

Columbia County Building Permit Application

Revised 9-23-

For Office Use Only Application # 0512-46 Date Received 12/20 By JW Permit # 24025/44
Application Approved by - Zoning Official BLK Date 22.12.05 Plans Examiner OK JTH Date 1-5-06
Flood Zone X Per PLAT Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Dens
Comments Plat Requires Minimum Floor Elevation to be 109.5. Elevation letter
Required before Slab needed recorded deed

Applicants Name Hugo Escalante Phone 386-288-8666
Address 6210 S.W. CR 18, FT White, FL 32038
Owners Name Lysis Castro, 11522 S.W. 100th Ave, Miami, FL Phone 386-288-8666
911 Address 124 S.W. Buttercup DRIVE Lake City, FL, 32024
Contractors Name Hugo Escalante Phone 386-288-8666
Address 6210 S.W. CR 18, Fort White, FL 32038
Fee Simple Owner Name & Address None
Bonding Co. Name & Address None
Architect/Engineer Name & Address Daniel Shaheen, Lake City, FL
Mortgage Lenders Name & Address First Federal Bank, Lake City, FL
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 15-45-16-03023-0000-523 Estimated Cost of Construction 130,000
Subdivision Name Rolling Meadows Lot 23 Block Unit Phase
Driving Directions Take 247 South from Lake City, to Callahan Road make left,
go to end make left at Hope Henry RD, go 2 blocks to SW morning glory
follow road to S.W. Buttercup Drive, corner lot on right.
Type of Construction New Single Family Number of Existing Dwellings on Property 0
Total Acreage 1/2 Lot Size 1/2 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 25' Side 65' Side 65' Rear 40'
Total Building Height 18'-0" Number of Stories 1 Heated Floor Area 1718 Sq Ft Roof Pitch 6-12
Porch 92 GARAGE 486 TOTAL 2296

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.

Hugo Escalante
Owner Builder or Agent (Including Contractor)

Hugo Escalante
Contractor Signature

STATE OF FLORIDA
COUNTY OF COLUMBIA



Contractors License Number CRC1326967
Competency Card Number
NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me
this 20th day of December 20 05.

Personally known X or Produced Identification

Carrie L. Revelle
Notary Signature

**Columbia County 9-1-1 Addressing / GIS Department
Address Assignment Data for Rolling Meadows Subdivision
Section 15, Township 4 South, Range 16 East**

LOT#	ADDRESS	LOT#	ADDRESS
LOT1	121 SW MORNING GLORY DR	LOT31	137 SW POPPY GLN
LOT2	145 SW MORNING GLORY DR	*LOT32	206 SW BUTTERCUP DR
LOT3	165 SW MORNING GLORY DR	*LOT32	117 SW POPPY GLN
LOT4	187 SW MORNING GLORY DR	LOT33	254 SW BUTTERCUP DR
LOT5	209 SW MORNING GLORY DR	LOT34	296 SW BUTTERCUP DR
LOT6	231 SW MORNING GLORY DR	LOT35	318 SW BUTTERCUP DR
LOT7	253 SW MORNING GLORY DR	LOT36	336 SW BUTTERCUP DR
LOT8	283 SW MORNING GLORY DR	LOT37	348 SW BUTTERCUP DR
LOT9	299 SW MORNING GLORY DR	LOT38	352 SW BUTTERCUP DR
LOT10	311 SW MORNING GLORY DR	LOT39	349 SW BUTTERCUP DR
LOT11	333 SW MORNING GLORY DR	LOT40	337 SW BUTTERCUP DR
LOT12	357 SW MORNING GLORY DR	LOT41	319 SW BUTTERCUP DR
LOT13	381 SW MORNING GLORY DR	LOT42	297 SW BUTTERCUP DR
LOT14	405 SW MORNING GLORY DR	LOT43	279 SW BUTTERCUP DR
LOT15	429 SW MORNING GLORY DR	LOT44	269 SW BUTTERCUP DR
LOT16	453 SW MORNING GLORY DR	LOT45	259 SW BUTTERCUP DR
LOT17	463 SW MORNING GLORY DR	LOT46	243 SW BUTTERCUP DR
LOT18	464 SW MORNING GLORY DR	LOT47	221 SW BUTTERCUP DR
LOT19	456 SW MORNING GLORY DR	LOT48	199 SW BUTTERCUP DR
LOT20	442 SW MORNING GLORY DR	LOT49	173 SW BUTTERCUP DR
LOT21	418 SW MORNING GLORY DR	LOT50	147 SW BUTTERCUP DR
LOT22	396 SW MORNING GLORY DR	*LOT51	338 SW MORNING GLORY DR
*LOT23	374 SW MORNING GLORY DR	*LOT51	123 SW BUTTERCUP DR
*LOT23	124 SW BUTTERCUP DR	LOT52	298 SW MORNING GLORY DR
*LOT24	158 SW BUTTERCUP DR	LOT53	258 SW MORNING GLORY DR
*LOT24	116 SW POPPY GLN	LOT54	226 SW MORNING GLORY DR
LOT25	136 SW POPPY GLN	LOT55	202 SW MORNING GLORY DR
LOT26	158 SW POPPY GLN	LOT56	174 SW MORNING GLORY DR
LOT27	182 SW POPPY GLN	LOT57	150 SW MORNING GLORY DR
LOT28	208 SW POPPY GLN	LOT58	130 SW MORNING GLORY DR
LOT29	209 SW POPPY GLN	LOT59	112 SW MORNING GLORY DR
LOT30	159 SW POPPY GLN		

(NOTE: * IDENTIFIES CORNER LOTS. CONTACT THE 9-1-1 ADDRESSING DEPARTMENT FOR CORRECT ADDRESS.)

Columbia County 8-1-1 Addressing / GIS Department
23 November 2005
Map: Rolling Meadows Subdivision (15-4S-18)
Address Assignments
Scale: 1 inch = 200 feet



GLORY DR



COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787

Telephone: (386) 758-1125 * FAX (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

To: Mr. John Kerce, Building and Zoning Coordinator

Fr: Ronal Croft, 9-1-1 Addressing

Dt: November 23, 2005

Re: 9-1-1 Addressing of "Rolling Meadows" Subdivision.

Please find attached 9-1-1 Addressing data for Rolling Meadows Subdivision in Section 15, Township 4 South, Range 16 East.

NOTE: Please contact the 9-1-1 Address Department concerning addresses for corner lots 23, 24, 32 and 51. Also, contact the 9-1-1 Address Department if two or more lots are to be combined for one residential location, as this will affect the address number.

Please contact us at Telephone Number 758-1125 if there are any questions concerning the addressing of this subdivision.

**XC: Environmental Health Department
Lake City Post Office
George Johnson, Bell South
Larry Cook, Property Appraiser's Office
File**

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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 15-45-16-030.23-005

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

Lot 23, Rolling Meadows, a subdivision according to the
plat thereof, as recorded in Plat Book 8, pages 45896, public
records of Columbia County, Florida

2. General description of Improvement: New Single Family Dwelling

3. Owner Name & Address Lysis Castro, 11522 S.W. 100th Ave, Miami FL
33176 Interest In Property 100%

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

5. Contractor Name Hugo Escalante Phone Number 386-288-8666

Address 6810 S.W. CR 18, FORT WHITE

6. Surety Holders Name Fort White, FL 32038 Inst: 2005031429 Date: 12/20/2005 Time: 12:00
Address FL 32038 DC, P. Dewitt Cason, Columbia County B: 1068 P:

Amount of Bond

7. Lender Name Fms Federal Savings Bank Phone Number 386-754-7150

Address 2571 West US Hwy 90, Lake City, FL 32055

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

Name Marken Escalante Phone Number 386-288-8666

Address 194 S.W. Ranchouse Blvd, Ft White, FL 32038

9. In addition to himself/herself the owner designates Hugo Escalante
Fort White, FL to receive a copy of the Lienor's Notice as provided in Section 713.13 (1)

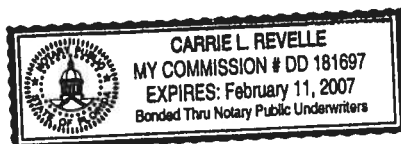
(a) 7. Phone Number of the designee 386-288-8666

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

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Lysis Castro FOR
Signature of Owner



Sworn to (or affirmed) and subscribed before
day of 20th December, 2005

NOTARY STAMP/SEAL

Carrie L. Revelle
Signature of Notary

794 800 886-9563

This instrument prepared by:
William J. Haley, Esquire
Brannon, Brown,
Haley & Bullock, P. A.
P. O. Box 1029
Lake City, FL 32056-1029

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 21st day of October, 2005, between **RML HOLDINGS, INC.**, a Florida corporation, having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **LYSIS CASTRO**, having a mailing address of P.O. Box 280, Ft. White, Florida 32038, hereinafter referred to as Grantee.

WITNESSETH: That said Grantor, for and in consideration of the sum of \$10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 23, **ROLLING MEADOWS**, a subdivision according to the plat thereof, as recorded in Plat Book 8, pages 45 and 46, public records of Columbia County, Florida.

PARCEL NO. Part of 15-4S-16-03023-005

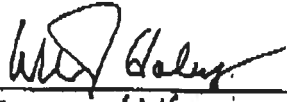
SUBJECT TO: Taxes and special assessments for the year 2005 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

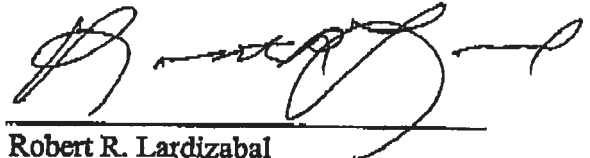
and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

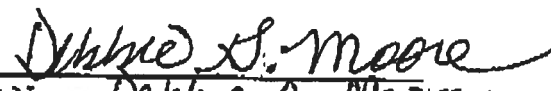
IN WITNESS WHEREOF, Grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

RML HOLDINGS, INC., a Florida
corporation


Print Name: William A. Staley

By: 
Robert R. Lardizabal
President


Print Name: Debbie G. Moore

STATE OF FLORIDA
COUNTY OF COLUMBIA

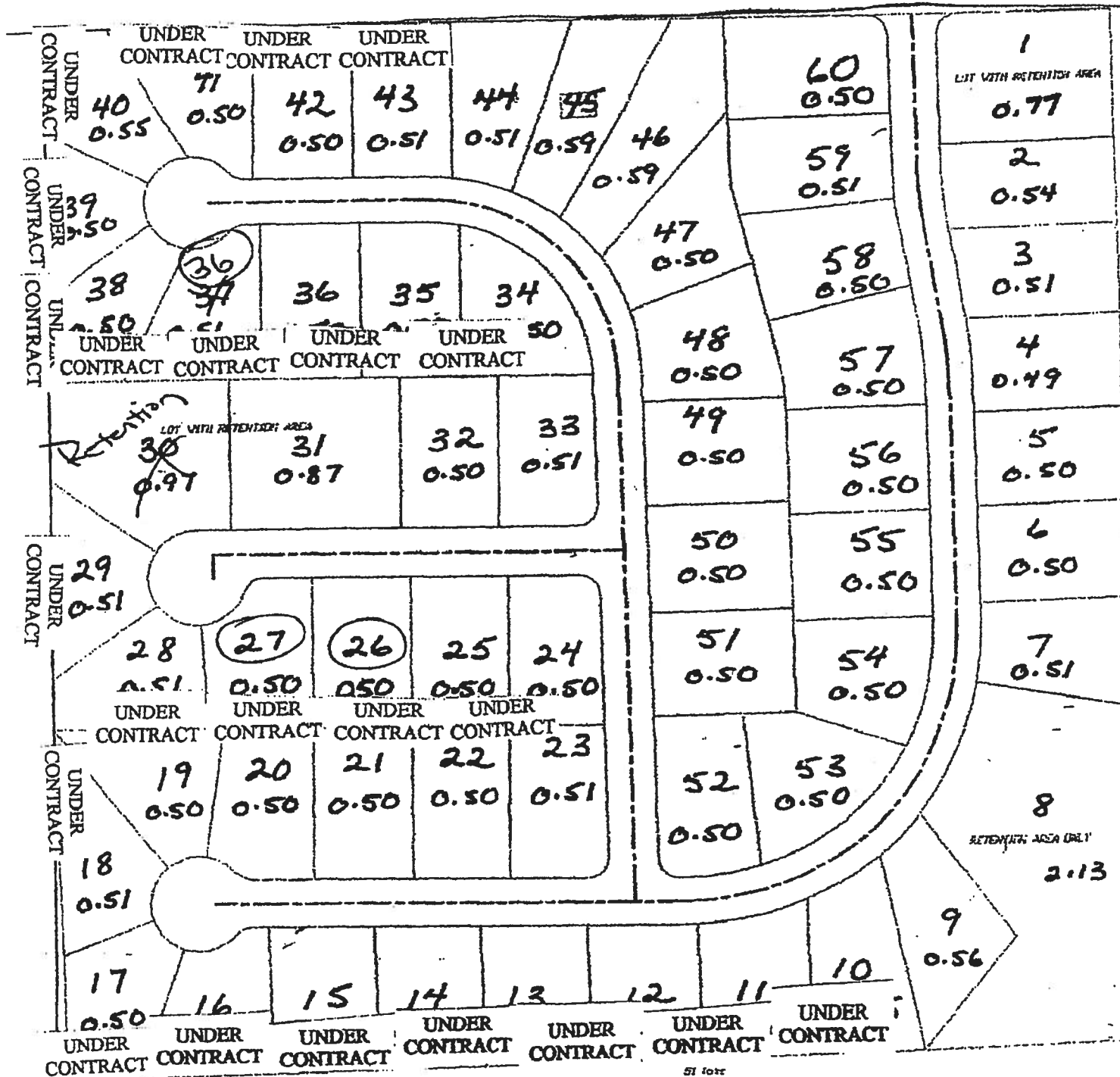
The foregoing instrument was acknowledged before me this 21st day of October, 2005,
by Robert R. Lardizabal, as President of RML Holdings, Inc., a Florida corporation, on behalf of
said corporation, who is personally known to me.


