

Columbia County Building Permit Application

Revised 9-23-07

For Office Use Only Application # 0711-77 Date Received 11/30/07 By LH Permit # 1488/26489
Application Approved by - Zoning Official BLK Date 06.12.07 Plans Examiner OK JTH Date 12-4-07
Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES Low Den
Comments Finish Floor Elevation to be 1 foot above Road

Applicants Name Trent Gieberg Const Phone 397-0545
Address 697 SE Holly Terrace Lake City 32025
Owners Name Pete Gieberg Phone 752-7968
911 Address 139 SW Joshua Court
Contractors Name Trent Gieberg Phone 397-0545
Address 697 SE Holly Terrace
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 23-45-16-03095-125 Estimated Cost of Construction 90,000
Subdivision Name Cannon Creek Place Lot 25 Block _____ Unit 2 Phase _____
Driving Directions Sisters welcome south Left on K&K Lighter
Right on Gerald Conner Drive left on
SW Joshua Court house on left

Type of Construction Frame Number of Existing Dwellings on Property 0
Total Acreage _____ Lot Size .51 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 36 Side 123 Side 29' 10" Rear 125' 3"
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 RR28281152
Competency Card Number 000141
NOTARY STAMP/SEAL

Elaine K. Tolar
Notary Signature
ELAINE K. TOLAR
MY COMMISSION # 00436381
EXPIRES: October 2, 2009
Bonded Thru Notary Public Underwriters

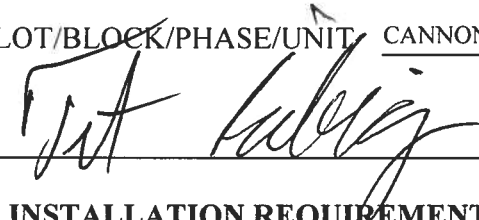
**Columbia County Building Department
Culvert Permit**

26489
Culvert Permit No.
000001488

DATE 12/10/2007 PARCEL ID # 23-4S-16-03095-125
APPLICANT TRENT GIEBEIG PHONE 397-0545
ADDRESS 697 SE HOLLY TERRACE LAKE CITY FL 32025
OWNER PETE GIEBEIG PHONE 752-7968
ADDRESS 139 SW JOSHUA CRT LAKE CITY FL 32024
CONTRACTOR TRENT GIEBEIG PHONE 397-0545
LOCATION OF PROPERTY 341 S. L KICKLIGHTER, R GERALD CONNER DR. L SW JOSHUA,
2ND ON THE LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 25 2

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



Columbia County Property Appraiser

DB Last Updated: 11/15/2007

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 23-4S-16-03095-125

Search Result: 1 of 1

Owner & Property Info

Owner's Name	GIEBEIG PETER W		
Site Address	JOSHUA		
Mailing Address	P O BOX 1384 LAKE CITY, FL 32056		
Use Desc. (code)	VACANT (000000)		
Neighborhood	24416.00	Tax District	2
UD Codes	MKTA06	Market Area	06
Total Land Area	0.510 ACRES		
Description	LOT 25 CANNON CREEK PLACE UNIT 2.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$36,000.00
Ag Land Value	cnt: (0)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$36,000.00

Just Value	\$36,000.00
Class Value	\$0.00
Assessed Value	\$36,000.00
Exempt Value	\$0.00
Total Taxable Value	\$36,000.00

Sales History

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

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.510AC)	1.00/1.00/1.00/1.00	\$36,000.00	\$36,000.00

Columbia County Property Appraiser

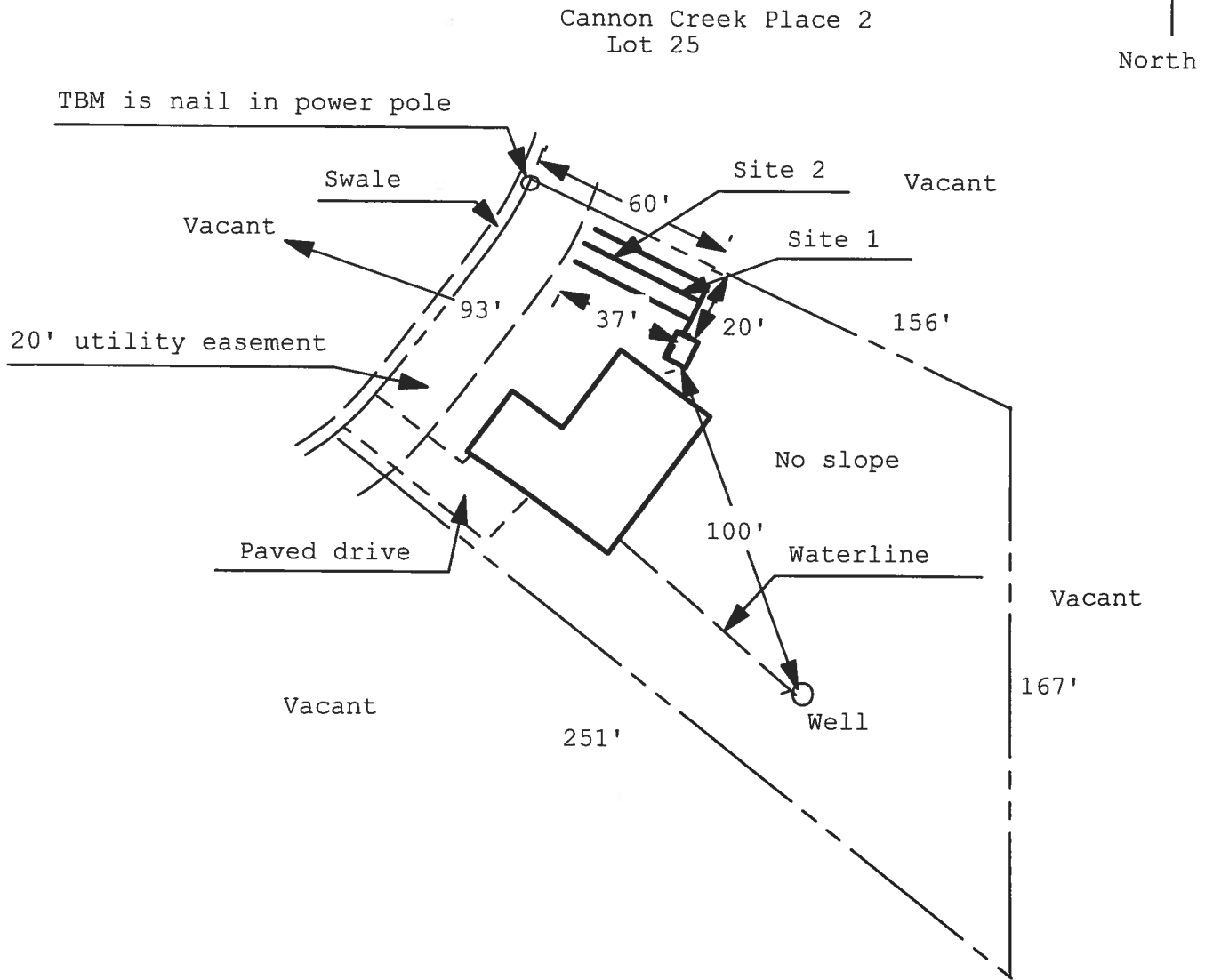
DB Last Updated: 11/15/2007

1 of 1

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-0891N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 07-4164



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 11/9/07
 Plan Approved ☒ Not Approved ☐ Date 11/26/07

By M. A. 2nd Columbia CPHU

Notes: _____

Nov 06 07 12:04p

Lynch Well Drilling

386-752-1477

P. 2

Water Wells
Pumps & Service

Phone: (386) 752-6677
Fax: (386) 752-1477

Lynch Well Drilling, Inc.

173 SW Young Place
Lake City, FL 32025
www.lynchwelldrilling.com

November 6, 2007

To Whom It May Concern:

As required by building code regulations for Columbia County in order that a building permit can be issued, the following well information is provided with regard to the above-referenced well:

Size of Pump Motor:	1 Horse Power
Size of Pressure Tank:	81-Gallon Bladder Tank
Cycle Stop Valve Used:	No

Should you require any additional information, please contact us.

Sincerely,



Linda Newcomb
Lynch Well Drilling, Inc.

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: Cannon Creek - Lot#25 Address: City, State: , Owner: Climate Zone: North	Builder: P. Geibeig Permitting Office: Columbia Co. Permit Number: 26489 Jurisdiction Number: 221000
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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 (ft ²) 1608 ft² ☐ 7. Glass type ¹ 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) 141.0 ft ² ☐ b. SHGC: (or Clear or Tint DEFAULT) 7b. (Clear) 141.0 ft ² ☐ 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, 1394.4 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, 53.0 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)
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Glass/Floor Area: 0.09

Total as-built points: 17761

Total base points: 23128

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: 11-13-07

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	48.0	35.87	0.94	1625.0
				4.Double, Clear	S	1.0	6.0	30.0	35.87	0.94	1015.0
				5.Double, Clear	E	1.0	6.0	5.0	42.06	0.97	203.0
				6.Double, Clear	E	1.0	6.0	8.0	42.06	0.97	326.0
				As-Built Total:		141.0			4104.0		
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		1394.4	1.50		2091.6	
Exterior	1394.4	1.70	2370.5								
Base Total: 1394.4 2370.5				As-Built Total:		1394.4			2091.6		
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	72.6	6.10	442.9	2.Exterior Insulated			39.6	4.10		162.4	
Base Total: 72.6 442.9				As-Built Total:		72.6			297.7		
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: 19216.9				Summer As-Built Points: 16587.6						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
19216.9	0.3250		6245.5	(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS) 16588 1.00 (1.00 x 1.147 x 0.91) 0.260 0.902 4062.6 16587.6 1.00 1.044 0.260 0.902 4062.6						

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	48.0	13.30	1.02	653.0
				4.Double, Clear	S	1.0	6.0	30.0	13.30	1.02	408.0
				5.Double, Clear	E	1.0	6.0	5.0	18.79	1.02	95.0
				6.Double, Clear	E	1.0	6.0	8.0	18.79	1.02	152.0
				As-Built Total: 141.0 2536.0							
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		1394.4	3.40		4741.0
Exterior	1394.4	3.70	5159.3								
Base Total: 1394.4 5159.3				As-Built Total: 1394.4 4741.0							
DOOR TYPES Area X BWPM = Points				Type Area X WPM = Points							
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				33.0	8.40		277.2
Exterior	72.6	12.30	893.0	2.Exterior Insulated				39.6	8.40		332.6
Base Total: 72.6 893.0				As-Built Total: 72.6 609.8							
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: 1608.0 3296.4				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: 1966.9				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: 16204.8			Winter As-Built Points: 14389.3						
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
16204.8	0.5540	8977.5	(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0 14389.3	1.000	(1.000 x 1.169 x 0.93)	0.401	0.950	5962.0	
16204.8	0.5540	8977.5	14389.3	1.00	1.087	0.401	0.950	5962.0	

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
6245		8977		7905 23128	4063		5962		7737 17761

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) 141.0 ft ²	___		HSPF: 8.50
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 141.0 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, 1394.4 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, 53.0 ft	___		
b. N/A	___	___		

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ 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: Cannon Creek - Lot#25		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: P. 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			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	1608.0 ft²	1608.0 ft²	1		
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1394.4 ft²	1		
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	2
	4	Double	Clear	S	30.0 ft²	1.0 ft	6.0 ft	1
	5	Double	Clear	E	5.0 ft²	1.0 ft	6.0 ft	1
	6	Double	Clear	E	8.0 ft²	1.0 ft	6.0 ft	1
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	33.0 ft²	1			
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit/Split	SEER: 13.00	32.0 kBtu/hr				
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump/Split	HSPF: 8.50	32.0 kBtu/hr				
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Cond.	Cond.	Interior	6.0	53.0 ft		
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:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

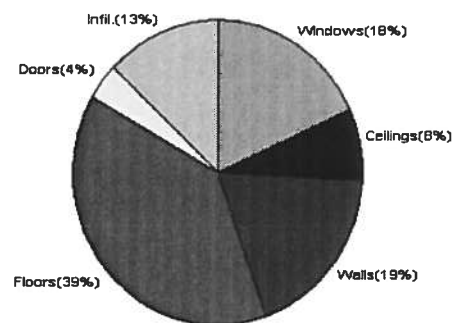
11/13/2007

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	24728	Btuh	Total cooling load calculation	14783	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	129.4	32000	Sensible (SHR = 0.75)	185.0	24000
Heat Pump + Auxiliary(0.0kW)	129.4	32000	Latent	441.9	8000
			Total (Electric Heat Pump)	216.5	32000

WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

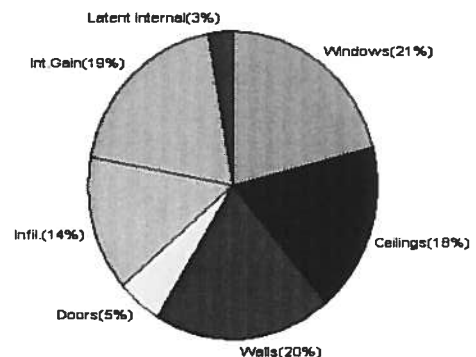
Load component			Load	
Window total	141	sqft	4539	Btuh
Wall total	1394	sqft	4579	Btuh
Door total	73	sqft	940	Btuh
Ceiling total	1608	sqft	1895	Btuh
Floor total	221	sqft	9649	Btuh
Infiltration	77	cfm	3126	Btuh
Duct loss			0	Btuh
Subtotal			24728	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			24728	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component			Load	
Window total	141	sqft	3112	Btuh
Wall total	1394	sqft	2908	Btuh
Door total	73	sqft	711	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			12973	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			14783	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Delvin J. Motes

DATE: 11-13-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

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

11/13/2007

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	48.0	32.2	1545 Btuh
4	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	E	5.0	32.2	161 Btuh
6	2, Clear, Metal, 0.87	E	8.0	32.2	258 Btuh
Window Total			141(sqft)		4539 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1394	3.3	4579 Btuh
Wall Total			1394		4579 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		33	12.9	427 Btuh
2	Insulated - Exterior		40	12.9	513 Btuh
Door Total			73		940Btuh
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
Envelope Subtotal:					21602 Btuh
Infiltration	Type	ACH X Volume(cuft) walls(sqft)	CFM=		
	Natural	0.32 14472 1394	77.2		3126 Btuh
Ductload			(DLM of 0.000)		0 Btuh
All Zones	Sensible Subtotal All Zones				24728 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24728 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24728 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

11/13/2007

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:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

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

11/13/2007

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	48.0	32.2	1545 Btuh
4	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	E	5.0	32.2	161 Btuh
6	2, Clear, Metal, 0.87	E	8.0	32.2	258 Btuh
	Window Total		141(sqft)		4539 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1394	3.3	4579 Btuh
	Wall Total		1394		4579 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		33	12.9	427 Btuh
2	Insulated - Exterior		40	12.9	513 Btuh
	Door Total		73		940Btuh
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:				21602 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32 14472	1394	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				24728 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	24728 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24728 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

11/13/2007

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	32000 Btuh
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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:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

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

11/13/2007

Component Loads for Whole House

Window	Type*		Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS	Ornt	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.	48.0	48.0	0.0	19	23	897	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	E	1ft.	6ft.	5.0	0.0	5.0	19	55	277	Btuh
6	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	8.0	0.0	8.0	19	55	443	Btuh
	Window Total				141 (sqft)					3112 Btuh	
Walls	Type		R-Value/U-Value		Area(sqft)			HTM		Load	
1	Frame - Wood - Ext		13.0/0.09		1394.4			2.1		2908 Btuh	
	Wall Total				1394 (sqft)					2908 Btuh	
Doors	Type				Area (sqft)			HTM		Load	
1	Insulated - Exterior				33.0			9.8		323 Btuh	
2	Insulated - Exterior				39.6			9.8		388 Btuh	
	Door Total				73 (sqft)					711 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:									9395 Btuh	
Infiltration	Type		ACH		Volume(cuft)		area(sqft)	CFM=		Load	
	SensibleNatural		0.16		14472		1394	77.2		718 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			2		X 230			+	2400	2860 Btuh	
	Sensible Envelope Load:									12973 Btuh	
Duct load	(DGM of 0.000)									0 Btuh	
	Sensible Load All Zones									12973 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

11/13/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12973 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12973 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12973 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	14783 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:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

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

11/13/2007

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.	48.0	48.0	0.0	19	23	897 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	E	1ft.	6ft.	5.0	0.0	5.0	19	55	277 Btuh
6	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	8.0	0.0	8.0	19	55	443 Btuh
	Window Total				141 (sqft)					3112 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1394.4		2.1		2908 Btuh		
	Wall Total				1394 (sqft)				2908 Btuh	
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Exterior			33.0		9.8		323 Btuh		
2	Insulated - Exterior			39.6		9.8		388 Btuh		
	Door Total				73 (sqft)				711 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:								9395 Btuh	
Infiltration	Type	ACH		Volume(cuft) wall area(sqft)		CFM=		Load		
	SensibleNatural	0.16		14472 1394		38.6		718 Btuh		
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
	2		X 230 +		2400		2860 Btuh			
	Sensible Envelope Load:								12973 Btuh	
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond) (DGM of 0.000)								0 Btuh	
	Sensible Zone Load								12973 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

