Columbia County Building Permit Application

Left message 5/26/06 G

Revised 9-23

For Office Use Only Application # 0605-76 Date Received 5-19-06 By LH Permit # 25492

Application Approved by - Zoning Official BLK Date 26.05.06 Plans Examiner OK JTH Date 5-25-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Need: NOC Existing Well

Applicants Name Mack Robinson Phone 386-755-2492

Address 24262 Hwy 129 OBrien Fl 32071

Owners Name Don Cox Phone

911 Address 2274 SW Dairy Lt Lc Fl 32024

Contractors Name Mack Robinson Phone 386 755 2492

Address 24262 US Hwy 129 OBrien Fl 32071

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Sim Debbene Mark Disowaay

Mortgage Lenders Name & Address First Federal Lake City

Circle the correct power company – FL Power & Light – Clay Elec. – Suwannee Valley Elec. – Progressive Ene

Property ID Number R03485-004 (4) 07-55-16 Estimated Cost of Construction $253,000

Subdivision Name NH 03485-004 Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Go south on 475 TR ON 240 TR on Mauldin Rd go 3 to 4 mi turn left at job sign house in field in front of Metal Bldng

Type of Construction new house SFD Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing D

Actual Distance of Structure from Property Lines - Front 390 Side 88 Side 88 Rear 354

Total Building Height 24 ft 6" Number of Stories 1 Heated Floor Area 2444 Roof Pitch 12/12

Porches 608 GARAGE 459 TOTAL 3511

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 all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Mack Robinson

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY PUBLIC STATE OF FLORIDA
BRENDA MEADS
COMMISSION # DD420250
EXPIRES JUL 30 2009
BONDED THROUGH
RLI INSURANCE COMPANY

Mack Robinson

Contractor Signature

Contractors License Number RB0054287

Competency Card Number ____

NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me this 19 day of May 2006.

Personally known Y or Produced Identification ____

Brenda Meads

Notary Signature

- CK# 8844

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

2006 Proposed Values

Parcel: 07-5S-16-03485-003 HX

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	BOYETTE GLENN H & DONNA D
Site Address	DAIRY
Mailing Address	2398 SW DAIRY ST LAKE CITY, FL 32024
Description	BEG NW COR OF NE1/4 OF NE1/4, RUN S 1382.61 FT, E 533.42 FT, N 219.76 FT, W 69.76 FT, N 1135.70 FT TO S R/W OF RD, W'LY ALONG R/W 467.64 FT TO POB. ORB 601-301, 607-199, 607-427, 709-29, 967-2116,

Use Desc. (code)	IMPROVED A (005000)
Neighborhood	7516.00
Tax District	3
UD Codes	MKTA02
Market Area	02
Total Land Area	15.010 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$11,898.00
Ag Land Value	cnt: (1)	$2,381.00
Building Value	cnt: (1)	$122,871.00
XFOB Value	cnt: (4)	$13,281.00
Total Appraised Value		$150,431.00

Just Value		$232,110.00
Class Value		$150,431.00
Assessed Value		$126,398.00
Exempt Value	(code: HX)	$25,000.00
Total Taxable Value		$101,398.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1990	Common BRK (19)	2920	3565	$122,871.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0180	FPLC 1STRY	0	$2,150.00	1.000	0 x 0 x 0	(.00)
0280	POOL R/CON	1996	$9,052.00	512.000	32 x 16 x 0	(.00)
0166	CONC,PAVMT	1996	$1,350.00	900.000	0 x 0 x 0	(.00)
0166	CONC,PAVMT	1993	$729.00	486.000	0 x 0 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/.90	$11,898.00	$11,898.00
006200	PASTURE 3 (AG)	14.010 AC	1.00/1.00/1.00/1.00	$170.00	$2,381.00
009910	MKT.VAL.AG (MKT)	14.010 AC	1.00/1.00/1.00/1.00	$0.00	$84,060.00

Columbia County Property Appraiser DB Last Updated: 5/5/2006

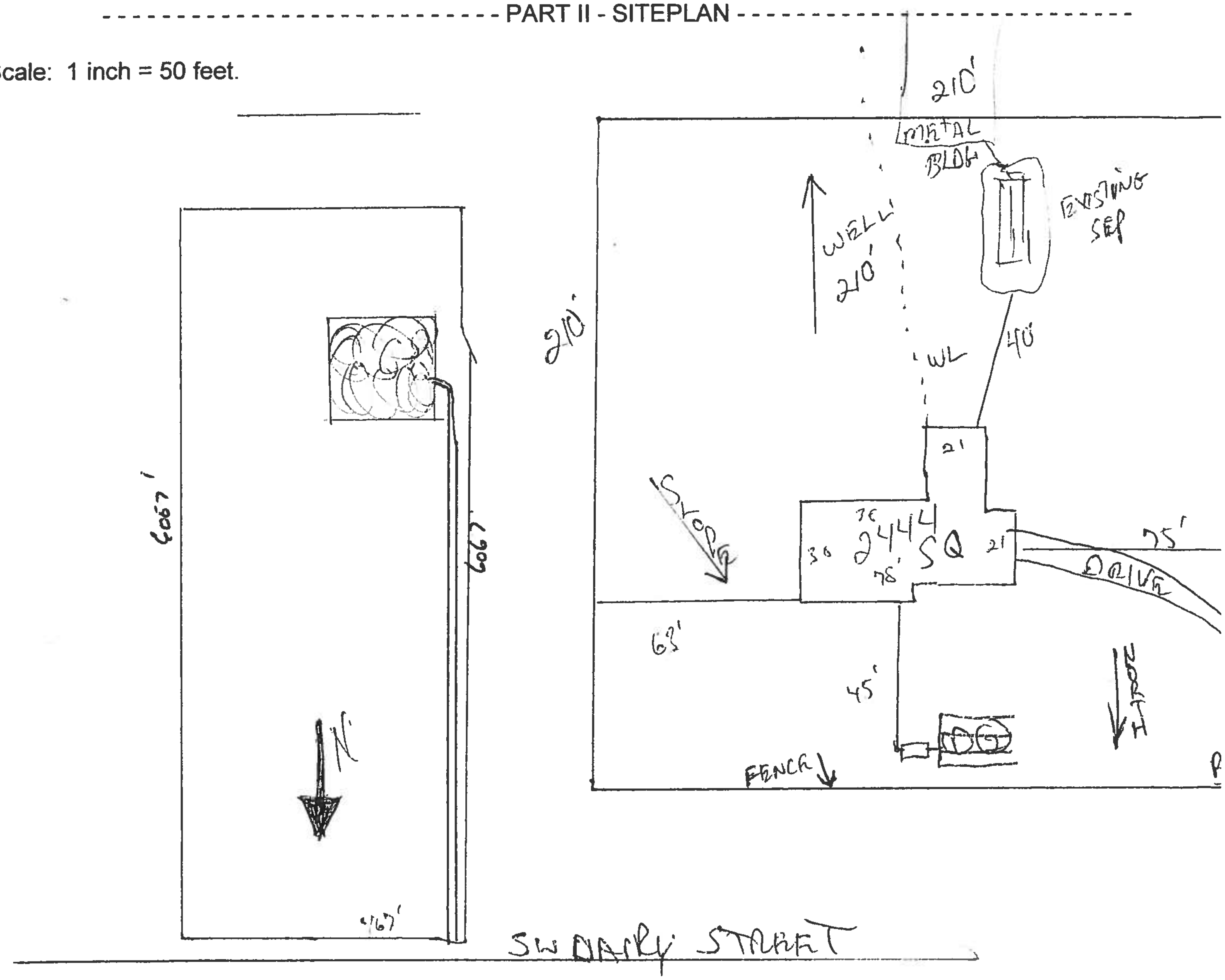
1 of 1

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0451N

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

Scale: 1 inch = 50 feet.



