

Columbia County Building Permit Application

C# 3314 Revised 9-23-04

For Office Use Only Application # 0711-25 Date Received 11/30/07 By CH Permit # 1486/26487
Application Approved by - Zoning Official BWK Date 06.12.07 Plans Examiner OK-JH Date 12-3-07
Flood Zone X Flood Development Permit N/A Zoning RSF.2 Land Use Plan Map Category RES. Low Den.
Comments Finish Floor Elevation 1 foot above road

Applicants Name Trent Gieberg Const Phone 397-0545
Address 697 SE Holly Terrace Lake City FL
Owners Name Pete Gieberg Phone 752-7968
911 Address 620 SW Gerald Conner Drive
Contractors Name Trent Gieberg Phone 397-0545
Address 697 SE Holly Terrace Lake City FL
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 23-45-16-03095-11 Estimated Cost of Construction 90,000
Subdivision Name Cannon Creek Place Lot 11 Block _____ Unit 2 Phase _____
Driving Directions sisters welcome South Left on Kichlighter
Right on Gerald Conner Drive last house on
Right
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 49' Side 33'4" Side 56'2" Rear 52'2"
Total Building Height 16'11" Number of Stories 1 Heated Floor Area 1875 Roof Pitch 6/12
TOTAL 2,627

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.

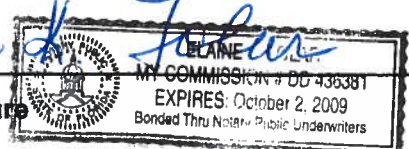
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

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 PR282811523
Competency Card Number 000141
NOTARY STAMP/SEAL

Elaine
Notary Signature


Columbia County Property Appraiser

DB Last Updated: 11/15/2007

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 23-4S-16-03095-111

Owner & Property Info

Search Result: 1 of 1

Owner's Name	GIEBEIG PETER W		
Site Address	GERALD CONNER		
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 11 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

NOTICE OF COMMENCEMENT

STATE OF: Florida
COUNTY OF: Columbia

Inst: 200712025103 Date: 11/8/2007 Time: 1:33 PM
6 DC, P. DeWitt Cason, Columbia County Page 1 of 1

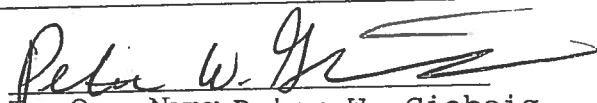
The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement:

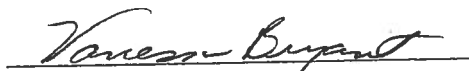
1. Description of Property: Lot #11 Cannon Creek Place Unit 2
620 Gerald Conner Drive
2. General Description of Improvement: Construction of Single Family Residence
3. Owner Information:
 - a. Name and Address: Peter W. Giebeig
P.O. Box 1384 Lake City, FL. 32056
 - b. Interest in Property: Fee Simple
 - c. Name and Address of Fee Simple titleholder (if other than Owner): _____
4. Contractor (Name and Address): Trent Giebeig Construction, Inc
697 SE Holly Terrace Lake City, FL. 32025
5. Surety:
 - a. Name and Address: _____ N/A
 - b. Amount of Bond: _____
6. Lender (Name and Address): _____ N/A
7. Persons within the State of Florida designated by Owner upon notices or other documents may be Served as provided by 713.13 (1)(a)(7), Florida Statutes.

N/A
8. In addition to himself, the Owner designates the following person to receive a copy of the Lienor's Notice as provided in 713.13 (1)(b), Florida Statutes (Name and Address):

N/A
9. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of Recording unless a different date is specified): _____

Type Owner Name: _____


Type Owner Name: Peter W. Giebeig


Witness #1
Vanessa Bryant

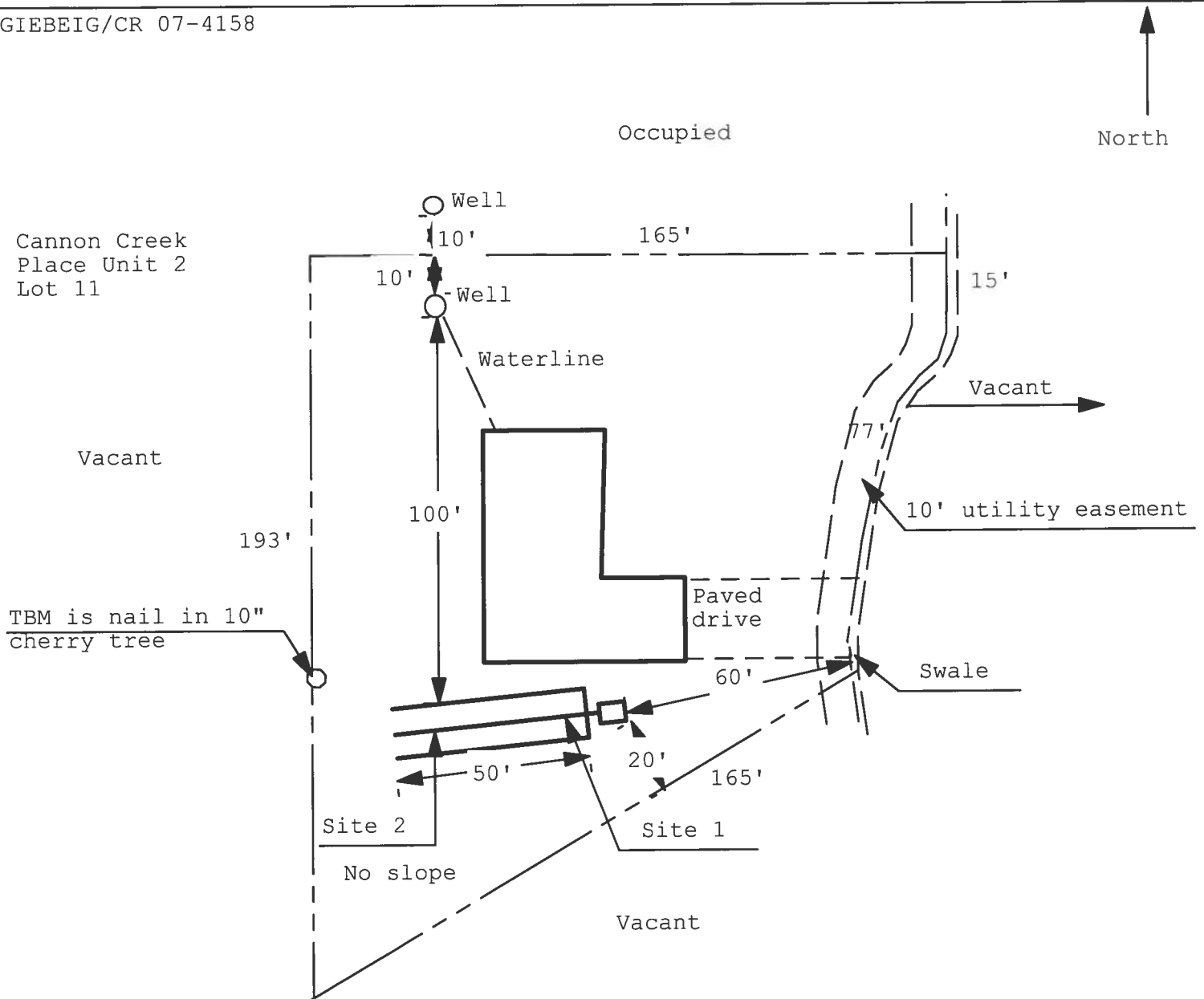

Witness #2 ELAINE K. TOLAR

Sworn to and subscribed before me by the
Owner (s) on this 7th day of November 2007

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 07-0874

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

GIEBEIG/CR 07-4158



1 inch = 40 feet

Site Plan Submitted By Paul L. [Signature] Date 11/8/07
Plan Approved ☒ Not Approved ☐ Date 11/14/07

By MR [Signature] Columbin CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Cannon Creek - Lot #11	Builder: T. Geibeig
Address:	Permitting Office: Columbia
City, State: ,	Permit Number: 26487
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 ☐	c. N/A ☐
6. Conditioned floor area (ft ²) 1875 ft² ☐	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 32.0 kBtu/hr
a. U-factor: Description Area	HSPF: 8.50
(or Single or Double DEFAULT) 7a. (Dble Default) 167.0 ft ² ☐	b. N/A ☐
b. SHGC:	c. N/A ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 167.0 ft ² ☐	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 20.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 230.0(p) ft ☐	EF: 0.94
b. N/A ☐	b. N/A ☐
c. N/A ☐	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Frame, Wood, Exterior R=13.0, 1641.3 ft² ☐	DHP-Dedicated heat pump)
b. N/A ☐	15. HVAC credits PT, CF, ☐
c. N/A ☐	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A ☐	HF-Whole house fan,
e. N/A ☐	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=30.0, 1875.0 ft² ☐	MZ-H-Multizone heating)
b. N/A ☐	
c. N/A ☐	
11. Ducts	
a. Sup: Con. Ret: Con. AH: Interior Sup. R=6.0, 62.0 ft ☐	
b. N/A ☐	

Glass/Floor Area: 0.09

Total as-built points: 19497

Total base points: 25733

PASS

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

PREPARED BY: Debbie H. Males

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	1875.0	18.59	6274.0	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	N	1.0	6.0	30.0	19.20	0.98	561.0		
				4.Double, Clear	S	1.0	6.0	45.0	35.87	0.94	1523.0		
				5.Double, Clear	S	1.0	6.0	25.0	35.87	0.94	846.0		
				6.Double, Clear	E	1.0	6.0	5.0	42.06	0.97	203.0		
				7.Double, Clear	E	1.0	6.0	6.0	42.06	0.97	244.0		
				8.Double, Clear	W	1.0	6.0	6.0	38.52	0.97	224.0		
				As-Built Total:		167.0			4536.0				
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		1641.3		1.50		2462.0	
Exterior	1641.3	1.70	2790.2										
Base Total:		1641.3		2790.2		As-Built Total:		1641.3		2462.0			
DOOR TYPES		Area X BSPM = Points		Type				Area X SPM = Points					
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				39.6		4.10		162.4	
Exterior	66.7	6.10	406.6										
Base Total:		66.7		406.6		As-Built Total:		66.7		273.3			
CEILING TYPES		Area X BSPM = Points		Type		R-Value		Area X SPM X SCM = Points					
Under Attic	1875.0	1.73	3243.8	1. Under Attic		30.0		1875.0		1.73 X 1.00		3243.8	
Base Total:		1875.0											
FLOOR TYPES		Area X BSPM = Points		Type		R-Value		Area X SPM = Points					
Slab	230.0(p)	-37.0	-8510.0	1. Slab-On-Grade Edge Insulation		0.0		230.0(p)		-41.20		-9476.0	
Raised	0.0	0.00	0.0										
Base Total:		-8510.0		As-Built Total:		230.0		-9476.0					
INFILTRATION		Area X BSPM = Points						Area X SPM = Points					
		1875.0	10.21	19143.8				1875.0		10.21		19143.8	

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 23348.3				Summer As-Built Points: 20182.8						
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
23348.3	0.3250		7588.2	(sys 1: Central Unit 32000btuh , SEER/EFF(13.0) Ducts: Con(S), Con(R), Int(AH), R6.0(INS) 20183	1.00	(1.00 x 1.147 x 0.91)	0.260	0.902		4943.2
				20182.8	1.00	1.044	0.260	0.902		4943.2

