Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0710-25 Date Received 10/12 By JW/JTH Permit # 26364

Application Approved by - Zoning Official BLK Date 24.10.07 Plans Examiner OK JTH Date 10-15-07

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments ~~Need E.H.~~ / NOC MH to be removed

Site Plan on Plans

Applicants Name Jim & Joye Brown Phone 386 755 9037 FAX:

Address 1043 SE CR 18, Lake City, Fl 32024

Owners Name Jim & Joye Brown Phone 386 755 9037

911 Address 1043 SE CR 18, Lake City, Fl 32024

Contractors Name Jim Brown Phone 386 755 9037

Address 1043 SE CR 18, Lake City, Fl 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Freeman Design Group - 161 NW Madison St. Ste #10 Lake City, Fl 32055

Mortgage Lenders Name & Address N/A

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

Property ID Number 23-6S-17-09752-000 Estimated Cost of Construction $265,000

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions S. on US 441 to SE CR 18. Go E. approx. 0.9 mile to paved drive on the left.

Type of Construction Residential-S70 Number of Existing Dwellings on Property 1

Total Acreage 77 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 1158' Side 243' Side 946' Rear 1088'

Site Plan

Total Building Height less than 35 Ft. Number of Stories 2 Heated Floor Area 4065 sf Roof Pitch 12

TOTAL 5,667

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

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

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

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number ____

Competency Card Number ____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

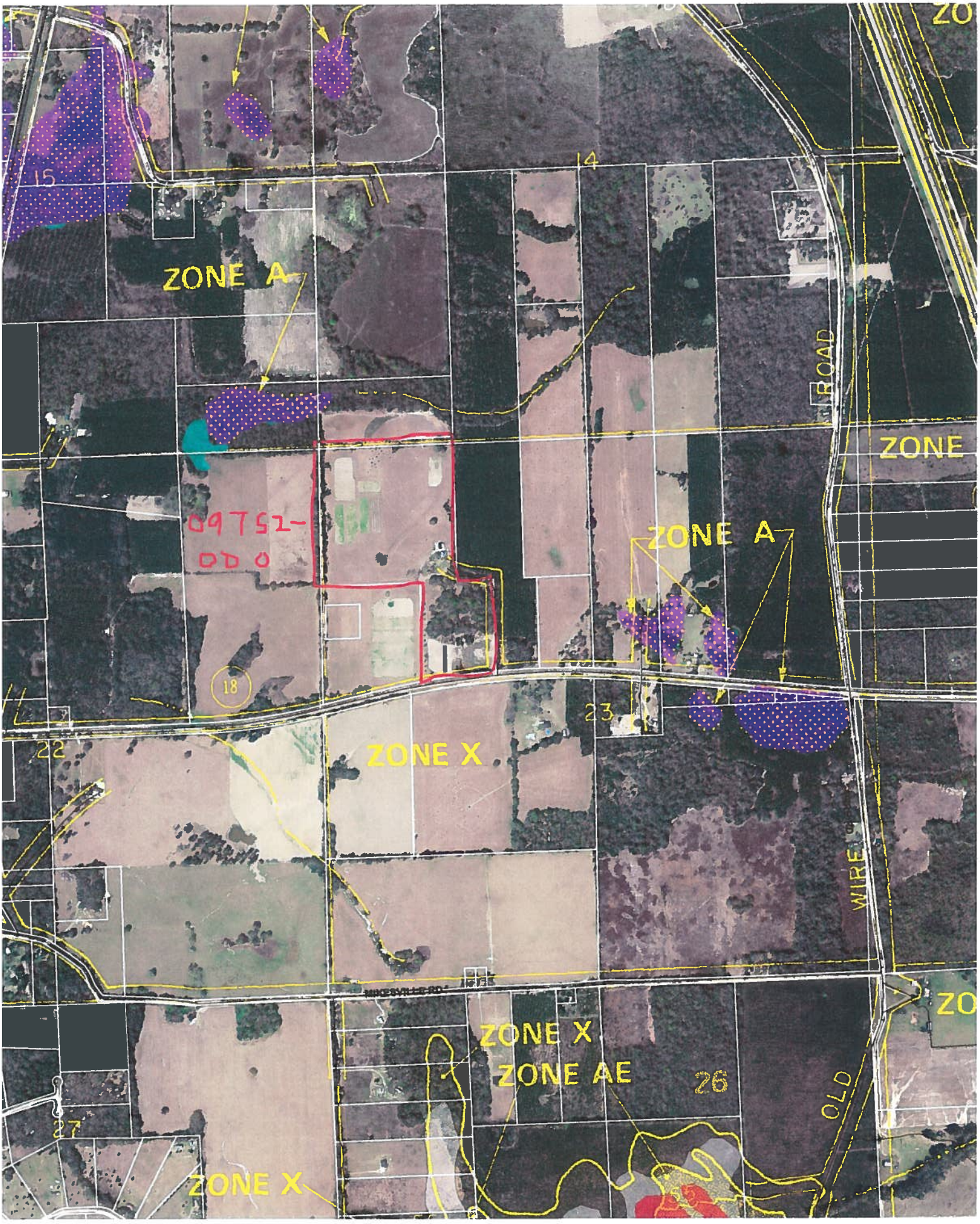
Sworn to (or affirmed) and subscribed before me this 12 day of October 2007.

Personally known ____ or Produced Identification X

Notary Signature

CONNIE F. SCOTT
MY COMMISSION # DD 559203
EXPIRES: June 1, 2010
Bonded Thru Notary Public Underwriters

I Left me


ZONE A
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542.50

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Grantee #1 S.S. No. 264-68-7589

Grantee #2 S.S. No. 262-17-8942

Property Appraiser's
Parcel Identification No.
23-6S-[redacted] and

OR 0785 PG 1656

OFFICIAL RECORDS

DOCUMENTARY STAMP # 542.50
INTANGIBLE TAX
P. DeWITT CASON CLERK OF
COURTS, COLUMBIA COUNTY
BY [signature] D.C.

WARRANTY DEED

THIS INDENTURE, made this 31st day of January, 1994, BETWEEN CLIFFORD G. DICKS and his wife, HILMER JEAN DICKS, whose post office address is Route 2, Box 274, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantor*, and JAMES T. BROWN, JR. and his wife, JOYE H. BROWN, whose post office address is Route 3, Box 190, Lake City, Florida 32055, of the County of Columbia, State of Florida, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars ($10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 6 SOUTH - RANGE 17 EAST

SECTION 23: A part of the NW 1/4 of Section 23, Township 6 South, Range 17 East, more particularly described as follows: Begin at the NW Corner of said Section 23 and run N 89°35'36"E along the North Line of said NW 1/4 a distance of 1299.62 feet to the NE Corner of the NW 1/4 of the NW 1/4 of said Section 23; thence S 0°44'29"W along the East Line of said NW 1/4 of the NW 1/4 a distance of 1335.31 feet to the SE Corner of said NW 1/4 of the NW 1/4; thence N 89°28'58"E 353.10 feet; thence S 0°27'49"W 897.14 feet to a point on a curve, said point being also on the North right-of-way line of State Road No. 18; thence Southwesterly along said North right-of-way line on a curve to the left having a radius of 7689.49 feet and an included angle of 5°18'15" for an arc distance of 711.87 feet; thence N 0°44'29"E 968.15 feet; thence S 89°28'58"W 957.03 feet to the SW Corner of said NW 1/4 of the NW 1/4; thence N 1°01'E along the West Line of said NW 1/4 a distance of 1337.98 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

ALSO:

TOWNSHIP 6 SOUTH - RANGE 17 EAST

SECTION 14: A part of the SW 1/4 of Section 14, Township 6 South, Range 17 East, more particularly described as follows: Begin at the SW Corner of said Section 14 and run N 0°18'50"E along the West Line of said SW 1/4 a distance of 67.00 feet; thence N 89°35'36"E 1300.01 feet; thence S 0°38'50"W 67.01 feet to the SE Corner of the SW 1/4 of the SW 1/4; thence S 89°35'36"W along the South Line of said SW 1/4 of the SW 1/4 a distance of 1299.62 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

(First Witness)
Terry McDavid
Printed Name

(Second Witness)
Myrtle Ann McElroy
Printed Name

Clifford G. Dicks (SEAL)

Hilmer Jean Dicks (SEAL)

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 31st day of January 1994, by CLIFFORD G. DICKS and his wife, HILMER JEAN DICKS, who are personally known to me and who did not take an oath.

Notary Public
My Commission Expires:_____

MYRTLE ANN McELROY
Notary Public, State of Florida
My Comm. expires Feb 12, 1995
Comm No CC 071471

P- 0785 PG 1657

OFFICIAL RECORDS

94-01300

FILED IN PUBLIC RECORDS OF COLUMBIA COUNTY, FL.
1994 JAN 31 PM 1:38
CLERK OF CIRCUIT COURTS
COLUMBIA COUNTY, FLORIDA
BY Myrtle Ann McElroy D.C.