Notes: ____

____

____

Site Plan submitted by: [signature] MASTER CONTRACTOR

Plan Approved ✓ Not Approved_____ Date 5/8/06

By [signature] Columbia County Health Departme

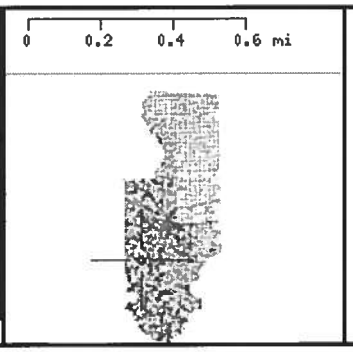
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Property Appraiser

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

PARCEL: 07-5S-16-03485-003 HX - IMPROVED A (005000)

Name:	BOYETTE GLENN H & DONNA D	LandVal	$11,898.00
Site:	DAIRY	BldgVal	$122,871.00
Mail:	2398 SW DAIRY ST LAKE CITY, FL 32024	ApprVal	$150,431.00
		JustVal	$232,110.00
Sales Info		Assd	$126,398.00
		Exmpt	$25,000.00
		Taxable	$101,398.00



This information, GIS Map Updated: 5/5/2006, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Mack Robinson - Don Cox Residence**	Builder:	**Mack Robinson Construct**
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	24592
Owner:	**Don Cox**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		2444 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	270.0 ft²	
b. Default tint	0.0 ft²	0.0 ft²	
c. Labeled U or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 241.0(p) ft	
b. N A			
c. N A			
9. Wall types			
a. Face Brick, Wood, Exterior		R=11.0, 1792.0 ft²	
b. N A			
c. N A			
d. N A			
e. N A			
10. Ceiling types			
a. Under Attic		R=19.0, 2544.0 ft²	
b. N A			
c. N A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 45.0 ft	
b. N A			

12. Cooling systems		
a. Central Unit	Cap: 55.5 kBtu hr	
	SEER: 13.00	
b. N A		
c. N A		
13. Heating systems		
a. Electric Heat Pump	Cap: 55.5 kBtu hr	
	HSPF: 8.50	
b. N A		
c. N A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.88	
b. N A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.11

Total as-built points: 29524
Total base points: 34467

PASS

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

PREPARED BY: M Hopkins

DATE: 5/10/04

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

FORM 600A-2001

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

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	50.0	0.88	3	1.00	2746.00	1.00	8238.0	
				As-Built Total:						**8238.0**	

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points		Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	
14024	**12205**	**8238**	**34467**		**9345**	**11942**	**8238**	**29524**	

PASS

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**19453.6**	**Winter As-Built Points:**						**23819.5**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
19453.6	**0.6274**	**12205.2**	23819.5 **23819.5**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.401 **0.401**	1.000 **1.000**	11941.5 **11941.5**

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	2444.0	12.74	5604.6	Double, Clear	E	8.0	6.0	60.0	18.79	1.36	1535.5
				Double, Clear	E	2.0	5.0	12.0	18.79	1.08	244.3
				Double, Clear	E	2.0	6.0	15.0	18.79	1.06	299.0
				Double, Clear	E	2.0	5.0	12.0	18.79	1.08	244.3
				Double, Clear	S	2.0	6.0	30.0	13.30	1.26	502.0
				Double, Clear	S	2.0	4.0	6.0	13.30	1.64	130.8
				Double, Clear	W	8.0	6.0	30.0	20.73	1.20	743.2
				Double, Clear	W	2.0	6.0	30.0	20.73	1.04	648.4
				Double, Clear	W	8.0	6.0	30.0	20.73	1.20	743.2
				Double, Clear	N	2.0	6.0	30.0	24.58	1.00	740.8
				Double, Clear	S	38.0	6.0	15.0	13.30	3.66	730.0
				As-Built Total:				**270.0**			**6561.7**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points	
Adjacent	0.0	0.00	0.0	Face Brick, Wood, Exterior			11.0	1792.0	3.50	6272.0	
Exterior	1792.0	3.70	6630.4								
Base Total:	**1792.0**		**6630.4**	**As-Built Total:**				**1792.0**		**6272.0**	
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =	Points	
Adjacent	0.0	0.00	0.0	Exterior Insulated				40.8	8.40	342.7	
Exterior	122.4	12.30	1505.5	Exterior Insulated				81.6	8.40	685.4	
Base Total:	**122.4**		**1505.5**	**As-Built Total:**				**122.4**		**1028.2**	
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =	Points	
Under Attic	2444.0	2.05	5010.2	Under Attic			19.0	2544.0	2.70 X 1.00	6868.8	
Base Total:	**2444.0**		**5010.2**	**As-Built Total:**				**2544.0**		**6868.8**	
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points	
Slab	241.0(p)	8.9	2144.9	Slab-On-Grade Edge Insulation			0.0	241.0(p	18.80	4530.8	
Raised	0.0	0.00	0.0								
Base Total:			**2144.9**	**As-Built Total:**				**241.0**		**4530.8**	
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =	Points	
	2444.0	-0.59	-1442.0					2444.0	-0.59	-1442.0	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT						
Summer Base Points:		**32873.4**	**Summer As-Built Points:**						**28470.3**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
32873.4	**0.4266**	**14023.8**	28470.3 **28470.3**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.263 **0.263**	1.000 **1.000**	9344.9 **9344.9**

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2444.0	20.04	8816.0	Double, Clear	E	8.0	6.0	60.0	42.06	0.45	1143.4
				Double, Clear	E	2.0	5.0	12.0	42.06	0.80	402.2
				Double, Clear	E	2.0	6.0	15.0	42.06	0.85	535.1
				Double, Clear	E	2.0	5.0	12.0	42.06	0.80	402.2
				Double, Clear	S	2.0	6.0	30.0	35.87	0.78	835.0
				Double, Clear	S	2.0	4.0	6.0	35.87	0.66	142.0
				Double, Clear	W	8.0	6.0	30.0	38.52	0.47	541.1
				Double, Clear	W	2.0	6.0	30.0	38.52	0.85	981.7
				Double, Clear	W	8.0	6.0	30.0	38.52	0.47	541.1
				Double, Clear	N	2.0	6.0	30.0	19.20	0.90	518.5
				Double, Clear	S	38.0	6.0	15.0	35.87	0.43	232.4
				As-Built Total:				**270.0**			**6274.6**