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1875.0	20.17	6807.0	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	N	1.0	6.0	30.0	24.58	1.00	737.0
				4.Double, Clear	S	1.0	6.0	45.0	13.30	1.02	612.0
				5.Double, Clear	S	1.0	6.0	25.0	13.30	1.02	340.0
				6.Double, Clear	E	1.0	6.0	5.0	18.79	1.02	95.0
				7.Double, Clear	E	1.0	6.0	6.0	18.79	1.02	114.0
				8.Double, Clear	W	1.0	6.0	6.0	20.73	1.01	125.0
				As-Built Total:				167.0	3251.0		
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	1641.3	3.40	5580.4	
Exterior	1641.3	3.70	6072.8								
Base Total: 1641.3 6072.8				As-Built Total:				1641.3	5580.4		
DOOR TYPES Area X BWPM = Points				Type				Area X WPM =		Points	
Adjacent	0.0	0.00	0.0	1.Exterior Insulated				39.6	8.40	332.6	
Exterior	66.7	12.30	819.9	2.Exterior Insulated				27.1	8.40	227.3	
Base Total: 66.7 819.9				As-Built Total:				66.7	559.9		
CEILING TYPES Area X BWPM = Points				Type			R-Value	Area X WPM X WCM =		Points	
Under Attic	1875.0	2.05	3843.8	1. Under Attic			30.0	1875.0	2.05 X 1.00	3843.8	
Base Total: 1875.0 3843.8				As-Built Total:				1875.0	3843.8		
FLOOR TYPES Area X BWPM = Points				Type			R-Value	Area X WPM =		Points	
Slab	230.0(p)	8.9	2047.0	1. Slab-On-Grade Edge Insulation			0.0	230.0(p)	18.80	4324.0	
Raised	0.0	0.00	0.0								
Base Total: 2047.0				As-Built Total:				230.0	4324.0		
INFILTRATION Area X BWPM = Points								Area X WPM =		Points	
1875.0 -0.59 -1106.2								1875.0 -0.59		-1106.2	

WINTER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT									
Winter Base Points: 18484.2				Winter As-Built Points: 16452.9									
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X	Cap Ratio (DM x DSM x AHU)	X	Duct Multiplier	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									
18484.2		0.5540	10240.3	16452.9	1.000	(1.000 x 1.169 x 0.93)	0.401		0.950		6817.1		
				16452.9	1.00		1.087		0.401		0.950		6817.1

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE					AS-BUILT					
WATER HEATING					Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume		Bedrooms		Ratio	Multiplier
Bedrooms										
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
7588		10240		7905	25733	4943		6817		7737	19497

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* = 88.9

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	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)	1875 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	Cap: 32.0 kBtu/hr ___
(or Single or Double DEFAULT)	7a. (Dble Default) 167.0 ft ²	___		HSPF: 8.50 ___
b. SHGC:		___	b. N/A	___
(or Clear or Tint DEFAULT)	7b. (Clear) 167.0 ft ²	___	c. N/A	___
8. Floor types		___	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 230.0(p) ft	___	a. Electric Resistance	Cap: 20.0 gallons ___
b. N/A	___	___		EF: 0.94 ___
c. N/A	___	___	b. N/A	___
9. Wall types		___	c. Conservation credits	___
a. Frame, Wood, Exterior	R=13.0, 1641.3 ft ²	___	(HR-Heat recovery, Solar	
b. N/A	___	___	DHP-Dedicated heat pump)	
c. N/A	___	___	15. HVAC credits	PT, CF, ___
d. N/A	___	___	(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A	___	___	HF-Whole house fan,	
10. Ceiling types		___	PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 1875.0 ft ²	___	MZ-C-Multizone cooling,	
b. N/A	___	___	MZ-H-Multizone heating)	
c. N/A	___	___		
11. Ducts		___		
a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 62.0 ft	___		
b. N/A	___	___		

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

Builder Signature: _____ Date: _____

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



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

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

BUILDING INPUT SUMMARY REPORT

PROJECT	Title: Cannon Creek - Lot #11		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: 1875		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	230.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	39.6 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	1875.0 ft²	1875.0 ft²	1		
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	32.0 kBtu/hr				
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1641.3 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	HSPF: 8.50	32.0 kBtu/hr				
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	N	30.0 ft²	1.0 ft	6.0 ft	1
	4	Double	Clear	S	15.0 ft²	1.0 ft	6.0 ft	3
	5	Double	Clear	S	25.0 ft²	1.0 ft	6.0 ft	1
	6	Double	Clear	E	5.0 ft²	1.0 ft	6.0 ft	1
	7	Double	Clear	E	6.0 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	62.0 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: 1875.0		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 #11

Code Only
Professional Version
Climate: North

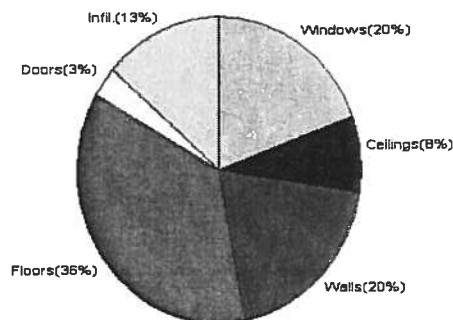
11/13/2007

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	27526	Btuh	Total cooling load calculation	16669	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.3	32000	Sensible (SHR = 0.75)	164.1	24000
Heat Pump + Auxiliary(0.0kW)	116.3	32000	Latent	391.3	8000
			Total (Electric Heat Pump)	192.0	32000

WINTER CALCULATIONS

Winter Heating Load (for 1875 sqft)

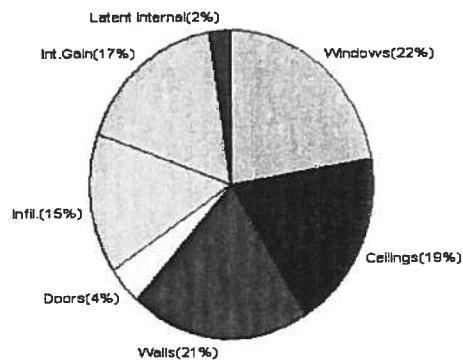
Load component		Load	
Window total	167 sqft	5376	Btuh
Wall total	1641 sqft	5390	Btuh
Door total	67 sqft	863	Btuh
Ceiling total	1875 sqft	2209	Btuh
Floor total	230 sqft	10042	Btuh
Infiltration	90 cfm	3646	Btuh
Duct loss		0	Btuh
Subtotal		27526	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		27526	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1875 sqft)

Load component		Load	
Window total	167 sqft	3745	Btuh
Wall total	1641 sqft	3423	Btuh
Door total	67 sqft	653	Btuh
Ceiling total	1875 sqft	3105	Btuh
Floor total		0	Btuh
Infiltration	45 cfm	837	Btuh
Internal gain		2860	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		14624	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		1645	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		2045	Btuh
TOTAL HEAT GAIN		16669	Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: *Delaney Motes*

DATE: *11-13-07*

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:
Cannon Creek - Lot #11

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	N	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	S	45.0	32.2	1449 Btuh
5	2, Clear, Metal, 0.87	S	25.0	32.2	805 Btuh
6	2, Clear, Metal, 0.87	E	5.0	32.2	161 Btuh
7	2, Clear, Metal, 0.87	E	6.0	32.2	193 Btuh
8	2, Clear, Metal, 0.87	W	6.0	32.2	193 Btuh
Window Total			167(sqft)		5376 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1641	3.3	5390 Btuh
Wall Total			1641		5390 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		40	12.9	513 Btuh
2	Insulated - Exterior		27	12.9	350 Btuh
Door Total			67		863Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1875	1.2	2209 Btuh
Ceiling Total			1875		2209Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	230.0 ft(p)	43.7	10042 Btuh
Floor Total			230		10042 Btuh
Envelope Subtotal:					23880 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	16875	1641	90.0
					3646 Btuh
Ductload	(DLM of 0.000)				0 Btuh
All Zones	Sensible Subtotal All Zones				27526 Btuh

WHOLE HOUSE TOTALS

	Subtotal Sensible	27526 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27526 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

11/13/2007

EQUIPMENT

1. Electric Heat Pump	#	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 - Winter

Residential Load - Room by Room Component Details

Project Title:
Cannon Creek - Lot #11

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	N	30.0		32.2	966 Btuh
4	2, Clear, Metal, 0.87	S	45.0		32.2	1449 Btuh
5	2, Clear, Metal, 0.87	S	25.0		32.2	805 Btuh
6	2, Clear, Metal, 0.87	E	5.0		32.2	161 Btuh
7	2, Clear, Metal, 0.87	E	6.0		32.2	193 Btuh
8	2, Clear, Metal, 0.87	W	6.0		32.2	193 Btuh
Window Total			167(sqft)			5376 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1641		3.3	5390 Btuh
Wall Total			1641			5390 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		40		12.9	513 Btuh
2	Insulated - Exterior		27		12.9	350 Btuh
Door Total			67			863Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin	30.0	1875		1.2	2209 Btuh
Ceiling Total			1875			2209Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	230.0 ft(p)		43.7	10042 Btuh
Floor Total			230			10042 Btuh
Zone Envelope Subtotal:						23880 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
	Natural	0.32	16875	1641	90.0	3646 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)\DLM of 0.000)					0 Btuh
Zone #1	Sensible Zone Subtotal					27526 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

11/13/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	27526 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	27526 Btuh

EQUIPMENT

1. Electric Heat Pump	#	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:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

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

11/13/2007

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.	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	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560 Btuh		
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	45.0	45.0	0.0	19	23	841 Btuh		
5	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	25.0	25.0	0.0	19	23	467 Btuh		
6	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	5.0	0.0	5.0	19	55	277 Btuh		
7	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	6.0	0.0	6.0	19	55	333 Btuh		
8	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	6.0	0.0	6.0	19	55	333 Btuh		
Window Total					167 (sqft)					3745 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
1	Frame - Wood - Ext	13.0/0.09			1641.3			2.1		3423 Btuh		
Wall Total					1641 (sqft)					3423 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
1	Insulated - Exterior				39.6			9.8		388 Btuh		
2	Insulated - Exterior				27.1			9.8		265 Btuh		
Door Total					67 (sqft)					653 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle	30.0			1875.0			1.7		3105 Btuh		
Ceiling Total					1875 (sqft)					3105 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
1	Slab On Grade	0.0			230 (ft(p))			0.0		0 Btuh		
Floor Total					230.0 (sqft)					0 Btuh		
Envelope Subtotal:										10927 Btuh		
Infiltration	Type	ACH			Volume(cuft) wall area(sqft)			CFM=		Load		
	SensibleNatural	0.16			16875 1641			90.0		837 Btuh		
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	2			X 230 +			2400		2860 Btuh			
Sensible Envelope Load:										14624 Btuh		
Duct load	(DGM of 0.000)										0 Btuh	
Sensible Load All Zones										14624 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

11/13/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14624 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	14624 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14624 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1645 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	2045 Btuh
	TOTAL GAIN	16669 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

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Cannon Creek - Lot #11

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	N	1ft.	6ft.	30.0	0.0	30.0	19	19	560	Btuh
4	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	45.0	45.0	0.0	19	23	841	Btuh
5	2, Clear, 0.87, B-D, N,F	S	1ft.	6ft.	25.0	25.0	0.0	19	23	467	Btuh
6	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	5.0	0.0	5.0	19	55	277	Btuh
7	2, Clear, 0.87, B-D, N,F	E	1ft.	6ft.	6.0	0.0	6.0	19	55	333	Btuh
8	2, Clear, 0.87, B-D, N,F	W	1ft.	6ft.	6.0	0.0	6.0	19	55	333	Btuh
Window Total					167 (sqft)					3745 Btuh	
Walls 1	Type	R-Value/U-Value		Area(sqft)			HTM		Load		
	Frame - Wood - Ext	13.0/0.09		1641.3			2.1		3423 Btuh		
	Wall Total			1641 (sqft)					3423 Btuh		
Doors 1 2	Type				Area (sqft)			HTM		Load	
	Insulated - Exterior				39.6			9.8		388 Btuh	
	Insulated - Exterior				27.1			9.8		265 Btuh	
	Door Total				67 (sqft)					653 Btuh	
Ceilings 1	Type/Color/Surface	R-Value		Area(sqft)			HTM		Load		
	Vented Attic/DarkShingle	30.0		1875.0			1.7		3105 Btuh		
	Ceiling Total			1875 (sqft)					3105 Btuh		
Floors 1	Type	R-Value		Size			HTM		Load		
	Slab On Grade	0.0		230 (ft(p))			0.0		0 Btuh		
	Floor Total			230.0 (sqft)					0 Btuh		
	Zone Envelope Subtotal:									10927 Btuh	
Infiltration	Type	ACH		Volume(cuft) wall area(sqft)			CFM=		Load		
	SensibleNatural	0.16		16875 1641			45.0		837 Btuh		
Internal gain	Occupants		Btuh/occupant			Appliance		Load			
	2		X 230 +			2400		2860 Btuh			
	Sensible Envelope Load:									14624 Btuh	
Duct load	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)							(DGM of 0.000)		0 Btuh	
	Sensible Zone Load									14624 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