Notary Public, State of Florida



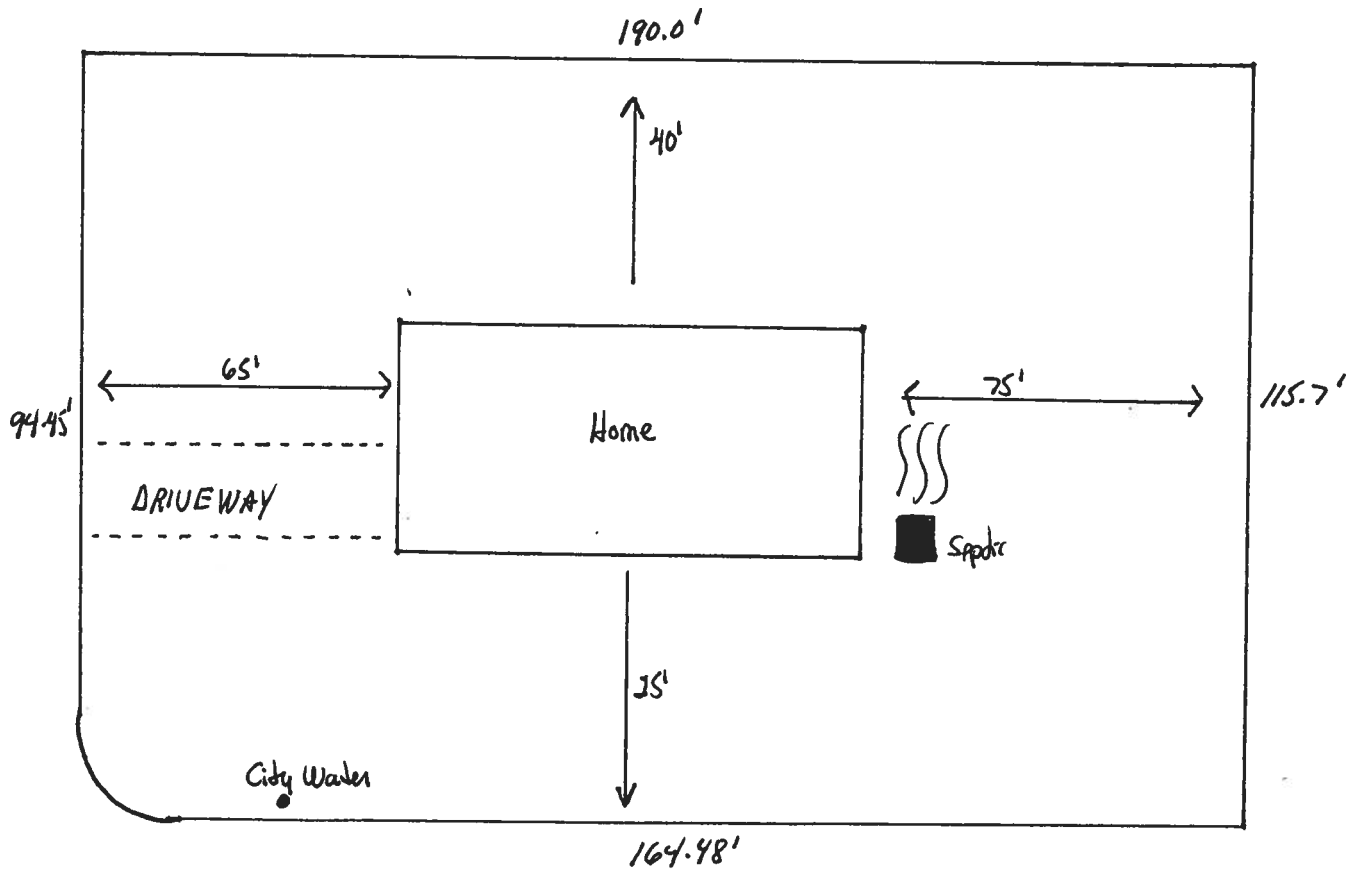
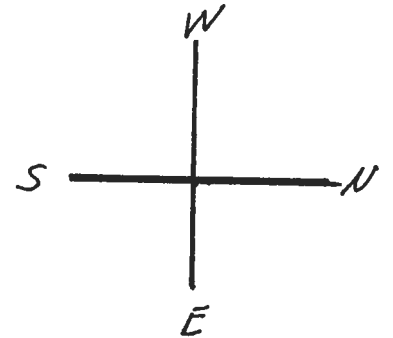
ROLLING MEADOWS

1/2 TO 1 ACRE LOTS STARTING AT \$27,900
UNDER GROUND UTILITIES & CITY WATER
FOR INFORMATION CALL 386/365-4379



Escalante, Hugo

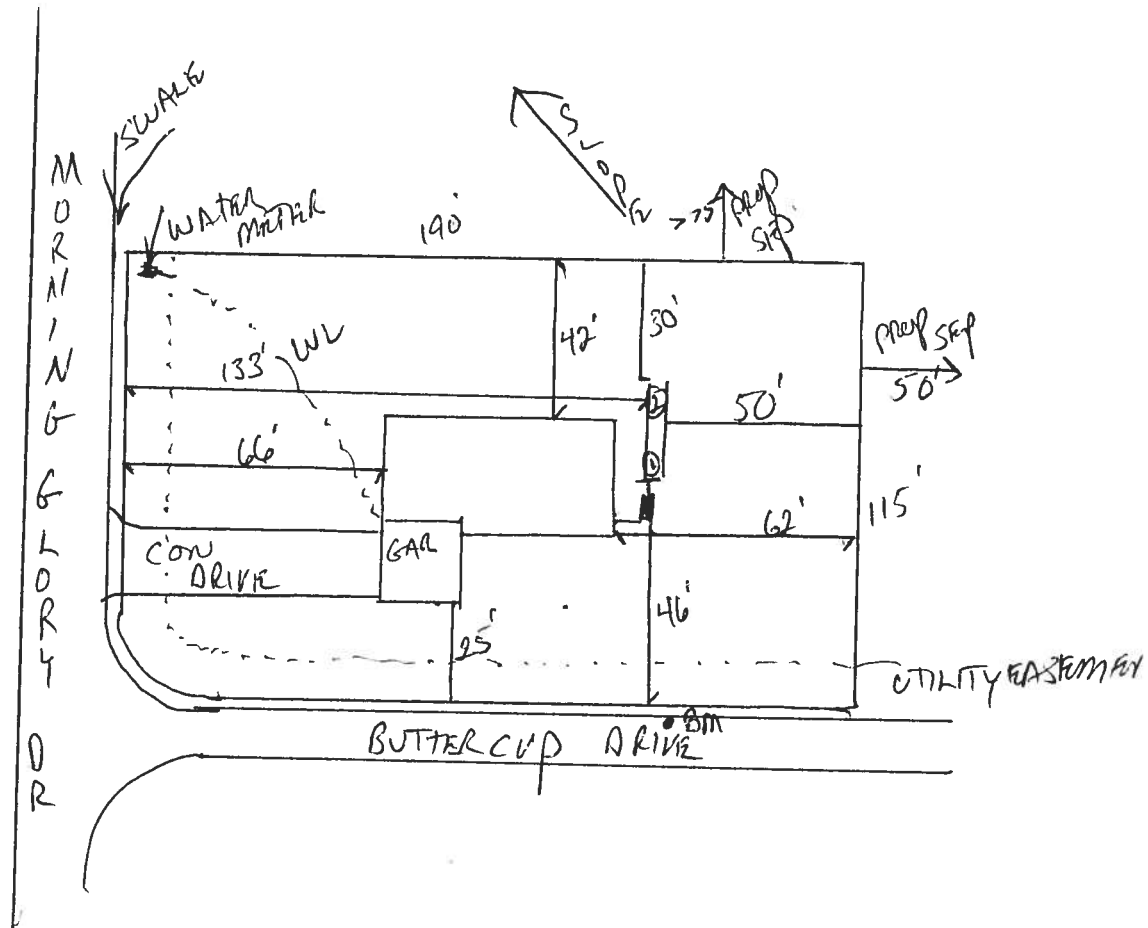
Lot 23 Rolling Meadows
Subdivision



SW Buttercup Drive

Permit Application Number 05-12402

Scale: 1 inch = 50 feet.



Notes: _____

MASTER CONTRACTOR

Date 12/14/05

By Mr. O. H. Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Lot 23, Rolling Meadows**
 Address: **Lot: 23, Sub: Rolling Meadows, Plat:**
 City, State: **Fort White, FL 32038-**
 Owner: **EWPL INC**
 Climate Zone: **North**

Builder: **EWPL INC**
 Permitting Office: **Columbia**
 Permit Number: **241025**
 Jurisdiction Number: **221000**

- | | | | | | |
|--|--------------------------------|-----|--|-------------------|-----|
| 1. New construction or existing | New | ___ | 12. Cooling systems | | |
| 2. Single family or multi-family | Single family | ___ | a. Central Unit | Cap: 30.0 kBtu/hr | ___ |
| 3. Number of units, if multi-family | 1 | ___ | | SEER: 10.00 | ___ |
| 4. Number of Bedrooms | 3 | ___ | b. N/A | | ___ |
| 5. Is this a worst case? | No | ___ | c. N/A | | ___ |
| 6. Conditioned floor area (ft ²) | 1718 ft ² | ___ | 13. Heating systems | | |
| 7. Glass area & type | | ___ | a. Electric Heat Pump | Cap: 30.0 kBtu/hr | ___ |
| a. Clear - single pane | 0.0 ft ² | ___ | | HSPF: 6.80 | ___ |
| b. Clear - double pane | 351.7 ft ² | ___ | b. N/A | | ___ |
| c. Tint/other SHGC - single pane | 0.0 ft ² | ___ | c. N/A | | ___ |
| d. Tint/other SHGC - double pane | 0.0 ft ² | ___ | 14. Hot water systems | | |
| 8. Floor types | | ___ | a. Electric Resistance | Cap: 50.0 gallons | ___ |
| a. Slab-On-Grade Edge Insulation | R=0.0, 194.0(p) ft | ___ | | EF: 0.88 | ___ |
| b. N/A | | ___ | b. N/A | | ___ |
| c. N/A | | ___ | c. Conservation credits | | ___ |
| 9. Wall types | | ___ | (HR-Heat recovery, Solar | | ___ |
| a. Frame, Wood, Adjacent | R=13.0, 197.0 ft ² | ___ | DHP-Dedicated heat pump) | | ___ |
| b. Frame, Wood, Exterior | R=13.0, 1554.0 ft ² | ___ | 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, 1718.0 ft ² | ___ | MZ-H-Multizone heating) | | ___ |
| b. N/A | | ___ | | | ___ |
| c. N/A | | ___ | | | ___ |
| 11. Ducts | | ___ | | | ___ |
| a. Sup: Unc. Ret: Unc. AH: Interior | Sup. R=6.0, 115.0 ft | ___ | | | ___ |
| b. N/A | | ___ | | | ___ |

Glass/Floor Area: 0.20

Total as-built points: 27223

Total base points: 27515

PASS

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

PREPARED BY: [Signature]

DATE: 11-22-05

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038- 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.	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038- PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
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	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
9643		9634		8238		27515	9798		9186
									8238
									27223

PASS



WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038- PERMIT #:

BASE				AS-BUILT				
INFILTRATION Area X BWPM = Points				Area X WPM = Points				
1718.0 -0.59 -1013.6				1718.0 -0.59 -1013.6				
Winter Base Points: 15355.6				Winter As-Built Points: 15762.5				
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier X Credit Multiplier = Heating Points
						(DM x DSM x AHU)		
15355.6		0.6274	9634.1	15762.5	1.000	(1.069 x 1.169 x 0.93)	0.501	1.000 9186.4
				15762.5	1.00	1.162	0.501	1.000 9186.4

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038- 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 = Points				
.18	1718.0	12.74	3939.7	Double, Clear	N	1.5	7.5	42.0	14.30	1.00	601.4
				Double, Clear	N	9.0	10.0	13.3	14.30	1.02	194.0
				Double, Clear	N	9.0	4.0	9.3	14.30	1.03	136.9
				Double, Clear	N	1.5	5.5	17.5	14.30	1.00	251.1
				Double, Clear	E	1.5	5.5	30.0	9.09	1.04	284.0
				Double, Clear	S	1.5	5.5	17.5	4.03	1.15	80.9
				Double, Clear	S	1.5	6.5	72.0	4.03	1.09	317.5
				Double, Clear	SW	1.5	6.5	16.0	7.17	1.05	120.5
				Double, Clear	S	1.5	6.5	36.0	4.03	1.09	158.8
				Double, Clear	SE	1.5	6.5	16.0	5.33	1.08	92.3
				Double, Clear	W	1.5	6.5	16.0	10.77	1.02	175.6
				Double, Clear	S	1.5	5.5	30.0	4.03	1.15	138.7
				Double, Clear	W	1.5	5.5	20.0	10.77	1.03	221.4
				Double, Clear	W	1.5	5.0	16.0	10.77	1.03	178.2
				As-Built Total:				351.7	2951.4		
WALL TYPES				Type		R-Value		Area X WPM = Points			
Adjacent	197.0	3.60	709.2	Frame, Wood, Adjacent		13.0		197.0	3.30	650.1	
Exterior	1554.0	3.70	5749.8	Frame, Wood, Exterior		13.0		1554.0	3.40	5283.6	
Base Total:				As-Built Total:				1751.0	5933.7		
DOOR TYPES				Type				Area X WPM = Points			
Adjacent	20.0	11.50	230.0	Exterior Wood				40.0	12.30	492.0	
Exterior	40.0	12.30	492.0	Adjacent Wood				20.0	11.50	230.0	
Base Total:				As-Built Total:				60.0	722.0		
CEILING TYPES				Type		R-Value		Area X WPM X WCM = Points			
Under Attic	1718.0	2.05	3521.9	Under Attic		30.0		1718.0	2.05 X 1.00	3521.9	
Base Total:				As-Built Total:				1718.0	3521.9		
FLOOR TYPES				Type		R-Value		Area X WPM = Points			
Slab	194.0(p)	8.9	1726.6	Slab-On-Grade Edge Insulation		0.0		194.0(p)	18.80	3647.2	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:				194.0	3647.2		

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
1718.0 10.21 17540.8				1718.0 10.21 17540.8						
Summer Base Points: 22603.8				Summer As-Built Points: 25234.2						
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
22603.8		0.4266	9642.8	25234.2		1.000	(1.090 x 1.147 x 0.91)	0.341	1.000	9798.4
				25234.2		1.00	1.138	0.341	1.000	9798.4

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Overhang Type/SC Omt Len Hgt Area X SPM X SOF = Points							
.18	1718.0	20.04	6197.2	Double, Clear	N	1.5	7.5	42.0	19.22	0.96	776.1
				Double, Clear	N	9.0	10.0	13.3	19.22	0.73	186.2
				Double, Clear	N	9.0	4.0	9.3	19.22	0.61	110.0
				Double, Clear	N	1.5	5.5	17.5	19.22	0.93	312.2
				Double, Clear	E	1.5	5.5	30.0	40.22	0.90	1081.5
				Double, Clear	S	1.5	5.5	17.5	34.50	0.83	502.4
				Double, Clear	S	1.5	6.5	72.0	34.50	0.88	2177.9
				Double, Clear	SW	1.5	6.5	16.0	38.46	0.90	556.2
				Double, Clear	S	1.5	6.5	36.0	34.50	0.88	1089.0
				Double, Clear	SE	1.5	6.5	16.0	40.86	0.90	589.9
				Double, Clear	W	1.5	6.5	16.0	36.99	0.93	548.7
				Double, Clear	S	1.5	5.5	30.0	34.50	0.83	861.3
				Double, Clear	W	1.5	5.5	20.0	36.99	0.90	663.5
				Double, Clear	W	1.5	5.0	16.0	36.99	0.88	518.1
				As-Built Total: 351.7 9972.9							
WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	197.0	0.70	137.9	Frame, Wood, Adjacent			13.0	197.0		0.60	118.2
Exterior	1554.0	1.70	2641.8	Frame, Wood, Exterior			13.0	1554.0		1.50	2331.0
Base Total: 1751.0 2779.7				As-Built Total: 1751.0 2449.2							
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points							
Adjacent	20.0	2.40	48.0	Exterior Wood				40.0		6.10	244.0
Exterior	40.0	6.10	244.0	Adjacent Wood				20.0		2.40	48.0
Base Total: 60.0 292.0				As-Built Total: 60.0 292.0							
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points							
Under Attic	1718.0	1.73	2972.1	Under Attic			30.0	1718.0	1.73 X 1.00		2972.1
Base Total: 1718.0 2972.1				As-Built Total: 1718.0 2972.1							
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Slab	194.0(p)	-37.0	-7178.0	Slab-On-Grade Edge Insulation			0.0	194.0(p)		-41.20	-7992.8
Raised	0.0	0.00	0.0								
Base Total: -7178.0				As-Built Total: 194.0 -7992.8							

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.2

The higher the score, the more efficient the home.

