

DATE12/29/2005

Columbia County Building Permit

PERMIT000023995

This Permit Expires One Year From the Date of Issue

APPLICANTROBERT WALKER

PHONE954-592-0855

ADDRESS235SW SIGNAL CT

FT WHITE

FL32038

OWNERROBERT WALKER

PHONE954-592-0855

ADDRESS235SW SIGNAL CT

FT WHITE

FL32038

CONTRACTOROWNER

PHONE

LOCATION OF PROPERTY47 S, L 27, R FRY RD, R CUMBERLAND RD, L SIGNAL CT,

@ END ON LEFT

TYPE DEVELOPMENTSFD,UTILITY

ESTIMATED COST OF CONSTRUCTION94800.00

HEATED FLOOR AREA1896.00

TOTAL AREA2922.00

HEIGHT25.00

STORIES1

FOUNDATIONCONCRETE

WALLSFRAMED

ROOF PITCH5/12

FLOORSLAB

LAND USE & ZONINGA-3

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.0

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID15-7S-16-04226-145

SUBDIVISIONSHILOAH RIDGE

LOT45

BLOCK

PHASE

UNIT

TOTAL ACRES10.00

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

EXISTING

05-0749-N

BK

JH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS:FLOOR 1 FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash1058

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

BUILDING PERMIT FEE \$	475.00	CERTIFICATION FEE \$	14.61	SURCHARGE FEE \$	14.61		
MISC. FEES \$	0.00	ZONING CERT. FEE \$	50.00	FIRE FEE \$	0.00	WASTE FEE \$	
FLOOD DEVELOPMENT FEE \$		FLOOD ZONE FEE \$	25.00	CULVERT FEE \$		TOTAL FEE	579.22
INSPECTORS OFFICE	L.H.		CLERKS OFFICE	CH			

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

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

This Permit Must Be Prominently Posted on Premises During Construction

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

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



# COLUMBIA COUNTY OFFICE COLUMBIA

## 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 15-7S-16-04226-145

Building permit No. 000023995

Use Classification SFD, UTILITY

Fire: 10.79

Permit Holder OWNER

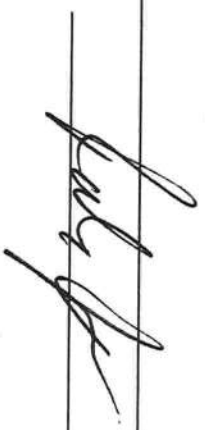
Waste: 16.75

Owner of Building ROBERT WALKER

Total: 27.54

Location: 235 SW SIGNAL COURT, FT. WHITE, FL

Date: 09/25/2007



Building Inspector



POST IN A CONSPICUOUS PLACE  
(Business Places Only)



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

Tax Parcel ID Number 15751604 226 145

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

See EXHIBIT A ATTACHED

235 SW Signal CT Ft White FLA.

General description of improvement:

Inst:2005032094 Date:12/28/2005 Time:11:48

✓ DC, P. DeWitt Cason, Columbia County B:1069 P:1369

Owner Name & Address

Robert G Walker

235 SW Signal CT Ft White

Interest in Property Owner

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

Contractor Name

Robert G Walker

Phone Number

954-592-0855

Address

235 SW Signal CT

Ft White FLA

Surety Holders Name

Phone Number

Address

Amount of Bond

Lender Name

Phone Number

Address

Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:

Name

Phone Number

Address

In addition to himself/herself the owner designates

of

to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee

Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified))

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Robert G Walker

Signature of Owner



Sworn to (or affirmed) and subscribed before day of June 22nd, 2005

NOTARY STAMP/SEAL

Mildred J. King  
Signature of Notary



For Office Use Only Application # 0506-70 Date Received 6/24/05 By JW Permit # 23995  
 Application Approved by - Zoning Official BLK Date 29.06.05 Plans Examiner OK JTH Date 6-30-05  
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
 Comments SEE CHARTER  
NO NOC

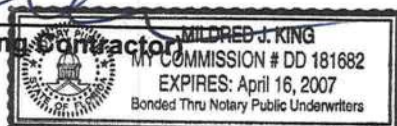
Applicants Name Robert G. WALKER Phone 954-592-0855  
 Address 235 S.W. Signal CT. Ft White, FLA 32038  
 Owners Name Robert G. WALKER Phone 954-592-0855  
 911 Address 235 SW Signal CT Ft White FLA 32038  
 Contractors Name Robert G. WALKER Phone \_\_\_\_\_  
 Address 235 SW Signal CT Ft White FLA 32038  
 Fee Simple Owner Name & Address \_\_\_\_\_  
 Bonding Co. Name & Address \_\_\_\_\_  
 Architect/Engineer Name & Address JAMES A. BLAIR AIA 5326 NW 102nd Place  
 Mortgage Lenders Name & Address CASH Gainesville FLA 32653  
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
 Property ID Number 15-75-16-04-226-145 Estimated Cost of Construction 170,000  
 Subdivision Name Shiloh Ridge Lot 45 Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions HWY 47 TO Ft White South on Hwy 27 TO Fry Rd  
TURN RT GO TO Cumberland Rd. Signal CT TURN LEFT  
END ON LEFT  
 Type of Construction CBS Block Number of Existing Dwellings on Property 0  
 Total Acreage 10 Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
 Actual Distance of Structure from Property Lines - Front 380' Side 400' Side 212' Rear 207'  
 Total Building Height 25' Number of Stories 1 Heated Floor Area 2200 Roof Pitch 12'5"  
PORCHES 592 GARAGE 434 1896 TOTAL 2922

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 22nd day of June 2005

Personally known \_\_\_\_\_ or Produced Identification FLUC

2426-767-5085-0

Contractor Signature

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

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

NOTARY STAMP/SEAL

Notary Signature



## EXHIBIT "A"

### PROPERTY DESCRIPTION

Lot 45:

Commence at the Southwest corner of N ½ of the SW 1/4 of Section 15, Township 7 South, Range 16 East, Columbia County, Florida, and run thence N 89° 05' 46" E, along the South line of said N ½ of SW 1/4, 659.08 feet to the Southwest corner of said lot and to the point of beginning; thence continue N 89° 05' 46" E along said South line, 659.25 feet; thence N 00° 45' 48" W, 661.93 feet; thence South 89° 04' 47" W, 658.97 feet; thence S 00° 45' 48" W, 661.93 feet; thence South 89° 04' 47" W, 658.97 feet; thence S 00° 44' 30" W, 661.74 feet to the point of beginning, said lands being subject to a cul de sac easement for ingress and egress in the Northwest corner thereof.

Together with an easement for regress and egress over and across the following described property:

60 - foot road easement

A strip of land 60 feet in width being 30 feet each side of a centerline described as follows:

Commence at the Southeast corner of the SW 1/4 of the NE 1/4 of Section 15, Township 6 South, Range 16 East, Columbia County, Florida and run thence S 89° 03' 48" W, 20.45 feet to the West line of Fry Road and to the Point of Beginning, thence continue S 89° 03' 48" W, 1976.52 feet to reference Point "A", thence continue S 89° 03' 48" W, 1317.40 feet to reference Point "B", thence continue S 89° 03' 48" W, 659.08 feet to the Point of Termination. Also begin at reference point "A" and run thence N 00° 47' 23" W, 1324.16 feet, thence N 00° 12' 04" E, 662.25 feet, thence N 00° 47' 23" W, 40.0 feet to the centerpoint of a cul-de-sac having a radius of 50 feet and to the point of termination. Also begin at reference point "A" and run thence S 00° 47' 23" E, 702.12 feet to the centerpoint of a cul-de-sac having a radius of 50 feet and to the point of termination. Also begin at reference point "B" and run thence S 00° 44' 30" W, 1323.37 feet, thence N 00° 30' 31" W, 701.80 feet to the centerpoint of a cul-de-sac having a radius of 50 feet and to the point of termination. Also begin at reference point "B" and run thence S 00° 44' 30" E, 701.74 feet to the centerpoint of a cul-de-sac having a radius of 50 feet and to the point of termination.

(Easement for Phases 2 and 3, Shiloh Ridge)

Inst:2005032094 Date:12/28/2005 Time:11:48  
DC,P.Dewitt Cason,Columbia County B:1069 P:1370



## DISCLOSURE STATEMENT

### FOR OWNER/BUILDER WHEN ACTING AS THEIR OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

#### TYPE OF CONSTRUCTION

- ☒ Single Family Dwelling  
☐ Farm Outbuilding  
☐ New Construction

- ☐ Two-Family Residence  
☐ Other \_\_\_\_\_

☐ Addition, Alteration, Modification or other Improvement

#### NEW CONSTRUCTION OR IMPROVEMENT

I ROBERT WAUCKEY, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number \_\_\_\_\_

Signature

Date

#### FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date 6-22-05 Building Official/Representative

[Signature]



This Document Prepared By and Return to:

Paul Schlegel, Esq.

Paul Schlegel, P.A.