FORM 600A-2004R EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**Brown Residence**	Builder:	Brown
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	26364
Owner:	**Jim and Joye Brown**	Jurisdiction Number:	221000
Climate Zone:	**South**		

1.	New construction or existing	New	
2.	Single family or multi-family	Single family	
3.	Number of units, if multi-family	1	
4.	Number of Bedrooms	3	
5.	Is this a worst case?	Yes	
6.	Conditioned floor area (ft²)	4458 ft²	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)		
a.	U-factor: (or Single or Double DEFAULT)	7a. (Dble Default) 442.0 ft²	
b.	SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 442.0 ft²	
8.	Floor types		
a.	Slab-On-Grade Edge Insulation	R=0.0, 316.0(p) ft	
b.	N/A		
c.	N/A		
9.	Wall types		
a.	Frame, Wood, Exterior	R=13.0, 3400.0 ft²	
b.	N/A		
c.	N/A		
d.	N/A		
e.	N/A		
10.	Ceiling types		
a.	Single Assembly	R=30.0, 6060.0 ft²	
b.	N/A		
c.	N/A		
11.	Ducts		
a.	Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 117.0 ft	
b.	N/A		
12.	Cooling systems		
a.	Central Unit/Split	Cap: 48.0 kBtu/hr SEER: 13.00	
b.	N/A		
c.	N/A		
13.	Heating systems		
a.	Electric Heat Pump/Split	Cap: 48.0 kBtu/hr HSPF: 7.70	
b.	N/A		
c.	N/A		
14.	Hot water systems		
a.	Electric Resistance	Cap: 20.0 gallons EF: 0.94	
b.	N/A		
c.	Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15.	HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	PT, CF.	

Glass/Floor Area: 0.10

Total as-built points: 44021

Total base points: 49275

PASS

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

PREPARED BY: Debbie Mates

DATE: 5-23-07

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 Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	4458.0	30.53	24498.0	1.Double, Clear	W	7.0	6.0	126.0	61.59	0.52	4063.0	
				2.Double, Clear	W	7.0	6.0	64.0	61.59	0.52	2063.0	
				3.Double, Clear	W	7.0	6.0	36.0	61.59	0.52	1160.0	
				4.Double, Clear	W	7.0	6.0	24.0	61.59	0.52	773.0	
				5.Double, Clear	E	7.0	6.0	126.0	68.60	0.49	4234.0	
				6.Double, Clear	E	7.0	6.0	15.0	68.60	0.49	504.0	
				7.Double, Clear	N	1.0	6.0	15.0	31.93	0.98	467.0	
				8.Double, Clear	S	1.0	6.0	36.0	58.45	0.96	2011.0	
				As-Built Total:				**442.0**			**15275.0**	

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	3400.0	2.40	8160.0
Exterior	3400.0	2.70	9180.0					
Base Total:	**3400.0**		**9180.0**	**As-Built Total:**		**3400.0**		**8160.0**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	15.0	6.40	96.0
Exterior	103.0	6.40	659.2	2.Exterior Insulated	75.0	6.40	480.0
				3.Exterior Insulated	13.0	6.40	83.2
Base Total:	**103.0**		**659.2**	**As-Built Total:**	**103.0**		**659.2**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	3945.0	2.80	11046.0	1. Single Assembly	30.0	6060.0	7.27 X 1.00	44056.2
Base Total:	**3945.0**		**11046.0**	**As-Built Total:**		**6060.0**		**44056.2**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	316.0(p)	-20.0	-6320.0	1. Slab-On-Grade Edge Insulation	0.0	316.0(p	-20.00	-6320.0
Raised	0.0	0.00	0.0					
Base Total:			**-6320.0**	**As-Built Total:**		**316.0**		**-6320.0**

INFILTRATION	Area X	BSPM	= Points	Area X	SPM	= Points
	4458.0	18.79	83765.8	4458.0	18.79	83765.8

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,	PERMIT #:

BASE			AS-BUILT					
Summer Base Points:122829.0			**Summer As-Built Points:**					**145596.2**
Total Summer Points	X System Multiplier	= Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points
			(sys 1: Central Unit 48000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)					
			145596	1.00	(1.00 x 1.165 x 0.90)	0.260	0.902	35821.1
122829.0	**0.3250**	**39919.4**	**145596.2**	**1.00**	**1.048**	**0.260**	**0.902**	**35821.1**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	4458.0	3.60	2889.0	1.Double, Clear	W	7.0	6.0	126.0	3.98	1.03	516.0	
				2.Double, Clear	W	7.0	6.0	64.0	3.98	1.03	262.0	
				3.Double, Clear	W	7.0	6.0	36.0	3.98	1.03	147.0	
				4.Double, Clear	W	7.0	6.0	24.0	3.98	1.03	98.0	
				5.Double, Clear	E	7.0	6.0	126.0	3.30	1.13	471.0	
				6.Double, Clear	E	7.0	6.0	15.0	3.30	1.13	56.0	
				7.Double, Clear	N	1.0	6.0	15.0	4.38	1.00	65.0	
				8.Double, Clear	S	1.0	6.0	36.0	3.12	1.00	112.0	
				As-Built Total:				**442.0**			**1727.0**	

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	3400.0	0.60	2040.0
Exterior	3400.0	0.60	2040.0					
Base Total:	**3400.0**		**2040.0**	**As-Built Total:**		**3400.0**		**2040.0**

DOOR TYPES	Area X	BWPM =	Points	Type	Area X	WPM =	Points
Adjacent	0.0	0.00	0.0	1.Exterior Insulated	15.0	1.80	27.0
Exterior	103.0	1.80	185.4	2.Exterior Insulated	75.0	1.80	135.0
				3.Exterior Insulated	13.0	1.80	23.4
Base Total:	**103.0**		**185.4**	**As-Built Total:**	**103.0**		**185.4**

CEILING TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM X WCM =	Points
Under Attic	3945.0	0.10	394.5	1. Single Assembly	30.0	6060.0	0.08 X 1.00	484.8
Base Total:	**3945.0**		**394.5**	**As-Built Total:**		**6060.0**		**484.8**

FLOOR TYPES	Area X	BWPM =	Points	Type	R-Value	Area X	WPM =	Points
Slab	316.0(p)	-2.1	-663.6	1. Slab-On-Grade Edge Insulation	0.0	316.0(p	-2.10	-663.6
Raised	0.0	0.00	0.0					
Base Total:			**-663.6**	**As-Built Total:**		**316.0**		**-663.6**

INFILTRATION	Area X	BWPM =	Points	Area X	WPM =	Points
	4458.0	-0.06	-267.5	4458.0	-0.06	-267.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**4577.8**	**Winter As-Built Points:**					**3506.1**
Total Winter Points	X System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
			(sys 1: Electric Heat Pump 48000 btuh ,EFF(7.7) Ducts:Con(S),Con(R),Int(AH),R6.0					
			3506.1	1.000	(1.000 x 1.137 x 0.91)	0.443	0.950	1526.2
4577.8	**0.5540**	**2536.1**	**3506.1**	**1.00**	**1.035**	**0.443**	**0.950**	**1526.2**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
3		2273.00	6819.0	20.0	0.94	3		1.00	2224.64	1.00	6673.9
				As-Built Total:							**6673.9**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	Heating Points	Hot Water Points	Total Points	Cooling Points	Heating Points	Hot Water Points	Total Points
39919	**2536**	**6819**	**49275**	**35821**	**1526**	**6674**	**44021**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 88.1

The higher the score, the more efficient the home.

Jim and Joye Brown, , , ,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit/Split	Cap: 48.0 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?	Yes			
6.	Conditioned floor area (ft²)	4458 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 442.0 ft²		a. Electric Heat Pump/Split	Cap: 48.0 kBtu/hr
	b. SHGC:				HSPF: 7.70
	(or Clear or Tint DEFAULT) 7b.	(Clear) 442.0 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 316.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 20.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 3400.0 ft²			EF: 0.94
	b. N/A			b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Single Assembly	R=30.0, 6060.0 ft²	15.	HVAC credits	PT, CF,
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Con. Ret: Con. AH: Interior	Sup. R=6.0, 117.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	Brown Residence	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	Jim and Joye Brown	**New/Existing:**	New	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	3	**Subdivision:**	N/A
Builder Name:	(blank)	**Conditioned Area:**	4458	**Platbook:**	N/A
Climate:	South	**Total Stories:**	2	**Street:**	(blank)
Permit Office:	(blank)	**Worst Case:**	Yes	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	270	**City, St, Zip:**	, ,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	0.0	316.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Insulated	Exterior	15.0 ft²	1
2	Insulated	Exterior	25.0 ft²	3
3	Insulated	Exterior	13.0 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Single Assembly	30.0	6060.0 ft²	3945.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity
1	Central Unit/Split	SEER: 13.00	48.0 kBtu/hr

Credit Multipliers: Ceil Fn, PT

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	13.0	3400.0 ft²	1

HEATING

#	System Type	Efficiency	Capacity
1	Electric Heat Pump/Split	HSPF: 7.70	48.0 kBtu/hr

Credit Multipliers: PT

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Double	Clear	N	18.0 ft²	7.0 ft	6.0 ft	7
2	Double	Clear	N	16.0 ft²	7.0 ft	6.0 ft	4
3	Double	Clear	N	36.0 ft²	7.0 ft	6.0 ft	1
4	Double	Clear	N	24.0 ft²	7.0 ft	6.0 ft	1
5	Double	Clear	S	18.0 ft²	7.0 ft	6.0 ft	7
6	Double	Clear	S	15.0 ft²	7.0 ft	6.0 ft	1
7	Double	Clear	E	15.0 ft²	1.0 ft	6.0 ft	1
8	Double	Clear	W	36.0 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	117.0 ft

Credit Multipliers: None

WATER

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

REFR.