WALL TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Face Brick, Wood, Exterior	11.0	1792.0	0.40	716.8
Exterior	1792.0	1.70	3046.4					
Base Total:	**1792.0**		**3046.4**	**As-Built Total:**		**1792.0**		**716.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	Exterior Insulated	40.8	4.10	167.3
Exterior	122.4	6.10	746.6	Exterior Insulated	81.6	4.10	334.6
Base Total:	**122.4**		**746.6**	**As-Built Total:**	**122.4**		**501.8**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2444.0	1.73	4228.1	Under Attic	19.0	2544.0	2.34 X 1.00	5953.0
Base Total:	**2444.0**		**4228.1**	**As-Built Total:**		**2544.0**		**5953.0**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	241.0(p)	-37.0	-8917.0	Slab-On-Grade Edge Insulation	0.0	241.0(p	-41.20	-9929.2
Raised	0.0	0.00	0.0					
Base Total:			**-8917.0**	**As-Built Total:**		**241.0**		**-9929.2**

INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points
	2444.0	10.21	24953.2		2444.0	10.21	24953.2

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.6

The higher the score, the more efficient the home.

Don Cox, , , ,

1.	New construction or existing	New			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3			
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	2444 ft²			
7.	Glass area & type	Single Pane	Double Pane		
a.	Clear - single pane	0.0 ft²	270.0 ft²		
b.	Clear - double pane	0.0 ft²	0.0 ft²		
c.	Tint other SHGC - single pane	0.0 ft²	0.0 ft²		
d.	Tint other SHGC - double pane				
8.	Floor types				
a.	Slab-On-Grade Edge Insulation	R=0.0, 241.0(p) ft			
b.	N A				
c.	N A				
9.	Wall types				
a.	Face Brick, Wood, Exterior	R=11.0, 1792.0 ft²			
b.	N A				
c.	N A				
d.	N A				
e.	N A				
10.	Ceiling types				
a.	Under Attic	R=19.0, 2544.0 ft²			
b.	N A				
c.	N A				
11.	Ducts				
a.	Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 45.0 ft			
b.	N A				
12.	Cooling systems				
a.	Central Unit			Cap: 55.5 kBtu hr SEER: 13.00	
b.	N A				
c.	N A				
13.	Heating systems				
a.	Electric Heat Pump			Cap: 55.5 kBtu hr HSPF: 8.50	
b.	N A				
c.	N A				
14.	Hot water systems				
a.	Electric Resistance			Cap: 50.0 gallons EF: 0.88	
b.	N A				
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)				
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)				

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

Builder Signature: _____ Date: _____

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

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

Energy Gauge® (Version: FLRCPB v3.30)

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	Mack Robinson - Don Cox Resi	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	Don Cox	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	3	**Subdivision:**	N/A
Builder Name:	Mack Robinson Construction	**Conditioned Area:**	2444	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	(blank)
Permit Office:	(blank)	**Worst Case:**	No	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	(blank)	**City, St, Zip:**	, ,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	241.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	20.4 ft²	2
2	Insulated	Exterior	40.8 ft²	2

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	19.0	2544.0 ft²	2444.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit	SEER: 13.00	55.5 kBtu/hr

Credit Multipliers: None

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Face Brick - Wood	Exterior	11.0	1792.0 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump	HSPF: 8.50	55.5 kBtu/hr

Credit Multipliers: None

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	E	15.0 ft²	8.0 ft	6.0 ft	4
2	Double	Clear	E	12.0 ft²	2.0 ft	5.0 ft	1
3	Double	Clear	E	15.0 ft²	2.0 ft	6.0 ft	1
4	Double	Clear	E	12.0 ft²	2.0 ft	5.0 ft	1
5	Double	Clear	S	15.0 ft²	2.0 ft	6.0 ft	2
6	Double	Clear	S	6.0 ft²	2.0 ft	4.0 ft	1
7	Double	Clear	W	30.0 ft²	8.0 ft	6.0 ft	1
8	Double	Clear	W	15.0 ft²	2.0 ft	6.0 ft	2
9	Double	Clear	W	30.0 ft²	8.0 ft	6.0 ft	1
10	Double	Clear	N	15.0 ft²	2.0 ft	6.0 ft	2
11	Double	Clear	S	15.0 ft²	38.0 ft	6.0 ft	1

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Uncond.	Uncond.	Garage	6.0	45.0 ft

Credit Multipliers: None

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.88	50.0	None	0.00

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	2444.0	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	10

Residential System Sizing Calculation

Summary

Don Cox

Project Title:
Mack Robinson - Don Cox Residence

Code Only
Professional Version
Climate: North

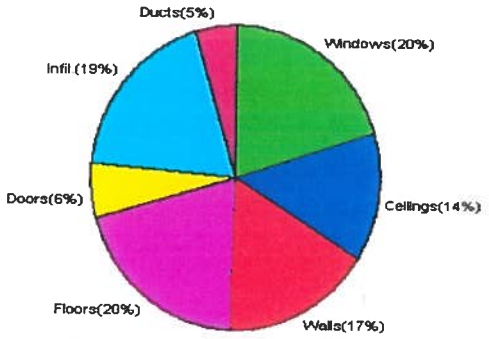
5/10/2006

Location for weather data: Tallahassee - Defaults: Latitude(30) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)					
Winter design temperature	30	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	40	F	Summer temperature difference	17	F
Total heating load calculation	**38762**	**Btuh**	**Total cooling load calculation**	**31259**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	143.2	55500	Sensible (SHR = 0.5)	109.2	27750
Heat Pump + Auxiliary(10.0kW)	231.2	89630	Latent	474.5	27750
			Total (Electric Heat Pump)	177.6	55500

WINTER CALCULATIONS

Winter Heating Load (for 2444 sqft)

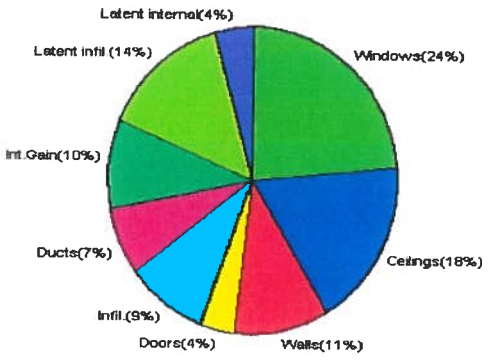
Load component			Load	
Window total	270	sqft	7830	Btuh
Wall total	1792	sqft	6451	Btuh
Door total	122	sqft	2301	Btuh
Ceiling total	2544	sqft	5342	Btuh
Floor total	241	ft	7808	Btuh
Infiltration	163	cfm	7183	Btuh
Subtotal			**36917**	**Btuh**
Duct loss			1846	Btuh
TOTAL HEAT LOSS			**38762**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2444 sqft)