100 West Cypress Creek Road, Suite 910  
Fort Lauderdale, FL 33309

Tel: 954-771-8929

Inst:2005009976 Date:04/29/2005 Time:15:25

Doc Stamp-Deed : 0.70

*YMK* DC, P. Dewitt Cason, Columbia County B:1044 P:2037

Parcel ID Number: R04226-145

## Quitclaim Deed

This Quitclaim Deed, Made this 12<sup>th</sup> day of April, 2005 A.D., Between  
ERICA L. WALKER and AMY S. WALKER, both single persons

of the County of \_\_\_\_\_, State of Florida, grantor, and  
ROBERT G. WALKER and MARSHA W. WALKER, husband and wife

whose address is: 171 S.W. 10th Street, Pompano Beach, FL 33060

of the County of Broward, State of Florida, grantee.

Witnesseth that the GRANTOR, for and in consideration of the sum of

-----TEN DOLLARS (\$10)----- DOLLARS,  
and other good and valuable consideration to GRANTOR in hand paid by GRANTEE, the receipt whereof is hereby acknowledged, has  
granted, bargained and quitclaimed to the said GRANTEE and GRANTEE'S heirs, successors and assigns forever, the following described land, situate,  
lying and being in the County of Columbia State of Florida to wit:  
See Attached Exhibit "A"

**To Have and to Hold** the same together with all and singular the appurtenances thereunto belonging or in anywise  
appertaining, and all the estate, right, title, interest, lien, equity and claim whatsoever of grantor, either in law or equity, for  
the use, benefit and profit of the said grantee forever.

**In Witness Whereof**, the grantor has hereunto set their hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

Lyllien Rodriguez

Printed Name: Lyllien Rodriguez

Witness

Tom Walker

Printed Name: \_\_\_\_\_

Erica Walker Negrin

Erica L. Walker Negrin (Seal)

P.O. Address: 1713 Whitehall Dr., #103  
Ft. Lauderdale, FL 33324

Amy S. Walker

Amy S. Walker (Seal)



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(Easement for Phases 2 and 3, Shiloh Ridge)

Inst:2005009976 Date:04/29/2005 Time:15:25  
Doc Stamp-Deed : 0.70  
DC, P. Dewitt Cason, Columbia County B:1044 P:2038



FRIER

10

ZONE A

0506-70

15

22





# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs  
Residential Whole Building Performance Method A

Project Name:	<b>WALKER</b>	Builder:	<b>ROBERT WALKER</b>
Address:		Permitting Office:	
City, State:	,	Permit Number:	
Owner:		Jurisdiction Number:	
Climate Zone:	<b>North</b>		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.6 kBtu/hr
3. Number of units, if multi-family	1		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 (ft²)	1944 ft²		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 35.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default)	215.0 ft²		HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear)	215.0 ft²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=4.0, 216.0(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=5.0, 2050.0 ft²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft²	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, 1944.0 ft²	MZ-C-Multizone cooling,	
b. Under Attic	R=19.0, 88.0 ft²	MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 228.0 ft		
b. N/A			

Glass/Floor Area: 0.11

Total as-built points: 25350

Total base points: 28419

**PASS**

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

PREPARED BY: **SUNCOAST INSULATORS**  
826 NW 263rd Terrace  
Newberry, FL 33889  
(352) 472-0005  
Fax (352) 472-2633

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: \_\_\_\_\_



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



# Code Compliance Checklist

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

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

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

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

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



**WATER HEATING & CODE COMPLIANCE STATUS**  
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING									
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier = Total
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
11286		11863	5270 28419	7992		12088	5270 25350

PASS





# WINTER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 18908.0			Winter As-Built Points: 22692.8					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
18908.0	0.6274	11862.9	(sys 1: Electric Heat Pump 35000 btuh ,EFF(8.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 22692.8 1.000 (1.069 x 1.169 x 1.00) 0.426 1.000 12087.7 22692.8 1.00 1.250 0.426 1.000 12087.7					



WINTER CALCULATIONS  
Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt			Area X WPM X WOF = Point			
.18	1944.0	12.74	4458.0	Double, Clear	SW	2.0	6.0	47.0	16.74	1.11	875.6
				Double, Clear	SE	2.0	6.0	64.0	14.71	1.18	1106.0
				Double, Clear	NW	2.0	6.0	30.0	24.30	1.01	733.8
				Double, Clear	NE	2.0	6.0	74.0	23.57	1.01	1766.2
				As-Built Total:						215.0	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	220.0	3.60	792.0	Concrete, Int Insul, Exterior	5.0		2050.0	5.70	11685.0		
Exterior	2050.0	3.70	7585.0	Frame, Wood, Adjacent	13.0		220.0	3.30	726.0		
Base Total:		2270.0	8377.0	As-Built Total:				2270.0			12411.0
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	20.0	11.50	230.0	Exterior Insulated	88.0 8.40 739.2						
Exterior	88.0	12.30	1082.4	Adjacent Insulated	20.0 8.00 160.0						
Base Total:		108.0	1312.4	As-Built Total:				108.0			899.2
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1944.0	2.05	3985.2	Under Attic	30.0		1944.0	2.05 X 1.00	3985.2		
				Under Attic	19.0		88.0	2.70 X 1.00	237.6		
Base Total:		1944.0	3985.2	As-Built Total:				2032.0			4222.8
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	216.0(p)	8.9	1922.4	Slab-On-Grade Edge Insulation	4.0		216.0(p)	8.45	1825.2		
Raised	0.0	0.00	0.0								
Base Total:			1922.4	As-Built Total:				216.0			1825.2
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
		1944.0	-0.59					1944.0	-0.59		
			-1147.0								



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 26455.6				Summer As-Built Points: 24349.2						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
26455.6		0.4266	11285.9	(sys 1: Central Unit 33600 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 24349		1.00	(1.09 x 1.147 x 1.00)	0.263	1.000	7992.2
				24349.2		1.00	1.250	0.263	1.000	7992.2



# SUMMER CALCULATIONS

## Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Omt Len Hgt			Area X SPM X SOF = Points			
.18	1944.0	20.04	7012.4	Double, Clear	SW	2.0	6.0	47.0	40.16	0.80	1519.3
				Double, Clear	SE	2.0	6.0	64.0	42.75	0.80	2195.8
				Double, Clear	NW	2.0	6.0	30.0	25.97	0.87	681.1
				Double, Clear	NE	2.0	6.0	74.0	29.56	0.86	1888.1
				As-Built Total:			215.0			6284.3	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	220.0	0.70	154.0	Concrete, Int Insul, Exterior	5.0			2050.0	1.00	2050.0	
Exterior	2050.0	1.70	3485.0	Frame, Wood, Adjacent	13.0			220.0	0.60	132.0	
Base Total:	2270.0		3639.0	As-Built Total:			2270.0			2182.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	20.0	2.40	48.0	Exterior Insulated				88.0	4.10	360.8	
Exterior	88.0	6.10	536.8	Adjacent Insulated				20.0	1.60	32.0	
Base Total:	108.0		584.8	As-Built Total:			108.0			392.8	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1944.0	1.73	3363.1	Under Attic	30.0			1944.0	1.73 X 1.00	3363.1	
Base Total:	1944.0		3363.1	Under Attic	19.0			88.0	2.34 X 1.00	205.9	
				As-Built Total:			2032.0			3569.0	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	216.0(p)	-37.0	-7992.0	Slab-On-Grade Edge Insulation	4.0			216.0(p)	-36.70	-7927.2	
Raised	0.0	0.00	0.0								
Base Total:			-7992.0	As-Built Total:			216.0			-7927.2	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1944.0 10.21 19848.2				1944.0 10.21 19848.2							

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

**ESTIMATED ENERGY PERFORMANCE SCORE\* = 84.7**

**The higher the score, the more efficient the home.**

\*\*\*\*

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 33.6 kBtu/hr
3. Number of units, if multi-family	1		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> )	1944 ft <sup>2</sup>		
7. Glass type <sup>1</sup> and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 35.0 kBtu/hr
(or Single or Double DEFAULT) 7a. (Dble Default) 215.0 ft <sup>2</sup>			HSPF: 8.00
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 215.0 ft <sup>2</sup>		c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=4.0, 216.0(p) ft	a. Electric Resistance	Cap: 40.0 gallons
b. N/A		b. N/A	EF: 0.92
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Concrete, Int Insul, Exterior	R=5.0, 2050.0 ft <sup>2</sup>	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 220.0 ft <sup>2</sup>	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 1944.0 ft <sup>2</sup>	MZ-H-Multizone heating)	
b. Under Attic	R=19.0, 88.0 ft <sup>2</sup>		
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 228.0 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: \_\_\_\_\_