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

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	4458.0	**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

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

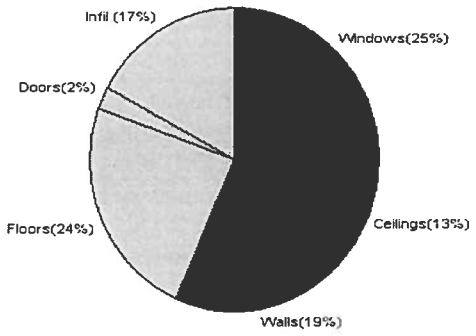
5/23/2007

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	**57411**	**Btuh**	**Total cooling load calculation**	**37173**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	83.6	48000	Sensible (SHR = 0.75)	111.0	36000
Heat Pump + Auxiliary(0.0kW)	83.6	48000	Latent	252.9	12000
			Total (Electric Heat Pump)	129.1	48000

WINTER CALCULATIONS

Winter Heating Load (for 4458 sqft)

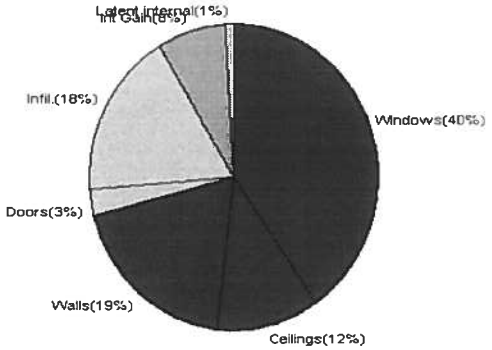
Load component			Load	
Window total	442	sqft	14228	Btuh
Wall total	3400	sqft	11166	Btuh
Door total	103	sqft	1334	Btuh
Ceiling total	6060	sqft	7256	Btuh
Floor total	316	sqft	13797	Btuh
Infiltration	238	cfm	9631	Btuh
Duct loss			0	Btuh
Subtotal			**57411**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**57411**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 4458 sqft)

Load component			Load	
Window total	442	sqft	14901	Btuh
Wall total	3400	sqft	7092	Btuh
Door total	103	sqft	1009	Btuh
Ceiling total	6060	sqft	4354	Btuh
Floor total			0	Btuh
Infiltration	119	cfm	2212	Btuh
Internal gain			2860	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**32429**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4345	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			**4745**	**Btuh**
TOTAL HEAT GAIN			**37173**	**Btuh**



Version 8
For Florida residences only

EnergyGauge® System Sizing
PREPARED BY: Debbie A Mates
DATE: 5-23-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

,

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

5/23/2007

This calculation is for Worst Case. The house has been rotated 45 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NE	126.0	32.2	4056 Btuh
2	2, Clear, Metal, 0.87	NE	64.0	32.2	2060 Btuh
3	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
4	2, Clear, Metal, 0.87	NE	24.0	32.2	773 Btuh
5	2, Clear, Metal, 0.87	SW	126.0	32.2	4056 Btuh
6	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	NW	36.0	32.2	1159 Btuh
	Window Total		442(sqft)		14228 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	3400	3.3	11166 Btuh
	Wall Total		3400		11166 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		15	12.9	194 Btuh
2	Insulated - Exterior		75	12.9	971 Btuh
3	Insulated - Exterior		13	12.9	168 Btuh
	Door Total		103		1334Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Single Assembly/L/Shin	30.0	6060	1.2	7256 Btuh
	Ceiling Total		6060		7256Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	316.0 ft(p)	43.7	13797 Btuh
	Floor Total		316		13797 Btuh
			Envelope Subtotal:		47780 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.32	44580	3400	237.8	9631 Btuh
Ductload				(DLM of 0.000)	0 Btuh
All Zones			**Sensible Subtotal All Zones**		**57411 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

5/23/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	57411 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	57411 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	48000 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
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System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

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

5/23/2007

This calculation is for Worst Case. The house has been rotated 45 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NE	126.0	32.2	4056 Btuh
2	2, Clear, Metal, 0.87	NE	64.0	32.2	2060 Btuh
3	2, Clear, Metal, 0.87	NE	36.0	32.2	1159 Btuh
4	2, Clear, Metal, 0.87	NE	24.0	32.2	773 Btuh
5	2, Clear, Metal, 0.87	SW	126.0	32.2	4056 Btuh
6	2, Clear, Metal, 0.87	SW	15.0	32.2	483 Btuh
7	2, Clear, Metal, 0.87	SE	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	NW	36.0	32.2	1159 Btuh
	Window Total		442(sqft)		14228 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	3400	3.3	11166 Btuh
	Wall Total		3400		11166 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		15	12.9	194 Btuh
2	Insulated - Exterior		75	12.9	971 Btuh
3	Insulated - Exterior		13	12.9	168 Btuh
	Door Total		103		1334Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Single Assembly/L/Shin	30.0	6060	1.2	7256 Btuh
	Ceiling Total		6060		7256Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	316.0 ft(p)	43.7	13797 Btuh
	Floor Total		316		13797 Btuh
			Zone Envelope Subtotal:		47780 Btuh

Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=	
	Natural	0.32	44580	3400	237.8	9631 Btuh
Ductload	Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)(DLM of 0.000)					0 Btuh
Zone #1	**Sensible Zone Subtotal**					**57411 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

5/23/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	57411 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	57411 Btuh

EQUIPMENT

1. Electric Heat Pump/Split	#(Outside) #(Inside)	48000 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

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/23/2007

This calculation is for Worst Case. The house has been rotated 45 degrees.

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	NE	7ft.	6ft.	126.0	0.0	126.0	19	41	5140 Btuh
2	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	64.0	0.0	64.0	19	41	2611 Btuh
3	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	36.0	0.0	36.0	19	41	1468 Btuh
4	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	24.0	0.0	24.0	19	41	979 Btuh
5	2, Clear, 0.87, B-D, N,F	SW	7ft.	6ft.	126.0	126.0	0.0	19	43	2354 Btuh
6	2, Clear, 0.87, B-D, N,F	SW	7ft.	6ft.	15.0	15.0	0.0	19	43	280 Btuh
7	2, Clear, 0.87, B-D, N,F	SE	1ft.	6ft.	15.0	2.0	13.0	19	43	601 Btuh
8	2, Clear, 0.87, B-D, N,F	NW	1ft.	6ft.	36.0	0.0	36.0	19	41	1468 Btuh
	Window Total				442 (sqft)					14901 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	3400.0	2.1	7092 Btuh
	Wall Total		3400 (sqft)		7092 Btuh
Doors	Type		Area (sqft)	HTM	Load
1	Insulated - Exterior		15.0	9.8	147 Btuh
2	Insulated - Exterior		75.0	9.8	735 Btuh
3	Insulated - Exterior		13.0	9.8	127 Btuh
	Door Total		103 (sqft)		1009 Btuh
Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Single Assembly/Light/Shingle	30.0	6060.0	0.7	4354 Btuh
	Ceiling Total		6060 (sqft)		4354 Btuh
Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	316 (ft(p))	0.0	0 Btuh
	Floor Total		316.0 (sqft)		0 Btuh
			Envelope Subtotal:		27356 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)		CFM=	Load
	SensibleNatural	0.16	44580	3400		237.8	2212 Btuh
Internal gain		Occupants	Btuh/occupant			Appliance	Load
		2	X 230	+		2400	2860 Btuh
					Sensible Envelope Load:		32429 Btuh
Duct load					(DGM of 0.000)		0 Btuh
					Sensible Load All Zones		**32429 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

5/23/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32429 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32429 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32429 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4345 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	**4745 Btuh**
	TOTAL GAIN	**37173 Btuh**

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	48000 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

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 5/23/2007

This calculation is for Worst Case. The house has been rotated 45 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	126.0	0.0	126.0	19	41	5140 Btuh
2	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	64.0	0.0	64.0	19	41	2611 Btuh
3	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	36.0	0.0	36.0	19	41	1468 Btuh
4	2, Clear, 0.87, B-D, N,F	NE	7ft.	6ft.	24.0	0.0	24.0	19	41	979 Btuh
5	2, Clear, 0.87, B-D, N,F	SW	7ft.	6ft.	126.0	126.0	0.0	19	43	2354 Btuh
6	2, Clear, 0.87, B-D, N,F	SW	7ft.	6ft.	15.0	15.0	0.0	19	43	280 Btuh
7	2, Clear, 0.87, B-D, N,F	SE	1ft.	6ft.	15.0	2.0	13.0	19	43	601 Btuh
8	2, Clear, 0.87, B-D, N,F	NW	1ft.	6ft.	36.0	0.0	36.0	19	41	1468 Btuh
	Window Total				442 (sqft)					14901 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	3400.0	2.1	7092 Btuh
	Wall Total		3400 (sqft)		7092 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	15.0	9.8	147 Btuh
2	Insulated - Exterior	75.0	9.8	735 Btuh
3	Insulated - Exterior	13.0	9.8	127 Btuh
	Door Total	103 (sqft)		1009 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Single Assembly/Light/Shingle	30.0	6060.0	0.7	4354 Btuh
	Ceiling Total		6060 (sqft)		4354 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	316 (ft(p))	0.0	0 Btuh
	Floor Total		316.0 (sqft)		0 Btuh
				Zone Envelope Subtotal:	27356 Btuh

