Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0711-79 Date Received 11/30/07 By CH Permit # 1490/26493

Application Approved by - Zoning Official BLK Date 06.12.07 Plans Examiner OK JTH Date 12-5-07

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

Comments Finished Floor Elevation 1 foot above Road

Applicants Name Trent Giebeig Const Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Owners Name Pete Giebeig Phone 752-7968

911 Address 430 SW Mayfair LN

Contractors Name Trent Giebeig Phone 397-0545

Address 697 SE Holly Terrace Lake City FL 32025

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Freeman

Mortgage Lenders Name & Address

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

Property ID Number 11-45-16-02911-347 Estimated Cost of Construction 90,000

Subdivision Name Mayfair Lot 47 Block ___ Unit III Phase ___

Driving Directions 247 South Right into Mayfair Job on left

Type of Construction frame Number of Existing Dwellings on Property - 0 -

Total Acreage ___ Lot Size 100.17 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Driv

Actual Distance of Structure from Property Lines - Front 54'11" Side 27'8" Side 30'11" Rear 190'4"

Total Building Height 17'6" Number of Stories 1 Heated Floor Area 1608 Roof Pitch 6/12

TOTAL 2,312

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

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

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

Trent Giebeig Const.

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RR28281152

Competency Card Number 0007407

NOTARY STAMP/SEAL

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 ___

Notary Signature

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

26493

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001490

DATE 12/10/2007 PARCEL ID # 11-4S-16-02911-347

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SE HOLLY TERR LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 752-7968

ADDRESS 430 SW MAYFAIR LN LAKE CITY FL 32055

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 247 S, R INTO MAYFAIR S/D, 4TH LOT ON THE LEFT AFTER LUCILLE CT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT MAYFAIR 47 3

SIGNATURE

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght 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

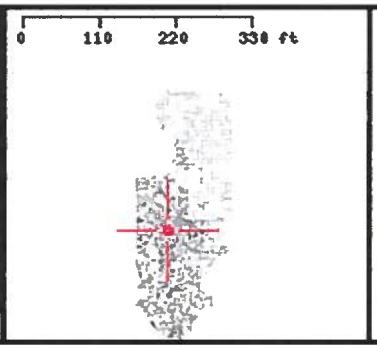
COLUMBIA COUNTY CERTIFIED RECORD

Columbia County Property Appraiser

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

PARCEL: 11-4S-16-02911-347 - VACANT (000000)

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

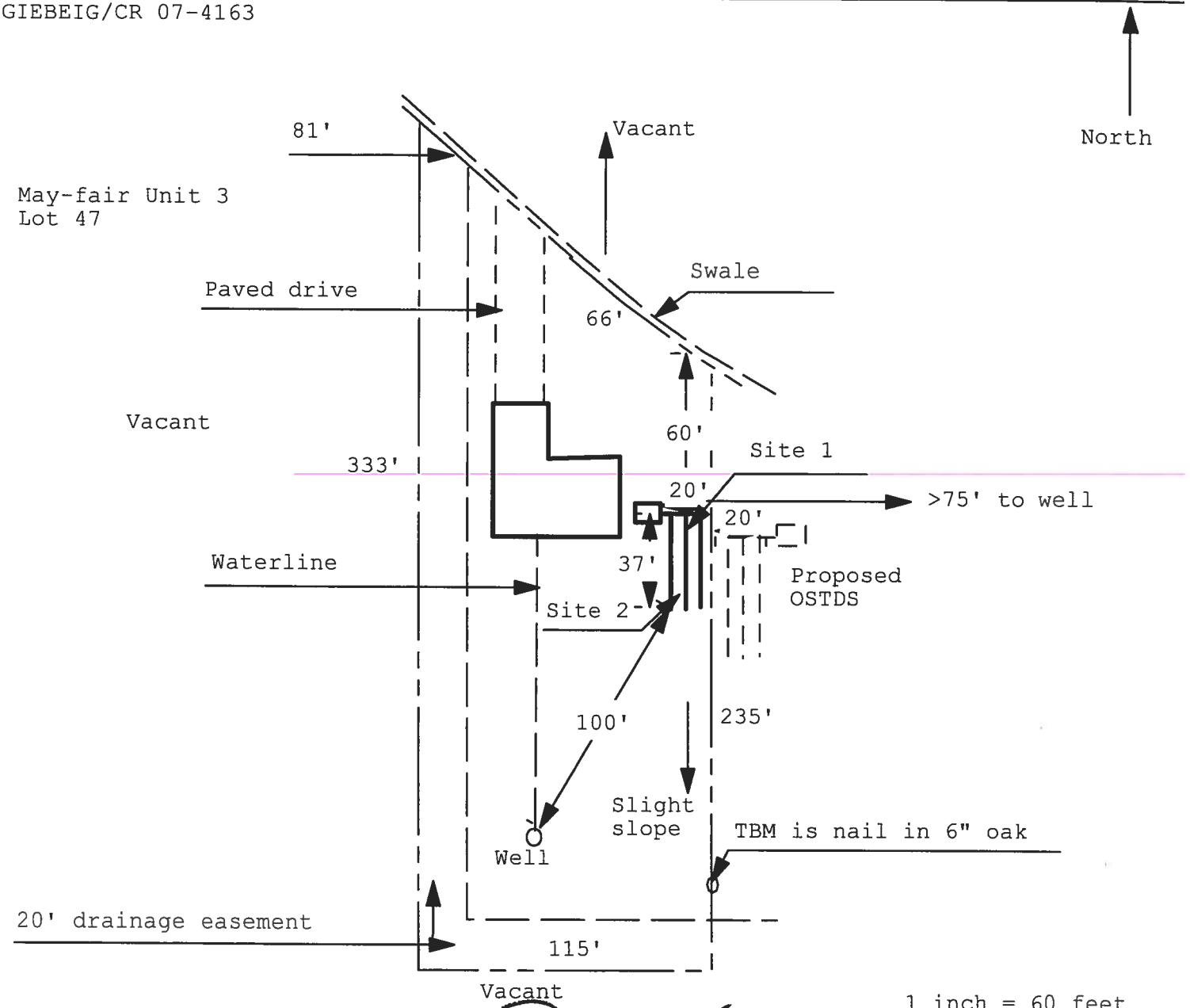


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 07-0892

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 07-4163



Site Plan Submitted By Paul Lloyd **Date** 11/9/07

Plan Approved ✓ **Not Approved** ____ **Date** 11/26/07

By Mona Zander Columbia **CPHU**

Notes: _____

FORM 600A-2004R EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Mayfair-Lot#47**	Builder:	**T. Geibeig**
Address:		Permitting Office:	Columbia Co.
City, State:	,	Permit Number:	26493
Owner:		Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	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		
6. Conditioned floor area (ft²)	1608 ft²	c. N/A	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT)	7a. (Dble Default) 117.0 ft²	a. Electric Heat Pump/Split	Cap: 32.0 kBtu/hr
b. SHGC:			HSPF: 8.50
(or Clear or Tint DEFAULT)	7b. (Clear) 117.0 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 221.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 20.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1418.4 ft²		EF: 0.94
b. N/A		b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	PT, CF,
a. Under Attic	R=30.0, 1608.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
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			

Glass/Floor Area: 0.07 Total as-built points: 17470 Total base points: 23190 **PASS**

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

PREPARED BY: Debbie A Mates

DATE: 11-7-07

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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 Floor Area	X BSPM	= Points		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	20.0	19.20	0.98	374.0	
				2.Double, Clear	N	1.0	6.0	30.0	19.20	0.98	561.0	
				3.Double, Clear	S	1.0	6.0	24.0	35.87	0.94	812.0	
				4.Double, Clear	S	1.0	6.0	30.0	35.87	0.94	1015.0	
				5.Double, Clear	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:				**117.0**			**3291.0**	
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	1418.4	1.50		2127.6	
Exterior	1418.4	1.70	2411.3									
Base Total:	**1418.4**		**2411.3**	**As-Built Total:**				**1418.4**			**2127.6**	
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: 19257.7				**Summer As-Built Points:**						**15810.6**
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	
				(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)						
				15811	1.00	(1.00 x 1.147 x 0.91)	0.260	0.902	3872.3	
19257.7	**0.3250**	**6258.7**		**15810.6**	**1.00**	**1.044**	**0.260**	**0.902**	**3872.3**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1608.0	20.17	5838.0	1.Double, Clear	N	1.0	6.0	20.0	24.58	1.00	491.0	
				2.Double, Clear	N	1.0	6.0	30.0	24.58	1.00	737.0	
				3.Double, Clear	S	1.0	6.0	24.0	13.30	1.02	326.0	
				4.Double, Clear	S	1.0	6.0	30.0	13.30	1.02	408.0	
				5.Double, Clear	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:				**117.0**			**2209.0**	
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	1418.4	3.40		4822.6	
Exterior	1418.4	3.70	5248.1									
Base Total:	**1418.4**		**5248.1**	**As-Built Total:**				**1418.4**			**4822.6**	
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:		**16293.6**	**Winter As-Built Points:**					**14143.9**
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
			(sys 1: Electric Heat Pump 32000 btuh ,EFF(8.5) Ducts:Con(S),Con(R),Int(AH),R6.0					
			14143.9	1.000	(1.000 x 1.169 x 0.93) 0.401		0.950	5860.4
16293.6	**0.5540**	**9026.7**	**14143.9**	**1.00**	**1.087**	**0.401**	**0.950**	**5860.4**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2635.00	7905.0	20.0	0.94	3	1.00	2578.94	1.00	7736.8	
				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
6259	**9027**	**7905**	**23190**	**3872**	**5860**	**7737**	**17470**

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 cir 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* = 89.0

The higher the score, the more efficient the home.

1.	New construction or existing	New			
2.	Single family or multi-family	Single family			
3.	Number of units, if multi-family	1			
4.	Number of Bedrooms	3			
5.	Is this a worst case?	No			
6.	Conditioned floor area (ft²)	1608 ft²			
7.	Glass 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)	117.0 ft²		
b.	SHGC:				
	(or Clear or Tint DEFAULT)	7b. (Clear)	117.0 ft²		
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, 1418.4 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			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 (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)			PT, CF,	

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

Builder Signature: _____ Date: _____

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

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

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

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	Mayfair-Lot#47	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	(blank)	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	3	**Subdivision:**	N/A
Builder Name:	T. Geibeig	**Conditioned Area:**	1608	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	(blank)
Permit Office:	(blank)	**Worst Case:**	No	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	(blank)	**City, St, Zip:**	, ,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	221.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	33.0 ft²	1
2	Insulated	Exterior	39.6 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	1608.0 ft²	1608.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit	SEER: 13.00	32.0 kBtu/hr

Credit Multipliers: Ceil Fn, PT

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	13.0	1418.4 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump/Split	HSPF: 8.50	32.0 kBtu/hr

Credit Multipliers: PT

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	20.0 ft²	1.0 ft	6.0 ft	1
2	Double	Clear	N	15.0 ft²	1.0 ft	6.0 ft	2
3	Double	Clear	S	24.0 ft²	1.0 ft	6.0 ft	1
4	Double	Clear	S	30.0 ft²	1.0 ft	6.0 ft	1
5	Double	Clear	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

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length
1	Cond.	Cond.	Interior	6.0	53.0 ft

Credit Multipliers: None

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF
1	Electric Resistance	0.94	20.0	None	0.00

REFR.

