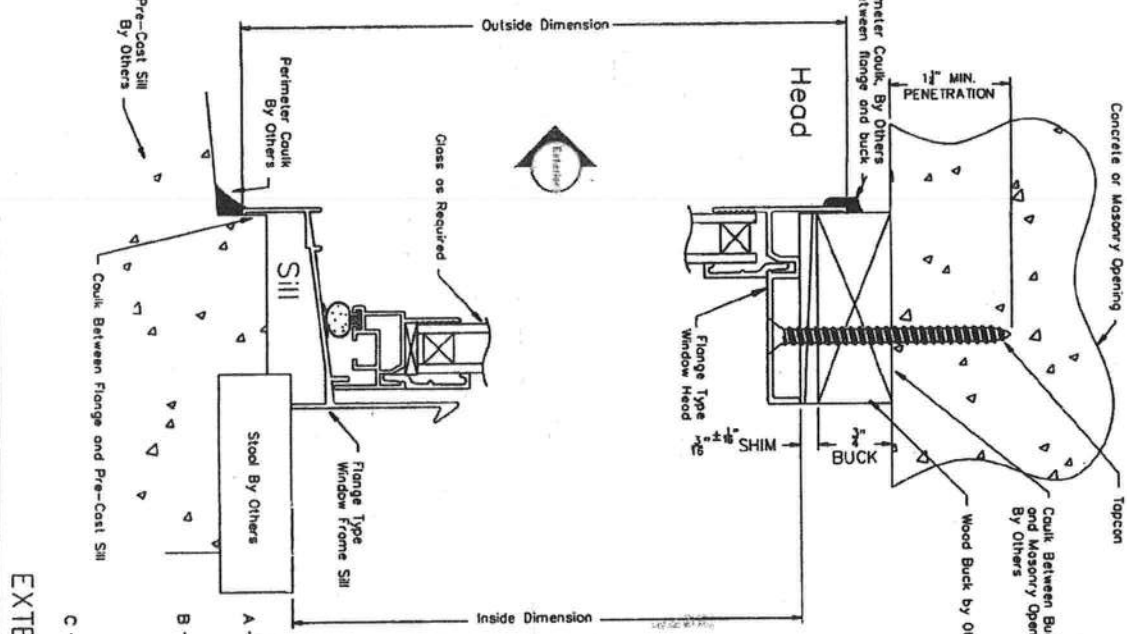
# INSTALLATION INSTRUCTIONS & FASTENER SCHEDULE

165 FLANGE SINGLE HUNG

DATE	1/15/02
SCALE	1" = 1'
REV	1
INST	165

EXTERIOR ELEVATION

03-02



675.2	165	Flange Frame 53x73 R-35 DP+35/-47.2
<b>Limits of Use</b> (See Other) <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure:</b> +/- <b>Other:</b> Per manufacturer's installation instructions. More information available at: <a href="http://www.mihp.com">www.mihp.com</a>		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By

**Maorite®**

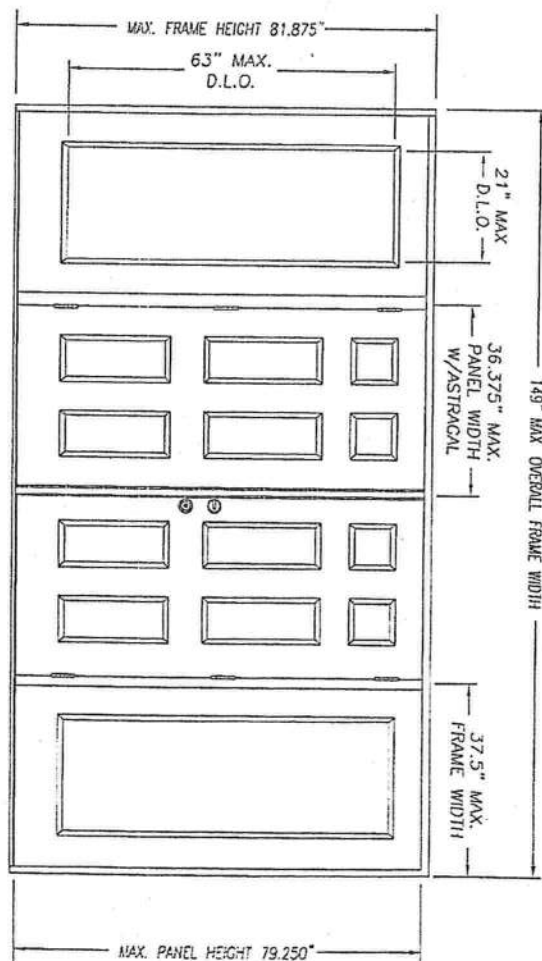
1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WITHOUT DEFECTS

