

For Office Use Only Application # 0711-78 Date Received 11/30/07 By LH Permit # 1491/26492
 Application Approved by - Zoning Official BWK Date 12.12.07 Plans Examiner OKJH Date 12-4-07
 Flood Zone Area plot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.
 Comments Finish Floor Elevation to be 1 foot above Rd.

Applicants Name Trent Gieberg Const Phone 397-0545
 Address 697 SE Holly Terrace Lake City
 Owners Name Pete Gieberg Phone 752-7968
 911 Address 246 SW Vann Ct
 Contractors Name Trent Gieberg Phone 397-0545
 Address 697 SE Holly Terrace Lake City FL 32025
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Freeman
 Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 11-45-16-02911-310 Estimated Cost of Construction 90,000
 Subdivision Name Mayfair Lot 10 Block _____ Unit 3 Phase _____
 Driving Directions 247 South Right SW Vann Ct last on left

Type of Construction Frame Number of Existing Dwellings on Property 0
 Total Acreage _____ Lot Size .50 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 36' 5" Side 43' 10" Side 36' 3" Rear 39' 10"
 Total Building Height 17' 6" Number of Stories 1 Heated Floor Area 1608 Roof Pitch 6/12
 TOTAL 2312

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.

Trent Gieberg Const.
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
 this 28th day of November 2007.
 Personally known X or Produced Identification _____

Trent Gieberg
 Contractor Signature
 Contractors License Number PR28281523
 Competency Card Number 000141
 NOTARY STAMP/SEAL

Elaine K. Tolar
 Notary Signature
 ELAINE K. TOLAR
 MY COMMISSION # DD 436381
 EXPIRES: October 2, 2009
 Bonded Thru Notary Public Underwriters



Columbia County Property Appraiser

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

PARCEL: 11-4S-16-02911-310 - VACANT (000000)

Name: GIEBEIG PETER W	LandVal	\$38,000.00
Site: VANN	BldgVal	\$0.00
P O BOX 1384	ApprVal	\$38,000.00
Mail: LAKE CITY, FL 32056	JustVal	\$38,000.00
Sales	Assd	\$38,000.00
Info	Exmpt	\$0.00
	Taxable	\$38,000.00

0 120 240 360 ft

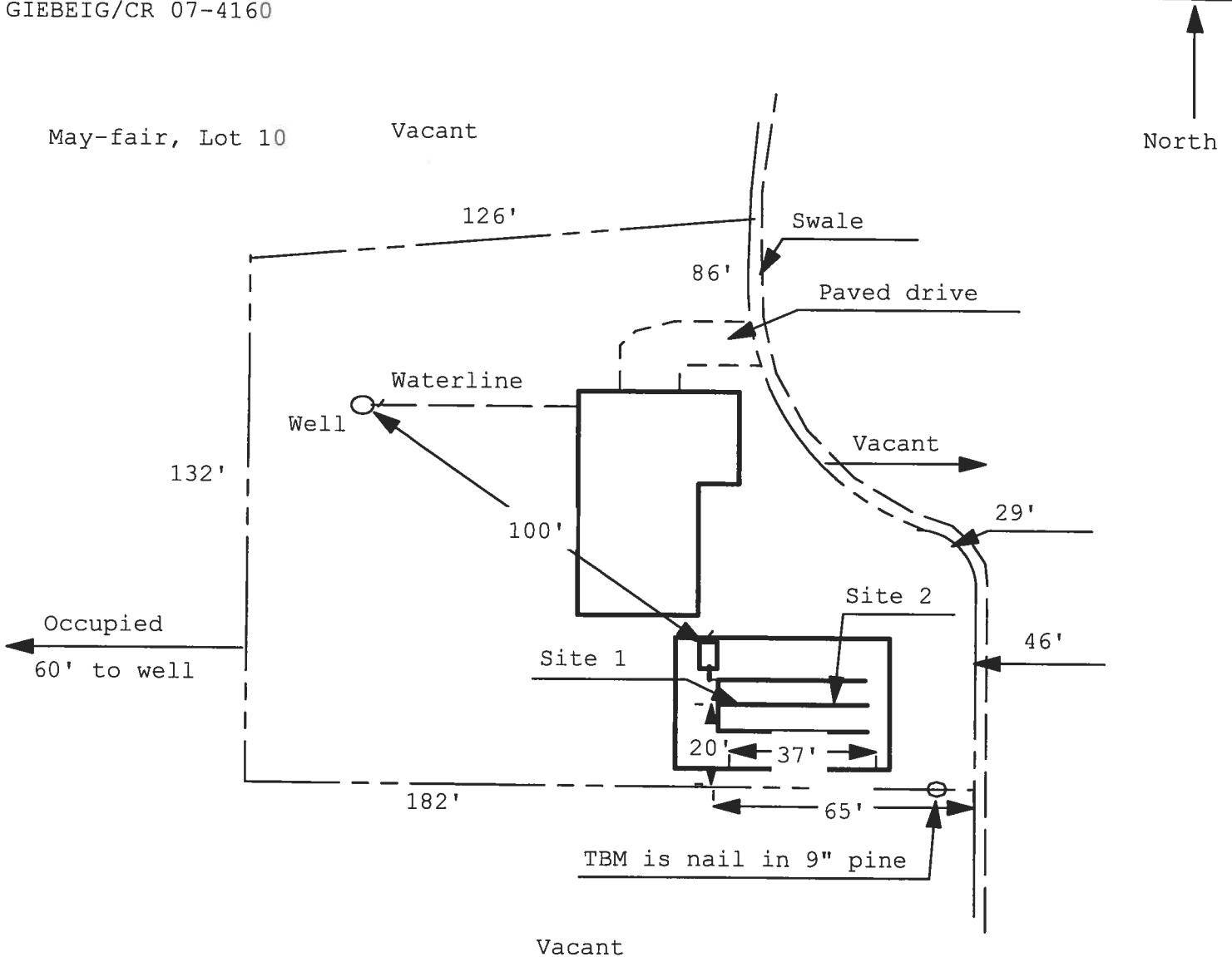


This information, GIS Map Updated: 11/15/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 07-0889

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 07-4160



1 inch = 40 feet

Site Plan Submitted By Paul Lloyd Date 11/9/07
Plan Approved ☒ Not Approved ☐ Date 11/26/07
By Mr. D. L. Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Mayfair #10-St. Johns Model**
 Address: _____
 City, State: _____,
 Owner: _____
 Climate Zone: **North**

Builder: **T. Geibeig**
 Permitting Office: **Columbia**
 Permit Number: **26492**
 Jurisdiction Number: **221000**

1. New construction or existing New _____
2. Single family or multi-family Single family _____
3. Number of units, if multi-family 1 _____
4. Number of Bedrooms 3 _____
5. Is this a worst case? No _____
6. Conditioned floor area (ft²) 1608 ft² _____
7. Glass type¹ and area: (Label reqd. by 13-104.4.5 if not default)
 - a. U-factor: Description Area
 - (or Single or Double DEFAULT) 7a. (Dble Default) 153.0 ft² _____
 - b. SHGC: 7b. (Clear) 153.0 ft² _____
 - (or Clear or Tint DEFAULT)
8. Floor types
 - a. Slab-On-Grade Edge Insulation R=0.0, 221.0(p) ft _____
 - b. N/A _____
 - c. N/A _____
9. Wall types
 - a. Frame, Wood, Exterior R=13.0, 1422.0 ft² _____
 - b. N/A _____
 - c. N/A _____
 - d. N/A _____
 - e. N/A _____
10. Ceiling types
 - a. Under Attic R=30.0, 1608.0 ft² _____
 - b. N/A _____
 - c. N/A _____
11. Ducts
 - a. Sup: Con. Ret: Con. AH: Interior Sup. R=6.0, 52.0 ft _____
 - b. N/A _____

12. Cooling systems
 - a. Central Unit/Split Cap: 32.0 kBtu/hr
 - SEER: 13.00 _____
 - b. N/A _____
 - c. N/A _____
13. Heating systems
 - a. Electric Heat Pump/Split Cap: 32.0 kBtu/hr
 - HSPF: 8.50 _____
 - b. N/A _____
 - c. N/A _____
14. Hot water systems
 - a. Electric Resistance Cap: 20.0 gallons
 - EF: 0.94 _____
 - b. N/A _____
 - c. Conservation credits _____
 - (HR-Heat recovery, Solar
 - DHP-Dedicated heat pump)
15. HVAC credits PT, CF, _____
 - (CF-Ceiling fan, CV-Cross ventilation,
 - HF-Whole house fan,
 - PT-Programmable Thermostat,
 - MZ-C-Multizone cooling,
 - MZ-H-Multizone heating)

Glass/Floor Area: 0.10

Total as-built points: 17829

Total base points: 22851

PASS

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

PREPARED BY: Debbie J. Motes

DATE: 11-6-07

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: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1608.0	18.59	5381.0	1.Double, Clear	N	1.0	6.0	30.0	19.20	0.98	561.0
				2.Double, Clear	N	1.0	6.0	20.0	19.20	0.98	374.0
				3.Double, Clear	S	1.0	6.0	24.0	35.87	0.94	812.0
				4.Double, Clear	S	1.0	6.0	30.0	35.87	0.94	1015.0
				5.Double, Clear	W	1.0	6.0	5.0	38.52	0.97	186.0
				6.Double, Clear	W	1.0	6.0	8.0	38.52	0.97	299.0
				7.Double, Clear	N	1.0	6.0	36.0	19.20	0.98	674.0
								As-Built Total:			153.0
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0			1422.0	1.50	2133.0	
Exterior	1422.0	1.70	2417.4								
Base Total: 1422.0 2417.4				As-Built Total:			1422.0			2133.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.0	4.10	135.3	
Exterior	33.0	6.10	201.3								
Base Total: 33.0 201.3				As-Built Total:			33.0			135.3	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1608.0	1.73	2781.8	1. Under Attic	30.0			1608.0	1.73 X 1.00	2781.8	
Base Total: 1608.0 2781.8				As-Built Total:			1608.0			2781.8	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	221.0(p)	-37.0	-8177.0	1. Slab-On-Grade Edge Insulation	0.0			221.0(p)	-41.20	-9105.2	
Raised	0.0	0.00	0.0								
Base Total: -8177.0				As-Built Total:			221.0			-9105.2	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
1608.0 10.21 16417.7							1608.0 10.21 16417.7				

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Summer Base Points: 19022.2				Summer As-Built Points: 16283.6									
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	= Cooling Points
19022.2		0.3250	6182.2	(sys 1: Central Unit 32000btuh , SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS) 16284 1.00 (1.00 x 1.147 x 0.91) 0.260 0.902 3988.2 16283.6 1.00 1.044 0.260 0.902 3988.2									

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X WPM X WOF = Points			
.18	1608.0	20.17	5838.0	1.Double, Clear	N	1.0	6.0	30.0	24.58	1.00	737.0
				2.Double, Clear	N	1.0	6.0	20.0	24.58	1.00	491.0
				3.Double, Clear	S	1.0	6.0	24.0	13.30	1.02	326.0
				4.Double, Clear	S	1.0	6.0	30.0	13.30	1.02	408.0
				5.Double, Clear	W	1.0	6.0	5.0	20.73	1.01	104.0
				6.Double, Clear	W	1.0	6.0	8.0	20.73	1.01	167.0
				7.Double, Clear	N	1.0	6.0	36.0	24.58	1.00	885.0
				As-Built Total:		153.0			3118.0		
WALL TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior	13.0			1422.0	3.40	4834.8	
Exterior	1422.0	3.70	5261.4								
Base Total:				As-Built Total:		1422.0			4834.8		
DOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.0	8.40	277.2	
Exterior	33.0	12.30	405.9								
Base Total:				As-Built Total:		33.0			277.2		
CEILING TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1608.0	2.05	3296.4	1. Under Attic	30.0			1608.0	2.05 X 1.00	3296.4	
Base Total:				As-Built Total:		1608.0			3296.4		
FLOOR TYPES											
Area X BWPM = Points				Type	R-Value			Area X WPM = Points			
Slab	221.0(p)	8.9	1966.9	1. Slab-On-Grade Edge Insulation	0.0			221.0(p)	18.80	4154.8	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:		221.0			4154.8		
INFILTRATION											
Area X BWPM = Points							Area X WPM = Points				
1608.0 -0.59 -948.7							1608.0 -0.59			-948.7	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE			AS-BUILT					
Winter Base Points: 15819.9			Winter As-Built Points: 14732.5					
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
15819.9	0.5540	8764.2	(sys 1: Electric Heat Pump 32000 btuh , EFF(8.5) Ducts: Con(S), Con(R), Int(AH), R6.0 14732.5	1.000	(1.000 x 1.169 x 0.93)	0.401	0.950	6104.3
15819.9	0.5540	8764.2	14732.5	1.00	1.087	0.401	0.950	6104.3

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING										
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier X Credit = Total Multiplier
3		2635.00		7905.0	20.0	0.94	3		1.00	2578.94
					As-Built Total:					7736.8

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
6182		8764		7905	3988		6104		7737
22851					17829				

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 88.7

The higher the score, the more efficient the home.

