ck# 2842

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0609-01 Date Received 9-1-06 By CH Permit # 1221 / 25066

Application Approved by - Zoning Official BLK Date 09.05.06 Plans Examiner OKJTH Date 9-6-06

Flood Zone X Plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. L-DEN

Comments SITE PLAN ON PLANS

(NOC)

Applicants Name Lamar Dupree Phone 754-5678

Address PO Box 2861 Lake City, Fla. 32056

Owners Name Phoenix Land Development LLC Phone 754-5678

911 Address 172 SW Birch Gln. Lake City, Fla.

Contractors Name Joseph L. Dupree, Jr. Phone 754-5678

Address PO Box 2861 Lake City, Fla. 32056

Fee Simple Owner Name & Address Phoenix Land Development PO Box 2187 Lake City, Fla. 32056

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Freeman Design Group 161 NW Marion St. Suite 102

Mortgage Lenders Name & Address

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

Property ID Number 03-5S-16-02732-202 (42) Estimated Cost of Construction 163,000.00

Subdivision Name Laurel Lakes Lot 12 Block ____ Unit ____ Phase 2

Driving Directions go US 90 West to CR 252B Turn left approx. 200ft, turn right on SW Deputy J. Davis Lane, go .6 of a mile to Laurel Lakes subdivision turn left, go to 1st street on the left SW of Birch Gln then turn left on the 1st street on left

Type of Construction FRAME Number of Existing Dwellings on Property 0

Total Acreage .50 Lot Size 21780 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 27'-0" Side 27'-8" Side 19'-3" Rear 126

Total Building Height 23' Number of Stories 1 Heated Floor Area 1820 TOTAL 2,478 Roof Pitch 8/12

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

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

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

Owner Builder or Agent (including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Shannon M Regar
Notary Public - State of Florida
My Commission DD364938
2008

Sworn to (or affirmed) and subscribed before me this 1st day of Sept 2006.

Personally known ✓ or Produced Identification ____

J. L. Dupree
Contractor Signature
Contractors License Number CGC060631
Competency Card Number ____
NOTARY STAMP/SEAL

Shannon Regar
Notary Signature

DETACH HERE

AC# 2715371

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06081401651

DATE	BATCH NUMBER	LICENSE NBR
08/14/2006	060093478	QB0011709

The BUSINESS ORGANIZATION
Named below IS QUALIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2007
(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)

J L DUPREE CONSTRUCTION SERVICES INC
2902 W. HWY 90
LAKE CITY FL 32056

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

SIMONE MARSTILLER
SECRETARY

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY): 05/09/2006

PRODUCER

WILEY'S INSURANCE INC
483 S MARION AVE.
LAKE CITY FL 32025
386 752 1919

INSURED

J L DUPREE CONSTRUCTION
SERVICE INC. & STANDARD
PLUMBING & SUPPLIES CO. INC.
PO BOX 2861
LAKE CITY, FL 32025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURER A	OWNERS INSURANCE CO
INSURER B	BRIDGEFIELD INS. CO.
INSURER C	AUTO OWNERS INS. CO.
INSURER D	
INSURER E	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
C	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUP GEN'L AGGREGATE LIMIT APPLIES PER POLICY PRO-JECT LOC	20603048	06/27/05	06/27/06	EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $100,000 $5,000 $1,000,000 $2,000,000 $2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS HIRED AUTOS NON OWNED AUTOS	4288128200	06/27/05	06/27/06	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
	GARAGE LIABILITY ANY AUTO				AUTO ONLY EA ACCIDENT OTHER THAN AUTO ONLY EA ACC OTHER THAN AUTO ONLY AGG	$ $ $
C	EXCESS LIABILITY X OCCUR CLAIMS MADE DEDUCTIBLE RETENTION $	2060348	11/30/05	11/30/06	EACH OCCURRENCE AGGREGATE PROD COMP	$2,000,000 $2,000,000 $2,000,000 $ $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	830-277840000	07/01/05	07/01/06	WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$500,000 $500,000 $500,000
A	OTHER INLAND MARINE CONTRACTORS LEAS	20603048 RENTED EQUIPMENT	06/27/05	06/27/06	300,000	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

FAX Copy

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER:

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Wiley S. Hunter

FORM 600A-2001

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Laurel Lake Lot 12**	Builder:	
Address:	**Lot: 12, Sub: Laurel Lake, Plat:**	Permitting Office:	
City, State:	**Lake City, Fl 32055-**	Permit Number:	
Owner:	**Dupree Construction**	Jurisdiction Number:	
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft^2)		1820 ft^2	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft^2	144.9 ft^2	
b. Default tint	0.0 ft^2	0.0 ft^2	
c. Labeled U or SHGC	0.0 ft^2	0.0 ft^2	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 218.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1750.4 ft^2	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2002.0 ft^2	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 52.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 36.0 kBtu/hr	
	SEER: 13.00	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 36.0 kBtu/hr	
	HSPF: 8.00	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 50.0 gallons	
	EF: 0.90	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	MZ-C, PT, CF,	

Glass/Floor Area: 0.08

Total as-built points: 21655
Total base points: 28818

PASS

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

PREPARED BY: Jason Dupree

DATE: 8/21/06

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: _____

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	1820.0	20.04	6565.1	Double, Clear	E	1.5	6.0	15.0	42.06	0.91	575.9	
				Double, Clear	E	1.5	6.0	30.0	42.06	0.91	1151.8	
				Double, Clear	S	1.5	6.0	15.0	35.87	0.86	460.6	
				Double, Clear	W	1.5	5.0	12.0	38.52	0.88	404.7	
				Double, Clear	W	1.5	8.0	28.0	38.52	0.96	1033.5	
				Double, Clear	W	1.5	6.2	20.9	38.52	0.92	739.6	
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.3	
				Double, Clear	N	1.5	6.0	15.0	19.20	0.94	270.3	
				As-Built Total:				**144.9**			**4788.8**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1750.4	1.50		2625.6	
Exterior	1750.4	1.70	2975.7									
Base Total:	**1750.4**		**2975.7**	**As-Built Total:**				**1750.4**			**2625.6**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Exterior Wood				40.8	6.10		248.9	
Exterior	108.8	6.10	663.7	Exterior Wood				68.0	6.10		414.8	
Base Total:	**108.8**		**663.7**	**As-Built Total:**				**108.8**			**663.7**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	1820.0	1.73	3148.6	Under Attic			30.0	2002.0	1.73 X 1.00		3463.5	
Base Total:	**1820.0**		**3148.6**	**As-Built Total:**				**2002.0**			**3463.5**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	218.8(p)	-37.0	-8095.6	Slab-On-Grade Edge Insulation			0.0	218.8(p	-41.20		-9014.6	
Raised	0.0	0.00	0.0									
Base Total:			**-8095.6**	**As-Built Total:**				**218.8**			**-9014.6**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	1820.0	10.21	18582.2					1820.0	10.21		18582.2	

FORM 600A-2001

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**23839.7**	**Summer As-Built Points:**						**21109.2**
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	
23839.7	**0.4266**	**10170.0**		21109.2 **21109.2**	1.000 **1.00**	(1.090 x 1.147 x 0.91) **1.138**	0.263 **0.263**	0.857 **0.857**	5405.9 **5405.9**	

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	1820.0	12.74	4173.6	Double, Clear	E	1.5	6.0	15.0	18.79	1.04	291.9
				Double, Clear	E	1.5	6.0	30.0	18.79	1.04	583.8
				Double, Clear	S	1.5	6.0	15.0	13.30	1.12	222.9
				Double, Clear	W	1.5	5.0	12.0	20.73	1.03	257.4
				Double, Clear	W	1.5	8.0	28.0	20.73	1.01	586.9
				Double, Clear	W	1.5	6.2	20.9	20.73	1.02	443.0
				Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5
				Double, Clear	N	1.5	6.0	15.0	24.58	1.00	369.5
				As-Built Total:				**144.9**			**2977.9**
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1750.4	3.40		5951.4
Exterior	1750.4	3.70	6476.5								
Base Total:	**1750.4**		**6476.5**	**As-Built Total:**				**1750.4**			**5951.4**
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =		Points
Adjacent	0.0	0.00	0.0	Exterior Wood				40.8	12.30		501.8
Exterior	108.8	12.30	1338.2	Exterior Wood				68.0	12.30		836.4
Base Total:	**108.8**		**1338.2**	**As-Built Total:**				**108.8**			**1338.2**
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X	WCM =	Points
Under Attic	1820.0	2.05	3731.0	Under Attic			30.0	2002.0	2.05 X	1.00	4104.1
Base Total:	**1820.0**		**3731.0**	**As-Built Total:**				**2002.0**			**4104.1**
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =		Points
Slab	218.8(p)	8.9	1947.3	Slab-On-Grade Edge Insulation			0.0	218.8(p	18.80		4113.4
Raised	0.0	0.00	0.0								
Base Total:			**1947.3**	**As-Built Total:**				**218.8**			**4113.4**
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =		Points
	1820.0	-0.59	-1073.8					1820.0	-0.59		-1073.8

FORM 600A-2001

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

BASE			AS-BUILT						
Winter Base Points:		**16592.9**	**Winter As-Built Points:**						**17411.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
16592.9	**0.6274**	**10410.4**	17411.2 **17411.2**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.426 **0.426**	0.950 **0.950**	8193.9 **8193.9**

FORM 600A-2001

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

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

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
10170	**10410**	**8238**	**28818**	**5406**	**8194**	**8055**	**21655**

PASS

FORM 600A-2001

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 87.6

The higher the score, the more efficient the home.