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO BUILDING CODES AND WHICH PRESURE REQUIREMENTS ARE SPECIFIED BY ASCE 7. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. FIRE/RAMP PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPVQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1020	630 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.02
TENSILE STRENGTH*	ASTM D638	-7.46% DIFF
- \*COMPARATIVE TENSILE STRENGTH AFTER WEATHERING -4500 HOURS KENON ARC METHOD 1

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1020	630 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.4% DIFF

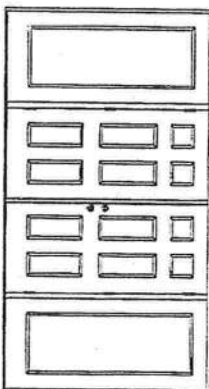
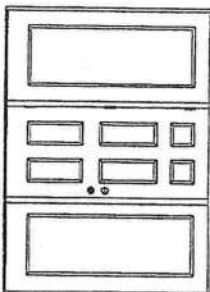
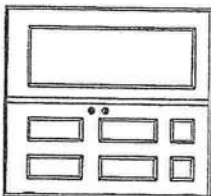
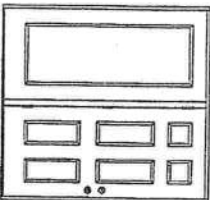
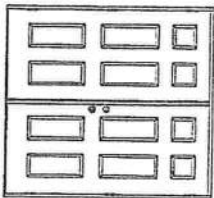
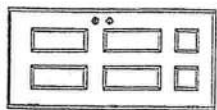
\* COMPADATED, TENSILE STRUTURAL AFTER 7-DAY CURE



DOUBLE INSWING UNIT W/SIDELITES

Addendum to NAWA  
 Certification No.: NI006110  
 Reviewed By: *[Signature]*  
 Date Reviewed: 8/10/05