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

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	1608.0	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	

Residential System Sizing Calculation

Summary

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

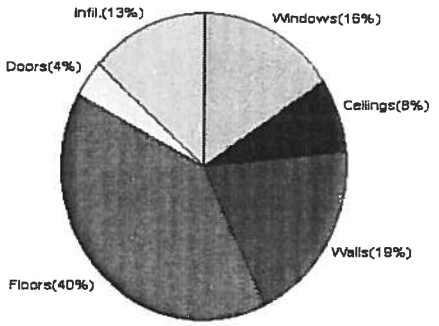
11/7/2007

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	**24035**	**Btuh**	**Total cooling load calculation**	**14385**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	133.1	32000	Sensible (SHR = 0.75)	190.9	24000
Heat Pump + Auxiliary(0.0kW)	133.1	32000	Latent	441.9	8000
			Total (Electric Heat Pump)	222.5	32000

WINTER CALCULATIONS

Winter Heating Load (for 1608 sqft)

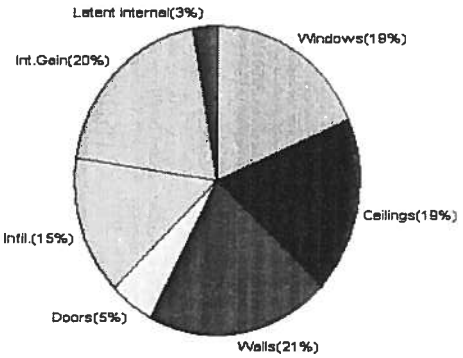
Load component			Load	
Window total	117	sqft	3766	Btuh
Wall total	1418	sqft	4658	Btuh
Door total	73	sqft	940	Btuh
Ceiling total	1608	sqft	1895	Btuh
Floor total	221	sqft	9649	Btuh
Infiltration	77	cfm	3126	Btuh
Duct loss			0	Btuh
Subtotal			**24035**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**24035**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1608 sqft)

Load component			Load	
Window total	117	sqft	2664	Btuh
Wall total	1418	sqft	2959	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			**12575**	**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			**14385**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Debbie A Mobley
DATE: 11-7-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

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

11/7/2007

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
4	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	E	5.0	32.2	161 Btuh
6	2, Clear, Metal, 0.87	E	8.0	32.2	258 Btuh
	Window Total		117(sqft)		3766 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1418	3.3	4658 Btuh
	Wall Total		1418		4658 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:	20908 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.32	14472	1418 77.2	3126 Btuh
Ductload				(DLM of 0.000)	0 Btuh
All Zones			**Sensible Subtotal All Zones**		**24035 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	24035 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24035 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

11/7/2007

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

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Project Title: Mayfair-Lot#47

Code Only
Professional Version
Climate: North

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

11/7/2007

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
2	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
3	2, Clear, Metal, 0.87	S	24.0	32.2	773 Btuh
4	2, Clear, Metal, 0.87	S	30.0	32.2	966 Btuh
5	2, Clear, Metal, 0.87	E	5.0	32.2	161 Btuh
6	2, Clear, Metal, 0.87	E	8.0	32.2	258 Btuh
	Window Total		117(sqft)		3766 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1418	3.3	4658 Btuh
	Wall Total		1418		4658 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:		20908 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft) CFM=	
	Natural	0.32	14472	1418 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**		**24035 Btuh**

WHOLE HOUSE TOTALS

	Subtotal Sensible	24035 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	24035 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

11/7/2007

EQUIPMENT

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

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 11/7/2007

Component Loads for Whole House

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	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.	20.0	0.0	20.0	19	19	374 Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560 Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	24.0	24.0	0.0	19	23	448 Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560 Btuh
5	2, Clear, 0.87, B-D, N,F	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				117 (sqft)					2664 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1418.4	2.1	2959 Btuh
	Wall Total		1418 (sqft)		2959 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:		8997 Btuh
Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)		CFM=	Load
	SensibleNatural	0.16	14472	1418		77.2	718 Btuh
Internal gain		Occupants		Btuh/occupant		Appliance	Load
		2	X	230	+	2400	2860 Btuh
					Sensible Envelope Load:		12575 Btuh
Duct load					(DGM of 0.000)		0 Btuh
					Sensible Load All Zones		**12575 Btuh**

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 11/7/2007

Component Loads for Zone #1: Main

	Type*		Overhang		Window Area(sqft)			HTM		Load
Window	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.	20.0	0.0	20.0	19	19	374 Btuh
2	2, Clear, 0.87, B-D, N,F	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560 Btuh
3	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	24.0	24.0	0.0	19	23	448 Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	30.0	30.0	0.0	19	23	560 Btuh
5	2, Clear, 0.87, B-D, N,F	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				117 (sqft)					2664 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1418.4	2.1	2959 Btuh
	Wall Total		1418 (sqft)		2959 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:		8997 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)		CFM=	Load
	SensibleNatural	0.16	14472	1418		38.6	718 Btuh
Internal gain		Occupants	Btuh/occupant			Appliance	Load
		2	X 230	+		2400	2860 Btuh
					Sensible Envelope Load:		12575 Btuh
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)				(DGM of 0.000)		0 Btuh
					Sensible Zone Load		**12575 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Mayfair-Lot#47

Code Only
Professional Version
Climate: North

11/7/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**12575 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**12575 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**12575 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	**14385 Btuh**

EQUIPMENT

1. Central Unit	#	32000 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Project Title:
Mayfair-Lot#47

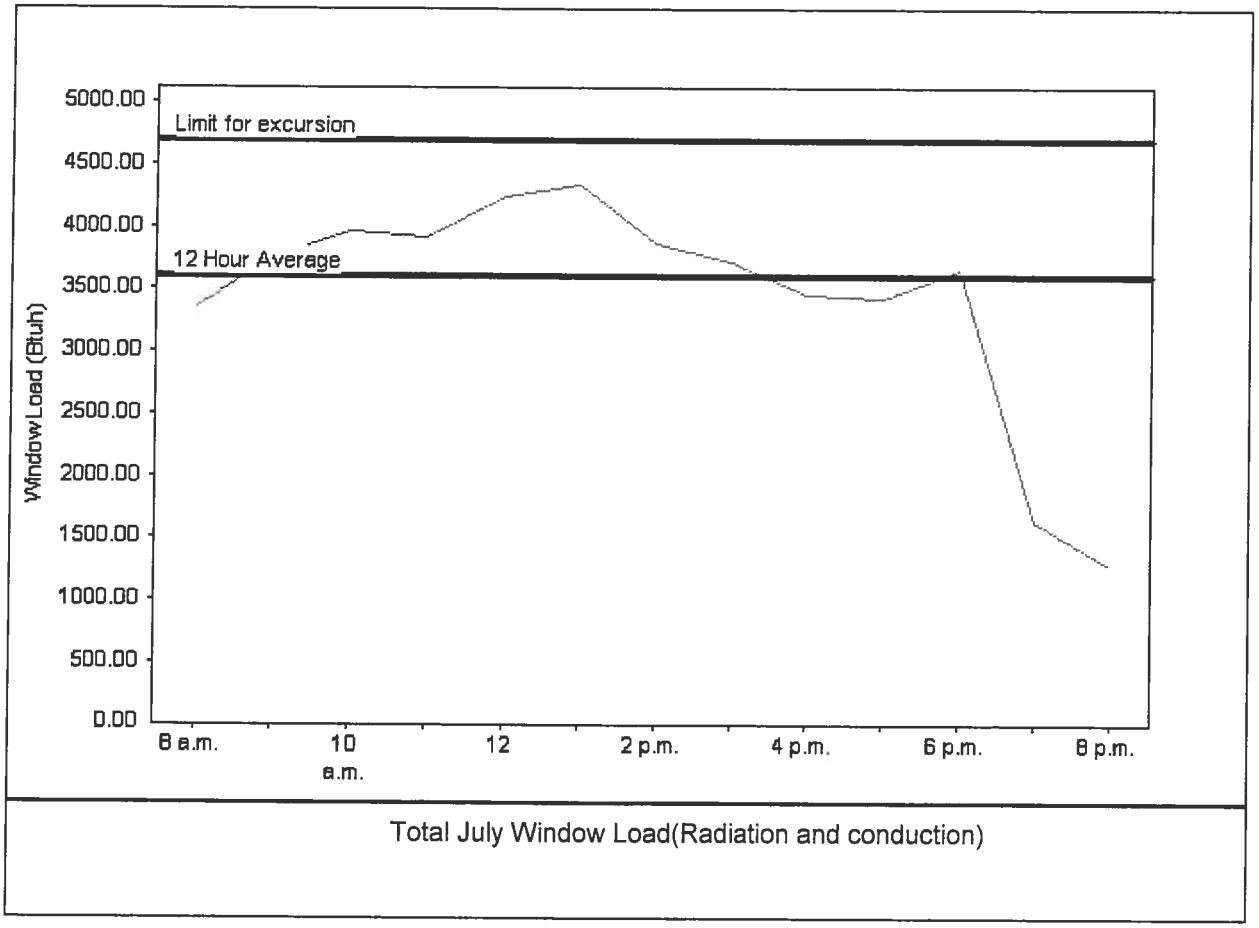
Code Only
Professional Version
Climate: North

11/7/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	3611 Btuh
Summer setpoint	75 F	Peak window load for July	4334 Btuh
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	4694 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

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: Deborah A Mobes
DATE: 11-7-07

MIAMI-DADE

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

PRODUCT CONTROL ACCEPTED

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

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

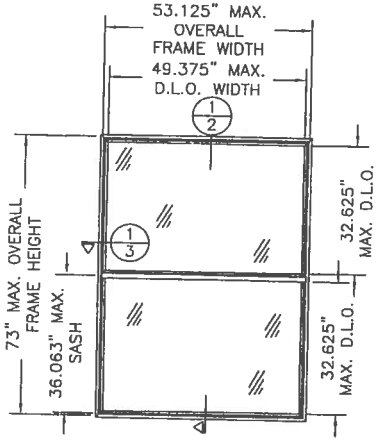
MI HOME PRODUCTS

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

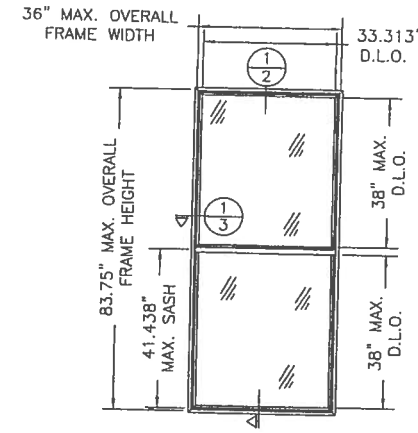
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

GENERAL NOTES:

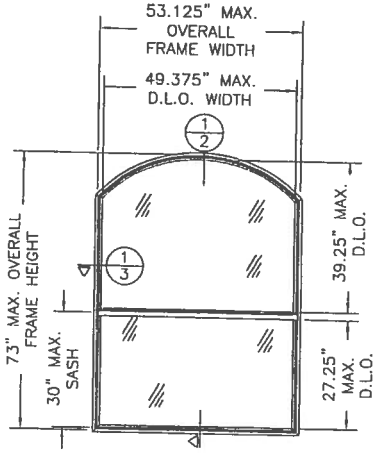
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL 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.