Dupree Construction, Lot: 12, Sub: Laurel Lake, Plat: , Lake City, Fl, 32055-

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1820 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear - single pane	0.0 ft²	144.9 ft²	
b. Clear - double pane	0.0 ft²	0.0 ft²	
c. Tint/other SHGC - single pane	0.0 ft²	0.0 ft²	
d. Tint/other SHGC - double pane			
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 218.8(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=13.0, 1750.4 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 2002.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior		Sup. R=6.0, 52.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit		Cap: 36.0 kBtu/hr
		SEER: 13.00
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump		Cap: 36.0 kBtu/hr
		HSPF: 8.00
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance		Cap: 50.0 gallons
		EF: 0.90
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		MZ-C, PT, CF,

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

Builder Signature: _____ Date: _____

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

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/488-7824.*

Residential System Sizing Calculation

Summary

Dupree Construction

Lake City, Fl 32055-

Project Title:
Laurel Lake Lot 12

Code Only
Professional Version
Climate: North

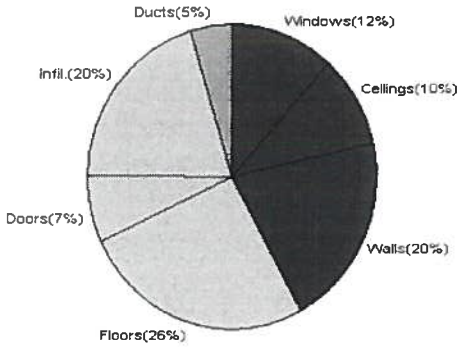
8/21/2006

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	98	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	23	F
Total heating load calculation	**26487**	**Btuh**	**Total cooling load calculation**	**26285**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	135.9	36000	Sensible (SHR = 0.5)	84.8	18000
Heat Pump + Auxiliary(0.0kW)	135.9	36000	Latent	355.1	18000
			Total (Electric Heat Pump)	137.0	36000

WINTER CALCULATIONS

Winter Heating Load (for 1820 sqft)

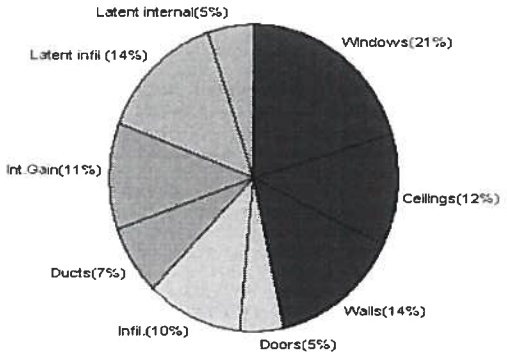
Load component			Load	
Window total	145	sqft	3116	Btuh
Wall total	1750	sqft	5426	Btuh
Door total	109	sqft	1952	Btuh
Ceiling total	2002	sqft	2603	Btuh
Floor total	219	ft	6914	Btuh
Infiltration	122	cfm	5216	Btuh
Subtotal			**25226**	**Btuh**
Duct loss			1261	Btuh
TOTAL HEAT LOSS			**26487**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1820 sqft)

Load component			Load	
Window total	145	sqft	5391	Btuh
Wall total	1750	sqft	3746	Btuh
Door total	109	sqft	1336	Btuh
Ceiling total	2002	sqft	3123	Btuh
Floor total			0	Btuh
Infiltration	106	cfm	2691	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**19288**	**Btuh**
Duct gain			1929	Btuh
Total sensible gain			**21216**	**Btuh**
Latent gain(infiltration)			3689	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**5069**	**Btuh**
TOTAL HEAT GAIN			**26285**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: Allen Dedrick

DATE: 8/21/06

System Sizing Calculations - Winter

Residential Load - Component Details

Dupree Construction
Lake City, Fl 32055-

Project Title:
Laurel Lake Lot 12

Code Only
Professional Version
Climate: North

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

8/21/2006

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Wood, DEF	N	15.0	21.5	322 Btuh
2	2, Clear, Wood, DEF	N	30.0	21.5	645 Btuh
3	2, Clear, Wood, DEF	E	15.0	21.5	322 Btuh
4	2, Clear, Wood, DEF	S	12.0	21.5	258 Btuh
5	2, Clear, Wood, DEF	S	28.0	21.5	602 Btuh
6	2, Clear, Wood, DEF	S	20.9	21.5	450 Btuh
7	2, Clear, Wood, DEF	W	9.0	21.5	194 Btuh
8	2, Clear, Wood, DEF	W	15.0	21.5	322 Btuh
	Window Total		145		3116 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1750	3.1	5426 Btuh
	Wall Total		1750		5426 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		41	17.9	732 Btuh
2	Wood - Exter		68	17.9	1220 Btuh
	Door Total		109		1952Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2002	1.3	2603 Btuh
	Ceiling Total		2002		2603Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	218.8 ft(p)	31.6	6914 Btuh
	Floor Total		219		6914 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	18200(sqft)	122	5216 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			122	5216 Btuh

Totals for Heating	**Subtotal**	**25226 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1261 Btuh**
	Total Btuh Loss	**26487 Btuh**

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

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

System Sizing Calculations - Summer

Residential Load - Component Details

Dupree Construction

Lake City, Fl 32055-

Project Title:
Laurel Lake Lot 12

Code Only
Professional Version
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 23.0 F 8/21/2006

Window	Type Panes/SHGC/U/InSh/ExSh Ornt		Overhang Len	 Hgt	Window Area(sqft) Gross	 Shaded	 Unshaded	HTM Shaded	 Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	6	15.0	0.0	15.0	24	24	360	Btuh
2	2, Clear, DEF, N, N	N	1.5	6	30.0	0.0	30.0	24	24	720	Btuh
3	2, Clear, DEF, N, N	E	1.5	6	15.0	0.0	15.0	24	74	1110	Btuh
4	2, Clear, DEF, N, N	S	1.5	5	12.0	12.0	0.0	24	39	288	Btuh
5	2, Clear, DEF, N, N	S	1.5	8	28.0	28.0	0.0	24	39	672	Btuh
6	2, Clear, DEF, N, N	S	1.5	6.16	20.9	20.9	0.0	24	39	502	Btuh
7	2, Clear, DEF, N, N	W	1.5	4	9.0	0.7	8.3	24	74	629	Btuh
8	2, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	24	74	1110	Btuh
	Window Total				145					5391	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Exterior	13.0	1750.4	2.1	3746	Btuh
	Wall Total		1750.4		3746	Btuh

Doors	Type	Area	HTM	Load	
1	Wood - Exter	40.8	12.3	501	Btuh
2	Wood - Exter	68.0	12.3	835	Btuh
	Door Total	108.8		1336	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	2002.0	1.6	3123	Btuh
	Ceiling Total		2002.0		3123	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	218.8 ft(p)	0.0	0	Btuh
	Floor Total		218.8		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.35	18200	106.4	2691	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			106	2691	Btuh

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

Totals for Cooling	**Subtotal**	**19288**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1929**	**Btuh**
	Total sensible gain	**21216**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**3689**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**26285**	**Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Dupree Construction	Project Title:	Code Only
	Laurel Lake Lot 12	Professional Version
Lake City, Fl 32055-		Climate: North
		8/21/2006

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)

Architectural Testing

FI # 675.18

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

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 450/650/850 Drop-in Glazing
PRODUCT TYPE: Aluminum Single Hung Window
with Nail Fin

	Summary of Results	
Title	Test Specimen #1	Test Specimen #2
Rating	H-R35 48 x 84	H-R40* 36 x 72
Operating Force	23 lbf max.	17 lbf max.
Air Infiltration	0.16 cfm/ft^2	0.17 cfm/ft^2
Water Resistance Test Pressure	6.00 psf	6.00 psf
Uniform Load Deflection Test Pressure	+35.3 psf/-47.2 psf	±50.0 psf
Uniform Load Structural Test Pressure	+53.0 psf/-70.8 psf	±75.0 psf
Forced Entry Resistance	Grade 10	Grade 10

Reference should be made to Report No. 42963.03-122-47 for complete test specimen description and data.

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

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

Rendered to:

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

Report No.:	42963.03-122-47
Test Dates:	10/18/02
And:	03/04/05
Report Date:	06/14/05
Expiration Date:	10/18/06

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on two Series/Model 450/650/850 drop-in glazing, aluminum single hung windows at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: H-R35 48 x 84; Test Specimen #2: H-R40* 36 x 72. Test specimen description and results are reported herein.

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

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

Test Specimen Description:

Series/Model: 450/650/850 Drop-in Glazing

Product Type: Aluminum Single Hung Window with Nail Fin

Test Specimen #1: H-R35 48 x 84 (Oriel)

Overall Size: 3' 11-5/8" wide by 6' 11-5/8" high

Interior Sash Size: 3' 9-1/4" wide by 2' 5-3/4" high

Fixed Daylight Opening Size: 3' 6-3/8" wide by 4' 2-5/8" high

Screen Size: 3' 7-5/8" wide by 2' 5" high

130 Derry Court
York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Test Specimen Description: (Continued)

Test Specimen #2: H-R40* 36 x 72

Overall Size: 3' 0-1/4" wide by 6' 0-1/4" high

Interior Sash Size: 2' 9-3/4" wide by 2' 11-7/8" high

Fixed Daylight Opening Size: 2' 7" wide by 2' 9" high

Screen Size: 2' 8-3/16" wide by 2' 11-3/8" high

The following descriptions apply to all specimens.

Finish: All aluminum was white.

Glazing Details: The specimen utilized 5/8" thick sealed insulating glass constructed from two sheets of 3/16" thick clear annealed glass and a metal reinforced butyl spacer system. The lites were interior glazed onto double-sided adhesive foam tape and secured with a flexible vinyl snap-in glazing beads.

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting rail
0.230" high by 0.187" backed polypile with center fin	2 Rows	Sash stiles
3/4" wide by 5/8" long polypile pad	4 pieces	All corners of sash
1/4" foam filled vinyl bulb seal	1 Row	Bottom rail

Frame Construction: The frame was constructed of thermally broken extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two #6 x 1" screws per cap. Meeting rail was then secured to the frame utilizing two #6 x 1" screws.