1. New construction or existing	New	___	12. Cooling systems	
2. Single family or multi-family	Single family	___	a. Central Unit/Split	Cap: 32.0 kBtu/hr
3. Number of units, if multi-family	1	___		SEER: 13.00
4. Number of Bedrooms	3	___	b. N/A	___
5. Is this a worst case?	No	___	c. N/A	___
6. Conditioned floor area (ft ²)	1608 ft ²	___		___
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		___	13. Heating systems	
a. U-factor:	Description Area		a. Electric Heat Pump/Split	Cap: 32.0 kBtu/hr
(or Single or Double DEFAULT)	7a. (Dble Default) 153.0 ft ²	___		HSPF: 8.50
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 153.0 ft ²	___	c. N/A	___
8. Floor types		___		___
a. Slab-On-Grade Edge Insulation	R=0.0, 221.0(p) ft	___	14. Hot water systems	
b. N/A	___	___	a. Electric Resistance	Cap: 20.0 gallons
c. N/A	___	___		EF: 0.94
9. Wall types		___	b. N/A	___
a. Frame, Wood, Exterior	R=13.0, 1422.0 ft ²	___	c. Conservation credits	___
b. N/A	___	___	(HR-Heat recovery, Solar	
c. N/A	___	___	DHP-Dedicated heat pump)	
d. N/A	___	___	15. HVAC credits	PT, CF, ___
e. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		___	HF-Whole house fan,	
a. Under Attic	R=30.0, 1608.0 ft ²	___	PT-Programmable Thermostat,	
b. N/A	___	___	MZ-C-Multizone cooling,	
c. N/A	___	___	MZ-H-Multizone heating)	
11. Ducts		___		
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 52.0 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 at 850/487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.5.2)

BUILDING INPUT SUMMARY REPORT

PROJECT	Title:	Mayfair #10-St. Johns Model	Family Type:	Single	Address Type:	Street Address		
	Owner:	(blank)	New/Existing:	New	Lot #:	N/A		
	# of Units:	1	Bedrooms:	3	Subdivision:	N/A		
	Builder Name:	T. Geibeig	Conditioned Area:	1608	Platbook:	N/A		
	Climate:	North	Total Stories:	1	Street:	(blank)		
	Permit Office:	(blank)	Worst Case:	No	County:	(blank)		
	Jurisdiction #:	(blank)	Rotate Angle:	(blank)	City, St, Zip:	, ,		
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	221.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	33.0 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	1608.0 ft²	1608.0 ft²	1		
						Credit Multipliers: None		
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit/Split	SEER: 13.00	32.0 kBtu/hr				
						Credit Multipliers: Ceil Fn, PT		
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1422.0 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump/Split	HSPF: 8.50	32.0 kBtu/hr				
						Credit Multipliers: PT		
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	N	15.0 ft²	1.0 ft	6.0 ft	2
	2	Double	Clear	N	20.0 ft²	1.0 ft	6.0 ft	1
	3	Double	Clear	S	24.0 ft²	1.0 ft	6.0 ft	1
	4	Double	Clear	S	30.0 ft²	1.0 ft	6.0 ft	1
	5	Double	Clear	W	5.0 ft²	1.0 ft	6.0 ft	1
	6	Double	Clear	W	8.0 ft²	1.0 ft	6.0 ft	1
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Cond.	Cond.	Interior	6.0	52.0 ft		
						Credit Multipliers: None		
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.94	20.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0		
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp		
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric		
	Area Under Incandescent:	1608.0	Leak Free Duct System Proposed:	No	Stove Type:	Electric		
	NOTE: Not all Rating info shown		HRV/ERV System Present?:	No	Avg Ceil Hgt:			

Residential System Sizing Calculation

Summary

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

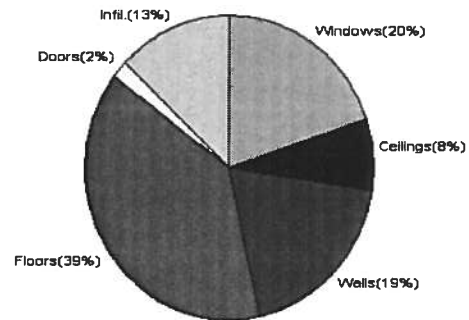
11/6/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	24692	Btuh	Total cooling load calculation	14677	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	129.6	32000	Sensible (SHR = 0.75)	186.5	24000
Heat Pump + Auxiliary(0.0kW)	129.6	32000	Latent	441.9	8000
			Total (Electric Heat Pump)	218.0	32000

WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

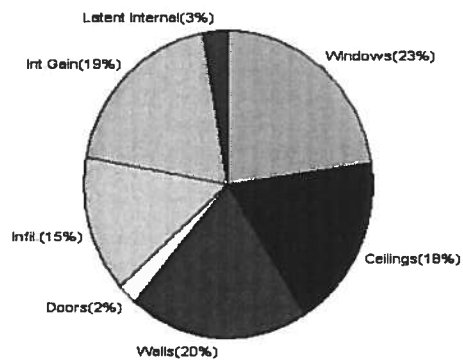
Load component		Load
Window total	153 sqft	4925 Btuh
Wall total	1422 sqft	4670 Btuh
Door total	33 sqft	427 Btuh
Ceiling total	1608 sqft	1895 Btuh
Floor total	221 sqft	9649 Btuh
Infiltration	77 cfm	3126 Btuh
Duct loss		0 Btuh
Subtotal		24692 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		24692 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component		Load
Window total	153 sqft	3336 Btuh
Wall total	1422 sqft	2966 Btuh
Door total	33 sqft	323 Btuh
Ceiling total	1608 sqft	2663 Btuh
Floor total		0 Btuh
Infiltration	39 cfm	718 Btuh
Internal gain		2860 Btuh
Duct gain		0 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		12867 Btuh
Latent gain(ducts)		0 Btuh
Latent gain(infiltration)		1410 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		400 Btuh
Total latent gain		1810 Btuh
TOTAL HEAT GAIN		14677 Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Debbie A. Motes

DATE: 11-6-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/6/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	N	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
4	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	W	5.0		32.2	161 Btuh
6	2, Clear, Metal, 0.87	W	8.0		32.2	258 Btuh
7	2, Clear, Metal, 0.87	N	36.0		32.2	1159 Btuh
Window Total			153(sqft)			4925 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1422		3.3	4670 Btuh
Wall Total			1422			4670 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	427 Btuh
Door Total			33			427 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1608		1.2	1895 Btuh
Ceiling Total			1608			1895 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	221.0 ft(p)		43.7	9649 Btuh
Floor Total			221			9649 Btuh
Envelope Subtotal:						21566 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	14472	1422	77.2	3126 Btuh
Ductload	(DLM of 0.000)					0 Btuh
All Zones	Sensible Subtotal All Zones					24692 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24692 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24692 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

11/6/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	32000 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)



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

11/6/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	N	30.0		32.2	966 Btuh
2	2, Clear, Metal, 0.87	N	20.0		32.2	644 Btuh
3	2, Clear, Metal, 0.87	S	24.0		32.2	773 Btuh
4	2, Clear, Metal, 0.87	S	30.0		32.2	966 Btuh
5	2, Clear, Metal, 0.87	W	5.0		32.2	161 Btuh
6	2, Clear, Metal, 0.87	W	8.0		32.2	258 Btuh
7	2, Clear, Metal, 0.87	N	36.0		32.2	1159 Btuh
Window Total			153(sqft)			4925 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1422		3.3	4670 Btuh
Wall Total			1422			4670 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		33		12.9	427 Btuh
Door Total			33			427Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1608		1.2	1895 Btuh
Ceiling Total			1608			1895Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	221.0 ft(p)		43.7	9649 Btuh
Floor Total			221			9649 Btuh
Zone Envelope Subtotal:						21566 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
	Natural	0.32	14472	1422	77.2	3126 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond){DLM of 0.000}					0 Btuh
Zone #1	Sensible Zone Subtotal					24692 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24692 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24692 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

11/6/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	32000 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)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

11/6/2007

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560	Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	20.0	0.0	20.0	19	19	374	Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	24.0	24.0	0.0	19	23	448	Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560	Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	5.0	0.0	5.0	19	55	277	Btuh
6	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	8.0	0.0	8.0	19	55	443	Btuh
7	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	36.0	0.0	36.0	19	19	673	Btuh
	Window Total				153 (sqft)					3336 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1422.0			2.1		2966 Btuh	
	Wall Total				1422 (sqft)					2966 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				33.0			9.8		323 Btuh	
	Door Total				33 (sqft)					323 Btuh	
Ceilings	Type/Color/Surface		R-Value		Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle		30.0		1608.0			1.7		2663 Btuh	
	Ceiling Total				1608 (sqft)					2663 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab On Grade		0.0		221 (ft(p))			0.0		0 Btuh	
	Floor Total				221.0 (sqft)					0 Btuh	
	Envelope Subtotal:									9288 Btuh	
Infiltration	Type		ACH		Volume(cuft) wall area(sqft)			CFM=		Load	
	SensibleNatural		0.16		14472 1422			77.2		718 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			2		X 230 +			2400		2860 Btuh	
	Sensible Envelope Load:									12867 Btuh	
Duct load	(DGM of 0.000)									0 Btuh	
	Sensible Load All Zones									12867 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

11/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12867 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12867 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12867 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1410 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1810 Btuh
	TOTAL GAIN	14677 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	32000 Btuh
-----------------------	----------------------	------------

*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

11/6/2007

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560	Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	20.0	0.0	20.0	19	19	374	Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	24.0	24.0	0.0	19	23	448	Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560	Btuh
5	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	5.0	0.0	5.0	19	55	277	Btuh
6	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	8.0	0.0	8.0	19	55	443	Btuh
7	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	36.0	0.0	36.0	19	19	673	Btuh
Window Total					153 (sqft)					3336 Btuh	
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load	
1	Frame - Wood - Ext	13.0/0.09			1422.0			2.1		2966 Btuh	
Wall Total					1422 (sqft)					2966 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				33.0			9.8		323 Btuh	
Door Total					33 (sqft)					323 Btuh	
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load	
1	Vented Attic/DarkShingle	30.0			1608.0			1.7		2663 Btuh	
Ceiling Total					1608 (sqft)					2663 Btuh	
Floors	Type	R-Value			Size			HTM		Load	
1	Slab On Grade	0.0			221 (ft(p))			0.0		0 Btuh	
Floor Total					221.0 (sqft)					0 Btuh	
Zone Envelope Subtotal:										9288 Btuh	
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=	
	SensibleNatural	0.16			14472			1422		38.6	
Internal gain	Occupants			Btuh/occupant			Appliance		Load		
	2			X 230			+		2400		
Sensible Envelope Load:										12867 Btuh	
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond) (DGM of 0.000)								0 Btuh		
Sensible Zone Load										12867 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

11/6/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12867 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12867 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12867 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1410 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1810 Btuh
	TOTAL GAIN	14677 Btuh

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	32000 Btuh
-----------------------	----------------------	------------

*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Project Title:
Mayfair #10-St. Johns Model

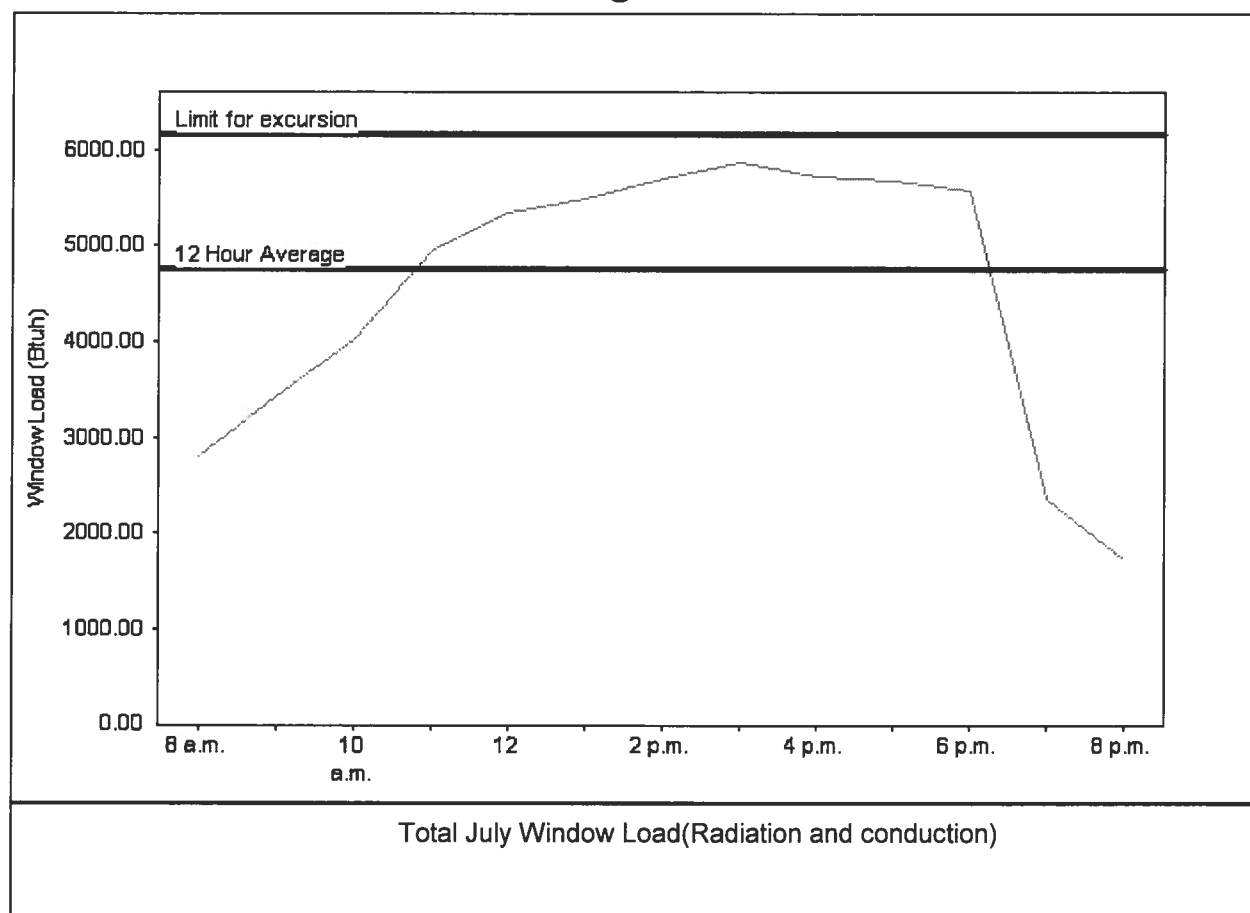
Code Only
Professional Version
Climate: North

11/6/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4745 Btuh
Summer setpoint	75 F	Peak window load for July	5873 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	6168 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Debbie Motes

DATE: 11-6-07



EnergyGauge® FLRCPB v4.5.2

**Columbia County Building Department
Culvert Permit**

24492
Culvert Permit No.
000001491

DATE 12/10/2007 PARCEL ID # 11-4S-16-02911-310
APPLICANT TRENT GIEBEIG PHONE 397-0545
ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32025
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 246 SW VANN COURT LAKE CITY FL 32055
CONTRACTOR TRENT GIEGEIG PHONE 397-0545
LOCATION OF PROPERTY 247S. TR ON MAYFAIR LANE. TR ON VANN COURT, LAST LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAYFAIR 10

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





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Tamko Roofing Products, Inc.
P.O. Box 1404
Joplin, MO 64802

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 1 of 4

ROOFING ASSEMBLY APPROVAL

Category: Roofing
Sub-Category: 07310 Composition Shingles
Materials: Dimensional
Deck Type: Wood

1. SCOPE:

This approves **Tamko Heritage Declaration and Heritage XL** Asphalt Shingles, manufactured by **Tamko Roofing Products, Inc.** as described in this Notice of Acceptance.

2. PRODUCT DESCRIPTION

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Heritage Declaration & Heritage XL	12" x 36"	TAS 110	A heavy weight dimensional asphalt shingle.

3. EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
PRI Asphalt Technologies, Inc.	TAS 100	TAP-066-02-01 TAP-073-02-01	01/09/03 05/20/03
Underwriters Laboratories, Inc.	ASTM D 3462	R2919	06/12/03
Underwriters Laboratories, Inc.	TAS 107	03CA08442	06/12/03

4. LIMITATIONS

- 4.1 Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
- 4.2 Shall not be installed on roof mean heights in excess of 33 ft.
- 4.3 All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

5. INSTALLATION

- 5.1 Shingles shall be installed in accordance with Roofing Application Standard RAS 115.
- 5.2 The manufacturer shall provide clearly written application instructions.
- 5.3 Exposure and course layout shall be in compliance with Detail 'A', attached.
- 5.4 Nailing shall be in compliance with Detail 'B', attached.