Load component			Load	
Window total	270	sqft	7367	Btuh
Wall total	1792	sqft	3333	Btuh
Door total	122	sqft	1182	Btuh
Ceiling total	2544	sqft	5546	Btuh
Floor total			0	Btuh
Infiltration	143	cfm	2671	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**23100**	**Btuh**
Duct gain			2310	Btuh
Total sensible gain			**25410**	**Btuh**
Latent gain(infiltration)			4468	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**5848**	**Btuh**
TOTAL HEAT GAIN			**31259**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: N Hopkins
DATE: 5/10/06

System Sizing Calculations - Winter

Residential Load - Component Details

Don Cox

Project Title:
Mack Robinson - Don Cox Residence

Code Only
Professional Version
Climate: North

,

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 40.0 F

5/10/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	E	60.0	29.0	1740 Btuh
2	2, Clear, Metal, DEF	E	12.0	29.0	348 Btuh
3	2, Clear, Metal, DEF	E	15.0	29.0	435 Btuh
4	2, Clear, Metal, DEF	E	12.0	29.0	348 Btuh
5	2, Clear, Metal, DEF	S	30.0	29.0	870 Btuh
6	2, Clear, Metal, DEF	S	6.0	29.0	174 Btuh
7	2, Clear, Metal, DEF	W	30.0	29.0	870 Btuh
8	2, Clear, Metal, DEF	W	30.0	29.0	870 Btuh
9	2, Clear, Metal, DEF	W	30.0	29.0	870 Btuh
10	2, Clear, Metal, DEF	N	30.0	29.0	870 Btuh
11	2, Clear, Metal, DEF	S	15.0	29.0	435 Btuh
	Window Total		270		7830 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	11.0	1792	3.6	6451 Btuh
	Wall Total		1792		6451 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		41	18.8	767 Btuh
2	Insulated - Exter		82	18.8	1534 Btuh
	Door Total		122		2301Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	19.0	2544	2.1	5342 Btuh
	Ceiling Total		2544		5342Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	241.0 ft(p)	32.4	7808 Btuh
	Floor Total		241		7808 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	24440(sqft)	163	7183 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			163	7183 Btuh

Totals for Heating	**Subtotal**	**36917 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1846 Btuh**
	Total Btuh Loss	**38762 Btuh**

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

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

Manual J Summer Calculations

Residential Load - Component Details (continued)

Don Cox

Project Title:
Mack Robinson - Don Cox Residence

Code Only
Professional Version
Climate: North

5/10/2006

Totals for Cooling	Subtotal	23100 Btuh
	Duct gain(using duct multiplier of 0.10)	2310 Btuh
	Total sensible gain	25410 Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	4468 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	31259 Btuh

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

System Sizing Calculations - Summer

Residential Load - Component Details

Don Cox

Project Title:
Mack Robinson - Don Cox Residence

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Summer Temperature Difference: 17.0 F 5/10/2006

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, DEF, B, N	E	8	6	60.0	15.0	45.0	15	45	2250 Btuh
2	2, Clear, DEF, B, N	E	2	5	12.0	2.0	10.0	15	45	481 Btuh
3	2, Clear, DEF, B, N	E	2	6	15.0	2.0	13.0	15	45	616 Btuh
4	2, Clear, DEF, B, N	E	2	5	12.0	2.0	10.0	15	45	481 Btuh
5	2, Clear, DEF, B, N	S	2	6	30.0	15.0	15.0	15	24	585 Btuh
6	2, Clear, DEF, B, N	S	2	4	6.0	6.0	0.0	15	24	90 Btuh
7	2, Clear, DEF, B, N	W	8	6	30.0	30.0	0.0	15	45	450 Btuh
8	2, Clear, DEF, B, N	W	2	6	30.0	2.0	28.0	15	45	1291 Btuh
9	2, Clear, DEF, B, N	W	8	6	30.0	30.0	0.0	15	45	450 Btuh
10	2, Clear, DEF, B, N	N	2	6	30.0	0.0	30.0	15	15	450 Btuh
11	2, Clear, DEF, B, N	S	38	6	15.0	15.0	0.0	15	24	225 Btuh
	Window Total				270					7367 Btuh

Walls	Type	R-Value	Area	HTM	Load
1	Frame - Exterior	11.0	1792.0	1.9	3333 Btuh
	Wall Total		1792.0		3333 Btuh

Doors	Type	Area	HTM	Load
1	Insulated - Exter	40.8	9.7	394 Btuh
2	Insulated - Exter	81.6	9.7	788 Btuh
	Door Total	122.4		1182 Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load
1	Under Attic/Dark	19.0	2544.0	2.2	5546 Btuh
	Ceiling Total		2544.0		5546 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab-On-Grade Edge Insulation	0.0	241.0 ft(p)	0.0	0 Btuh
	Floor Total		241.0		0 Btuh

Infiltration	Type	ACH	Volume	CFM=	Load
	Natural	0.35	24440	142.9	2671 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			143	2671 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	6	X 300	+	1200	3000 Btuh

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

Reference to a building permit application Number: 0605-76

Contractor: Mack Robinson. Owner Don Cox 2274 SW Dairy Road

On the date of May 24, 2006 application 0605-76 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 0605-76 when making reference to this application.

To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.

1. The bathroom #2 frosted window shall comply with the FRC-2004 sections R308.4 Hazardous locations: Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface. Each pane of glazing