Test Specimen Description: (Continued)

Sash Construction: The sash was constructed of thermally broken extruded aluminum with coped, and butted corners fastened with one #8 x 3/4" screws per corner through the rails into the stile screw boss.

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

Hardware:

Description	Quantity	Location
Metal cam lock	1 per sash	Interior meeting rail midspan
Plastic tilt latch	2 per sash	Interior meeting rail ends
Metal tilt pin	2 per sash	Bottom rail ends
Balance assembly	2 per sash	One per jamb
Spring loaded retainer pin	2 per screen	4" from stiles on bottom screen rail

Drainage:

Description	Quantity	Location
Sloped sill	1	Sill

Installation: The specimens were installed into a #2 Spruce-Pine-Fir wood buck. The nail fins were back bedded in silicone and secured with #8 x 1-5/8" drywall screws located 2-1/2" from corners and 14" on center around nail fin perimeter. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: H-R35 48 x 84 (Oriel)			
2.2.1.6.1	Operating Force	23 lbf	30 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.16 cfm/ft^2	0.30 cfm/ft^2 max.

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

2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting rail) (Loads were held for 52 seconds)		
	15.0 psf (positive)	0.14"	See Note #2
	15.0 psf (negative)	0.14"	See Note #2

Note #2: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	22.5 psf (positive)	0.01"	0.17" max.
	22.5 psf (negative)	0.01"	0.17" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: H-R35 48 x 84 (Oriel) (Continued)			
2.2.1.6.2	Deglazing Test per ASTM E 987		
	In operating direction - 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Right stile	0.06"/12%	0.50"/100%
	Left stile	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547 (with and without screen)		
	6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the meeting rail)		
	(Loads were held for 52 seconds)		
	35.3 psf (positive)	0.27"	See Note #2
	47.2 psf (negative)	0.35"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the meeting rail)		
	(Loads were held for 10 seconds)		
	53.0 psf (positive)	0.02"	0.17" max.
	70.8 psf (negative)	0.06"	0.17" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: H-R40* 36 x 72			
Optional Performance			
4.3	Water Resistance per ASTM E 547 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting rail) (Loads were held for 52 seconds)		
	50.0 psf (positive)	0.18"	See Note #2
	50.0 psf (negative)	0.15"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	75.0 psf (positive)	0.02"	0.12" max.
	75.0 psf (negative)	0.01"	0.12" 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 from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Mark A. Hess vlm

Digitally Signed for: Mark A. Hess by Vicki L. McElwain

Mark A. Hess
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E.
Senior Project Engineer

MAH:vlm

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	06/15/05	N/A	Original report issue

CAPITOL WINDOWS AND DOORS

- Series 165 Single Hung and Fixed Windows
- Series 650 Single Hung and Fixed Windows
- Series 168 Horizontal Slider and Fixed Windows
- Series 680 Horizontal Slider and Fixed Windows

NOTE: SEE INDIVIDUAL TEST REPORT(S) FOR DP RATINGS AND MAXIMUM ALLOWABLE SIZES.

INSTALLATION INSTRUCTIONS FOR "APPROVED FOR FLORIDA" ALUMINUM FIN WINDOWS

Capitol Windows & Doors appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function.

1 Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin. Place a continuous bead of caulk on the back side of nail fin (mounting flange).

2. Set unit plumb and square into opening and make sure that there is 3/16" ± 1/16" clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit frequently as fasteners are set.

3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to **35**, do not exceed **24"** spacing of additional screws. For DPs from **35.1** to **50**, do not exceed **18"** spacing.

4. Caulk entire perimeter of fin to mounting surface joint and caulk over screw heads.
Note: this step can be eliminated if 4" wide adhesive type flashing is used (sill 1st., jambs 2nd., head 3rd.).

5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties.

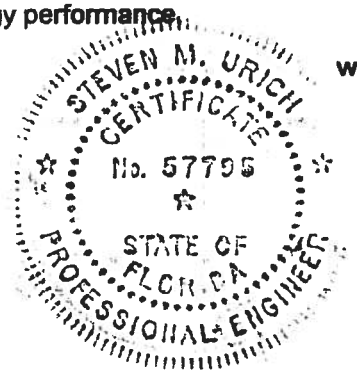
6. Remove plaster, mortar, paint, and debris that has collected on the unit and make sure that sash/vent tracks and interlocks are also clean. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent.

- CAUTION -

Capitol Windows & Doors or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. BetterBilt window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing (tempered glass) near doors, bathtubs, and shower enclosures. Also be aware of other code requirements such as emergency egress and structural / energy performance.

Corporate Headquarters:
M.I. Home Products
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

www.mihp.com



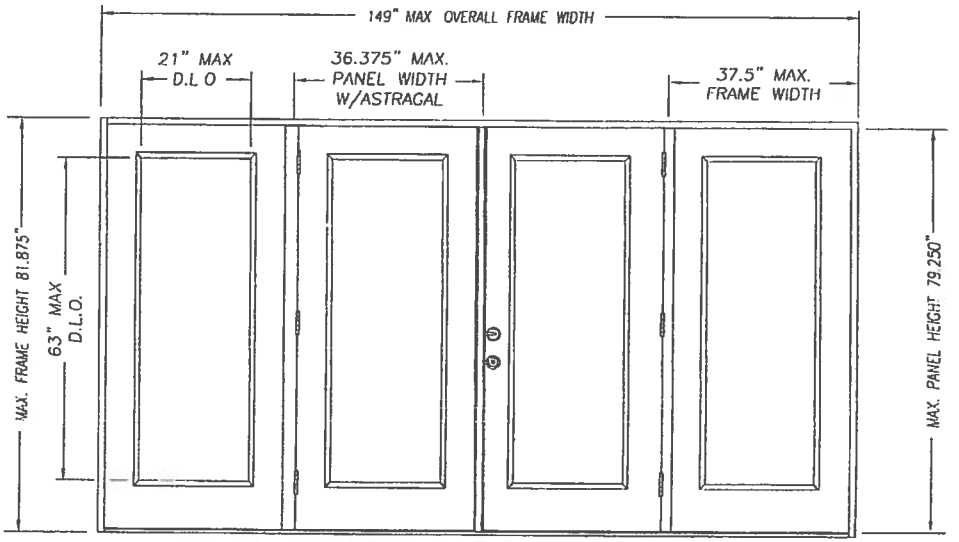
FL 221
July 29, 2003

Rev. 7-24-03

FI# 4904.1

Masonite

SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE INSWING UNIT W/SIDELITES

Addendum to NAMI
Certification No.: NI006110
Reviewed By:
Date Reviewed: 8/10/05

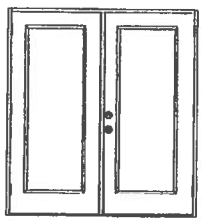
GENERAL NOTES

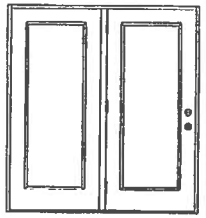
1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

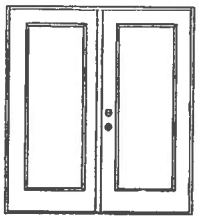
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

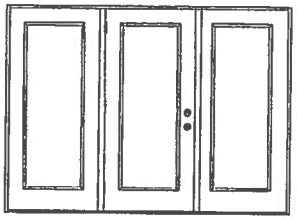
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1


SINGLE DOOR UNIT


DOUBLE DOOR UNIT


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT W/SIDELITES

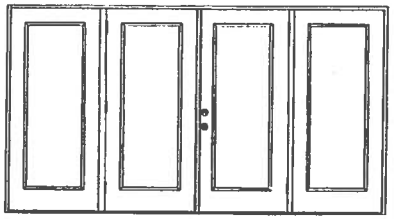

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
XX	74"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OX or XO	75"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OXO	112.5"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OXXO	149"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5

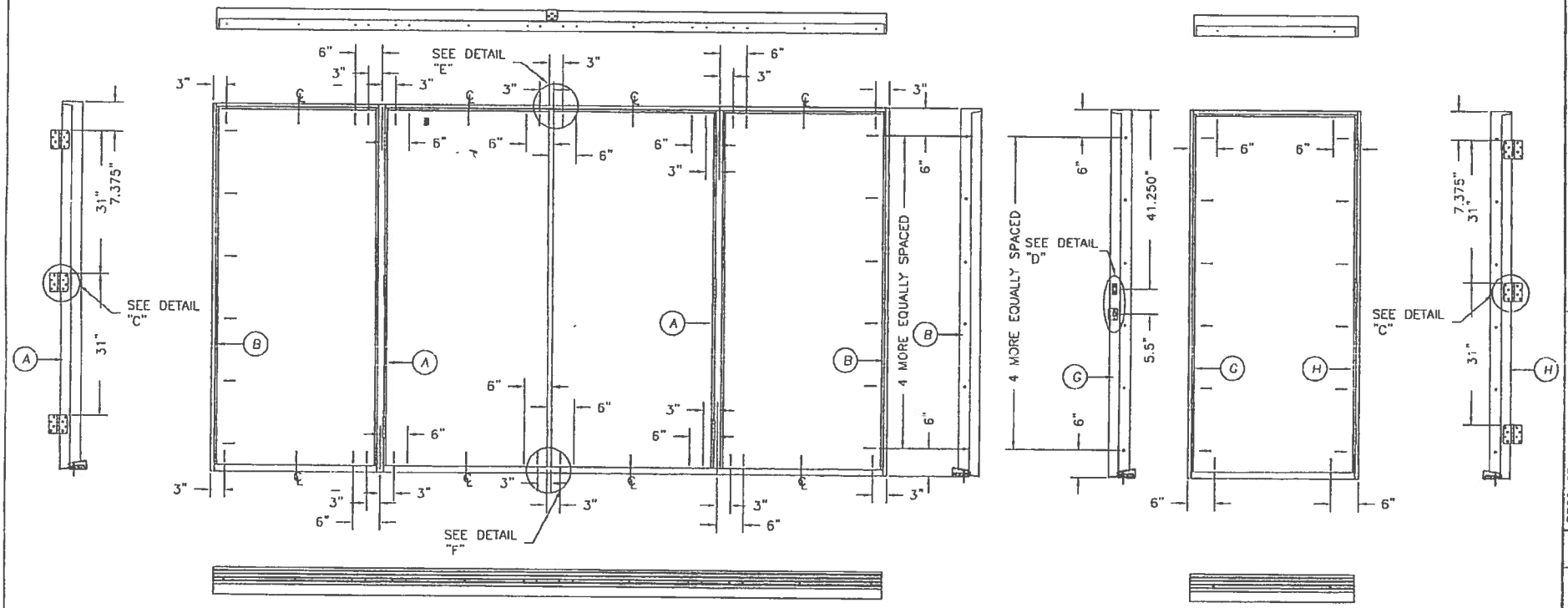
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