11/13/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	14624 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	14624 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	14624 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	1645 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	2045 Btuh
	TOTAL GAIN	16669 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:
Cannon Creek - Lot #11

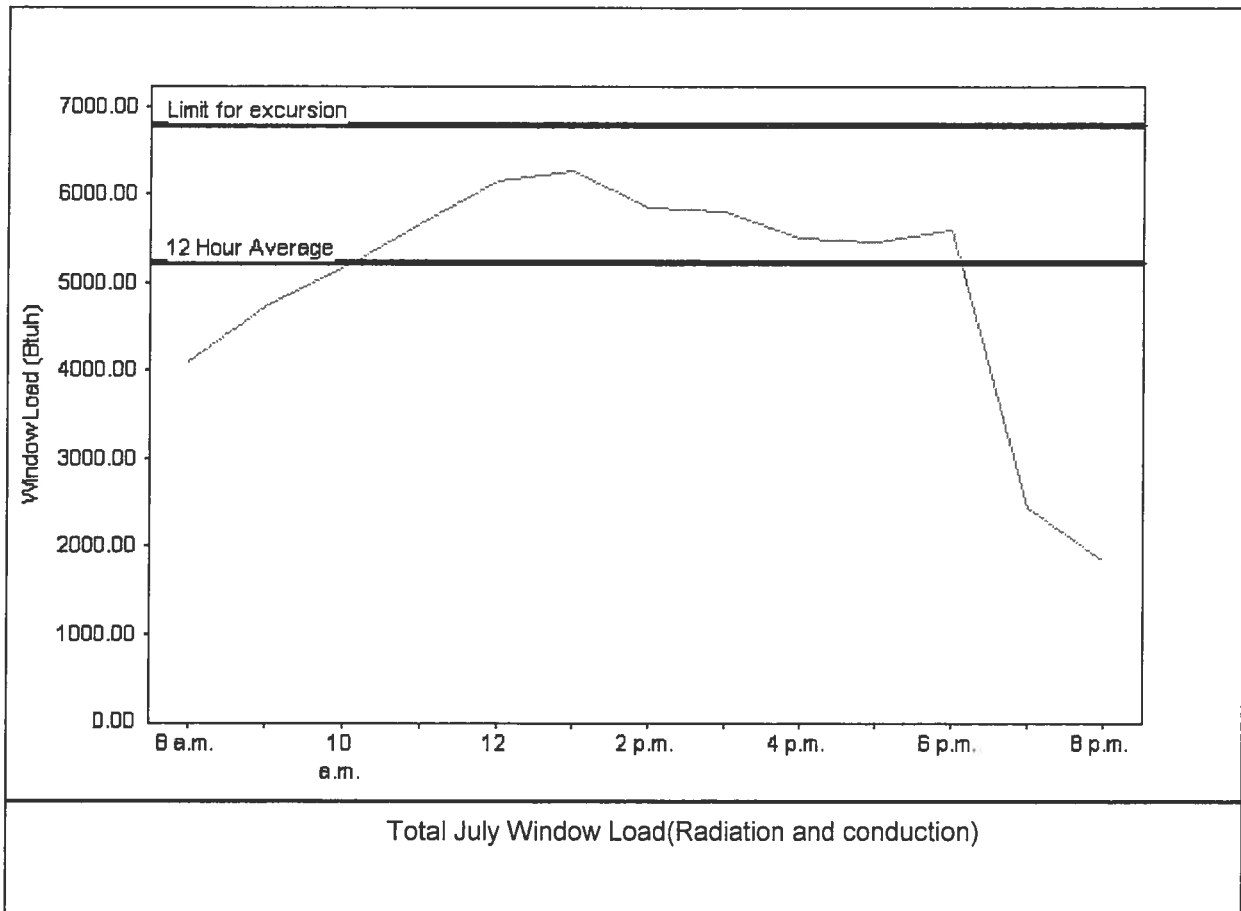
Code Only
Professional Version
Climate: North

11/13/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	5220 Btuh
Summer setpoint	75 F	Peak window load for July	6264 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	6785 Btuh
Latitude	29 North	Window excursion (July)	None

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: Debbie Motes

DATE: 11-13-07



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.

24487

Columbia County Building Department Culvert Permit

Culvert Permit No.

000001486

DATE 12/10/2007 PARCEL ID # 23-4S-16-03095-111

APPLICANT TRENT GIEBEIG PHONE 397-0545

ADDRESS 697 SW HOLLY TERR LAKE CITY FL 32025

OWNER PETE GIEBEIG PHONE 752-7968

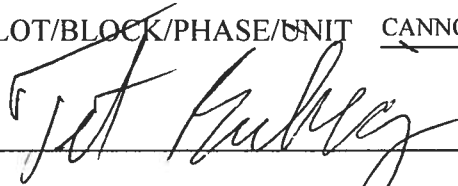
ADDRESS 620 SW GERALD CONNER DR LAKE CITY FL 32055

CONTRACTOR TRENT GIEBEIG PHONE 397-0545

LOCATION OF PROPERTY 90W. TL SISTERS WELCOME, TL ON KICKLIGHTER, TR ON GERALD
CONNER DR. LAST HOUSE ON RIGHT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT CANNON CREEK PLACE 11

SIGNATURE



INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other _____

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

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

Amount Paid 25.00





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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

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

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

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

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

This consists of pages 1 through 4.

The submitted documentation was reviewed by Frank Zuloaga, RRC



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

ROOFING ASSEMBLY APPROVAL

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

1. SCOPE:

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

2. PRODUCT DESCRIPTION

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

3. EVIDENCE SUBMITTED:

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

4. LIMITATIONS

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

5. INSTALLATION

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

6. LABELING

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

7. BUILDING PERMIT REQUIREMENTS

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

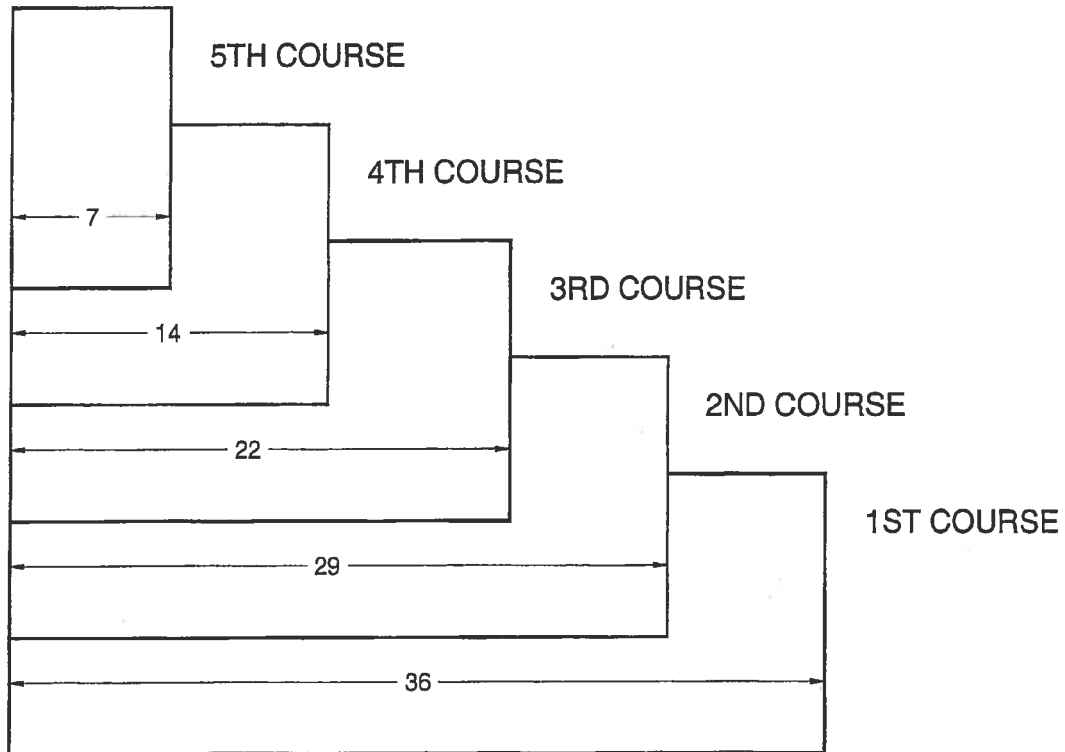


NOA No.: 03-0620.01
Expiration Date: 09/04/08
Approval Date: 09/04/03

DETAIL A

HERITAGE DECLARATION & XL

All dimensions are in inches.

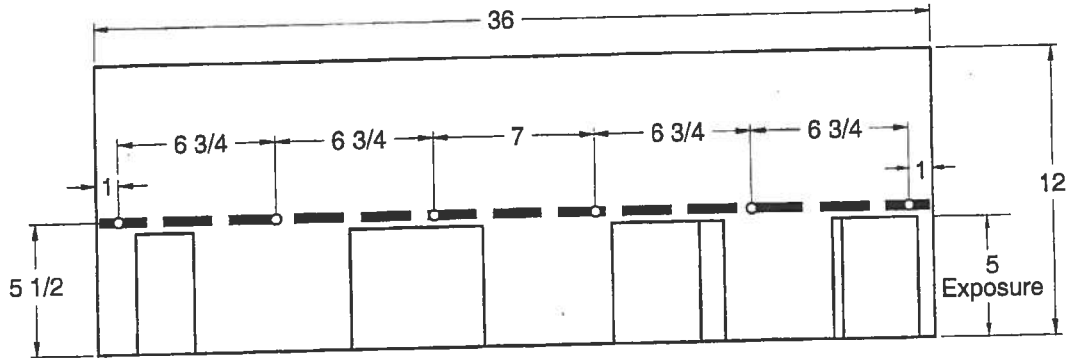


DETAIL B

HERITAGE DECLARATION

12" x 36" LAMINATED SHINGLE

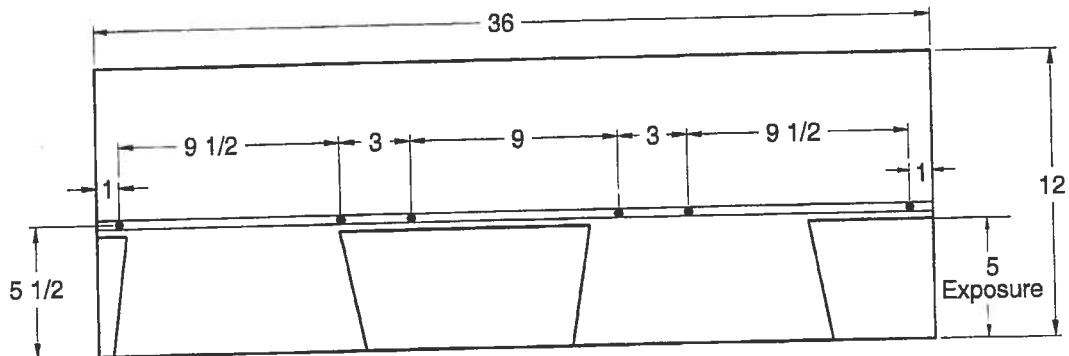
All dimensions are in inches.



HERITAGE XL

12" x 36" LAMINATED SHINGLE

All dimensions are in inches.