11/13/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	12973 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	12973 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	12973 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	14783 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:
Cannon Creek - Lot#25

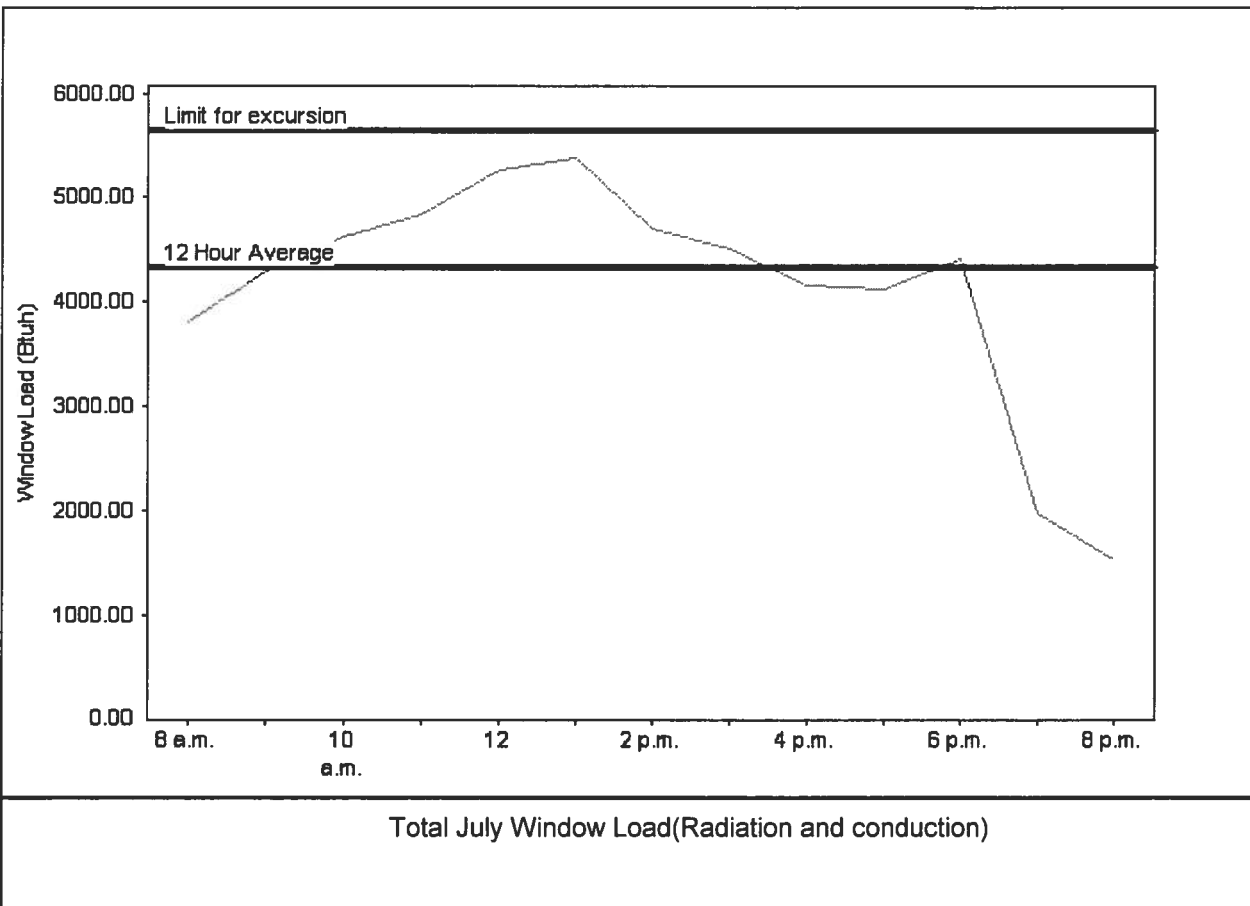
Code Only
Professional Version
Climate: North

11/13/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	4340 Btuh
Summer setpoint	75 F	Peak window load for July	5368 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	5642 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: William J. Motes

DATE: 11-13-07

EnergyGauge® FLRCPB v4.5.2





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.

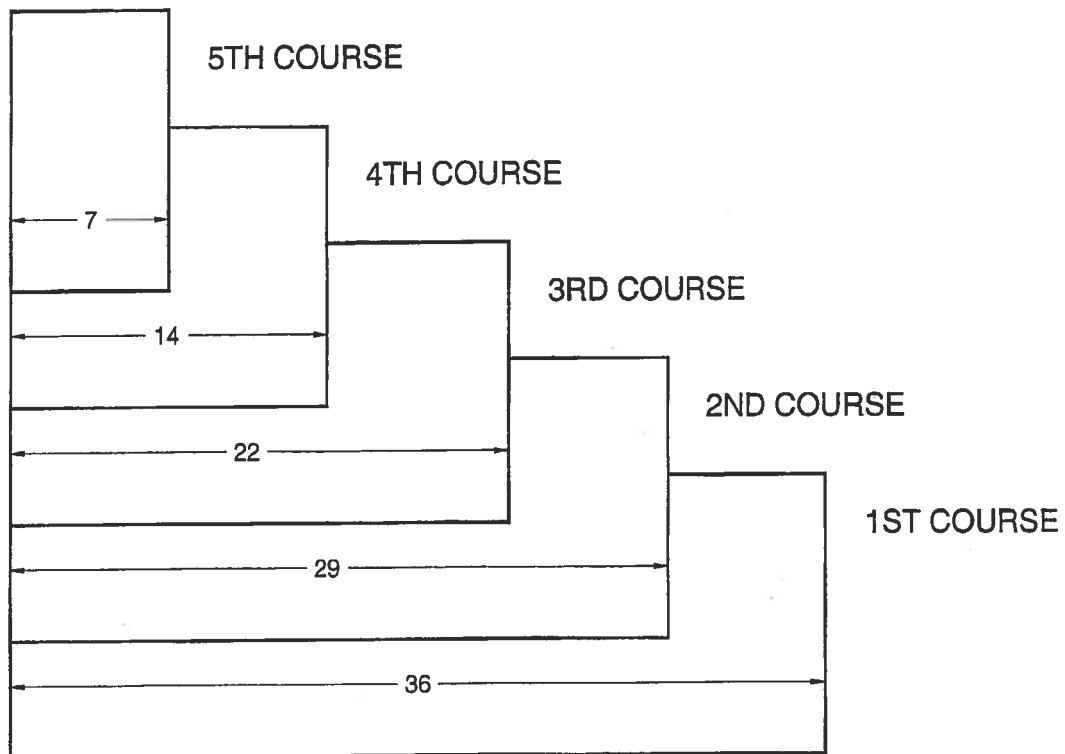


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 2 of 4

DETAIL A

HERITAGE DECLARATION & XL

All dimensions are in inches.



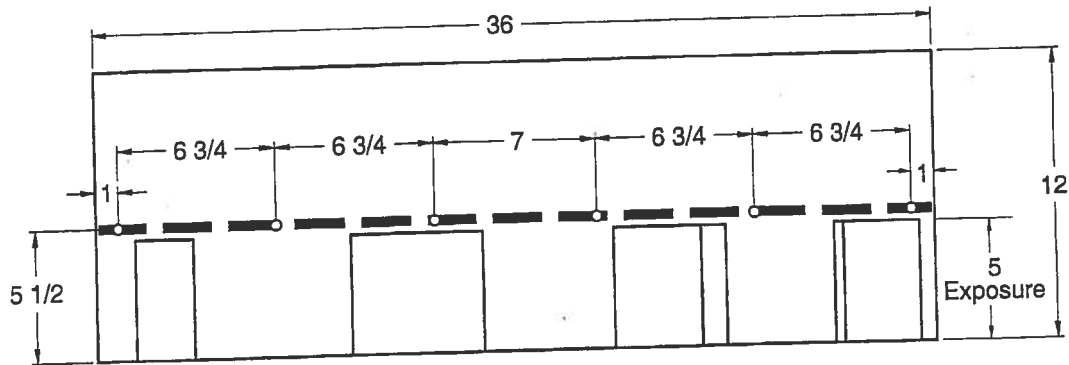
NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03
Page 3 of 4

DETAIL B

HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE

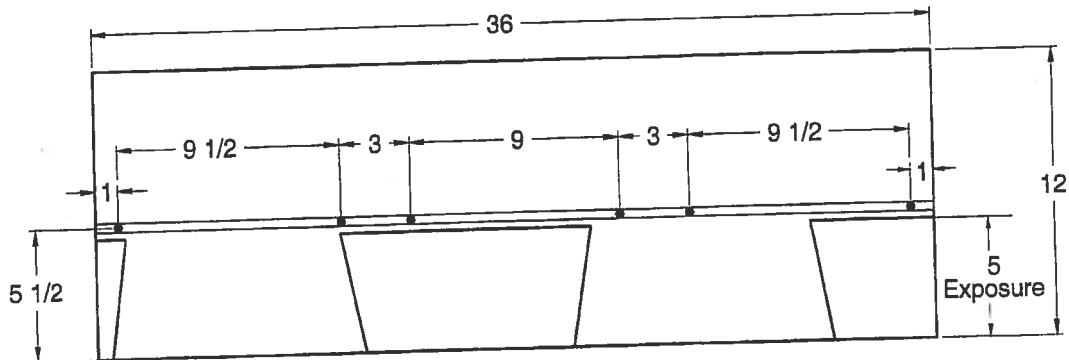
All dimensions are in inches.



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

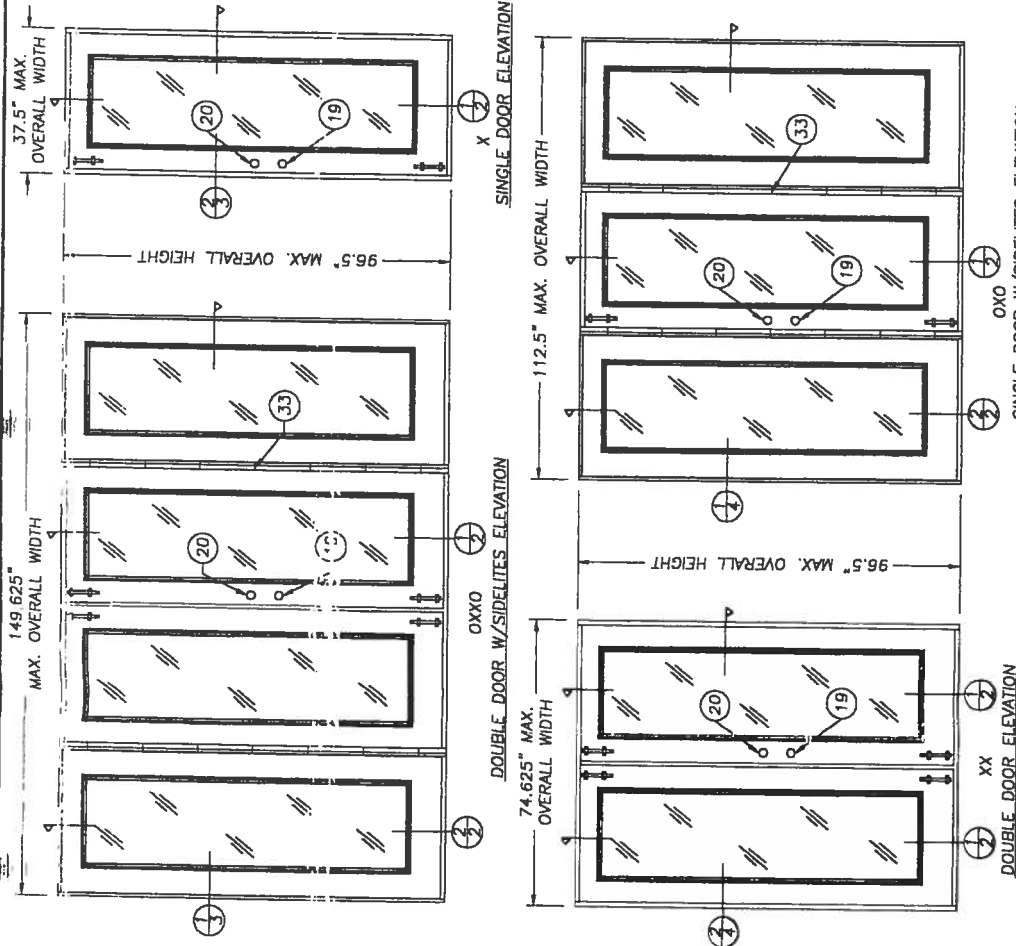
1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBLEMENT TO BASE MATERIAL SHALL 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 (0.0118") minimum thickness, Galvanized steel A-525 commercial quality AKQ9 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 end rails are built jointed to stiles at corners. Panels are sandwich glazed using a two piece PVC lite frame with mitered & welded corners.

SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS & DOOR MATERIALS
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 REVIEWED
As required by the Florida
Building Code
Acceptance No. 02-1-2018-01
Expiration Date 12/31/2020
By: [Signature]
Miami Trade Product Control
DK/ldm

APPROVED AS COMPLIANT WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: APRIL 05, 2001
BY: [Signature]
BUILDING CODE COMPLIANCE OFFICE
S-2003
ACCEPTANCE NO. 02-1-2018-01

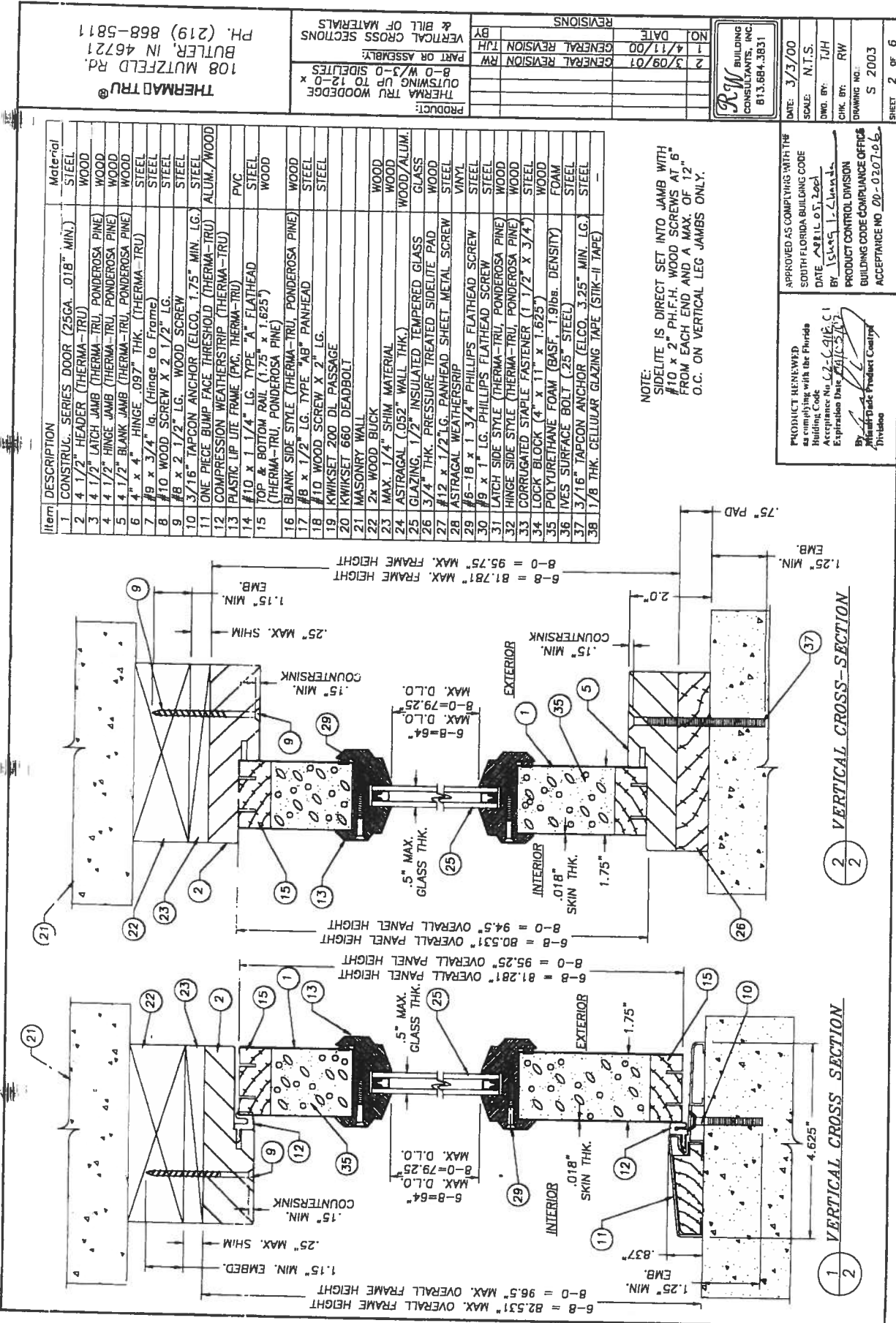
DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO. S-2003
SHEET 1 OF 6