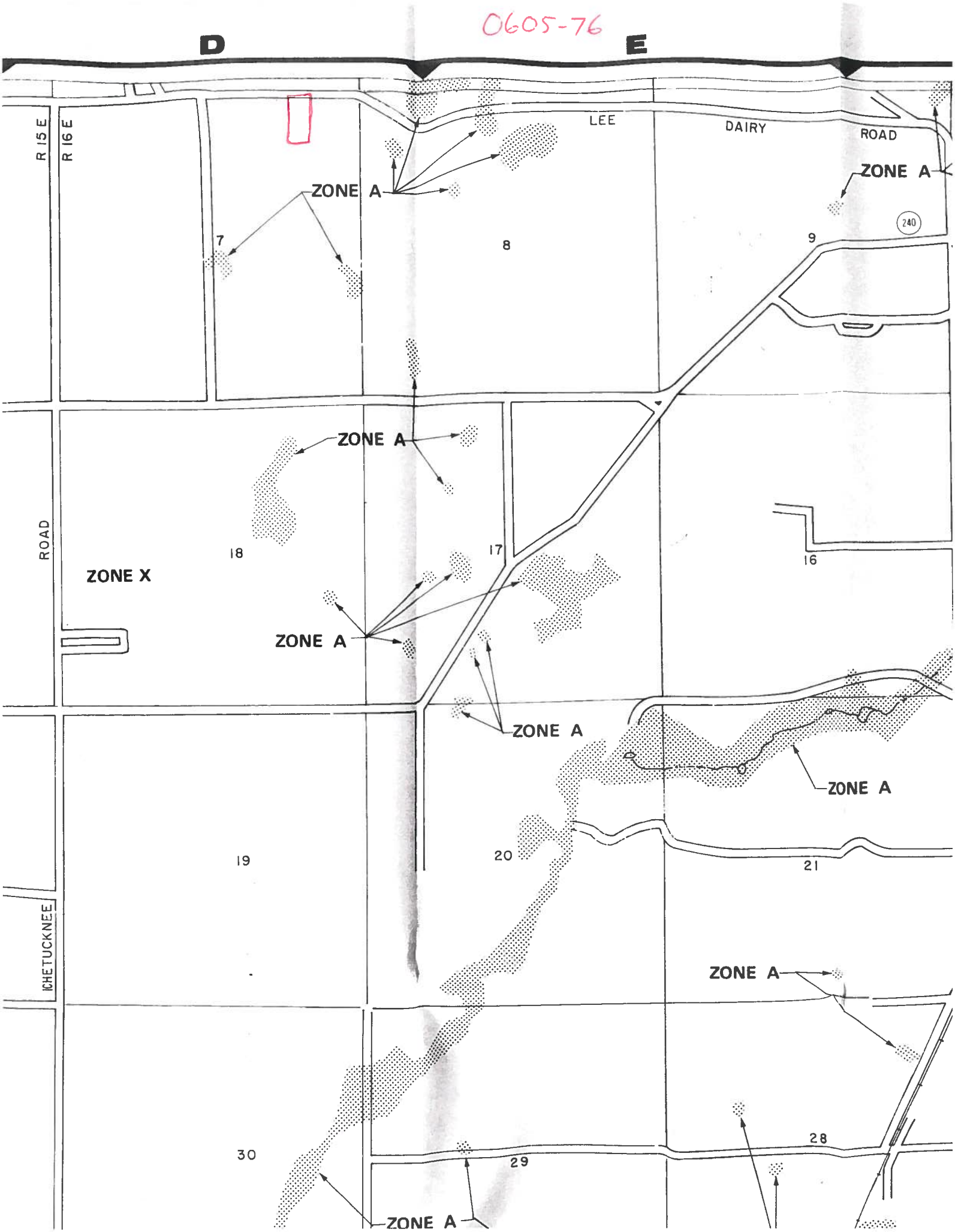
installed in hazardous locations as defined in Section R308.4 shall be provided with a manufacturer's or installer's label, designating the type and thickness of glass and the safety glazing standard with which it complies, which is visible in the final installation. The label shall be acid etched, sandblasted, ceramic-fired, embossed mark, or shall be of a type which once applied cannot be removed without being destroyed.

2. Please comply with the FRC-2004 sections R322.1.1 All new single-family houses, duplexes, triplexes, condominiums and townhouses shall provide at least one bathroom, located with maximum possible privacy, where bathrooms are provided on habitable grade levels, with a door that has a 29-inch (737 mm) clear opening. However, if only a toilet room is provided at grade level, such toilet rooms shall have a clear opening of not less than 29 inches (737 mm).
3. Please submit a recorded (with the Columbia County Clerk Office) notice of commencement before any inspections can be preformed by the Columbia County Building Department.

Mack Robinson

Joe Haltiwanger

Plan Examiner
Columbia County Building Department


0605-76
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New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. 24592

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB104376 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Mark Robinson Construction Company Phone No. 386-623-2400

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 2274 SW Dairy St Lake city FL 32025

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 2 Inside 2 Type of Fill Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 7-11-2006
Brand Name of Product(s) Used Cyper TC
EPA Registration No.
Approximate Final Mix Solution % .25%
Approximate Size of Treatment Area: Sq. ft. 3511 Linear ft. 300 Linear ft. of Masonry Voids
Approximate Total Gallons of Solution Applied 700
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) T. Dryden Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Ted Dryden Date 7-11-2006

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

Summary Energy Code Results

Residential Whole Building Performance Method A

Don Cox

Project Title:
Mack Robinson - Don Cox Residence

Code Only
Professional Version
Climate: North

5/10/2006

Building Loads			
Base		As-Built	
Summer:	**32873 points**	Summer:	**28470 points**
Winter:	**19454 points**	Winter:	**23819 points**
Hot Water:	**7249 points**	Hot Water:	**7249 points**
Total:	**59576 points**	Total:	**59539 points**

Energy Use			
Base		As-Built	
Cooling:	**14024 points**	Cooling:	**9345 points**
Heating:	**12205 points**	Heating:	**11942 points**
Hot Water:	**8238 points**	Hot Water:	**8238 points**
Total:	**34467 points**	Total:	**29524 points**

PASS
e-Ratio: 0.86

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Masonite	steel	FL-15
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Capital		
1. Single hung			FL-675
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments	Woodland		FL 1814
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor	Simpson	H14S SP H14	FL 125 FL 123
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspection

Contractor or Contractor's Authorized Agent Signature

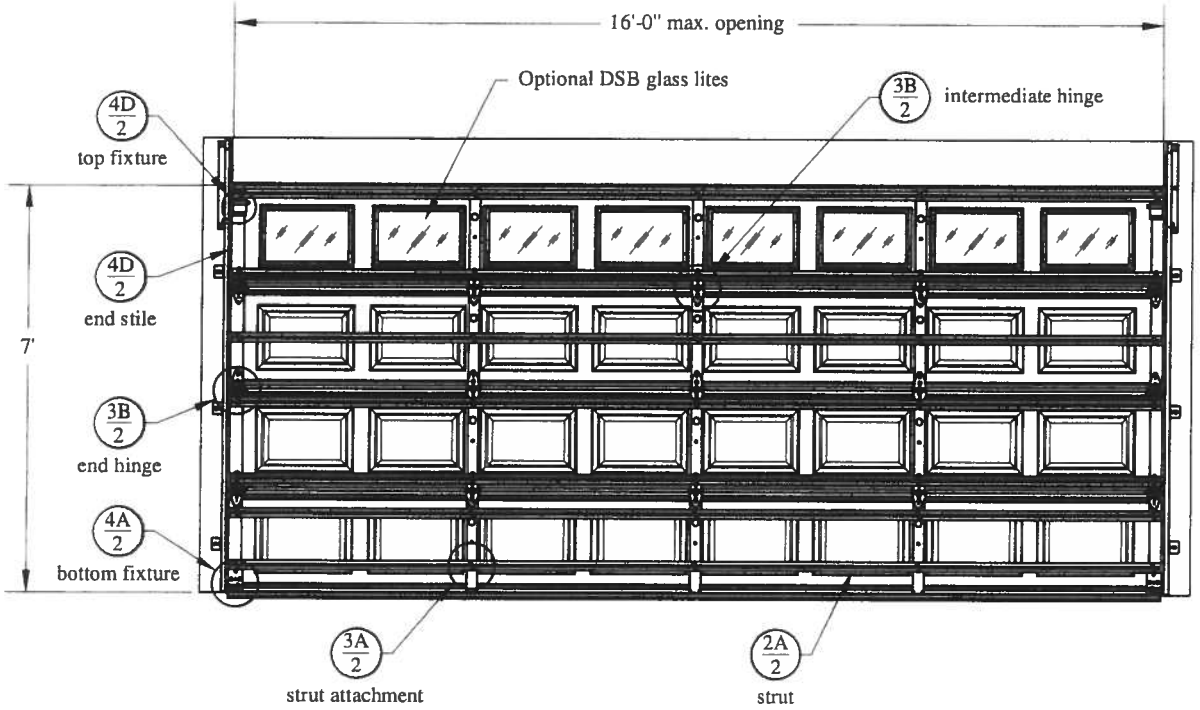
Print Name

Date

Location

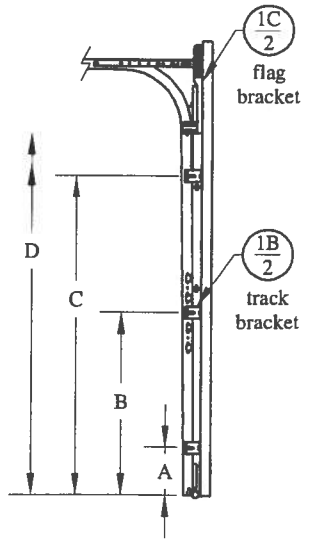
Permit # **(FOR STAFF USE ONLY)**

Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225



door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart		door height								
		6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 pos / 20.7 neg
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of;
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

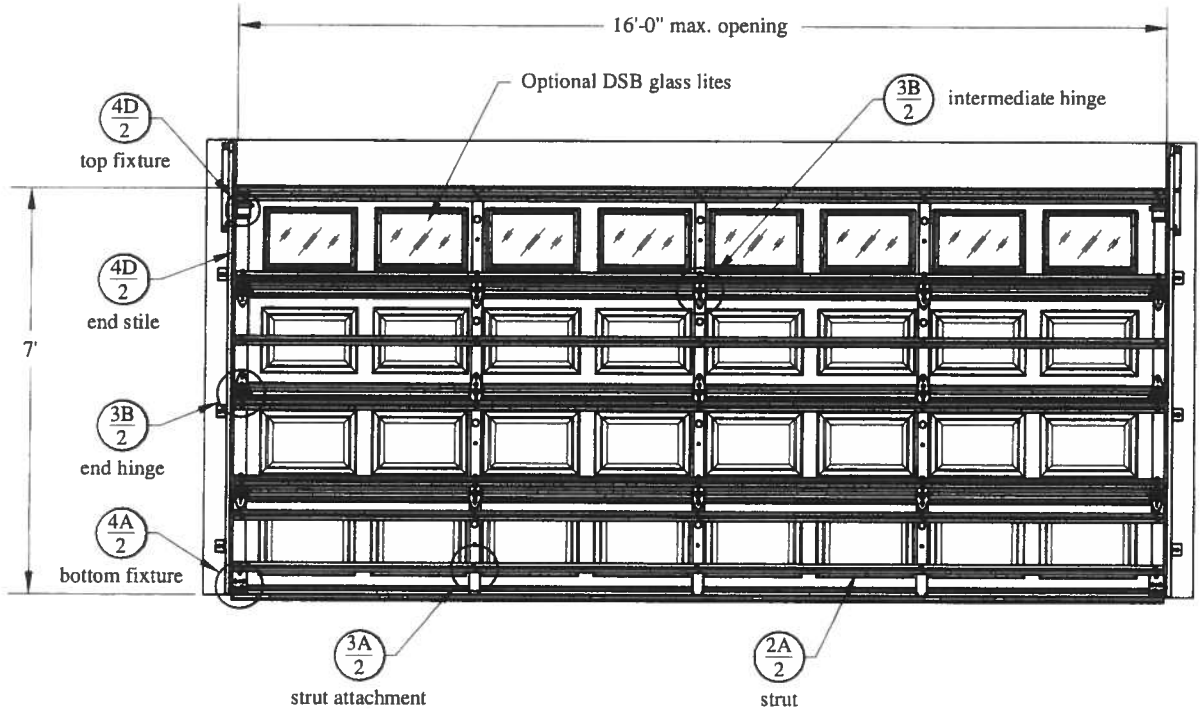
John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. #51737

FL 5519

C.H.I. OVERHEAD DOORS

SCALE nts
DATE 10-25-2005

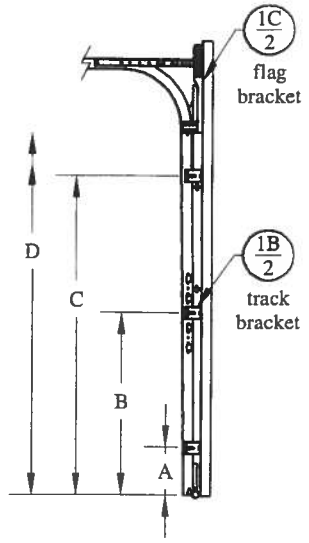
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100



Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart		door height								
		6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002
Design Pressure (DP): 18.5 pos / 20.7 neg
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of;
V = 110 MPH for Exposure B and mean roof height of 30' or less
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall

Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.

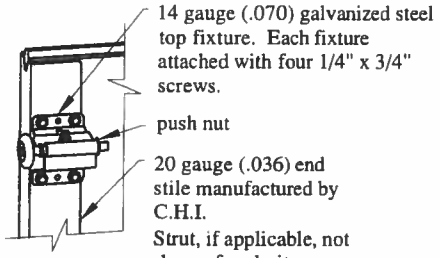
If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

FL 5519

C.H.I. OVERHEAD DOORS
SCALE nts
DATE 10-25-2005
Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100



14 gauge (.070) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

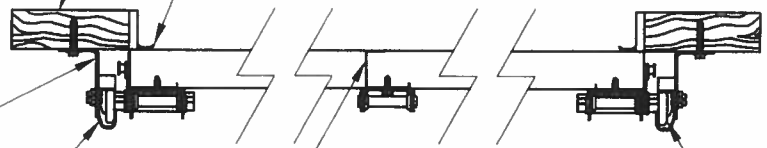
push nut

20 gauge (.036) end stile manufactured by C.H.I.

Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)



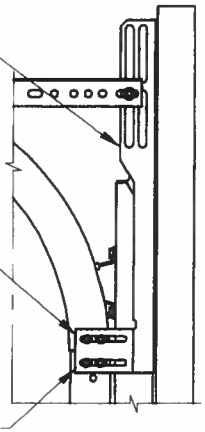
12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

20 gauge (.036) center stile manufactured by C.H.I.

2" steel roller

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.

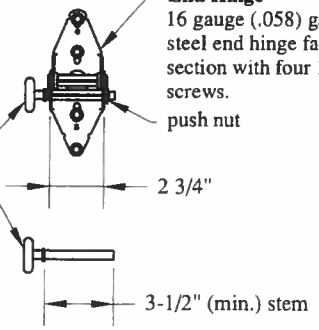
Details on some views may have been omitted for clarity.