Infiltration	Type	ACH	Volume(cuft)	wall area(sqft)	CFM=	Load
	SensibleNatural	0.16	44580	3400	118.9	2212 Btuh

Internal gain	Occupants	Btuh/occupant		Appliance	Load
	2	X 230	+	2400	2860 Btuh
				Sensible Envelope Load:	32429 Btuh

Duct load		
Average sealed, Supply(R6.0-Cond.), Return(R6.0-Cond)	(DGM of 0.000)	0 Btuh
	Sensible Zone Load	**32429 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Jim and Joye Brown

Project Title:
Brown Residence

Code Only
Professional Version
Climate: South

5/23/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**32429 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**32429 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**32429 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4345 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	**4745 Btuh**
	TOTAL GAIN	**37173 Btuh**

EQUIPMENT

1. Central Unit/Split	#(Outside) #(Inside)	48000 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

Jim and Joye Brown

Project Title:
Brown Residence

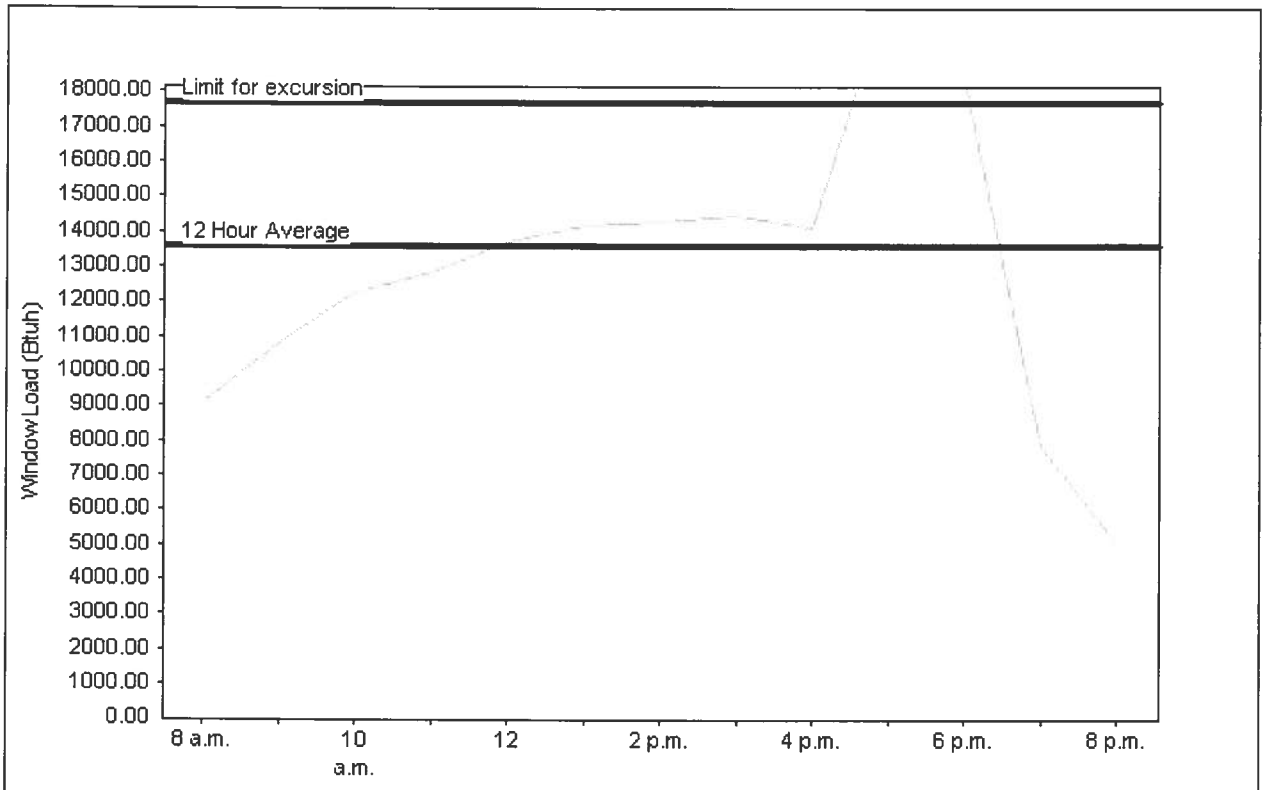
Code Only
Professional Version
Climate: South

5/23/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	13582 Btu
Summer setpoint	75 F	Peak window load for July	21196 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	17656 Btu
Latitude	29 North	Window excursion (July)	3539 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY: Debbie Mobes
DATE: 5-23-07

NOTORIZED DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under a exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

(X) Single Family Dwelling
( ) Farm Outbuilding
( ) Two-Family Residence
( ) Other_____

NEW CONSTRUCTION OR IMPROVEMENT

(X) New Construction
( ) Addition, Alteration, Modification or other Improvement

I Jim Brown, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

J Brown Jr 10/12/07
Owner Builder Signature Date

The above signer is personally known to me or
produced identification _____

Notary Signature _____ Date _____ (Stamp / Seal)

FOR BUILDING USE ONLY

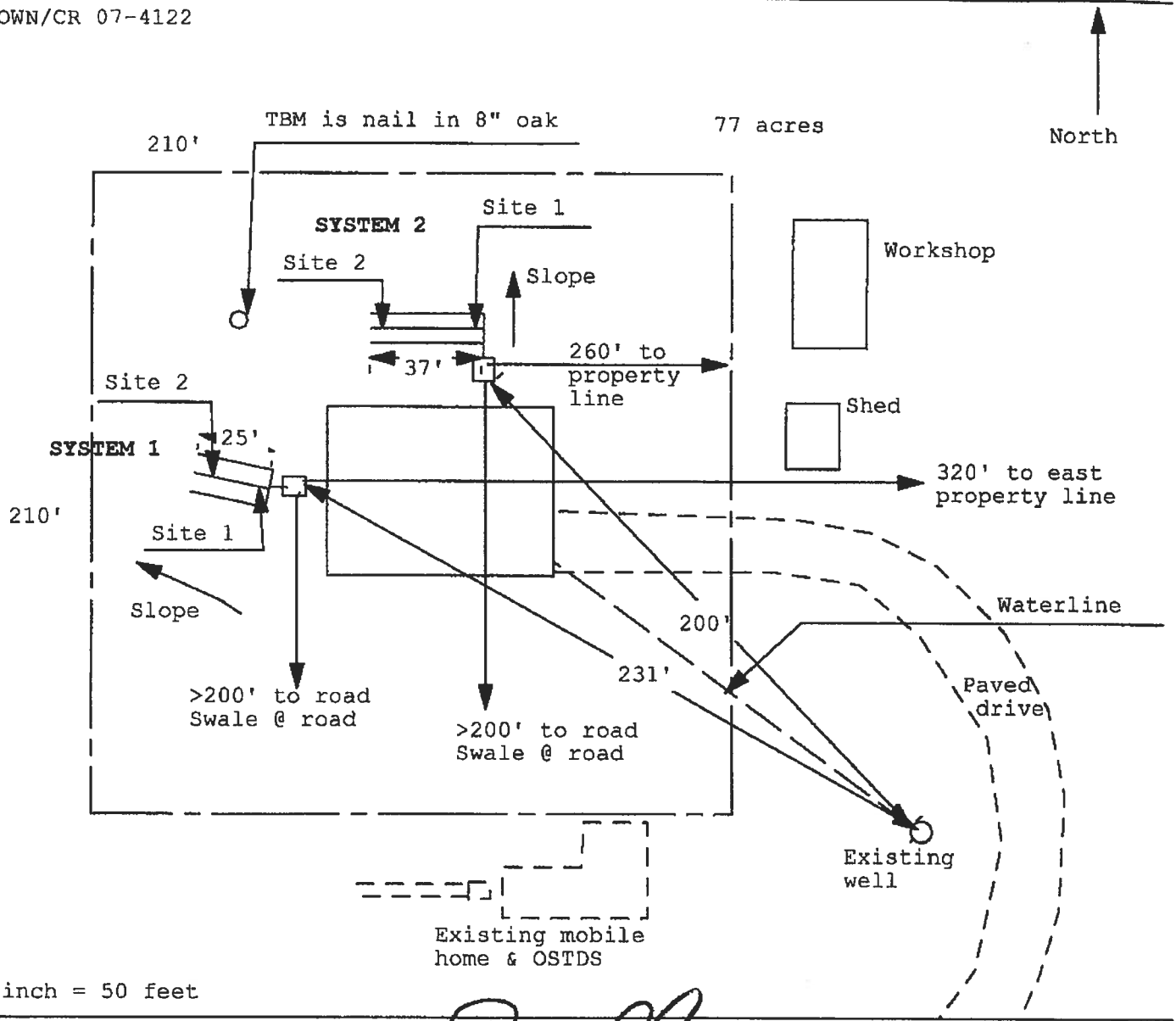
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).
Date_____ Building Official/Representative_____

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

Permit Application Number: 07-0788N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

BROWN/CR 07-4122



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 9/27/07

Plan Approved ____ **Not Approved** ____ **Date** ____

By Mark S Zander ENV. Mgr 10/19/07 **CPHU**

Notes: ____

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.

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.

Tax Parcel ID Number 23-6S-17-09752-000

26364

1. Description of property: (legal description of the property and street address or 911 address)

Description attached.