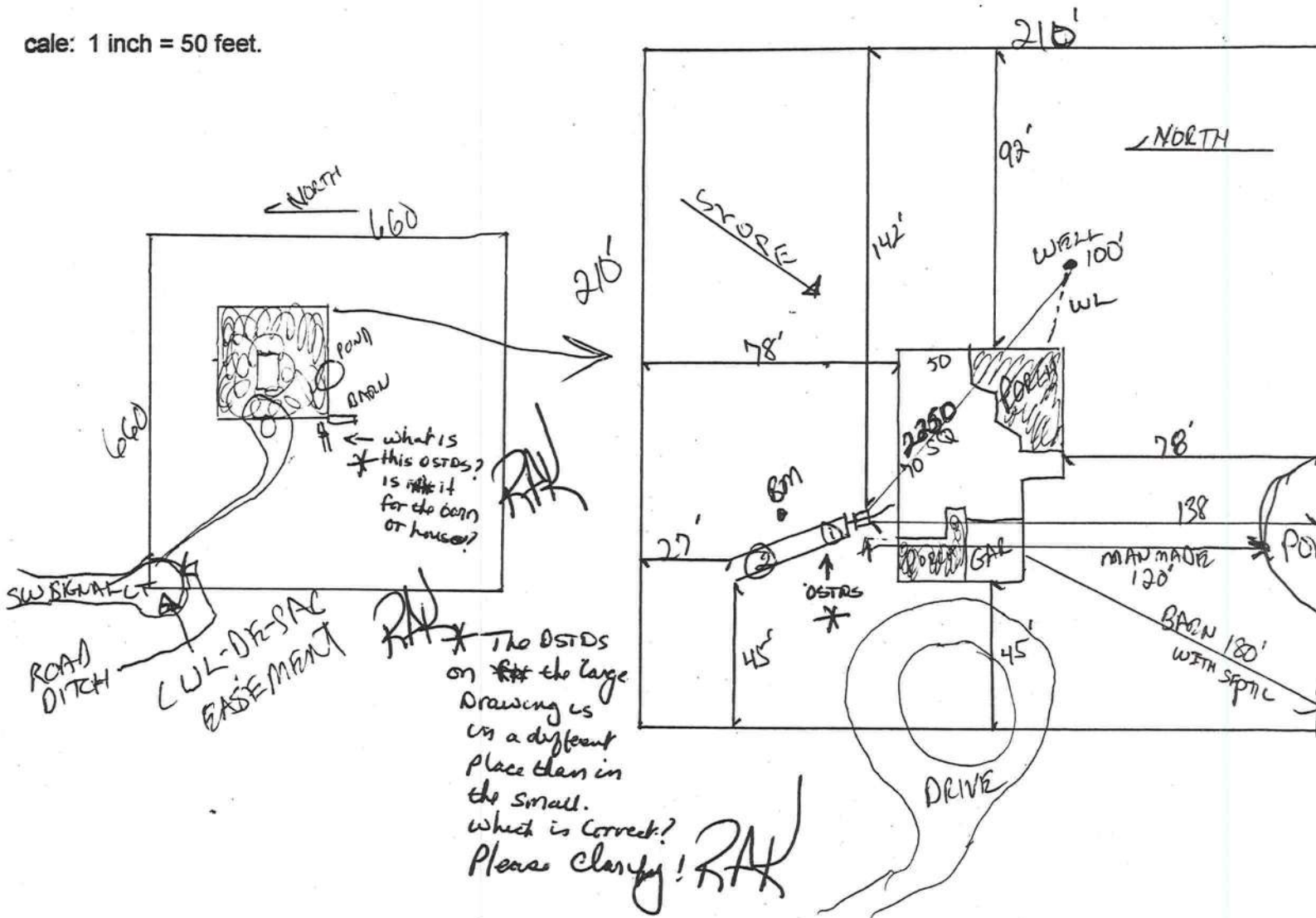
*\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar<sup>TM</sup> designation), your home may qualify for energy efficiency mortgage (EEM) 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.fsec.ucf.edu](http://www.fsec.ucf.edu) for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

<sup>1</sup> Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.  
EnergyGauge® (Version: FLRCSB v4.0)



Permit Application Number 05-0749N

scale: 1 inch = 50 feet.



Notes:

L of 10 ACRES

\* The larger drawing shows the OSTAS in a different place than the smaller one! Which is correct? Large drawing is approved.

ite Plan submitted by:

MASTER CONTRACTOR *K.A.*

lan Approved

Not Approved

Date \_\_\_\_\_

Reviewed by KTKassus 7/19/05 Columbia County Health Department

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT**

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

Reference to: Build permit application Number: 0506- 70 Robert Walker Owner Builder

On the date of June 22, 2005 application 0506-70 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 0506-70 when making reference to this application.**

OK 9-6  
**1. Please have Mr. James Blair A.I.A show on the plans the wind-load engineering summary to include the following requirements.**

OK 7-15  
**A. The plans must state compliance with the Florida Building Code 2001 sections 1606.**

OK 7-5  
**B. Basic wind speed (MPH)**

OK  
**C. Wind importance factor (I) and building category**

OK  
**D. Wind exposure**

OK  
**E. The applicable internal pressure coefficient**

OK  
**F. Components and cladding**



- OK 2. Show on the plans a summary of the square footage of the dwelling. Include the condition heated and cooled square footage, the total of all covered porches or patios, the garage area square footage and the total square footage of the dwelling under roof.
- OK 3. On the elevation drawing, show the total height (To the peak of the roof) of the dwelling.
- OK 4. Please have Mr. James Blair A.I.A show on the plans the shear wall.
- OK 10-13 5. Submit Approval of products by The Florida Building Commission for use of materials in the shear walls of the structure for the following categories of products: (1) Exterior Doors (include garage doors); (2) Roofing Products; (3) Skylights; (4) Windows; (5) Structural components
6. Show on the plans the type of fireplace that will be installed in the dwelling. (Gas appliance) (Vented or non-vented) or wood burning with hearth. (If the fireplace will be wood burning show the supporting foundation)

OK 7. In bedroom number two show emergency egress compliance  
as required in sections 1005.4 of the Florida Building Code.

OK 11-28-05 submitted

TALK TO  
Mr. Walker 10-19-05  
8. Please have the truss company submit two truss plans signed  
and seal by a Fl. Pro. Eng.

OK 9. Along with a truss layout for dwelling showing all interior load  
bearing wall and their foundation.

OK 10. Show the total required smoke detectors for each bedroom,  
also show that all bedroom receptacles will be on arch-fault  
circuits.

OK 11. Please submit a Florida Energy Efficiency Code for Building  
Construction form along with a manual J equipment sizing of the  
dwelling.

Thank you,



Joe Haltiwanger

Plan Examiner

Columbia County Building & Zoning

Department



# Duct System Summary

## Entire House

### Bounds Heating & Air

Job:  
Date: 11/29/05  
By: RG

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1809

## Project Information

For: Walker Residence

	Heating	Cooling
External static pressure	1.00 in H2O	1.00 in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.48 / 0.22 in H2O	0.48 / 0.22 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1120 cfm	1120 cfm
Total effective length (TEL)	435 ft	

## Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	Rect Size (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Master Bedroom	h 4823	169	122	0.100	8	16x4	VIFx	55.0	220.0	st1
WIC	h 1061	37	17	0.100	5	16x1	VIFx	40.0	240.0	st1
Master Bath	h 1723	60	48	0.100	6	16x2	VIFx	33.5	265.0	st1
Bath	c 109	2	6	0.100	4	16x0	VIFx	30.0	255.0	st1
Foyer	h 1220	43	36	0.100	5	16x1	VIFx	19.0	265.0	st1
Study	h 2050	72	36	0.100	6	16x2	VIFx	10.0	265.0	st1
Laundry	c 2416	83	131	0.100	7	16x3	VIFx	16.0	265.0	st1
Dining Room	c 3685	185	200	0.100	9	16x5	VIFx	30.0	265.0	st1
Living Room	h 3719	130	89	0.100	7	16x3	VIFx	40.0	220.0	st1
Hall	c 328	7	18	0.100	4	16x0	VIFx	24.0	245.0	st1
Kitchen	c 3477	144	189	0.100	8	16x4	VIFx	36.0	230.0	st1
Bedroom 2-A	c 2094	93	114	0.100	7	16x3	VIFx	34.0	205.0	Bedro
Bedroom 2	c 2094	93	114	0.100	7	16x3	VIFx	18.0	120.0	st1

## Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
st1	Peak AVF	1027	1006	0.100	770	15	16 x 12	RectFbg	
Bedro	Peak AVF	93	114	0.100	256	8	16 x 4	RectFbg	

*Bold/italic values have been manually overridden*



wrightsoft Right-Suite Residential 5.9.35 RSR25683  
C:\Documents and Settings\Bryan Bounds\My Documents\Wrightsoft HVAC\Individual res\Walker Res..rrp

2005-Nov-29 14:47:08

Page 1



### Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	RectSize (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1120	1120	136.0	0.050	388	22	16x 26		VIFx	rt1

### Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	Rect Duct Size (in)	Duct Material	Trunk
rt1	Peak AVF	1120	1120	0.050	427	21	18 x 21	RectFbg	