RW BUILDING CONSULTANTS, INC.
813.684.3831

NO.	DATE	REVISIONS
1	4/11/00	GENERAL REVISION
2	3/09/01	GENERAL REVISION
3	8/01/00	GENERAL REVISION
4	8/01/00	GENERAL REVISION
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10	8/01/00	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 46721
PH. (219) 868-5811



Item	DESCRIPTION	MATERIAL
1	CONSTRUC. SERIES DOOR (25GA. .018" MIN.)	STEEL
2	4 1/2" HEADER (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" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
6	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
7	4" x 4" HINGE .097" THK. (Hinge)	STEEL
8	10 WOOD SCREW X 2 1/2" LG.	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 LIP 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)	STEEL
16	10 WOOD SCREW X 2" LG.	STEEL
17	10 WOOD SCREW X 2" LG.	STEEL
18	KNIKSET 200 DL PASSAGE	STEEL
19	KNIKSET 660 DEADBOLT	STEEL
20	MASONRY WALL	WOOD
21	2x WOOD BUCK	WOOD
22	MAX. 1/4" SHIM MATERIAL	WOOD/ALUM.
23	ASTRAGAL (.052" WALL THK.)	GLASS
24	GLAZING, 1/2" INSULATED TEMPERED GLASS	WOOD
25	3/4" THK. PRESSURE TREATED SIDELITE PAD	STEEL
26	12 x 1/2" LG. PANHEAD SHEET METAL SCREW	VINYL
27	ASTRAGAL WEATHERSTRIP	STEEL
28	16 x 1 3/4" PHILLIPS FLATHEAD SCREW	STEEL
29	16 x 1 3/4" PHILLIPS FLATHEAD SCREW	STEEL
30	LATCH SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
31	HINGE SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
32	CORRUGATED STAPLE FASTENER (1 1/2" x 3/4")	STEEL
33	LOCK BLOCK (4" x 11" x 1.625")	WOOD
34	POLYURETHANE FOAM (BASF, 1.9lb. DENSITY)	FOAM
35	IVES SURFACE BOLT (.25" STEEL)	STEEL
36	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
37	1/8" THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	-

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

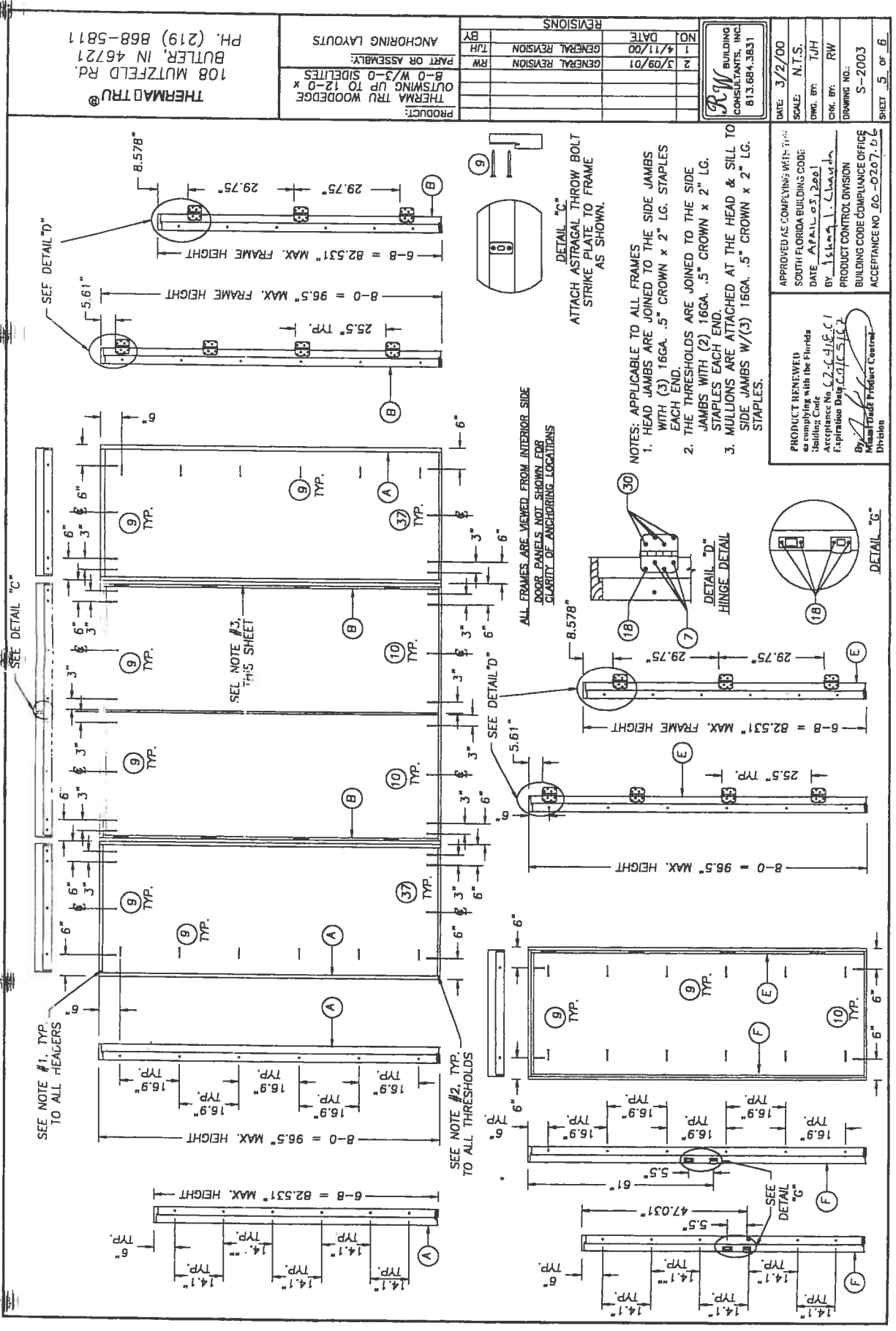
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DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S 2003
SHEET 2 of 6

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 12/11/01
BY: 12/11/01
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207-06

PRODUCED BY THE
FLORIDA BUILDING CODE
OFFICE
AS COMPLYING WITH THE FLORIDA
BUILDING CODE
Acceptance No. 00-0207-06
Expiration Date 12/11/01
By: 12/11/01
Division

- NOTE:
1. 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.
 2. SPACING OF SCREW ITEM #27 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP AND THE TOP DOWN SPACING IS 1", 3", 5", 7", 10" & 10".
 3. SPACING OF SCREW ITEM #28 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP ON SIDES, 6.438" & (8-0) (7) MORE AT 8.893" & (6-8) (6) MORE AT 9.21" O.C. TOP & BOTTOM, 3.219" FROM THE END IN (3) MORE AT 5.896" O.C.



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

NO.	DATE	REVISIONS
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99	11/11/01	GENERAL REVISION
100	11/11/01	GENERAL REVISION

DATE: 3/2/00	SCALE: N.T.S.	DWG. BY: T.H.	CHK. BY: RW	DRAWING NO.: S-2003	SHEET 5 of 6
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: APRIL 05, 2001 BY: [Signature] PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 00-0207-D6					

DETAIL "C"
 ATTACH ASTRAGAL THROW BOLT
 STRIKE PLATE TO FRAME
 AS SHOWN.

NOTES: APPLICABLE TO ALL FRAMES
 1. HEAD JAMBS ARE JOINED TO THE SIDE JAMBS
 WITH (3) 16GA. .5" CROWN x 2" LG. STAPLES
 EACH END.
 2. THE THRESHOLDS ARE JOINED TO THE SIDE
 JAMBS WITH (2) 16GA. .5" CROWN x 2" LG.
 STAPLES EACH END.
 3. MULLIONS ARE ATTACHED AT THE HEAD & SILL TO
 SIDE JAMBS W/(3) 16GA. .5" CROWN x 2" LG.
 STAPLES.

ALL FRAMES ARE VIEWED FROM INTERIOR SIDE
 DOOR PANELS NOT SHOWN FOR
 CLARITY OF ANCHORING LOCATIONS

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 02-0418-1
 Expiration Date 04/05/02
 By: [Signature]
 Miami Trade Product Control
 Division



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.**

2/13/2003



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

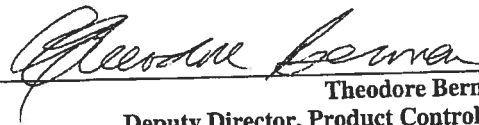
1. None.

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



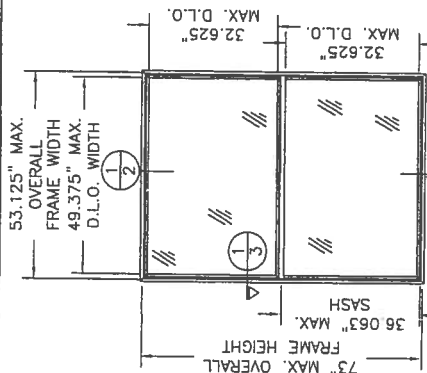
MI HOME PRODUCTS

650 WEST MARKET STREET • GRATZ, PA • 17030-0370

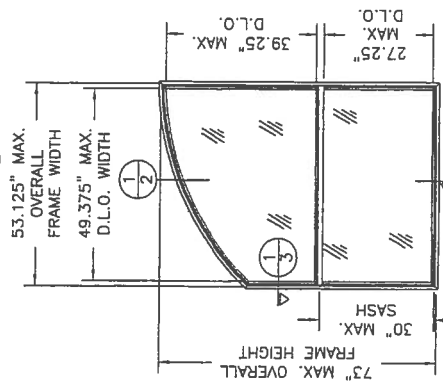
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

GENERAL NOTES:

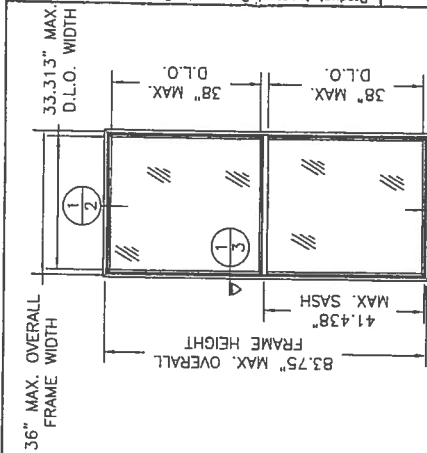
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. FOR DESIGN PRESSURE RATING SEE TABLE THIS SHEET.
5. INSTALLATION OF THIS SYSTEM IN HVHZ AREA REQUIRES 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.



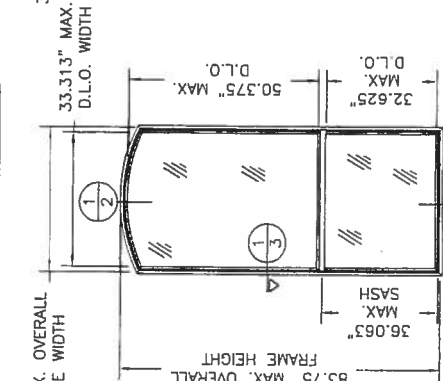
53' x 73' SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



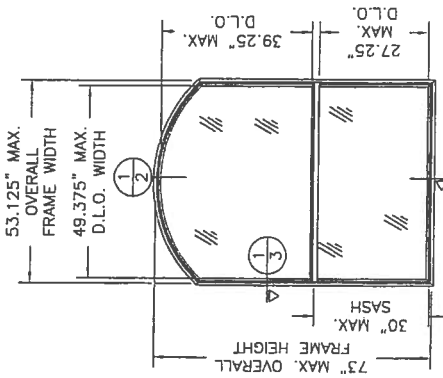
53' x 73' SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



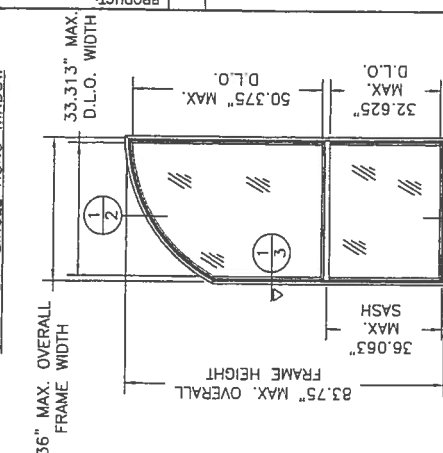
37' x 84' SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



37' x 84' SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



37' x 84' SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



37' x 84' SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL

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

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

Approved as complying with the
Florida Building Code
Date: 05/08/04
Title: D185SH-D3185SH
MI Home Products Company
By: [Signature] Wendell Deenon

Product Approval Documents Prescribed By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Venice FL 33595
Phone No: 813 859 5197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Deenon, P.E. NO. 54158

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

NO.	DATE	REVISIONS
1	01/04	REVISED PER DADE LETTER
2	2/10/04	CORRECT DP TABLE

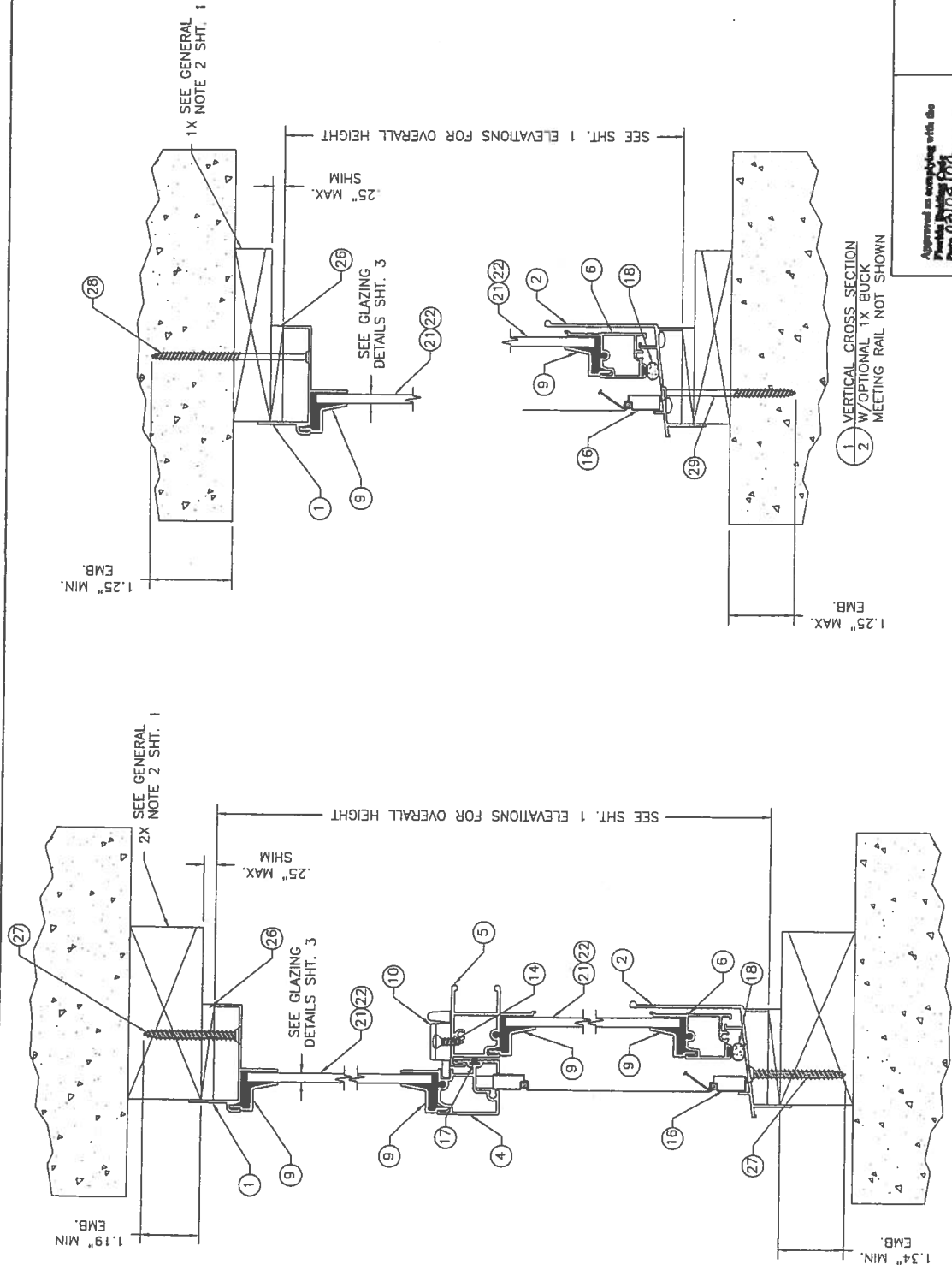
DATE 10/27/03
SCALE N.T.S.
DWG. BY: T.J.H.
CHK. BY: RW
DRAWING NO. S-2422
SHEET 1 of 5