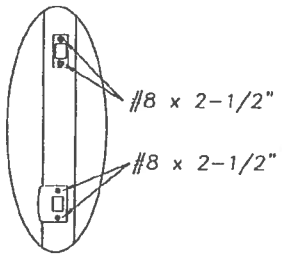
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" GLAZED WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0130-05
SHEET 1 OF 3





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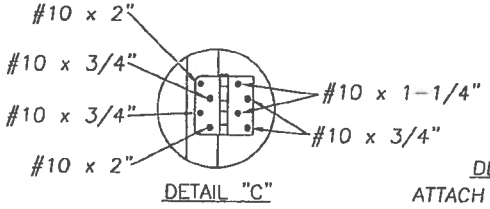

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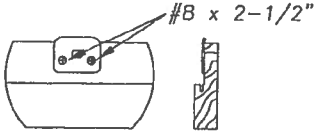
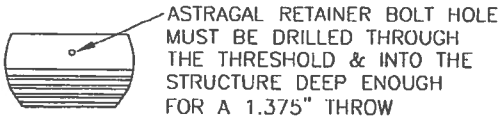


DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

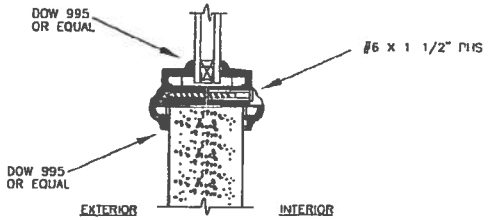


DETAIL "F" ASTRAGAL

INSWING THRESHOLD

OUTSWING THRESHOLD

Addendum to NAMI
Certification No.: NI006110
Reviewed By:
Date Reviewed: 8/10/05



TYPICAL GLAZING DETAIL

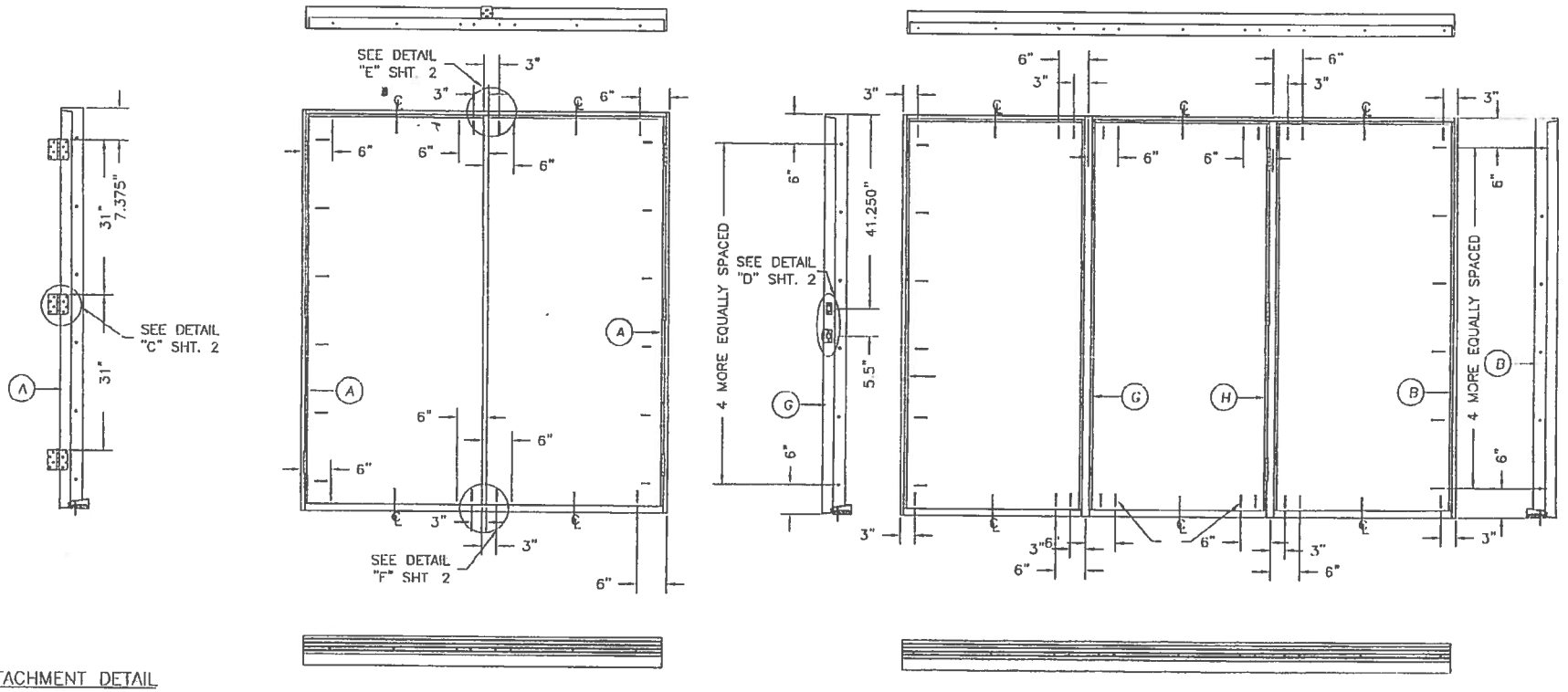
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'-8" GLAZED WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

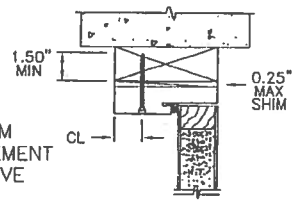
NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0130-05
SHEET 2 OF 3



ATTACHMENT DETAIL

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



TYPICAL
ANCHOR INSTALLATION

HARDWARE SCHEDULE

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

Addendum to NAMI
Certification No: NI006110
Reviewed By:
Date Reviewed: 8/10/05

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

PRODUCT: "EXTERIOR DOOR PRODUCT" 6'-8" WOOD-EDGE STEEL GLAZED DOUBLE DOOR UNIT
PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	BY
REVISIONS		

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0130-05
SHEET 3 OF 3

FL# 675.15

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

Rendered to:

MI HOME PRODUCTS, INC.

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

Title	Summary of Results
AAMA Rating	H-R35 112 x 72
Operating Force	25 lb max
Air Infiltration	0.10 cfm/ft²
Water Resistance Test Pressure	5.25 psf
Uniform Load Deflection Test Pressure	35.3 psf -35.0 psf
Uniform Load Structural Test Pressure	53.0 psf -52.5 psf
Deglazing	Passed
Forced Entry Resistance	Grade 10

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

Architectural Testing

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

Rendered to:

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

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

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

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

Test Specimen Description:

Series/Model: 650

Type: Aluminum Triple Single Hung Window

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

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

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

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

Finish: All aluminum was painted white.

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

Test Specimen Description: (Continued)

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

Weatherstripping:

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

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

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

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

Test Specimen Description: (Continued)

Hardware:

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

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

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

Test Results:

The results are tabulated as follows:

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

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

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

Test Results: (Continued)

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

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Optional Performance			
4.3	Water Resistance (ASTM E 547-00) (With and without screen) WTP = 5.25 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 52 seconds) @ 35.3 psf (positive) @ 35.0 psf (negative)	0.26" 0.41"	See Note #2 See Note #2
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the mullion) (Loads were held for 10 seconds) @ 53.0 psf (positive) @ 52.5 psf (negative)	0.03" 0.02"	0.29" max. 0.29" max.

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

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

For ARCHITECTURAL TESTING, INC:

Mark A. Hess
Technician

David A. Kranz
Director - Product Physical Testing

MAH/dhs
01-41641.02

Architectural Testing

FI # 681.6

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

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 450/480/650/680
PRODUCT TYPE: Aluminum Picture Window

Title	Summary of Results
Rating	F-R50 96 x 72
Air Infiltration	0.02 cfm/ft^2
Water Resistance Test Pressure	9.0 psf
Uniform Load Deflection Test Pressure	±50.0 psf
Uniform Load Structural Test Pressure	±75.0 psf
Forced Entry Resistance	Grade 10

Reference should be made to ATI Report No. 56249.01-122-47 for complete test specimen description and data.

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phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

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

Rendered to:

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

Report No.:	56249.01-122-47
Test Date:	03/03/05
Through:	03/04/05
Report Date:	08/25/05
Expiration Date:	03/04/09

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on a Series/Model 450/480/650/680, aluminum picture window at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The sample tested successfully met the performance requirements for an F-R50 96 x 72 rating. Test specimen description and results are reported herein.

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

Test Specimen Description:

Series/Model: 450/480/650/680

Product Type: Aluminum Picture Window

Overall Size: 7' 11-3/4" wide by 6' 0" high

Daylight Opening Size: 7' 9-1/8" wide by 5' 9-1/4" high

Overall Area: 48.0 ft^2

Finish: All aluminum was white.

Glazing Details: The test specimen utilized 7/8" thick, sealed insulating glass constructed from two sheets of 3/16" thick, clear annealed glass and a metal reinforced butyl spacer system. The lite was interior glazed onto a silicone bedding and secured with aluminum snap in glazing beads.