1043 SE CR 18

Inst:200812001390 Date:1/23/2008 Time:1:08 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2

2. General description of improvement: House (New Construction)

3. Owner Name & Address James & Joye Brown, 1043 SE CR 18, Lake City 32024

Interest in Property

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name ~~[illegible]~~ Jim Brown Phone Number 755-9037
Address 1043 SE CR 18 Lake City, FL 32024

6. Surety Holders Name N/A Phone Number
Address
Amount of Bond

7. Lender Name N/A Phone Number
Address

8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Phone Number
Address

9. In addition to himself/herself the owner designates of
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) –
(a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified)

NOTICE AS PER CHAPTER 713, Florida Statutes:
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Signature of Owner

Sworn to (or affirmed) and subscribed before day of January 23, 2008

NOTARY STAMP/SEAL

BETTY J. KNAPP
Commission DD 641236
Expires May 14, 2011
Bonded Thru Troy Fain Insurance 800-385-7019

Betty J. Knapp
Signature of Notary

26364

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
4784 Rosselle St., Jacksonville, FL 32254 • Tel(904)381-8901 • Fax(904)381-8902
2230 Greensboro Hwy • Quincy, FL 32351 • Tel(850)442-3495 • Fax(850)442-4008

REPORT OF IN-PLACE DENSITY TEST

JOB NO.: 08-00059-01
DATE TESTED: 1/17/08
DATE REPORTED: 1/17/08

PROJECT:	Brown Residence, Lake City, FL
CLIENT:	Richardson Site Prep, P.O. Box 549, Fort White, FL 32038
GENERAL CONTRACTOR:	Richardson Site Prep
EARTHWORK CONTRACTOR:	Richardson Site Prep
INSPECTOR:	Pam Geiger

ASTM METHOD: (D-2922) Nuclear
SOIL USE: BUILDING FILL
SPECIFICATION REQUIREMENTS: 95%

TEST NO.		TEST LOCATION	LIFT	TEST DEPTH	WET DENSITY (lb/ft³)	MOISTURE PERCENT	DRY DENSITY (lb/ft³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
1		12' South x 28' East of NW Corner	1	12"	109.4	7.9	101.4	**	103.1	98%
2		24' North x18' East of SW Corner	1	12"	111.5	6.9	104.3	**	103.1	101%
3		16' North x 20' West of NE Corner	1	12"	111.7	8.0	103.4	**	103.1	100%
4		14' South x 46' West of SE Corner	2	12"	110.6	6.8	103.6	**	103.1	100%
5		10' South x 50' East of NW Corner	2	12"	110.6	8.0	102.4	**	103.1	99%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

PROCTOR NO.		SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft³)	OPT. MOIST.	TYPE
**		Light Brown Fine Sand (Richardson Pit - Ft. White)	103.1	10.8	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer, CEO, DBE

Linda M. Creamer
President - CEO
ee

Reviewed By:

Date: 1/17/08
Licensed, Florida No: 57842

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

*26364

Freeman Design Group inc
Engineers · Planners

128 SW Nassau St
Lake City, FL 32025
Phone 386-758-4209
Fax 386-758-4290

9/18/08

James Brown
1043 SE C.R. 18
Lake City, Fl. 32024

Re: Framing inspection

Dear Mr. Brown,

I have completed an on-site inspection for the framing of your new residence and my findings are as follows:

After reviewing the construction documents and the truss layout, I found all roof beams and headers have been properly installed with all load path connections in place with exception to the four locations indicated to you during the site visit. The requirement of a minimum 1000 lbs for an uplift connector can be achieved by placing four Simpson H4 connectors with 4-8d nails to bottom plate and 4-8d nails to the multi-stud column. The anchor bolt is within 6" of the column. All other exterior wall connectors and threaded rods have been installed correctly per construction documents. All exterior posts, headers, and trusses have been installed and connected per construction documents. As we discussed on site, the gable walls were balloon framed with 2x6 studs @ 16" o.c. to create the proper gable diaphragm. The installation of cross bracing every 20 feet along the ridge kneewall is recommended to help stiffen the overall roof structure. I certify that the framing has been completed in compliance with plans and specifications per construction documents. Please call me if you have any questions. I may be reached at (386) 758-4209.

Sincerely,

William H. Freeman

William H. Freeman, P.E.
C.O.A. #8701

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

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

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

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

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

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

MISSILE IMPACT RATING: None

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Theodore Berman, P.E.**

2/13/2003

PRODUCT CONTROL ACCEPTED

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

MI Home Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

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

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Forced Entry Test, per FBC 2411.3.2.1 and TAS 202-94

   along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Architectural Testing, Inc., Test Report No. **ATI 03056**, dated 11/11/03, signed by Joseph A. Reed, P.E.

C. CALCULATIONS

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

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

G. OTHER

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

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

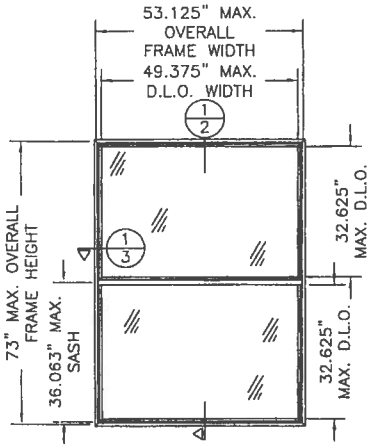
MI HOME PRODUCTS

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

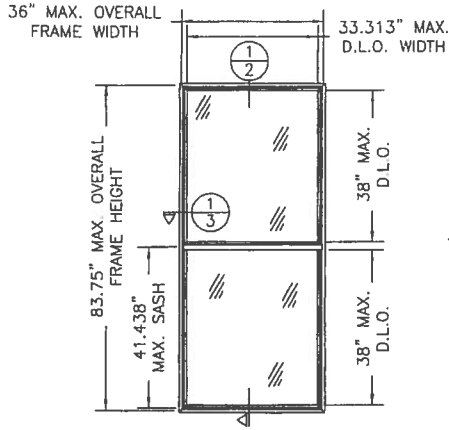
SERIES BETTERBILT D185SH/D3185SH
ALUMINUM SINGLE HUNG WINDOW

GENERAL NOTES:

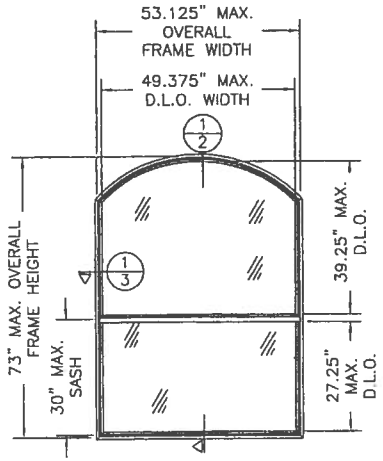
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE "HVHZ" OF THE FLORIDA BUILDING CODE.
2. WOOD BUCKS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE AND TO BE REVIEWED BY BUILDING OFFICIAL.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL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



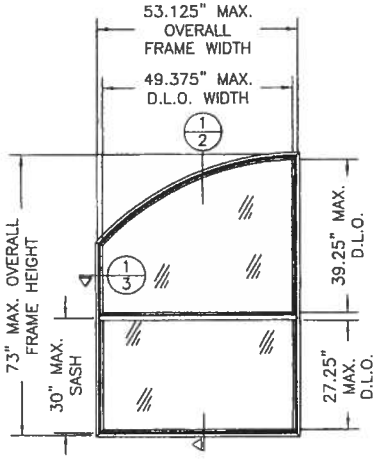
53" x 73" SINGLE HUNG WINDOW



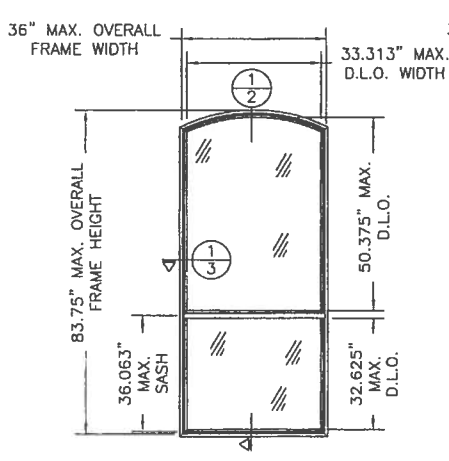
37" x 84" SINGLE HUNG WINDOW



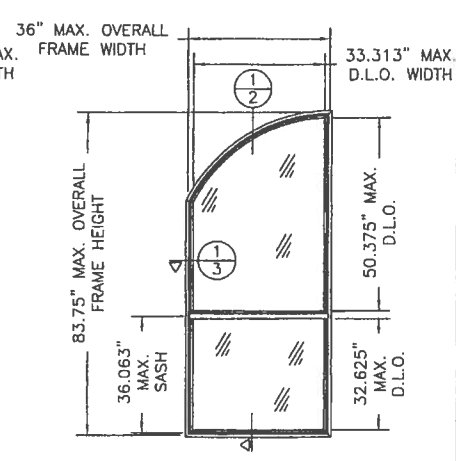
53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