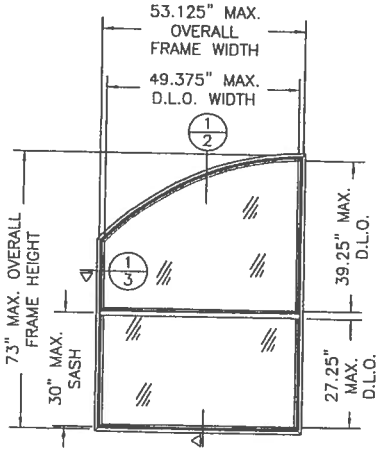
53" x 73" SINGLE HUNG WINDOW



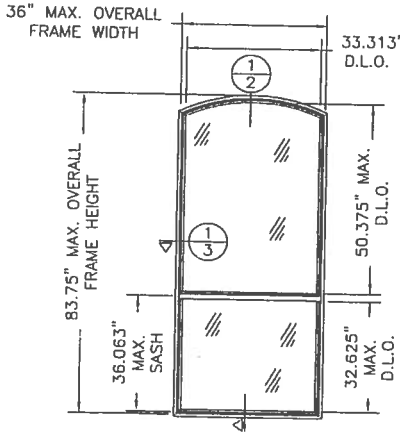
37" x 84" SINGLE HUNG WINDOW



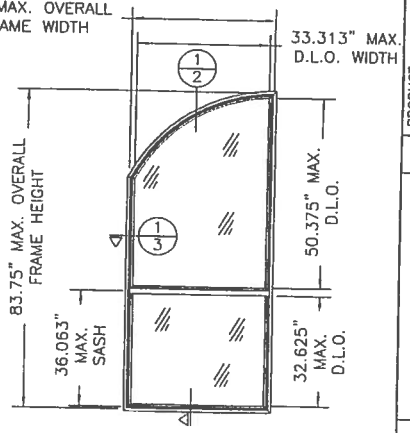
53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



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

TABLE OF CONTENTS	
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

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

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

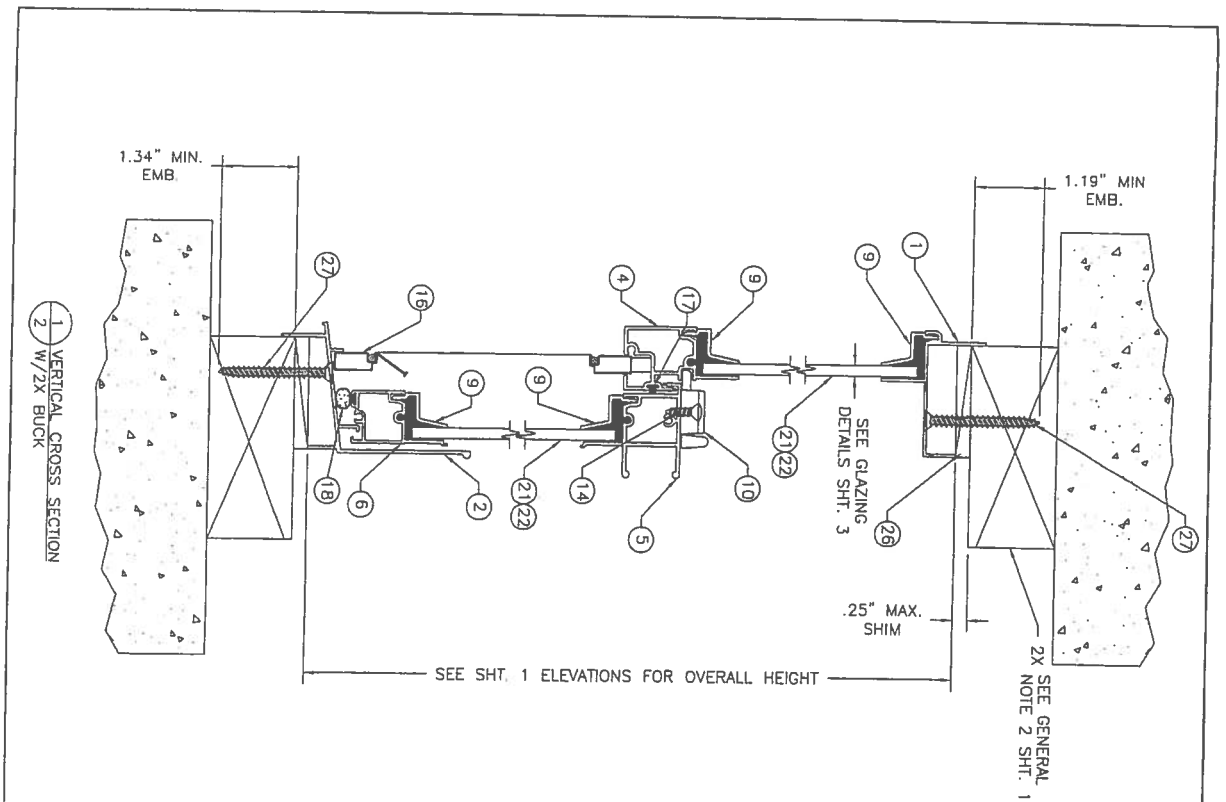
Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1215.02
Miami-Dade Product Control
Division
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813 659 0197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hicks, P.E. No. 51158

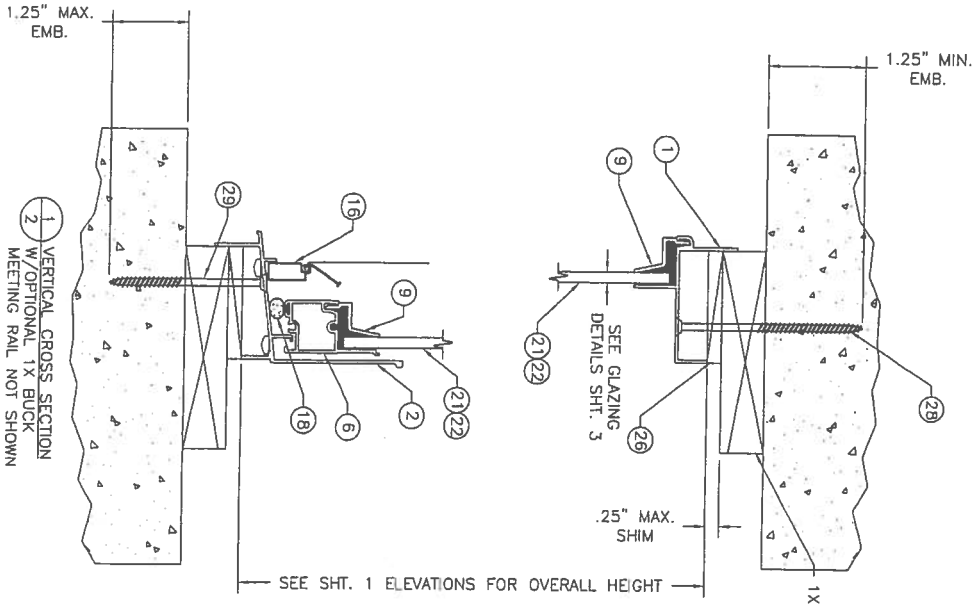
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL
PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS

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

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



1/2 VERTICAL CROSS SECTION W/2X BUCK



1/2 VERTICAL CROSS SECTION W/OPTIONAL 1X BUCK MEETING RAIL NOT SHOWN

Approved as complying with the Florida Building Code
Date: 03/04/04
NOA: 03-1215.02
Miami-Dade Product Control
Division
By:

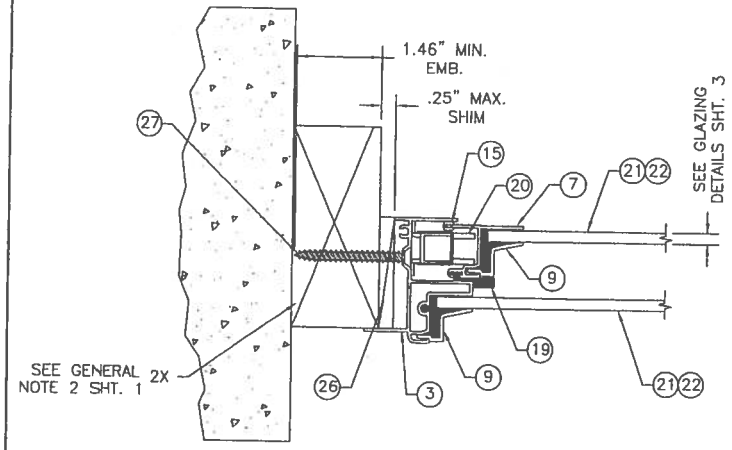
SHEET	DRAWING NO.	CHK. BY	DWG. BY	SCALE	DATE
2 OF 5	S-2422	RW	TJH	N.T.S.	10/27/03

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

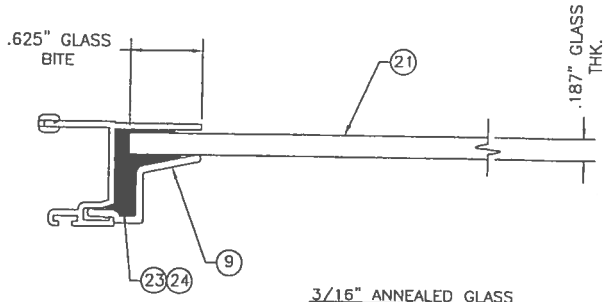
PRODUCT:
NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIAL

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

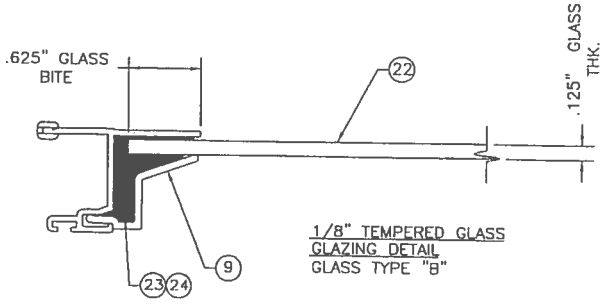
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
2/10/04
Wendell Hoss, P.E. No. 54158



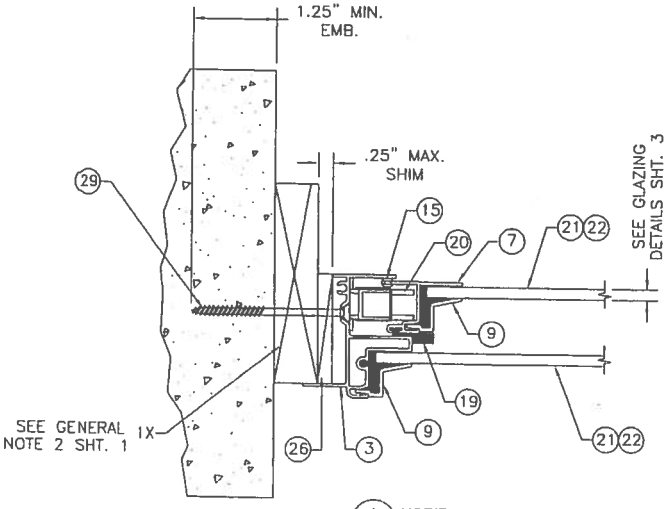
1/3 HORIZONTAL CROSS SECTION
W/2X BUCK



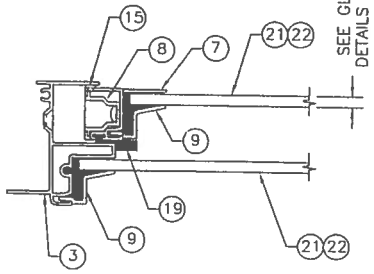
3/16" ANNEALED GLASS
GLAZING DETAIL
GLASS TYPE "A"