END OF THIS ACCEPTANCE



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



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
108 Mutzfeld Road
Butler, IN 46721

SCOPE:

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

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

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

DESCRIPTION: Outswing Glazed Residential Steel Door w/Sidelites

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

MISSILE IMPACT RATING: None

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

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

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

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

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

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



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

THERMA-TRU®

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

GENERAL NOTES

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

RESIDENTIAL INSULATED STEEL DOOR

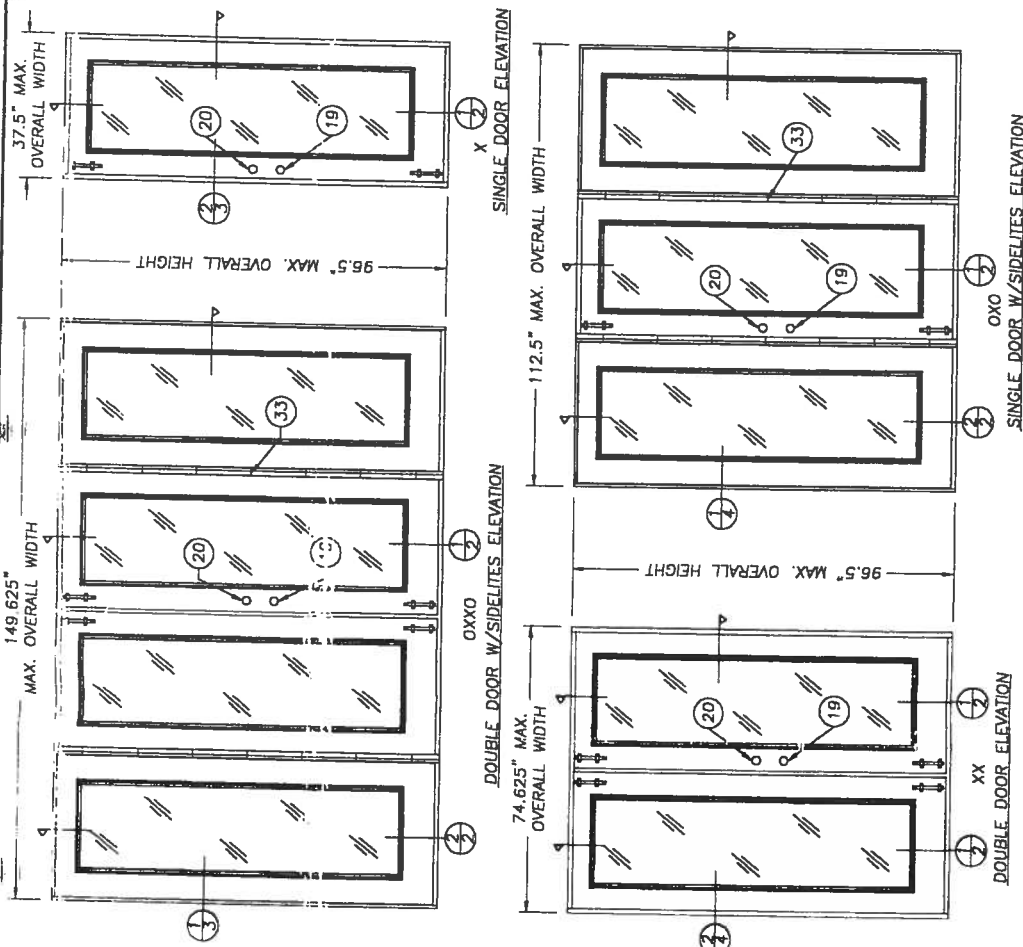
(Common to all frame conditions)
Door Leaf Construction:
Face sheets: 25 GA(0.018") minimum thickness, KDO Galvanized steel, A-525 commercial quality, KDO per ASTM 620 with yield strength F_y (min.)=47,000 psi
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.
Construction: Flush or 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)

APPROVED AS COMPLIANT WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: 4/11/00
BY: [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 20-D107-06

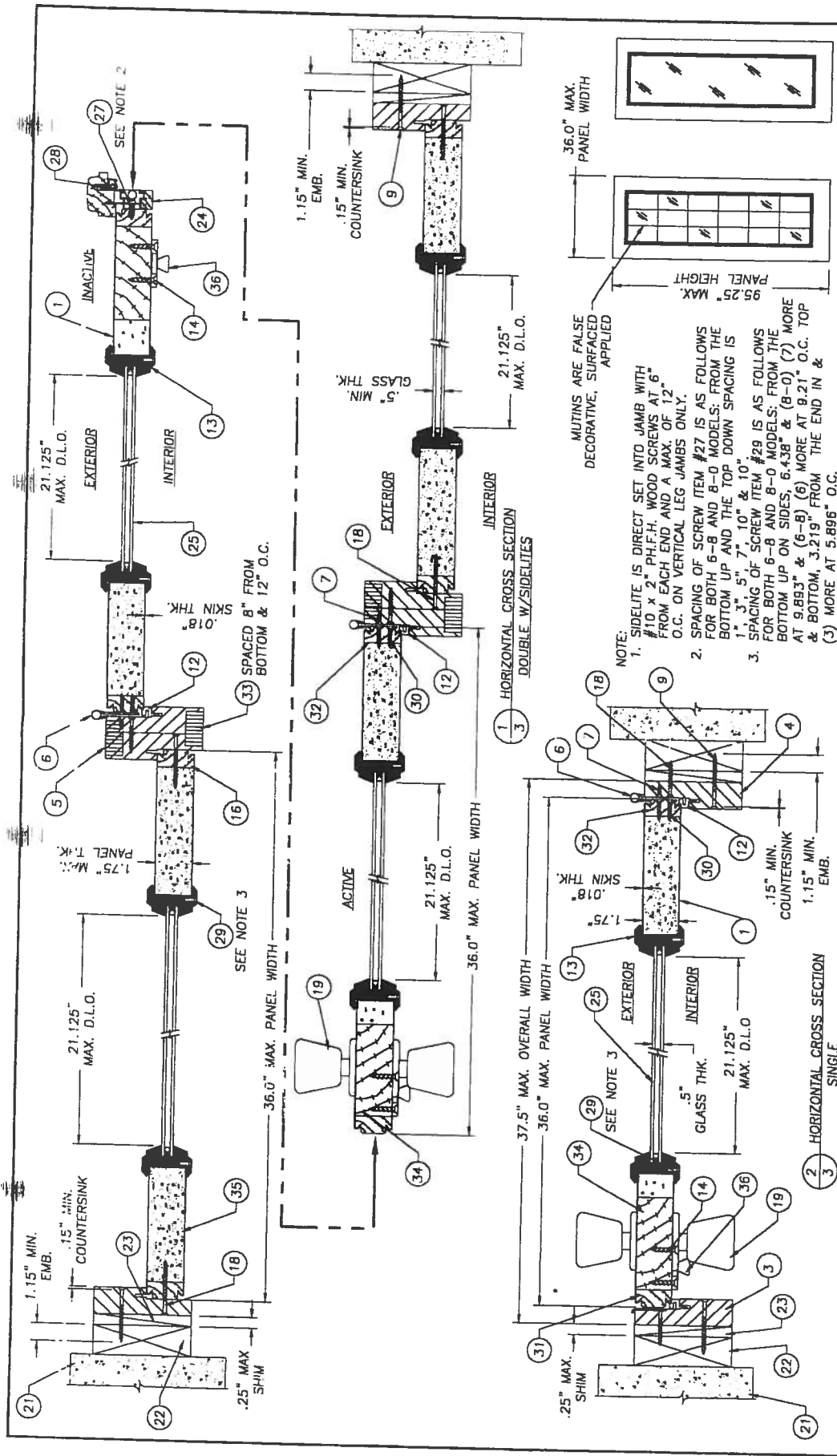
PRODUCT RENEWED
as compliant with the Florida
Building Code
Acceptance No. 20-D107-06
Expiration Date 4/11/10
By: [Signature]
Miami Dade Product Control
Division

NO.	DATE	REVISION
1	4/11/00	GENERAL REVISION
2	5/09/01	GENERAL REVISION
3	8/01/01	GENERAL REVISION
4	11/01/01	GENERAL REVISION
5	11/01/01	GENERAL REVISION
6	11/01/01	GENERAL REVISION
7	11/01/01	GENERAL REVISION
8	11/01/01	GENERAL REVISION
9	11/01/01	GENERAL REVISION
10	11/01/01	GENERAL REVISION

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

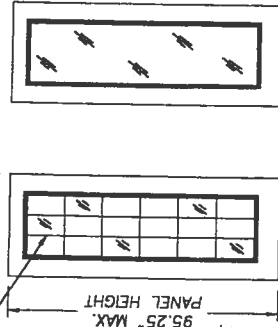
RW BUILDING
CONSULTANTS, INC.
813.864.3531

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



NOTE:
 1. SIDELITE IS DIRECT SET INTO JAMB WITH #10 x 2 P.H.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.

DOOR PANEL MODELS



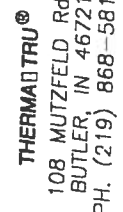
THERMA TRU®
 108 MUTZFELD Rd.
 BUTLER, IN 46721
 PH. (219) 868-5811

PRODUCT: THERMA TRU WOODGE OUTSWING UP TO 12-0 x 8-0 W/3-0 SIDELITES
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & DOOR MODELS

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

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: 12/03/01
 BY: 12/03/01
 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





BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

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

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

MISSILE IMPACT RATING: None

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

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

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

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

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

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

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

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

2/13/2003



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

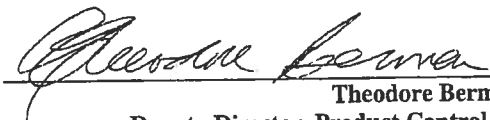
1. None.

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.

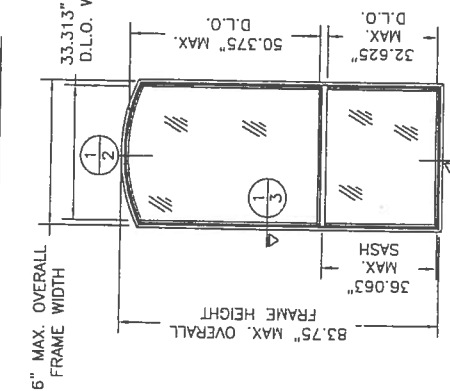
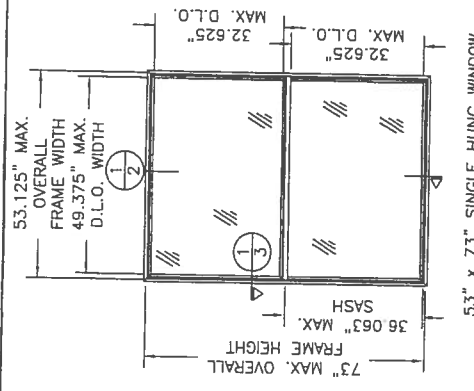
G. OTHER

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

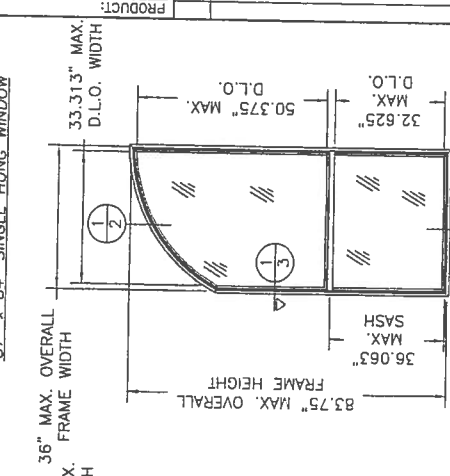
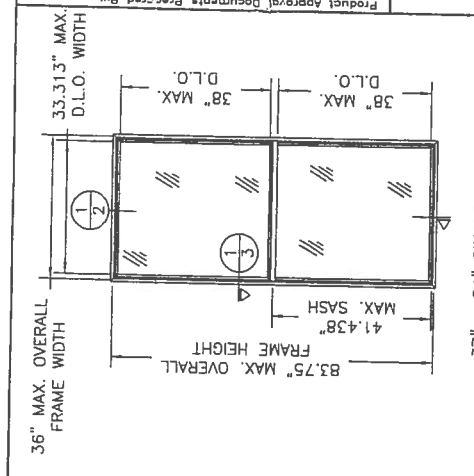

Theodore Berman, P.E.
Deputy Director, Product Control Division
NOA No 03-1215.02
Expiration Date: March 04, 2009
Approval Date: March 04, 2004

MI HOME PRODUCTS
 650 WEST MARKET STREET • GRATZ, PA • 17030-0370
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

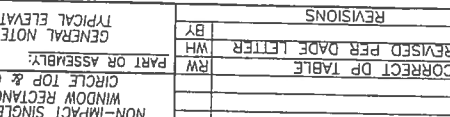
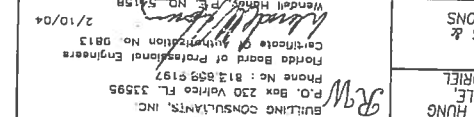
- GENERAL NOTES:**
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
 2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
 3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT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



36" 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 representing with the
 Date: 03/03/04
 Name: [Signature]
 Title: [Signature]
 By: [Signature]