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS



SINGLE DOOR UNIT

DOUBLE DOOR UNIT

SINGLE DOOR UNIT  
WITH SIDELITE

SINGLE DOOR UNIT  
WITH SIDE LITE

SINGLE DOOR UNIT W/SIDE LITES

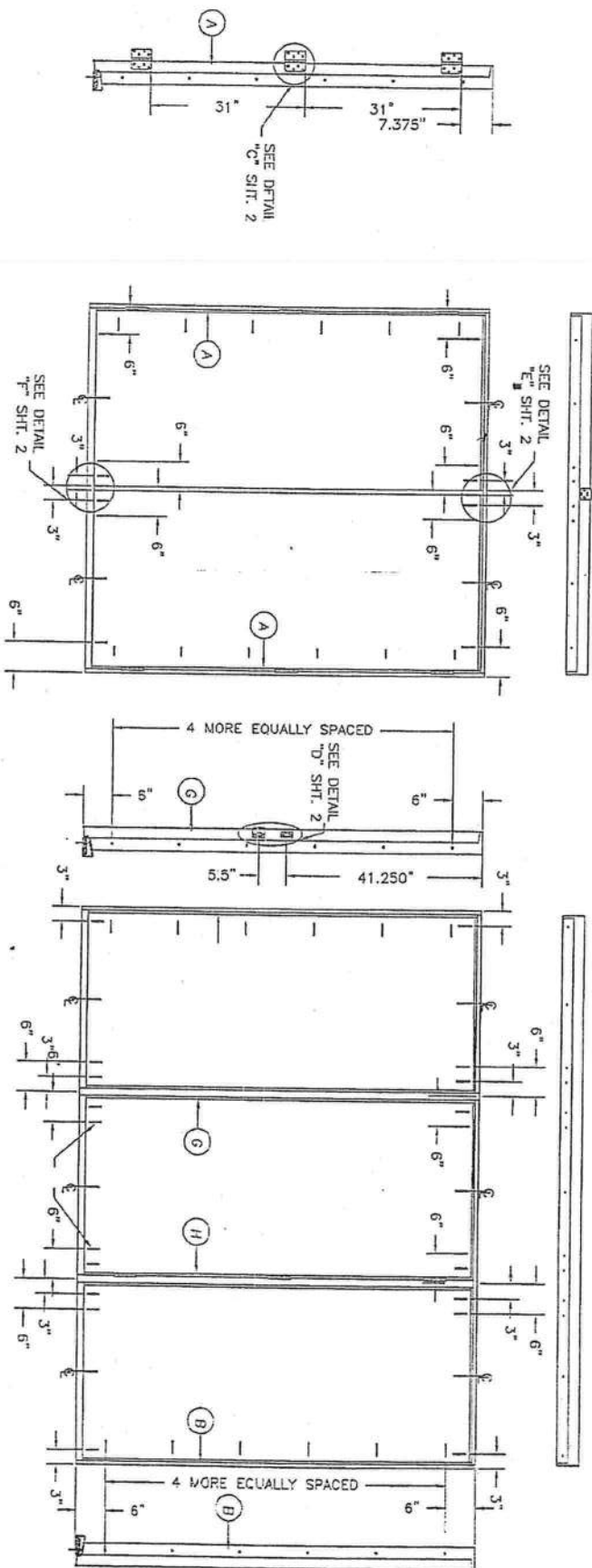
DOUBLE DOOR UNIT W/SIDELITES

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING				WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING		OUTSWING			
X	3.5"	+76.0	-76.0	+19.0	-19.0	+55.0	-55.0
AX	1/4"	+55.0	-55.0	+55.0	-55.0	+55.0	-55.0
OX	1/4"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0
OXO	112.5"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0
OXOX	149"	+55.0	-55.0	+19.0	-19.0	+55.0	-55.0

DATE: 7/11/05	NO.	DATE	REVISIONS	BY
SCALE: N.T.S.				
ORG. BY: SMS				
CHK. BY:				
DRAWING NO.:				
OWG-MA-FLOT28-05				
SHEET 1 OF 3				

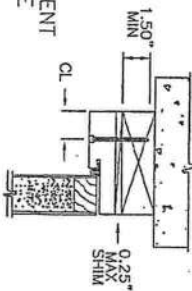
MASONITE INTERNATIONAL CORP.  
7300 REAMES RD.  
CHARLOTTE, NC 28216





# ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/A&PA NDA FOR SOUTHERN PINE LUMBER AND ACHIEVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



## HARDWARE SCHEDULE

1. KWIKSET OR SCHLEGEL ANSI/BHMA GRADE 3 OR BETTER CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2. 4" X 4" FULL MORTISE BUTT HINGES

Adopted to NMA

Certified By: Nicolaio  
 Date: 8/10/05

### PRODUCT:

"EXTERIOR DOOR PRODUCT"  
 6'-8" WOOD-EDGE STEEL ORANGE  
 DOUBLE DOOR UNIT

### PART OR ASSEMBLY:

ANCHORING LOCATIONS  
 & DETAILS

MASONITE INTERNATIONAL CORP.  
 7300 REAMES RD.  
 CHARLOTTE, NC 28216

DATE:	7/11/05
SCALE:	N.T.S.
REV. NO.:	SWS
CHK. BY:	
DWG. NO.:	DWG-MI-TL0128-05
SHEET:	3 OF 3

NO.	DATE	REVISIONS

18.1	Wood-Edge Steel Door Units	
<b>Limits of Use</b> (See Other) <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> None Known		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:

HARRY'S HEATING & AIR CONDITIONING, INC.  
P.O. BOX 1321  
LAKE CITY, FL 32056  
386-752-2308  
FAX# 386-752-7003

DATE: 17 MAY 07  
TO: Stephen Crawford Gonst  
FAX# 755-6284  
FROM: Rennie  
SUBJECT: MANUAL I

MESSAGE: Att. Will  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NUMBER OF PAGES INCLUDING COVER SHEET 3

# RESIDENTIAL HEATING AND COOLING REQUIREMENTS\*

Page 1

HVAC WORKSHEET  
FOR WATT-WISE  
LIVING

## HEATING AND COOLING REQUIREMENTS DUE TO GLASS AREA

DESIGN TEMPERATURE DIFFERENCE				
30°	35°	40°	45°	50°

WINDOWS & GLASS DOORS	AREA SQUARE FEET	HEATING MULTIPLIER (CIRCLE ONE)					HEATING (BTUH LOSS)
Glass Doors, Infiltration less than 1.0 CFM/FT							
Single Glass		50	60	70	75	85	
Double Glass		40	45	50	55	60	
Other Sliding Glass Doors							
Single Glass		75	85	100	115	125	
Double Glass		60	70	80	90	100	
Windows, Infiltration less than 0.50 CFM/FT							
Single Glass	78.32	40	50	60	60	70	2741
Double Glass		25	30	35	40	45	
Windows, Infiltration less than 0.75 CFM/FT							
Single Glass		45	50	60	65	75	
Double Glass		30	35	40	45	50	
Other Windows							
Single Glass		75	90	105	115	130	
Double Glass		60	70	80	90	105	
Fixed or Picture Windows							
Single Glass		40	50	55	60	70	
Double Glass		25	30	35	40	45	
Other							
Total BTUH Loss (Enter on Line 2, Page 2)							2741