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 White, FL 33595
 Phone No.: 813.659.9197
 Certificate of Professional Engineers
 Florida Board of Professional Engineers
 No. 54126
 2/10/04

PRODUCT:
 NON-IMPACT SINGLE HUNG
 WINDOWS RECTANGLE,
 CIRCLE TOP & OREIL
 PART OR ASSEMBLY:
 VERTICAL
 CROSS SECTIONS

REVISIONS	
NO.	DATE
1	01/04
2	2/10/04
CORRECT DP TABLE	
REVISED PER DATE LETTER	
WH	
BY	

DATE: 10/27/03
 SCALE: N.T.S.
 DWG. BY: T.J.H.
 CHK. BY: RW
 DRAWING NO: S-2422
 SHEET 2 OF 5



1 VERTICAL CROSS SECTION
 2 W/2X BUCK

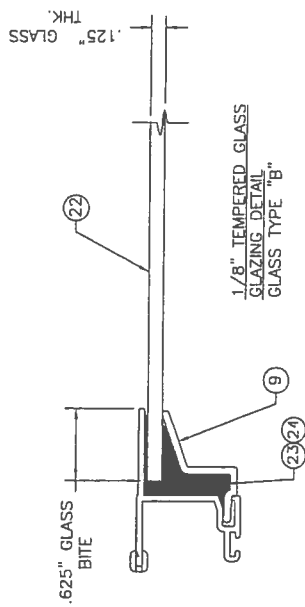
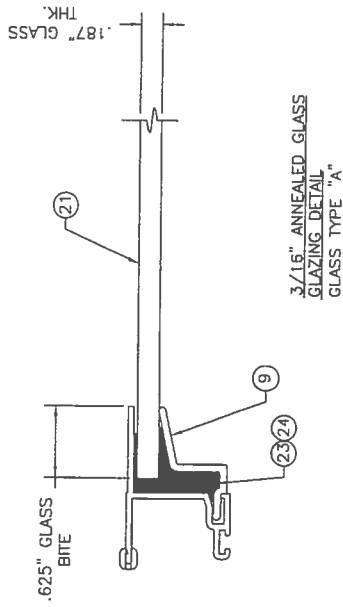
Approved as existing with the
 Permitting Agency for
 Date: 03/04/04
 NO. 03-1215-02
 Building Code Official
 By: [Signature]

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

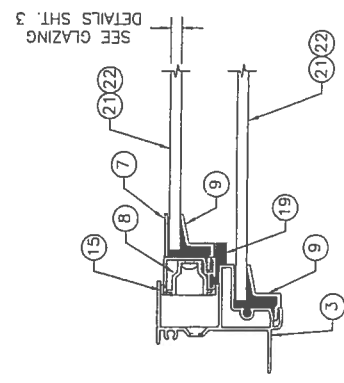
PRODUCT:
 NON-IMPACT SINGLE HUNG
 WINDOWS RECTANGLE,
 CIRCLE TOP & ORBITAL
 PART OR ASSEMBLY:
 HORIZONTAL CROSS SECTIONS
 & GLAZING DETAILS

REVISIONS	
NO.	DATE
1	01/04
2	2/10/04
CORRECT DP TABLE	
REVISED PER DATE LETTER	
WH	
BY	

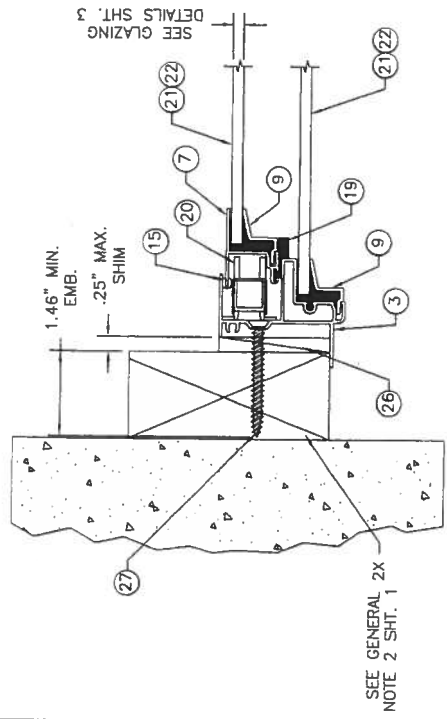
DATE: 10/27/03
 SCALE: N.T.S.
 DWG. BY: TJH
 CHK. BY: RW
 DRAWING NO.
 S-2422
 SHEET 3 OF 5



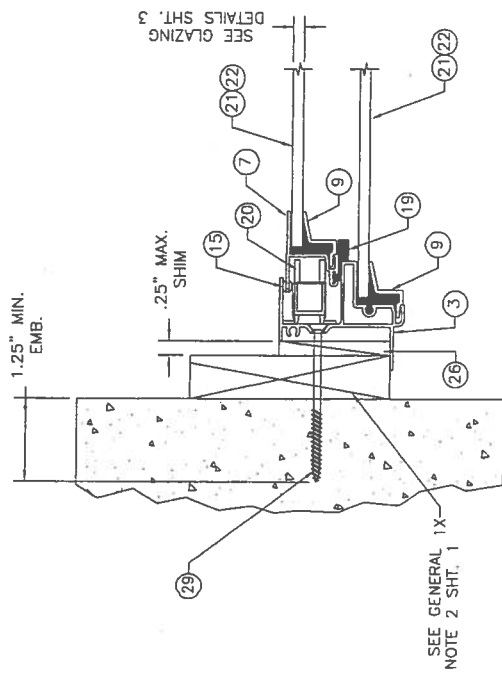
- NOTES:
1. THE MAIN FRAME HEAD, SIDES AND SILL ARE CONNECTED TOGETHER AT EACH CORNER WITH (2) ITEM #11, A #8 x 3/4" PHILLIPS PAN HEAD SCREW. THE SCREWS RUN FROM THE HEAD DOWN INTO THE SIDES AND FROM THE SILL UP INTO THE SIDES.
 2. THE FIXED MEETING RAIL IS SECURED TO THE SIDES WITH (2) EACH SIDE ITEM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



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



1 HORIZONTAL CROSS SECTION
 3 W/ 2X BUCK



1 HORIZONTAL CROSS SECTION
 3 W/ 1X BUCK

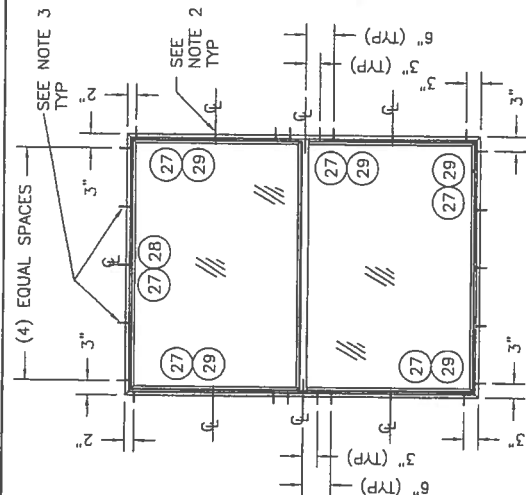
Approved as complying with the
 Florida Building Code
 Date 05/04/04
 Name TJH
 Title Building Consultant
 By Wendell Heiser

Product Approval Documents Prepared By:
RW
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813 553-9197
 Florida Board of Professional Engineers
 Certificate of Authorization No. 9813
 Wendell Hardy, P.E. No. 54158
 2/10/04

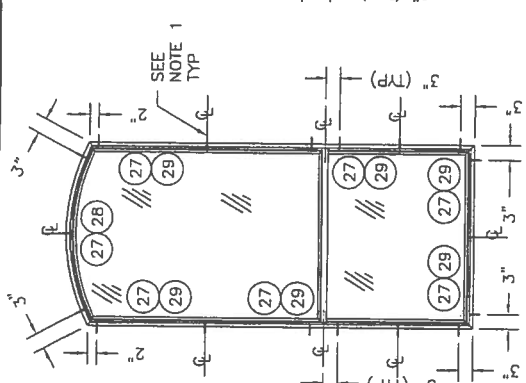
PRODUCT:
 NON-IMPACT SINGLE HUNG WINDOW RECTANGLE
 CIRCLE TOP & ORIEL
 PART OR ASSEMBLY:
 ANCHORING LOCATIONS

REVISIONS		
NO	DATE	REVISION
1	01/04	CORRECT DP TABLE
2	2/10/04	REVISED PER DATE LETTER
BY	WH	
BY	RW	

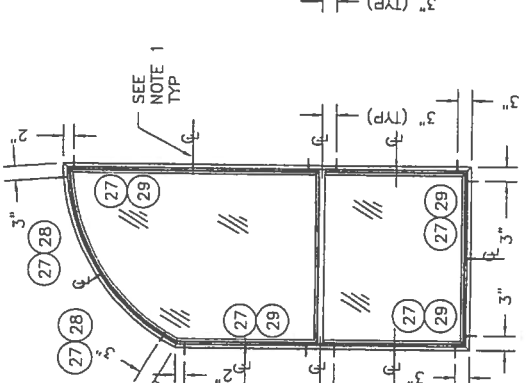
DATE: 10/27/03
 SCALE: N.T.S.
 DPK: BY: TJH
 CHK: BY: RW
 DRAWING NO: S-2422
 SHEET 4 OF 5



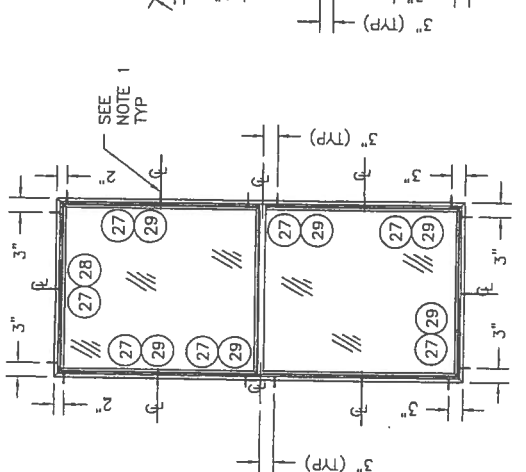
53" x 73" SINGLE HUNG WINDOW



37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL

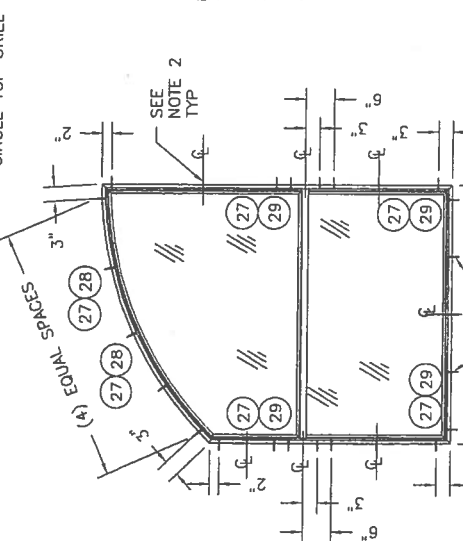


37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL

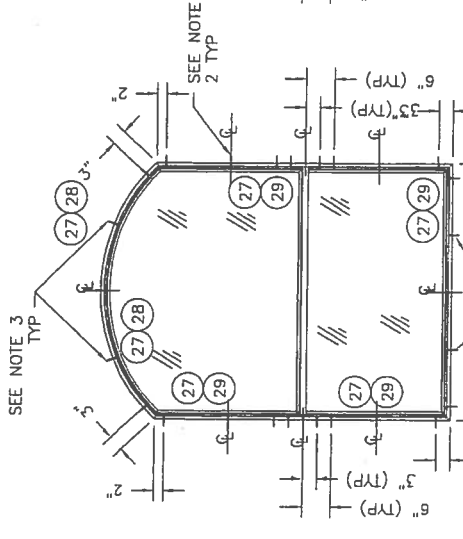


37" x 84" SINGLE HUNG WINDOW

NOTES:
 1. FOR UNITS SMALLER THAN 30"x60" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
 2. FOR UNITS SMALLER THAN 53"x60" OR SMALLER THAN 30"x66" DO NOT INSTALL ANCHOR AT CENTER LOCATION.
 3. FOR UNITS SMALLER THAN 36"x66" DO NOT INSTALL ANCHORS AT EITHER SIDE OF CENTER ANCHOR AT HEAD AND SILL JAMBS.



53" x 73" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL

Approved as complying with the
 Florida Building Code
 Date: 08/04/04
 Name: 08/04/04
 Title: Building Consultant
 By: Wendell Hardy

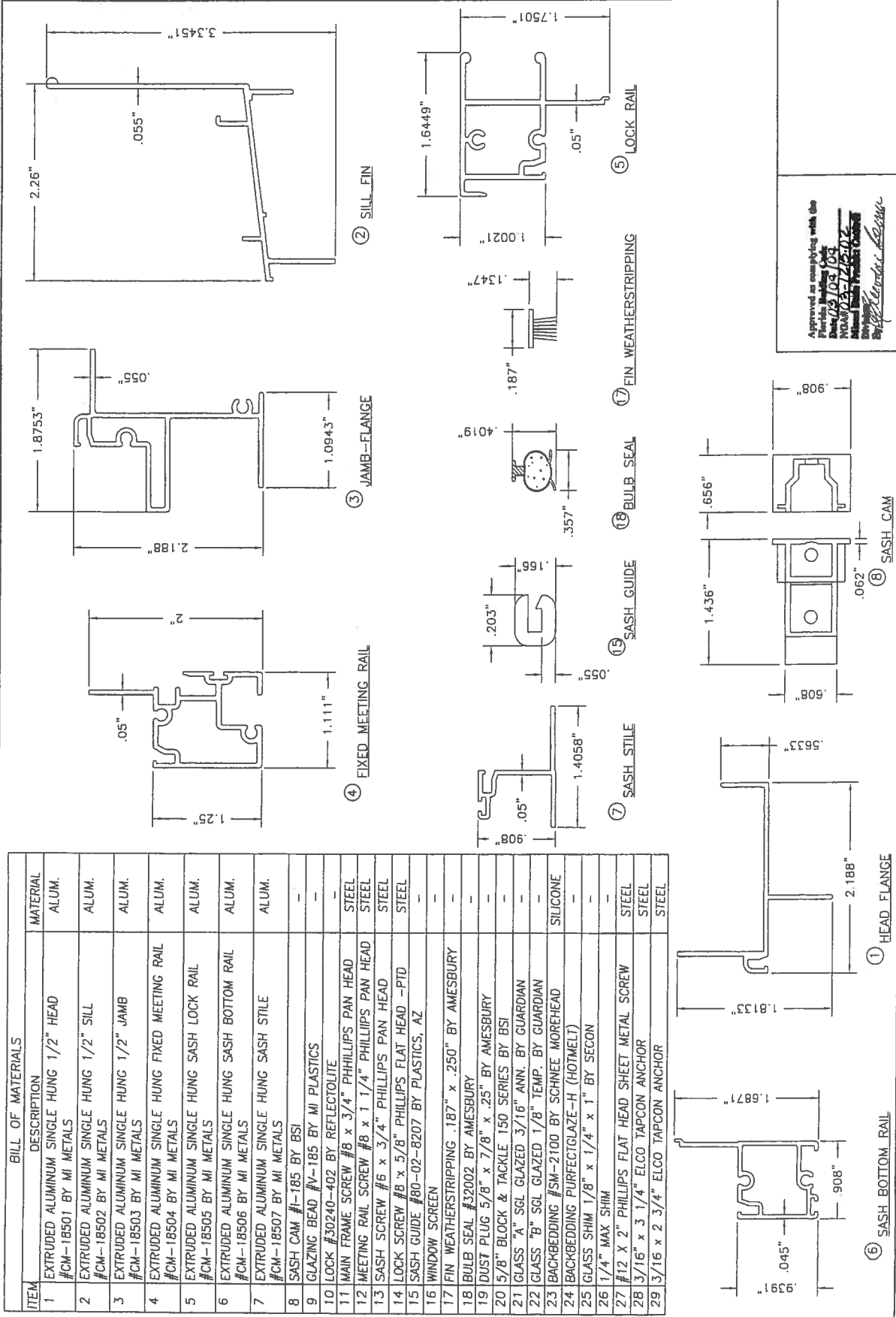
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD	ALUM.
2	#CM-18501 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL	ALUM.
4	#CM-18502 BY MI METALS	ALUM.
5	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB	ALUM.
6	#CM-18503 BY MI METALS	ALUM.
7	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL	ALUM.
8	#CM-18504 BY MI METALS	ALUM.
9	EXTRUDED ALUMINUM SINGLE HUNG SASH LOCK RAIL	ALUM.
10	#CM-18505 BY MI METALS	ALUM.
11	EXTRUDED ALUMINUM SINGLE HUNG SASH BOTTOM RAIL	ALUM.
12	#CM-18506 BY MI METALS	ALUM.
13	EXTRUDED ALUMINUM SINGLE HUNG SASH STILE	ALUM.
14	#CM-18507 BY MI METALS	ALUM.
15	SASH CAM #1-185 BY BSI	-
16	GLAZING BEAD #V-185 BY MI PLASTICS	-
17	LOCK #30240-402 BY REFLECTOLITE	-
18	11 MAIN FRAME SCREW #8 x 3/4" PHILLIPS PAN HEAD	STEEL
19	12 MEETING RAIL SCREW #8 x 1 1/4" PHILLIPS PAN HEAD	STEEL
20	13 SASH SCREW #6 x 3/4" PHILLIPS PAN HEAD	STEEL
21	14 LOCK SCREW #8 x 5/8" PHILLIPS FLAT HEAD -PTD	STEEL
22	15 SASH GUIDE #80-02-8207 BY PLASTICS, AZ	-
23	16 WINDOW SCREEN	-
24	17 FIN WEATHERSTRIPPING .187" x .250" BY AMESBURY	-
25	18 BULB SEAL #32002 BY AMESBURY	-
26	19 DUST PLUG 5/8" x 7/8" x .25" BY AMESBURY	-
27	20 5/8" BLOCK & TACKLE 150 SERIES BY BSI	-
28	21 GLASS "A" SGL GLAZED 3/16" ANN. BY GUARDIAN	-
29	22 GLASS "B" SGL GLAZED 1/8" TEMP. BY GUARDIAN	-
30	23 BACKBEDDING #SM-2100 BY SCHNEE MOREHEAD	SILICONE
31	24 BACKBEDDING PERFECTGLAZE-H (HOTMELT)	-
32	25 GLASS SHIM 1/8" x 1/4" x 1" BY SECON	-
33	26 1/4" MAX SHIM	-
34	27 #12 X 2" PHILLIPS FLAT HEAD SHEET METAL SCREW	STEEL
35	28 3/16" x 3 1/4" ELCO TAPCON ANCHOR	STEEL
36	29 3/16" x 2 3/4" ELCO TAPCON ANCHOR	STEEL