GENERAL NOTES & TYPICAL ELEVATIONS

NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL

PART OR ASSEMBLY:

BY: [Signature]

DATE: 10/27/03

NO. 1

DATE: 01/04

REVISIONS

2/2/04 CORRECT DP TABLE

2/2/04 REVISED PER DATE LETTER

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 Venice, FL 33595

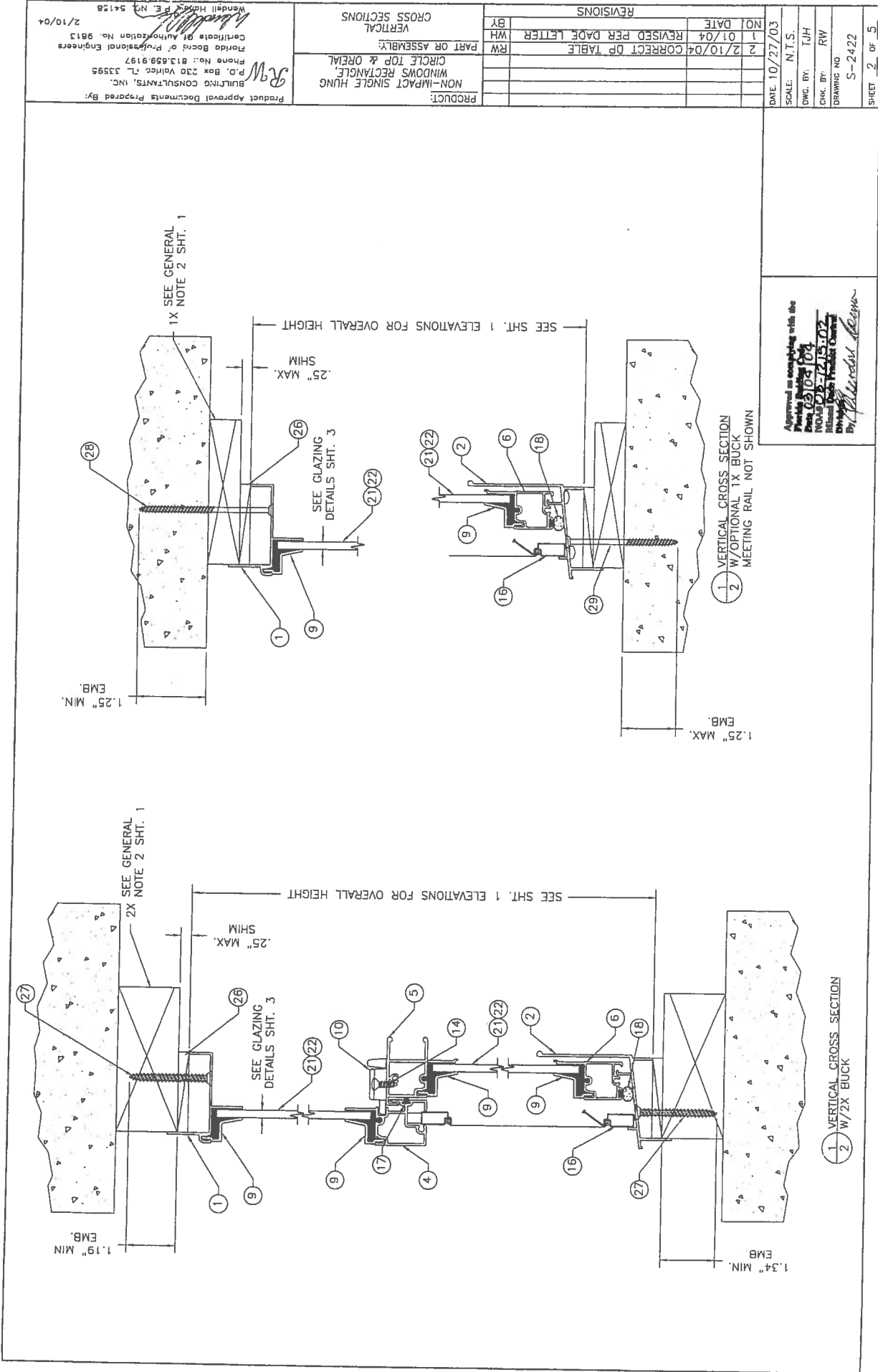
Phone No.: 813 859 5197

Florida Board of Professional Engineers

Certificate of Authorization No. 0813

Wendell Harris, P.E. NO. 54156

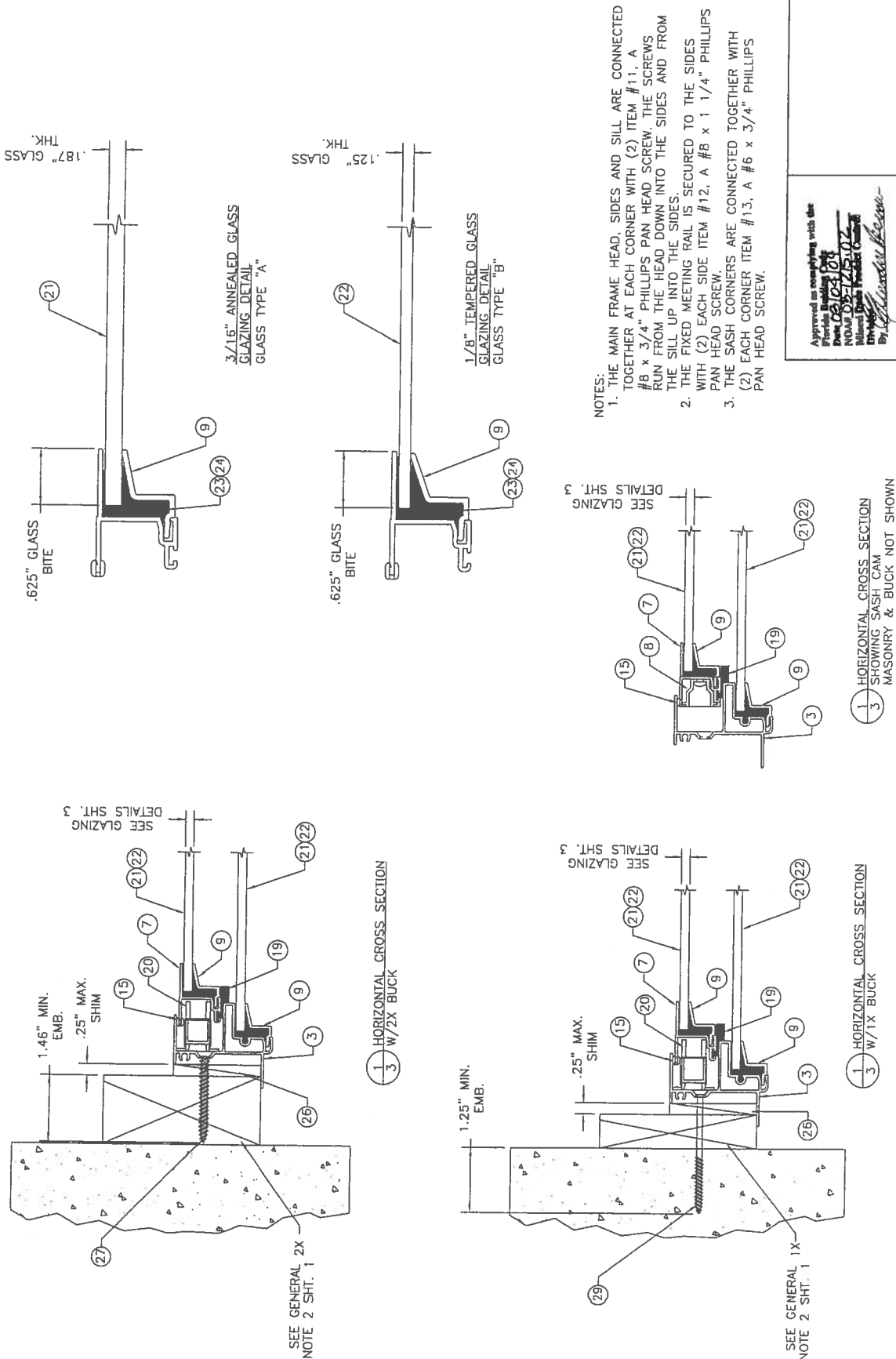
2/10/04



Approved as existing with the
 Plans of the
 Date 03/04/04
 NOVA 03-12-13-02
 National Trade Products Company
 By: *[Signature]*

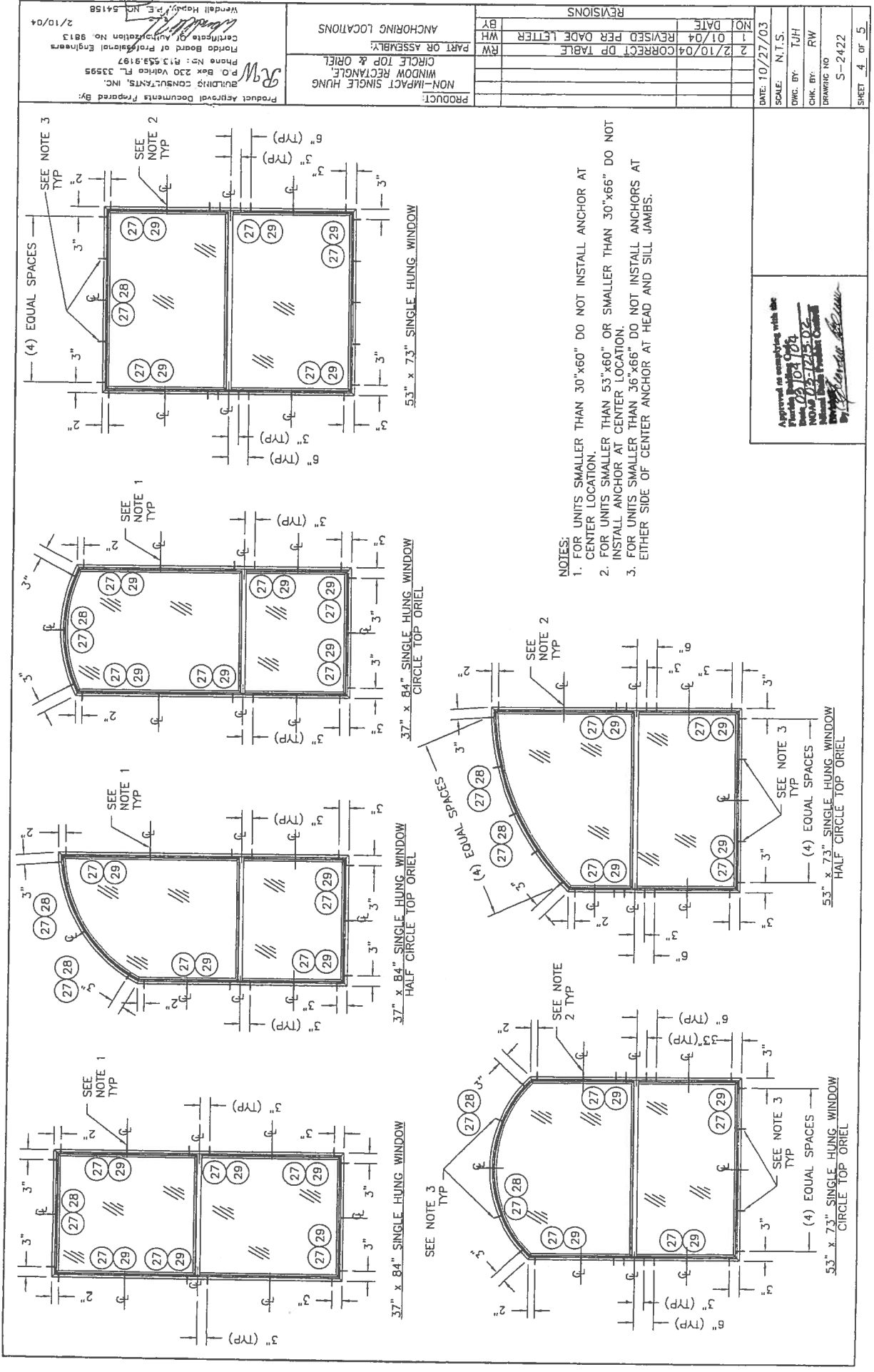
DATE: 10/27/03	SCALE: N.T.S.	SHEET 2 OF 5
NO. DATE	DWG. BY: T.J.H.	
1 01/04	CHK. BY: RW	
2 2/10/04	DRAWING NO. S-2422	
REVISIONS		
CORRECT DP TABLE		
REVISED PER DATE LETTER		
BY	WH	
PART OR ASSEMBLY:		
NON-IMPACT SINGLE HUNG		
WINDOWS RECTANGLE		
CIRCLE TOP & OREIL		
CROSS SECTIONS		
VERTICAL		
Product Approval Documents Prepared By:		
BUILDING CONSULTANTS, INC.		
P.O. Box 230 Vero Beach, FL 33595		
Phone No.: 813.659.9197		
Florida Board of Professional Engineers		
Certificate of Authorization No. 9813		
Wendell H. H. P.E. No. 54128		
2/10/04		

PRODUCT: NON-IMPACT SINGLE HUNG WINDOWS RECTANGLE, CIRCLE TOP & OREIL PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & GLAZING DETAILS REVISIONS:		NO. 1 DATE 01/04 REVISIONS: CORRECT DP TABLE 2/10/04 DATE 01/04 REVISIONS: CORRECT DP TABLE	DATE 10/27/03 SCALE: N.T.S. DMC BY: TJH CLK BY: RW DRAWING NO: S-2422 SHEET 3 OF 5
BUILDING CONSULTANTS, INC. P.O. Box 230 Venice FL 33595 Phone No.: 813.639.9197 Florida Board of Professional Engineers Certificate of Authorization No. 5813 2/10/04		Approved as complying with the Florida Building Code Date 03/04/04 Name 05-175107 Michael Dean Product Control By: Michael Dean	



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.



Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Venice FL 33595
Phone No: 813-543-9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hardy, P.E. No. 54158

REVISIONS	
NO.	DATE
1	01/04
2	2/10/04
CORRECT DP TABLE	
REVISED PER DATE LETTER	
WH	BY
RW	BY
PART OR ASSEMBLY:	
ANCHORING LOCATIONS	
NON-IMPACT SINGLE HUNG WINDOW RECTANGLE CIRCLE TOP & ORIEL	
PRODUCT:	

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

Approved as complying with the
Florida Building Code
Adopted 03-10-04
Adopted 03-12-02
Adopted 03-12-02
Adopted 03-12-02
Adopted 03-12-02



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.**

Handwritten signature
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

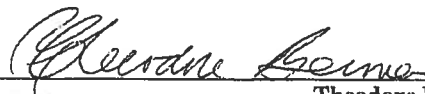
1. None.

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

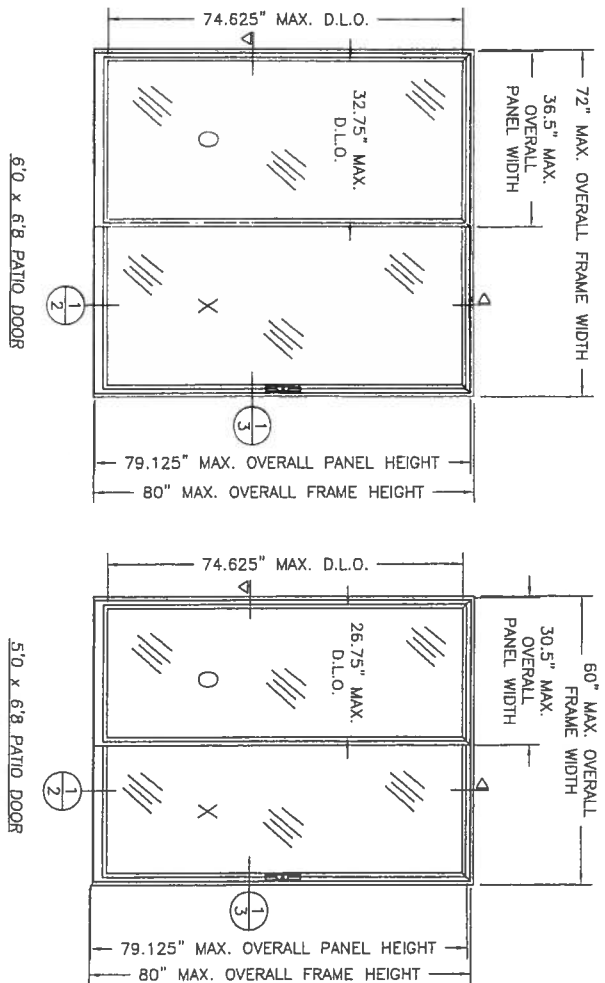
MI HOME PRODUCTS
 650 WEST MARKET STREET • GAITHERSBURG, PA • 17030-0370
SERIES BETTERBILT D485/D3485
ALUMINUM SLIDING PATIO DOOR

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

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

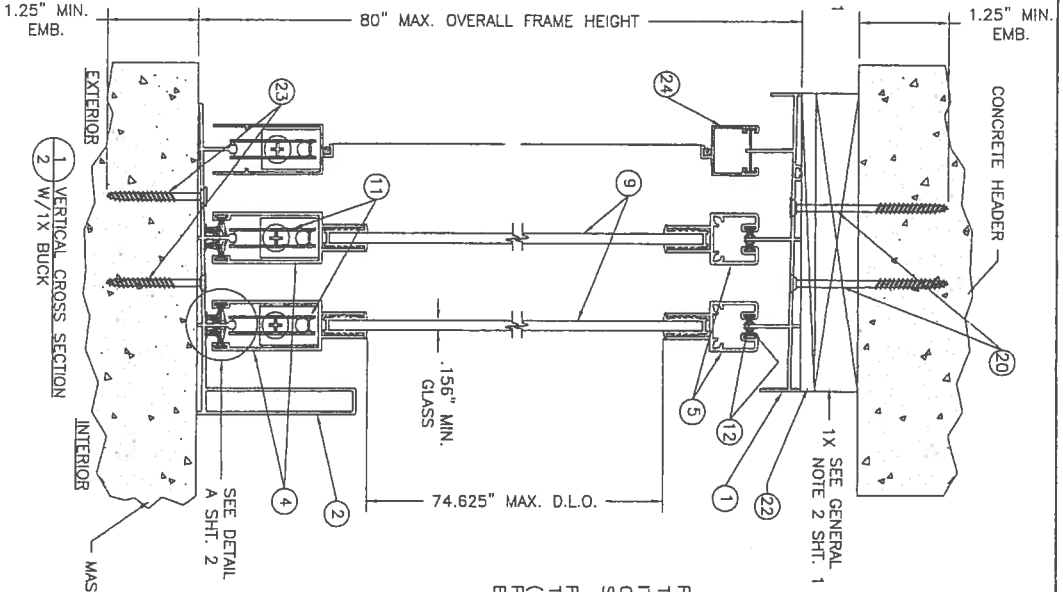
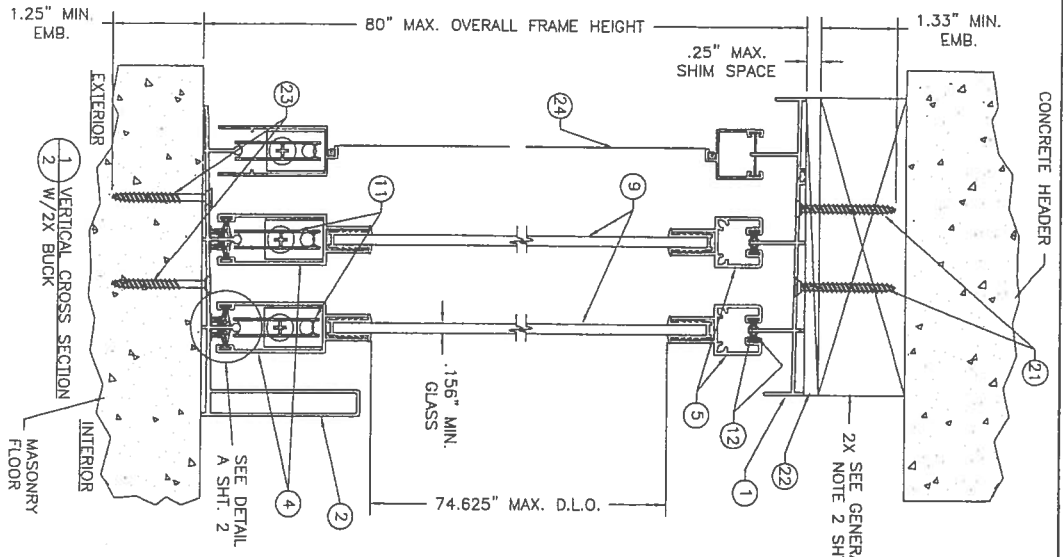
DESIGN PRESSURE RATING
 +57.52 PSF -74.0 PSF

ALL ELEVATIONS ARE
 VIEWED FROM EXTERIOR



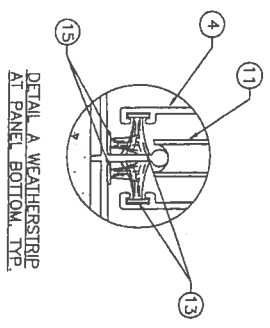
Approved as meeting with the
 Florida Building Code
 08/04/03
 NO. 08-1225.01
 Michael Doyle, Professional Engineer
 Michael Doyle Engineering, Inc.

DATE: 12/18/03		PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"		Product Approval Documents Prepared By: <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Vero Beach, FL 33595 Phone No.: 813.659.9197	
SCALE: N.T.S.		PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS		Florida Board of Professional Engineers Certificate Of Authorization No. 9813 <i>Lyndon F. Schmidt</i> 12/22/03	
Dwg. Br: TJH		BY		Lyndon F. Schmidt, P.E. NO. 43409	
Chk. Br: RW		REVISIONS			
DRAWING NO.: S-2425		NO. DATE			
SHEET 1 OF 5					