6. LABELING

- 5.1 Shingles shall be labeled with the Miami-Dade Logo or the wording "Miami-Dade County-Product Control Approved".

7. BUILDING PERMIT REQUIREMENTS

- 7.1 Application for building permit shall be accompanied by copies of the following:
 - 7.1.1 This Notice of Acceptance.
 - 7.1.2 Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.

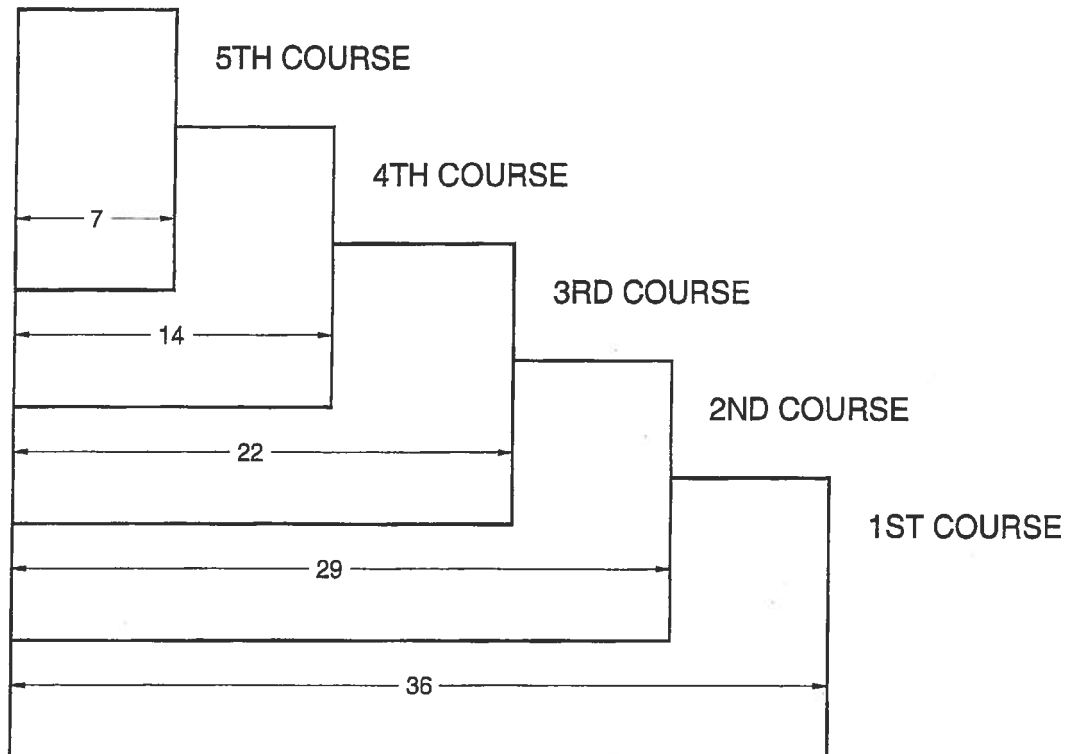


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 2 of 4

DETAIL A

HERITAGE DECLARATION & XL

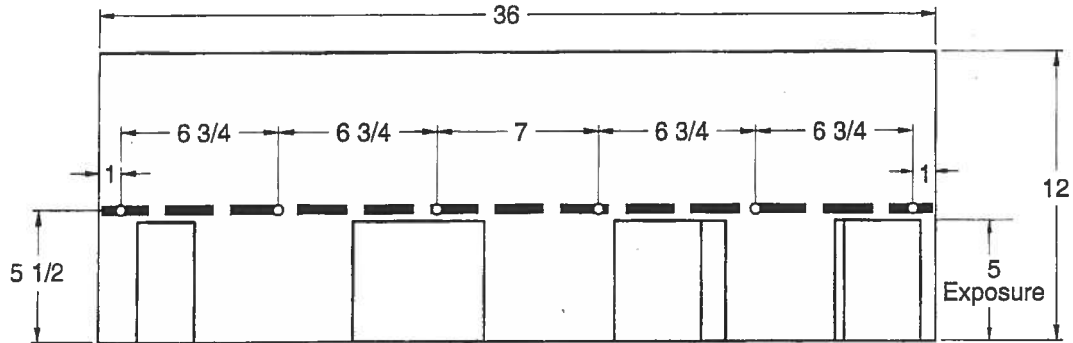
All dimensions are in inches.



DETAIL B

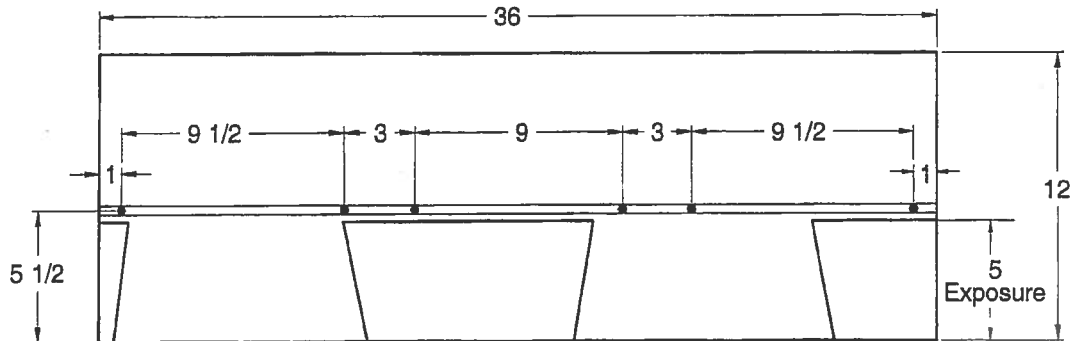
HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE
All dimensions are in inches.



END OF THIS ACCEPTANCE



NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 4 of 4



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
108 Mutzfeld Road
Butler, IN 46721

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by the BCCO and accepted by the Building Code and Product Review Committee (BCPRC) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The BCCO (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BCPRC reserves the right to revoke this acceptance, if it is determined by BCCO that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County or Florida Building Code.

DESCRIPTION: Outswing Glazed Residential Steel Door w/Sidelites

APPROVAL DOCUMENT: Drawing No. S-2003, titled "Therma-Tru Wood edge Outswing", sheets 1 through 6 to 6, prepared by RW Consulting, dated 3/9/01, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 00-0207.06 and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Raul Rodriguez**.



NOA No 02-0418.01
Expiration Date: April 05, 2007
Approval Date: May 23, 2002
Page 1

THERMA-TRU®

"CONSTRUCTION" AND "PREMIUM" SERIES
INSULATED STEEL DOOR WITH WOOD FRAMES.

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. MIAMI-DADE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED.
5. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
6. SIDELITES ARE AN OPTION AND CAN BE IN A SINGLE OR DOUBLE CONFIGURATION.

RESIDENTIAL INSULATED STEEL DOOR (Common to all frame conditions)

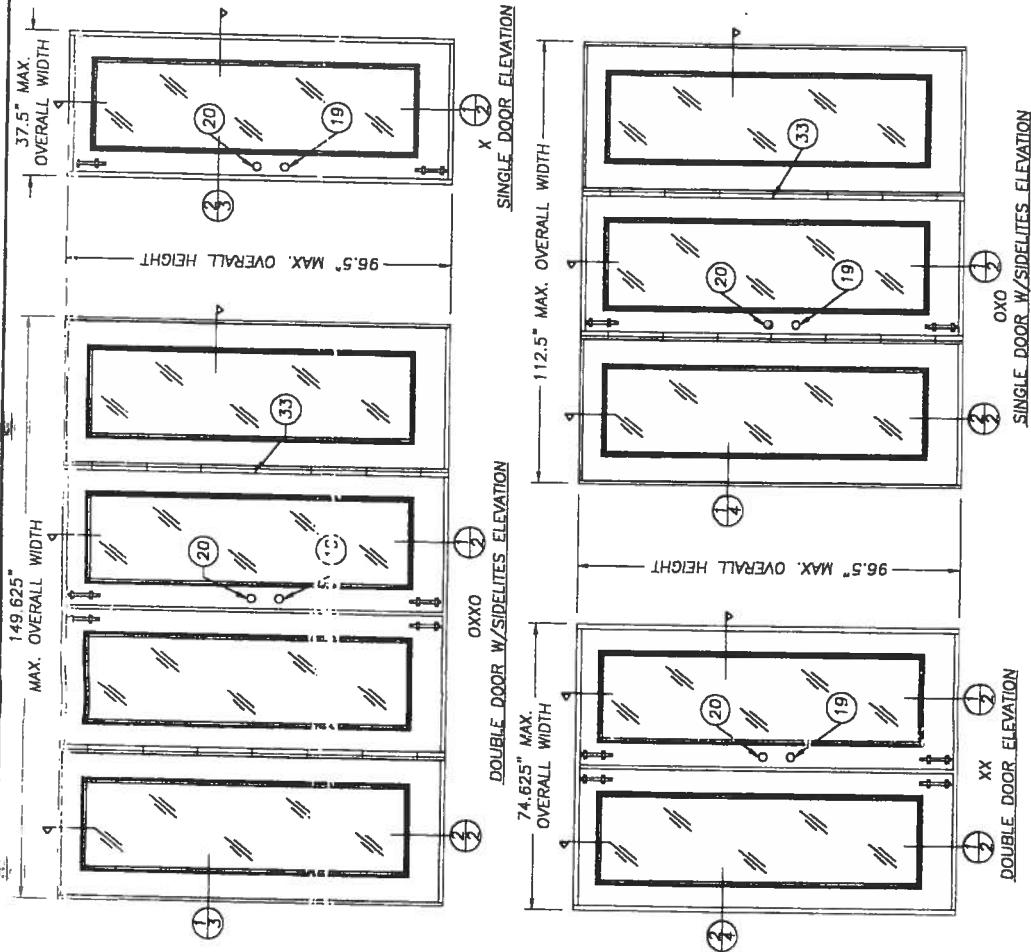
Door Leaf Construction:
Face sheets: 25 GA.(0.018") minimum thickness, galvanized steel A-525 commercial quality - AKQOQ per ASTM 620 with yield strength $F_y(\min.)=47,000$ psi
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.
Construction: Flush or embossed type. The vertical edges of the skin, are rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood composite and rolls are butt jointed to stiles at corners. Panels are sandwich glazed using a two piece PVC lite frame with mitered & welded corners.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS & DOOR MODELS
4	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
5	ANCHORING LOCATIONS
6	ANCHORING LOCATIONS

DESIGN PRESSURE RATING

WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	
POSITIVE	+ 48.0 PSF
NEGATIVE	- 51.0 PSF



ALL DOOR MODELS ARE VIEWED
FROM THE INTERIOR SIDE
(OUTSWING DOORS)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-2018-01
Expiration Date 01/01/2021
By: [Signature]
Miami-Dade Product Control
DKT/ada

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 02/05/2001
BY: [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 02-2018-01

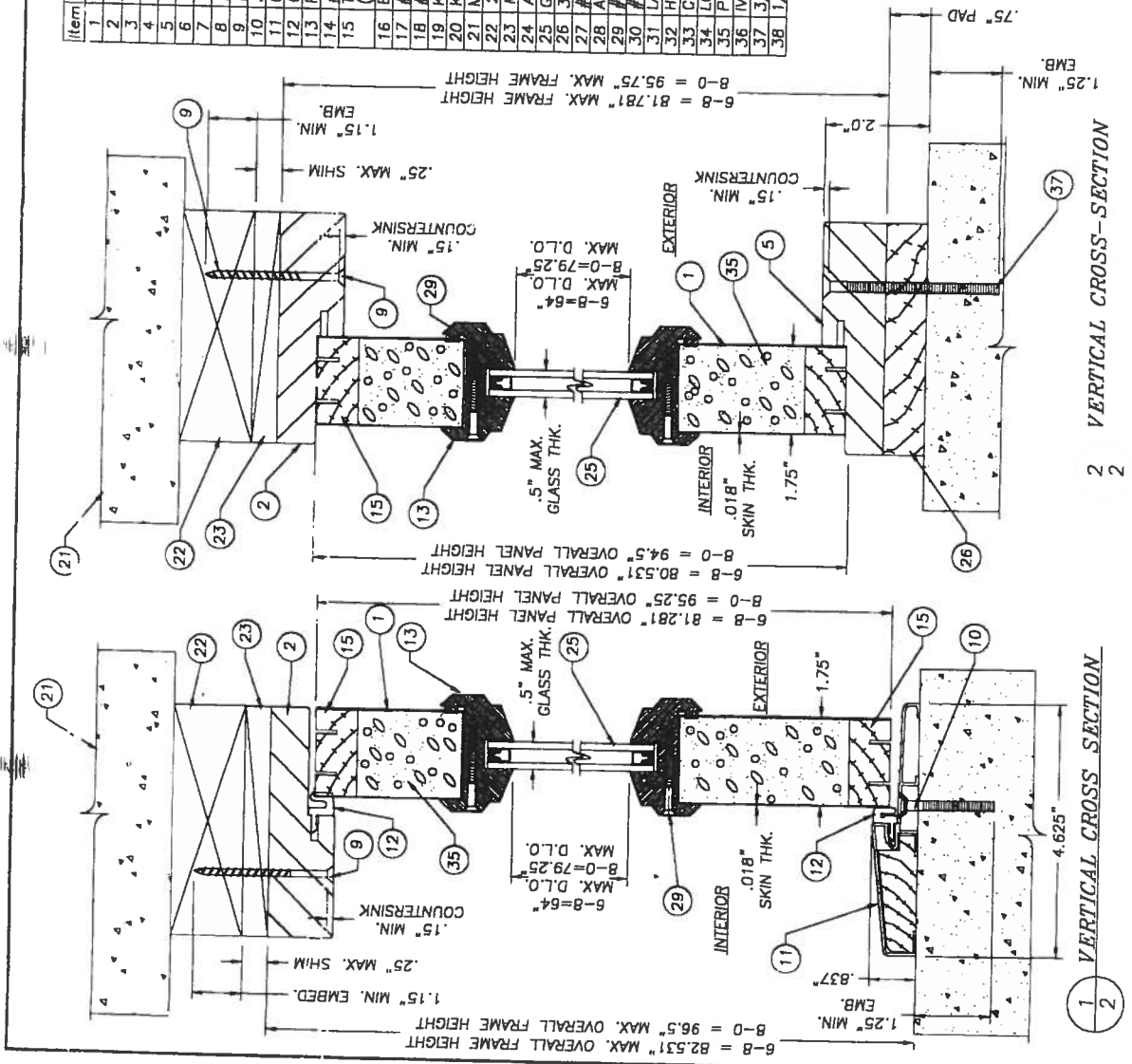
RW BUILDING
CONSULTANTS, INC.
813.684.3831