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fax: 717-764-4129
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Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Glazing beads

Frame Construction: The frame was constructed of thermally improved extruded aluminum. The corners were coped, butted, sealed, and secured with two #6 x 7/8" hex head screws through the head and sill into the jambs.

Installation: The window was installed into a #2 Spruce-Pine-Fir wood buck. The nail fin was back bedded in silicone and secured with #6 x 1-5/8" drywall screws located in corners and 10" on center. Silicone was utilized around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.02 cfm/ft^2	0.30 cfm/ft^2 max.

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

2.1.3	Water Resistance per ASTM E 547 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the head) (Loads were held for 52 seconds)		
	15.0 psf (positive)	0.01"	See Note #2
	15.0 psf (negative)	0.02"	See Note #2

***Note #2**: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the head) (Loads were held for 10 seconds)		
	22.5 psf (positive)	0.01"	0.37" max.
	22.5 psf (negative)	0.01"	0.37" max.

Test Results: (Continued)

2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: D	Grade: 10	
	Hand and Tool Manipulation Test	No entry	No entry
	Optional Performance		
4.3	Water Resistance per ASTM E 547 (with and without screen) 9.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the head) (Loads were held for 52 seconds)		
	50.0 psf (positive)	0.04"	See Note #2
	50.0 psf (negative)	0.03"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the head) (Loads were held for 10 seconds)		
	75.0 psf (positive)	0.01"	0.37" max.
	75.0 psf (negative)	0.02"	0.37" 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 from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without the approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Mark A. Hess

Mark A. Hess
Technician

Digitally Signed by: Steven M. Urich

Steven M. Urich, P.E.
Senior Project Engineer

MAH:jld

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	08/25/05	N/A	Original report issue

Architectural Testing

FI # 685.3

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

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 680
PRODUCT TYPE: Aluminum Horizontal Sliding Window (Fin Frame)

	Summary of Results		
Title	**Test Specimen #1**	**Test Specimen #2**	**Test Specimen #3**
Rating	HS-R30 126 x 59	HS-R40 71 x 59	HS-R35* 52 x 59
Operating Force	14 lbf max.	N/A	N/A
Air Infiltration	0.12 cfm/ft^2	N/A	N/A
Water Resistance Test Pressure	6.0 psf	N/A	N/A
Uniform Load Deflection Test Pressure	±30.0 psf	+40.0 psf/-40.7 psf	+35.3 psf/-50.0 psf
Uniform Load Structural Test Pressure	±45.0 psf	+60.0 psf/-61.1 psf	+53.0 psf/-75.0 psf
Forced Entry Resistance	Grade 10	N/A	N/A

Reference should be made to ATI Report No. 53194.01-122-47 for complete test specimen description and data.

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phone: 717-764-7700
fax: 717-764-4129
www.archtest.com

Architectural Testing

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

Rendered to:

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

Report No.:	53194.01-122-47
Test Dates:	08/30/04
Through:	09/02/04
Report Date:	09/14/04
Expiration Date:	09/02/08

Project Summary: Architectural Testing, Inc. (ATI) was contracted by MI Windows and Doors, Inc. to witness testing on three Series/Model 680, aluminum horizontal sliding windows at MI Windows and Doors, Inc. test facility in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for the following ratings: Test Specimen #1: HS-R30 126 x 59; Test Specimen #2: HS-R40 71 x 59; Test Specimen #3: HS-R35* 52 x 59. Test specimen description and results are reported herein.

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

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

Test Specimen Description:

Series/Model: 680

Product Type: Aluminum Horizontal Sliding Window (Fin Frame)

Test Specimen #1: HS-R30 126 x 59 (XOX)

Overall Size: 10' 5-5/8" wide by 4' 11-1/16" high

Interior Sash Size (2): 2' 7" wide by 4' 8-3/8" high

Daylight Opening Size: 4' 11-3/4" wide by 4' 5-5/8" high

Screen Size: 2' 5-3/4" wide by 4' 7-1/8" high

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York, PA 17402-9405
phone: 717-764-7700
fax: 717-764-4129
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Test Specimen Description: (Continued)

Test Specimen #2: HS-R40 71 x 59 (XO)

Overall Size: 5' 11-3/8" wide by 4' 11" high

Interior Sash Size: 2' 11-1/2" wide by 4' 8-1/4" high

Daylight Opening Size: 2' 10-1/4" wide by 4' 5-3/4" high

Screen Size: 2' 10-1/2" wide by 4' 7-1/8" high

Test Specimen #3: HS-R35* 52 x 59 (XO)

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

Interior Sash Size: 2' 1-7/8" wide by 4' 8-1/4" high

Daylight Opening Size: 1' 10-1/2" wide by 4' 5-3/4" high

Screen Size: 2' 0-1/2" wide by 4' 7-1/8" high

The following descriptions apply to all specimens.

Finish: All aluminum was anodized.

Glazing Details: The sash utilized a single sheet of 1/8" thick, clear annealed glass. The sash were interior glazed onto double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.187" backed polypile with center fin	1 Row	Fixed meeting stile, rails
0.230" high by 0.187" backed polypile with center fin	2 Rows	Stiles

Frame Construction: The frame was constructed of extruded aluminum. The corners were coped, butted, sealed, and secured with two #6 by 1" screws through the jambs into the head and sill screw boss. The fixed meeting stile was secured utilizing end caps. The end caps were secured to the fixed meeting stile with two #6 by 3/4" self-tapping screws through the end caps into the fixed meeting stiles screw boss. The end caps were secured with two #6 by 3/4" self-tapping screws into the head and sill. The head and sill also utilized a snap-in PVC insert.

Test Specimen Description: (Continued)

Sash Construction: The sash was constructed of extruded aluminum. The corners were coped, butted, and secured with one #6 by 1" screw through the rail into the stiles screw boss. The jamb stile was thermally broken.

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

Hardware:

Description	Quantity	Location
Metal cam locks	2 per sash	10" from rails on locking stile
Roller assembly	2 per sash	1-1/2" from bottom rail ends
Screen plungers	4 per screen	2-1/2" from each rail on stiles

Drainage:

Description	Quantity	Location
1/4" wide by 1-1/4" long weephole with cover	2	3-1/2" from jambs on sill face

Reinforcement: No reinforcement was utilized.

Installation: The windows were installed into a #2 Spruce-Pine-Fir wood buck. The nail fin was back bedded in silicone and secured with #8 by 1-5/8" drywall screws located 2" from corners and 9" on center. The exterior perimeter was sealed with silicone.

Test Results: The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-R30 126 x 59 (XOX)			
2.2.2.5.1	Operating Force	14 lbf	20 lbf max.
2.1.2	Air Infiltration per ASTM E 283 1.57 psf (25 mph)	0.12 cfm/ft^2	0.30 cfm/ft^2 max.

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

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-R30 126 x 59 (XOX) (Continued)			
2.1.3	Water Resistance per ASTM E 547 (with and without screen) 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	15.0 psf (positive)	0.37"	See Note #2
	15.0 psf (negative)	0.39"	See Note #2

***Note #2**: The Uniform Load Deflection test is not a requirement of ANSI/AAMA/NWWDA 101/I.S.2-97 for this product designation. The deflection data is recorded in this report for special code compliance and information only.*

2.1.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	22.5 psf (positive)	0.03"	0.21" max.
	22.5 psf (negative)	0.01"	0.21" max.
2.2.2.5.2	Deglazing Test per ASTM E 987 In operating direction - 70 lbs		
	Right sash, lock stile	0.13"/25%	0.50"/100%
	Right sash, jamb stile	0.13"/25%	0.50"/100%
	Left sash, lock stile	0.13"/25%	0.50"/100%
	Left sash, jamb stile	0.13"/25%	0.50"/100%
	In remaining direction - 50 lbs		
	Right sash, top rail	0.06"/13%	0.50"/100%
	Right sash, bottom rail	0.06"/13%	0.50"/100%
	Left sash, top rail	0.06"/13%	0.50"/100%
	Left sash, bottom rail	0.06"/13%	0.50"/100%

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #1: HS-R30 126 x 59 (XOX) (Continued)			
2.1.8	Forced Entry Resistance per ASTM F 588		
	Type: A	Grade: 10	
	Lock Manipulation Test	No entry	No entry
	Test A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry
Optional Performance			
4.3	Water Resistance per ASTM E 547 (with and without screen) 6.0 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection per ASTM E 330 (Deflections reported were taken on the meeting stile) (Loads were held for 52 seconds)		
	30.0 psf (positive)	0.77"	See Note #2
	30.0 psf (negative)	0.58"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330 (Permanent sets reported were taken on the meeting stile) (Loads were held for 10 seconds)		
	45.0 psf (positive)	0.08"	0.21" max.
	45.0 psf (negative)	0.10"	0.21" max.