Product Approval Documents Prepared By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33595
 Phone No.: 813.558.9197
 Certificate Of Professional Engineers
 Florida Board of Professional Engineers
 No. 9813
 2/10/04
 Wendell Henry, P.E. No. 98156

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

REVISIONS	
NO.	DATE
1	01/04
2	2/10/04
3	02/04
4	02/04
5	02/04
6	02/04
7	02/04
8	02/04
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42	02/04
43	02/04
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45	02/04
46	02/04
47	02/04
48	02/04
49	02/04
50	02/04

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
 No. 03-128-02
 Building Official
 David J. Linder



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.**

Candido E. Font
03/23/06



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

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

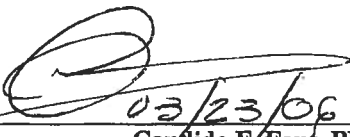
1. *Test report of Tensile Test per ASTM E 8, report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H.M. Medina, PE.*
2. *Test report of Salt Spray Test per ASTM D1654 & ASTM B117, report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated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

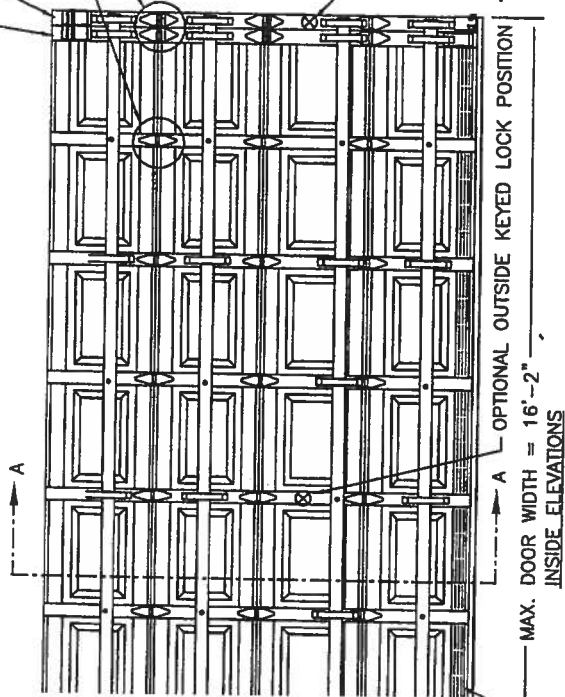
1. *Building Code Compliance Office.*


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

PATENTED TUG-L-LOC SYSTEM (TOP & BOTTOM)
 (ADHESIVE (ALONG CENTER))

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

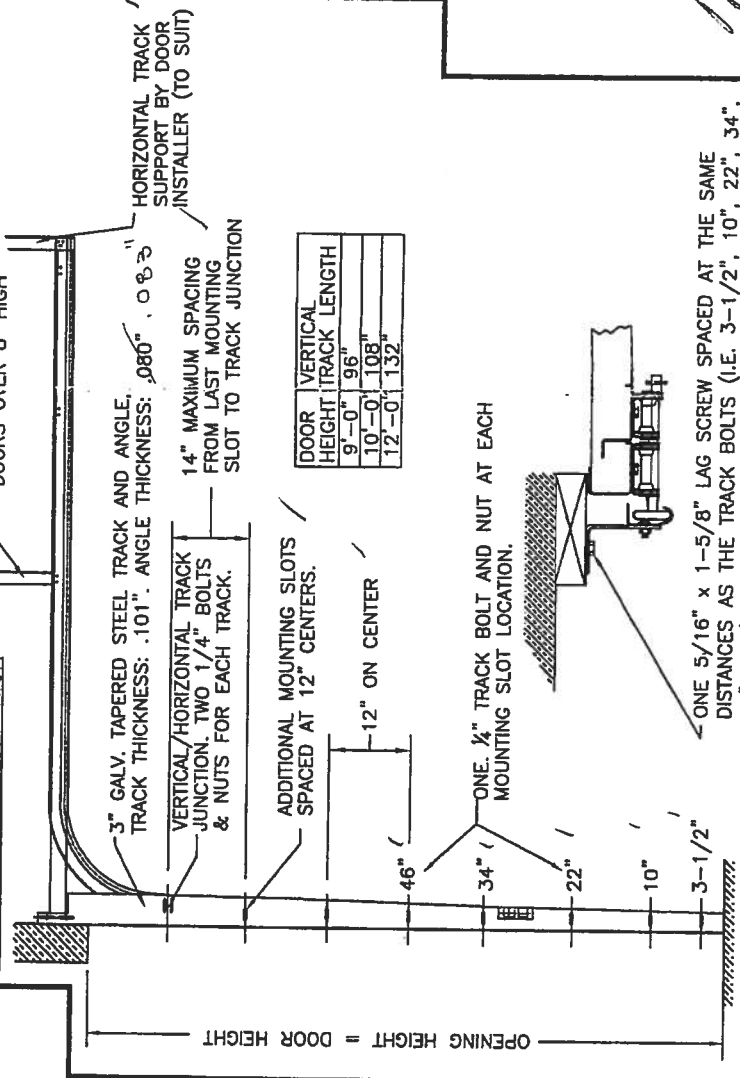
5	8/25/2003	ADDED EXTEN
6	1/6/2004	JAMB ATTACHI



24 GA. DDS STEEL (MIN. YIELD STRENGTH: 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.

TRACK CONFIGURATION
 EXTENDED HEIGHT MODELS H93, H94
 DOORS UP TO 12'0" HIGH / CENTER HANG REQUIRED FOR DOORS OVER 8' HIGH



DOOR HEIGHT	VERTICAL TRACK LENGTH
9'-0"	96"
10'-0"	108"
12'-0"	132"

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

3, 84A, 93, 94

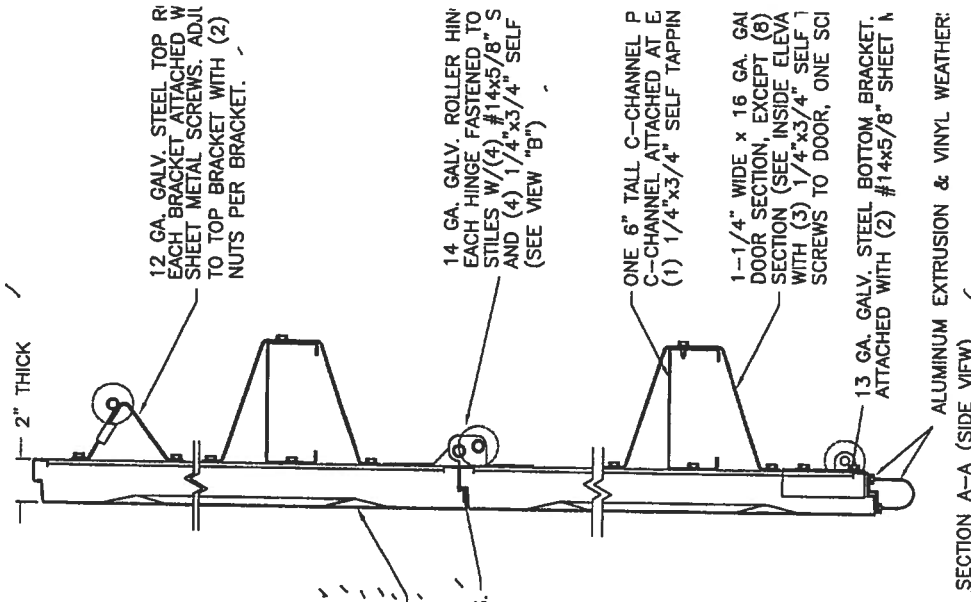
ON TAIL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)

1 CONTINUOUS

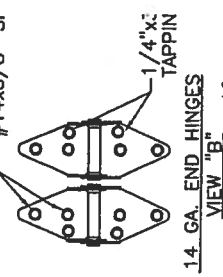
DOORS ONLY)

URATION

ACK, .083"

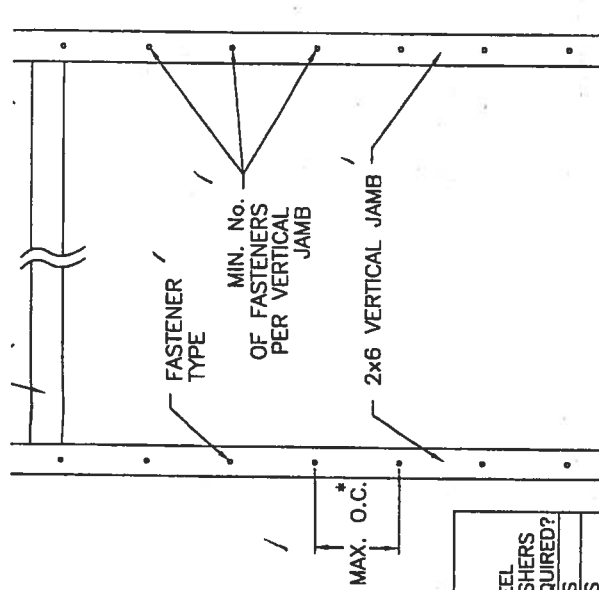


#14x5/8" SI



Handwritten signature and date: 1/6/04

5	8/25/03	ADDED EXTENDE
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 55 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

TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING 45". 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.

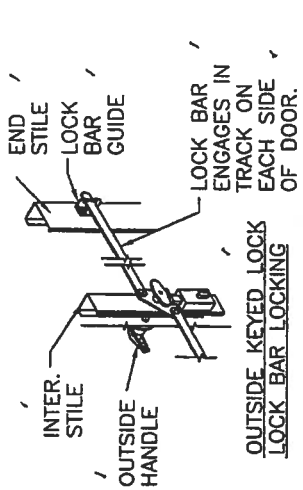
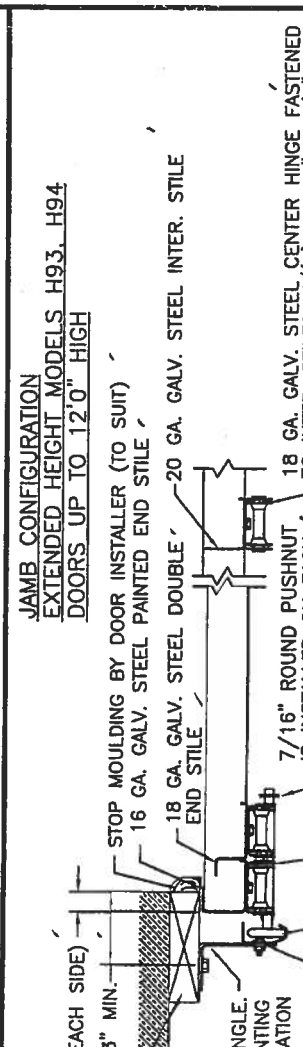
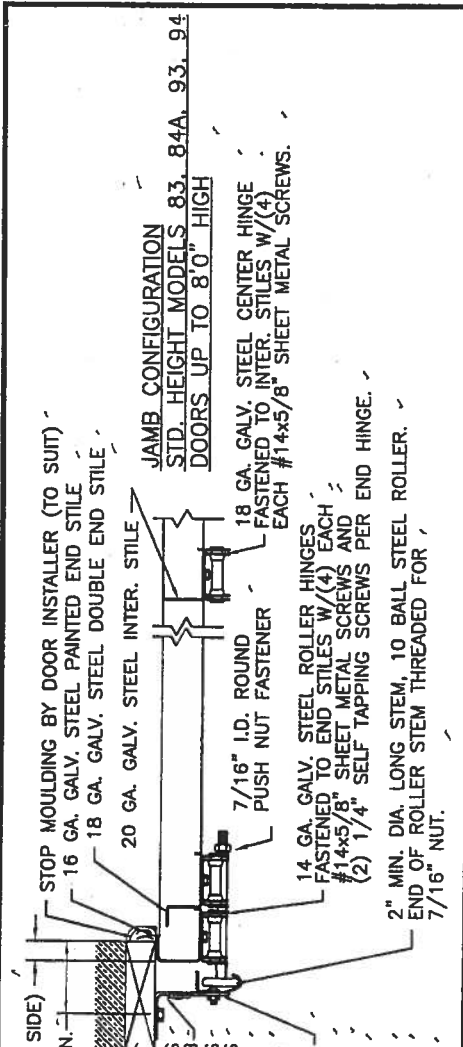
SUPPORTING STRUCTURE ATTACHMENT

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
1/4" 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.

AD HAS BEEN USED IN THE DESIGN OF CONCRETE ANCHORS & WOOD FASTENERS.