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



1/3 HORIZONTAL CROSS SECTION
W/1X BUCK



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

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

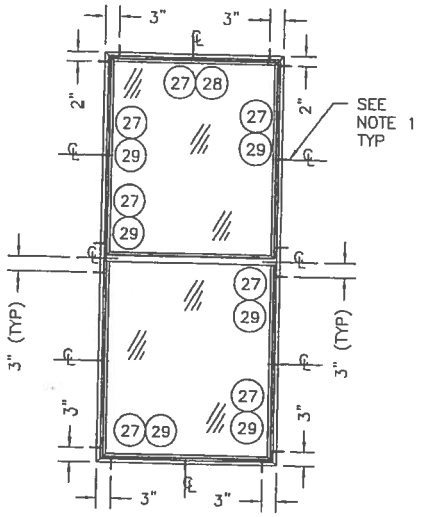
Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1215.02
Miami-Dade Product Control Division
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Venice FL 33595
Phone No.: 813 493 9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Heins, P.E. No. 54158

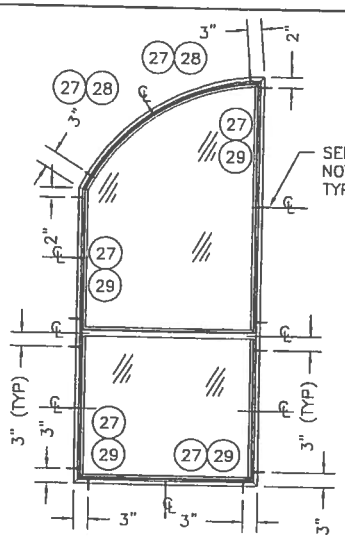
PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIAL
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAILS

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

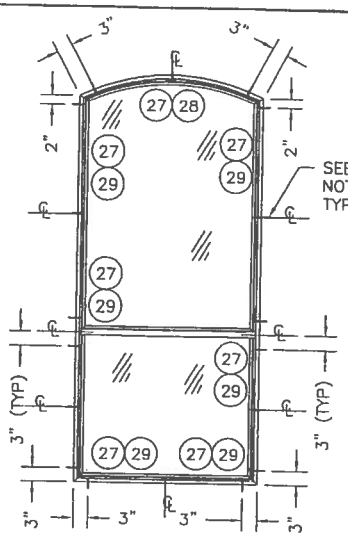
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2422
SHEET 3 OF 5



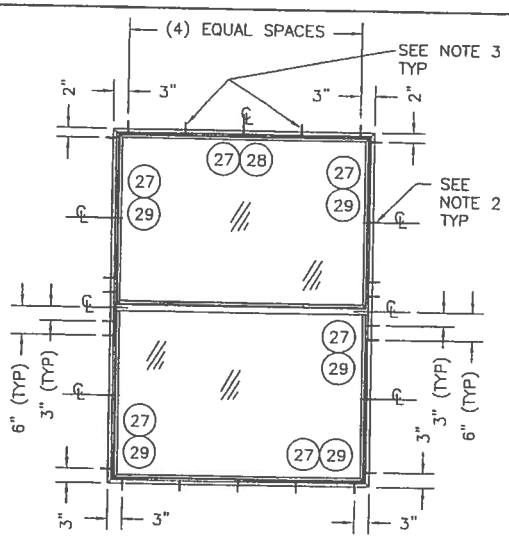
37" x 84" SINGLE HUNG WINDOW



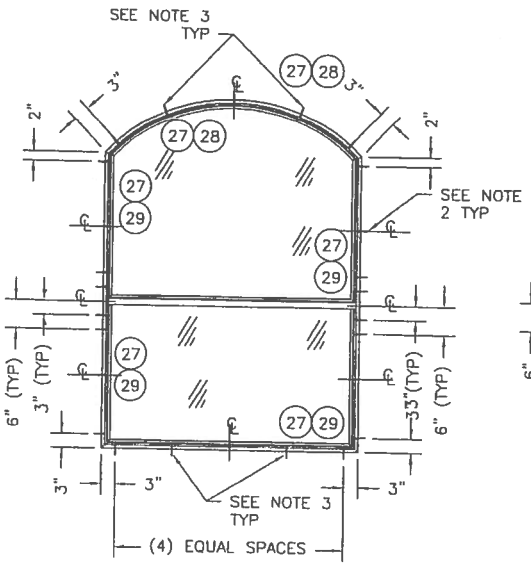
37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



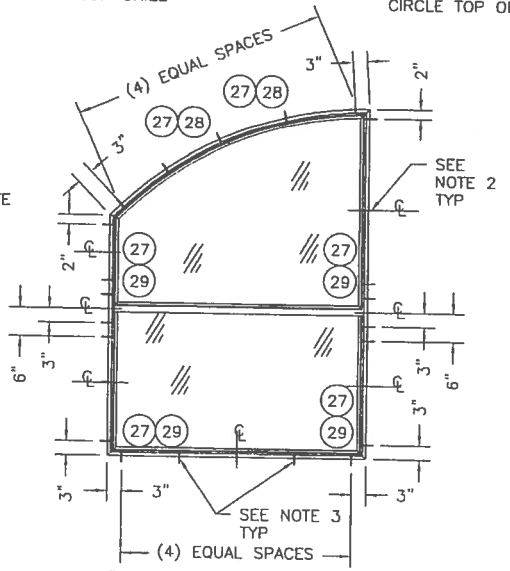
37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW



53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



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

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.

Approved as complying with the Florida Building Code
Date 09/04/04
NOA# 02-1212.02
Miami-Dade Product Control Division
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL. 33595
Phone No: (813) 653-9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hawley, P.E. No. 54158

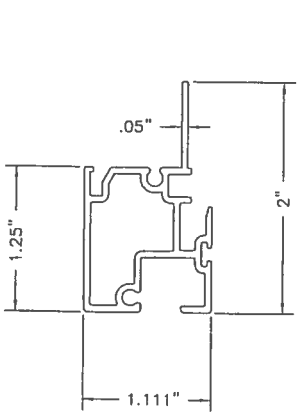
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL
PART OR ASSEMBLY: ANCHORING LOCATIONS

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

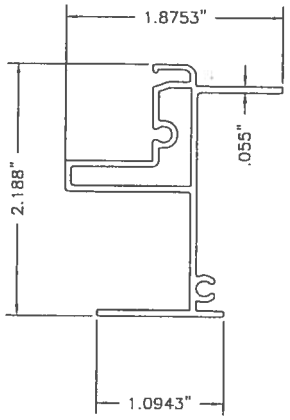
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO: S-2422
SHEET 4 or 5

BILL OF MATERIALS

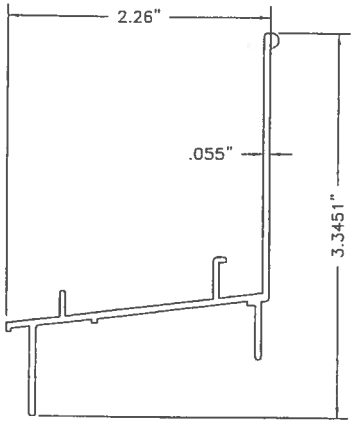
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD #CM-18501 BY MI METALS	ALUM.
2	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL #CM-18502 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB #CM-18503 BY MI METALS	ALUM.
4	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL #CM-18504 BY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



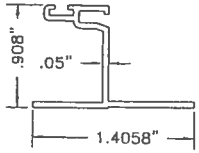
④ FIXED MEETING RAIL



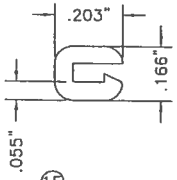
③ JAMB-FLANGE



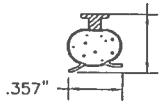
② SILL FIN



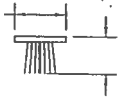
⑦ SASH STILE



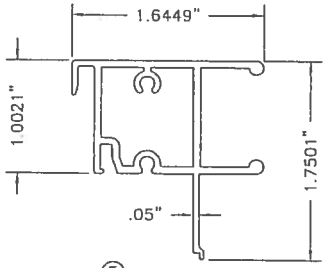
⑮ SASH GUIDE



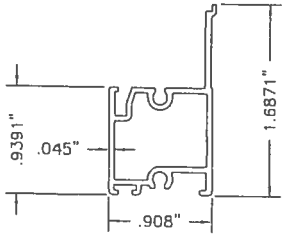
⑱ BULB SEAL



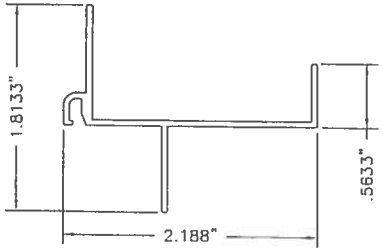
⑰ FIN WEATHERSTRIPPING



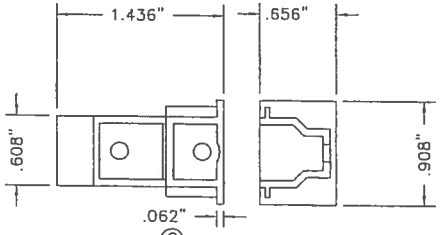
⑤ LOCK RAIL



⑥ SASH BOTTOM RAIL



① HEAD FLANGE



⑧ SASH CAM

Approved as complying with the Florida Building Code
Date: 03/04/04
NOA# 03-1210.02
Miami-Dade Product Control
Division
By: Eleodoro Lorenzo

Product Approval Documents Prepared By:
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
2/10/04
Wendell Haney, P.E. No. 35758

PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIAL

PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

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

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

MIAMI-DADE

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

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

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

3. EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Name/Report	Date
PRI Asphalt Technologies, Inc.	TAS 100	TAP-066-02-01	01/09/03
		TAP-073-02-01	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:

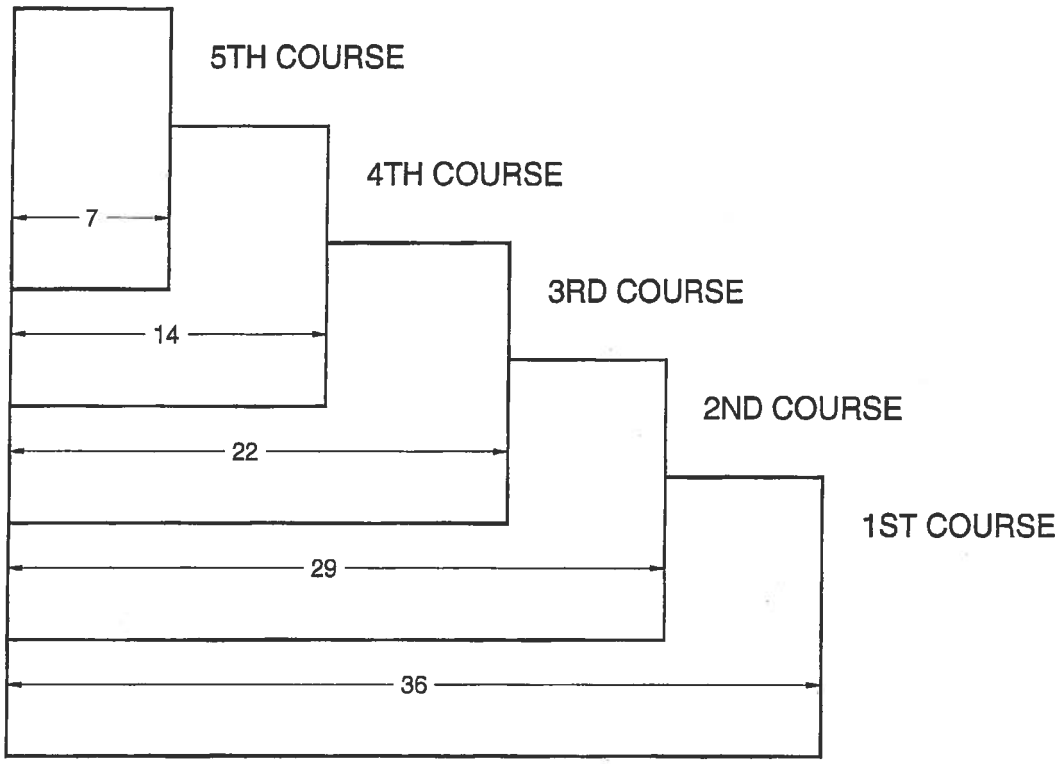
7.1.1 This Notice of Acceptance.