EWPL INC, Lot: 23, Sub: Rolling Meadows, Plat: , Fort White, FL, 32038-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 30.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	1718 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 30.0 kBtu/hr
b. Clear - double pane	351.7 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 194.0(p) ft	a. Electric Resistance	Cap: 50.0 gallons
b. N/A			EF: 0.88
c. N/A		b. N/A	
9. Wall types		c. Conservation credits	
a. Frame, Wood, Adjacent	R=13.0, 197.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Exterior	R=13.0, 1554.0 ft ²	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, 1718.0 ft ²	RB-Attic radiant barrier,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 115.0 ft		
b. N/A			

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



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

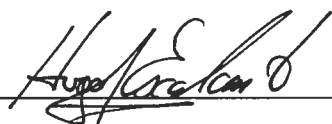
contact the Department of Community Affairs Energy Gauge (Version: FLRCPB v3.2)

Columbia County Building Department Culvert Permit

Culvert Permit No.
000000940

DATE 01/09/2006 PARCEL ID # 15-4S-16-03023-523
APPLICANT HUGO ESCALANTE PHONE 288-8666
ADDRESS 6210 SW CR 18 FT WHITE FL 32038
OWNER LYSIS CASTRO PHONE 288-8666
ADDRESS 124 SW BUTTERCUP DRIVE LAKE CITY FL 32024
CONTRACTOR HUGO ESCALANTE PHONE 288-8666
LOCATION OF PROPERTY 247S, TL ON CALAHAN RD, TL ON HOPE HENRY RD, TR ON MORNING GLORY,
TR ON BUTTERCP DR, CORNER LOT ON LEFT
SUBDIVISION/LOT/BLOCK/PHASE/UNIT ROLLING MEADOWS 23

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
- b) the driveway to be served will be paved or formed with concrete.

Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

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

Amount Paid 25.00



This instrument prepared by:
William J. Haley, Esquire
Brannon, Brown,
Haley & Bullock, P. A.
P. O. Box 1029
Lake City, FL 32056-1029

Inst:2005026509 Date:10/25/2005 Time:10:47

Doc Stamp-Deed : 177.80

SMK DC, P. DeWitt Cason, Columbia County B:1062 P:2426

SPECIAL WARRANTY DEED

THIS INDENTURE, made this 21st day of October, 2005, between **RML HOLDINGS, INC., a Florida corporation**, having a mailing address of 703 NW Blackberry Circle, Lake City, Florida 32055, hereinafter referred to as Grantor, and **LYSIS CASTRO**, having a mailing address of P.O. Box 280, Ft. White, Florida 32038, hereinafter referred to as Grantee.

WITNESSETH: That said Grantor, for and in consideration of the sum of \$10.00 and other good and valuable considerations to said Grantor in hand paid by said Grantee, the receipt and sufficiency of which are hereby acknowledged, have granted, bargained and sold to the said Grantee, and Grantee's successors and assigns forever, the following described land, situate, lying and being in **Columbia County, Florida**, to-wit:

Lot 23, **ROLLING MEADOWS**, a subdivision according to the plat thereof, as recorded in Plat Book 8, pages 45 and 46, public records of Columbia County, Florida.

PARCEL NO. Part of 15-4S-16-03023-005

SUBJECT TO: Taxes and special assessments for the year 2005 and subsequent years; restrictions, reservations, rights of way for public roads, easements of record, if any; and zoning and any other governmental restrictions regulating the use of the lands.

and said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons claiming by, through or under said Grantor.

IN WITNESS WHEREOF, Grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

William J. Haley
Print Name: William J. Haley

Debbie G. Moore
Print Name: Debbie G. Moore

RML HOLDINGS, INC., a Florida
corporation

By: Robert R. Lardizabal
Robert R. Lardizabal
President

**STATE OF FLORIDA
COUNTY OF COLUMBIA**

The foregoing instrument was acknowledged before me this 21st day of October, 2005,
by Robert R. Lardizabal, as President of RML Holdings, Inc., a Florida corporation, on behalf of
said corporation, who is personally known to me.

Debbie G. Moore
Notary Public, State of Florida



Inst:2005026509 Date:10/25/2005 Time:10:47
Doc Stamp-Deed : 177.80
DC,P.DeWitt Cason,Columbia County B:1062 P:2427

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

0512-46

Reference to: Build permit application Number:

**Hugo Escalante Owner Lysis Castro lot 23 Rolling Meadows
Subdivision**

On the date of December 22, 2005 application 0512-46 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 0512-46 when making
reference to this application.**

1. Please have Mr. Mark Disosway supply the following information, show all required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation, shall be designed by a Windload engineer using the engineered roof truss plans.
2. Please submit a letter form the potable water well contractor which will describe the equipment to be used to supply potable water to this dwelling. Include the size of pump motor, size of pressure tank and cycle stop valve if used.

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

Thank you,



Joe Haltiwanger

Plan Examiner

Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

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

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

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

Plans Examiner

□

Wind-load Engineering Summary, calculations and any details required

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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)
- 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 FI. 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

City Water

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:

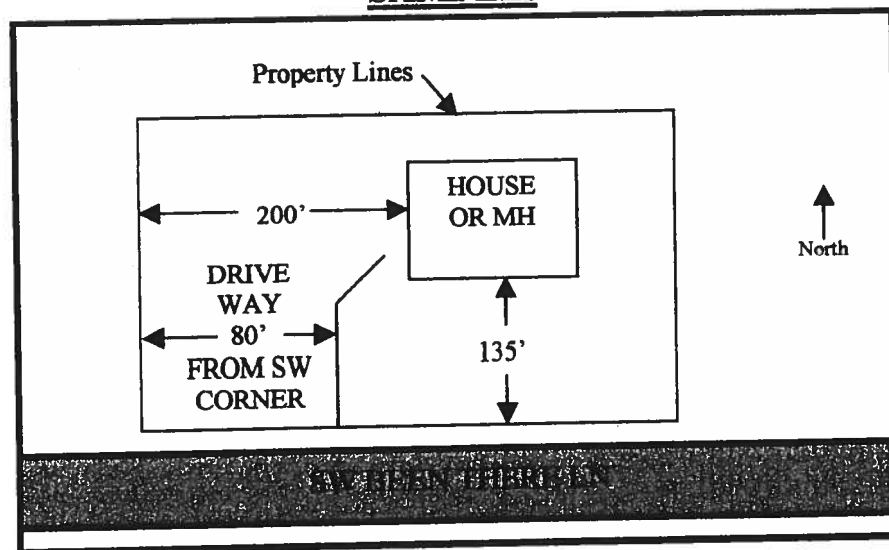
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

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.

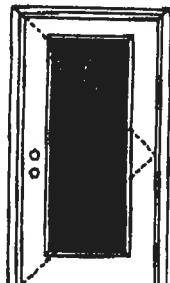
X

Glazed Inswing Unit

COP WL EN4141-02

WOOD-EDGE STEEL 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 6'8".



Test Data Review Certificate #2078447C and COP/Int Report Validation Matrix #2028447C-001 provides additional information - available from the ITS/WHI website (www.itswhi.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Single Door
Maximum unit size = 3'0" x 6'8"

Design Pressure

+50.5/-50.5

(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 action required.

MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed - see MAD-WL-MA0001-02 and MAD-WL-MAD041-02.

MINIMUM INSTALLATION DETAIL:

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

APPROVED DOOR STYLES:

1/4 GLASS:



100 Series



133, 133 Series



136 Series



680 Series



822 Series

1/2 GLASS:



105 Series*



108, 140 Series*



120 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.

Entergy
Entry Systems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.



Exclusively from

Masonite
Masonite International Corporation

X
Glazed Inswing Unit

COP WL FN4141-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



450 Series

FULL GLASS:



100 Series

114, 180, 102
Series

152 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1897-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" 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 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



Test Data Review Certificate #0029447C
and COP/Unit Report Validation Matrix
#0029447C-001 provide additional
information - available from the IFB/WH
website (www.ifbwh.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Entergy
Entry Systems

June 17, 2002

Our continuing program of product improvement makes specifications, design and product
subject subject to change without notice.



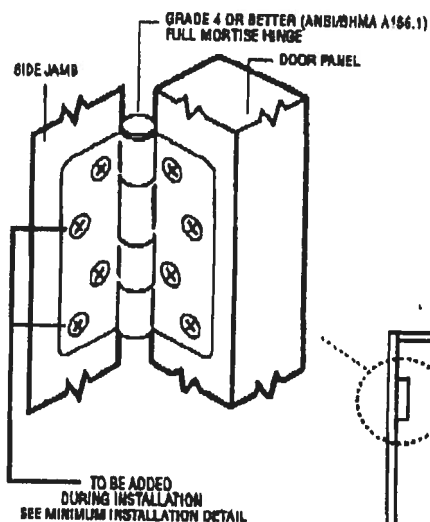
Exclusively from
Masonite
Masonite International Corporation

X
Unit

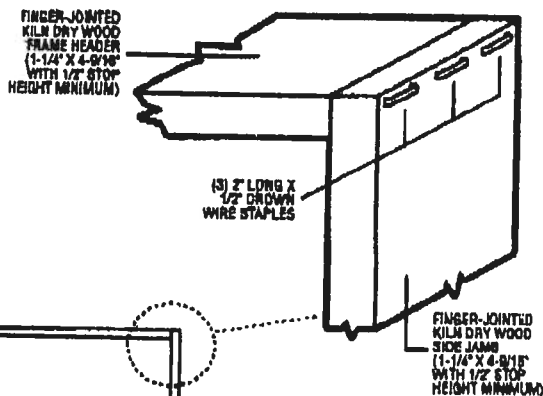
WAD-WI-MA0001-02

INSWING UNIT WITH SINGLE DOOR

TYPICAL HINGE ATTACHMENT



TYPICAL HEADER & SIDE JAMB ATTACHMENT



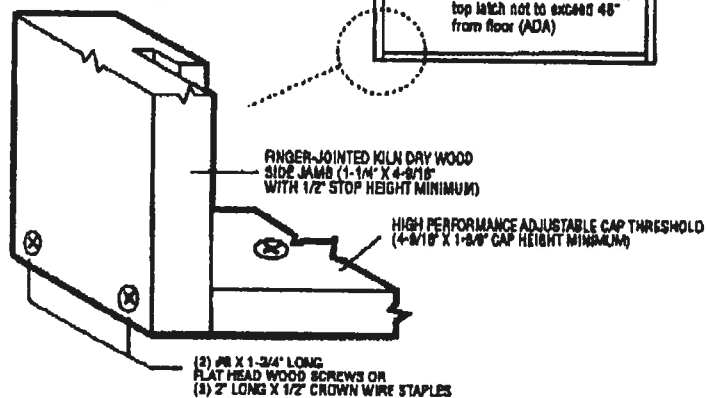
- (3) FOR 7'0\"/>

Labeling Requirements

- 6'0\"/>
 - Compliance requires double bore with 8-1/2\"/>

8'0\"/>
 - Compliance requires double bore with 10-1/2\"/>

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Test Data Review Certificate
#3028447A; #3028447B; #3028447C
and COP/Test Report Validation Matrix
#3028447A-001, 002, 003, 004;
#3028447B-001, 002, 003, 004;
#3028447C-001, 002, 003, 004
provides additional information
available from the ITS/WHI website
(www.edsamko.com), the Masonite
website (www.masonite.com) or the
Masonite technical center.

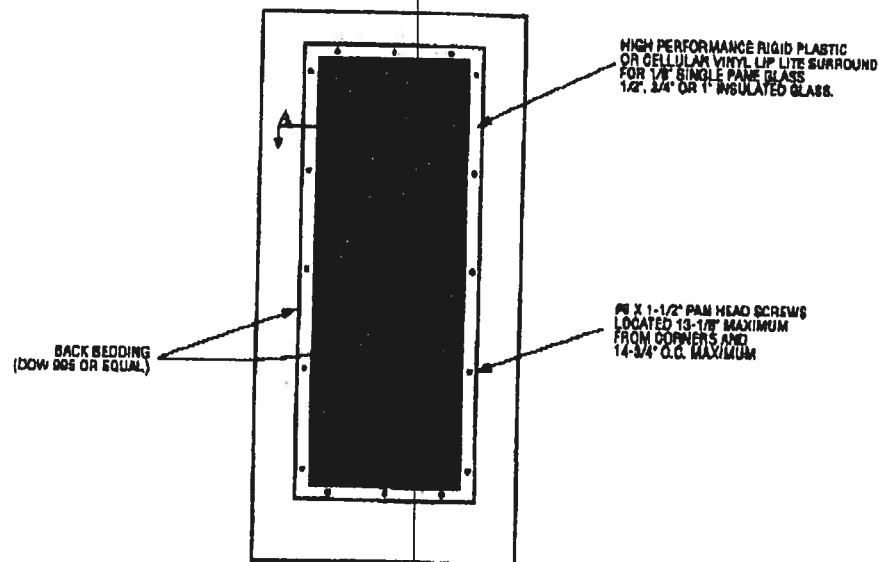
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October 14, 2003
Our continuing program of product improvement makes specifications,
drawings and product subject to change without notice.

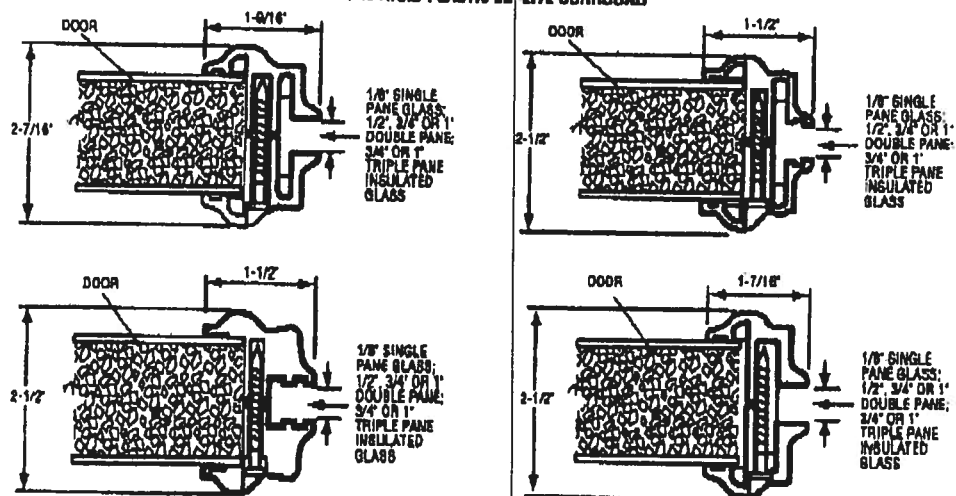
Masonite

MAD-WL-MA0041-02

GLASS INSERT IN DOOR OR SIDELITE PANEL



SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



*Glass Inserts to be sub-listed by Intertek Testing Services/ETL Sanjko or approved validation service.