NO.	DATE	REVISIONS
2	3/09/01	GENERAL REVISION
1	4/11/00	GENERAL REVISION

PRODUCT:
THERMA TRU WOODEDGE
OUTSWING UP TO 12-0 x
8-0 W/3-0 SIDELITES
PART OR ASSEMBLY:
ELEVATIONS AND
GENERAL NOTES

THERMA-TRU®
108 MUTZFELD RD.
BUTLER, IN 46211
PH. (219) 868-5811

SHEET 1 OF 6



Item	DESCRIPTION	MATERIAL
1	CONSTRUC. SERIES DOOR (25GA. .018\" MIN.)	STEEL
2	4 1/2\" LATCH JAMB (THERMA-TRU)	WOOD
3	4 1/2\" LATCH JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
4	4 1/2\" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
5	4 1/2\" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
6	4\" x 4\" HINGE .097\" THK. (THERMA-TRU)	STEEL
7	4\" x 3/4\" LG. (Hinge to Frame)	STEEL
8	4\" x 3/4\" LG. WOOD SCREW	STEEL
9	3/16\" TAPCON ANCHOR (ELCO 1.75\" MIN. LG.)	STEEL
10	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU)	ALUM./WOOD
11	COMPRESSION WEATHERSTRIP (THERMA-TRU)	PVC
12	PLASTIC UP LITE FRAME (PVC, THERMA-TRU)	STEEL
13	#10 x 1 1/4\" LG. TYPE \"A\" FLATHEAD	WOOD
14	TOP & BOTTOM RAIL (1.75\" x 1.625\")	WOOD
15	BLANK SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
16	#10 x 1 1/2\" LG. TYPE \"AB\" PANHEAD	STEEL
17	#10 x 1 1/2\" LG. TYPE \"AB\" PANHEAD	STEEL
18	KWIKSET 200 DL PASSAGE	STEEL
19	KWIKSET 660 DEADBOLT	STEEL
20	MASONRY WALL	WOOD
21	2x WOOD BUCK	WOOD
22	MAX. 1/4\" SHIM MATERIAL	WOOD
23	ASTRAGAL .052\" WALL THK.	WOOD/ALUM.
24	GLAZING, 1/2\" INSULATED TEMPERED GLASS	GLASS
25	3/4\" THK. PRESSURE TREATED SIDELITE PAD	WOOD
26	#12 x 1/2\" LG. PANHEAD SHEET METAL SCREW	STEEL
27	ASTRAGAL WEATHERSTRIP	VINYL
28	#16-18 x 1 3/4\" PHILLIPS FLATHEAD SCREW	STEEL
29	LATCH SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
30	HINGE SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
31	CORRUGATED STAPLE FASTENER (1 1/2\" x 3/4\")	STEEL
32	LOCK BLOCK (4\" x 11\" x 1.625\")	WOOD
33	POLYURETHANE FOAM (BASF, 1.9lb. DENSITY)	FOAM
34	IVES SURFACE BOLT (25\" STEEL)	STEEL
35	3/16\" TAPCON ANCHOR (ELCO 3.25\" MIN. LG.)	STEEL
36	1/8\" THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	STEEL

NOTE:
SIDELITE IS DIRECT SET INTO JAMB WITH
#10 x 2\" PH.F.H. WOOD SCREWS AT 6\"
FROM EACH END AND A MAX. OF 12\"
O.C. ON VERTICAL LEG JAMBS ONLY.

THERMA-TRU®
108 MUTZFELD RD.
BUTLER, IN 46721
PH. (219) 868-5811

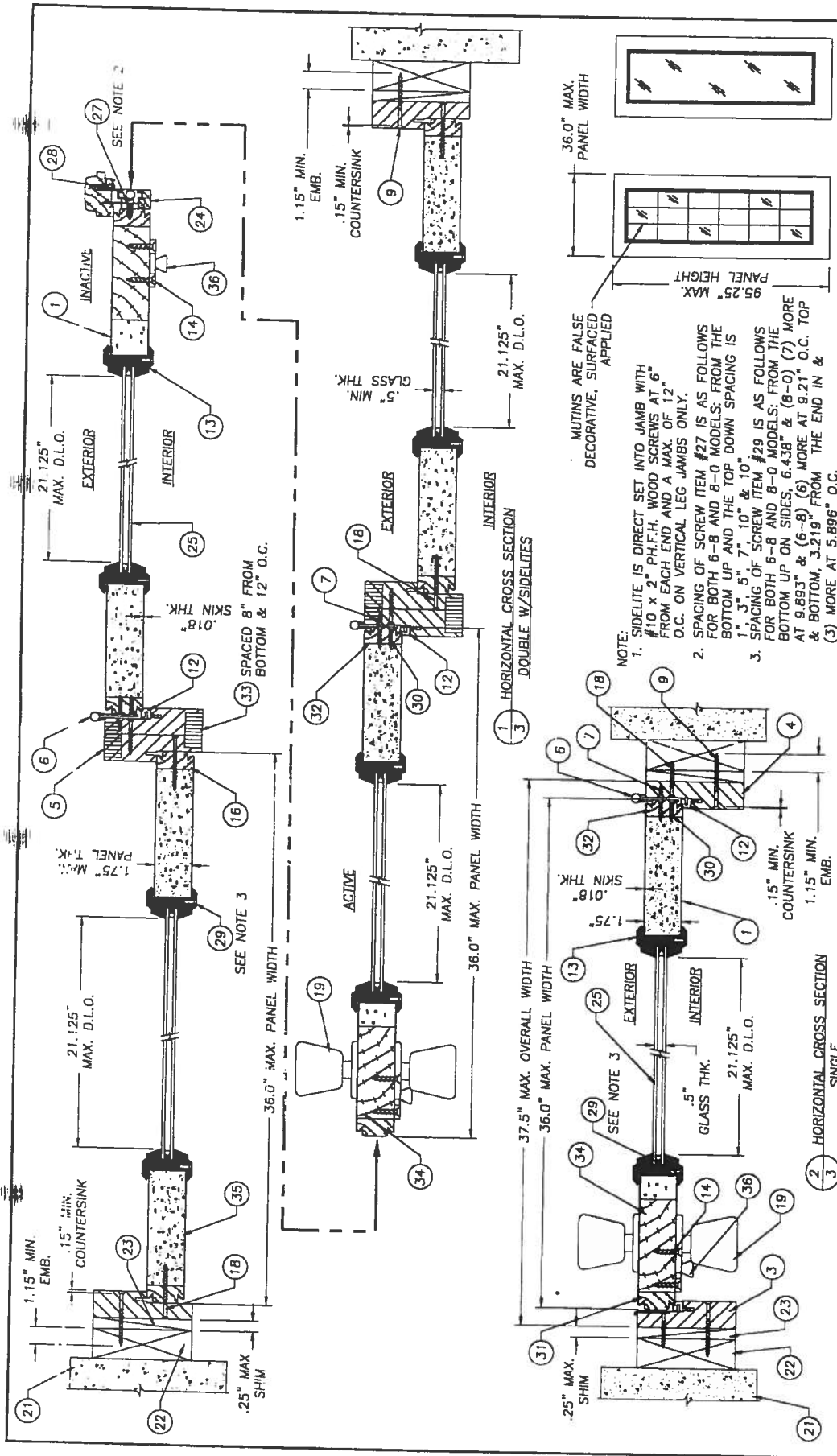
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100	3/09/01	GENERAL REVISION

DATE: 3/3/00	SCALE: N.T.S.	DWG. BY: T.J.H.	CHK. BY: RW	DRAWING NO: S-2003	SHEET 2 OF 6
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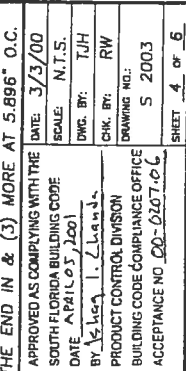
APPROVED AS COMPLIANT WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: APRIL 05, 2001
BY: [Signature]
Acceptance No. C-2-C-912 C-1
Expiration Date: 04/05/03
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0307-06

2 VERTICAL CROSS-SECTION

1 VERTICAL CROSS SECTION



THERMATRU® 108 MUTZFELD Rd. BUTLER, IN 46721 PH. (219) 868-5811		PRODUCT: THERMA TRU WOODEDGE OUTSWING UP TO 12-0 x 8-0 W/3-0 SIDELITES		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & DOOR MODELS	
		NO. DATE 1 3/09/01 2 4/11/00		REVISIONS BY DATE	
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE 11/11/00 BY 15569 J. C. L. 01 PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0207-06		PRODUCT TESTED as complying with the Florida Building Code Acceptance No. 2-6413-01 Expiration Date 12/05/03 By: [Signature] Division		DOOR PANEL MODELS DATE 3/3/00 SCALE: N.T.S. DWG. BY: TJH CHK. BY: RW DRAWING NO.: S-2003 SHEET 3 OF 6	

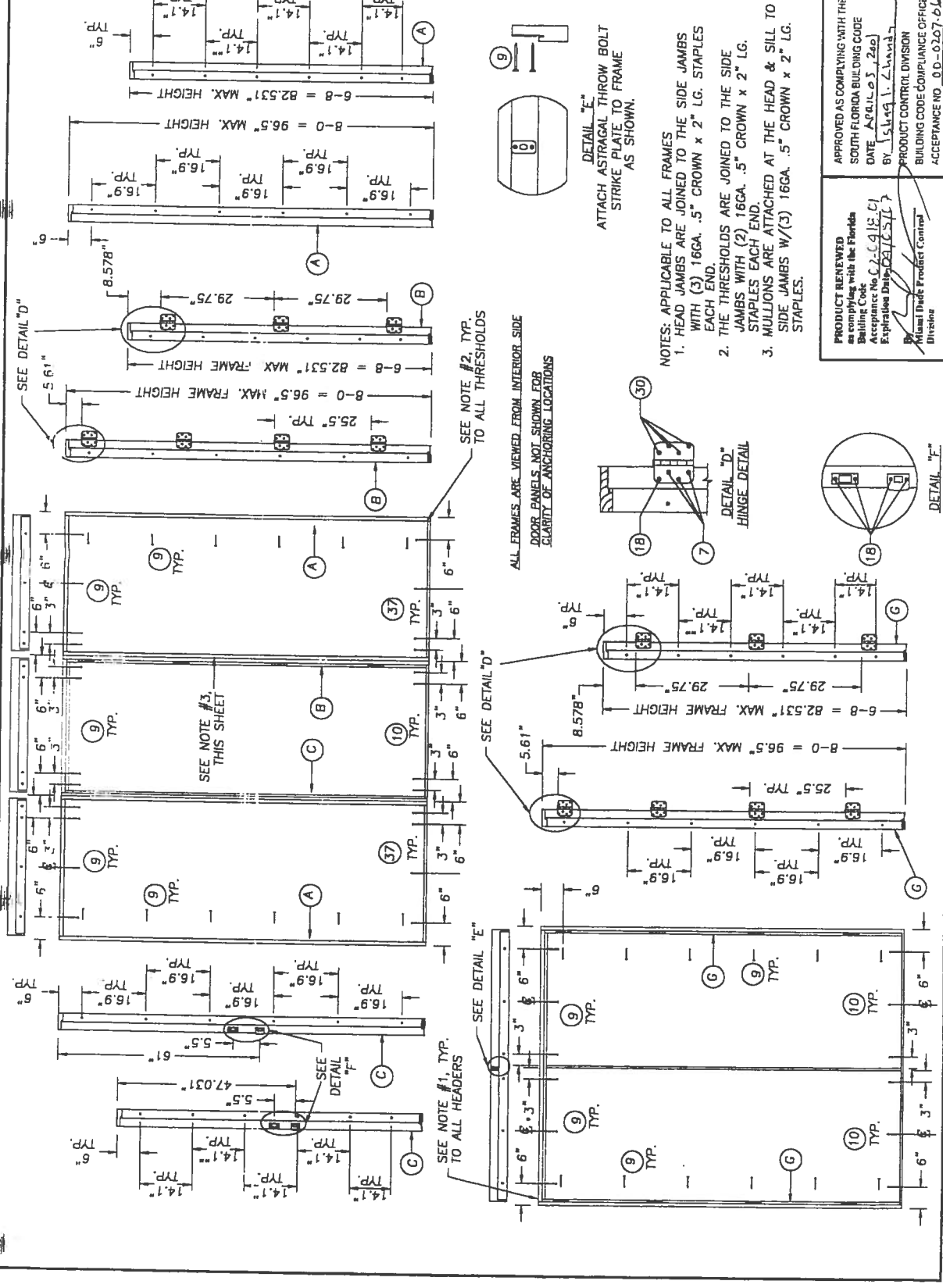


PH. (219) 868-5811
108 MUTFELD RD.
BUTLER, IN 46721

PRODUCT: THERMA TRU WOODGE
OUTSWING UP TO 12-0 x
8-0 W/3-0 SIDELITES
PART OR ASSEMBLY:
ANCHORING LAYOUTS

NO.	DATE	REVISIONS
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2	3/09/01	GENERAL REVISIONS
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99	4/11/00	GENERAL REVISIONS
100	4/11/00	GENERAL REVISIONS

DATE: 3/2/00
SCALE: N.T.S.
DWG. BY: T.J.H.
CHK. BY: RW
DRAWING NO.: S-2003
SHEET 6 OF 6



APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 4/11/00
BY: T.J.H.
EXP. DATE: 4/11/05
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207-61

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 00-0207-61
Expiration Date: 4/11/05
By: T.J.H.



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

MI Home Products, Inc.
650 West Market Street
Gratz, PA 17030

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "BetterBilt D185SH/D3185SH" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. S-2422, titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1



MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **S-2422**, titled "Non-Impact Single Hung Window Rectangle Circle Top & Oriel", sheets 1 through 5 of 5, prepared by RW Building Consultants, inc, dated 10/27/03 with revision "2", dated 02/10/04, signed and sealed by Wendell Haney, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Architectural Testing, Inc., Test Report No. **ATI 03056**, dated 11/11/03, signed by Joseph A. Reed, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/11/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Revised Anchor Calculations, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/04, signed and sealed by Lyndon F. Schmidt, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

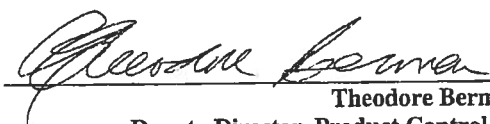
1. None.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 09, 2003, signed and sealed by Lyndon F. Schmidt, P.E.
2. Statement letter of no financial interest with the laboratory that performed the Test Report No. **ATI 03056**, dated November 08, 2003, signed by Stu White, Design Engineering Manager.