**Short Form**  
**Entire House**  
**Bounds Heating & Air**

Job:  
Date: 11/29/05  
By: RG

P.O. BOX 1617, Newberry, FL 32669 Phone: (352)472-2761 Fax: (352) 472-1809

**Project Information**

For: Walker Residence

**Design Information**

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	31	93	Method	Tight
Inside db (°F)	68	75	Construction quality	0
Design TD (°F)	37	18	Fireplaces	
Daily range	-	M		
Inside humidity (%)	-	50		
Moisture difference (gr/lb)	-	50		

**HEATING EQUIPMENT**

Make Carrier  
Trade WeatherMate 38BYC  
Model 38BYC03633

Efficiency 8 HSPF  
Heating input 35000 Btuh @ 47°F  
Heating output 29 °F  
Temperature rise 1120 cfm  
Actual air flow 0.035 cfm/Btuh  
Air flow factor 1.00 in H2O  
Static pressure  
Space thermostat

**COOLING EQUIPMENT**

Make Carrier  
Trade WeatherMate 38BYC  
Cond 38BYC03633  
Coil 40FKA/FK4CNF003

Efficiency 13 SEER  
Sensible cooling 23520 Btuh  
Latent cooling 10080 Btuh  
Total cooling 33600 Btuh  
Actual air flow 1120 cfm  
Air flow factor 0.054 cfm/Btuh  
Static pressure 1.00 in H2O  
Load sensible heat ratio 0.83

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Master Bedroom	294	4823	2241	169	122
WIC	63	1061	310	37	17
Master Bath	161	1723	881	60	48
Bath	54	70	109	2	6
Foyer	91	1220	667	43	36
Study	154	2050	656	72	36
Laundry	60	2359	2416	83	131
Dining Room	228	5287	3685	185	200
Living Room	293	3719	1631	130	89
Hall	162	211	328	7	18
Kitchen	202	4121	3477	144	189
Bedroom 2	182	5321	4188	186	228

*Bold/italic values have been manually overridden*

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



**FACSIMILE COVER PAGE**

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**To :** Joe Haltiwanger  
**Sent :** 7/14/05 at 5:34:06 PM  
**Subject :** Application # 0506-70

---

**From :** James Blair  
**Pages :** 3 (including Cover)

Dear Mr. Haltiwanger:

Please see attached response to your June plan review comments. Thank you.

James A. Blair, AIA

**JAMES A. BLAIR, A.I.A., ARCHITECT, INC.**

Member of American Institute of Architects  
AR0006289

5326 Northwest 102<sup>nd</sup> Place  
Gainesville, Florida 32653-9703

Tel 386 462 2497

Fax 386 462 2411

Cell 352 339 3628

jblair35@cox.net

July 14, 2005

Mr. Joe Haltiwanger  
Plans Examiner  
Columbia County Building Department  
135 NE Hernando Avenue  
P.O. Box 1529  
Lake City, Florida 32056-1529

FAX 386 754 7088

Re: Robert Walker Residence- Building Permit Application  
# 0506-70

Dear Mr. Haltiwanger:

This is in response to your review comments and listed in the same order.

1.A. The drawings comply with the Florida Building Code. See FBC 1606.1.1(3) and Sheet 5, Note 1. I have used SSTD 10-99.

1.B. Basic Wind Speed is 110mph. See Sheet 5, Note 2; FBC 1606.1.6; and FBC Figure 1606

1.C. Wind Importance Factor is "1". See FBC Table 1606; category is "Enclosed"

1.D. Wind Exposure is "B". see FBC 1606.1.8(2)

1.E. Internal Pressure Coefficient: Not applicable; used SSTD-10; see Sheet 5.



- 1F. Components and Cladding: Not applicable; used SSTD-10; see Sheet 5
2. Air Conditioned Area: 1896 square feet  
Covered Porches: 0592  
Garage: 0434  
Total Roofed Area: 2922 square feet
3. The highest ridge is 27' - 5" above finish grade; see Sheet 1, North Elevation for typical heights.
4. Shear Walls: See Sheet 2 and Sheet 5, Note 1. Total length required is 29'. Total length provided is 167'.
5. Approval of Products: this information will be provided by the Owner/Builder.
6. Fireplace Type: this information will be provided by the Owner/Builder
7. Emergency Egress: A 26 window complies; per FBC 1005.4.4 the required net width is 20" and the required net height is 24". A 26 single hung will provide a net opening 34" wide by 33".
8. Trussed Rafters: will be provided by the Truss manufacturer. See Sheet 5, Note 2.
9. Truss Layout, Load Bearing Walls and Load Bearing Wall Foundations: See Sheet 2 and Sheet 5.
10. Smoke Detectors and Arch-Fault Circuits: per FBC 905.2.2: smoke detectors will be provided at the entrance corridor and in the living room next to the master bedroom. per FBC 2701.2 and NFPA 70, all 125v circuitry will have arch-fault protection.
11. Florida Model Energy Code and Manual "J": this will be provided by the air conditioning subcontractor.

Sincerely,

James A. Blair, AIA

xc: Robert Walker

**JAMES A. BLAIR, A.I.A., ARCHITECT, INC.**

Member of American Institute of Architects  
AR0006289

5326 Northwest 102<sup>nd</sup> Place  
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Tel 386 462 2497

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July 14, 2005

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1.C. Wind Importance Factor is "1". See FBC Table 1606; category is "Enclosed"

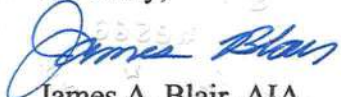
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Sincerely,

  
James A. Blair, AIA

xc: Robert Walker

## COLUMBIA COUNTY BUILDING DEPARTMENT

### RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

#### APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

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

Applicant

Plans Examiner

☒

☒

All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.

☒

☒

Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.

☒

☒

#### Site Plan including:

- a) Dimensions of lot
- b) Dimensions of building set backs
- c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
- d) Provide a full legal description of property.

☒

☒

#### Wind-load Engineering Summary, calculations and any details required

- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC
  - a. Basic wind speed (MPH)
  - b. Wind importance factor (I) and building category
  - c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
  - d. The applicable internal pressure coefficient
  - e. Components and Cladding. The design wind pressure in terms of psf (kN/m<sup>2</sup>), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

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#### Elevations including:

- a) All sides
- b) Roof pitch 5/12
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys *see sheet 4*
- e) Location and size of skylights
- f) Building height
- g) Number of stories

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*See NOTE 1*

*see NOTE 3*



**Floor Plan including:**

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) *see NOTE 7 For BR #2*
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

**Foundation Plan including:**

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

**Roof System:**

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

**Wall Sections including:**

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

**b) Wood frame wall**

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

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

**Floor Framing System:**

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

**Plumbing Fixture layout**

**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

**HVAC information**

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

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

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

**Disclosure Statement for Owner Builders**

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

**Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used



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

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.  
(386) 758-1058 ( Toilet facilities shall be provided for construction workers )
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**  
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

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



# **NOTICE:**

## **ADDRESSES BY APPOINTMENT ONLY!**

**TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:**

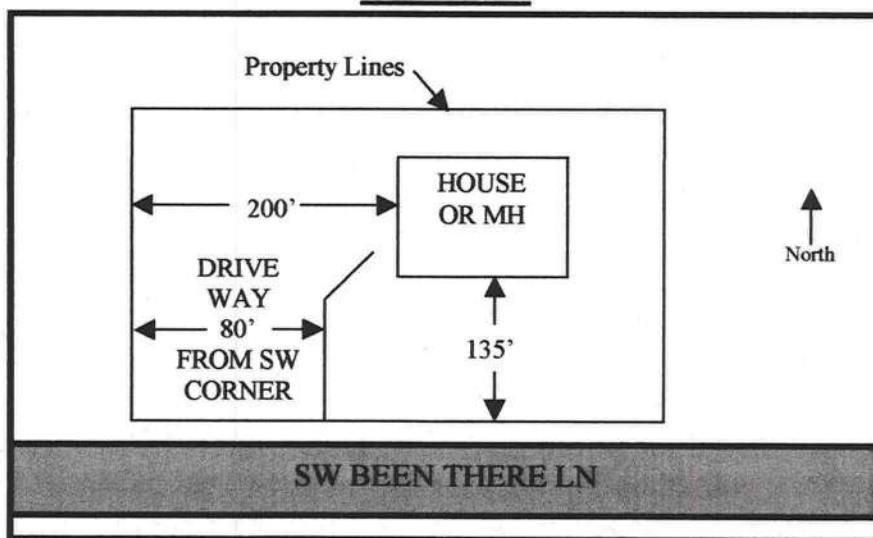
## **YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!**

**THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).**

### **THE REQUESTER WILL NEED THE FOLLOWING:**

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
  - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
  - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
  - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### **SAMPLE:**



**NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.**



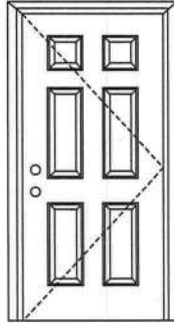
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Opaque Inswing Unit

COP-WL-MA0106-02

## 8'0" FIBERGLASS DOORS

### APPROVED ARRANGEMENT:



**Note:**

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



Test Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Test Report Validation Matrix #3026447A-001, 002, 003; #3026447B-001, 002, 003; #3026447C-001, 002, 003 provides additional information - available from the ITS/WH website (www.itswh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door  
Maximum unit size = 3'0" x 8'0"

**Design Pressure**  
**+70.0/-70.0**

limited water unless special threshold design is used.