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.

DETAIL A

HERITAGE DECLARATION & XL

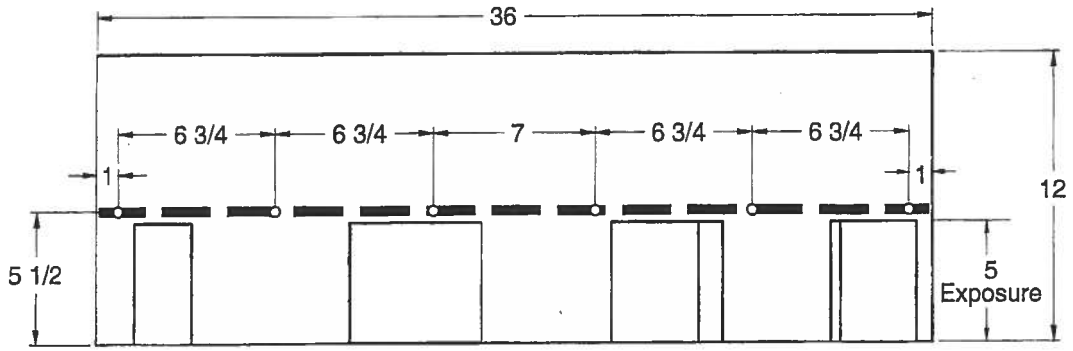
All dimensions are in inches.



DETAIL B

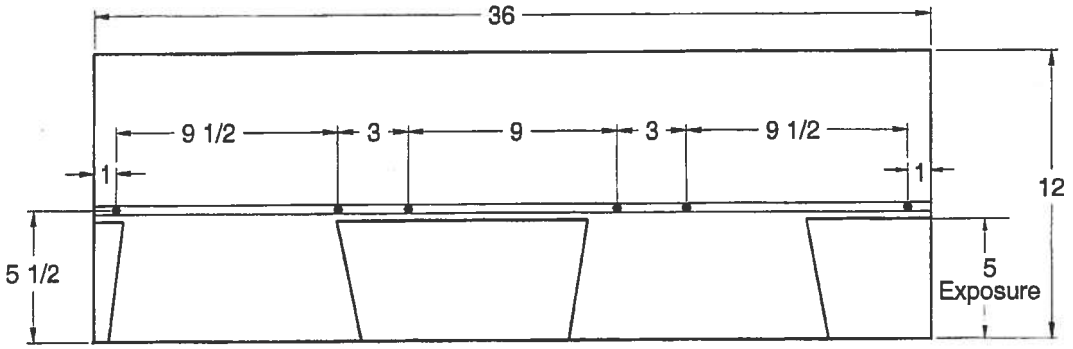
HERITAGE DECLARATION

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



HERITAGE XL

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



END OF THIS ACCEPTANCE

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 produc supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s
A. EXTERIOR DOORS			FL 4242.1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenco	1111 / FI214.10	
1. Single hung			FL 6029.7
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-122
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	GAF IKO		728.4
2. Underlayments	[illegible]		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 inspecti

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

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

MIAMI-DADE

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.**

03/23/06

PRODUCT CONTROL ACCEPTED

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.*

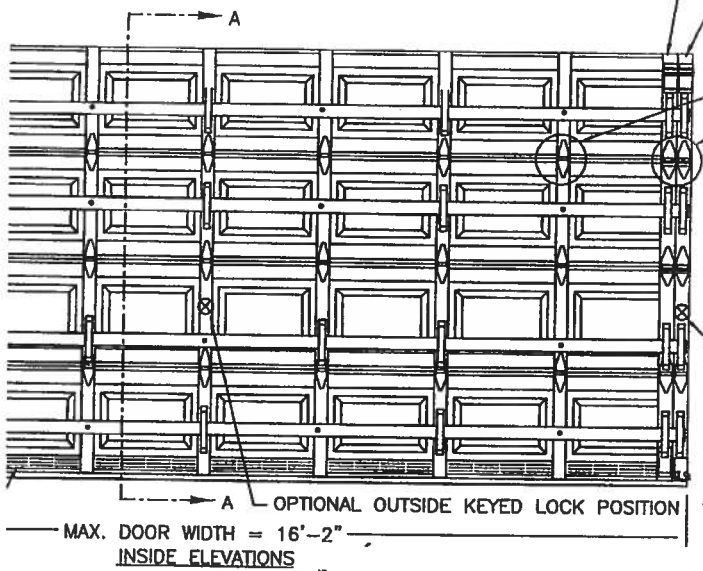
F. QUALITY ASSURANCE.

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 TOG-L-LOC SYSTEM (TOP & BOT)
VE ADHESIVE (ALONG CENTER)



MAX. DOOR WIDTH = 16'-2"
INSIDE ELEVATIONS

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

VIEW "C"

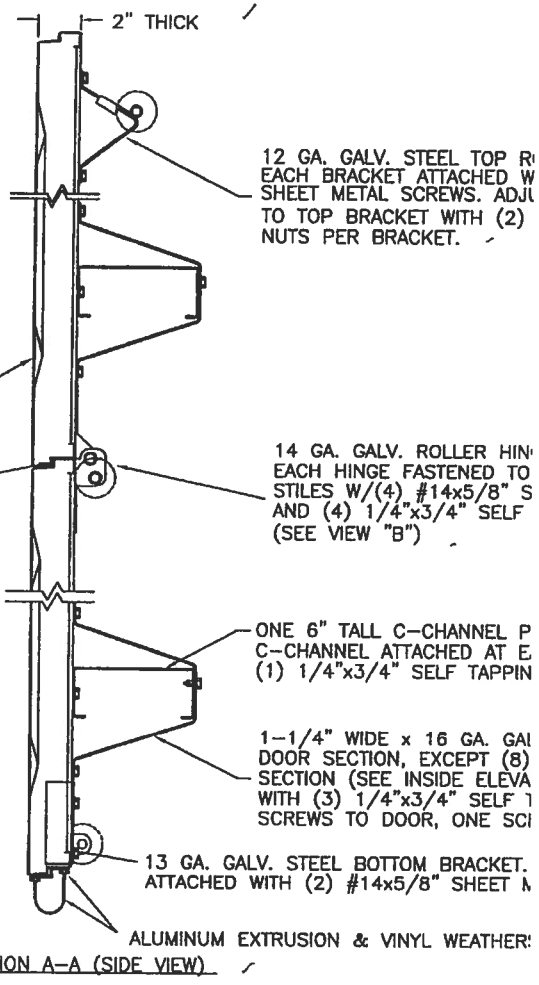
VIEW "B"

LOCK POSITION (BOTH SIDES) TWO POINT LOCKING HAS BEEN TESTED PER REQUIREMENTS OF SECTION 12.1 OF TAS 202. LOCKS HAVE 5/8" MIN. ENGAGEMENT. DOOR TESTED FOR FORCED ENTRY WITH BOTH OUTSIDE KEYED LOCK AND INSIDE SLIDE BOLT LOCK OPTIONS (SEE LAYOUT OF EACH LOCK ON NEXT PAGE).

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

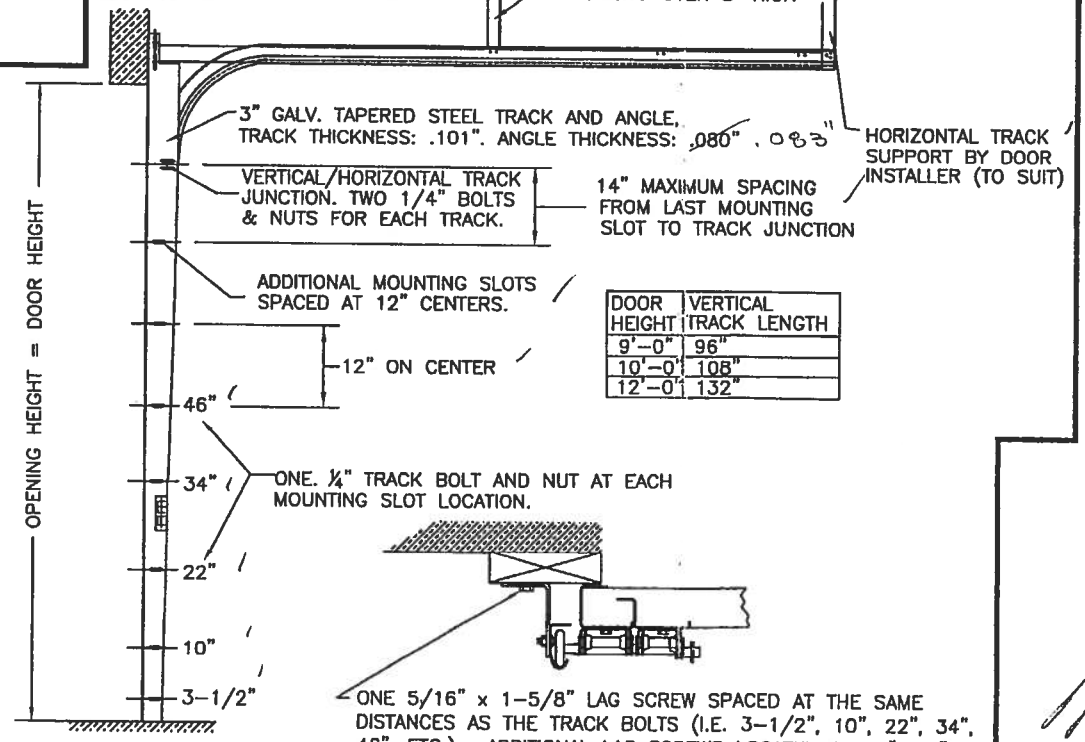
⚠ ⚠ 24 GA. DDS STEEL (MIN. YIELD STRENGTH: 38 KSI) EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN. (ASTM No. A653).