Test Results: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
Test Specimen #2: HS-R40 71 x 59 (XO)			
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the meeting stile)		
	(Loads were held for 52 seconds)		
	40.0 psf (positive)	0.86"	See Note #2
	40.7 psf (negative)	0.72"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the meeting stile)		
	(Loads were held for 10 seconds)		
	60.0 psf (positive)	0.05"	0.22" max.
	61.1 psf (negative)	0.10"	0.22" max.
Test Specimen #3: HS-R35* 52 x 59			
Optional Performance			
4.4.1	Uniform Load Deflection per ASTM E 330		
	(Deflections reported were taken on the meeting stile)		
	(Loads were held for 52 seconds)		
	35.3 psf (positive)	0.48"	See Note #2
	50.0 psf (negative)	0.71"	See Note #2
4.4.2	Uniform Load Structural per ASTM E 330		
	(Permanent sets reported were taken on the meeting stile)		
	(Loads were held for 10 seconds)		
	53.0 psf (positive)	0.10"	0.22" max.
	75.0 psf (negative)	0.07"	0.22" 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 from the original test date. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced, except in full, without approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC:

Digitally Signed by: Mark A. Hess

Mark A. Hess
Technician

Digitally Signed by: Steven M. Urich

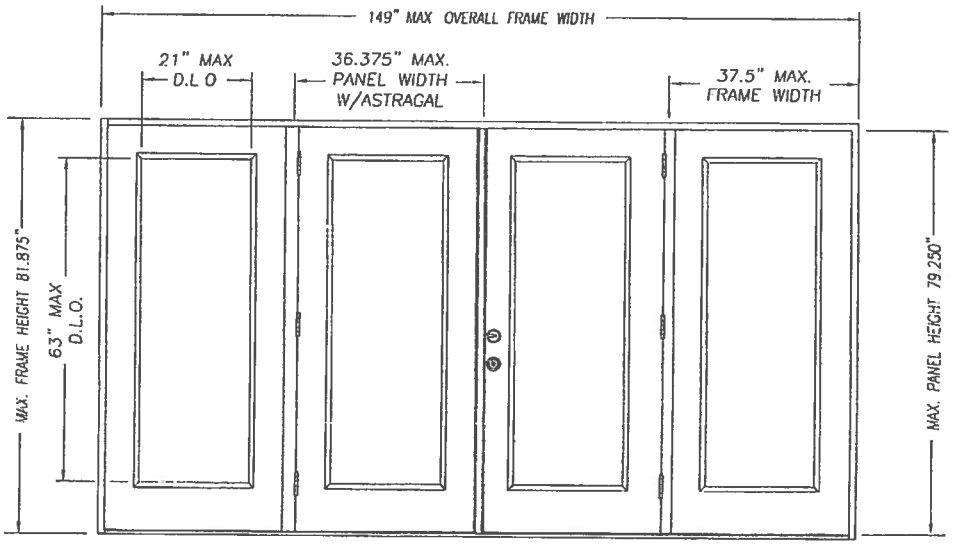
Steven M. Urich, P.E.
Senior Project Engineer

MAH:vlm

FI# 4904.1

Masonite

SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" GLAZED DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE INSWING UNIT W/SIDELITES

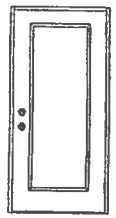
GENERAL NOTES

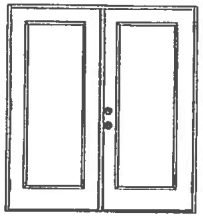
1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS REQUIRED
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

Addendum to NAMI
Certification No.: NI006110
Reviewed By:
Date Reviewed: 8/10/05


SINGLE DOOR UNIT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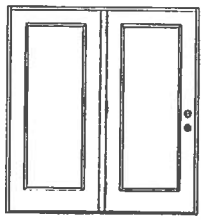
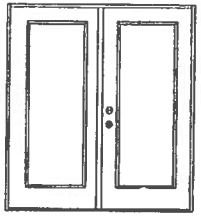

SINGLE DOOR UNIT WITH SIDELITE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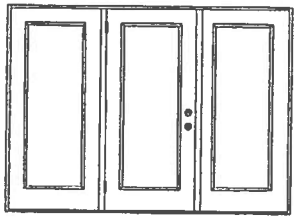

SINGLE DOOR UNIT W/SIDELITES

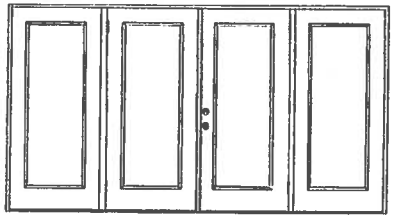

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
XX	74"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OX or XO	75"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OXO	112.5"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5
OXXO	149"	+50.5 / -50.5	+50.5 / -50.5	+19.0 / -19.0	+50.5 / -50.5

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

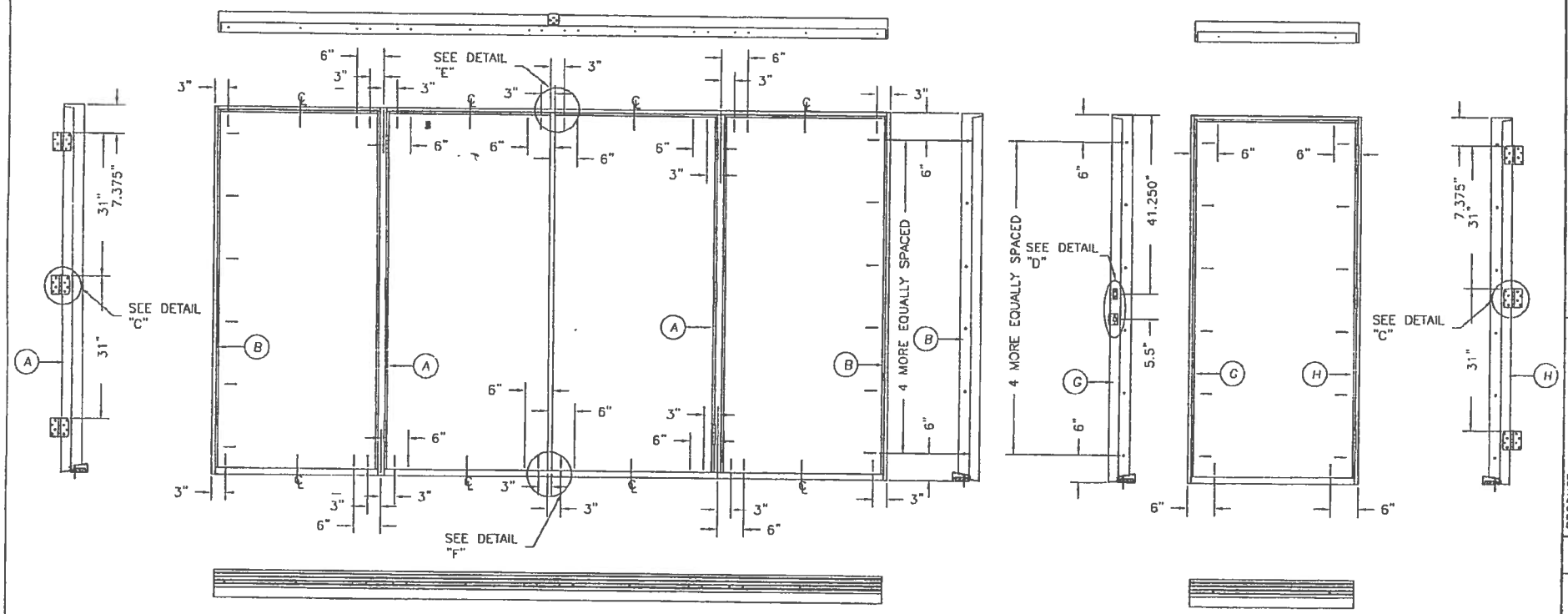
PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" GLAZED WOOD-EDGE STEEL DOOR

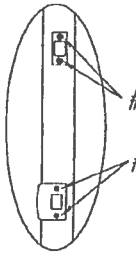
PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

REVISIONS

NO.	DATE	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0130-05
SHEET 1 OF 3





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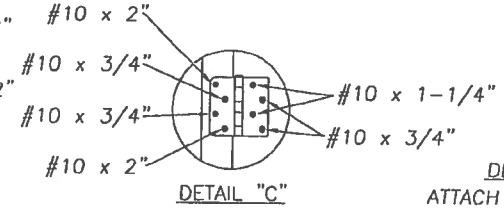

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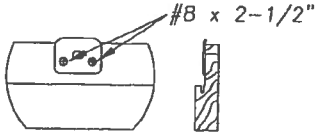
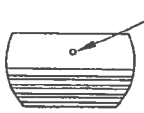


DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.



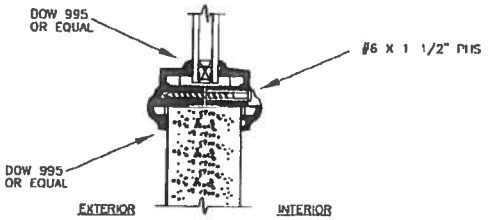
ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