INTER. :
OUTSIDE KEYE HANDL

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 U ATTACHMENT TO THE SUPPORTING STRUCTURE OF THE PRI 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 SI DOOR HARDWARE TO BE INSTALLED PER CLOPAY INSTALLA SUPPLIED WITH DOOR SYSTEM UNLESS OTHERWISE NOTED

PROVIDE REINFORCEMENT as required with the Florida Building Code
Acceptance No. 05-19124
Inspection Date 05/26/04
37
Mark W. Westerfield, P.E.
DESIGN ENGINEER
MARK W. WESTERFIELD, P.E.
FLORIDA REGISTRATION No. 48495

Mark W. Westerfield 1/6/04

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



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)

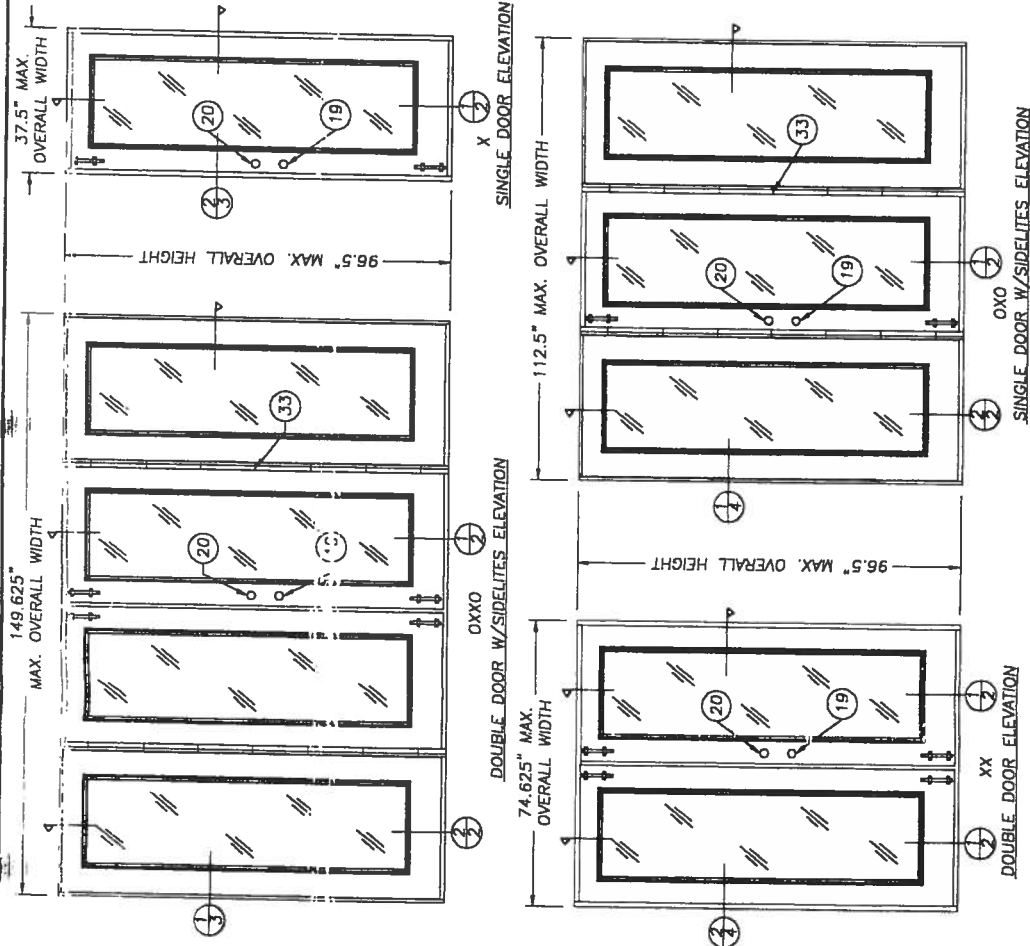
Door Leaf Construction:
Face sheets: 25 GA.(0.018") minimum thickness.
Galvanized steel A-525 commercial quality - AKQD per ASTM 620 with yield strength $F_y(\min.) = 47,000$ psi
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.
Construction: Flush or embossed type. The vertical edges of the skin, are rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood composite end rails 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)

PROJECT RENEWED
as complying with the Florida
Building Code
Acceptance No. 02-2418-01
Expiration Date 01/01/2017
By: [Signature]
Product Control Division
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE ID: 00-010746

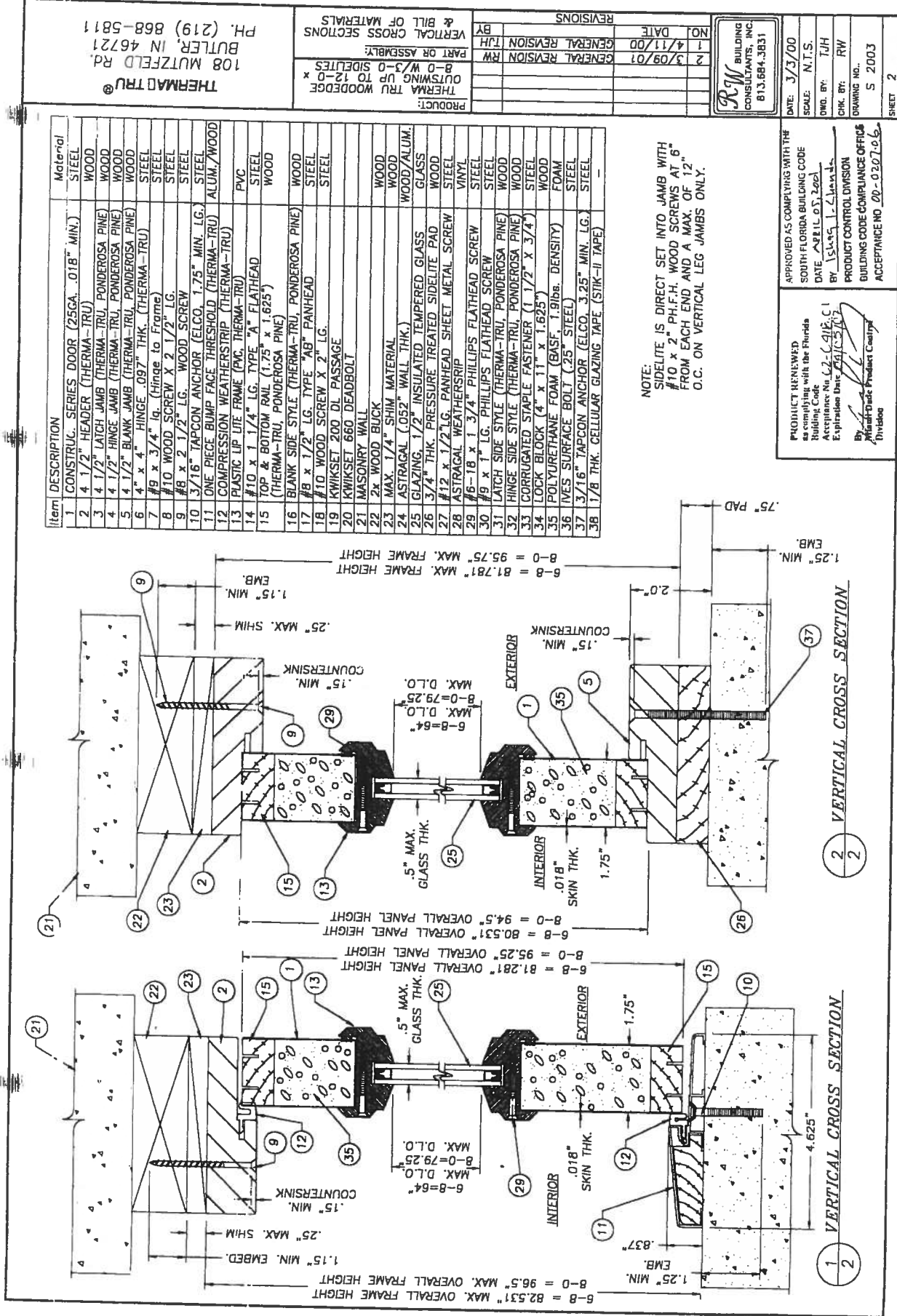
DATE: 3/3/00
SCALE: N.T.S.
DWR. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2003
SHEET 1 OF 6

REVISIONS

NO.	DATE	GENERAL REVISION
1	4/11/00	GENERAL REVISION
2	3/09/01	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 46721
PH. (219) 868-5811



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" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
6	4 1/2" BLANK JAMB (THERMA-TRU)	STEEL
7	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
8	#10 WOOD SCREW X 2 1/2" LG.	STEEL
9	#8 x 2 1/2" LG. WOOD SCREW	STEEL
10	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
11	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU)	ALUM./WOOD
12	COMPRESSION WEATHERSTRIP (THERMA-TRU)	PVC
13	PLASTIC LIP LIE FRAME (PVC, THERMA-TRU)	WOOD
14	#10 x 1 1/4" LG. TYPE "A" FLATHEAD	STEEL
15	TOP & BOTTOM RAIL (1.25" x 1.625")	WOOD
16	BLANK SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
17	#8 x 1/2" LG. TYPE "AB" PANHEAD	STEEL
18	#10 WOOD SCREW X 2" LG.	STEEL
19	KWIKSET 200 DL PASSAGE	STEEL
20	KWIKSET 660 DEADBOLT	STEEL
21	MASONRY WALL	WOOD
22	2x WOOD BUCK	WOOD
23	MAX. 1/4" SHIM MATERIAL	WOOD/ALUM.
24	ASTRAGAL (.052" WALL THK.)	GLASS
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	WOOD
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#12 x 1/2" LG. PANHEAD SHEET METAL SCREW	STEEL
28	ASTRAGAL WEATHERSTRIP	VINYL
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW	STEEL
30	#9 x 1" LG. PHILLIPS FLATHEAD SCREW	STEEL
31	LATCH SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
32	HINGE SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
33	CORRUGATED STAPLE FASTENER (1 1/2" x 3/4")	STEEL
34	LOCK BLOCK (4" x 11" x 1.625")	WOOD
35	POLYURETHANE FOAM (BASF, 1.9lb/cu. density)	FOAM
36	IVES SURFACE BOLT (.25" STEEL)	STEEL
37	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
38	1/8" THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	-

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

PRODUCT:
THERMA TRU WOODEDGE
8-0 W-3-0 SIDELITES
PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS
& BILL OF MATERIALS

NO.	DATE	REVISIONS
1	4/11/00	GENERAL REVISION
2	3/09/01	GENERAL REVISION
3	1/10/01	GENERAL REVISION

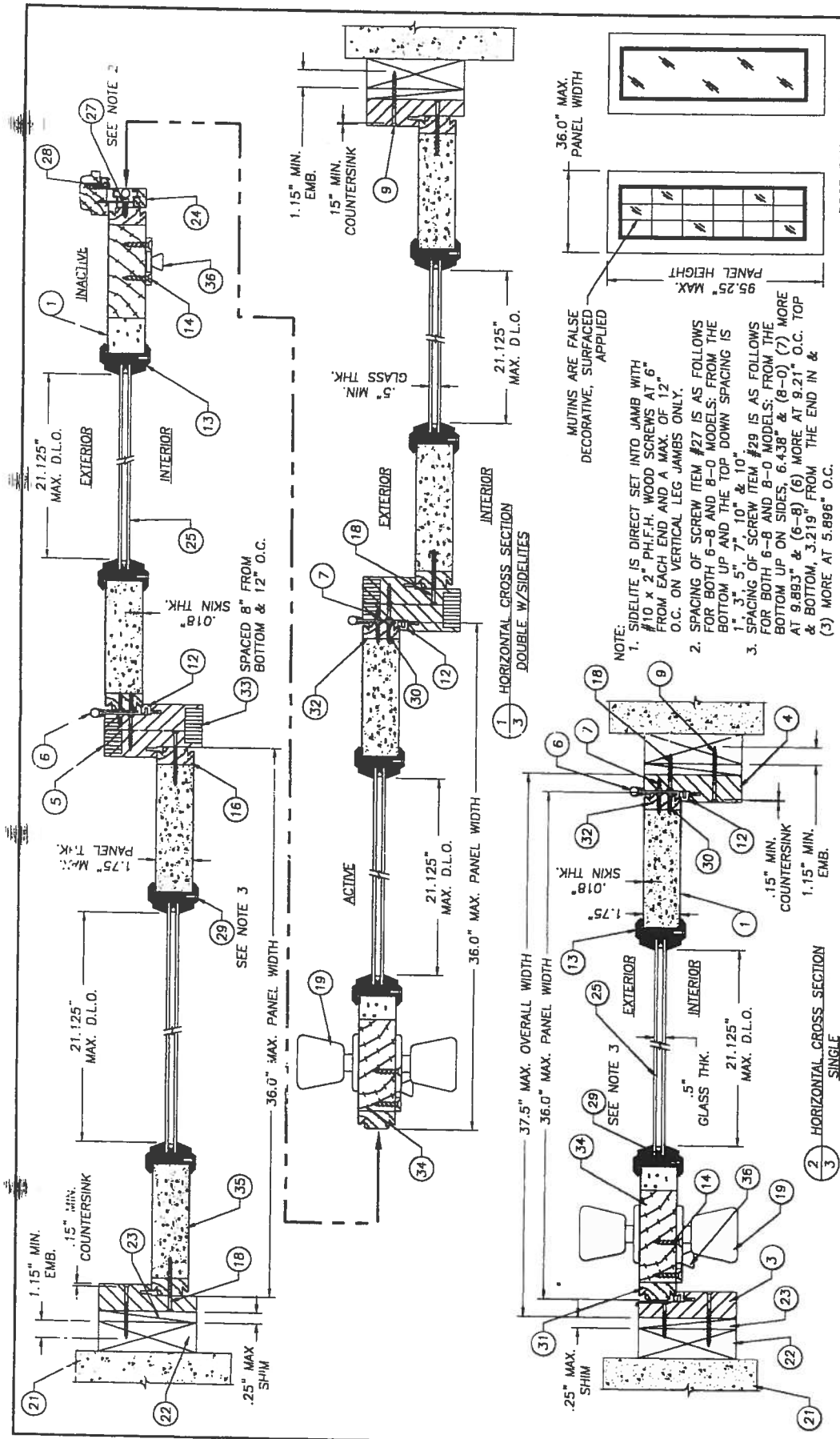
BW BUILDING
CONSULTANTS, INC.
813.684.3831

DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S 2003
SHEET 2

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 12/11/01
BY: 154495 1-2 Jamb
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207-06

1 VERTICAL CROSS SECTION

2 VERTICAL CROSS SECTION



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

REVISIONS

NO.	DATE	BY
2	3/09/01	GENERAL REVISION RW
1	4/11/00	GENERAL REVISION TJH

PRODUCT:
 THERMA TRU WOODGE
 OUTSWING UP TO 12-0 x
 8-0 W/3-0 SIDELITES

PART OR ASSEMBLY:
 HORIZONTAL CROSS
 SECTIONS & DOOR MODELS

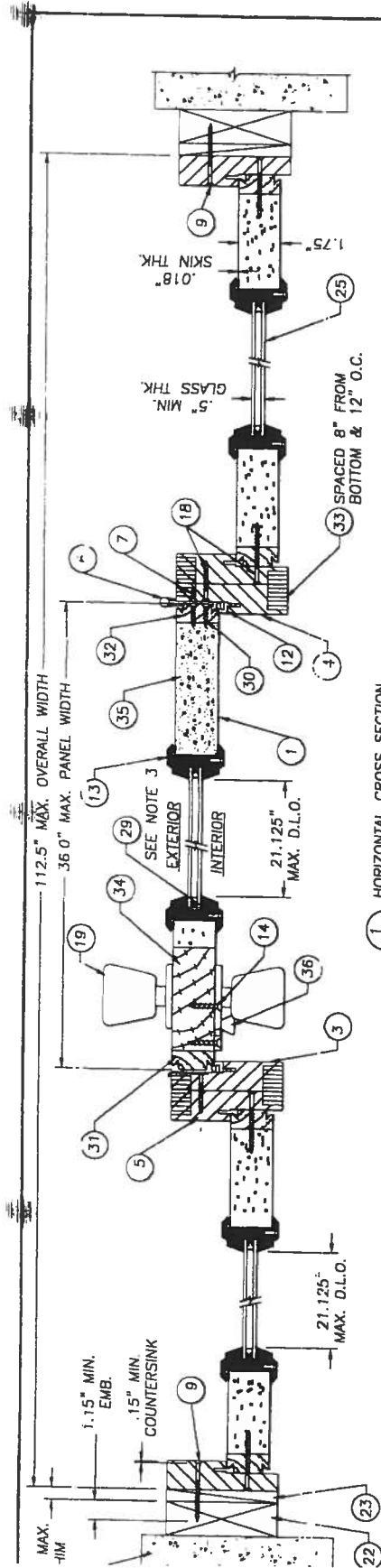
APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: APRIL 03, 2001
 BY: [Signature]
 Building Code
 Acceptance No. C-2-C-413-01
 Expiration Date: 10/03/01

PROJECT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. C-2-C-413-01
 Expiration Date: 10/03/01