**Large Missile Impact Resistance**

**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0001-02.

### MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

### APPROVED DOOR STYLES:



Flush



6-panel

1

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WOOD-GRAINED & TEXTURED  
FIBERGLASS ENTRY DOORS

June 17, 2002  
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Non-Textured Fiberglass Entry Doors



Exclusively from  
**Masonite®**  
Masonite International Corporation

## 8'0" FIBERGLASS DOORS

### CERTIFIED TEST REPORTS:

CTLA-772W

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core.

Frame constructed of wood with an extruded aluminum threshold.

### PRODUCT COMPLIANCE LABELING:

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

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



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



Test Data Review Certificate #3026447A;  
#3026447B; #3026447C and COP/Test  
Report Validation Matrix #3026447A-  
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2

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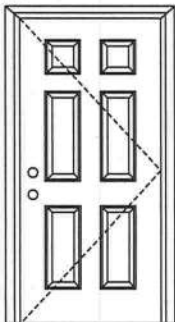
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Opaque Inswing Unit

COP-WL-MA0106-02

## 8'0" FIBERGLASS DOORS

### APPROVED ARRANGEMENT:



**Note:**  
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Masonite technical center.

Single Door  
Maximum unit size = 3'0" x 8'0"

#### Design Pressure

**+70.0/-70.0**

limited water unless special threshold design is used.

#### Large Missile Impact Resistance

**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### MINIMUM ASSEMBLY DETAIL:

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### MINIMUM INSTALLATION DETAIL:

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### APPROVED DOOR STYLES:



Flush



6-panel

1

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*Kurt L Balthaz*

State of Florida, Professional Engineer  
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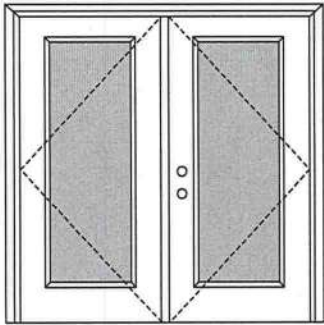
**PREMDOR** Collection  
Premium Quality Doors

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Masonite International Corporation



8'0" FIBERGLASS DOORS

APPROVED ARRANGEMENT:



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

Double Door  
Maximum unit size = 6'0" x 8'0"

**Design Pressure**  
**+47.0/-47.0**  
Limited water unless special threshold design is used.

**Large Missile Impact Resistance**  
**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national,  
state or local building codes specify the edition required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and  
MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

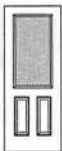
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:  
1/4 GLASS:



822 Series

1/2 GLASS:



404 Series



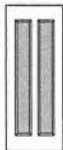
108 Series

8'0" FIBERGLASS DOORS

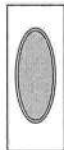
APPROVED DOOR STYLES:  
FULL GLASS:



810 Series



852 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W

Certifying Engineer and License Number: Ramesh Patel, P.E./20224

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 0.075" minimum thick fiberglass skins. Both stiles constructed of 1-5/8" laminated lumber. Top end rails constructed of 31/32" wood. Bottom end rails constructed of 31/32" wood composite. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum threshold.

PRODUCT COMPLIANCE LABELING:

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ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

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*Kurt L Balthaz*

State of Florida, Professional Engineer  
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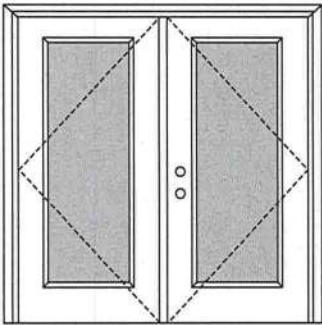


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8'0" FIBERGLASS DOORS

APPROVED ARRANGEMENT:



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MINIMUM INSTALLATION DETAIL:

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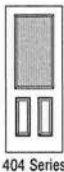
APPROVED DOOR STYLES:

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822 Series

1/2 GLASS:



404 Series



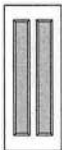
108 Series

8'0" FIBERGLASS DOORS

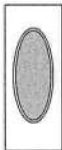
APPROVED DOOR STYLES:  
FULL GLASS:



810 Series



852 Series



300 Series

CERTIFIED TEST REPORTS:

CTLA-805W  
Certifying Engineer and License Number: Ramesh Patel, P.E./20224  
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ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

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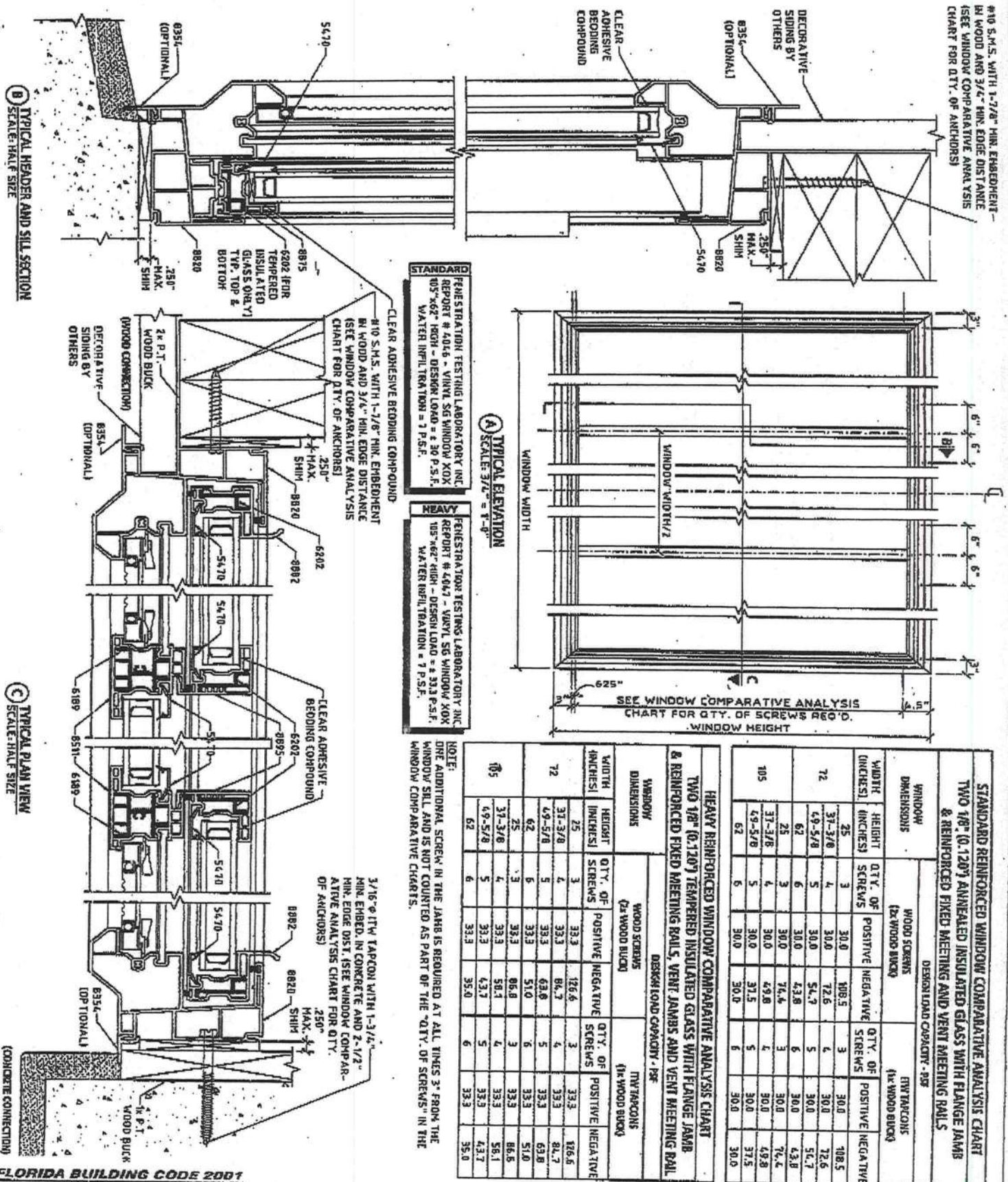