G. OTHER

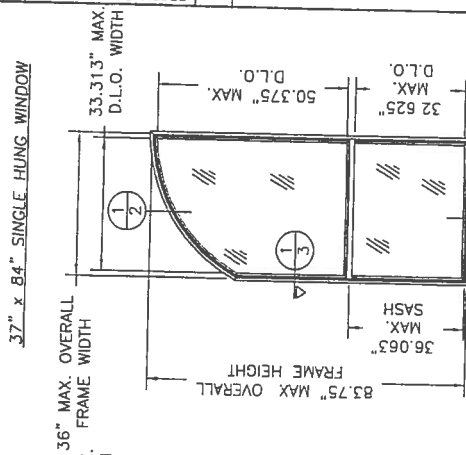
1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).


Theodore Berman, P.E.
Deputy Director, Product Control Division

NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004



1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS; INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
5. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.



37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIENT

DESIGN PRESSURE RATINGS (PSF)			
GLASS	MAX. SIZE	DP POS.	DP NEG.
1/8" Temp.	OA 53" x 73"	+56.7	-69.3
1/8" Temp.	OA 37" x 84"	+56.7	-69.3
3/16" Ann.	OA 53" x 73"	+42.0	-42.0
3/16" Ann.	OA 37" x 84"	+56.7	-58.0

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

DESIGN PRESSURE RATINGS (PSF)			
GLASS	MAX. SIZE	DP POS.	DP NEG.
1/8" Temp.	OA 53" x 73"	+56.7	-69.3
1/8" Temp.	OA 37" x 84"	+56.7	-69.3
3/16" Ann.	OA 53" x 73"	+42.0	-42.0
3/16" Ann.	OA 37" x 84"	+56.7	-56.0

Approved as complying with the
Florida Building Code
Date 03/08/04
NOAR 03-25-02
Miami Code Prohibit Overlay
Drawing
m/William Evans

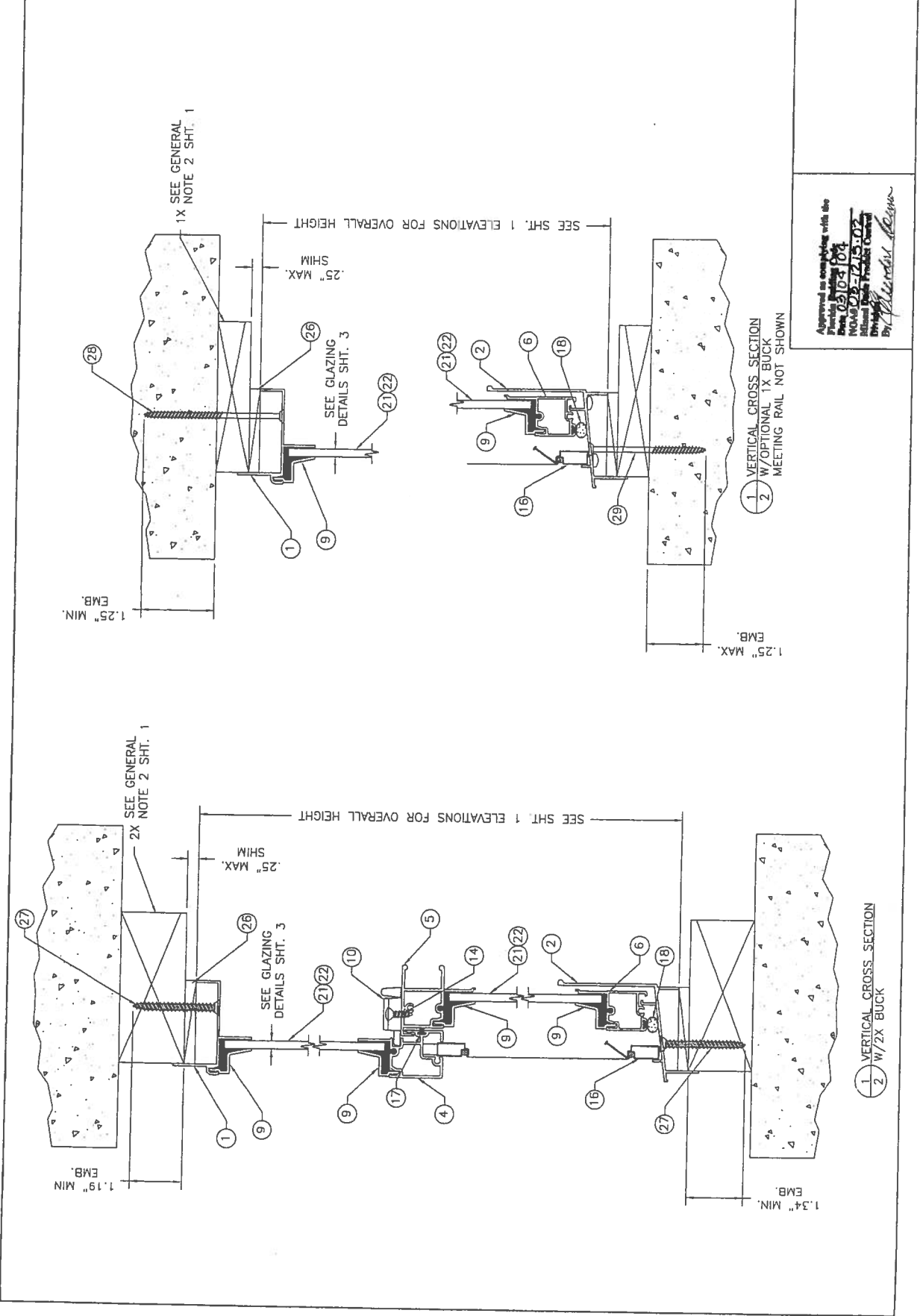
DATE: 10/27/03
SCALE: N.T.S
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 1 OF 5

REVISIONS		
NO	DATE	BY
1	01/04	WH
2	2/10/04	RW

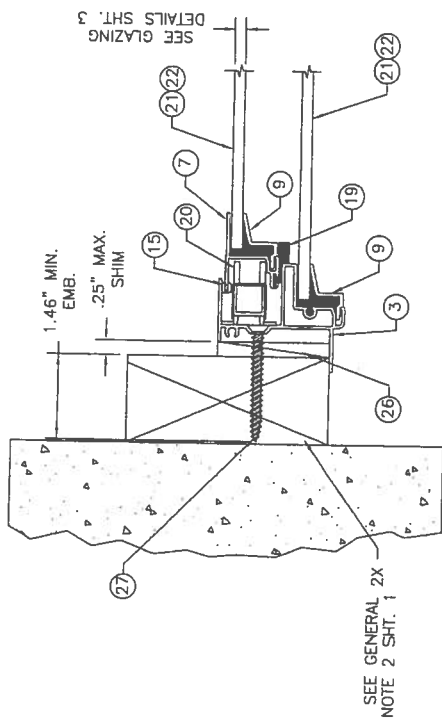
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS

Product Approval Documents Prescribed By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Volusia FL 32555
 Phone No : 813-559-6197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
Wendell H. Brown
 Wendell H. Brown, P.E. NO. 54158
 2/10/04

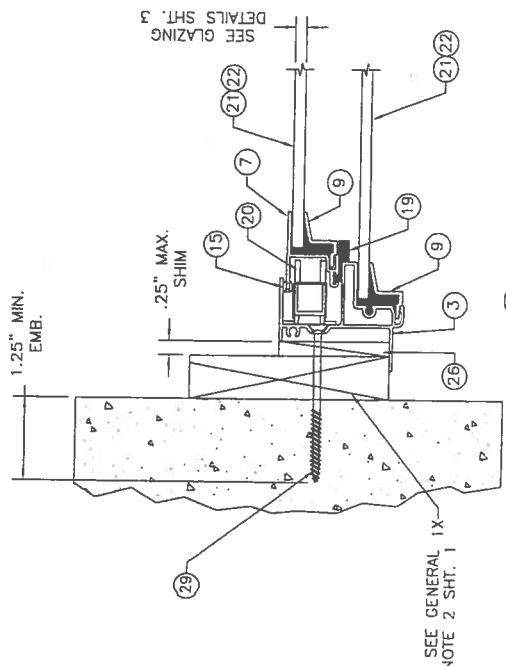
DATE: 10/27/03 SCALE: N.T.S. DWG. BY: T.J.H. CHK. BY: RW DRAWING NO: S-2422 SHEET 2 OF 5		REVISIONS NO. 1 DATE 01/04 REVISED PER DATE LETTER NO. 2 DATE 2/10/04 CORRECT DP TABLE BY: WH BY: RW		CROSS SECTIONS VERTICAL PART OR ASSEMBLY: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & ORFAL	PRODUCT: BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico, FL 33595 Phone No.: 813.659.9197 Florida Board of Professional Engineers Certificate #8 Authorization No. 9813 2/10/04
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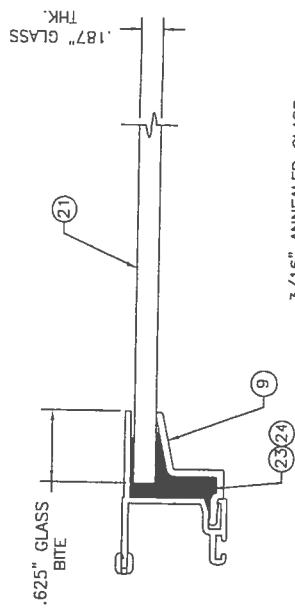
Approved as submitted with the
 Project No. 03103 104
 NOA 03-1215 02
 Michael D. Dwyer, P.E.
 Director of Professional Services
 Michael Dwyer & Associates, Inc.



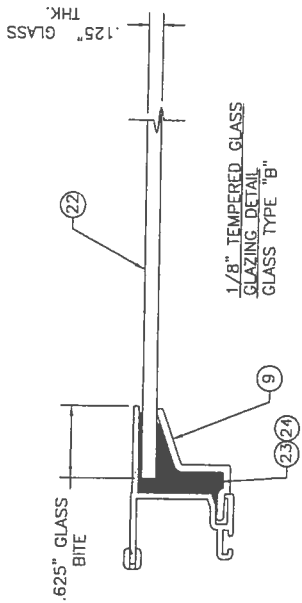
1 HORIZONTAL CROSS SECTION
3 W/2X BUCK



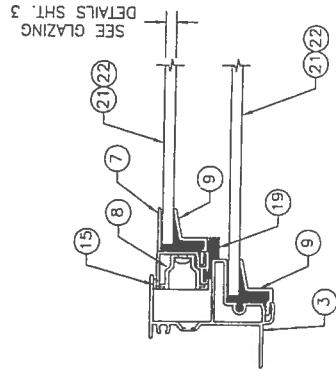
1 HORIZONTAL CROSS SECTION
3 W/1X BUCK



3/16\" ANNEALED GLASS
GLAZING DETAIL
GLASS TYPE \"A\"



1/8\" TEMPERED GLASS
GLAZING DETAIL
GLASS TYPE \"B\"



1 HORIZONTAL CROSS SECTION
SHOWING SASH CAM
MASONRY & BUCK NOT SHOWN

- NOTES:
1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4\" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
 2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM #12, A #8 x 1 1/4\" PHILLIPS PAN HEAD SCREW.
 3. THE SASH CORNERS ARE CONNECTED TOGETHER WITH (2) EACH CORNER ITEM #13, A #6 x 3/4\" PHILLIPS PAN HEAD SCREW.

Approved as complying with the
Florida Building Code
Date: 08/04/04
NOA# 08-145-02
Michael Dale Pendergast
P.E.
By: *Michael Dale Pendergast*

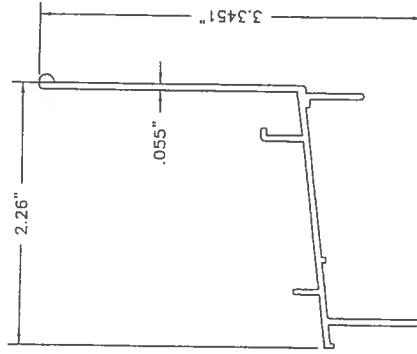
Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Venice FL 33595
Phone No.: 813.559.9197
Certificate of Authorization No. 9813
Florida Board of Professional Engineers
Wendell H. Hays, P.E. No. 54158
2/10/04

PART OR ASSEMBLY		HORIZONTAL CROSS SECTIONS & GLAZING DETAILS	
WH	BY	WH	BY
RW		RW	

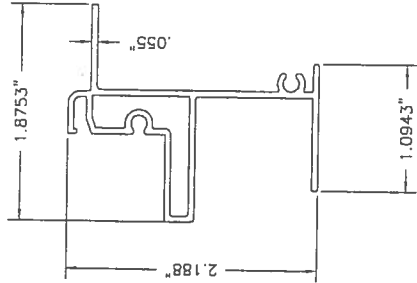
REVISIONS		CORRECT DP TABLE	
NO	DATE	NO	DATE
1	01/04	1	01/04
2	2/10/04	2	2/10/04

DATE: 10/27/03	SCALE: N.T.S.
DWG. BY: TJH	CHK. BY: RW
DRAWING NO. S-2422	SHEET 3 OF 5

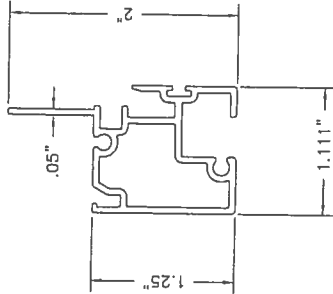
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD #CM-18501 BY MI METALS	ALUM.
2	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL #CM-18502 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB #CM-18503 BY MI METALS	ALUM.
4	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL #CM-18504 BY MI METALS	ALUM.
5	EXTRUDED ALUMINUM SINGLE HUNG SASH LOCK RAIL #CM-18505 BY MI METALS	ALUM.
6	EXTRUDED ALUMINUM SINGLE HUNG SASH BOTTOM RAIL #CM-18506 BY MI METALS	ALUM.
7	EXTRUDED ALUMINUM SINGLE HUNG SASH STYLE #CM-18507 BY MI METALS	ALUM.
8	SASH CAM #1-185 BY BSI	-
9	GLAZING BEAD #V-185 BY MI PLASTICS	-
10	LOCK #30240-402 BY REFLECTOLITE	-
11	MAIN FRAME SCREW #8 x 3/4" PHILLIPS PAN HEAD	STEEL
12	MEETING RAIL SCREW #8 x 1 1/4" PHILLIPS PAN HEAD	STEEL
13	SASH SCREW #6 x 3/4" PHILLIPS PAN HEAD	STEEL
14	LOCK SCREW #8 x 5/8" PHILLIPS FLAT HEAD -PTD	STEEL
15	SASH GUIDE #80-02-8207 BY PLASTICS, AZ	-
16	WINDOW SCREEN	-
17	FIN WEATHERSTRIPPING .187" x .250" BY AMESBURY	-
18	BULB SEAL #32002 BY AMESBURY	-
19	DUST PLUG 5/8" x 7/8" x .25" BY AMESBURY	-
20	5/8" BLOCK & TACKLE 150 SERIES BY BSI	-
21	GLASS "A" SGL GLAZED 3/16" ANN. BY GUARDIAN	-
22	GLASS "B" SGL GLAZED 1/8" TEMP. BY GUARDIAN	-
23	BACKBEDDING #SM-2100 BY SCHNEE MOREHEAD	SILICONE
24	BACKBEDDING PERFECTGLAZE-H (HOTMELT)	-
25	GLASS SHIM 1/8" x 1/4" x 1" BY SECON	-
26	1/4" MAX SHIM	-
27	#12 X 2" PHILLIPS FLAT HEAD SHEET METAL SCREW	STEEL
28	3/16" x 3 1/4" ELCO TAPCON ANCHOR	STEEL
29	3/16 x 2 3/4" ELCO TAPCON ANCHOR	STEEL