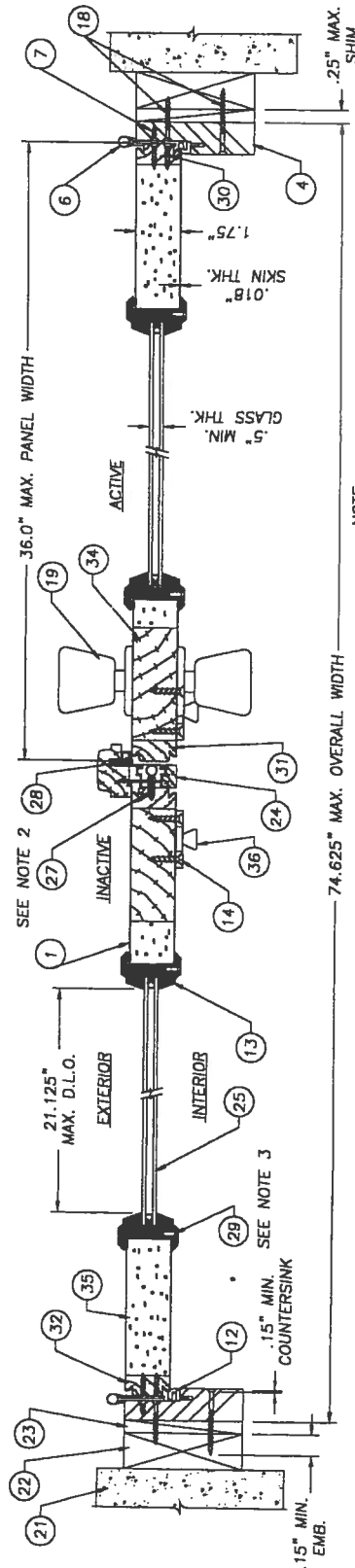
BY: [Signature]
 Division

DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2003
BUILDING CODE COMPLIANCE OFFICE:
 ACCEPTANCE NO. 00-0207-06

DOOR PANEL MODELS

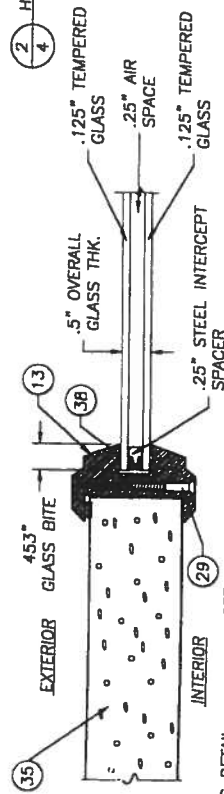


1 HORIZONTAL CROSS SECTION
SINGLE W/SIDELITES



2 HORIZONTAL CROSS SECTION
DOUBLE

- NOTE:
1. SIDELITE IS DIRECT SET INTO JAMB WITH #10 x 2\"/>



3 DETAIL SEE NOTE 3

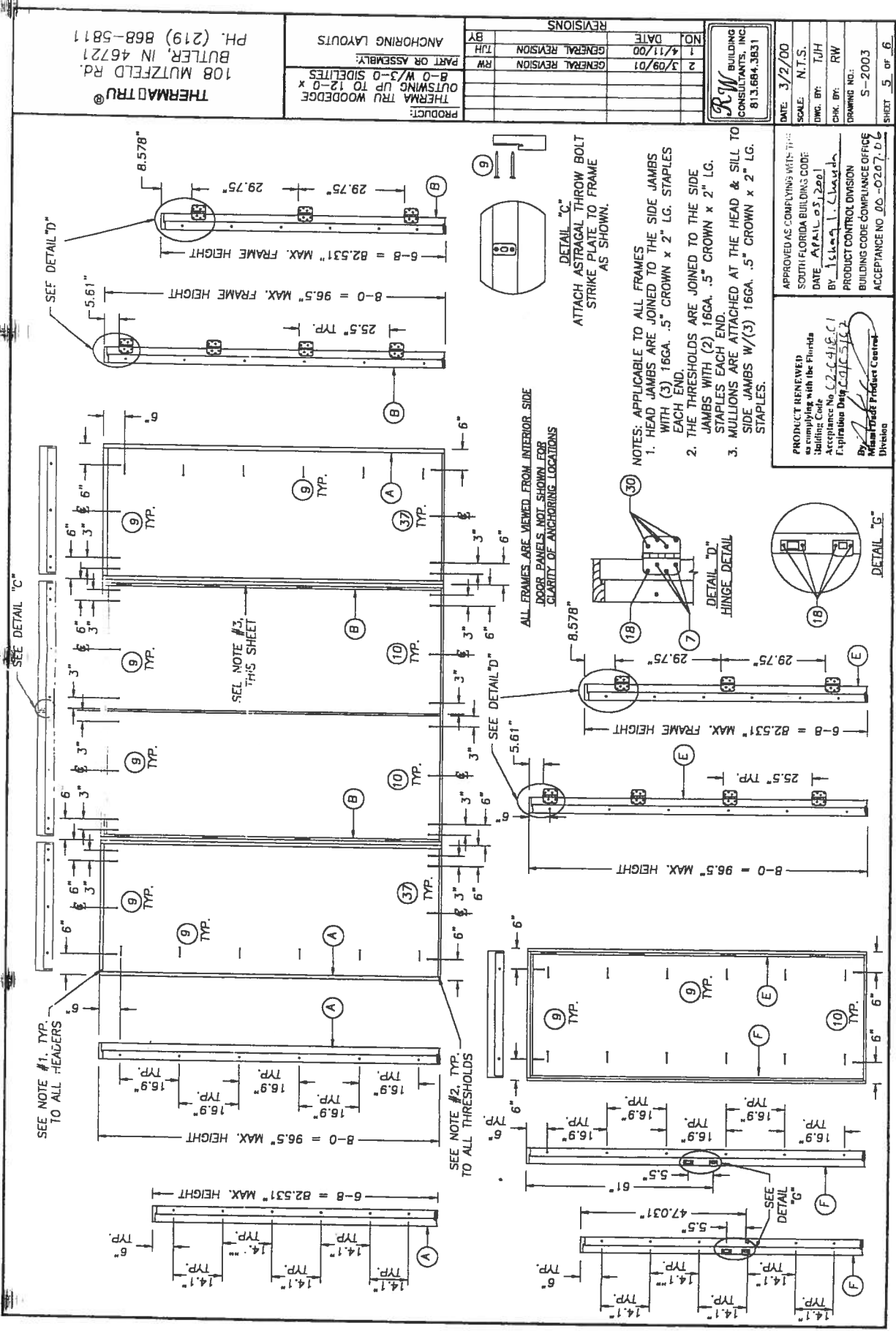
THERMA TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT:	
THERMA TRU WOODEDGE OUTSWING UP TO 12'-0" x 8'-0" W/3'-0" SIDELITES	
PART OR ASSEMBLY:	
HORIZONTAL CROSS SECTIONS & GLAZING DETAIL	
NO.	DATE
2	3/09/01
1	4/11/00
GENERAL REVISION	BY
GENERAL REVISION	TJH

RW
BUILDING
CONSULTANTS,
INC.
C13.634.3831

APPROVED BY THE
SOUTH FLORIDA BUILDING CODE
DATE 4/11/01
BY 1.219.01
EXPIRATION DATE 4/11/05
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207-06

DATE: 3/3/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S 2003
SHEET 4 OF 6



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

REVISIONS	
NO.	DATE
1	4/11/00
2	3/09/01
3	03/09/01
4	03/09/01
5	03/09/01
6	03/09/01
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99	03/09/01
100	03/09/01

REVISIONS	
NO.	DATE
1	4/11/00
2	3/09/01
3	03/09/01
4	03/09/01
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100	03/09/01

DATE: 3/2/00	SCALE: N.T.S.
DWG. BY: TJH	CHK. BY: RW
DATE: 4/11/00	DATE: 4/11/00
BY: 11/11/00	BY: 11/11/00
PRODUCT: THERMA TRU WOODGE OUTSWING UP TO 12'-0" x B-0 W/3-0 SIDELITES	ANCHORING LAYOUTS
PART OR ASSEMBLY:	BY:
PRODUCT:	TJH
ANCHORING LAYOUTS:	RW
BY:	

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE: 4/11/00
 BY: 11/11/00
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 00-0207-06
 SHEET 5 OF 6

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. <u>02-C418 C1</u> Expiration Date <u>04/15/97</u>	APPROVED AS COMPLYING WITH THE DATE <u>APR 10 1997</u> BY <u>15164 1-1-26447</u> PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. <u>00 0207-06</u>
--	---

DETAIL "E"

ATTACH ASTRAGAL THROW BOLT
STRIKE PLATE TO FRAME
AS SHOWN.





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

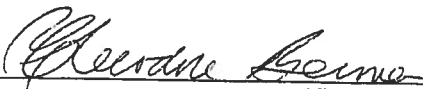


NOA No 03-1224.01
Expiration Date: March 04, 2009
Approval Date: March 04, 2004
Page 1

Mi Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

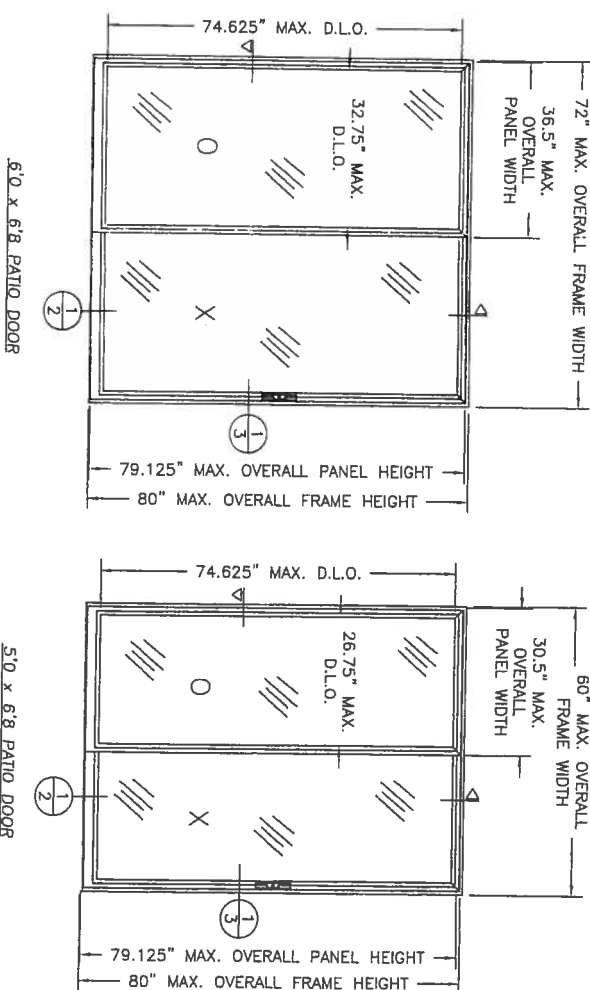
- A. DRAWINGS**
1. Manufacturer's die drawings and sections.
Drawing No. **S-2425**, titled "Non-Impact Aluminum Sliding Patio Door Up to 6'0 x 6'8", sheets 1 through 5 of 5, prepared by R.W. Building Consultants, Inc., dated 12/18/03, signed and sealed by Lyndon F. Schmidt, P.E.
- B. TESTS**
1. Test 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 • GALTZ, PA • 17030-0370
SERIES BETTERBILT D485/D3485
ALUMINUM SLIDING PATIO DOOR

- GENERAL NOTES:**
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HMZ 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. SHUTTER/EXTERNAL PROTECTION DEVICE COMPLYING WITH HMZ REQUIREMENTS; INSTALLATION OF THIS SYSTEM OUTSIDE OF HMZ 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

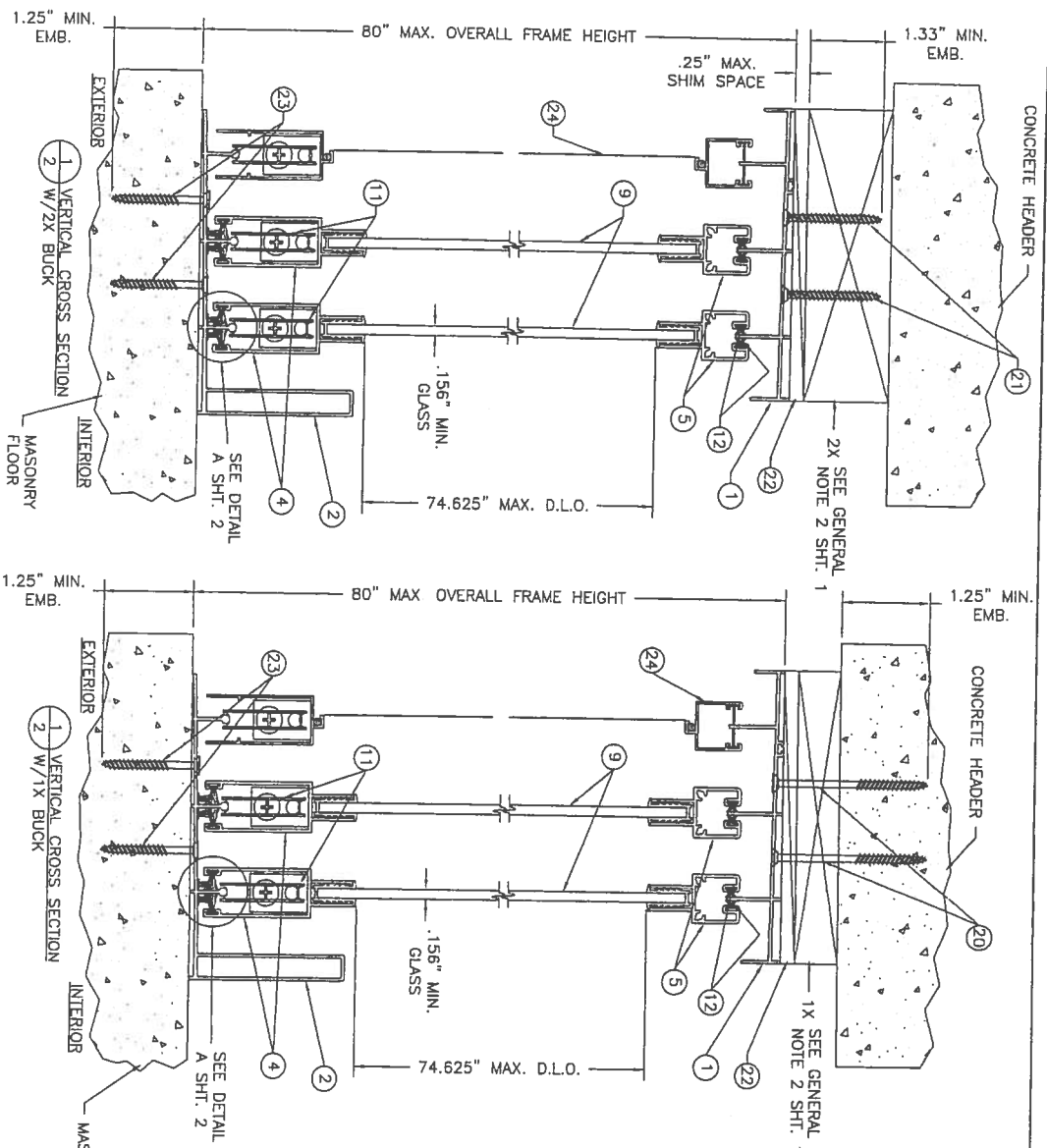


ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

DESIGN PRESSURE RATING
+57.52 PSF -74.0 PSF

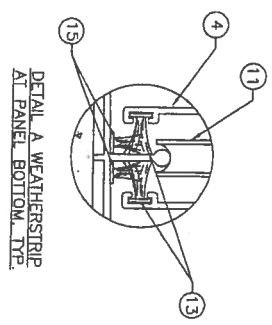
Approved as shown with the following conditions:
 1. All work shall be in accordance with the approved plans.
 2. All materials shall be of the highest quality.
 3. All work shall be completed within the specified time frame.
 4. All work shall be done in accordance with the applicable codes and standards.
 5. All work shall be done in accordance with the manufacturer's instructions.
 6. All work shall be done in accordance with the applicable laws and regulations.
 7. All work shall be done in accordance with the applicable industry standards.
 8. All work shall be done in accordance with the applicable best practices.
 9. All work shall be done in accordance with the applicable safety protocols.
 10. All work shall be done in accordance with the applicable environmental regulations.
 11. All work shall be done in accordance with the applicable social responsibilities.
 12. All work shall be done in accordance with the applicable ethical standards.
 13. All work shall be done in accordance with the applicable corporate values.
 14. All work shall be done in accordance with the applicable mission statement.
 15. All work shall be done in accordance with the applicable vision statement.
 16. All work shall be done in accordance with the applicable core competencies.
 17. All work shall be done in accordance with the applicable strategic goals.
 18. All work shall be done in accordance with the applicable business objectives.
 19. All work shall be done in accordance with the applicable key performance indicators.
 20. All work shall be done in accordance with the applicable balanced scorecard.
 21. All work shall be done in accordance with the applicable stakeholder expectations.
 22. All work shall be done in accordance with the applicable risk management framework.
 23. All work shall be done in accordance with the applicable crisis management plan.
 24. All work shall be done in accordance with the applicable business continuity plan.
 25. All work shall be done in accordance with the applicable disaster recovery plan.
 26. All work shall be done in accordance with the applicable incident response plan.
 27. All work shall be done in accordance with the applicable security policy.
 28. All work shall be done in accordance with the applicable information security policy.
 29. All work shall be done in accordance with the applicable data protection policy.
 30. All work shall be done in accordance with the applicable privacy policy.
 31. All work shall be done in accordance with the applicable acceptable use policy.
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DATE: 12/18/03		PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"		Product Approval Documents Prepared By:	
SCALE: N.T.S.		PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS		BUILDING CONSULTANTS, INC.	
DWG. BY: JCH				P.O. Box 230 Volusia FL 32995	
CHK. BY: RW				Phone No.: 813.659.9197	
DRAWING NO.: S-2425				Florida Board of Professional Engineers	
SHEET 1 OF 5				Certificate Of Authorization No. 9813	
				12/22/03	
				Lyndon F. Schmidt, P.E. NO. 43409	



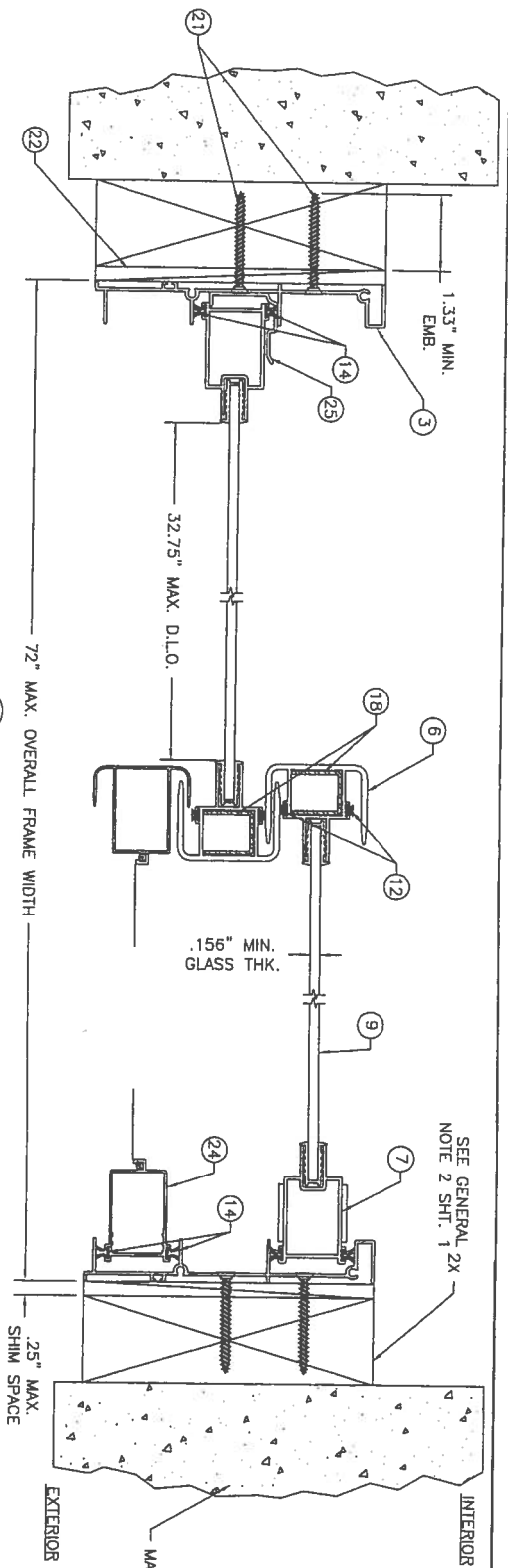
FRAME CONSTRUCTION NOTE:
 THE FRAME CORNERS ARE BUTTED AND SECURED WITH (2) ITEM #19, A #8 x 5/8" FLAT HEAD SCREW, AT EACH CORNER THROUGH THE HEAD AND SILL INTO THE JAMB SCREW BOSS.