DETAIL "F" ASTRAGAL

INSWING THRESHOLD

OUTSWING THRESHOLD

Addendum to NAMI
Certification No.: NT006110
Reviewed By:
Date Reviewed: 8/10/05



TYPICAL GLAZING DETAIL

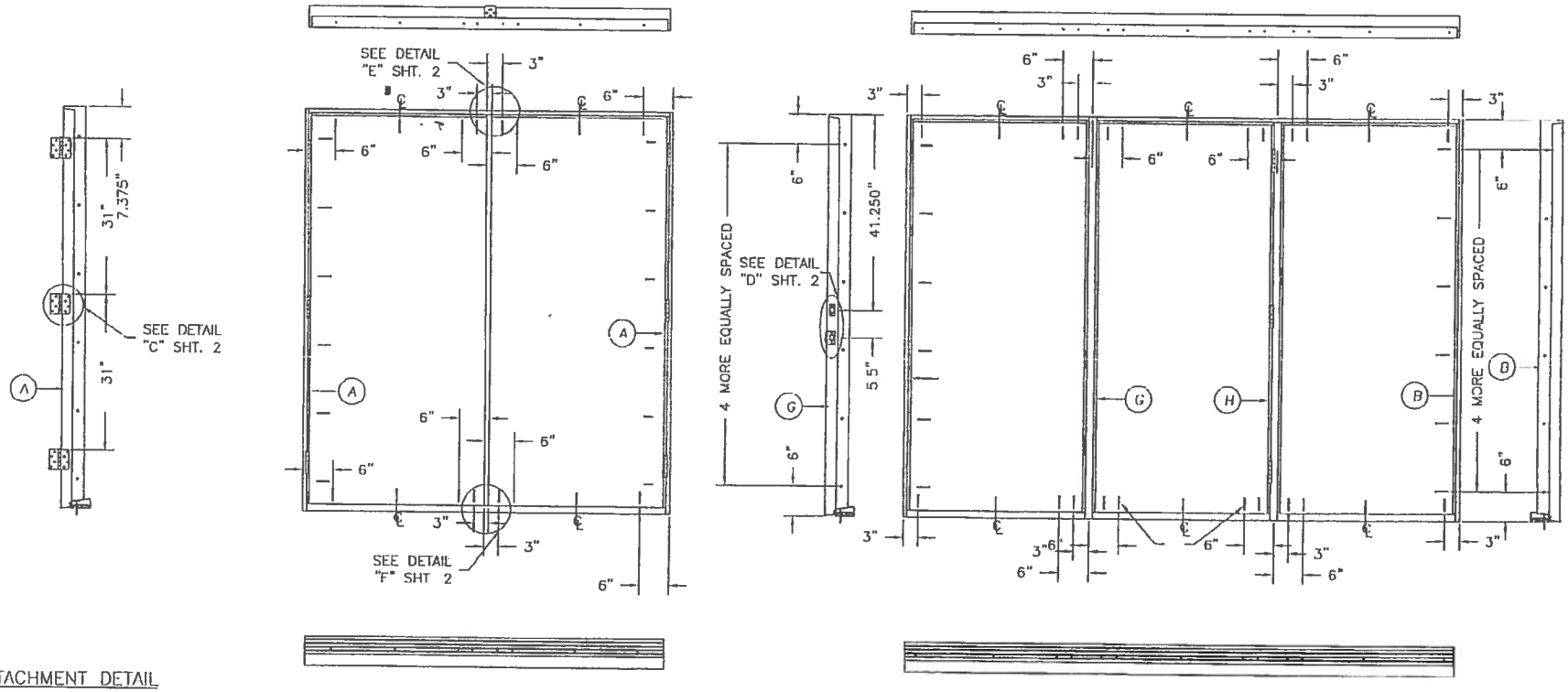
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: EXTERIOR DOOR PACKAGE DOUBLE 6'-8" GLAZED WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

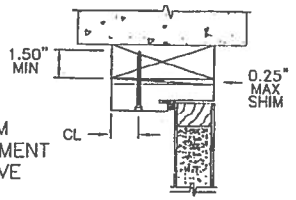
NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0130-05
SHEET 2 OF 3



ATTACHMENT DETAIL

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



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

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

Addendum to NAMI
Certification No: NI006110
Reviewed By:
Date Reviewed: 8/10/05

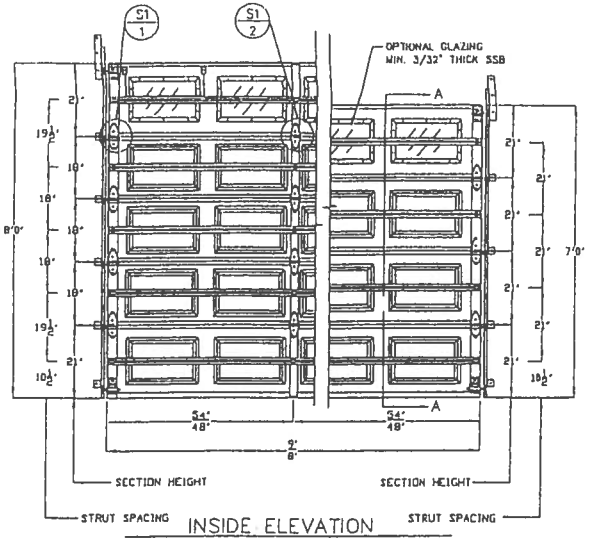
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

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

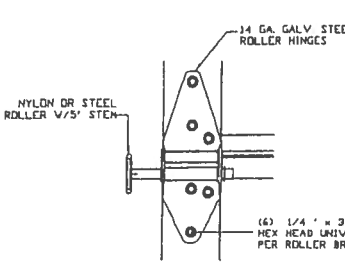
PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	REVISIONS	BY

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO: DWG-MA-FL0130-05
SHEET 3 OF 3



INSIDE ELEVATION



TYP. ROLLER BRACKET S1/1
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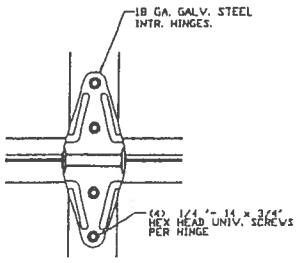

TYP. HINGE CONNECTION S1/2
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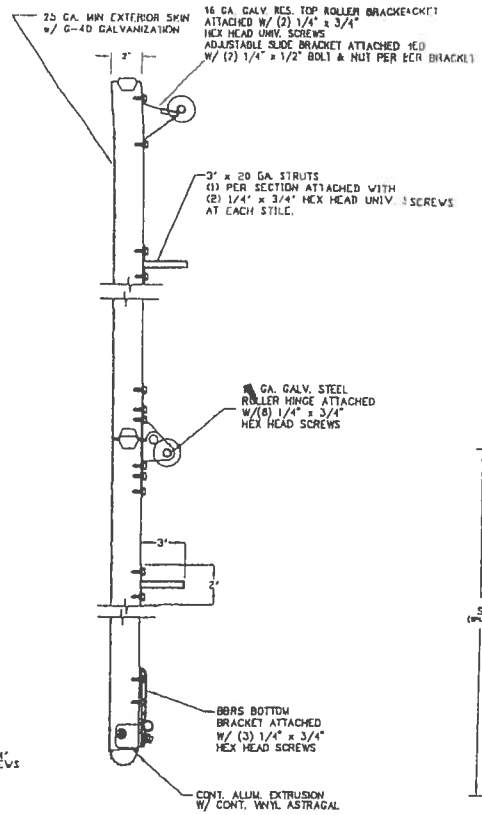
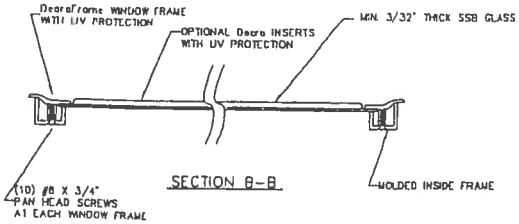


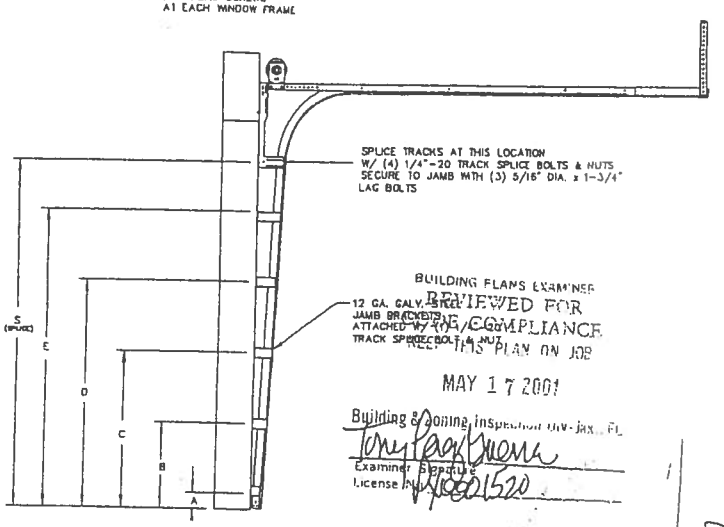
SECTION A-A (SIDE VIEW)

GLAZING OPTION CROSS SECTION

TEST No. SBC-580-011 ON OCTOBER 12, 1995 INCLUDED GLASS WINDOWS IN TIN DOOR BEING USED. THE TEST PRESSURES WERE +48.4 PSF AND -54.7 PSF. BY COMPARISION, FOUR (4) WINDOWS MAY BE INSTALLED IN (1) ONE SECTION OF THE 6' X 7' AND 8' X 8' MODEL 600 AND 850 DOORS.



SECTION B-B



TRACK CONFIGURATION FOR 6'6" UP TO 8' TALL DOORS

BUILDING PLANS EXAMINER
REVIEWED FOR
CODE COMPLIANCE
THIS PLAN ON JOB
MAY 17 2001
Building & Zoning Inspection Dev. Jax., FL
Examiner Signature
License No. 0001520

JAMB BRACKET LOCATIONS

	A	B	C	D	E	S
6'-6"	4"	21-1/2"	39"	57"		70"
7'-0"	4"	21-1/2"	42"	63"		76"
7'-6"	4"	18"	36"	54"	72"	82"
8'-0"	4"	21-1/2"	39"	57"	75"	88"

WOOD JAMB ATTACHMENT TO STRUCTURE

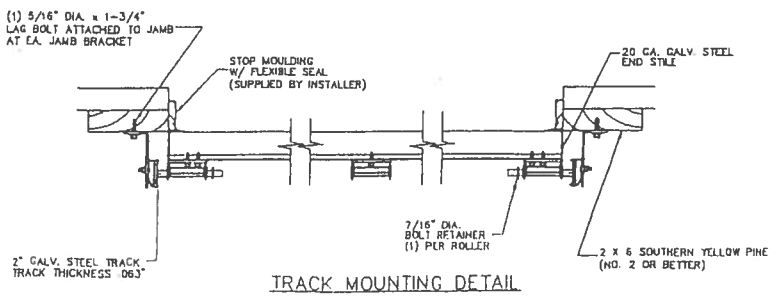
RATED FOR 110 MPH FASTEST-MILE BASIC WIND SPEEDS

VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C.
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET RED HEAD 3/8" X 3" STARTING 6" FROM ENDS THEN 24" O.C.

VERTICAL JAMB ATTACHMENT TO C-90 BLOCK
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C.
ITW/RAMSET TAPCON 1/4" X 2-3/4" STARTING 6" FROM ENDS. USE PAIRS OF FASTENERS (3" APART) AT 24" O.C.