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FLORIDA BUILDING CODE 2001

**FLORIDA BUILDING CODE 2001**

03-397

SHEET 2 OF 2

**XOX SLIDER WINDOW**

2400 Irvin Cobb Dr.  
Paducah, KY 42003

**Knezevich & Associates, Inc.**

Consulting Engineers • Product Testing

330 N. Andrews Ave., Suite 430 • Ft. Lauderdale, FL 33301  
Tel. (954) 522-3690 • Fax (954) 522-3691 • COA # 3205  
Website: www.knezevich.com • Email: K&A@knezevich.com  
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**K&A**

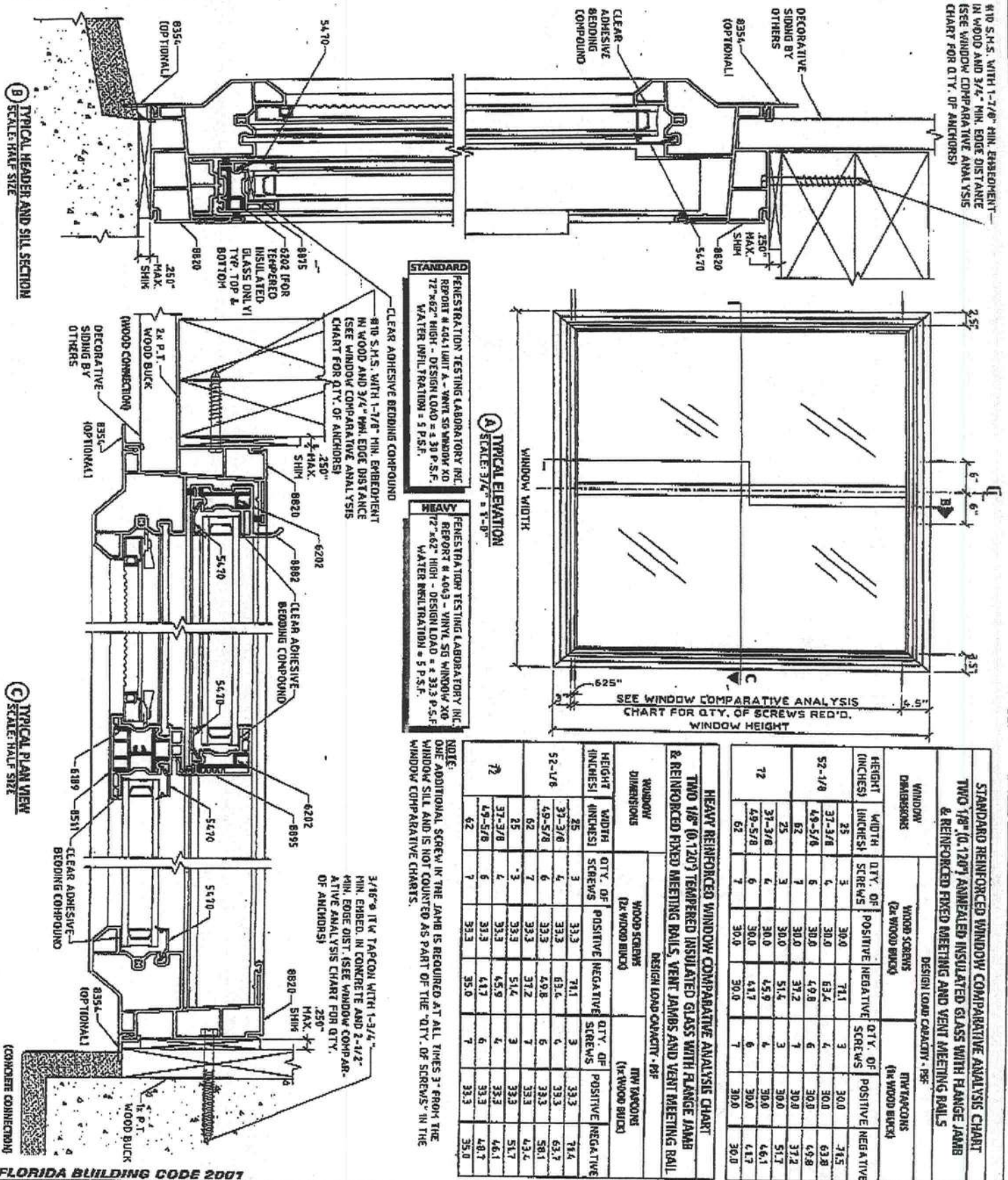






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02/06/04 13:56



**FLORIDA BUILDING CODE 2001**

03-395

Sheet 2 of 2

**SINGLE SLIDER WINDOW**

2400 Irvin Cobb Dr.  
Puduch, KY 42003

**Knezevich & Associates, Inc.**  
 Consulting Engineers & Product Testing  
 330 N. Andrews Ave., Suite 430 • Ft. Lauderdale, FL 33301  
 Tel. (954) 522-5690 • Fax (954) 522-3651 • COA # 3203  
 Website: www.knezevich.com • E-mail: KAP@knezevich.com  
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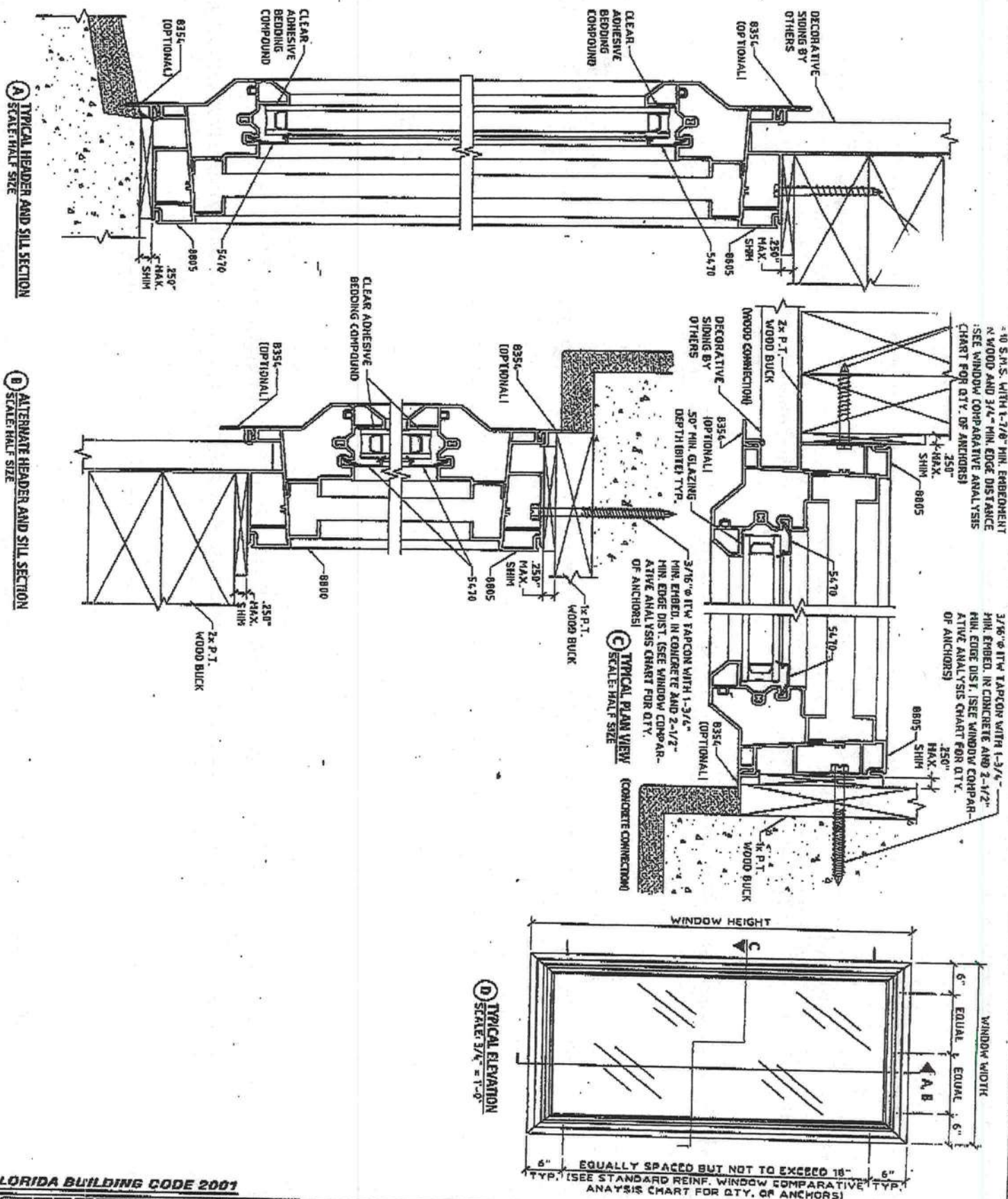






Print Information: \\Hurricane\ko\CADD\Cadd05\WinTech\03-394\01-sub\03-394-02.dwg MCantu 02/06/2004 11:31:46am