Test Data Review Certificate #3028447A; #3028447B; #3028447C and COP/TEI Report Validation Matrix #3028447A-001, 002, 003; #3028447B-001, 002, 003; #3028447C-001, 002, 003 provide additional information - available from the ITS/WH website (www.etsamks.com), the Masonite website (www.masonite.com) or the Masonite technical center.

JUNE 17, 2002

Our continuing program of product improvement makes a posthumous design and product detail analysis to change without notice.

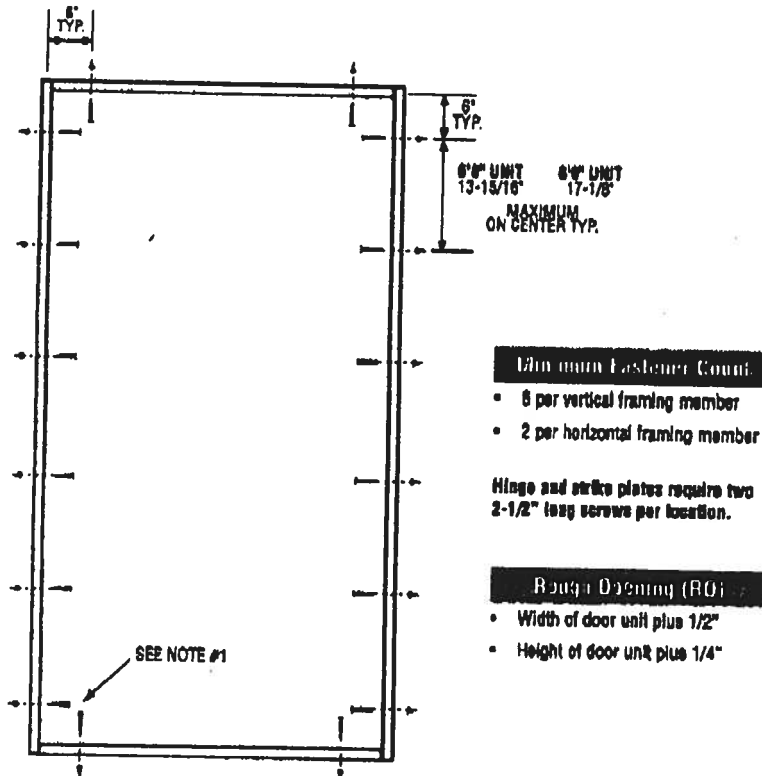


Exclusively from
Masonite
Masonite International Corporation

X
Unit

MID-WL-MIA0001-02

SINGLE DOOR



Masonite Heavy Test Data Review Certificate #3028447A; #3028447B; #3028447C and COP/Retest Report Validation Matrix #3028447A-001, 002, 003, 004; #3028447B-001, 002, 003, 004; #3028447C-001, 002, 003, 004 provides additional information - available from the ITW/WHI website (www.masonite.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0248*, 0255*, 3248*, 3251* or 3255**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.18) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/APA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

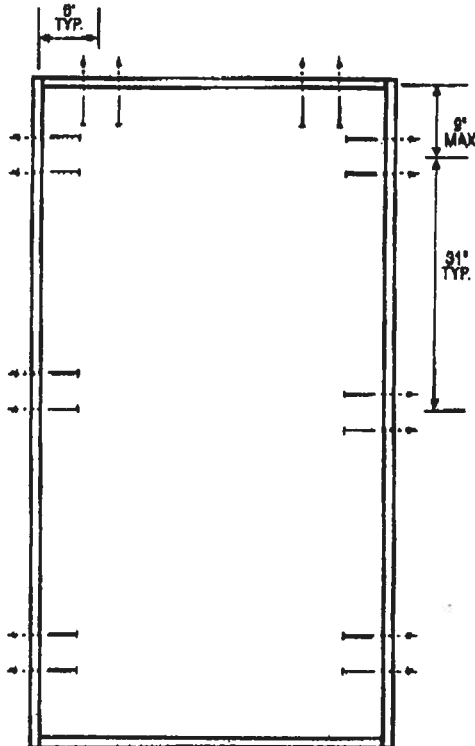
March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

X
Unit

MID-WL-MA0001-02

SINGLE DOOR



Minimum Fastener Count

- 8 per vertical framing member for 7'0\" height and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 4 per horizontal framing member

Hinge and strike plates require two 2-1/2\" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"



Test Data Review Certificate #3028447A, #3028447B, #3028447C and COP/Test Report Validation Matrix #3028447A-001, 002, 003, 004; #3028447B-001, 002, 003, 004; #3028447C-001, 002, 003, 004 provides additional information - available from the ITB/WH website (www.itbwh.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0240\", 0285\", 3241\", 3245, 3281\" or 3285**
Compliance requires that 8\" GRADE 1 (ANSI/BHMA A156.18) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The common nail single shear design values come from ANSI/AP & PA NDS for southern pine lumber with a side member thickness of 1-1/4\" and achievement of minimum embedment of 1-1/4\".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 10, 2003
Our continuing program of product improvement makes adaptations, changes and product recall subject to change without notice.

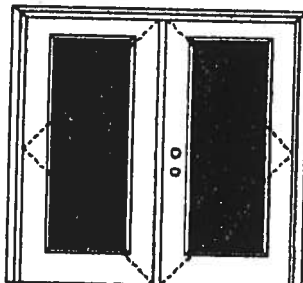
Masonite

XX
Glazed Outswing Unit

COP-W1-FN4162 02

WOOD-EDGE STEEL DOORS

APPROVED ARRANGEMENT:



Test Data Review Certificate #2025447C
and COP/W1 Report Validation Matrix
#2025447C-001 provide additional
information - available from the IIS/WH
website (www.iiswh.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Notes:

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
+50.5/-50.5

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 action 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



130 Series



680 Series



622 Series

1/2 GLASS:



105 Series*



106, 140 Series*



129 Series*



200 Series*



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



167 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.

Entergy
Entry Systems

June 17, 2002

Our continuing program of product improvements makes specifications, design and product
drawn subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

XX
Glazed Outswing Unit

COP-WI-FN4162-02

WOOD-EDGE STEEL DOORS

APPROVED DOOR STYLES:

3/4 GLASS:



404 Series



410 Series



430 Series

FULL GLASS:



100 Series

110, 120, 122
Series

130 Series



140 Series



300 Series

CERTIFIED TEST REPORTS:

NCTL 210-1887-7, 8, 9

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

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.032" steel. Bottom end rails constructed of 0.032" 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



Test Data Review Certificate #2028447C
and COP/Test Report Validation Matrix
#2028447C-001 (provide additional
information - available from the ITSAWH
website (www.itswah.com), the
Masonite website (www.masonite.com)
or the Masonite technical center.

Entergy
Entry Systems

June 17, 2003
Our continuing program of product improvement makes specifications, designs and product
detail subject to change without notice.



Exclusively from

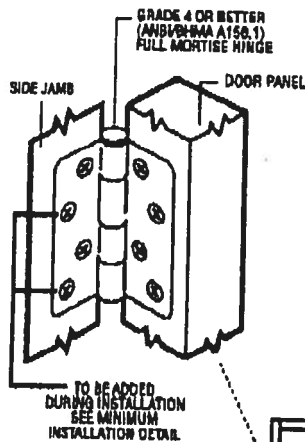
Masonite International Corporation

XX
Unit

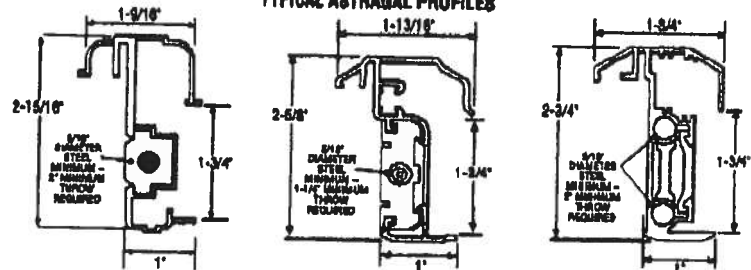
MAD-WL-MA0012-02

OUTSWING UNITS WITH DOUBLE DOOR

TYPICAL HINGE ATTACHMENT



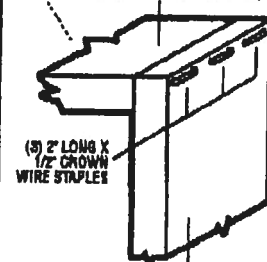
TYPICAL ASTRAGAL PROFILES



ALUMINUM EXTRUDED ASTRAGAL (0.08" MINIMUM WALL THICKNESS) WITH ADDED REINFORCEMENT INSERTS AT TOP EXTENSION BOLT, BOTTOM EXTENSION BOLT AND CYLINDRICAL/DEADBOLT LATCHING LOCATIONS. ATTACH WITH #8 X 1" PAN HEAD SCREWS - LOCATE 1" FROM EACH END MINIMUM AND 22" O.C. MAXIMUM.

TYPICAL HEADER & SIDE JAMB ATTACHMENT

FINGER-JOINTED KILN DRY WOOD
FRAME HEADER (1-1/4" X 4-3/8") WITH 1/2" STOP HEIGHT MINIMUM



FINGER-JOINTED
KILN DRY WOOD
SIDE JAMB
(1-1/2" X 4-3/8"
WITH 1/2" STOP
HEIGHT MINIMUM)

(5) FOR 7'0" HEIGHT
OR SMALLER
(6) FOR HEIGHTS
GREATER THAN 7'0"

Uniting Hardware

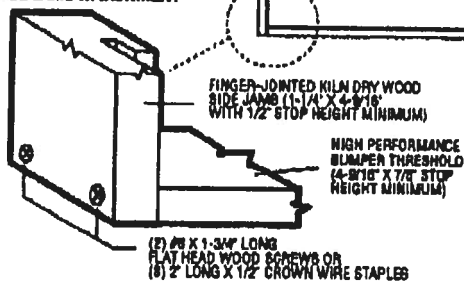
6'8" Unit

• Compliance requires double bore with 5-1/2" centerline, top latch not to exceed 48" from floor (ADA)

8'0" Unit

• Compliance requires double bore with 10-1/2" centerline, top latch not to exceed 48" from floor (ADA)

TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



Warnock Hervey



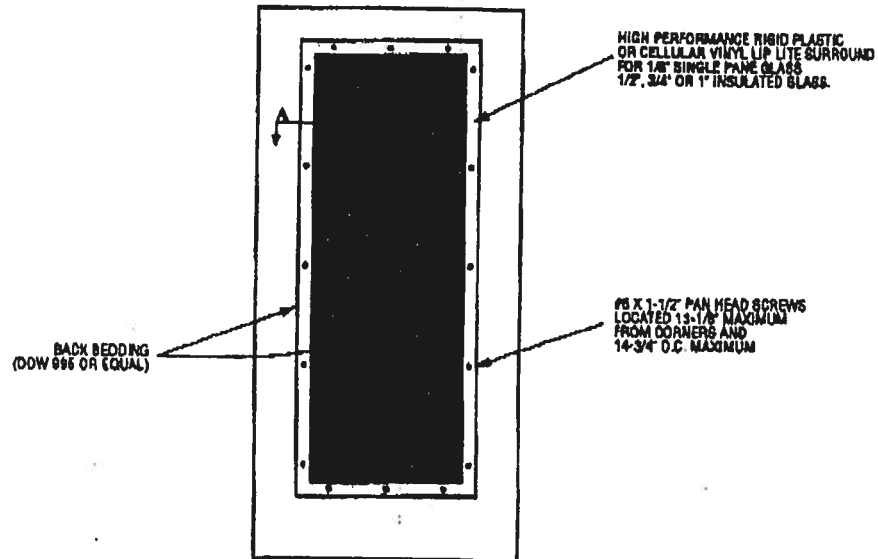
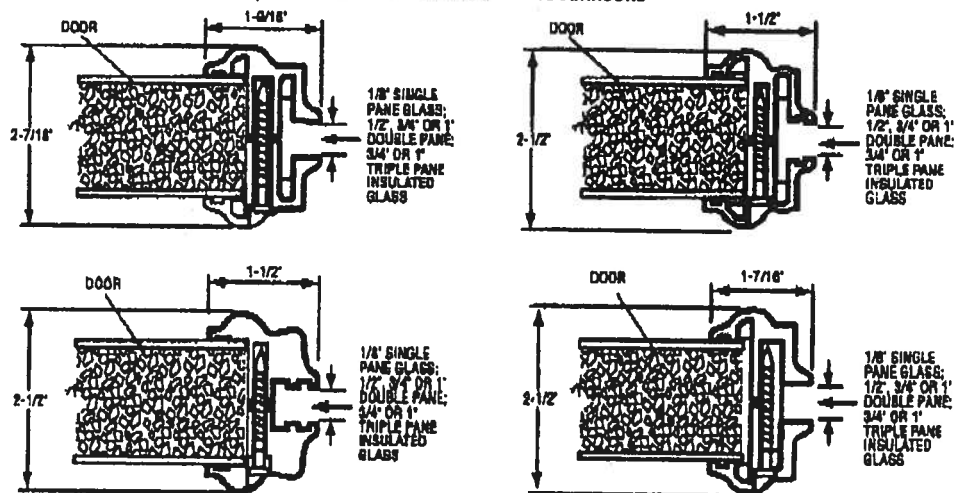
Test Data Review Certificate
#3026447A; #3026447B; #3026447C
and COPY/REPEAT Report Validation Matrix
#3026447A-001, 002, 003, 004;
#3026447B-001, 002, 003, 004;
#3026447C-001, 002, 003, 004
provide additional information
available from the IT3/WH website
(www.stharnick.com), the Warnock
website (www.warnock.com) or the
Warnock technical center.

October 14, 2002

Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite

MAD-WI-MA0041-02

**GLASS INSERT IN DOOR
OR SIDELITE PANEL****SECTION A-A
TYPICAL RIGID PLASTIC LIP LITE SURROUND**

*Glass inserts to be sub-listed by Intertek Testing Services/ETL Semko or approved validation service.



Test Data Review Certificates #3028447A; #3028447B; #3028447C and COP/Test Report Validation
Masonite #3028447A-001, 002, 003; #3028447B-001, 002, 003; #3028447C-001, 002, 003 provide
additional information - available from the IIC/WI website (www.etlsemko.com), the Masonite
website (www.masonite.com) or the Masonite technical center.