WINDOWS & GLASS DOORS	AREA SQUARE FEET	COOLING MULTIPLIER (CIRCLE)												COOLING (BTUH GAIN)	
		SINGLE GLASS						DOUBLE GLASS							
		90°			95°			90°			95°				
		C	T	R	C	T	R	C	T	R	C	T	R		
No Shading															
N	9	30	22	20	30	26	25	20	14	13	25	17	16		225
NE & NW		60	41	38	65	45	41	60	29	24	60	32	27		
E & W	34.66	85	60	53	90	64	57	70	44	38	75	47	39		2600
SE & SW		75	51	45	80	55	50	60	37	30	65	40	33		
S	34.66	45	31	28	50	35	33	35	21	18	40	24	21		1386
Draperies or Blinds															
N		20	17	16	25	21	20	15	11	11	20	14	14		
NE & NW		35	33	30	40	37	34	30	22	21	35	25	24		
E & W		55	48	43	55	52	47	45	32	30	50	35	33		
SE & SW		45	39	35	50	43	39	40	26	25	40	28	28		
S		30	26	24	30	30	28	25	17	16	25	20	19		
Roller Shades															
N		25	19	17	25	23	22	20	12	11	20	15	14		
NE & NW		45	38	32	60	40	37	40	26	22	45	29	25		
E & W		65	53	47	70	57	51	55	37	32	60	40	35		
SE & SW		55	44	39	60	48	44	50	32	27	50	35	30		
S		35	28	25	40	32	30	30	20	16	35	23	19		
Awnings, Porches, Etc.															
All Directions		25	22	20	30	26	25	15	14	13	20	17	16		
Other															
Total BTUH Gain (Line 2, Page 2)															4271

\*REFERENCE A.C.C.A. MANUAL "J"

(C - Clear    T - Tinted    R - Reflective)

## TOTAL HEATING AND COOLING REQUIREMENTS

Page 2

or:

Name: Stephen Crawford Const

Address: \_\_\_\_\_

City: \_\_\_\_\_

ITEM	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE					HEATING (BTUH LOSS)	DESIGN TEMP		COOLING MULT. (CIRCLE)	COOLING (BTUH GAIN)
		30°	35°	40°	45°	50°		90°	95°		
Gross Wall Area	600										
Glass Area (From page 1)	79						2741				4811
Partitions, Frame											
Finished 1 side, No Insulation		17	19	22	25	28		6.5	10.0		
Finished 2 sides, No Insulation		9	11	12	14	16		4.5	6.0		
Finished 2 sides, R-5		4	5	5.5	6	7		2.5	3.5		
Finished 2 sides, R-11		2	3	3	4	4		2.0	2.5		
Other											
Doors (Excluding glass)											
No weatherstripping		135	160	180	200	225		10.0	13.0		
Weatherstripped		70	85	95	110	120		10.0	13.0		
R-5 Insulation, No weatherstripping		123	144	164	185	205		4.3	5.5		
R-5 Insulation, weatherstripping	40	68	79	90	101	113	3600	4.0	5.0		200
Other											
Net Exterior Walls											
CBS Furred, No Insulation		9	10	12	13	14		4.5	6.0		
CBS Furred, R-3 Insulation		5	6	7	8	8		3.0	4.2		
CBS Furred, R-4 Insulation		4	5	6	6	7		2.7	3.8		
CBS Furred, R-5 Insulation	522	4	5	6	6	6	2610	2.5	3.5		1827
Frame, No Insulation		8	9	10	11	13		5.5	7.0		
Frame, R-11 Insulation		2	2	3	3	4		2.5	3.0		
Frame, R-14 Insulation		1.6	1.7	2	2.5	3		2	2.8		
Other											
Ceiling under attic											
No Insulation	DK LT	18	21	24	27	30		9	7	10	8.6
R-11 Insulation	DK LT	2.4	2.8	3.2	3.6	3.9		2.5	2	3	2.6
R-19 Insulation	DK LT	1.5	1.7	1.9	2.2	2.4		1.5	1.5	2	1.6
R-22 Insulation	DK LT	1.2	1.5	1.7	1.9	2.1		1.5	1.0	1.5	1.6
R-26 Insulation	DK LT	1.1	1.3	1.4	1.6	1.8		1.3	1	1.5	1.2
R-30 Insulation	DK LT	1	1.1	1.3	1.4	1.6	887	1.1	9	1.3	1.0
Other											
Floor, Concrete Slab											
No Edge Insulation	Perimeter Ft.	75	35	40	45	45	3000	0	0		
Other											
Subtotal							12838				6920
People @ 300 & Appl. @ 1200											4500
Sensible BTUH Gain											
Duct BTUH Loss & Gain											
2 In. Flex. or 1 In. Rigid							12838				11420
1 1/2 In. Rigid							1284	.10			1142
Total BTUH Loss							.075		.075		
Subtotal BTUH Gain							14122				
x 1.3 = Total BTUH Gain											18562
											16331