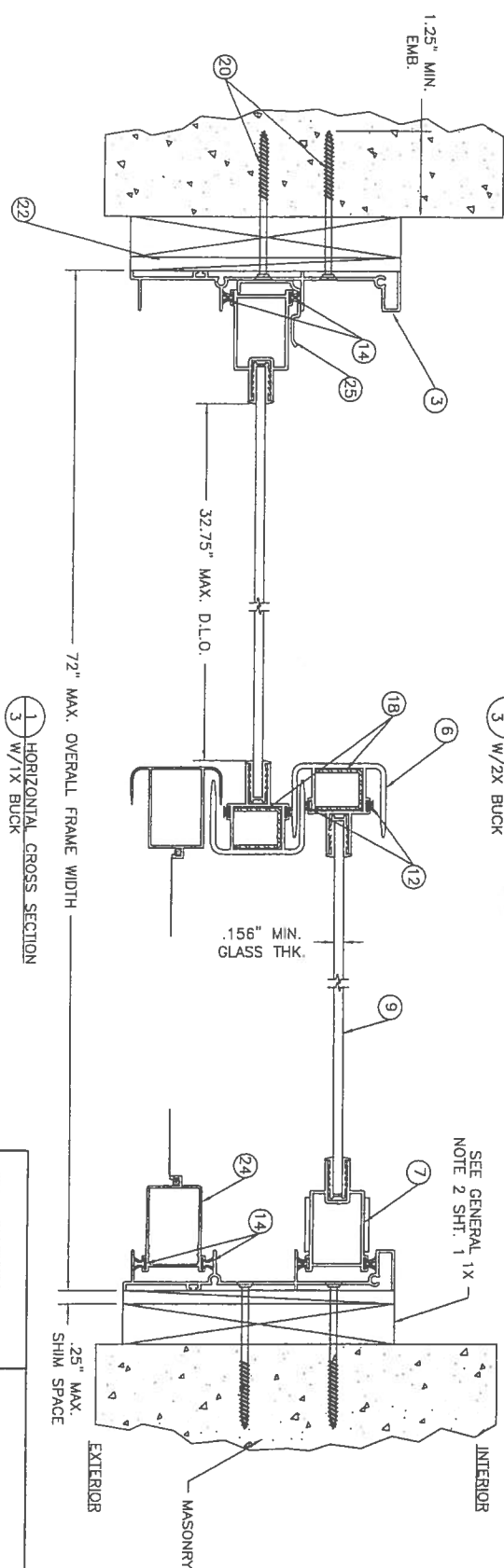
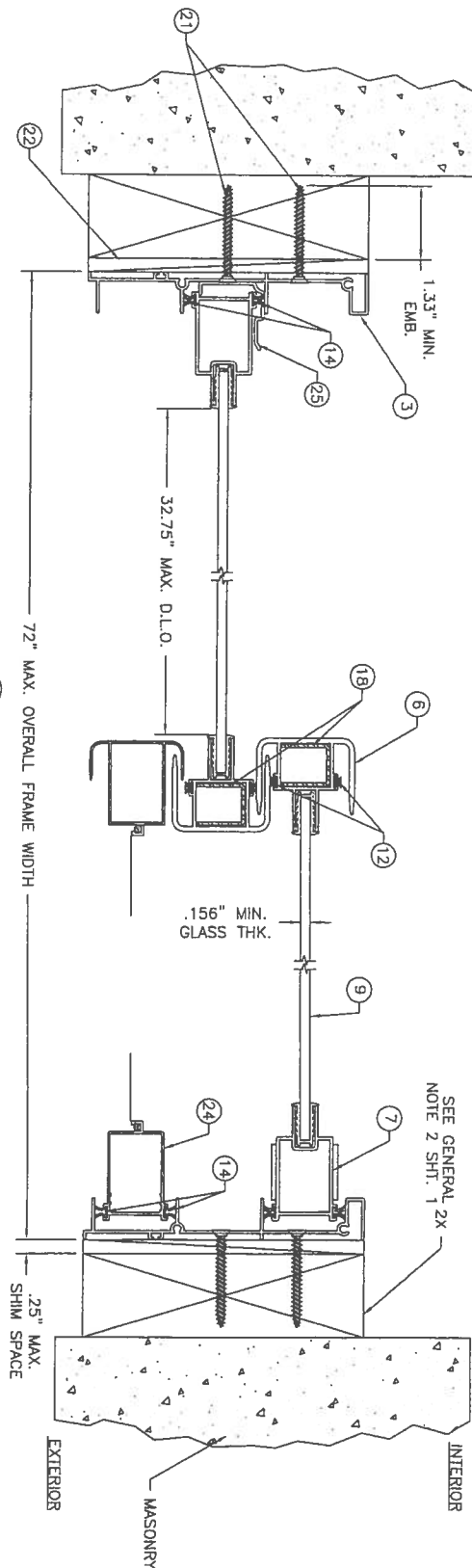
FRAME CONSTRUCTION NOTE:
 THE FRAME CORNERS ARE BUTTED AND SECURED WITH (2) ITEM #19, A #8 x 5/8" FLAT HEAD SCREW, AT EACH CORNER THROUGH THE HEAD AND SILL INTO THE JAMB SCREW BOSS.

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



Approved for stamping with the
 Florida Building Code
 Date 02/04/04
 MDW/02/04/04
 Lyndon F. Schmidt, P.E.
 Building Consultant, Inc.

DATE: 12/18/03				PRODUCT: NON-IMPACT ALUMINUM SLIDING PATIO DOOR UP TO 6'0" x 6'8"				Product Approval Documents Prepared By: <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230 Valrico FL 33595 Phone No.: 813.659.9197			
SCALE: N.T.S.				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & CONSTRUCTION NOTES				Florida Board of Professional Engineers Certificate Of Authorization No 9813 <i>Lyndon F. Schmidt</i> 12/22/03			
DRWG. BY: T/JH		CHK. BY: RW		DRAWING NO.: S-2425		SHEET 2 OF 5		Lyndon F. Schmidt, P.E. NO. 43409			
NO.		DATE		BY		REVISIONS					



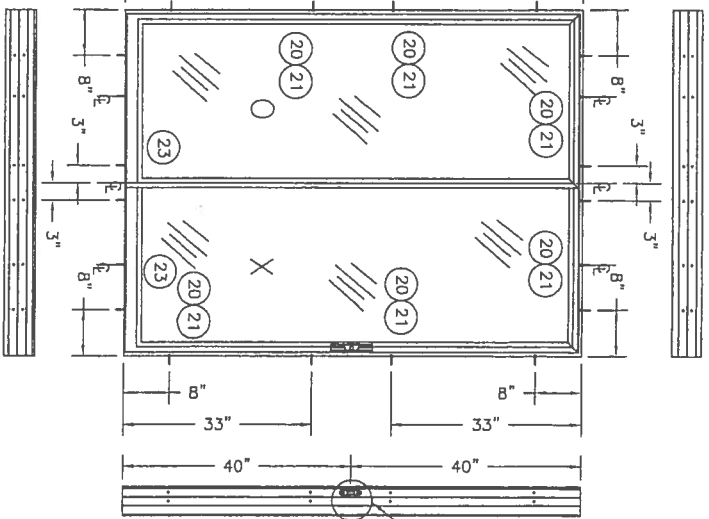
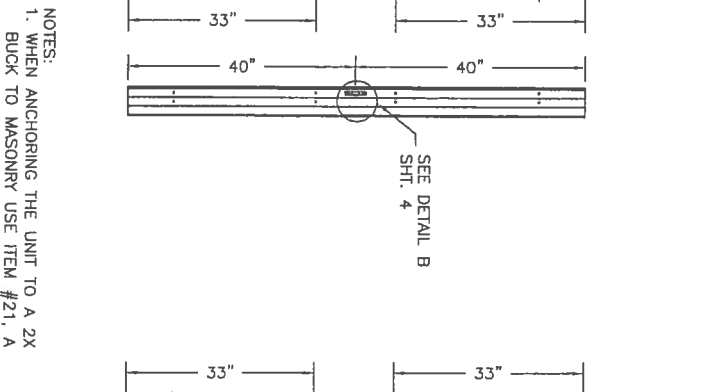
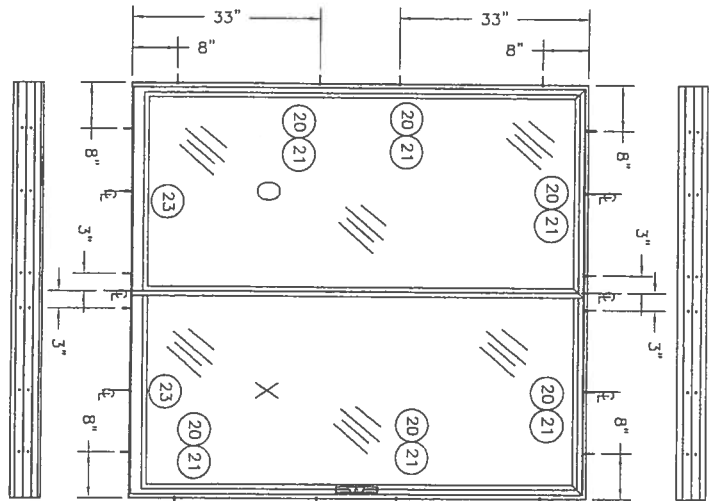
Approved for use with the
 03/12/03
 NDA 03-1224.01
 Metal Deck System
 by *Lyndon F. Schmidt*

DATE: 12/18/03
 SCALE: N.T.S.
 DMC: BT: T.J.H.
 CHK: BY: RW
 DRAWING NO.: S-2425
 SHEET 3 OF 5

NO.	DATE	REVISIONS	BY

PRODUCT:
 NON-IMPACT ALUMINUM
 SLIDING PATIO DOOR
 UP TO 6'0" x 6'8"
 PART OR ASSEMBLY:
 HORIZONTAL CROSS
 SECTIONS

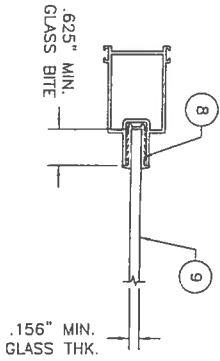
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No: 813.659.8197
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409



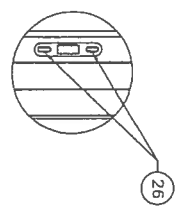
6'0" x 6'8" PATIO DOOR
SEE NOTES SHT. 4

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

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



5/32" TEMPERED GLASS
GLAZING DETAIL



DETAIL B
JAMB KEEPER ATTACHMENT

Approved as representing with this Building Consultant's Seal Building Consultant Lyndon F. Schmidt, P.E. No. 9813 By: <i>Lyndon F. Schmidt</i>		DATE: 12/18/03 SCALE: N.T.S. DWG. BY: TJH CHK. BY: RW DRAWING NO.: S-2425 SHEET 4 OF 5
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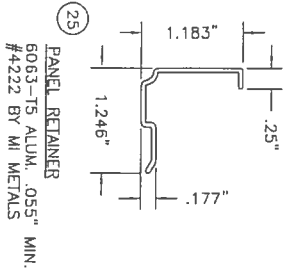
NO.	DATE	REVISIONS	BY

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

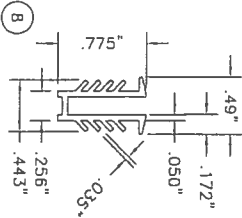
PART OR ASSEMBLY:
ANCHORING LOCATIONS
& GLAZING DETAILS

Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
 P.O. Box 230 Valrico FL 33595
 Phone No.: 813.858.2187
 Florida Board of Professional Engineers
 Certificate Of Authorization No. 9813
 12/22/03
 Lyndon F. Schmidt, P.E. NO. 43409

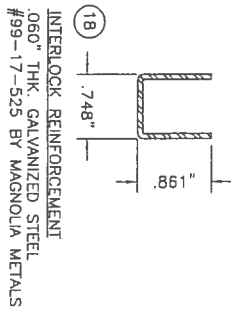
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUM. MAIN FRAME HEAD #4208 BY MI METALS	ALUM.
2	EXTRUDED ALUM. MAIN FRAME SILL #4235 BY MI METALS	ALUM.
3	EXTRUDED ALUM. MAIN FRAME JAMB #4210 BY MI METALS	ALUM.
4	EXTRUDED ALUM. PANEL SILL #4200 BY MI METALS	ALUM.
5	EXTRUDED ALUM. PANEL HEAD #4202 BY MI METALS	ALUM.
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	MORTISE 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" JAPCON 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" JAPCON 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



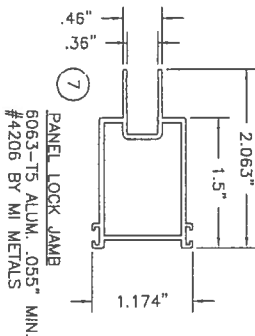
(25) PANEL RETAINER
6063-T5 ALUM. .055" MIN.
#4222 BY MI METALS



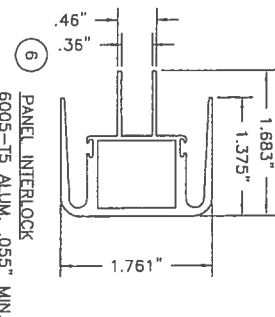
(8) GLAZING CHANNEL
V-FLEX
#80-02-4202
BY MI PLASTICS



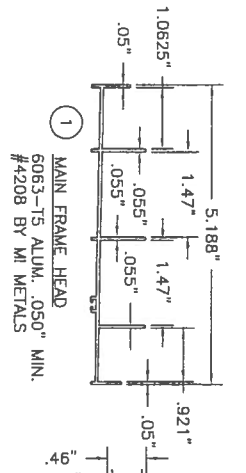
(18) INTERLOCK REINFORCEMENT
.060" THK. GALVANIZED STEEL
#99-17-525 BY MAGNOLIA METALS



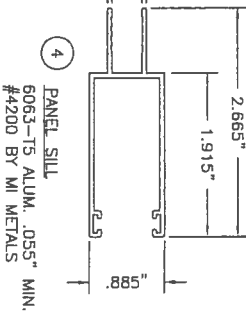
(7) PANEL LOCK JAMB
6063-T5 ALUM. .055" MIN.
#4206 BY MI METALS



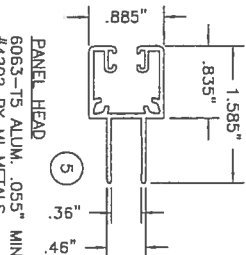
(6) PANEL INTERLOCK
6005-T5 ALUM. .055" MIN.
#4204 BY MI METALS



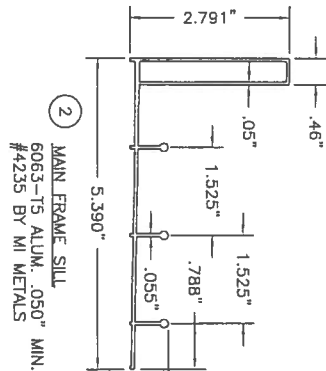
(1) MAIN FRAME HEAD
6063-T5 ALUM. .050" MIN.
#4208 BY MI METALS



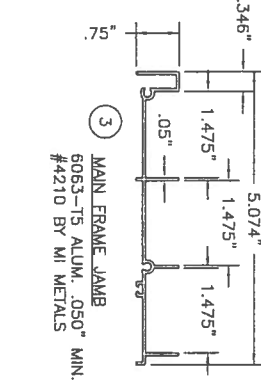
(4) PANEL SILL
6063-T5 ALUM. .055" MIN.
#4200 BY MI METALS



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



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



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

Approved as submitted with this drawing by the Designer:

DATE: 12/18/03

SCALE: N.T.S.