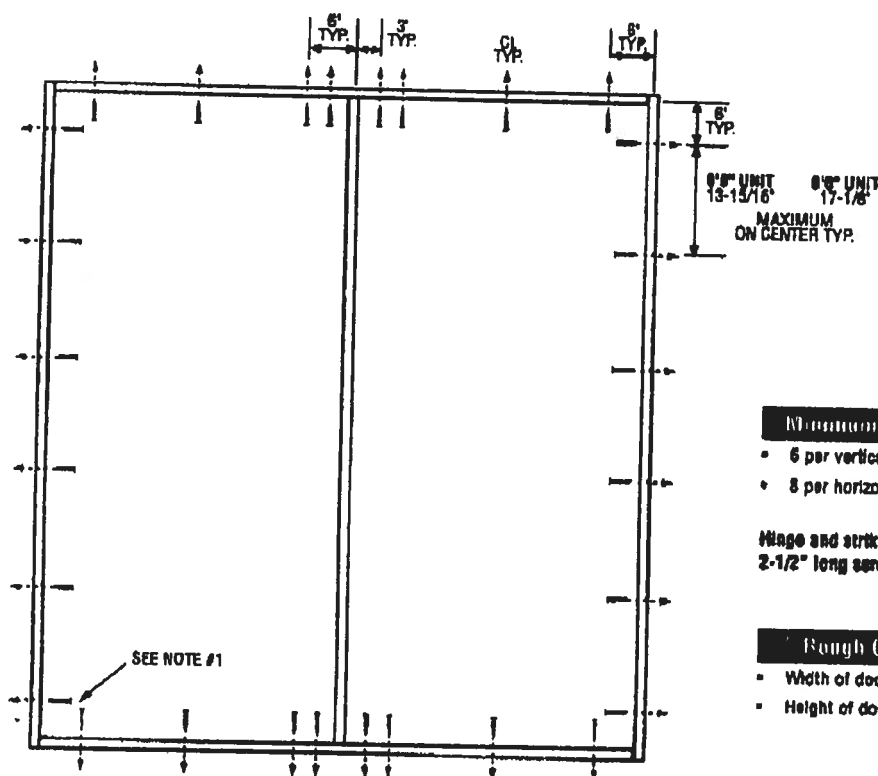
JUNE 17, 2002
Our continuing program of product improvement meets specifications,
design and product detail is subject to change without notice.



Exclusively from
Masonite
Masonite International Corporation

XX
Unit

MID-WL-MA0002-02

DOUBLE DOOR**Minimum Fastener Count**

- 6 per vertical framing member
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"

Watershed Memory Test Data Review Database #3025447A; #3025447B; #3025447C and COP/Est Report Validation Matrix #3025447A-001, 002, 003, 004; #3025447B-001, 002, 003, 004; #3025447C-001, 002, 003, 004 provides additional information - available from the ITW/WH website (www.estimate.com), the Masonite website (www.masonite.com) or the Watershed Technical Center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3247*, 3257*, 3242*, 3247, 3252* or 3257**
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

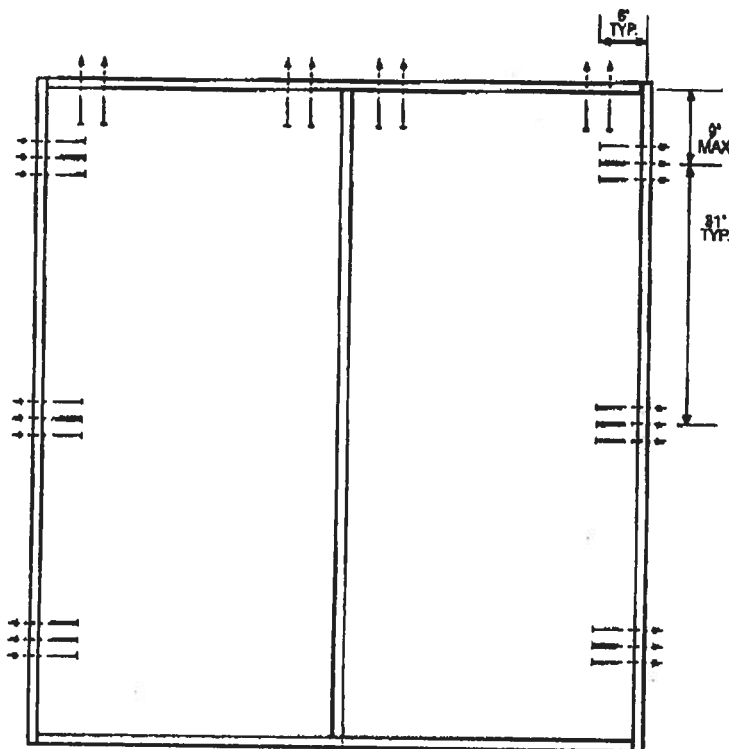
1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons. Threshold fasteners analyzed for this unit include #8 and #10 wood screws, 3/16" Tapcons, or Liquid Nails Builders Choice 490 (or equal structural adhesive).
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 16, 2003
Our continuing program of product improvement makes specifications, designs and product data subject to change without notice.

XX
Unit

MID WL MA0002 U2

DOUBLE DOOR



Minimum Fastener Count

- 6 per vertical framing member for 7'0\" heights and smaller
- 8 per vertical framing member for heights greater than 7'0"
- 8 per horizontal framing member

Hinge and strike plates require two 2-1/2\" long screws per location.

Rough Opening (RO)

- Width of door unit plus 1/2"
- Height of door unit plus 1/4"



This Data Review Certificate #3026447A; #3026447B; #3026447C and COP/Ret Report Validation Number #3026447A-001, 002, 003, 004; #3026447B-001, 002, 003, 004; #3026447C-001, 002, 003, 004 provides additional information - available from the ITB/AAI website (www.steemite.com), the Masonite website (www.masonite.com) or the Masonite technical center.

Latching Hardware:

- Compliance requires that GRADE 3 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 0247*, 0267*, 3242*, 3247, 3282* or 3267**
Compliance requires that 8\" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel - (1) at top and (1) at bottom.

*Based on required Design Pressure - see COP sheet for details.

Notes:

1. Anchor calculations have been carried out with the fastener rating from the different fasteners being considered for use. Jamb and head fasteners analyzed for this unit include #8 wood screws and 10d common nails. Threshold fasteners analyzed for this unit include Liquid Nail Builders Choice 490 (or equal structural adhesive).
2. The wood screw and common nail single shear design values come from ANSI/AF & PA NOS for southern pine lumber with a side member thickness of 1-1/4\" and achievement of minimum embedment of 1-1/4\".
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.

March 10, 2003
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

Masonite



MI Home Products, Inc.
650 West Market St.
P.O. Box 370
Gratz, PA 17030-0370

(717) 365-3300
(717) 362-7025 Fax

740/744 SINGLE HUNG (FIN & FLANGE)
165 SINGLE HUNG (FIN & FLANGE)
BB165/740/744 FIXED (FIN & FLANGE)

- Test Reports
 - 165 Single Hung
 - #CTLA-787W (Fin)
 - #CTLA-787W-1 (Flange)
 - 740/744 Single Hung
 - #01-40351.03 (Fin)
 - #01-40351.04 (Flange)
 - 165/740/744 Fixed
 - #NCTL-310-0005-2.1 (Fin)
 - # NCTL-310-0005-5.1 (Flange)
 - #01-40486.03 (2-Panel Fixed)
- Installation Instructions
- Sample 110/120/140 MPH Labels



**AAMA/NWWDA 101/LS.2-97
TEST REPORT SUMMARY**

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 740/744

TYPE: Aluminum Single Hung Window with Nail Fin

Title of Test	Results
Rating	H R45 52 x 72
Overall Design Pressure	45 psf
Operating Force	24 lb max.
Air Infiltration	0.10 cfm/ft ²
Water Resistance	6.75 psf
Structural Test Pressure	+67.5 psf -70.8 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

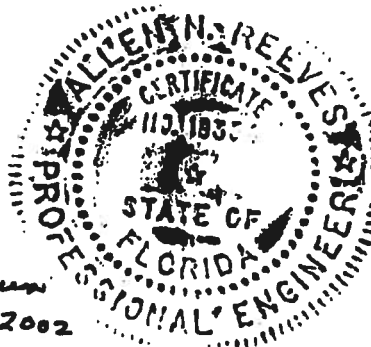
Reference should be made to Report No. 01-40351.03 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.


Mark A. Hess, Technician

MAH:baw

Allen N. Reeves
15 FEBRUARY 2002



THIS FENESTRATION PRODUCT COMPLIES* WITH THE

NEW FLORIDA BUILDING CODE

FOR RESIDENTIAL BUILDINGS WITH A MEAN ROOF HEIGHT OF 30 FT. OR LESS,
EXPOSURE "B" (WHICH IS INLAND OF A LINE THAT IS 1500 FT. FROM THE COAST),
AND **WALL ZONE "5"** (INSTALLED NEAR THE CORNER OF THE BUILDING).

PER *ASTM E1300*, THE CORRECT GLASS THICKNESS, BASED ON THE *NEGATIVE*
DESIGN PRESSURE (DP) LISTED BELOW, HAS BEEN INSTALLED IN THIS UNIT.
THE GLASS THICKNESS IS BASED ON ITS' WIDTH, HEIGHT, AND ASPECT RATIO.

Series 470HP SLIDING GLASS DOOR – all 6'- 8" High Panels

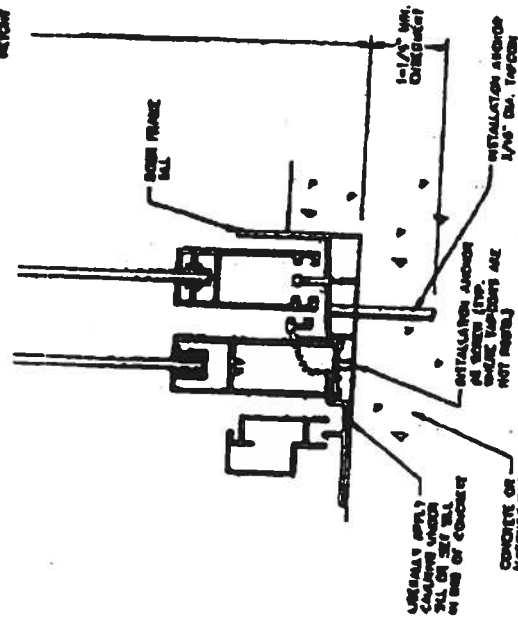
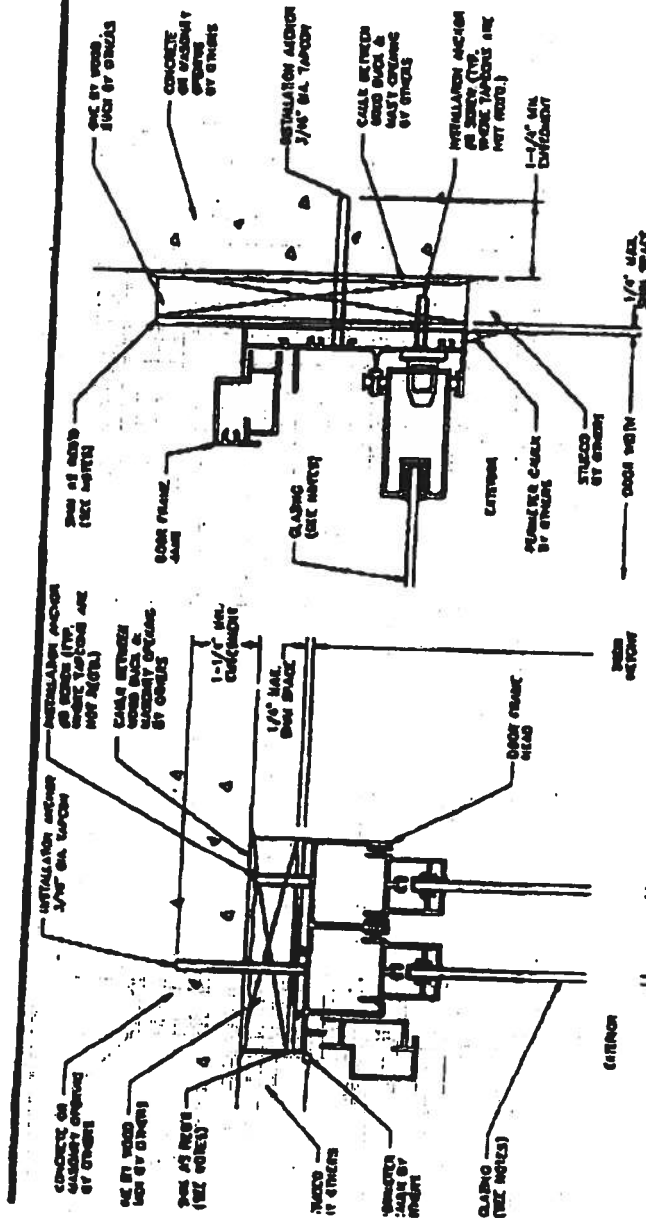
- | | |
|---------------|--------------------|
| • 2'- 6" WIDE | DP + 40.0 / - 55.4 |
| • 3'- 0" WIDE | DP + 40.0 / - 48.5 |
| • 4'- 0" WIDE | DP + 40.0 / - 40.3 |

THIS PRODUCT MEETS THE REQUIREMENTS FOR STRUCTURAL LOADS, WATER AND
AIR INFILTRATION PER ATTACHED *AAMA* PERFORMANCE LABEL. BE ADVISED THAT
IF LOADS ARE PLACED UP TO OR EXCEEDING THE TESTED LEVELS, THIS PRODUCT
MAY BE ALTERED IN SUCH A WAY THAT FUTURE PERFORMANCE WILL BE REDUCED.

* COMPLIANCE MUST INCLUDE INSTALLATION ACCORDING TO
MANUFACTURER'S INSTRUCTIONS AND FLORIDA CODE REQUIREMENTS.

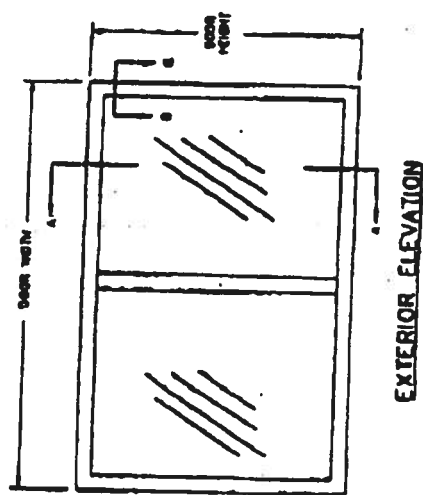
MIP-686

TAPCON INSTALLATION CHART									
CALL SIZE	DOOR SIZE	SPACING TO WALL (IN.)							
		16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 6"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 8"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 10"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 12"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 14"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 16"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 18"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 20"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 22"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 24"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 26"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 28"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 30"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 32"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 34"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 36"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 38"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
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1/2" x 44"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 46"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 48"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 50"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 52"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 54"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 56"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 58"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 60"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 62"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 64"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 66"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 68"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 70"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 72"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 74"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 76"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 78"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 80"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 82"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 84"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 86"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 88"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 90"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 92"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 94"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 96"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 98"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"
1/2" x 100"	36" x 80"	16"	20"	24"	28"	32"	36"	40"	48"



NOTES:

1. TAPCON ANCHORS MUST BE USED TO ATTACH DOOR FRAME TO CONCRETE OR MASONRY.
2. TAPCON ANCHORS MUST BE USED TO ATTACH DOOR FRAME TO CONCRETE OR MASONRY.
3. TAPCON ANCHORS MUST BE USED TO ATTACH DOOR FRAME TO CONCRETE OR MASONRY.
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19. TAPCON ANCHORS MUST BE USED TO ATTACH DOOR FRAME TO CONCRETE OR MASONRY.
20. TAPCON ANCHORS MUST BE USED TO ATTACH DOOR FRAME TO CONCRETE OR MASONRY.



MI HOME PRODUCTS
GRATZ, PA.