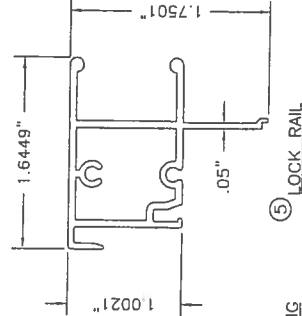
① HEAD FLANGE



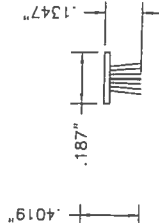
⑤ SASH BOTTOM RAIL



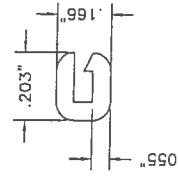
④ FIXED MEETING RAIL



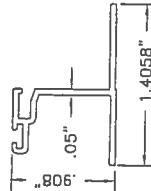
② SILL FIN



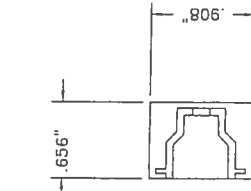
①7 FIN WEATHERSTRIPPING



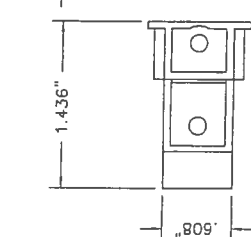
①5 SASH GUIDE



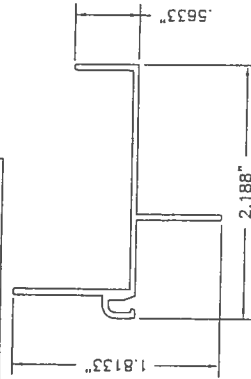
⑦ SASH STYLE



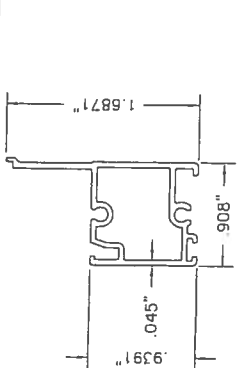
①8 BULB SEAL



⑧ SASH CAM



① HEAD FLANGE



⑤ SASH BOTTOM RAIL

Product Approval Document Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Venice, FL 33595
Phone No.: 813.659.9197
Certificate Of Professional Engineers
Florida Board of Professional Engineers
Wendell Hanes, P.E. No. 37156
2/10/04

NON-IMPACT SINGLE HUNG
WINDOWS RECTANGLE
CIRCLE TOP & OREAL
PART OR ASSEMBLY
BILL OF MATERIALS
& UNIT COMPONENTS

REVISIONS
CORRECT DP TABLE
REVISED PER DATE LETTER
WH BY
RW

DATE 10/27/03
SCALE N.T.S.
DWG. BY TJH
CHK. BY RW
DRAWING NO. S-2422
SHEET 5 OF 5

Approved as complying with the
Florida Building Code
Date: 03/03/04
NOA: 03-12502
Official State Product Catalog
By: [Signature]
Title: [Signature]



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Mi Home Products, Inc.
650 West Market Street
Gratz, PA 17030

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Betterbilt D485/D3485" Aluminum Sliding Patio Door

APPROVAL DOCUMENT: Drawing No. S-2425, titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Theodore Berman, P.E.**

CM
2/13/2004



NOA No 03-1224.01
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1

Mi Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.

Drawing No. S-2425, titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum patio door, prepared by Architectural Testing, Test Report No. ATI-03064 dated 12/17/03, signed and sealed by Steven M. Urich, P.E.

C. CALCULATIONS

1. Anchor Calculations, ASTM-E1300-98, and structural analysis, prepared by R.W. Building Consultants, Inc., dated 12/22/03, signed and sealed by Lyndon Schmidt, P.E.
2. Revised Anchor Calculations and structural analysis, prepared by R.W. Building Consultants, Inc., dated 02/10/03, signed and sealed by Lyndon Schmidt, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

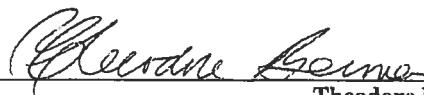
1. None.

F. STATEMENTS

1. Statement letter of compliance and of no financial interest, dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.
2. Letter from MI Home Products, Inc., dated 11/08/03, stating that they have no financial interest with the laboratory that performed the testing of their products, signed by Stu White.

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code.

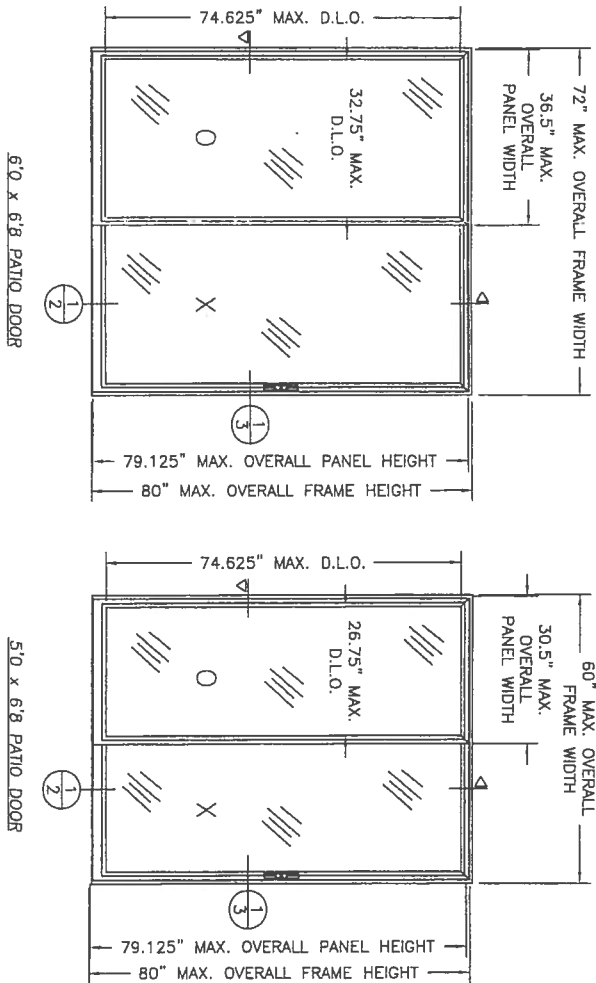


Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1224.01
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

MI HOME PRODUCTS
 650 WEST MARKET STREET • GRAIZ, PA • 17030-0370
SERIES BETTERBILT D485/D3485
ALUMINUM SLIDING PATIO DOOR

- GENERAL NOTES:**
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HVHZ FLORIDA BUILDING CODE.
 2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
 3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
 4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
 5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HVHZ REQUIREMENTS. INSTALLATION OF THIS SYSTEM OUTSIDE OF HVHZ SHALL MEET THE APPLICABLE CODE REQUIREMENTS FOR WINDBORNE DEBRIS PROTECTION.
 6. THIS PRODUCT MEETS WATER REQUIREMENTS FOR HIGH VELOCITY HURRICANE ZONES.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES & TYPICAL ELEVATIONS
2	VERTICAL CROSS SECTIONS & CONSTRUCTION NOTES
3	HORIZONTAL CROSS SECTIONS
4	ANCHORING LOCATIONS & GLAZING DETAIL
5	BILL OF MATERIALS & UNIT COMPONENTS



ALL ELEVATIONS ARE
VIEWED FROM EXTERIOR

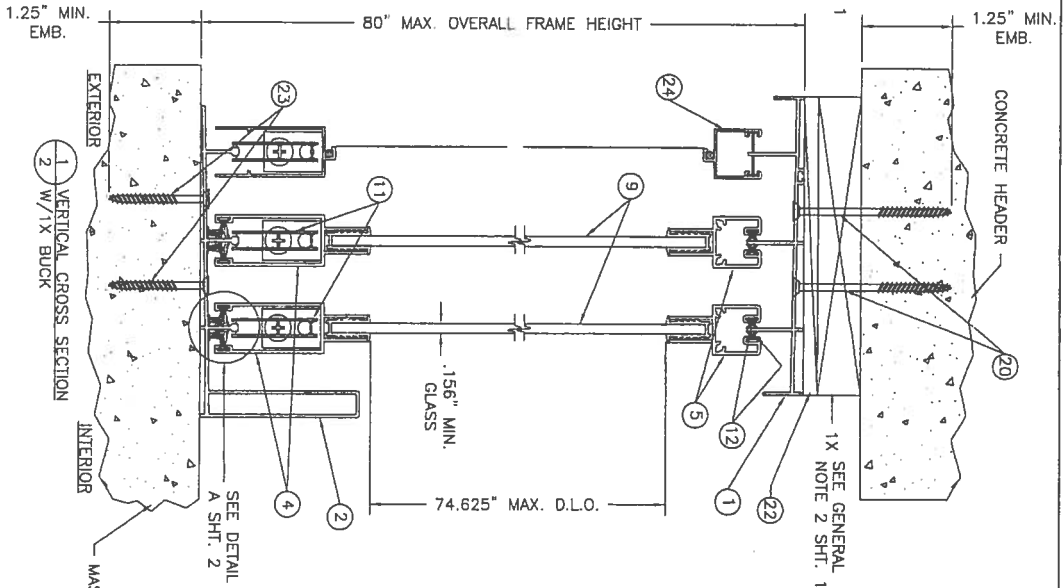
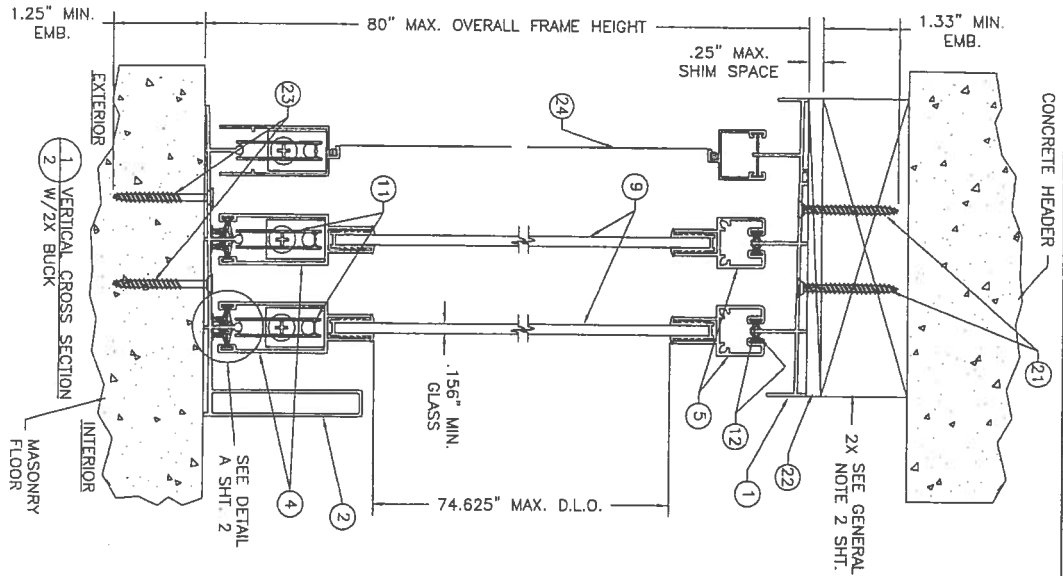
DESIGN PRESSURE RATING
+57.52 PSF -74.0 PSF

Approved for use with the
 Betterbilt Series D485/D3485
 Non-Impact Aluminum Sliding
 Patio Door
 Model D485-D3485-01
 Miami Dade Product Control
 Division
 12/22/03
 Lyndon F. Schmidt, P.E.

DATE 12/18/03
 SCALE N.T.S.
 DWT. BY: T.J.H.
 CHK. BY: RW
 DRAWING NO.: S-2425
 SHEET 1 OF 5

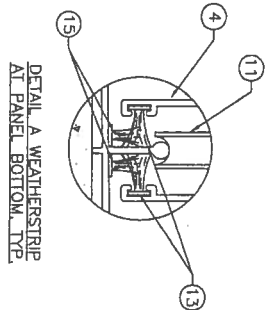
REVISIONS		BY	DATE	PRODUCT:	PART OR ASSEMBLY:	GENERAL NOTES & TYPICAL ELEVATIONS
NO.	DATE					
				NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"		

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Velico FL 33595
 Phone No.: 813.659.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409



FRAME CONSTRUCTION NOTE:
THE FRAME CORNERS ARE BUTTED AND SECURED WITH (2) ITEM #19, A #8 x 5/8" FLAT HEAD SCREW, AT EACH CORNER THROUGH THE HEAD AND SILL INTO THE JAMB SCREW BOSS.

PANEL CONSTRUCTION NOTE:
THE PANELS CORNERS ARE BUTTED AND SECURED WITH (2) 8 x 3/4" PAN HEAD SCREWS LOCATED THROUGH THE PANEL JAMBS AND INTO THE PANEL HEAD AND SILL SCREW BOSS.