PANEL CONSTRUCTION NOTE:
 THE PANEL 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.

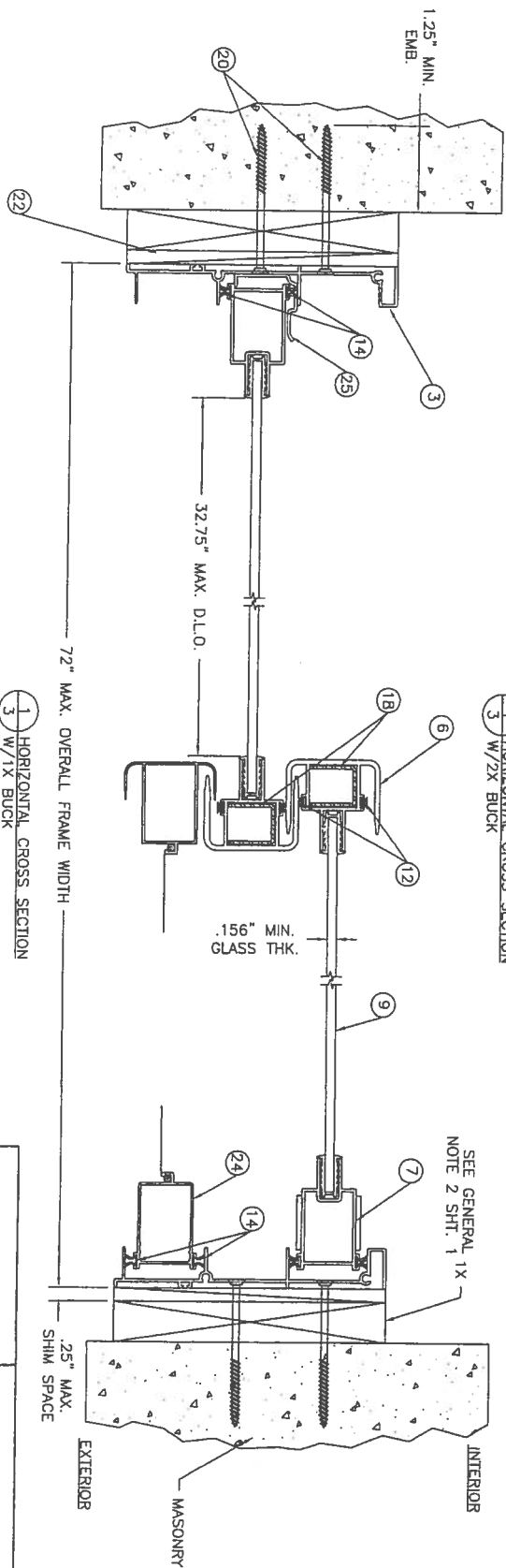


Approved as submitted with the Florida Building Code Date: 02/04/04 NO. 02-1425-01 National Building Conference Division of Building Codes by: [Signature]	
DATE: 12/18/03	SCALE: N.T.S.
CHK. BY: TJH	DATE: 12/18/03
DWG. BY: RW	DATE: 12/18/03
DRAWING NO.: S-2425	DATE: 12/18/03
SHEET 2 OF 5	DATE: 12/18/03

PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"	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												
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & CONSTRUCTION NOTES	REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY									
NO.	DATE	BY											



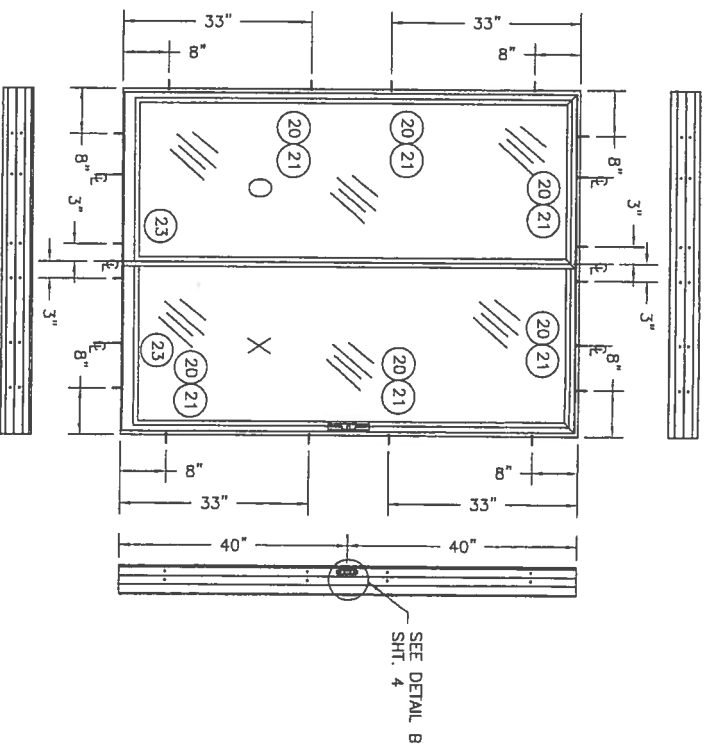
2 HORIZONTAL CROSS SECTION
W/2X BUCK



1 HORIZONTAL CROSS SECTION
W/1X BUCK

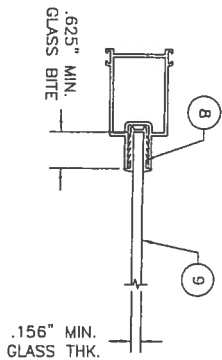
Approved as submitted with the
Florida Building Code
Date: 03/04/03
NO. 05-1224-01
Issued by: Product Council
Division of Building
by: Lynden F. Schmidt, P.E.

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

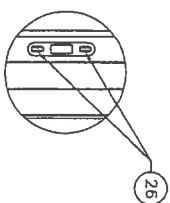


5'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

- 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

10. DOOR
SHT. 4

3"

8"

33"

40"

40"

8"

33"

8"

8"

20 21 23

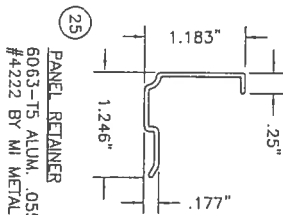
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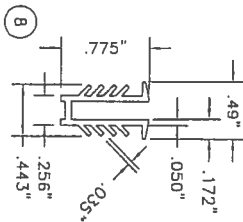
SEE DETAIL B
SHT. 4

3"

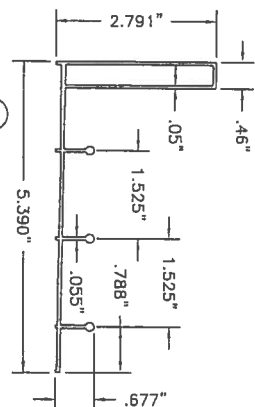
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUM. MAIN FRAME HEAD #4208 BY MI METALS	ALUM.
2	EXTRUDED ALUM. MAIN FRAME SILL #4235 BY MI METALS	ALUM.
3	EXTRUDED ALUM. MAIN FRAME JAMB #4210 BY MI METALS	ALUM.
4	EXTRUDED ALUM. PANEL SILL #4200 MI METALS	ALUM.
5	EXTRUDED ALUM. PANEL HEAD #4202 BY MI METALS	ALUM.
6	EXTRUDED ALUM. PANEL INTERLOCK #4204 BY MI METALS	ALUM.
7	EXTRUDED ALUM. PANEL LOCK JAMB #4206 BY MI METALS	ALUM.
8	GLAZING CHANNEL #80-02-4202 BY MI PLASTICS	V-FLEX
9	GLAZING 5/32" TEMPERED GLASS	GLASS
10	MORISE HANDLE SET #99-04-150 BY THRU HARDWARE	STEEL
11	TANDEM PANEL ROLLER #99-17-195 BY ULTRA	STEEL
12	CENTER FIN SEAL .180 x .250 PANEL HEAD & INTERLOCK BY AMESBURY	SYN. PILE
13	SIDE FIN SEAL .180 x .350 PANEL SILL BY AMESBURY	SYN. PILE
14	CENTER FIN SEAL .187 x .290 PANEL JAMB BY AMESBURY	SYN. PILE
15	NO FIN SEAL .270 x .290 SILL BY AMESBURY	STEEL
16	#6 x 3/4" SQ. DR. SCREW PANEL HEAD TO JAMB	STEEL
17	1/4" -20 x 3/4" SQ. DR. SCREW FOR PANEL ASSEMBLY	STEEL
18	INTERLOCK REINFORCEMENT #99-17-525 BY MAGNOLIA METALS	STEEL
19	#8 x 5/8" FLAT HEAD SCREW FRAME CORNERS	STEEL
20	3/16" x 2 3/4" TAPCON ANCHOR	STEEL
21	#10 x 1 3/4" SHEET METAL SCREW	STEEL
22	1/4" MAX. SHIM MATERIAL	-
23	3/16" x 1 3/4" TAPCON ANCHOR	STEEL
24	ROLLING SCREEN DOOR ASSEMBLY	-
25	EXTRUDED ALUM. PANEL RETAINER #4222 BY MI METALS	ALUM.
26	#8 x 2" PHILLIPS PAN HEAD SHEET METAL SCREW	STEEL



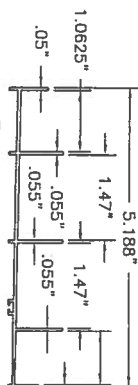
25 PANEL RETAINER
6063-T5 ALUM. .055" MIN.
#4222 BY MI METALS



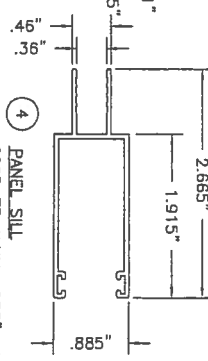
8 GLAZING CHANNEL
V-FLEX
#80-02-4202
BY MI PLASTICS



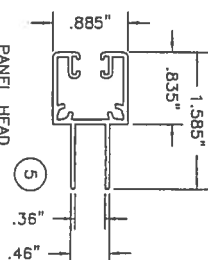
2 MAIN FRAME SILL
6063-T5 ALUM. .050" MIN.
#4235 BY MI METALS



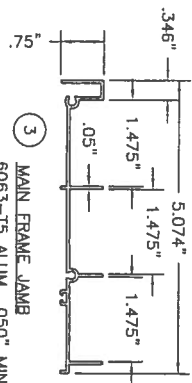
1 MAIN FRAME HEAD
6063-T5 ALUM. .050" MIN.
#4208 BY MI METALS



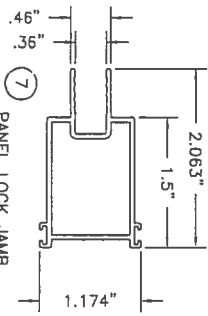
4 PANEL SILL
6063-T5 ALUM. .055" MIN.
#4200 BY MI METALS



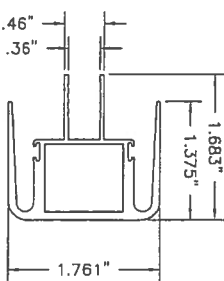
5 PANEL HEAD
6063-T5 ALUM. .055" MIN.
#4202 BY MI METALS



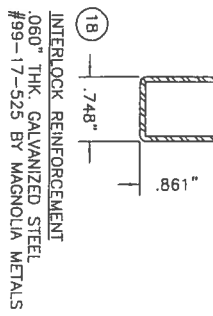
3 MAIN FRAME JAMB
6063-T5 ALUM. .050" MIN.
#4210 BY MI METALS



7 PANEL LOCK JAMB
6063-T5 ALUM. .055" MIN.
#4206 BY MI METALS



6 PANEL INTERLOCK
6005-T5 ALUM. .055" MIN.
#4204 BY MI METALS



18 INTERLOCK REINFORCEMENT
.060" THK. GALVANIZED STEEL
#99-17-525 BY MAGNOLIA METALS

Approved as shown with the
signature of the Designer
DATE 05/04/04
BY 05/12/04
RW

DATE 12/18/03	SCALE N.T.S.
DESIGNED BY TJH	CHECKED BY RW
DRAWING NO. S-2425	SHEET 5 OF 5

NO.	DATE	REVISIONS	BY

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

PART OR ASSEMBLY:
BILL OF MATERIALS &
UNIT COMPONENTS

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Vero Beach, FL 33595
Phone No.: 813.859.5197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
12/22/03
Lyndon F. Schmidt, P.E. NO. 43408

Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Cannon Creek - Lot#25

Code Only
Professional Version
Climate: North

11/13/2007

Building Loads			
Base		As-Built	
Summer:	19217 points	Summer:	16588 points
Winter:	16205 points	Winter:	14389 points
Hot Water:	7273 points	Hot Water:	7273 points
Total:	42694 points	Total:	38249 points

Energy Use			
Base		As-Built	
Cooling:	6245 points	Cooling:	4063 points
Heating:	8977 points	Heating:	5962 points
Hot Water:	7905 points	Hot Water:	7737 points
Total:	23128 points	Total:	17761 points

PASS
e-Ratio: 0.77

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 4241.1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenc	1111 / F1214.10	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			FL 889.-122
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	ELK	Shingles	728.4
2. Underlayments		felt	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 inspect

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.

26489

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: P.O. Box 1785 City Lake City State FL Zip 32906
Company Business License No. JB102476 Company Phone No. 352-756-3211 • 352-494-8751
FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name: Trent Gierberg Const. Company Phone No. 397-0545

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 139 SW Joshua Ct.
Cannon Creek Place
Lot # 25, Unit 2
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 1' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 3/17/08
Brand Name of Product(s) Used Termidor
EPA Registration No. _____
Approximate Final Mix Solution % 1.06%
Approximate Size of Treatment Area: Sq. ft. 7312 Linear ft. 234 Linear ft. of Masonry Voids 218
Approximate Total Gallons of Solution Applied 490 gals.
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) S. Gregory Certification No. (if required by State law) JP168076

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 Shannon Gregory Date 3/17/08

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)

NPCA-99-B may still be used

form HUD-NPCA-99-B (04/200)

CHERRYBURN
OF
CALABAR

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 23-4S-16-03095-125

Building permit No. 000026489

Use Classification SFD, UTILITY

Fire: 19.26

Permit Holder TRENT GIEBEIG

Waste: 50.25

Owner of Building PETE GIEBEIG

Total: 69.51

Location: 139 SW JOSHUA CT., LAKE CITY, FL

Date: 06/30/2008

Wayne A. Law

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