MODEL: SERIES 470 SLIDING GLASS DOOR
 INSTALLATION WITH TAPCONS

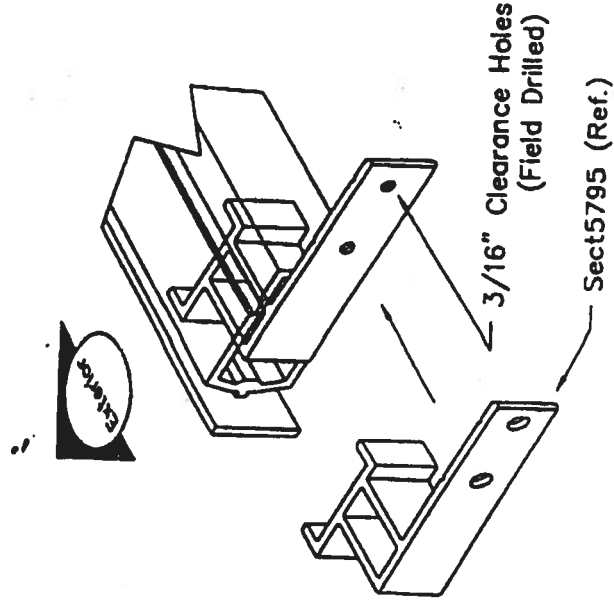
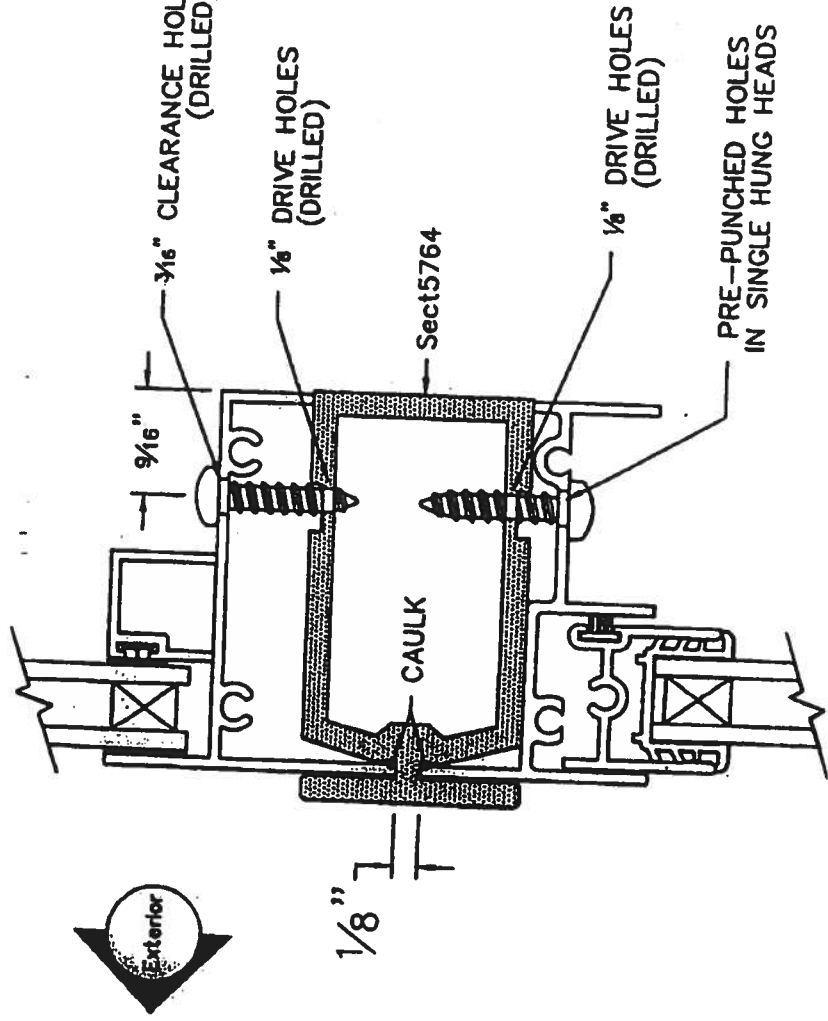
DATE: 1/20/02
 DRAWN BY: N.T.S.
 CHECKED BY: N.T.S.
 APPROVED BY: N.T.S.

PROJECT: 47182

Series V83 HORIZONTAL MULLION for SINGLE UNITS - Florida Flange

165 & 740/744

- NOTE: LENGTHS FOR STANDARD WIDTH UNITS ARE 19 1/8", 26 1/2", 37", AND 53 1/8".
- Step 1.** Position horizontal mull on top of lower unit as shown below. With 1/8" drill, drill up through pre-punched holes in the single hung heads into the mull. Before attaching with #8 x 3/4" screws (not included), run a full length bead of caulk in area shown.
- Step 2.** Position top unit on top of mull and drill 1/8" holes, in position shown, on same centers as lower unit. With 3/16" drill, re-drill holes in sill only and fasten with screws.
- Step 3.** Before lifting into rough opening. Drill two holes in each clip #SECT5795 and insert into each end of mull as shown below with tab pointing to inside. Fasten each clip tab to construction with two #10 x 1 1/2" screws for structural integrity.





DOCUMENT CONTROL ADDENDUM #01-40351.00

Current Issue Date: 02/15/02

Report No.: 01-40351.01

Requested by: William Emley, MI Home Products, Inc.
Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 744 aluminum single hung window with flange.
Issued Date: 12/28/01
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-40351.02

Requested by: William Emley, MI Home Products, Inc.
Purpose: Change of glass type.
Issued Date: 12/28/01
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.

Report No.: 01-40351.03

Requested by: William Emley, MI Home Products, Inc.
Purpose: AAMA/NWWDA 101/I.S.2-97 testing of Series/Model 740/744 aluminum single hung window with nail fin.
Issued Date: 02/15/02
Comments: Florida P.E. seal required on report.
Certification copy to John Smith at Associated Laboratories, Inc.



Allen N. Reeves
15 FEBRUARY 2002

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.8	Forced Entry Resistance per ASTM F 588-97		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Test A1 thru A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance


4.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meting rail) (Loads were held for 52 seconds)		
	@ 45.0 psf (positive)	0.91"	0.29" max.
	@ 45.0 psf (negative)	0.97"	0.29" max.

* Exceeds L/175 for deflection, but meets all other test requirements.


4.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads held for 10 seconds)		
	@ 67.5 psf (positive)	0.14"	0.20" max.
	@ 67.5 psf (negative)	0.19"	0.20" max.
4.4.2	@ 70.8 psf (negative)	0.20"	0.20" max.

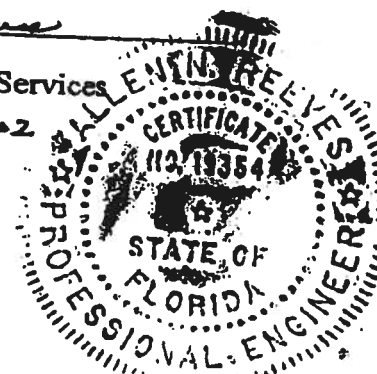
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:


Mark A. Hess
Technician

MAH:baw
01-40351.03


Allen N. Reeves, P.E.
Director - Engineering Services
15 FEBRUARY 2002





Test Specimen Description: (Continued)

Drainage: Sloped sill.

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.2.1.6.1	Operating Force	24 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283) @ 1.57 psf (25 mph)	0.10 cfm/ft ²	0.30 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance (ASTM E 547-96) (with and without screen) WTP = 6.75 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 52 seconds) @ 15.0 psf (positive) @ 15.0 psf (negative)	0.86"* 0.81"*	0.29" max. 0.29" max.
<i>Note: * Exceeds L/175 for deflection, but meets all other test requirements.</i>			
2.1.4.2	Uniform Load Structural per ASTM E 330 (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 22.5 psf (positive) @ 22.5 psf (negative)	0.01" <0.01"	0.20" max. 0.20" max.
2.2.1.6.2	Deglazing Test per ASTM E 987 In operating direction at 70 lbs		
	Top rail	0.06"/12%	0.50"/100%
	Bottom rail	0.06"/12%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.03"/6%	
	Right stile	0.03"/6%	

Allen H. Renna
15 FEBRUARY 2002





Test Specimen Description: (Continued)

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.330" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail interlock
0.170" high by 0.187" backed polypile with center fin	1 Row	Fixed lite, stiles and top rail
3/8" diameter hollow bulb gasket	1 Row	Bottom rail
0.310" high by 0.187" backed polypile with center fin	1 Row	Active sash stiles
0.150" high by 0.187" wide polypile	1 Row	Active sash stiles

Frame Construction: All frame members were constructed of extruded aluminum with coped, butted and sealed corners fastened with two screws each. Fixed meeting rail was secured utilizing one screw in each end directly through exterior face into jamb. Silicone was utilized around exterior meeting rail/jamb joinery.

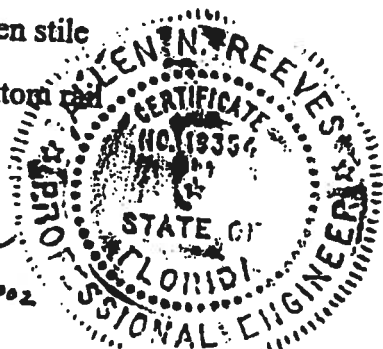
Sash Construction: All sash members were constructed of extruded aluminum with coped and butted corners fastened with one screw each.

Screen Construction: The screen frame was constructed from roll-formed aluminum members with plastic keyed corners. The screening consisted of a fiberglass mesh and was secured with a flexible vinyl spline.

Hardware:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latch	2	One each end of the interior Meeting rail
Metal sweep lock	2	13" from meeting rail ends
Balance assembly	2	One per jamb
Screen tension spring	2	One per end of screen stile
Tilt pin	2	One each end of bottom rail

Allen N. Reeves
15 FEBRUARY 2002





Architectural Testing

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

Rendered to:

MI HOME PRODUCTS, INC.
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-40351.03
Test Dates: 10/22/01
And: 10/23/01
Report Date: 02/15/02
Expiration Date: 10/23/05

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to witness performance testing on a Series/Model 740/744, aluminum single hung window at MI Home Products, Inc.'s test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for a H-R45 52 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: 740/744

Type: Aluminum Single Hung Window With Nail Fin

Overall Size: 4' 4-1/8" wide by 5' 11-5/8" high

Active Sash Size: 4' 2-3/4" wide by 2' 11-5/8" high

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

Screen Size: 4' 1-7/8" wide by 2' 11-5/16" high

Finish: All aluminum was polished.

Glazing Details: The active sash and fixed lite were glazed with one sheet of 1/8" thick clear tempered glass. Each sash was channel glazed using a flexible vinyl gasket.

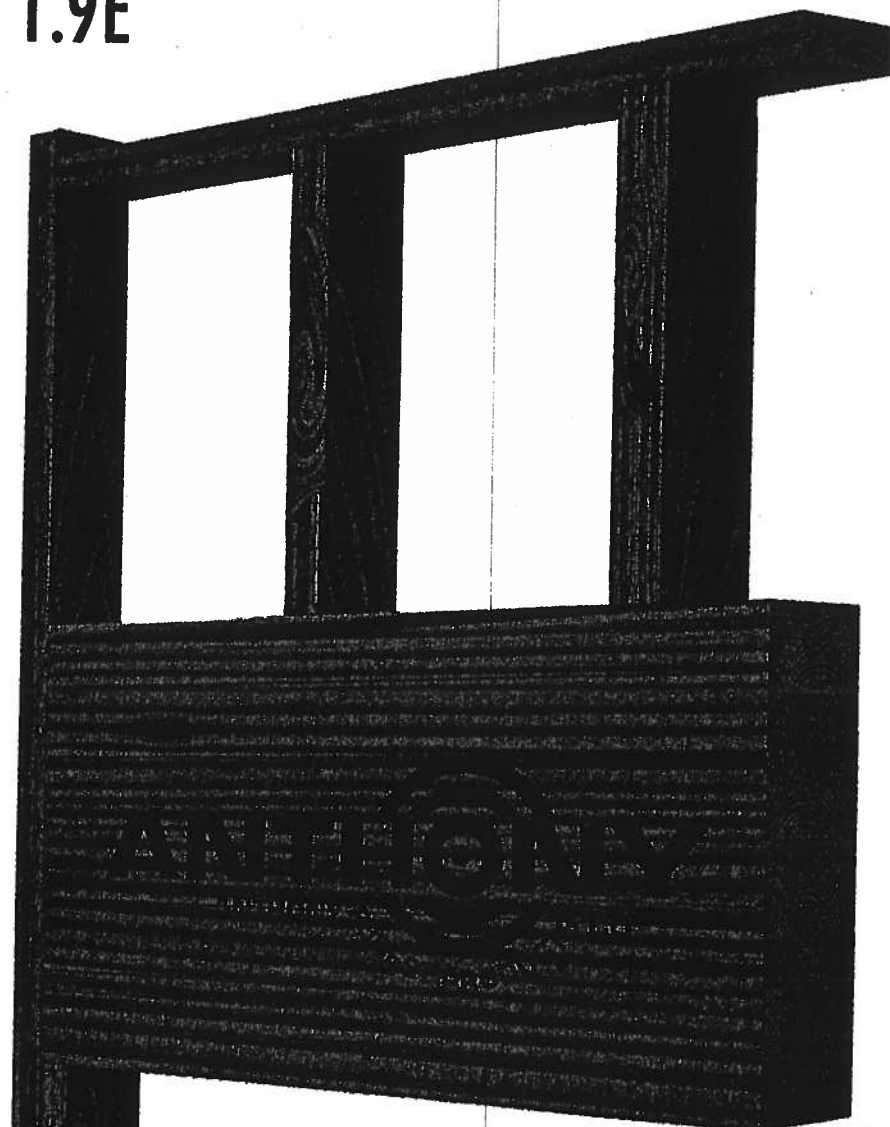
130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.testatl.com



Allen H. Reeves

Anthony POWER HEADER®

2600F_b - 1.9E



Anthony POWER HEADER® Advantages

- ◆ Less Expensive than LVL or PSL
- ◆ Cambered or Non-cambered
- ◆ Lighter than Steel, LVL or PSL
- ◆ 3-1/2" Width to Match Framing
- ◆ Pre-Cut Lengths
- ◆ One Piece - No Nail Laminating
- ◆ Renewable Resource
- ◆ Lifetime Warranty

**Garage Header
Sizing Tables**

ANTHONY®
ANTHONY FOREST PRODUCTS CO.