Approved for stamping with the
Professional Engineer's Seal
Date: 02/18/03
By: [Signature]
Building Consultant
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
Lyndon F. Schmidt, P.E. No. 43409

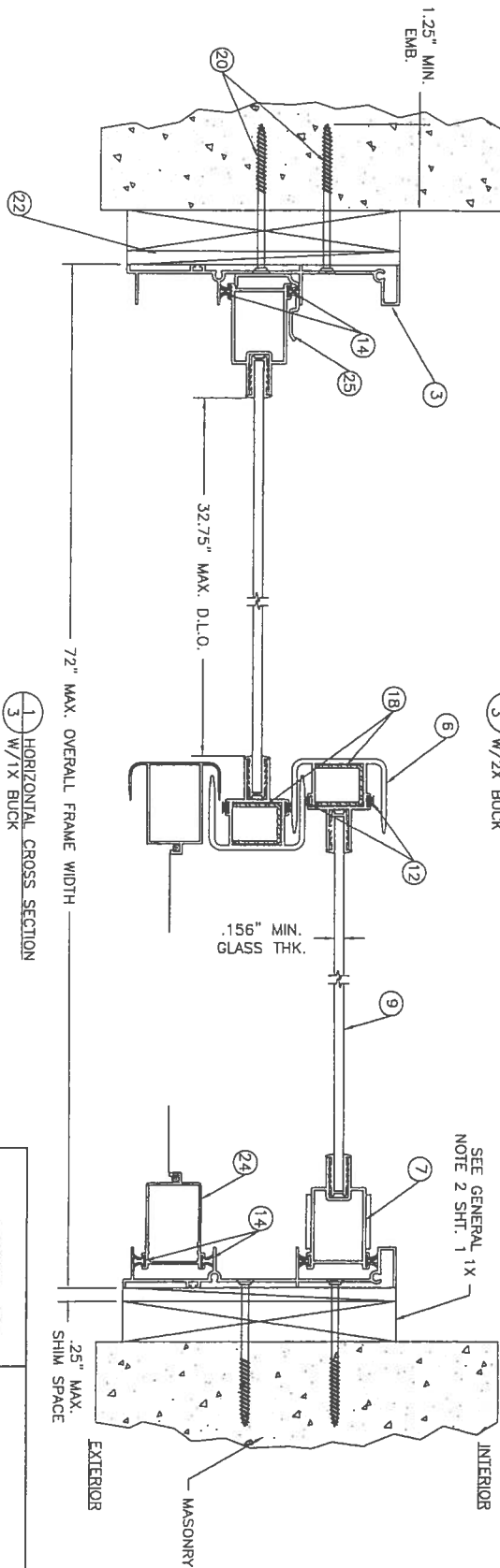
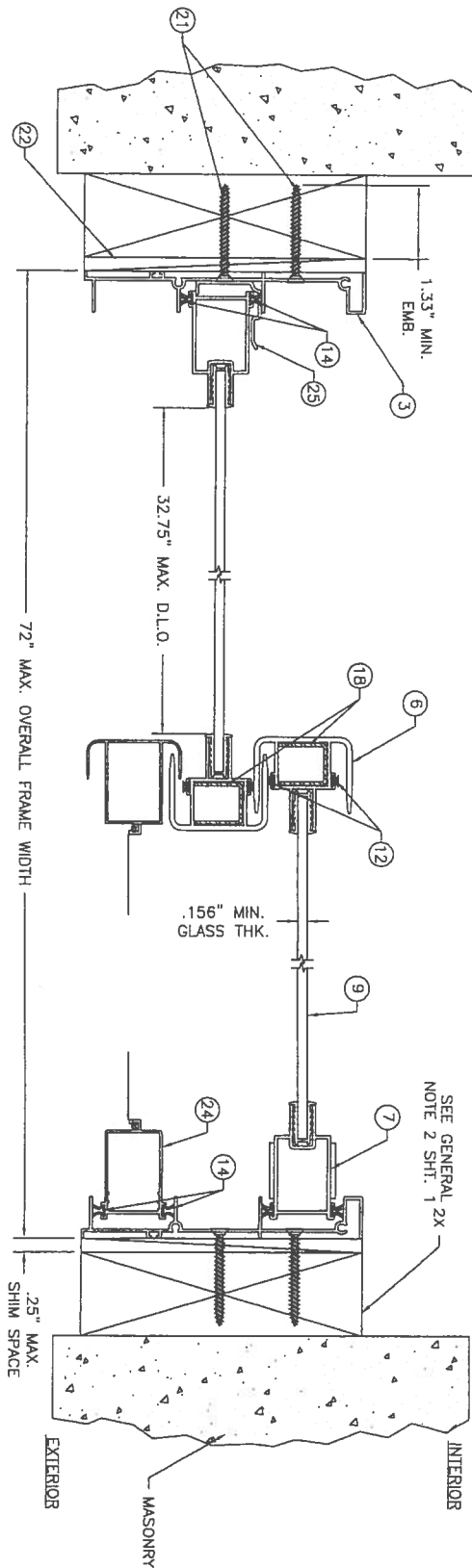
DATE: 12/18/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2425
SHEET 2 OF 5

NO.	DATE	REVISIONS	BY

PRODUCT:
NON-IMPACT ALUMINUM
SLIDING PATIO DOOR
UP TO 6'0" x 6'8"

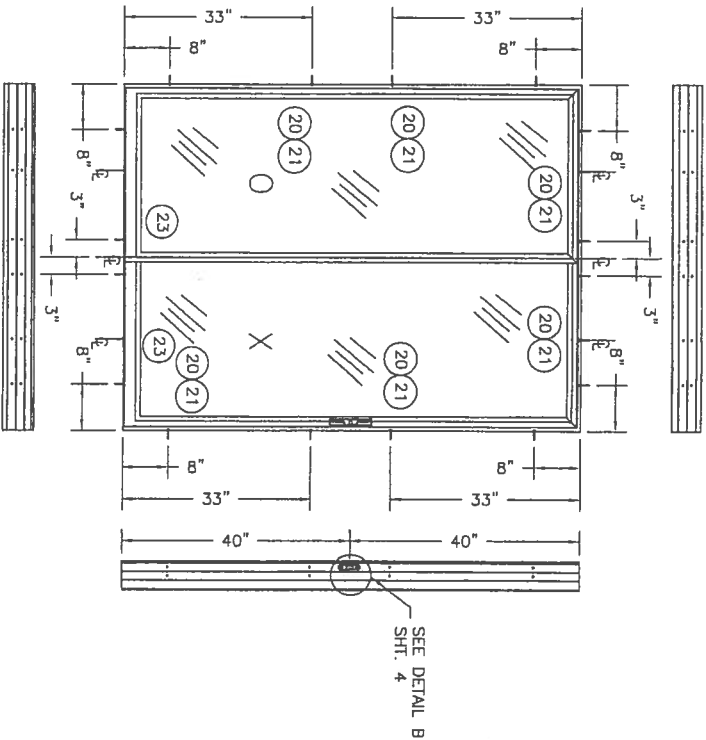
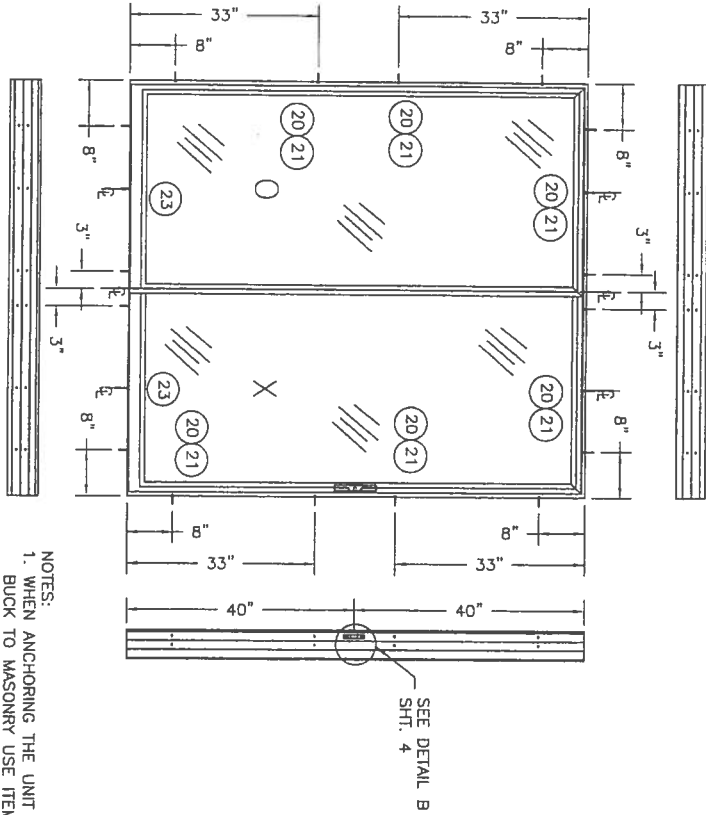
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
& CONSTRUCTION NOTES

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. No. 43409



Approved for assembly with the
 Product Approval Documents
 Prepared By: **RW**
 Date: 08/10/03
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.859.9197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 Lynden F. Schmidt, P.E. NO. 43409

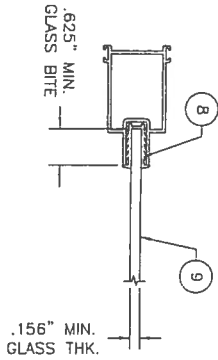
DATE: 12/18/03		SCALE: N.T.S.		DWG. BY: T.J.H.		CHK. BY: RW		DRAWING NO.: S-2425		SHEET 3 OF 5	
NO.		DATE		BY		REVISIONS		PRODUCT:		Product Approval Documents Prepared By:	
								NON-IMPACT ALUMINUM		BUILDING CONSULTANTS, INC.	
								SLIDING PATIO DOOR		P.O. Box 230 Valrico FL 33595	
								UP TO 6'0" x 6'8"		Phone No.: 813.859.9197	
								PART OR ASSEMBLY:		Florida Board of Professional Engineers	
								HORIZONTAL CROSS SECTIONS		Certificate Of Authorization No. 9813	
										12/22/03	
										Lynden F. Schmidt, P.E. NO. 43409	



6'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

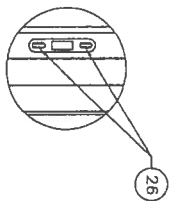
5'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

- NOTES:
1. WHEN ANCHORING THE UNIT TO A 2X BUCK TO MASONRY USE ITEM #21, A #10 x 1 3/4" PHILLIPS FLAT HEAD SHEET METAL SCREW AT THE HEAD AND SIDES.
 2. WHEN ANCHORING THE UNIT THROUGH A 1X BUCK INTO MASONRY USE ITEM #20, A 3/16" x 2 3/4" TAPCON ANCHOR AT THE HEAD AND SIDES.
 3. USE (2) ANCHORS PER EACH ANCHORING LOCATION SHOWN ABOVE.



5/32" TEMPERED GLASS
GLAZING DETAIL

DETAIL B
JAMB KEEPER ATTACHMENT



Approved as submitted with the Date: 08/14/03 By: [Signature] NDA 08-14-03 Material Dept. Product Control By: [Signature]	DATE: 12/18/03 SCALE: N.T.S. CHK. BY: TJH CHK. BY: RW DRAWING NO.: S-2425 SHEET: 4 OF 5
--	--

NO.	DATE	BY	REVISIONS

PRODUCT:
NON-IMPACT ALUMINUM
SLIDING PATIO DOOR
UP TO 6'0" x 6'8"

PART OR ASSEMBLY:
ANCHORING LOCATIONS
& GLAZING DETAILS

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.856.2187
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43409

1 MAIN FRAME HEAD
6063-T5 ALUM., .050" MIN.
#4208 BY MI METALS

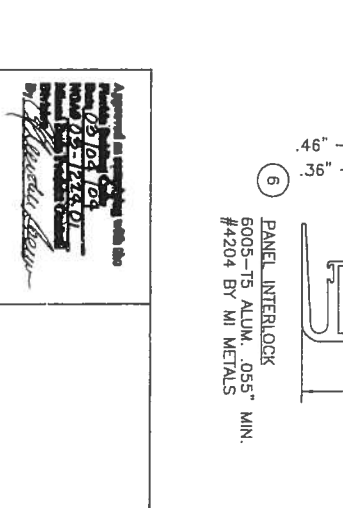
2 MAIN FRAME SILL
6063-T5 ALUM., .050" MIN.
#4235 BY MI METALS

3 MAIN FRAME JAMB
6063-T5 ALUM., .050" MIN.
#4210 BY MI METALS

4 PANEL SILL
6063-T5 ALUM., .055" MIN.
#4200 BY MI METALS

5 PANEL HEAD
6063-T5 ALUM., .055" MIN.
#4202 BY MI METALS

Dimensions shown in drawings include: 1.0625", 1.47", 1.47", .055", .055", .05", 5.188", .921", .05", .46", .56", 2.665", 1.915", .885", .835", 1.585", .36", .46", 2.791", .46", .05", 1.525", .788", .055", .677", 5.390", .75", .346", 1.475", 1.475", 1.475", 5.074", .05", .885", .36", .46".



DATE	12/18/03								
SCALE	N.T.S.								
DWG. BY:	TJH								
CHK. BY:	RW								
DRAWING NO.:	S-2425								
		NO.	DATE						



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Clopay Building Products Co.
8585 Duke Blvd.
Mason, OH 45040

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

DESCRIPTION: Sectional Garage Door 16'- 2" Wide.

APPROVAL DOCUMENT: Drawing No. 101300, titled "Double Car Hurricane Pan Door", dated 02/15/95 with last revision on 01/06/04, sheets 1 and 2 of 2, prepared by Clopay Building Products Co, signed and sealed by M. W. Westerfield, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels under this Notice of Acceptance. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Dade County approved laboratory selected and paid by the manufacturer. Every 3 months, four times a year, the manufacturer shall mail to this office: a copy of the tested reports with confirmation that the specimen were selected from coils at the manufacturer production facilities. And a notarized statement from the manufacturer that only coils with yield strength of 38000 psi or more shall be used to make door panels for Dade County under this Notice of Acceptance

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 03-0829.05 and consists of this page, evidence page as well as the approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font PE.**

[Signature]
03/23/06



NOA No 05-1212.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006
Page 1

Clopay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. *Drawing prepared by Clopay Building Products Co., titled "Double Car Hurricane Pan Door", Drawing No. 101300, dated 02/15/95, with last revision on 01/06/2004, sheets 1 through 2 of 2, signed and sealed by M.W. Westerfield, PE.*

B. TESTS

1. *Test report of large missile impact test per PA 201 and cyclic wind pressure test per PA 203 of "Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-408, dated 01/25/95, signed and sealed by H. M. Medina, PE.*
2. *Test report of Uniform Static Air Pressure Test Per PA 202 on "Garage Door", prepared by Hurricane Engineering & Testing, Inc., report No. HETI 95-407, dated 01/24/95, signed and sealed by H. M. Medina, PE.*
3. *Test report of Forced Entry Resistance per section 3603.2(b)5 on "Garage Door" prepared by Hurricane Engineering Testing, Inc. report No. HETI 95-407f, dated 01/25/95, signed and sealed by H. M. Medina, PE.*

C. CALCULATIONS

1. *Calculations dated 01/20/95; pages 1 and 2, prepared by M. W. Westerfield, PE, signed and sealed by M. W. Westerfield, PE.*
2. *Calculations dated 02/24/95, page 1, prepared M.W. Westerfield, PE, signed and sealed by M.W. Westerfield, PE.*

D. MATERIAL CERTIFICATIONS

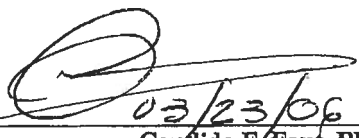
1. *Test report of Tensile Test per ASTM E 8, report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H.M. Medina, PE.*
2. *Test report of Salt Spray Test per ASTM D1654 & ASTM B117, report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated 06/03/99, signed and sealed by K. Grate.*

E. STATEMENTS.

1. *Affidavit of yield strength compliance prepared by R. D. Shifflett employed by Clopay Building Products Co., notarized on 01/11/2001 by B. H. Schuler.*

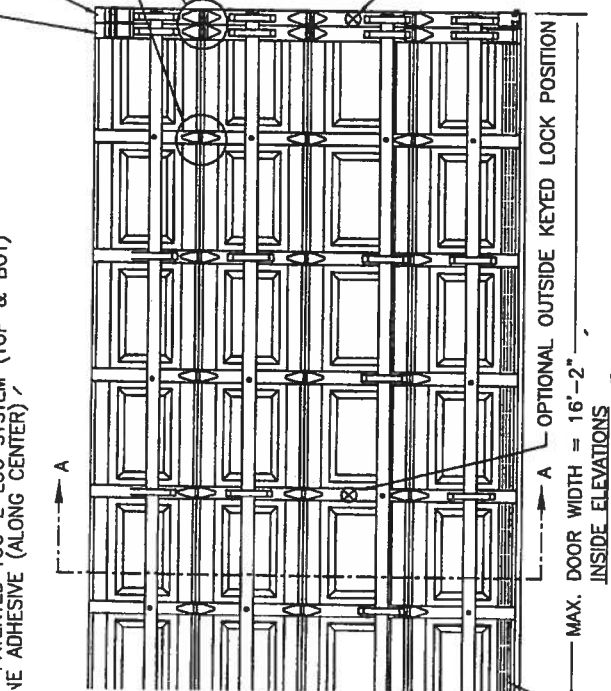
F. QUALITY ASSURANCE.