Calculated Heating Requirements 14,122 BTUH  
 Size of Unit Chosen 18,000 BTUH  
 Oversized \_\_\_\_\_  
 Undersized \_\_\_\_\_

Calculated Cooling Requirements 16,331 BTUH  
 Size of Unit Chosen 18,000 BTUH  
 % Oversized \_\_\_\_\_  
 % Undersized \_\_\_\_\_

HARRY'S HEATING & AIR CONDITIONING, INC.  
P.O. BOX 1321  
LAKE CITY, FL 32056  
386-752-2308  
FAX# 386-752-7003

DATE: 17 MAY 07  
TO: Stephen Crawford Gonst  
FAX# 755-6284  
FROM: Rennie  
SUBJECT: MANUAL J

MESSAGE: Att. Will  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NUMBER OF PAGES INCLUDING COVER SHEET 3



# RESIDENTIAL HEATING AND COOLING REQUIREMENTS\*

Page 1



## HEATING AND COOLING REQUIREMENTS DUE TO GLASS AREA

DESIGN TEMPERATURE DIFFERENCE				
30°	35°	40°	45°	50°

WINDOWS & GLASS DOORS	AREA SQUARE FEET	HEATING MULTIPLIER (CIRCLE ONE)					HEATING (BTUH LOSS)
Glass Doors, Infiltration less than 1.0 CFM/FT							
Single Glass		50	60	70	75	85	
Double Glass		40	45	50	55	60	
Other Sliding Glass Doors							
Single Glass		75	85	100	115	125	
Double Glass		60	70	80	90	100	
Windows, Infiltration less than 0.50 CFM/FT							
Single Glass	78.32	40	50	60	60	70	2741
Double Glass		25	30	35	40	45	
Windows, Infiltration less than 0.75 CFM/FT							
Single Glass		45	50	60	65	75	
Double Glass		30	35	40	45	50	
Other Windows							
Single Glass		75	90	105	115	130	
Double Glass		60	70	80	90	105	
Fixed or Picture Windows							
Single Glass		40	50	55	60	70	
Double Glass		25	30	35	40	45	
Other							
Total BTUH Loss (Enter on Line 2, Page 2)							2741

WINDOWS & GLASS DOORS	AREA SQUARE FEET	COOLING MULTIPLIER (CIRCLE)												COOLING (BTUH GAIN)	
		SINGLE GLASS						DOUBLE GLASS							
		90°			95°			90°			95°				
		C	T	R	C	T	R	C	T	R	C	T	R		
No Shading															
N	9	30	22	20	30	26	25	20	14	13	25	17	16	225	
NE & NW		60	41	36	65	45	41	50	28	24	60	32	27		
E & W	34.66	85	60	53	90	64	57	70	44	36	75	47	39	2600	
SE & SW		75	51	45	80	55	50	60	37	30	65	40	33		
S	34.66	45	31	28	50	35	33	35	21	18	40	24	21	1386	
Draperies or Blinds															
N		20	17	16	25	21	20	15	11	11	20	14	14		
NE & NW		35	33	30	40	37	34	30	22	21	35	25	24		
E & W		55	48	43	55	52	47	45	32	30	50	35	33		
SE & SW		45	39	35	50	43	39	40	26	25	40	29	28		
S		30	26	24	30	30	28	25	17	16	25	20	19		
Roller Shades															
N		25	19	17	25	23	22	20	12	11	20	16	14		
NE & NW		45	36	32	50	40	37	40	26	22	45	29	25		
E & W		65	53	47	70	57	51	55	37	32	60	40	35		
SE & SW		55	44	39	60	48	44	50	32	27	50	35	30		
S		35	28	25	40	32	30	30	20	16	35	23	19		
Awnings, Porches, Etc.															
All Directions		25	22	20	30	26	25	15	14	13	20	17	16		
Other															
Total BTUH Gain (Line 2, Page 2)														4211	