Anthony POWER HEADER®

26F_b - 1.9E

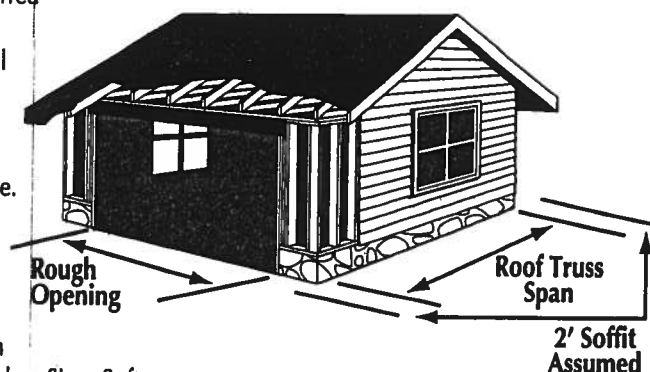
3-1/2" WIDTH GARAGE HEADER APPLICATION - SINGLE STORY HEADER SUPPORTING: 1/2 ROOF SPAN

9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"		
8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	16-3/4
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	9-3/4	15-3/8	
8-3/8	12-5/8	14	8-3/8	12-5/8	15-3/8	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8		9-3/4		
8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	16-3/4	9-3/4	15-3/8		9-3/4		
8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4		
8-3/8	14	15-3/8	8-3/8	15-3/8		8-3/8	15-3/8		9-3/4			9-3/4			11-1/4		
8-3/8	14	16-3/4	8-3/8	15-3/8		9-3/4	15-3/8		9-3/4			9-3/4			11-1/4		

9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"			9'-3" 16'-3" 18'-3"		
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14
8-3/8	11-1/4	12-5/8	8-3/8	11-1/4	12-5/8	8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	12-5/8	14
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8-3/8	12-5/8	14	8-3/8	12-5/8	14	8-3/8	14	15-3/8	8-3/8	14	15-3/8	8-3/8	15-3/8	

NOTES:

1. Table assumes a simple span header supporting a uniform load transferred from 1/2 the roof span plus a 2' soffit.
2. Roof live and dead loads shown are applied vertically to the horizontal projection. No reductions in roof live loads or snow loads were considered. The header weight is accounted for in the table.
3. Deflection is limited to L/240 for live load and L/180 for total load.
4. Headers are assumed to have continuous lateral support along top edge.
5. Bearing length based on full width bearing is indicated as follows:
Non-shaded sizes require two trimmers (3" bearing).
Shaded sizes require three trimmers (4.5" bearing).
Shaded & outlined sizes require four trimmers (6" bearing).
6. ** Applications where load carrying capacity of 16-3/4" depth has been exceeded. See AFP 30F_b POWER BEAM® literature or AFP's WoodWorks - Sizer Software.



3-1/2" WIDTH GARAGE HEADER PLF CAPACITY

GARAGE HEADER SUPPORTING ROOF LOADS ONLY (125% NON-SNOW vs. 115% SNOW) - 100% LOAD DURATION											
844	896	1216		1573							
161	207	254	330	390	510	552	669	752	824		
114	145	180	231	277	359	391	510	534	653	707	789

GARAGE HEADER SUPPORTING ROOF, WALL AND FLOOR LOADS - 100% LOAD DURATION											
844	975	1322									
161	207	254	330	390	510	552	724	752	897		
114	145	180	231	277	359	391	510	534	699	693	

GARAGE HEADER SUPPORTING ROOF, WALL AND FLOOR LOADS - 100% LOAD DURATION													
562	778	888	1056	1363	1367		1582						
107	153	169	245	260	380	368	540	501	715	664	864	840	
76	107	120	171	185	267	261	380	356	521	471	684	609	813

NOTES:

1. Values shown are the maximum uniform loads in pounds per lineal foot (PLF) that can be applied to the header. Header weight has been subtracted from the allowable total load.
2. Tables are based on simple span uniform load conditions using a design span equal to the center-to-center of bearing. Non-shaded areas are based on 3" of bearing at each support, shaded areas on 4.5" of bearing, and shaded & outlined areas on 6" of bearing at supports.
3. Headers are assumed to be loaded on the top edge with continuous lateral support along compression edge.
4. When no live load is listed, total load controls.
5. Deflection limits are listed within the PLF table heading.

GARAGE HEADER SIZING USING PLF TABLES:

To size a garage header supporting roof only, determine the total load & live load in pounds per lineal foot (PLF). Check the appropriate PLF table for a header supporting roof loads only (125% Non-Snow vs. 115% Snow) and select a member with a total load and live load capacity which meets or exceeds the design load for the rough opening size. For a garage header supporting roof, wall, and floor framing, determine the total load and live load in pounds per lineal foot (PLF). Select a header size from the roof, wall, and floor table (100% load duration) which has a total load and live load capacity equal to or greater than the design load for the appropriate rough opening.

Anthony POWER HEADER®

26F_b - 1.9E

ENGINEERED WOOD SECTION PROPERTIES AND LOAD CAPACITIES

ALLOWABLE DESIGN STRESSES (PSI):

FLEXURAL STRESS (F_b) =	2600
COMPRESSION PERP. TO GRAIN ($F_{c\perp}$) =	740
HORIZONTAL SHEAR (F_v) =	225
MODULUS OF ELASTICITY (MOE) =	1.9×10^6

Span (feet)	7.7	9.0	10.4	11.7	12.9	14.2	15.5
Weight (lb/ft)	326	514	789	1115	1521	2014	2604
Moment Capacity (ft-lb)	8865	12015	15996	20145	24772	29877	35460
Reaction Capacity (lb)	3908	4550	5250	5892	6533	7175	7817

NOTES:

1. Beam weights are based on 38 pcf.
2. Moment capacities are based on a span of 21 feet and must be modified for other spans.
3. Flexural Stress, F_b , shall be modified by the Volume Factor, C_v , as outlined in AITC 117 - Design 1993 and the NDS for Wood Construction 1997.
4. Allowable design properties and load capacities are based on a load duration of 100 percent and dry use conditions.
5. The AITC NER 466 was used in calculating the above allowable design stresses for POWER HEADER®.

GARAGE HEADER COMPARISONS

Weight (lb/ft)	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"***
810 / 540	3-1/2" x 8-3/8"	3-1/2" x 9-5/8"	3-1/2" x 9"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"***
990 / 720	3-1/2" x 9-3/4"	3-1/2" x 9-5/8"	3-1/2" x 10-1/2"	3-1/2" x 9-1/4"	3-1/2" x 11-1/4"***
640 / 400	3-1/2" x 12-5/8"	3-1/2" x 13-3/4"	3-1/2" x 13-1/2"	3-1/2" x 14"	3-1/2" x 14"
765 / 510	3-1/2" x 14"	3-1/2" x 15-1/8"	3-1/2" x 15"	3-1/2" x 14"	3-1/2" x 16"
750 / 480	3-1/2" x 15-3/8"	3-1/2" x 16-1/2"	3-1/2" x 16-1/2"	3-1/2" x 16"	3-1/2" x 18"
900 / 600	3-1/2" x 16-3/4"	3-1/2" x 17-7/8"	3-1/2" x 18"	3-1/2" x 16"	-----

For more information on POWER HEADER®,
or other laminated structural products from
Anthony Forest Products Company please call
1-800-221-2326 or FAX at 870-862-6502.

POWER HEADER® is a trademark of

Anthony Forest Products Company

Post Office Box 1877 • El Dorado, Arkansas 71731

Internet address: [http:// www.anthonyforest.com](http://www.anthonyforest.com)

e-mail: info@anthonyforest.com

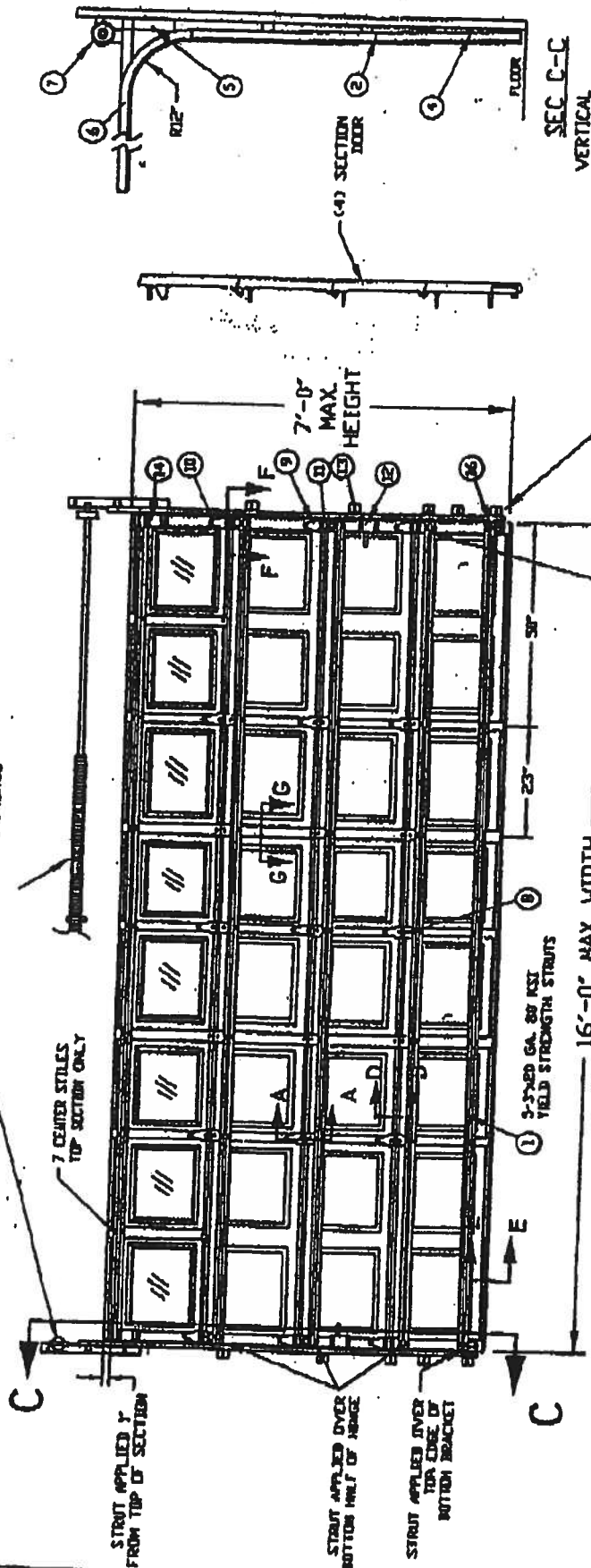
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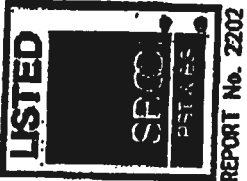
M.

1. TESTED TO POSITIVE AND NEGATIVE 20 PSF DESIGN AND POSITIVE AND NEGATIVE 30 PSF TEST PRESSURES PER ASTM E-130
2. MAXIMUM SECTION HEIGHT: 27'
3. SECTION HEIGHTS OF 24' 0" AND 19' 0" ARE AVAILABLE AND MAY BE USED IN ANY COMBINATION TO ACHIEVE VARIOUS DOOR HEIGHTS
4. VARIOUS MAY BE INSTALLED IN THE TOP SECTION, AS TESTED WITH 1/4" RD BRASS OR EQUIVALENT OR IN THE SECTION IMMEDIATELY BELOW THE TOP SECTION.
5. MINIMUM LENGTH OF ROLLER STICK IS 51" OF AS TESTED
6. THE STRUT PLACEMENT ON DOOR MUST BE CONSISTENT WITH THE DOOR BEAM
7. STRUTS SECURED AT ALL LOCATIONS WITH TEE SCREWS
8. QUANTITY OF SIDE LOCKS CAN BE 0, 1, 2 OR 3 AS TESTED
9. DROP IN TYPE OF INSULATION IS OPTIONAL

NOT PART OF VIBRO LOAD SYSTEM
EXTENSION SPRING COUNTERBALANCE
TORSION SPRING COUNTERBALANCE



The seal on this drawing only certifies that the product(s) illustrated and described herein represent the configuration(s), dimensions and installation(s) of the door as tested.



TEST REPORTS IN FILE VIDEO 10/15/08 400930

DESIGN LOAD +20.0 PSF & -20.0 PSF
TEST LOAD +30.0 PSF & -30.0 PSF

GENERAL AMERICAN DOOR COMPANY
SUEB BASELINE ROAD
HUNTSBERRY, IL 60538

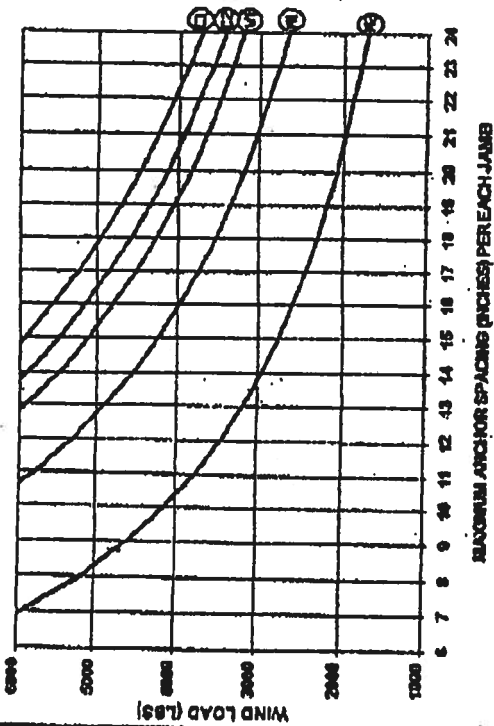
GALCO DOORS
SERIES 7448, EXTERIOR STEEL - 417 MIN GAS TESTED
SERIES 7823, EXTERIOR STEEL - 409" MIN A
SERIES 7824, EXTERIOR STEEL - 402" MIN A
TESTED WITH VARIOUS

MAXIMUM DOOR WIDTH	MAXIMUM DOOR HEIGHT	TYPICAL CYCLES	STRENGTH BY INCH	VERTICAL RACK
16'	7'	23"	3"	5
				2 IN.