12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts.



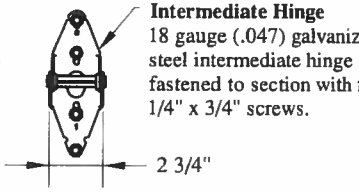
End Hinge
16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4" x 3/4" screws.

push nut

2" steel track roller.

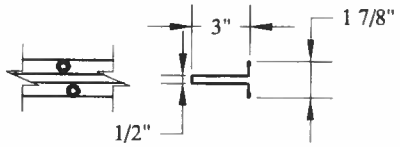
2 3/4"

3-1/2" (min.) stem



Intermediate Hinge
18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4" x 3/4" screws.

2 3/4"

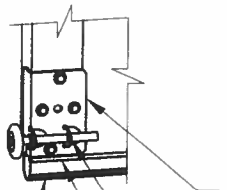


3"

1 7/8"

1/2"

20 gauge (.034) 33 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.

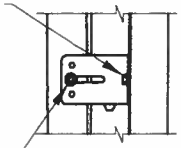


12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

Vinyl weatherstrip

push nut

Aluminum extrusion



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg
page 2 of 2

Professional Engineer's seal provided only for verification of windload construction details

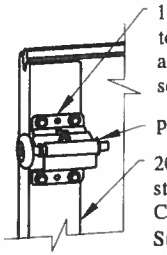
John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

C.H.I. CUSTOMIZED SOLUTIONS

SCALE nts

DATE 10-25-2005

Model 2250/51 (16'-0" wide)
C.H.I. Drawing: Z3-1607-01100



14 gauge (.070) galvanized steel top fixture. Each fixture attached with four 1/4" x 3/4" screws.

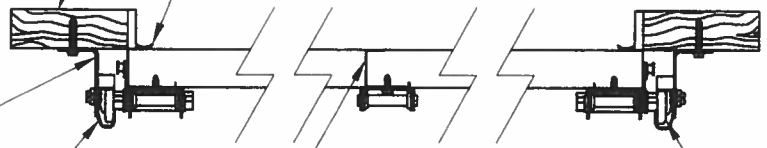
push nut

20 gauge (.036) end stile manufactured by C.H.I.

Strut, if applicable, not shown for clarity.

The 2x6 vertical wood jambs are to be grade 2 or better southern pine. Fasteners may be countersunk to provide a flush mounting surface.

2" x 7/16" (nominal) Stop molding required (not supplied by C.H.I.)

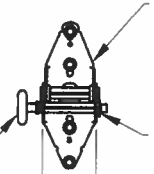


12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

20 gauge (.036) center stile manufactured by C.H.I.

2" steel roller

2" x .051 min. galvanized steel track fastened to track brackets. Each track bracket attached with one 1/4" x 5/8" track bolt and nut.



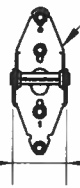
End Hinge
16 gauge (.058) galvanized steel end hinge fastened to section with four 1/4" x 3/4" screws.

push nut

2" steel track roller.

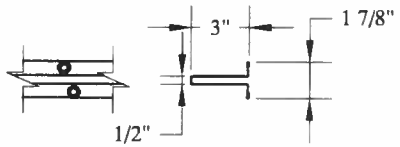
2 3/4"

3-1/2" (min.) stem



Intermediate Hinge
18 gauge (.047) galvanized steel intermediate hinge fastened to section with four 1/4" x 3/4" screws.

2 3/4"

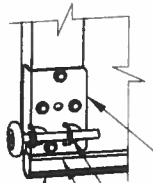


3"

1 7/8"

1/2"

20 gauge (.034) 33 ksi galvanized steel 3" strut attached with two 1/4" x 3/4" screws per stile or hinge plate.



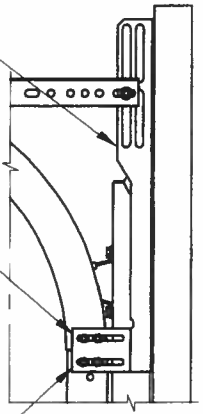
12 gauge (.102) galvanized steel bottom bracket manufactured by C.H.I. Each bracket attached with four red 1/4" x 3/4" screws.

Vinyl weatherstrip

push nut

Aluminum extrusion

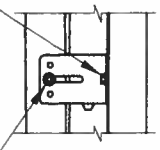
Details on some views may have been omitted for clarity.



12 gauge (.086) galvanized steel flag bracket fastened to wood jamb with three 5/16" x 1-5/8" wood lag screws.

Flag bracket attached to horizontal track with two 1/4" x 5/8" track bolts and nuts.

Flag bracket attached to vertical track with two 1/4" x 5/8" track bolts and nuts.



12 gauge (.095) galvanized steel track bracket fastened to wood jamb with one 5/16" x 1-5/8" wood lag screw per bracket.

Each track bracket attached with one 1/4" x 5/8" track bolt and nut. Or two 1/4" x 11/32" rivets.

Design Load: 18.5 pos / 20.7 neg
Test Load: 27.8 pos / 31.1 neg

John E. Scates, P.E.
1411 LeMay Street #205
Carrollton, Texas 75007
Florida P.E. # 51737

Professional Engineer's seal provided only for verification of windload construction details

C.H.I. OVERHEAD DOORS

SCALE nts

DATE 10-25-2005

Model 2250/51 (16'-0" wide)

C.H.I. Drawing: Z3-1607-01100

AAMA/NWWDA 101/I.S.2-97
TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650
TYPE: Aluminum Triple Single Hung Window

Title	Summary of Results
AAMA Rating	H-R35 112 x 72
Operating Force	25 lb max.
Air Infiltration	0.16 cfm/ft²
Water Resistance Test Pressure	5.25 psf
Uniform Load Deflection Test Pressure	+35.3 psf -35.0 psf
Uniform Load Structural Test Pressure	+53.0 psf -52.5 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 01-41641.02 for complete test specimen description and data.

Architectural Testing

AAMA/NWWDA 101/I.S.2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
650 West Market Street
Gratz, Pennsylvania 17030-0370

Report No: 01-41641.02
Test Dates: 05/13/02
And: 05/16/02
Report Date: 11/12/02
Expiration Date: 05/16/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness testing on a Series/Model 650, aluminum triple single hung window at their facility located in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R35 112 x 72 rating.

Test Specification: The test specimen was evaluated in accordance with AAMA/NWWDA 101/I.S.2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.*

Test Specimen Description:

Series/Model: 650

Type: Aluminum Triple Single Hung Window

Overall Size: 9' 3-1/2" wide by 5' 11-11/16" high

Active Sash Size (3): 3' 0-1/4" wide by 2' 10-3/4" high

Fixed Daylight Opening Size (3): 2' 8-1/4" wide by 2' 9-1/8" high

Screen Size (3): 2' 9-1/8" wide by 2' 11" high

Finish: All aluminum was painted white.