02/06/04 11:31



FLORIDA BUILDING CODE 2001

DATE	BY	DESCRIPTION
02/06/04	MCantu	03-394-02.dwg
03-394	MCantu	03-394-02.dwg

V. Knezevich  
Principal Engineer  
Knezevich & Associates, Inc.

**PICTURE WINDOW**  
2400 Irvin Cobb Dr.  
Paducah, KY 42003

**Knezevich & Associates, Inc.**  
Consulting Engineers • Product Testing  
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301  
Tel. (954) 522-3800 • Fax (954) 522-5891 • COA # 3205  
Website: www.knezevich.com • E-mail: ka@knezevich.com  
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## 1. DESCRIPTION OF PRODUCT

## 1.1 UNIT TYPE

- ## 2. МАТЕМАТИЧЕСКАЯ МОДЕЛЬ

## 22 GUYZING;

- U.S. DEPARTMENT OF COMMERCE  
BUREAU OF ECONOMIC ANALYSIS  
WASHINGTON, D.C. 20540

## 2.3 PROOF OF

- A 9.4 mm (3.7 in)

## 24 VENT CON

- 2.4.3 50778

## 2.54

- 2.6.4

100

### 2.5.2

- 2.5.3

Figure 1

## BILL OF MATERIALS

[illegible]

**GENERAL NOTES**

- [illegible]





**V. J. Knežević**  
Production Engineer  
Aukover Inc., Princeton, NJ



2400 Irvin Cobb Dr  
Paducah, KY 43003

**Knezevich & Associates, Inc.**  
Consulting Engineers • Product Testing  
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Website: [www.Knezevich.com](http://www.Knezevich.com) • E-mail: [K&A@Knezevich.com](mailto:K&A@Knezevich.com)  
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K 2

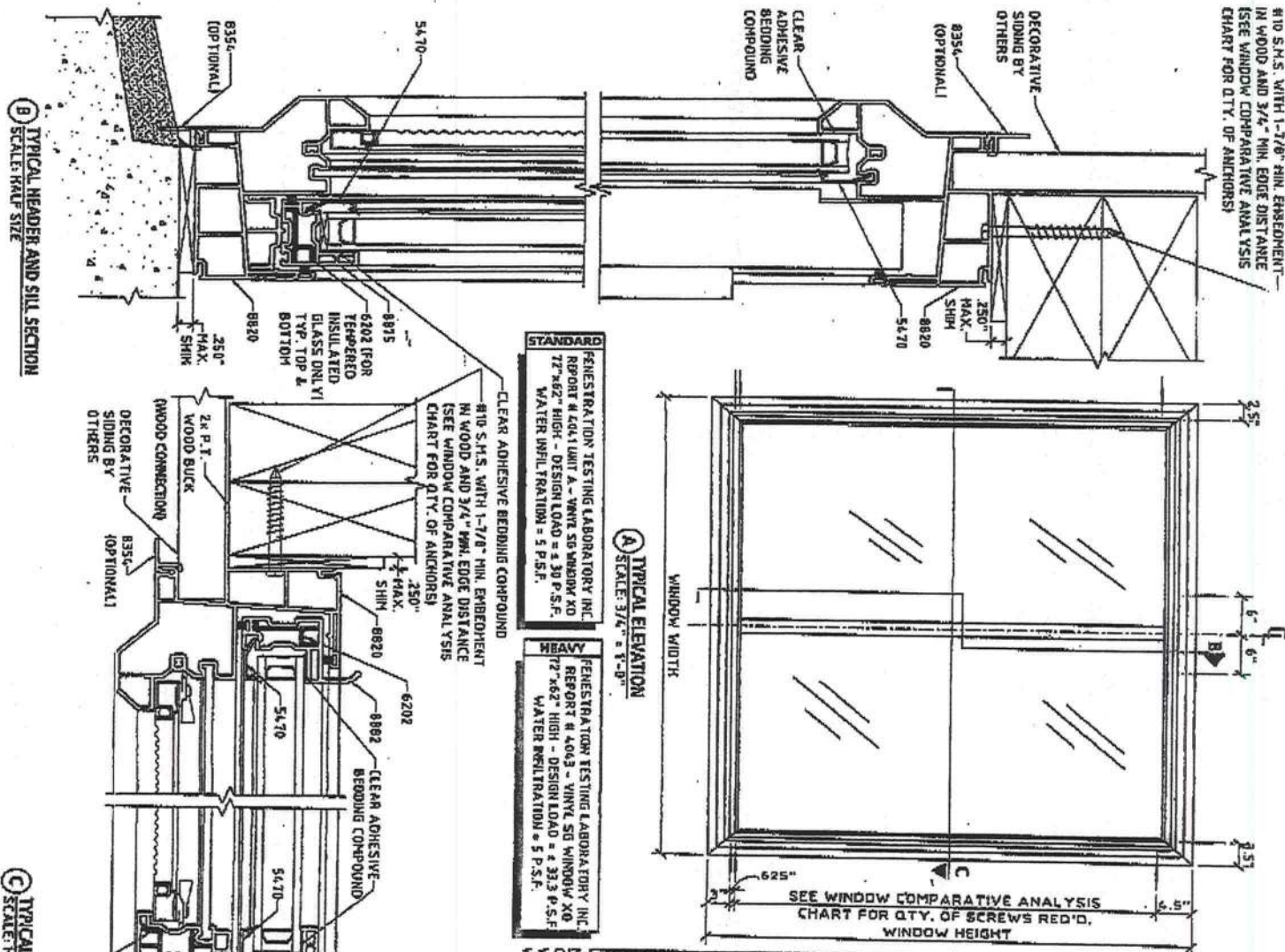






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02/08/04 13:56



TYPICAL ELEVATION  
SCALE: 3/4" = 1'-0"

TYPICAL HEADER AND SILL SECTION  
SCALE: HALF SIZE

TYPICAL PLAN VIEW  
SCALE: HALF SIZE

FLORIDA BUILDING CODE 2001

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/08/2004	MCantu	ISSUED FOR PERMIT

Scale	0 1/2" = 1'-0"
Drawn by	MCantu
Checked by	MCantu
Project No.	03-395
Sheet	2 of 2

V.I. Knezevich  
Consulting Engineers & Product Testing  
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301  
Tel: (954) 322-3690 • Fax: (954) 322-3691 • COA # 1205  
Website: www.knezevich.com • E-Mail: Knezevich@knezevich.com  
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**SINGLE SLIDER WINDOW**  
2400 Irwin Cobb Dr.  
Puduch, KY 42003

**Knezevich & Associates, Inc.**  
Consulting Engineers • Product Testing  
330 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301  
Tel: (954) 322-3690 • Fax: (954) 322-3691 • COA # 1205  
Website: www.knezevich.com • E-Mail: Knezevich@knezevich.com  
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## 1. DESCRIPTION OF PRODUCT

- [illegible]

1000

BILL OF MATERIALS					
ASSY NAME	DESCRIPTION	WIDTH (IN.)	HEIGHT (IN.)	QUANTITY	DESCRIPTION
STANDARD SIZE #1, #2 & #3		7.5	4.4		
FRAME		7.5	4.4		
SLIT	SLIT GUIDE BEAM		71.5	2	BEAM HOLE
SLIT	SLIT GUIDE BEAM	10.375		2	BEAM HOLE
BEAM	BEAM BEARING SURF		44	2	BEAM HOLE
BEAM	BEAM BEARING SURF	7.5		2	BEAM HOLE
11/16" ID BOLT	FRAME CLAMP	10.315	19.315		SLIT ARMORED STEELING BOLT 1
		3/16" ID (3/16" DIA. BOLT)			
		IMPROVED STEEL			
		10.315	19.315		
		3/16" ID (3/16" DIA. BOLT)			
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02/08/04 11:31



**V.J. Knezevich**  
Professor of Hygiene  
H. Lescage Bldg. PH 001194



2400 Irwin Cobb Dr.  
Paducah, KY 42003

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Website: [www.knezevich.com](http://www.knezevich.com) • E-mail: [K&A@knezevich.com](mailto:K&A@knezevich.com)  
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k-



Print Information: \\hurricane\ko\CADD\Cadd03\WinTech\03-394\01-sub\03-394-03.dwg MContu 02/08/2004 11:43:14am

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PENESTRATION TESTING LABORATORY INC.  
REPORT # 4040 - VINYL PW WINDOW  
74"x83" HIGH - DESIGN LOAD = 2.45 P.S.F.  
WATER INFILTRATION = 11 P.S.F.