\*REFERENCE A.C.C.A. MANUAL "J"

(C - Clear T - Tinted R - Reflective)

## TOTAL HEATING AND COOLING REQUIREMENTS

Page 2

or:

Name: Stephen Crawford Const

Address: \_\_\_\_\_

City: \_\_\_\_\_

ITEM	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE					HEATING (BTUH LOSS)	DESIGN TEMP		COOLING MULT. (CIRCLE)	COOLING (BTUH GAIN)
		30°	35°	40°	45°	50°		90°	95°		
Gross Wall Area	600										
Glass Area (From page 1)	78						2741				4811
Partitions, Frame											
Finished 1 side, No Insulation		17	19	22	25	28		6.5	10.0		
Finished 2 sides, No Insulation		9	11	12	14	16		4.5	6.0		
Finished 2 sides, R-5		4	5	5.5	6	7		2.5	3.5		
Finished 2 sides, R-11		2	3	3	4	4		2.0	2.5		
Other											
Doors (Excluding glass)											
No weatherstripping		135	160	180	200	225		10.0	13.0		
Weatherstripped		70	85	95	110	120		10.0	13.0		
R-5 Insulation, No weatherstripping		123	144	164	185	205		4.3	5.5		
R-5 Insulation, weatherstripping	40	68	79	90	101	113	3600	4.0	5.0		200
Other											
Net Exterior Walls											
CBS Furred, No Insulation		9	10	12	13	14		4.5	6.0		
CBS Furred, R-3 Insulation		5	6	7	8	8		3.0	4.2		
CBS Furred, R-4 Insulation		4	5	6	6	7		2.7	3.8		
CBS Furred, R-5 Insulation	522	4	5	5	6	6	2610	2.5	3.5		1827
Frame, No Insulation		8	9	10	11	13		5.5	7.0		
Frame, R-11 Insulation		2	2	3	3	4		2.5	3.0		
Frame, R-14 Insulation		1.6	1.7	2	2.5	3		2	2.8		
Other											
Ceiling under attic	Roof										
No Insulation	DK LT	18	21	24	27	30		9	7	10	8.5
R-11 Insulation	DK LT	2.4	2.8	3.2	3.6	3.9		2.5	2	3	2.6
R-19 Insulation	DK LT	1.5	1.7	1.9	2.2	2.4		1.5	1.5	2	1.6
R-22 Insulation	DK LT	1.2	1.5	1.7	1.9	2.1		1.5	1.0	1.5	1.6
R-26 Insulation	DK LT	1.1	1.3	1.4	1.6	1.8		1.3	1	1.5	1.2
R-30 Insulation	DK LT	1	1.1	1.3	1.4	1.6	887	1.1	9	1.3	1.0
Other											
Floor, Concrete Slab	Perimeter Ft.										
No Edge Insulation	75	35	40	40	45	45	3000	0	0		
Other											
Subtotal							12838				6920
People @ 300 & Appl. @ 1200											4500
Sensible BTUH Gain											
Duct BTUH Loss & Gain							12838				11420
2 In. Flex. or 1 In. Rigid							1284		10		1142
1 1/2 In. Rigid									.075		
Total BTUH Loss							14122				
Subtotal BTUH Gain											12562
x 1.3 = Total BTUH Gain											16331

Calculated Heating Requirements 14122Size of Unit Chosen 18,000

Oversized

Undersized

BTUH

BTUH

Calculated Cooling Requirements 16331Size of Unit Chosen 18,000

% Oversized

% Undersized

BTUH

BTUH



# COLUMBIA COUNTY OFFICE OF CIVIL ENGINEERING

## 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 34-3S-17-07082-000

Building permit No. 000025857

Use Classification INTERIOR REMODEL

Fire: 0.00

Permit Holder STEPHEN CRAWFORD

Waste:           

Owner of Building JAMES RIGSBY

Total: 0.00

Location: 201 SE BEECH STREET, LAKE CITY, FL

Date: 06/28/2007

*Shary Ricks*

Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)

OH  
ad 5/15/11  
noted 11/13/11  
Fid Dept 2011  
P33U