SHIP LAP JOINTS.



SECTION A-A (SIDE VIEW)

TRACK CONFIGURATION
EXTENDED HEIGHT MODELS H93, H94
DOORS UP TO 12'0" HIGH



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

HIGH

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

33, 84A, 93, 94
IGH
ONTAL TRACK SUPPORT BY
DOOR INSTALLER (TO SUIT)
ANCE SYSTEM

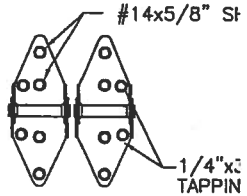
EL CONTINUOUS
" ANGLE.

DORS ONLY)

GURATION

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

RACK, .083"



14 GA. END HINGES
VIEW "B"

1/6/04

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

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

TE

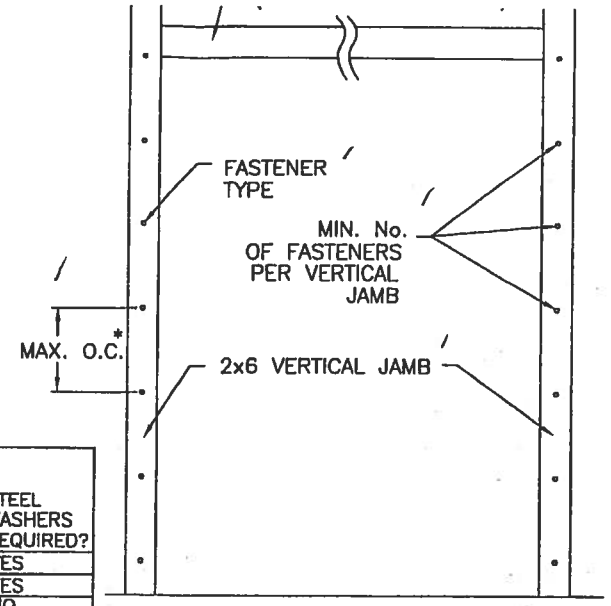
) TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN.
WITH CONCRETE AND REINFORCED WITH #5 BAR EXTENDING
MS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS
NCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE
OF RECORD AND IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

SUPPORTING STRUCTURE ATTACHMENT

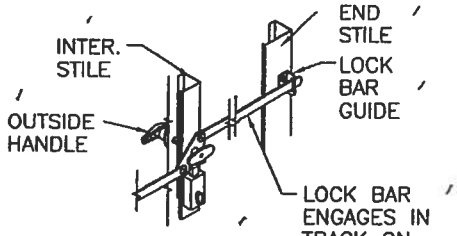
MENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

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

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



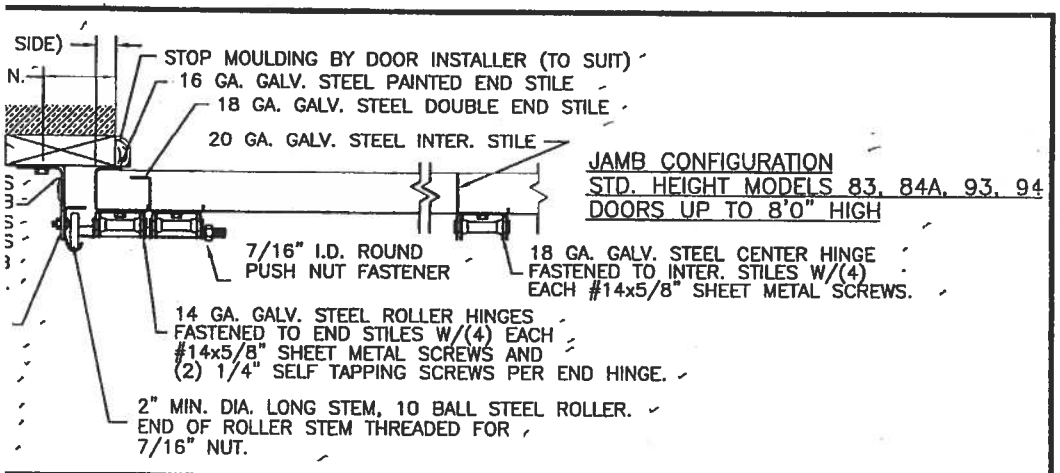
5	8/25/03	ADDED EXTENDE
6	1/6/04	JAMB ATTACHME



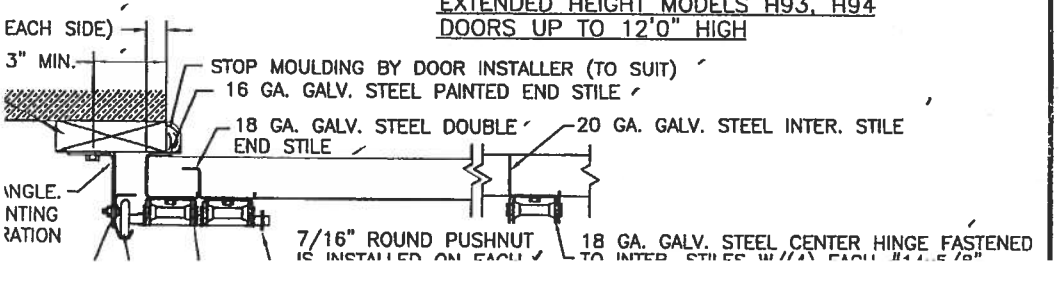
OUTSIDE KEYED LOCK
LOCK BAR LOCKING

INTER.

OUTSIDE KEYE
HANDL



JAMB CONFIGURATION
STD. HEIGHT MODELS 83, 84A, 93, 94
DOORS UP TO 8'0" HIGH



JAMB CONFIGURATION
EXTENDED HEIGHT MODELS H93, H94
DOORS UP TO 12'0" HIGH

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 LO PREPARATION OF JAMBS BY OTHERS.

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

Mark W. Westerfield 1/6/04

PRODUCT APPROVED
as complying with the Florida
Building Code
Acceptance No. 05-1212.4
Expiration Date 03/26/0
By
Miami-Dade Product Control
Division

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

DESIGN LOADS: +46.6 P.S.F. & −52.0 P.S.F. (MODELS 83,

MIAMI-DADE

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.**

PRODUCT CONTROL ACCEPTED

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.

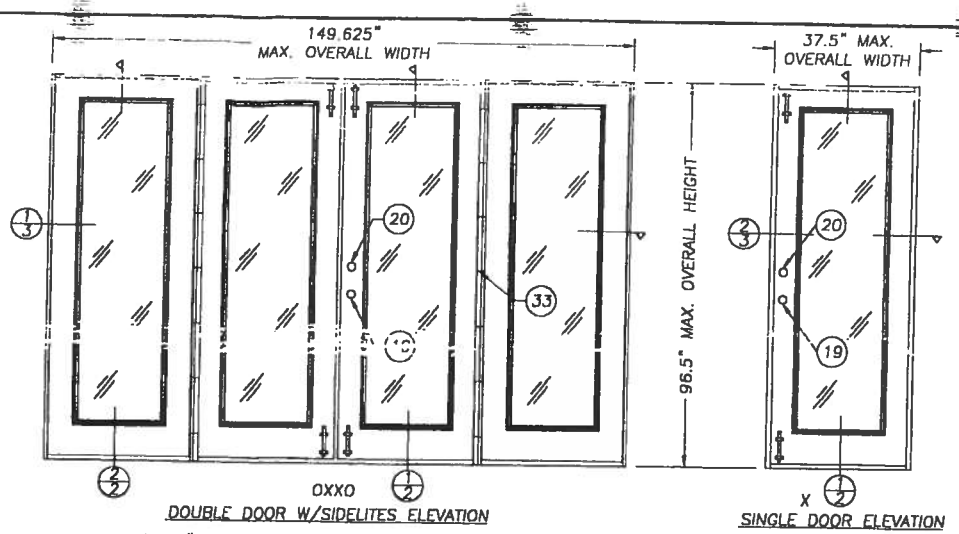
RESIDENTIAL INSULATED STEEL DOOR
(Common to all frame conditions)

Door Leaf Construction:
Face sheets: 25 GA.(0.018")minimum thickness, Galvanized steel A–525 commercial quality – AKDQ per ASTM 620 with yield strength Fy(min.)=47,000 psi
Core design: Polyurethane foam core, with1.9 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 styles at corners. Panels are sandwich glazed using a two piece PVC lite frame with mitered & welded corners.

TABLE OF CONTENTS

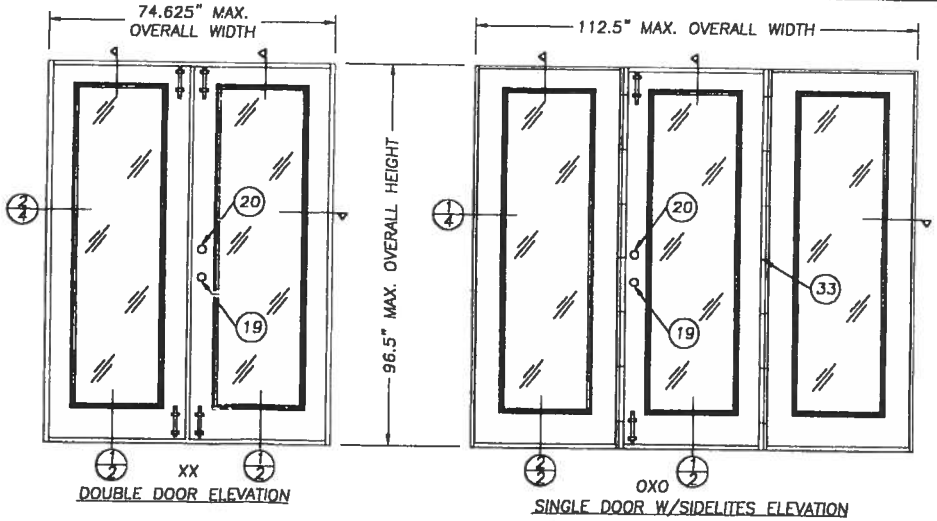
SHEET #	DESCRIPTION
1	COMMON (GENERAL NOTES, TYPICAL ELEVATION)
2	VERTICAL CROSS SECTIONS & BILL OF MATERIALS
3	HORIZONTAL CROSS SECTIONS & DOOR MODELS
4	HORIZONTAL CROSS SECTIONS & GLAZING DETAILS
5	ANCHORING LOCATIONS
6	ANCHORING LOCATIONS

DESIGN PRESSURE RATING	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED
POSITIVE	+ 48.0 PSF
NEGATIVE	– 51.0 PSF



DOUBLE DOOR W/SIDELITES ELEVATION

SINGLE DOOR ELEVATION



DOUBLE DOOR ELEVATION

SINGLE DOOR W/SIDELITES ELEVATION

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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 02-0318.01
Expiration Date 04/05/07
By
Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE APRIL 05, 2001
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 00-0267.06