STANDARD REINFORCED WINDOW COMPARATIVE ANALYSIS CHART									
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF				PW TYPICONS			
WIDTH (INCHES)	HEIGHT (INCHES)	WOOD SCREWS (1x WOOD BLOCK)		D.T.Y. OF SCREWS	NEGATIVE	PW TYPICONS (1x WOOD BLOCK)		D.T.Y. OF SCREWS	NEGATIVE
		POSITIVE	NEGATIVE			POSITIVE	NEGATIVE		
24	18	45.00	222.18	3	45.00	223.25			
	24	45.00	166.64	3	45.00	167.44			
	36	45.00	148.12	5	45.00	186.04			
	48	45.00	138.86	6	45.00	167.44			
	60	45.00	133.31	7	45.00	156.27			
	72	45.00	128.61	9	45.00	167.44			
36	18	45.00	142.83	10	45.00	159.46			
	24	45.00	118.12	3	45.00	148.83			
	36	45.00	96.15	5	45.00	124.03			
	48	45.00	92.58	6	45.00	114.62			
	60	45.00	88.87	7	45.00	104.18			
	72	45.00	85.40	9	45.00	111.62			
48	18	45.00	95.22	10	45.00	106.37			
	24	45.00	118.09	3	45.00	111.62			
	36	45.00	83.32	3	45.00	83.72			
	48	45.00	74.06	5	45.00	93.02			
	60	45.00	69.43	6	45.00	83.72			
	72	45.00	64.81	7	45.00	78.14			
60	18	45.00	64.81	9	45.00	83.72			
	24	45.00	88.87	3	45.00	79.73			
	36	45.00	66.66	3	45.00	66.97			
	48	45.00	58.25	5	45.00	74.42			
	60	45.00	55.55	6	45.00	63.50			
	72	45.00	43.00	7	45.00	53.00			
72	18	45.00	33.00	9	45.00	33.90			
	24	45.00	26.00	10	45.00	26.00			
	36	45.00	55.55	3	45.00	74.42			
	48	45.00	61.72	5	45.00	62.01			
	60	45.00	55.55	6	45.00	55.81			
	72	45.00	41.50	7	45.00	44.50			
75	72	45.00	33.50	9	45.00	33.50			
	84	45.00	26.60	10	45.00	26.60			
75	84	45.00	26.10	10	45.00	26.10			

PENESTRATION TESTING LABORATORY INC.  
REPORT # 4040 - VINYL PW WINDOW  
74"x83" HIGH - DESIGN LOAD = 2.45 P.S.F.  
WATER INFILTRATION = 11 P.S.F.

HEAVY REINFORCED WINDOW COMPARATIVE ANALYSIS CHART									
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF				PW TYPICONS			
WIDTH (INCHES)	HEIGHT (INCHES)	WOOD SCREWS (1x WOOD BLOCK)		D.T.Y. OF SCREWS	NEGATIVE	PW TYPICONS (1x WOOD BLOCK)		D.T.Y. OF SCREWS	NEGATIVE
		POSITIVE	NEGATIVE			POSITIVE	NEGATIVE		
24	18	45.00	222.18	3	45.00	223.28			
	24	45.00	166.64	3	45.00	167.44			
	36	45.00	148.12	5	45.00	186.04			
	48	45.00	138.86	6	45.00	167.44			
	60	45.00	133.31	7	45.00	156.27			
	72	45.00	128.61	9	45.00	167.44			
36	18	45.00	142.83	10	45.00	159.46			
	24	45.00	118.12	3	45.00	148.83			
	36	45.00	96.15	5	45.00	124.03			
	48	45.00	92.58	6	45.00	114.62			
	60	45.00	88.87	7	45.00	104.18			
	72	45.00	85.40	9	45.00	111.62			
48	18	45.00	95.22	10	45.00	106.37			
	24	45.00	118.09	3	45.00	111.62			
	36	45.00	83.32	3	45.00	83.72			
	48	45.00	74.06	5	45.00	93.02			
	60	45.00	69.43	6	45.00	83.72			
	72	45.00	64.81	7	45.00	78.14			
60	18	45.00	64.81	9	45.00	83.72			
	24	45.00	88.87	3	45.00	79.73			
	36	45.00	66.66	3	45.00	66.97			
	48	45.00	58.25	5	45.00	74.42			
	60	45.00	55.55	6	45.00	63.50			
	72	45.00	43.00	7	45.00	53.00			
72	18	45.00	33.00	9	45.00	33.90			
	24	45.00	26.00	10	45.00	26.00			
	36	45.00	55.55	3	45.00	74.42			
	48	45.00	61.72	5	45.00	62.01			
	60	45.00	55.55	6	45.00	55.81			
	72	45.00	41.50	7	45.00	44.50			
75	72	45.00	33.50	9	45.00	33.50			
	84	45.00	26.60	10	45.00	26.60			
75	84	45.00	26.10	10	45.00	26.10			

FLORIDA BUILDING CODE 2001

PROJECT NO.	03-394
DATE	02/08/2004
DESIGNED BY	W. J. Knezevich
CHECKED BY	W. J. Knezevich
IN CHARGE	W. J. Knezevich
SCALE	AS SHOWN
SHEET NO.	03-394
TOTAL SHEETS	3

W. J. Knezevich  
Professional Engineer  
No. 10000  
FL. License No. 10000111

**PICTURE WINDOW**

2400 Irvin Cobb Dr.  
Pensacola, KY 42003

**Knezevich & Associates, Inc.**  
Consulting Engineers & Product Testing

320 N. Andrews Ave., Suite 450 • Ft. Lauderdale, FL 33301  
Tel. (954) 523-3690 • Fax (954) 522-3691 • COA # 3205  
Website: www.knezevich.com • E-mail: K&A@knezevich.com

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RE: WALG - WALKER RES

MiTek Industries, Inc.

1801 Massaro Blvd.  
Tampa, FL 33619  
Phone: 813/675-1200  
Fax: 813/675-1148

Site Information:

Project Customer:      Project Name:  
Lot/Block:                      Subdivision:  
Address:  
City:                              State:

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

Name:                              License #:  
Address:  
City:                              State:

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

Design Code: FBC2004/TPI2002      Design Program: MiTek 20/20 6.2  
Wind Code: ASCE 7-98 Wind Speed: 110 mph      Design Method: Main Wind Force Resisting System ASCE 7-98  
Roof Load: 40.0 psf      Floor Load: N/A psf

This package includes 52 individual, dated Truss Design Drawings and 0 Additional Drawings.  
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Job ID#	Truss Name	Date	No.	Seal#	Job ID#	Truss Name	Date
1	T1874995	WALG	2X12	11/22/05	18	T1875012	WALG	A6	11/22/05
2	T1874996	WALG	A1	11/22/05	19	T1875013	WALG	A7	11/22/05
3	T1874997	WALG	A10	11/22/05	20	T1875014	WALG	A8	11/22/05
4	T1874998	WALG	A11	11/22/05	21	T1875015	WALG	A9	11/22/05
5	T1874999	WALG	A12	11/22/05	22	T1875016	WALG	B1	11/22/05
6	T1875000	WALG	A13	11/22/05	23	T1875017	WALG	B2	11/22/05
7	T1875001	WALG	A14	11/22/05	24	T1875018	WALG	B3	11/22/05
8	T1875002	WALG	A15	11/22/05	25	T1875019	WALG	B4	11/22/05
9	T1875003	WALG	A16	11/22/05	26	T1875020	WALG	C1	11/22/05
10	T1875004	WALG	A17	11/22/05	27	T1875021	WALG	C2	11/22/05
11	T1875005	WALG	A18	11/22/05	28	T1875022	WALG	C3	11/22/05
12	T1875006	WALG	A19	11/22/05	29	T1875023	WALG	C4	11/22/05
13	T1875007	WALG	A2	11/22/05	30	T1875024	WALG	C5	11/22/05
14	T1875008	WALG	A20	11/22/05	31	T1875025	WALG	CGT	11/22/05
15	T1875009	WALG	A3	11/22/05	32	T1875026	WALG	CJ01	11/22/05
16	T1875010	WALG	A4	11/22/05	33	T1875027	WALG	CJ02	11/22/05
17	T1875011	WALG	A5	11/22/05	34	T1875028	WALG	D1	11/22/05

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Santa Fe Truss.

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

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

November 22, 2005



RE: WALG - WALKER RES

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

**Site Information:**

Project Customer:      Project Name:  
Lot/Block:                      Subdivision:  
Address:  
City:                              State:

No.	Seal#	Job ID#	Truss Name	Date
35	T1875029	WALG	D2	11/22/05
36	T1875030	WALG	D3	11/22/05
37	T1875031	WALG	D4	11/22/05
38	T1875032	WALG	E	11/22/05
39	T1875033	WALG	EET	11/22/05
40	T1875034	WALG	EJ2	11/22/05
41	T1875035	WALG	EJ2A	11/22/05
42	T1875036	WALG	EJ3	11/22/05
43	T1875037	WALG	EJ4	11/22/05
44	T1875038	WALG	EJ4GT	11/22/05
45	T1875039	WALG	EJ5	11/22/05
46	T1875040	WALG	EJ5GT	11/22/05
47	T1875041	WALG	EJ6	11/22/05
48	T1875042	WALG	EJ6GT1	11/22/05
49	T1875043	WALG	EJ6GT2	11/22/05
50	T1875044	WALG	EJ7	11/22/05
51	T1875045	WALG	J3	11/22/05
52	T1875046	WALG	J5	11/22/05