1. *Building Code Compliance Office.*


03/23/06
Candido Font, PE.
Senior Product Control Division
NOA No 05-1212.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006

5	8/25/2003	ADDED EXTEN
6	1/6/2004	JAMB ATTACH

16 GA. PAINTED END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).



24 GA. DDS STEEL (MIN. 38 KSI) EXTERIOR SKIN WITH G-40 GALVANIZING BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN (ASTM No. A653).

SHIP LAP JOINTS.

2" THICK

12 GA. GALV. STEEL TOP F EACH BRACKET ATTACHED TO TOP BRACKET WITH (2) NUTS PER BRACKET.

14 GA. GALV. ROLLER HIN EACH HINGE FASTENED TO STILES W/(4) #14x5/8" S AND (4) 1/4"x3/4" SELF (SEE VIEW "B")

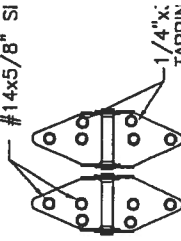
ONE 6" TALL C-CHANNEL F C-CHANNEL ATTACHED AT E (1) 1/4"x3/4" SELF TAPPIN

1-1/4" WIDE x 16 GA. GA DOOR SECTION, EXCEPT (8) SECTION (SEE INSIDE ELEVA WITH (3) 1/4"x3/4" SELF SCREWS TO DOOR, ONE SC

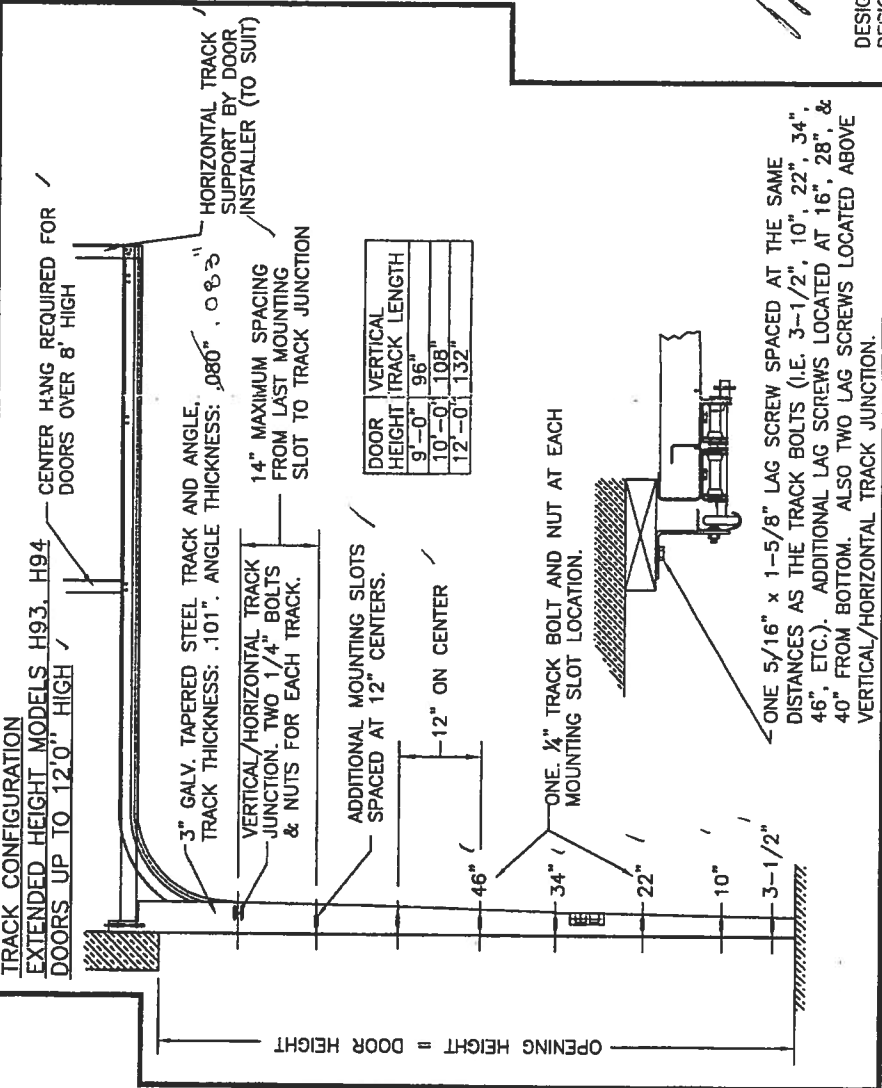
13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (2) #14x5/8" SHEET

ALUMINUM EXTRUSION & VINYL WEATHER SECTION A-A (SIDE VIEW)

#14x5/8" SI



14 GA. END HINGES VIEW "B"



HIGH

PANEL GALV. INTER. STILES PANEL PAINTED/GALV. INTER. STILES

83, 84A, 93, 94

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT) ANCE SYSTEM

CONTINUOUS ANGLE.

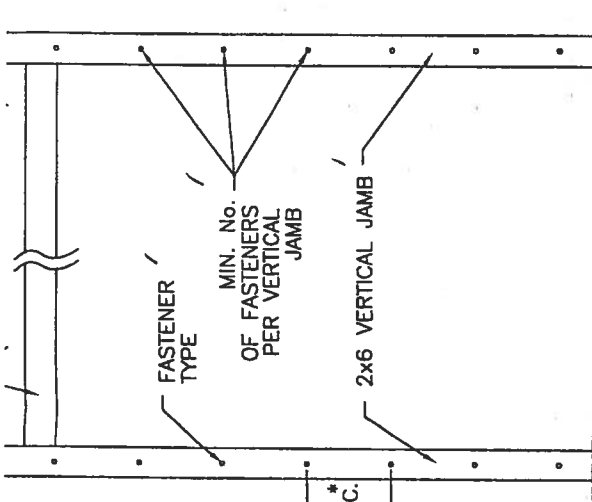
DOORS ONLY

TRACK

DOOR HEIGHT	"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F. (MODELS 83, 84A, 93, 94)
DESIGN LOADS: +46.6 P.S.F. & -51.7 P.S.F. (MODELS H93, H94)

5	8/25/03	ADDED EXTENDI
6	1/6/04	JAMB ATTACHEME



UM DESIGN LOAD OF +372.8 LB & -416 LB. PER LINEAR FOOT OF JAMB. (NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED GRADE 355 GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS 3'0" HIGH. STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TIE BEAMS A BUILDING CODE. (4) 2x6 PRESSURE TREATED GRADE #2 OR BETTER LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING FOR

TE

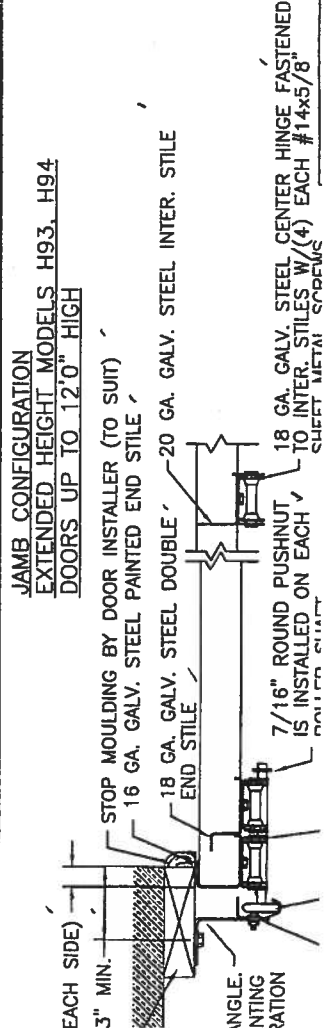
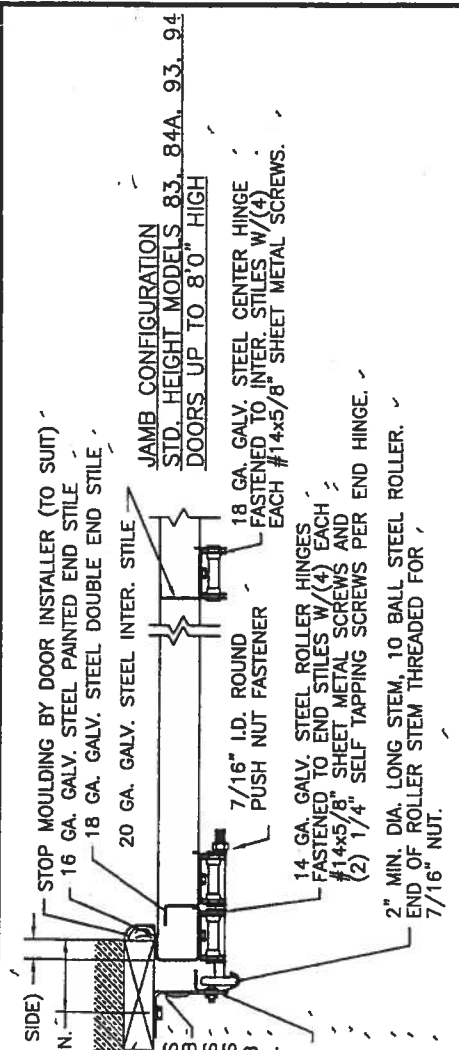
TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING 4S. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS NCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE OF RECORD AND IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

SUPPORTING STRUCTURE ATTACHMENT

MENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
EMBED LAG SCREW (ASTM A307, GRADE A) 1-1/2" EMBED INTO STRUCTURE	16"	YES
3/4" MIN. EMBED ELCO TAPCON CONCRETE ANCHOR	10"	YES
3/4" MIN. EMBED POWER-STUD EXPANSION ANCHOR (7400 SERIES)	16"	NO
3/4" MIN. EMBED POWER LOK/BOLT ANCHOR BOLT (5000 SERIES)	14"	NO

ANCHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS. NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING. HAD HAS BEEN USED IN THE DESIGN OF CONCRETE ANCHORS & WOOD FASTENERS.



JAMB PREPARATION NOTE
EACH CONTINUOUS ANGLE TRACK SHALL BE FASTENED TO PINE WOOD JAMBS WITH 5/16"x1-5/8" LAG SCREWS (12 7'0" HIGH AND (13) LAG SCREWS PER SIDE UP TO 8'0" TO 9'0" HIGH, (15) LAG SCREWS PER SIDE UP TO 10'0" SIDE UP TO 11'0" HIGH, (17) LAG SCREWS PER SIDE L ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PR SHALL BE APPROVED BY THE PROFESSIONAL OF RECORD ACCORDANCE WITH CURRENT BUILDING CODES FOR THE L PREPARATION OF JAMBS BY OTHERS. -

ALL MOUNTING OF TRACK, ANGLES, HORIZONTAL TRACK S DOOR HARDWARE TO BE INSTALLED PER CLOPAY INSTALLA SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED

PROPERTY RETAINED
as complying with the Florida
Building Code
Acceptance No. 05-1212
Expiration Date 05/20/14

DESIGN ENGINEER
MARK W. WESTERFIELD, P.E.
FLORIDA REGISTRATION No. 48495

DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F. (MODELS 83
DESIGN LOADS: +46.6 P.S.F. & -51.7 P.S.F. (MODEL H93

Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Mayfair #10-St. Johns Model

Code Only
Professional Version
Climate: North

11/6/2007

Building Loads			
Base		As-Built	
Summer:	19022 points	Summer:	16284 points
Winter:	15820 points	Winter:	14732 points
Hot Water:	7273 points	Hot Water:	7273 points
Total:	42115 points	Total:	38289 points

Energy Use			
Base		As-Built	
Cooling:	6182 points	Cooling:	3988 points
Heating:	8764 points	Heating:	6104 points
Hot Water:	7905 points	Hot Water:	7737 points
Total:	22851 points	Total:	17829 points

PASS
e-Ratio: 0.78

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242.1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenc	1111 / F 1214.10	FL 6029.7
1. Single hung			
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-122
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	EIK		728.4
2. Underlayments			1814.3
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

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

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

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

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

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

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

26492

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 321 N.W. Cole Terrace, Suite 107 City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3511 • 352-494-5751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Trent Building Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 246 SW Vonn St
Lake City, FL
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Dir.

Section 4: Treatment Information

Date(s) of Treatment(s) 1-7-08
Brand Name of Product(s) Used Termidor
EPA Registration No. 7969-210
Approximate Final Mix Solution % 1.04
Approximate Size of Treatment Area: Sq. ft. 2312 Linear ft. 213 Linear ft. of Masonry Voids 213
Approximate Total Gallons of Solution Applied 444
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☐ Yes ☒ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) _____

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

Authorized Signature [Signature] Date 1-7-08

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

Form NPCA-99-B may still be used

form HUD-NPCA-99-B (04/2003)

**COLUMBIA COUNTY
FLORIDA
DEPARTMENT OF BUILDING AND ZONING**

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 11-4S-16-02911-310

Building permit No. 000026492

Use Classification SFD, UTILITY

Fire: 38.52

Permit Holder TRENT GIEBEIG

Waste: 100.50

Owner of Building PETE GIEBEIG

Total: 139.02

Location: 246 SW VANN COURT, LAKE CITY, FL

Date: 04/09/2008

Wayne A. Riser

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)