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



37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



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

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

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

ALL ELEVATIONS ARE VIEWED FROM EXTERIOR

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

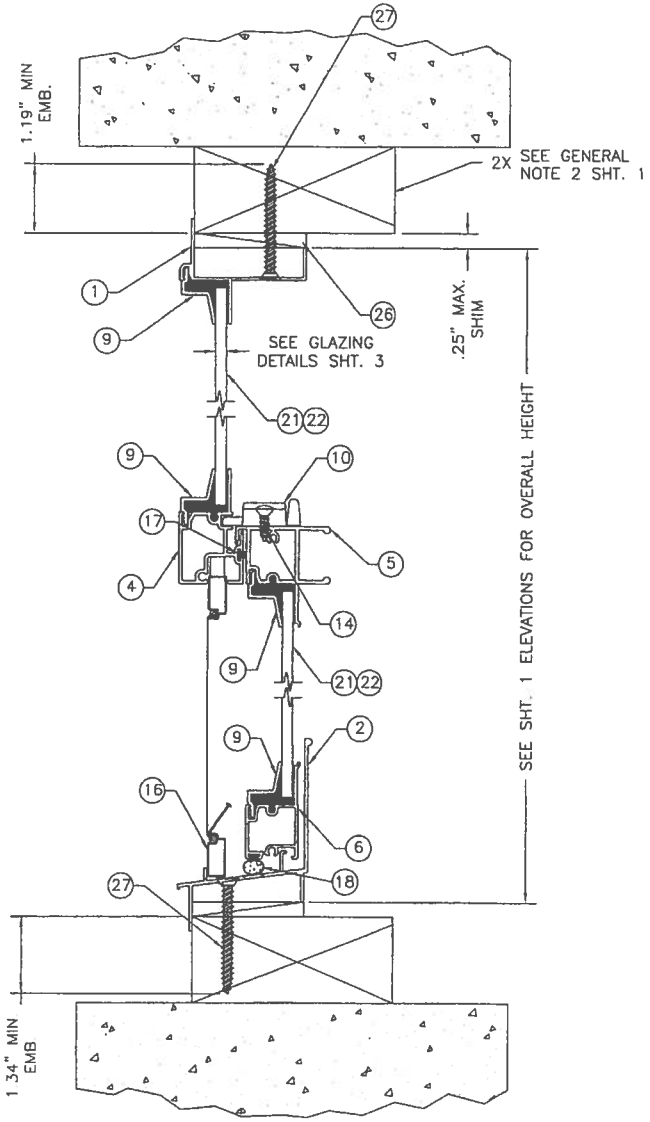
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hicks, P.E. No. 54158

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

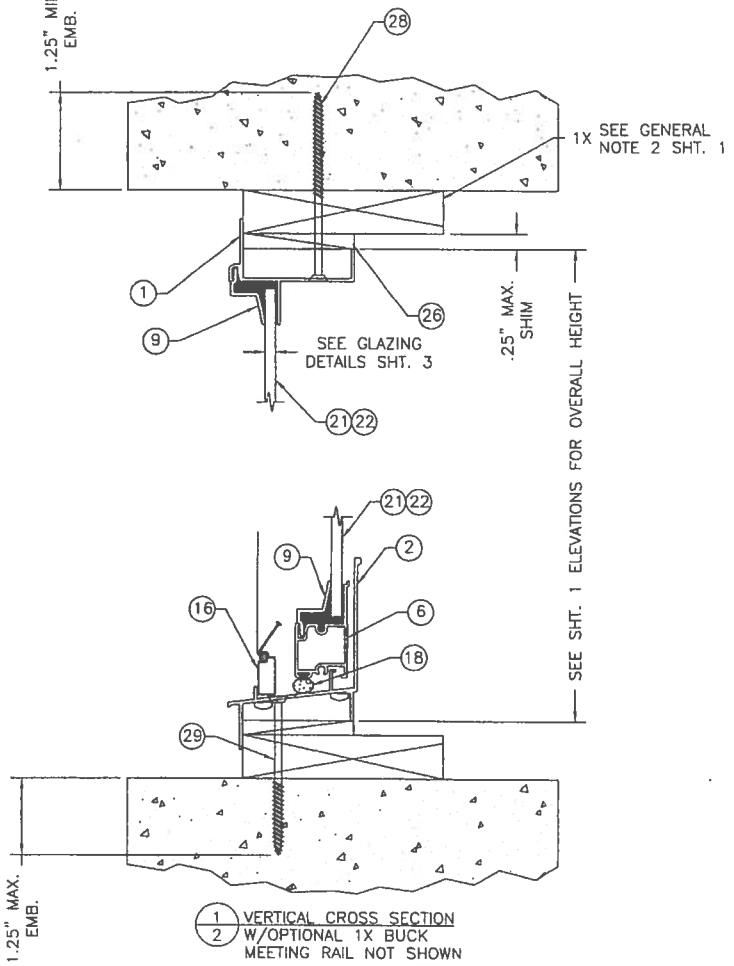
PART OR ASSEMBLY: GENERAL NOTES & TYPICAL ELEVATIONS

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

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



1/2 VERTICAL CROSS SECTION W/2X BUCK



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

Approved as complying with the Florida Building Code
Date 02/04/04
NOA 02-1215.02
Miami-Dade Product Control
Division
By

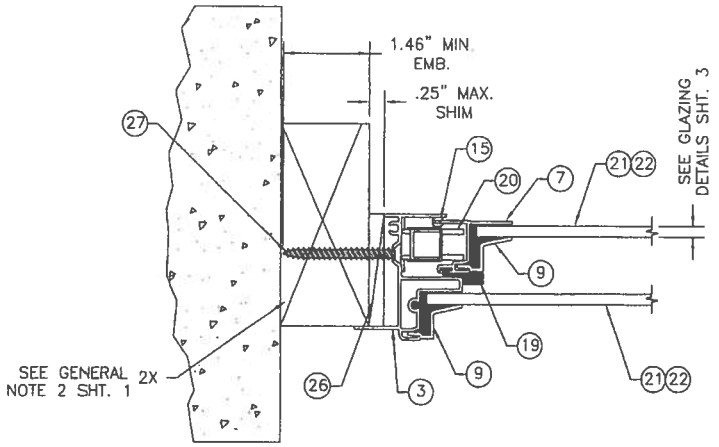
Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC
P.O. Box 230 Valrico, FL 33595
Phone No: 813.659.9197
Florida Board of Professional Engineers
Certificate of Authorization No. 9813
2/10/04
Wendell Hoover, P.E. No. 54128

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

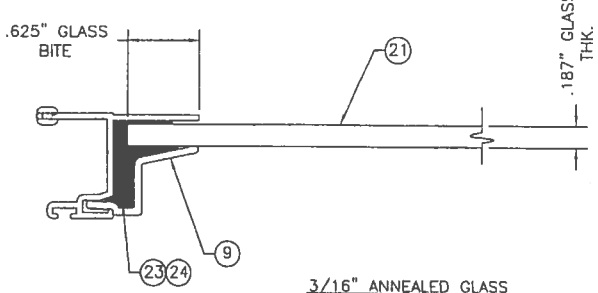
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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

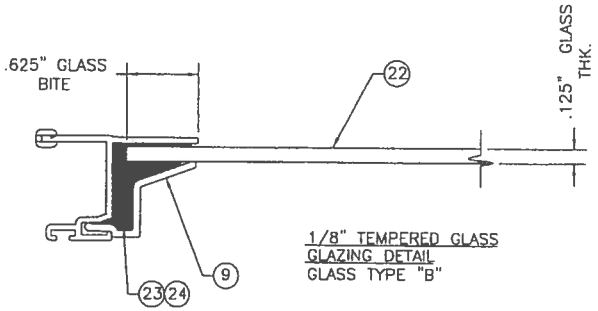
DATE 10/27/03
SCALE. N.T.S.
DWG. BY TJH
CHK BY RW
DRAWING NO S-2422
SHEET 2 OF 5



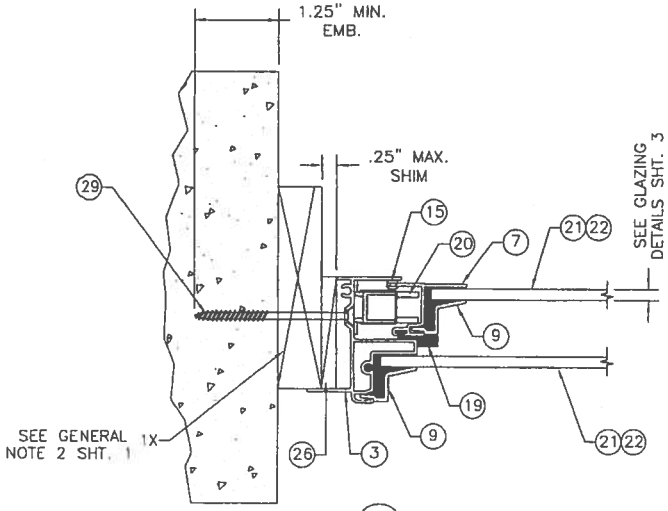
1/3 HORIZONTAL CROSS SECTION
W/2X BUCK



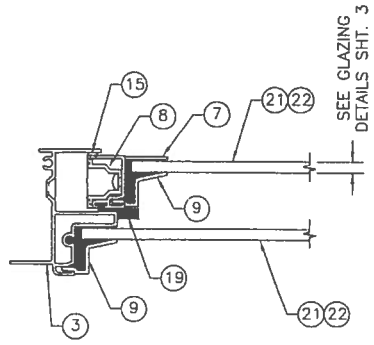
3/16" ANNEALED GLASS
GLAZING DETAIL
GLASS TYPE "A"