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
**PREPARATION OF WOOD JAMBS BY OTHERS



TRACK MOUNTING DETAIL

SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 25 GA. (.018") MIN. ROLL FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION.
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330-80, AND THE SOUTHERN BUILDING CODE SECTION 1606 WIND LOAD DESIGN CRITERIA THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING THE FOLLOWING PARAMETERS
   A. BASIC WIND SPEED OF 110 MPH
   B. DOOR CAN BE INSTALLED WITH 8 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
   C. 15' MEAN ROOF HEIGHT AT ANY SLOPE
   D. USE FACTOR OF 1.0
   E. EXPOSURE RATING OF C

MAX SIZE 8' x 8'
DESIGN LOADS +28.7 PSF -31.3 PSF
TEST LOADS +43.0 PSF -46.8 PSF

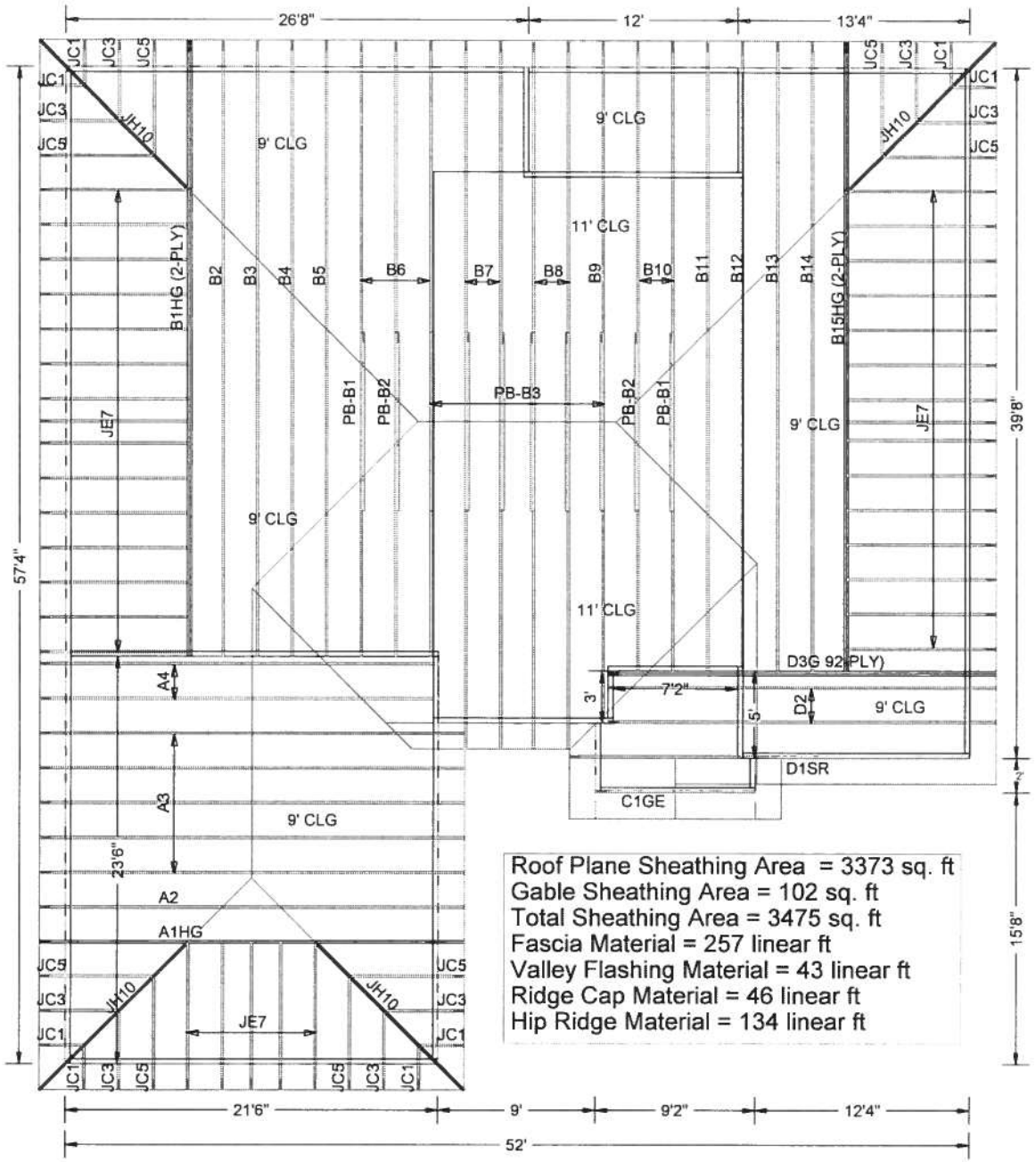
NO	DESCRIPTION OF REVISIONS	DATE	BY

Amarr Garage Doors
3991 Grant Creek Blvd. Winston-Salem, NC 27105

MODEL #600 STRATFORD
MODEL #850 HERITAGE III

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	CHECKED BY	DATE	SBC-580-007-J
SCALE: NOT TO SCALE			SHEET 1 OF 1

A1(9)0



Roof Plane Sheathing Area = 3373 sq. ft
Gable Sheathing Area = 102 sq. ft
Total Sheathing Area = 3475 sq. ft
Fascia Material = 257 linear ft
Valley Flashing Material = 43 linear ft
Ridge Cap Material = 46 linear ft
Hip Ridge Material = 134 linear ft

W.B. Howland Truss Co.
P.O. Box 700
Live Oak, FL 32064
(386) 362-1235
(386) 362-7124 (fax)

NOTES:

ALL VALLEYS TO BE CONV. FRAMED

ALL WALLS SHOWN ARE LOAD BEARING

ALL GABLE END TRUSSES HAVE A DROPPED TOP CHORD

ROOF PITCH:	8/12
CLG PITCH:	N/A
OVERHANG:	1'6" PLUMB CUT
LOADING:	40 PSF T.L./SHINGLE
WIND LOAD:	110 MPH/ENCLOSED
EXT WALLS:	2x4 FRAMING
DATE:	8/3/06

Job Name: Lot 12 Laurel Lakes II
Customer: J.L. DUPREE
Designer: Chris McCall

JOB NO:
3819

PAGE NO:
1 OF 1

PERMIT# _____

NOTICE OF COMMENCEMENT

STATE OF: FLORIDA COUNTY OF: Columbia CITY OF: Lake City

****

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.

****

DESCRIPTION OF PROPERTY

SECTION:_____TOWNSHIP:_____RANGE:_____TAX PARCEL #: 02732-212

LOT: 12 BLOCK:_____SUBDIVISION: Laurel Lakes

PLATBOOK #:_____MAP PAGE #:_____

STREET ADDRESS: 172 SW Birch Gln

****

GENERAL DESCRIPTION OF IMPROVEMENT

TO CONSTRUCT: residential

****

OWNER INFORMATION

NAME: Phoenix Land Development , PHONE NUMBER: 386-755-8851

ADDRESS: P.O. Box 2131 Lake City

STATE: Florida ZIP CODE: 32056

INTEREST IN THE PROPERTY: Owner

FEE SIMPLE TITLEHOLDER NAME (OTHER THAN OWNER): N/A

FEE SIMPLE TITLEHOLDER ADDRESS: N/A

****

CONTRACTOR NAME: Joseph L. Dupree, Jr. PHONE NUMBER: 386-754-5678

COMPANY NAME: J.L. Dupree Construction Services FAX NUMBER: 386-754-5431

ADDRESS: P.O. Box 2861 CITY: Lake City

STATE: Florida ZIP CODE: 32056

BONDING COMPANY: N/A PHONE NUMBER:_____

ADDRESS:_____FAX NUMBER:_____

CITY:_____STATE:_____ZIP CODE:_____

LENDER NAME: N/A PHONE NUMBER:_____

ADDRESS:_____FAX NUMBER:_____

CITY:_____STATE:_____ZIP CODE:_____

****

Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a), Florida Statute:

NAME:_____ADDRESS:_____

CITY:_____STATE: Florida ZIP CODE:_____

In addition to himself, the owner designates N/A of_____

To receive a copy of the Lienor's notice as provided in Section 713.13(1)(b) Florida Statutes.

****

Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): N/A

SIGNATURE OF OWNER: J L Dupree

Sworn to and subscribed before me this _____ day of _____, 20_____.

Known personally/I.D. Shown

Notary: Shannon Kasa My commission expires: 10-21, 2008

:2006024772 Date:10/18/2006 Time:11:39

DC,P.DeWitt Cason,Columbia County B:1094 P:1006

Notary Public
My Commission DD304938
Expires October 21 2008

Permit # 25066

Freeman Design Group inc

161 NW Madison Street, Suite #102
Lake City, FL. 32025
Tel: 386-758-4209
Fax: 386-758-4290
Cert. Of Auth. # 00008701

Engineers - Planners

Permit Number 25066 Address SW Birch Glenn

Description: Laurel Lake Lot #12

Foundation 12/3/06 date/app. By Monolithic 12/3/06 date/app. By

Under Slab Rough-in Plumbing 12/10/06 date/app. By

Slab 12/12/06 date/app. By Sheathing/Nailing 12/30/06 date/app. By

Rough-in plumbing above slab and below wood floor 1/10/07 date/app. By

Framing 1/10/07 date/app. By Electrical Rough-in 1/10/07 date/app. By

Heat & Air Duct 1/10/07 date/app. By Peri. Beam (Lintel) n/a date/app. By

Comments:

1/30/07

William H. Freeman P.E. #56001

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 03-4S-16-02732-212 **Building permit No.** 25066

Use Classification SINGLE FAMILY DWELLING **Fire:** 39.06

Permit Holder JL DUPREE CONSTRUCTION **Waste:** 117.25

Owner of Building PHOENIX LAND DEVELOPMENT **Total:** 156.31

Location: 172 SW BIRCH GLEN, LAKE CITY, FL (LAUREL LAKES, LOT 12)

Date: 3-12-07

John Kence

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)