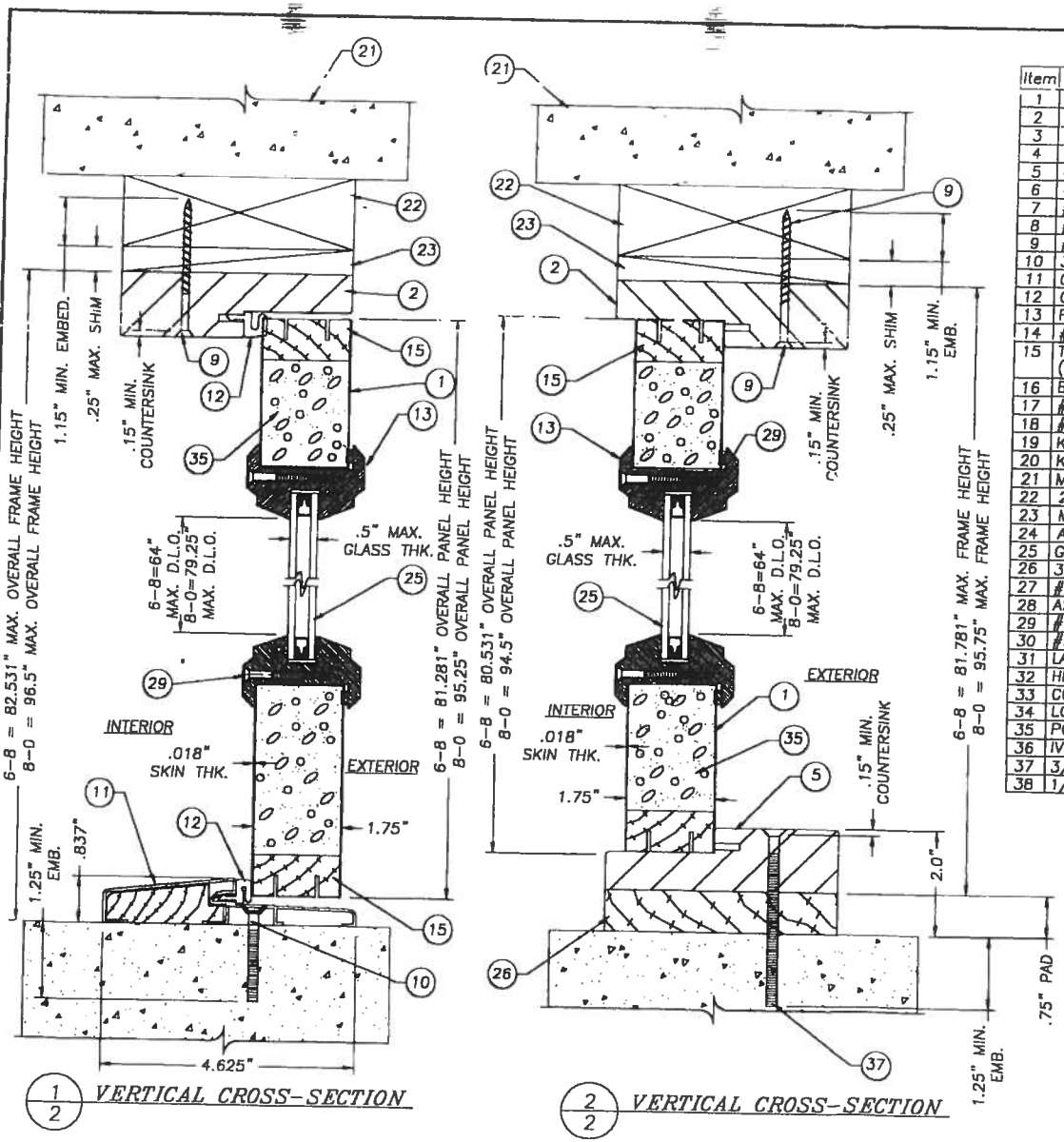
THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT: THREMA TRU WOODEDGE OUTSWING UP TO 12–0 x 8–0 W/3–0 SIDELITES
PART OR ASSEMBLY: ELEVATIONS AND GEREERAL NOTES

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

RW 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 1 OF 6



1/2 VERTICAL CROSS-SECTION

2/2 VERTICAL CROSS-SECTION

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	#9 x 3/4" lg. (Hinge to Frame)	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)	
13	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	PVC
14	#10 x 1 1/4" LG. TYPE "A" FLATHEAD	STEEL
15	TOP & BOTTOM RAIL (1.75" x 1.625") (THERMA-TRU, PONDEROSA PINE)	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	
20	KWIKSET 660 DEADBOLT	
21	MASONRY WALL	
22	2x WOOD BUCK	WOOD
23	MAX. 1/4" SHIM MATERIAL	WOOD
24	ASTRAGAL (.052" WALL THK.)	WOOD/ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#12 x 1/2"LG. PANHEAD SHEET METAL SCREW	STEEL
28	ASTRAGAL WEATHERSRIP	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, 1.9lbs. 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.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 02-0418.01
Expiration Date MAY 2007
By Miami-Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE APRIL 05, 2001
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207.06

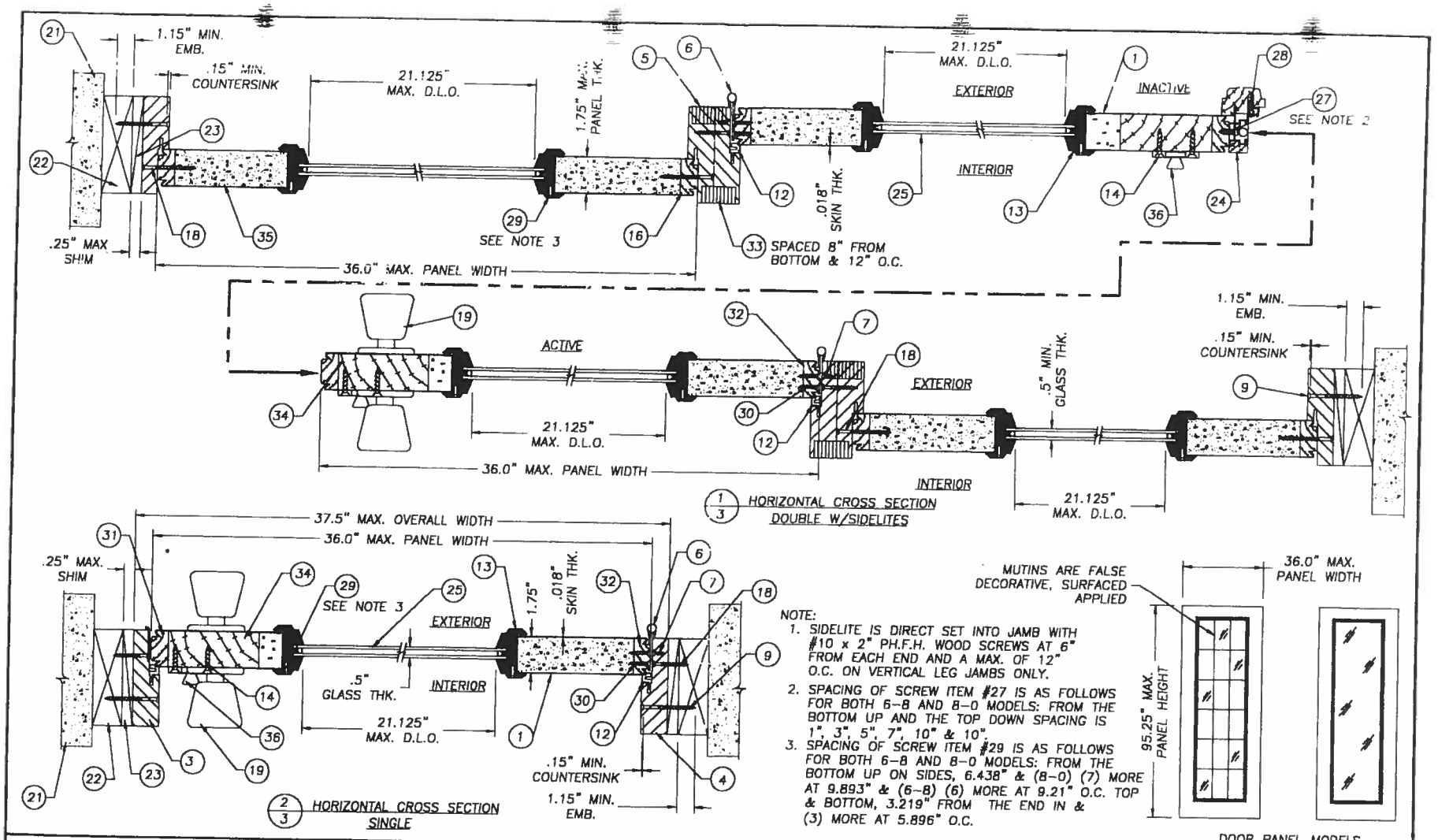
THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

PRODUCT: THERMA TRU WOODEDGE OUTSWING UP TO 12-0 x 8-0 W/3-0 SIDELITES
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & BILL OF MATERIALS

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

RW 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 OF 6



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 #29 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP ON SIDES, 6.438" & (8-0) (7) MORE AT 9.893" & (6-8) (6) MORE AT 9.21" O.C. TOP & BOTTOM, 3.219" FROM THE END IN & (3) MORE AT 5.896" O.C.

MUTINS ARE FALSE DECORATIVE, SURFACED APPLIED

DOOR PANEL MODELS

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

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

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

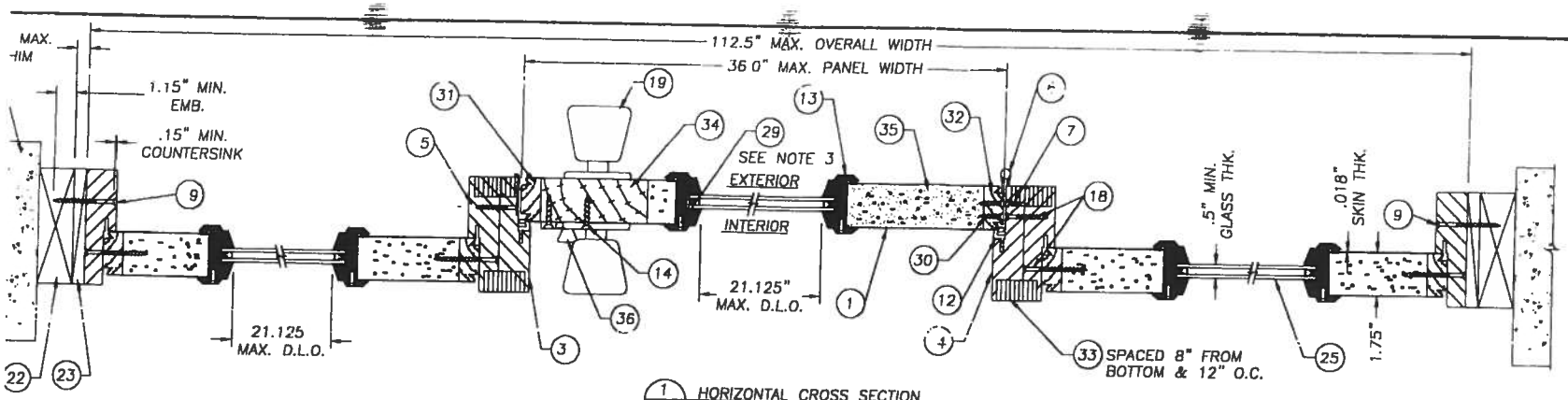
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & DOOR MODELS