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



1/3 HORIZONTAL CROSS SECTION
W/1X BUCK



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

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

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 02-1205.02
Miami-Dade Product Control Division
By

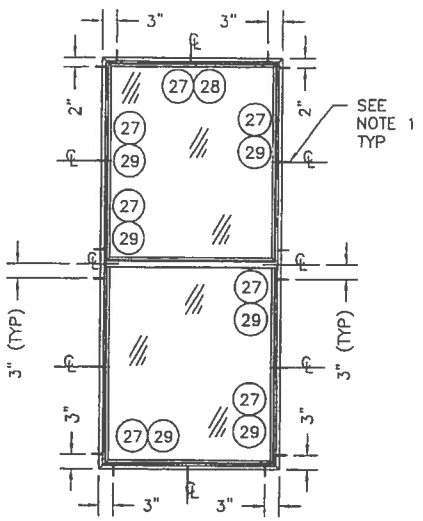
Product Approval Documents Prepared By:
RW BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell Hall, P.E. No. 54158
2/10/04

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

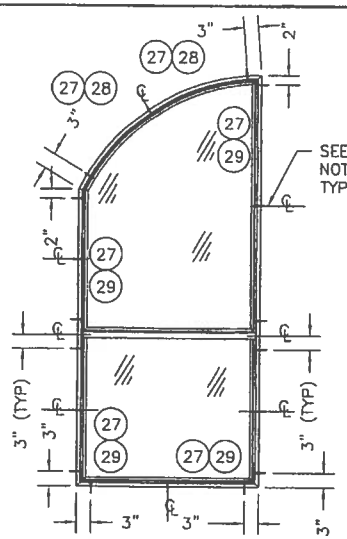
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS & GLAZING DETAILS

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

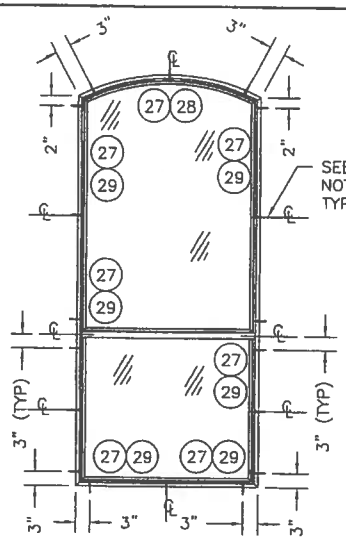
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK BY: RW
DRAWING NO: S-2422
SHEET 3 OF 5



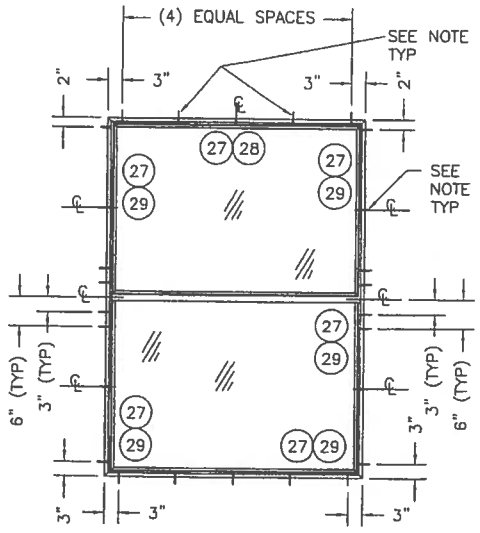
37" x 84" SINGLE HUNG WINDOW



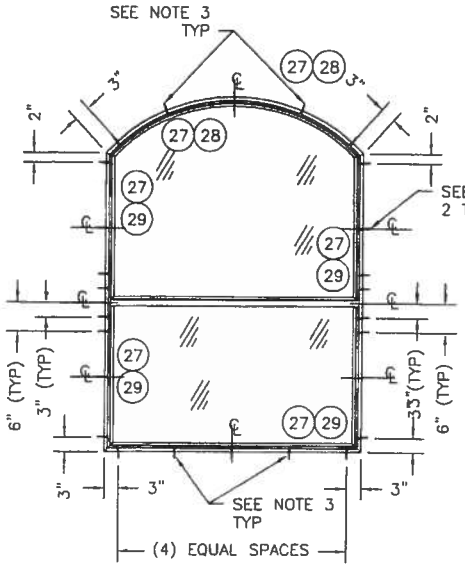
37" x 84" SINGLE HUNG WINDOW
HALF CIRCLE TOP ORIEL



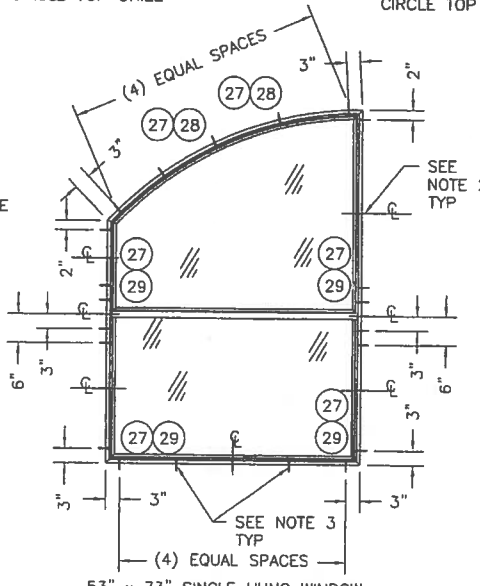
37" x 84" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



53" x 73" SINGLE HUNG WINDOW



53" x 73" SINGLE HUNG WINDOW
CIRCLE TOP ORIEL



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

NOTES:

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

Approved as complying with the Florida Building Code
Date: 02/04/04
NOA: 02-1215.02
Miami-Dade Product Control
By:

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

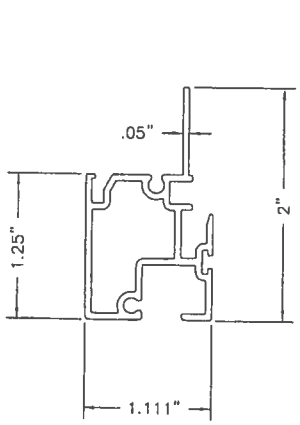
PRODUCT: NON-IMPACT SINGLE HUNG WINDOW RECTANGLE, CIRCLE TOP & ORIEL
PART OR ASSEMBLY: ANCHORING LOCATIONS

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

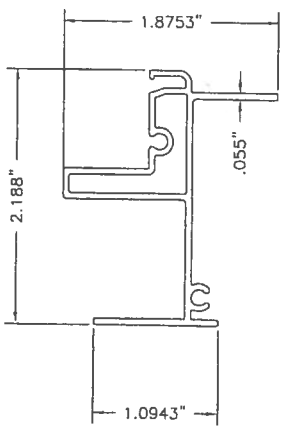
DATE: 10/27/03
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO: S-2422
SHEET 4 OF 5

BILL OF MATERIALS

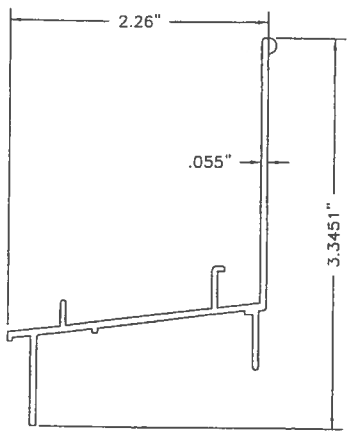
ITEM	DESCRIPTION	MATERIAL
1	EXTRUDED ALUMINUM SINGLE HUNG 1/2" HEAD #CM-18501 BY MI METALS	ALUM.
2	EXTRUDED ALUMINUM SINGLE HUNG 1/2" SILL #CM-18502 BY MI METALS	ALUM.
3	EXTRUDED ALUMINUM SINGLE HUNG 1/2" JAMB #CM-18503 BY MI METALS	ALUM.
4	EXTRUDED ALUMINUM SINGLE HUNG FIXED MEETING RAIL #CM-18504 BY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



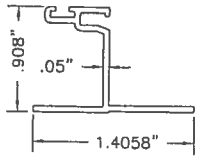
④ FIXED MEETING RAIL



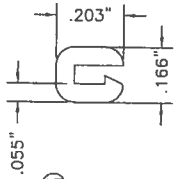
③ JAMB-FLANGE



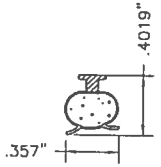
② SILL FIN



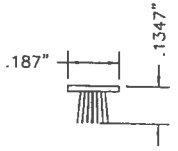
⑦ SASH STILE



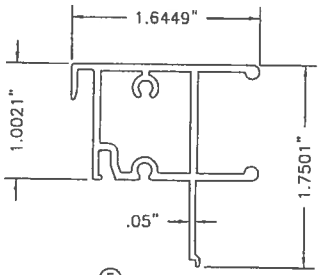
⑮ SASH GUIDE



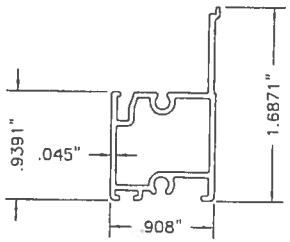
⑱ BULB SEAL



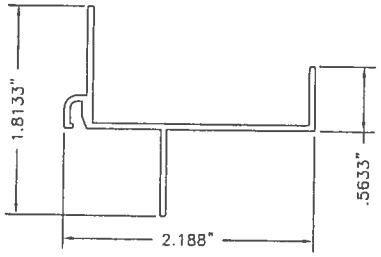
⑰ FIN WEATHERSTRIPPING



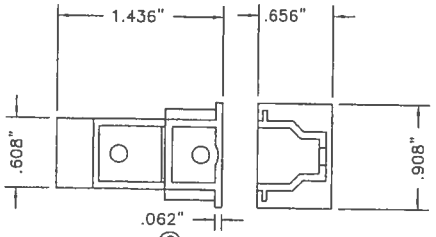
⑤ LOCK RAIL



⑥ SASH BOTTOM RAIL



① HEAD FLANGE



⑧ SASH CAM

Approved as complying with the Florida Building Code
Date 03/04/04
NOA# 03-1211.02
Miami-Dade Product Control
By