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com

Test Specimen Description: (Continued)

Glazing Details: The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" by 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam filled vinyl bulb seal	1 Row	Active sash, bottom rail

Frame Construction: The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. The meeting rail was secured to the frame utilizing two 1-1/4" screws. The mullions were secured utilizing four #8 x 1-1/4" screws through the head and sill into the mullion screw boss.

Sash Construction: The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each stiles' screw boss.

Screen Construction: The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Test Specimen Description: (Continued)

Hardware:

Description	Quantity	Location
Metal cam lock with keeper	1	Midspan of each active meeting rail with adjacent keepers
Plastic tilt latch	2	Each active sash meeting rail ends
Metal tilt pin	2	Each active sash bottom rail ends
Balance assembly	2	Each active sash contained one in each jamb
Screen plunger	2	Each screen contained two 4" from rail ends on top rail

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	25 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.16 cfm/ft^2	0.3 cfm/ft^2 max.

Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.

2.1.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.4.1	Uniform Load Deflection (ASTM E 330-97)		
	(Measurements reported were taken on the mullion)		
	(Loads were held for 52 seconds)		
	@ 15.0 psf (positive)	0.15"	0.41" max.
	@ 15.0 psf (negative)	0.29"	0.41" max.
2.1.4.2	Uniform Load Structural (ASTM E 330-97)		
	(Measurements reported were taken on the mullion)		
	(Loads were held for 10 seconds)		
	@ 22.5 psf (positive)	0.01"	0.29" max.
	@ 22.5 psf (negative)	0.01"	0.29" max.
2.2.1.6.2	Deglazing Test (ASTM E 987-88)		
	In operating direction at 70 lbs		
	Right sash, meeting rail	0.12"/25%	0.50"/100%
	Right sash, bottom rail	0.12"/25%	0.50"/100%
	Middle sash, meeting rail	0.12"/25%	0.50"/100%
	Middle sash, bottom rail	0.12"/25%	0.50"/100%
	Left sash, meeting rail	0.12"/25%	0.50"/100%
	Left sash, bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Right sash, right stile	0.06"/12%	0.50"/100%
	Right sash, left stile	0.06"/12%	0.50"/100%
	Middle sash, right stile	0.06"/12%	0.50"/100%
	Middle sash, left stile	0.06"/12%	0.50"/100%
	Left sash, right stile	0.06"/12%	0.50"/100%
	Left sash, left stile	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 5.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds)		
	@ 35.3 psf (positive)	0.46"	See Note #2
	@ 35.0 psf (negative)	0.41"	See Note #2
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds)		
	@ 53.0 psf (positive)	0.03"	0.29" max.
	@ 52.5 psf (negative)	0.02"	0.29" max.

Note #2: The Uniform Load Deflection test is not an AAMA/NWWDA 101/I.S.2-97 requirement for this product designation. The data is recorded in this report for information only.

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. 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 written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

David A. Kranz
Director - Product Physical Testing

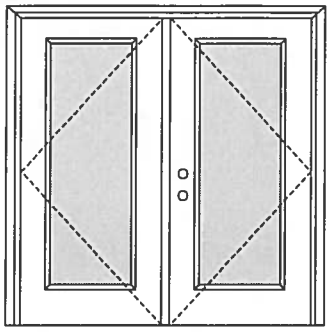
MAH:dm
01-41641.02

XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Warnock Hersey

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

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

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

Design Pressure
+40.5/-40.5
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:

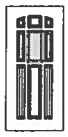
Compliance requires that minimum installation details have been followed – see MID-WL-MA0002-02.

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series

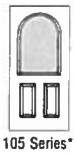

133, 135 Series

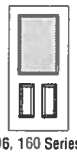

136 Series

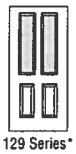

680 Series


822 Series

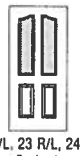
1/2 GLASS:

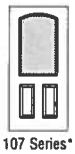

105 Series*


106, 160 Series*

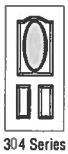

129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel, Eyebrow 5-panel with scroll.

Johnson™ EntrySystems

June 17, 2002
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PREMDOR Collection Premium Quality Doors

Exclusively from Masonite®
Masonite International Corporation

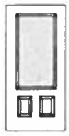
XX
Glazed Outswing Unit

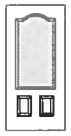
COP-WL-JH4162-02

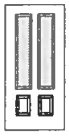
WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

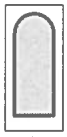
3/4 GLASS:

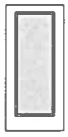

404 Series


410 Series


450 Series

FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper 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).

Kurt L Balthazor

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

Warnock Hersey

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

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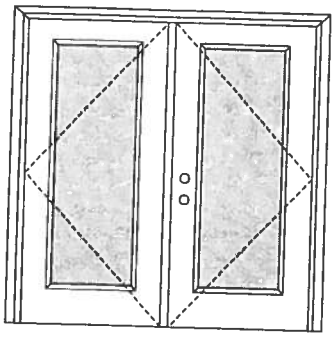
XX
Glazed Outswing Unit

COP-WL-JH4162-02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Warnock Hersey

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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 6'8".

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

Design Pressure
+40.5/-40.5
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:

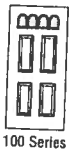
Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0012-02 and MAD-WL-MA0041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:


100 Series


133, 135 Series


136 Series

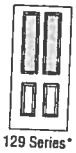

680 Series

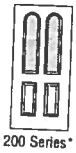

822 Series

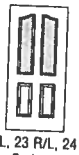
1/2 GLASS:

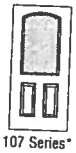

105 Series*

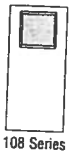

106, 160 Series*

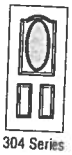

129 Series*


200 Series*


12 R/L, 23 R/L, 24 R/L Series*


107 Series*


108 Series


304 Series

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WOOD-EDGE STEEL DOORS

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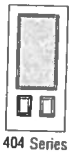

404 Series


410 Series


450 Series

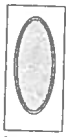
FULL GLASS:


109 Series


114, 120, 122 Series


152 Series


149 Series


300 Series

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

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Frame constructed of wood with an extruded aluminum bumper threshold.

PRODUCT COMPLIANCE LABELING:

TESTED IN
ACCORDANCE WITH
MIAMI-DADE BCCO PA202

COMPANY NAME
CITY, STATE

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Kurt L Balthazor

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

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Notice of Treatment 12/15

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: BAYA Hill
City Lake City Phone 752 1703

Site Location: Subdivision
Lot # Block# Permit # 24546
Address 2224 SW Dairy St

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3511	1130	6

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

9-12-06 1200 Tosh
Date Time Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink
10/05 ©

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 07-5S-16-03485-004

Building permit No. 000024592

Use Classification SFD/UTILITY

Fire: 50.22

Permit Holder RONALD M. ROBINSON,SR.

Waste: 150.75

Owner of Building DONALD & MICHELLE COX

Total: 200.97

Location: 2274 SW DAIRY STREET, LAKE CITY, FL

Date: 12/29/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)