RW BUILDING CONSULTANTS, INC. 813.684.3831

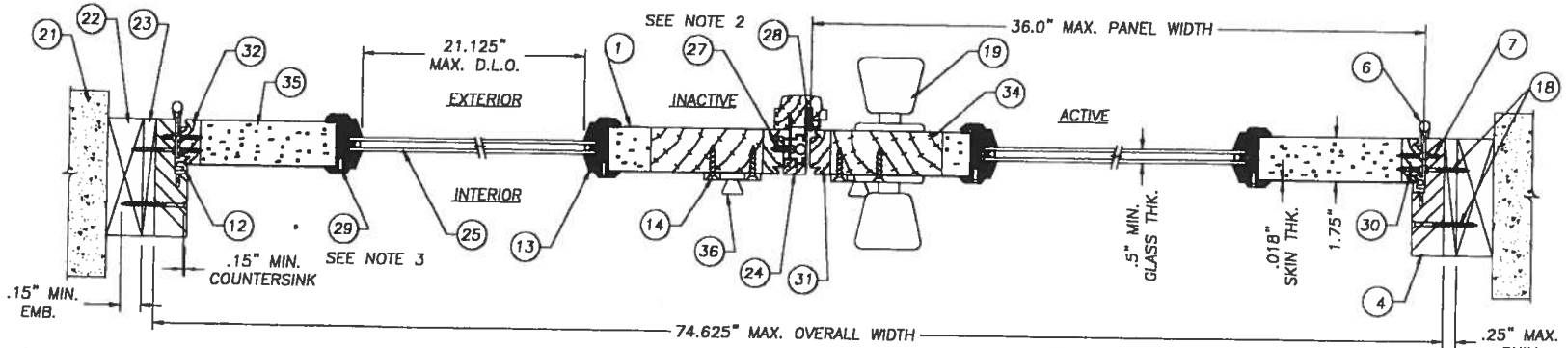
PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. FC2-0413.01 Expiration Date Oct 05 '07
By Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE APRIL 05, 2001
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
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 3 OF 6



1/4 HORIZONTAL CROSS SECTION SINGLE W/SIDELITES



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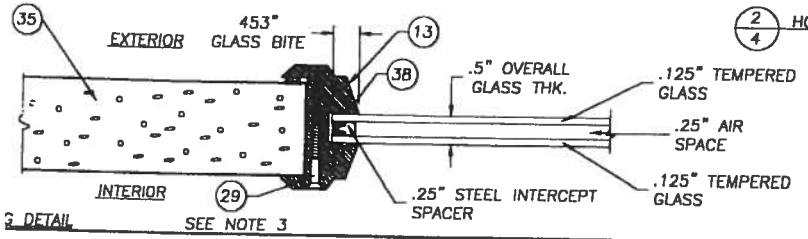


3 DETAIL

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 #29 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP ON SIDES, 6.438" & (8-0) (7) MORE AT 9.893" & (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	BY
2	3/09/01	GENERAL REVISION	RW
1	4/11/00	GENERAL REVISION	TJH

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

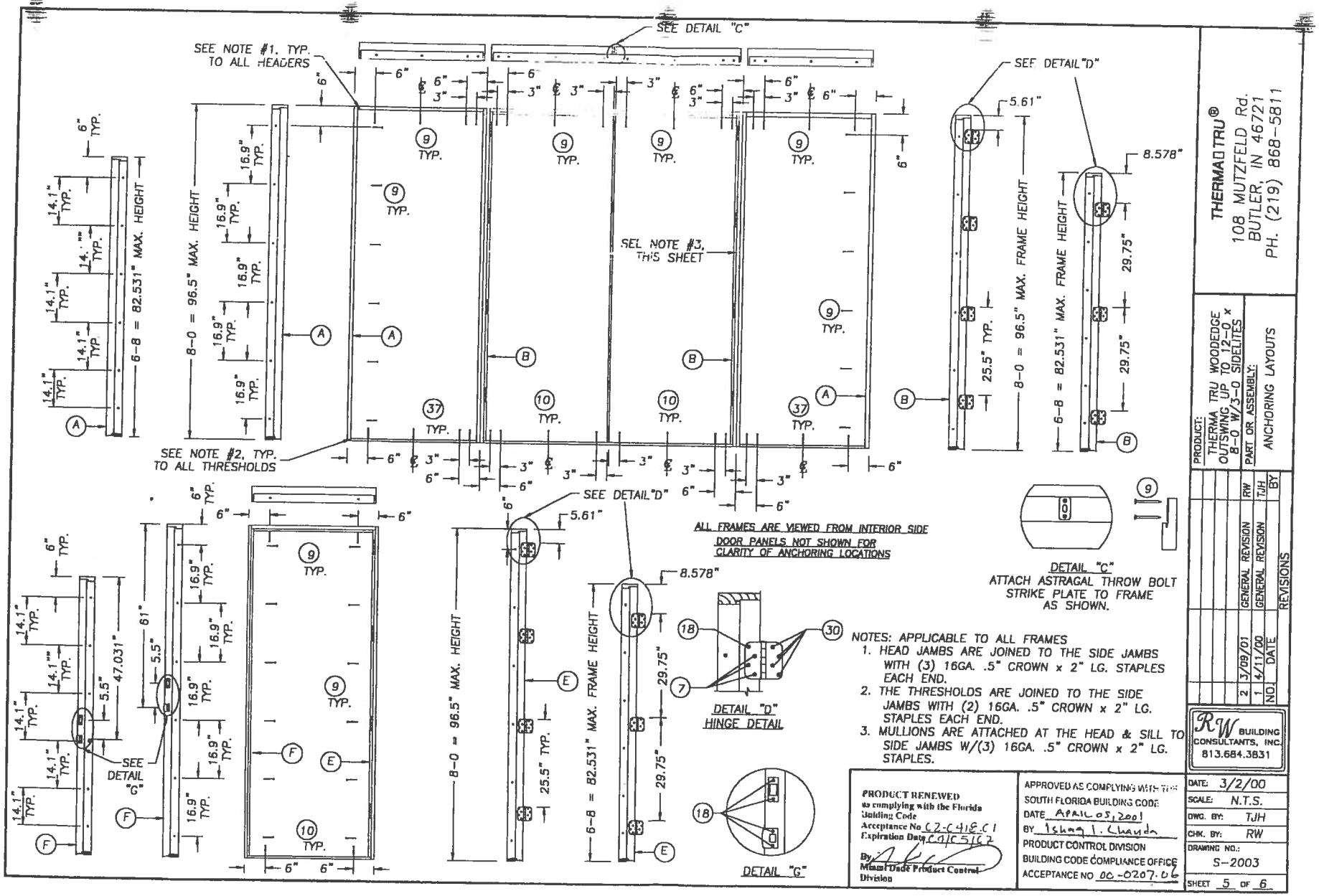
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAIL

RW BUILDING CONSULTANTS, INC. 813.684.3831

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No. 02-0404.01 Expiration Date 6/1/05/07 By Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE APRIL 05, 2001 BY Ishaq I. Chanda PRODUCT CONTROL DIVISION 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



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.

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 02-0418.01
Expiration Date 04/05/07
By: Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE APRIL 05, 2001
BY Ishaq I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207.06

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

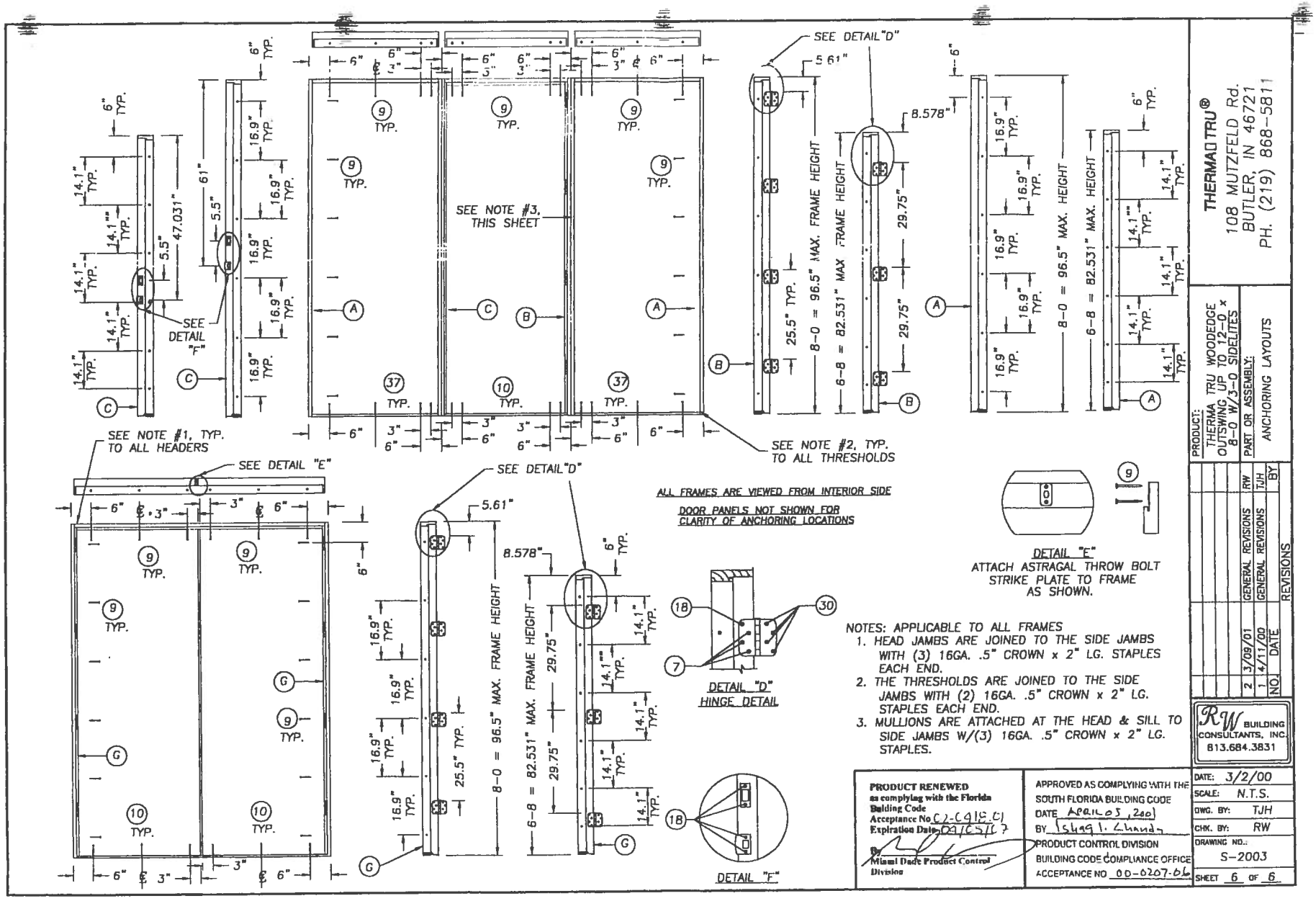
PRODUCT: THERMA TRU WOODEDGE OUTSWING UP TO 12-0 x 8-0 W/3-0 SIDELITES

PART OR ASSEMBLY: ANCHORING LAYOUTS

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

DATE: 3/2/00
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2003
SHEET 5 OF 6



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.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 01-0915.01
Expiration Date: 09/05/07
By: Miami Dade Product Control Division

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE April 03, 2001
BY Ishaq I. Khanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-0207.06

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: ANCHORING LAYOUTS

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

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