REMARKS: (A) 11-20-08
16' x 7' MAX RAISED PANEL STEEL DOOR - UNFOLDING 120 PSF
PART NUMBER: V13220-1
PAGE 1 OF 2



WIND LOAD vs ANCHOR SPACING



EXAMPLE

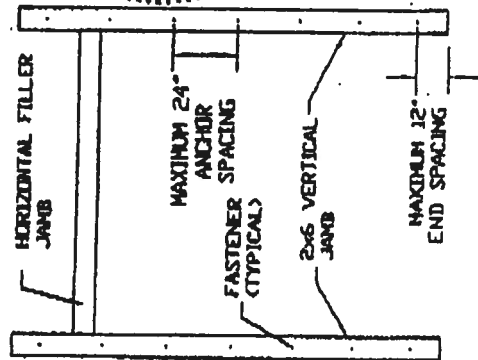
30 LBS X 16 FT WIDE X 8 FT HIGH = 3840 LBS

1) USE 22" SPACING

2) USE 21" SPACING

3) USE 19" SPACING

SEE NOTE 11 FOR ADDITIONAL REQUIRED 2x6 WOOD JAMB ANCHORS



2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- 2x6 PRESSURE TREATED GRADE #2 OR BETTER SOUTHERN PINE WOOD JAMB SHALL BE ANCHORED TO BUILDING WOOD FRAME, GROUTED AND REINFORCED CONCRETE MASONRY UNIT (COLD WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS.
- ALL DOOR OPENING SURROUNDING STRUCTURE TO BE DESIGNED BY REGISTERED ENGINEER OR ARCHITECT WITH DUE CONSIDERATION GIVEN TO INSTALLATIONS USING CENTER "HURRICANE" POSTS.
- ALL DOOR OPENING STRUCTURE AND FASTENERS TO COMPLY WITH ALL APPLICABLE CODES INCLUDING SSTD "STANDARD FOR HURRICANE RESISTANT RESIDENTIAL CONSTRUCTION" SSTD 10, CURRENT EDITION.
- ALL FASTENERS TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, INSTRUCTIONS AND RECOMMENDATIONS.
- WOOD FRAME JAMB STUDS AT EACH SIDE OF DOOR OPENING SHALL BE PROPERLY DESIGNED, CONNECTED, ANCHORED AND SHALL CONSIST OF A MINIMUM OF THREE (3) LAMINATIONS OF 2x6 PRESSURE TREATED SOUTHERN PINE #2 GRADE OR BETTER WALL STUDS CONTIGUOUS FROM FOOTING TO DOUBLE TOP PLATE.
- REINFORCED CHL OR CONCRETE, 2x6 WOOD JAMB SHALL BE ANCHORED TO SOLIDLY GROUTED AND REINFORCED CONCRETE MASONRY UNIT (COLD WALLS OR COLUMNS, OR REINFORCED CONCRETE COLUMNS, ANCHOR SPACING AND EMBEDMENT IS BASED ON CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90 WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2000 PSI, GROUT WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI, REINFORCED CONCRETE COLUMNS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.
- EMBEDMENTS LISTED ARE THE MINIMUM ALLOWABLE EMBEDMENTS.
- ANCHORS FOR CONCRETE AND CONCRETE MASONRY UNITS COLD SHALL HAVE A MINIMUM 3" EDGE DISTANCE FROM ALL EDGES OF CONCRETE OR CONCRETE MASONRY UNITS. ANCHORS FOR CONCRETE AND CHU SHALL HAVE A MINIMUM SPACING OF 3-3/4"
- LAG SCREWS SHALL BE CENTERED IN ONE OF THE 1-1/2" DIMENSION FACES OF THE TRIPLE 2x6 WALL STUDS.
- WASHERS ARE REQUIRED ON ALL FASTENERS.
- THE WIND LOAD VS. ANCHOR SPACING CHART IS FOR A MAXIMUM DOOR SIZE OF 18' X 8' AT A MAXIMUM 42 PSF DESIGN WIND LOAD.
- FOR THE UPPER THREE INDIVIDUAL STEEL JAMB BRACKETS, BRACKETS SHALL BE CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS. IF THE STEEL JAMB BRACKET IS NOT CENTERED BETWEEN THE TWO CLOSEST 2x6 WOOD JAMB ANCHORS, ADD AN ADDITIONAL 2x6 WOOD JAMB ANCHOR NEAR THAT STEEL BRACKET TO INSURE THAT THE LOAD FROM THE STEEL BRACKET IS EQUALLY TRANSFERRED TO TWO WOOD JAMB ANCHORS.

GENERAL AMERICAN DOOR COMPANY
5000 BASSEL ROAD
MONTGOMERY, IL 60538

DATE: 8-20-99
REVISED: 8-20-99
BY: JLV
FOR: JLV

JAMB TO STRUCTURE ATTACHMENT
FOR WIND LOADED GARAGE DOORS

PROJECT NUMBER: A10560



3/2/2002



ELK



**PRESTIQUE®
HIGH DEFINITION®**



RAISED PROFILE™

**Prestique Plus *High Definition*
and Prestique Gallery Collection™**

Product size	13⅝" x 39⅝"	50-year limited warranty period:
Exposure	5⅝"	non-prorated coverage for
Pieces/Bundle	16	shingles and application labor for
Bundles/Square	4/98.5 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	11	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

Raised Profile

Product size	13⅝" x 38⅝"	30-year limited warranty period:
Exposure	5⅝"	non-prorated coverage for
Pieces/Bundle	22	shingles and application labor for
Bundles/Square	3/100 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	16	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

Prestique I *High Definition*

Product size	13⅝" x 39⅝"	40-year limited warranty period:
Exposure	5⅝"	non-prorated coverage for
Pieces/Bundle	16	shingles and application labor for
Bundles/Square	4/98.5 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	14	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

HIP AND RIDGE SHINGLES

Seal-A-Ridge® w/FLX™
Size: 12" x 12"
Exposure: 6⅝"
Pieces/Bundle: 45
Coverage: 4 Bundles = 100 linear feet

Prestique *High Definition*

Product size	13⅝" x 38⅝"	30-year limited warranty period:
Exposure	5⅝"	non-prorated coverage for
Pieces/Bundle	22	shingles and application labor for
Bundles/Square	3/100 sq.ft.	the initial 5 years, plus an option
Squares/Pallet	16	for transferability*; prorated
		coverage for application labor and
		shingles for balance of limited
		warranty period; 5-year limited
		wind warranty*.

Elk Starter Strip
52 Bundles/Pallet
18 Pallets/Truck
936 Bundles/Truck
19 Pieces/Bundle
1 Bundle = 120.33 linear feet

Available Colors: Antique Slate, Weatheredwood, Shakerwood, Sablewood, Hickory, Barkwood**, Forest Green, Wedgewood**, Birchwood**, Sandalwood, Gallery Collection: Balsam Forest™, Weathered Sage™, Sienna Sunset™.

All Prestique, Raised Profile and Seal-A-Ridge roofing products contain Elk WindGuard® sealant. WindGuard activates with the sun's heat, bonding shingles into a wind and weather resistant cover that resists blow-offs and leaks.

Check for availability with built-in StainGuard® treatment to inhibit the discoloration of roofing granules caused by the growth of certain types of algae. Not available in Sablewood.

All Prestique and Raised Profile shingles meet UL® Wind Resistant (UL 997) and Class "A" Fire Ratings (UL 790); and ASTM Specifications D 3018, Type-I; D 3161, Type-I; E 108 and the requirements of ASTM D 3462.

All Prestique and Raised Profile shingles meet the latest Metro Dade building code requirements.

*See actual limited warranty for conditions and limitations.

**Check for product availability.

SPECIFICATIONS

SCOPE: Work includes furnishing all labor, materials and equipment necessary to complete installation of (name) shingles specified herein. Color shall be (name of color).

MATERIALS: Underlayment for standard roof slopes, 4" per foot (101.6/304.8mm) or greater; apply non-perforated No. 15 or 30 asphalt-saturated felt underlayment. Fasteners

warranties are contingent upon the correct installation as shown on the instructions. These instructions are

Residential System Sizing Calculation

Summary

EWPL INC
Dart Rd.
Fort White, FL 32038-

Project Title:
Lot 23, Rolling Meadows

Code Only
Professional Version
Climate: North

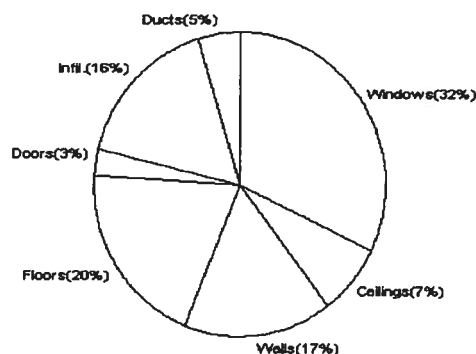
11/22/2005

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	30737 Btuh	Total cooling load calculation	31071 Btuh
Submitted heating capacity	30000 Btuh	Submitted cooling capacity	30000 Btuh
Submitted as % of calculated	97.6 %	Submitted as % of calculated	96.6 %

WINTER CALCULATIONS

Winter Heating Load (for 1718 sqft)

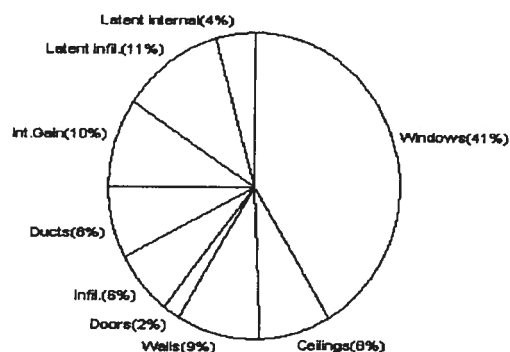
Load component		Load
Window total	352 sqft	9952 Btuh
Wall total	1751 sqft	5133 Btuh
Door total	60 sqft	902 Btuh
Ceiling total	1718 sqft	2233 Btuh
Floor total	194 ft	6130 Btuh
Infiltration	115 cfm	4923 Btuh
Subtotal		29273 Btuh
Duct loss		1464 Btuh
TOTAL HEAT LOSS		30737 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1718 sqft)

Load component		Load
Window total	352 sqft	12891 Btuh
Wall total	1751 sqft	2909 Btuh
Door total	60 sqft	599 Btuh
Ceiling total	1718 sqft	2440 Btuh
Floor total		0 Btuh
Infiltration	100 cfm	1988 Btuh
Internal gain		3000 Btuh
Subtotal(sensible)		23826 Btuh
Duct gain		2383 Btuh
Total sensible gain		26209 Btuh
Latent gain(infiltration)		3482 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		4862 Btuh
TOTAL HEAT GAIN		31071 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 11-22-05

System Sizing Calculations - Winter

Residential Load - Component Details

EWPL INC
Dart Rd.
Fort White, FL 32038-

Project Title:
Lot 23, Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

11/22/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	42.0	28.3	1189 Btuh
2	2, Clear, Metal, DEF	N	13.3	28.3	377 Btuh
3	2, Clear, Metal, DEF	N	9.3	28.3	264 Btuh
4	2, Clear, Metal, DEF	N	17.5	28.3	495 Btuh
5	2, Clear, Metal, DEF	E	30.0	28.3	849 Btuh
6	2, Clear, Metal, DEF	S	17.5	28.3	495 Btuh
7	2, Clear, Metal, DEF	S	72.0	28.3	2038 Btuh
8	2, Clear, Metal, DEF	SW	16.0	28.3	453 Btuh
9	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
10	2, Clear, Metal, DEF	SE	16.0	28.3	453 Btuh
11	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
12	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
13	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
14	2, Clear, Metal, DEF	W	16.0	28.3	453 Btuh
Window Total			352		9952 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	197	1.6	315 Btuh
2	Frame - Exterior	13.0	1554	3.1	4817 Btuh
Wall Total			1751		5133 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
2	Wood - Adjac		20	9.2	184 Btuh
Door Total			60		902 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1718	1.3	2233 Btuh
Ceiling Total			1718		2233 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	194.0 ft(p)	31.6	6130 Btuh
Floor Total			194		6130 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	17180(sqft)	115	4923 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				115	4923 Btuh

Totals for Heating	Subtotal	29273 Btuh
	Duct Loss(using duct multiplier of 0.05)	1464 Btuh
	Total Btuh Loss	30737 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

EWPL INC
Dart Rd.
Fort White, FL 32038-

Project Title:
Lot 23, Rolling Meadows

Code Only
Professional Version
Climate: North

11/22/2005

Totals for Cooling	Subtotal	23826 Btuh
	Duct gain(using duct multiplier of 0.10)	2383 Btuh
	Total sensible gain	26209 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	3482 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	31071 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

EWPL INC
Dart Rd.
Fort White, FL 32038-

Project Title:
Lot 23, Rolling Meadows

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

11/22/2005

Window	Type	Overhang		Window Area(sqft)			HTM		Load			
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, Clear, DEF, N, N	N	1.5	7.5	42.0	0.0	42.0	22	22	924	Btuh	
2	2, Clear, DEF, N, N	N	9	10	13.3	0.0	13.3	22	22	293	Btuh	
3	2, Clear, DEF, N, N	N	9	4	9.3	0.0	9.3	22	22	205	Btuh	
4	2, Clear, DEF, N, N	N	1.5	5.5	17.5	0.0	17.5	22	22	385	Btuh	
5	2, Clear, DEF, N, N	E	1.5	5.5	30.0	2.2	27.8	22	72	2048	Btuh	
6	2, Clear, DEF, N, N	S	1.5	5.5	17.5	17.5	0.0	22	37	385	Btuh	
7	2, Clear, DEF, N, N	S	1.5	6.5	72.0	36.0	36.0	22	37	2124	Btuh	
8	2, Clear, DEF, N, N	SW	1.5	6.5	16.0	5.4	10.6	22	62	776	Btuh	
9	2, Clear, DEF, N, N	S	1.5	6.5	36.0	36.0	0.0	22	37	792	Btuh	
10	2, Clear, DEF, N, N	SE	1.5	6.5	16.0	5.4	10.6	22	62	776	Btuh	
11	2, Clear, DEF, N, N	W	1.5	6.5	16.0	2.0	14.0	22	72	1053	Btuh	
12	2, Clear, DEF, N, N	S	1.5	5.5	30.0	30.0	0.0	22	37	660	Btuh	
13	2, Clear, DEF, N, N	W	1.5	5.5	20.0	1.5	18.5	22	72	1366	Btuh	
14	2, Clear, DEF, N, N	W	1.5	5	16.0	1.0	15.0	22	72	1103	Btuh	
Window Total					352					12891	Btuh	
Walls	Type	R-Value			Area			HTM		Load		
1	Frame - Adjacent	13.0			197.0			1.0		205	Btuh	
2	Frame - Exterior	13.0			1554.0			1.7		2704	Btuh	
Wall Total						1751.0					2909	Btuh
Doors	Type	R-Value			Area			HTM		Load		
1	Wood - Exter				40.0			10.0		399	Btuh	
2	Wood - Adjac				20.0			10.0		200	Btuh	
Door Total						60.0					599	Btuh
Ceilings	Type/Color	R-Value			Area			HTM		Load		
1	Under Attic/Dark	30.0			1718.0			1.4		2440	Btuh	
Ceiling Total						1718.0					2440	Btuh
Floors	Type	R-Value			Size			HTM		Load		
1	Slab-On-Grade Edge Insulation	0.0			194.0 ft(p)			0.0		0	Btuh	
Floor Total						194.0					0	Btuh
Infiltration	Type	ACH			Volume			CFM=		Load		
	Natural	0.35			17180			100.4		1988	Btuh	
	Mechanical							0		0	Btuh	
Infiltration Total									100		1988	Btuh

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



24025 **Donald F. Lee & Associates, Inc.**
Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
dfla@suwanneevalley.net

Wednesday, February 22, 2006

TO: Columbia County Building & Zoning Department

FROM: Tim Delbene, PLS - Donald F. Lee & Associates, Inc.

RE: Lot 23 - Rolling Meadows Subdivision - Floor Elevation Check

CC: Hugo Escalante - EWPL, Inc.

The Floor elevation for this lot (stemwall) and other elevations were measured as follows:


Floor elevation (at existing stemwall) = 109.78

Highest Adjacent Grade (HAG) = 108.0

Lowest Adjacent Grade (LAG) = 106.8

The Minimum Floor Elevation (MFE) for this lot is shown on the record plat for Rolling Meadows subdivision as 109.50 feet. The datum used is NAVD1988, based on NGS benchmark data.

SIGNED:


Timothy A. Delbene, P.L.S.

DATE: 2/22/2006

CERTIFICATE OF OCCUPANCY

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 15-4S-16-03023-523

Building permit No. 000024025

Use Classification SFD, UTILITY

Fire: 11.84

Permit Holder HUGO ESCALANTE

Waste: 24.50

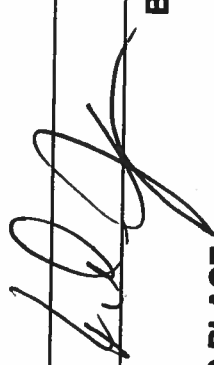
Owner of Building LYSIS CASTRO

Total: 36.34

Location: 124 SW BUTTERCP DRIVE

Date: 08/09/2006





Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)