DWG. BY: T.J.H.

CHK. 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 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



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

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

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

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

[Signature]
03/23/06



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

Clopay Building Products Co.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

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

B. TESTS

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

C. CALCULATIONS

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

D. MATERIAL CERTIFICATIONS

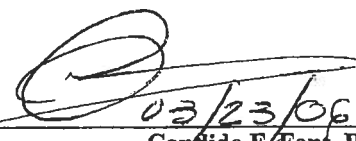
1. *Test report of Tensile Test per ASTM E 8, report No. HETI 94-T59, prepared by Hurricane Engineering & Testing, Inc., dated 02/06/95, signed and sealed by H.M. Medina, PE.*
2. *Test report of Salt Spray Test per ASTM D1654 & ASTM B117, report No. 9EM-1144, prepared by Q.C. Metallurgical, Inc., dated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

E. STATEMENTS.

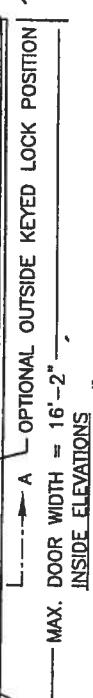
1. *Affidavit of yield strength compliance prepared by R. D. Shifflett employed by Clopay Building Products Co., notarized on 01/11/2001 by B. H. Schuler.*

F. QUALITY ASSURANCE.

1. *Building Code Compliance Office.*

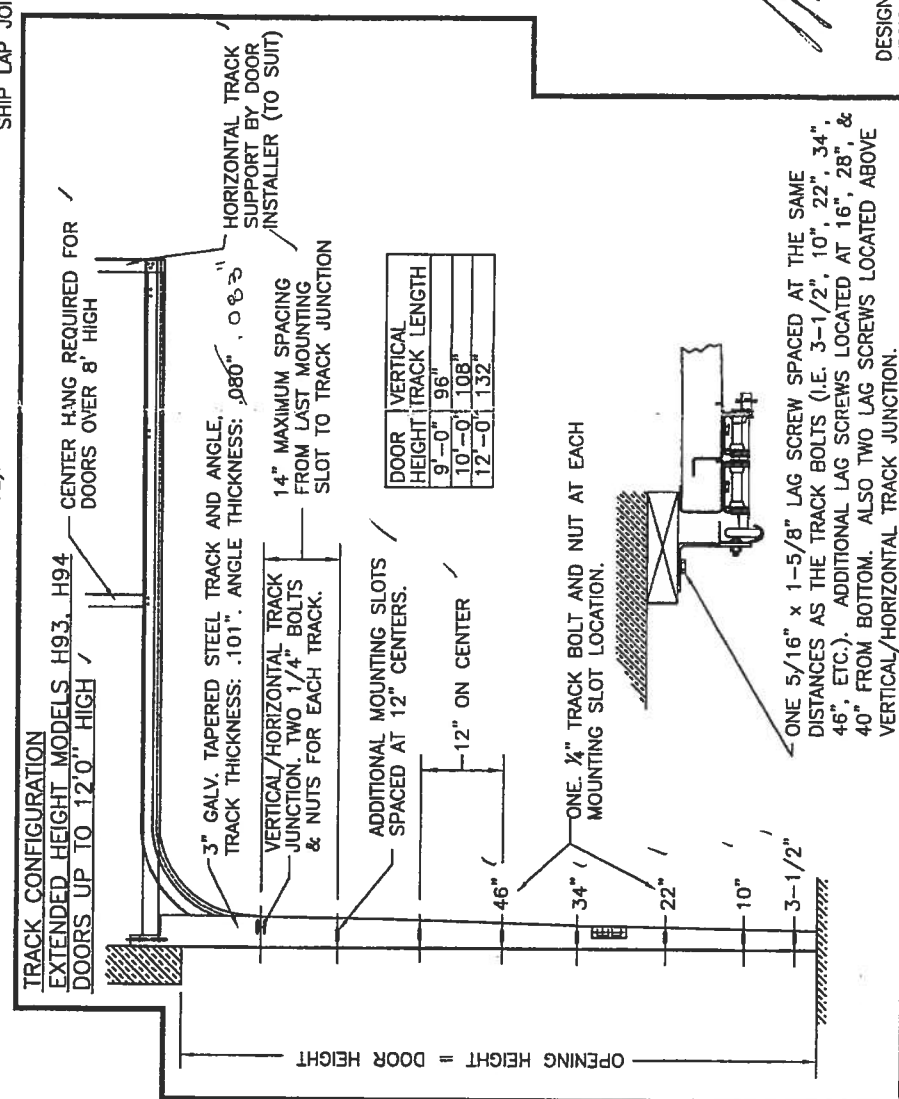

03/23/06
Candido F. Font, PE.
Senior Product Control Division
NOA No 05-1212.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006

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



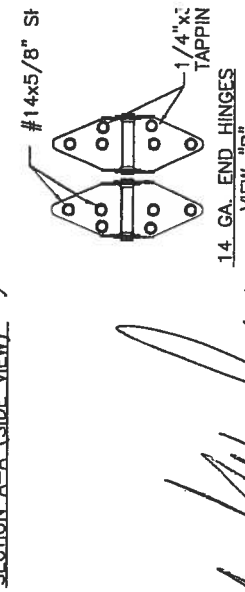
MAX. DOOR WIDTH = 16'-2" ———— A ———— OPTIONAL OUTSIDE KEYED LOCK POSITION ———— INSIDE ELEVATIONS

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).



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

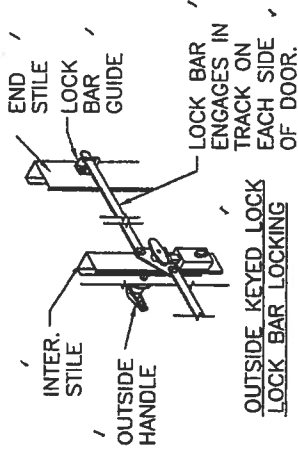
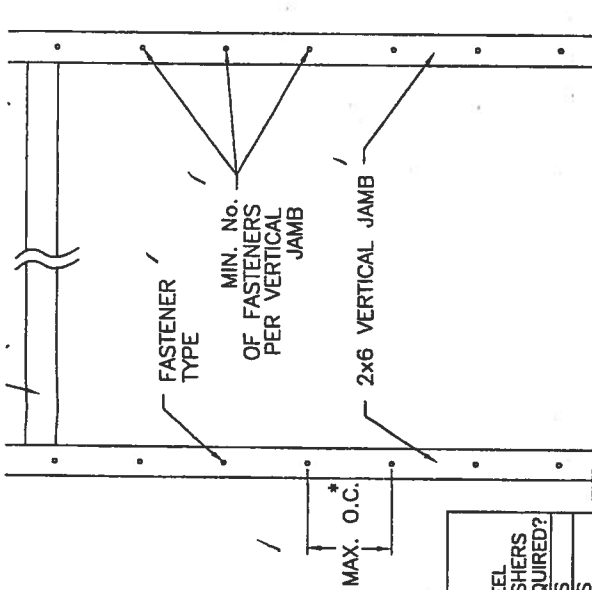
ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34", 46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28" & 40" FROM BOTTOM. ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.



16/04

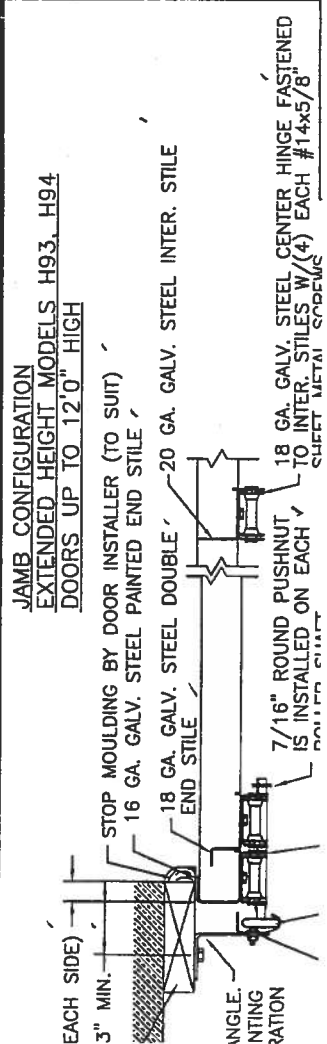
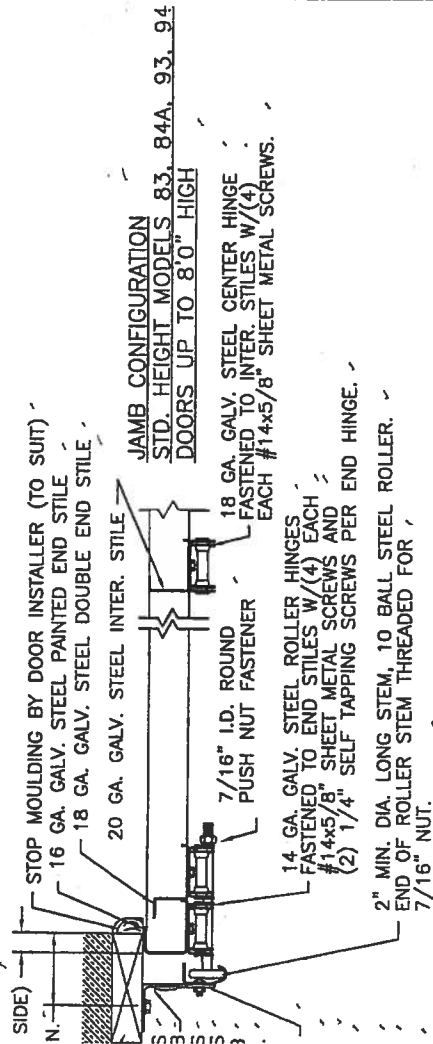
DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F. (MODELS 83, 84A, 93,
DESIGN LOADS: +46.6 P.S.F. & -51.7 P.S.F. (MODELS H93, H94)

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



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



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

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

PRODUCT RETENTION
an complying with the Florida Building Code
Acceptance No. 05-1212
Registration Date 05/22/04
137
Florida Building Code
Mark W. Westerfield, P.E.
DESIGN ENGINEER
MARK W. WESTERFIELD, P.E.
FLORIDA REGISTRATION No. 48495

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

Location: _____

Project Name: _____

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242.1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS	Alenco	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			
1. Siding			FL 889.122
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	EIK	30 yr shingles	728.4
2. Underlayments			FL 1814.5
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			

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

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

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

Just Miley

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Location

Permit # (FOR STAFF USE ONLY)

Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Cannon Creek - Lot #11

Code Only
Professional Version
Climate: North

11/13/2007

Building Loads			
Base		As-Built	
Summer:	23348 points	Summer:	20183 points
Winter:	18484 points	Winter:	16453 points
Hot Water:	7273 points	Hot Water:	7273 points
Total:	49105 points	Total:	43908 points

Energy Use			
Base		As-Built	
Cooling:	7588 points	Cooling:	4943 points
Heating:	10240 points	Heating:	6817 points
Hot Water:	7905 points	Hot Water:	7737 points
Total:	25733 points	Total:	19497 points

PASS
e-Ratio: 0.76