Product Approval Documents Prepared By:
BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico, FL 33595
Phone No.: 813.659.9197
Florida Board of Professional Engineers
Certificate Of Authorization No. 9813
Wendell Hanes, P.E. No. 33758
2/10/04

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

PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

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

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

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

SCOPE:

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

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

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

DESCRIPTION: TAMKO Heritage Declaration & Heritage XL Roof Shingles

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

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

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

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

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

This consists of pages 1 through 4.
The submitted documentation was reviewed by Frank Zuloaga, RRC

ROOFING ASSEMBLY APPROVAL

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

1. SCOPE:

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

2. PRODUCT DESCRIPTION

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

3. EVIDENCE SUBMITTED:

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

4. LIMITATIONS

4.1 Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.

4.2 Shall not be installed on roof mean heights in excess of 33 ft.

4.3 All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.

5. INSTALLATION

5.1 Shingles shall be installed in accordance with Roofing Application Standard RAS 115.

5.2 The manufacturer shall provide clearly written application instructions.

5.3 Exposure and course layout shall be in compliance with Detail 'A', attached.

5.4 Nailing shall be in compliance with Detail 'B', attached.

6. LABELING

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

7. BUILDING PERMIT REQUIREMENTS

7.1 Application for building permit shall be accompanied by copies of the following:

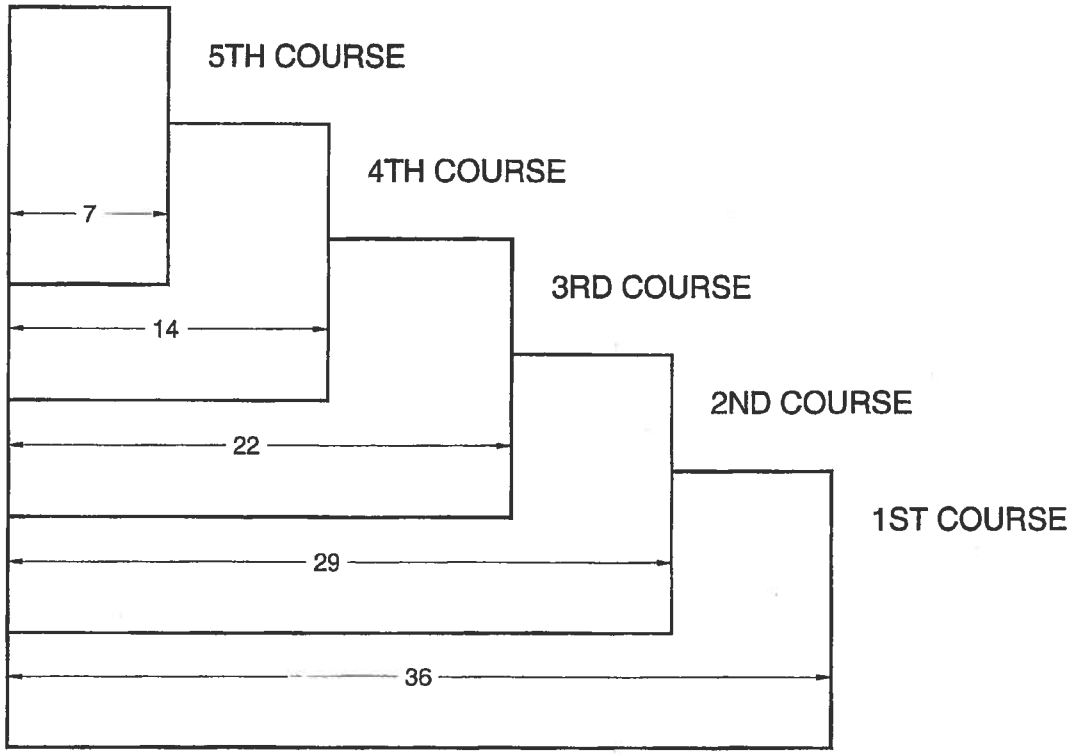
7.1.1 This Notice of Acceptance.

7.1.2 Any other documents required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system.

DETAIL A

HERITAGE DECLARATION & XL

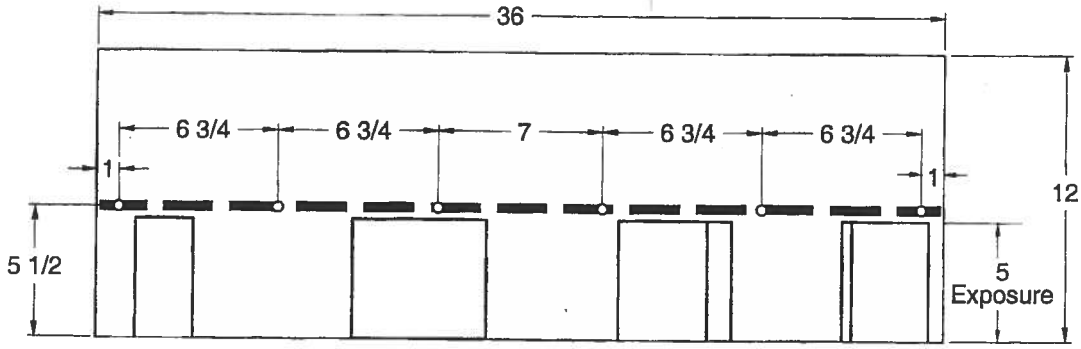
All dimensions are in inches.



DETAIL B

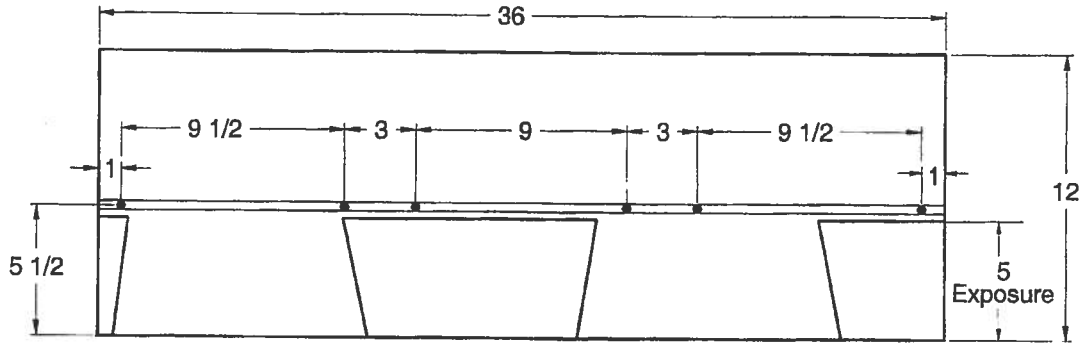
HERITAGE DECLARATION

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



HERITAGE XL

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



END OF THIS ACCEPTANCE

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corporation
108 Mutzfeld Road
Butler, IN 46721

SCOPE:

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

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

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

DESCRIPTION: Outswing Glazed Residential Steel Door w\Sidelites

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

MISSILE IMPACT RATING: None

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

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

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

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

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

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

THERMA-TRU®

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

GENERAL NOTES

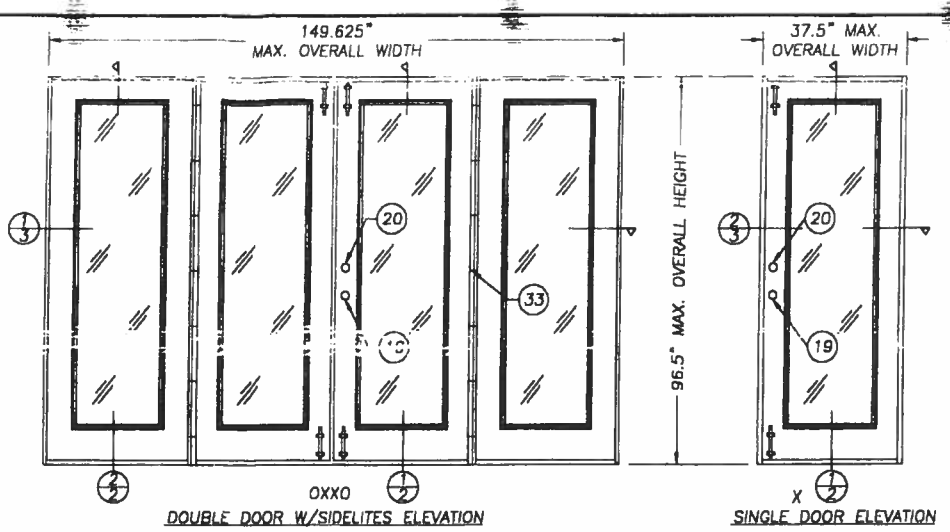
1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL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

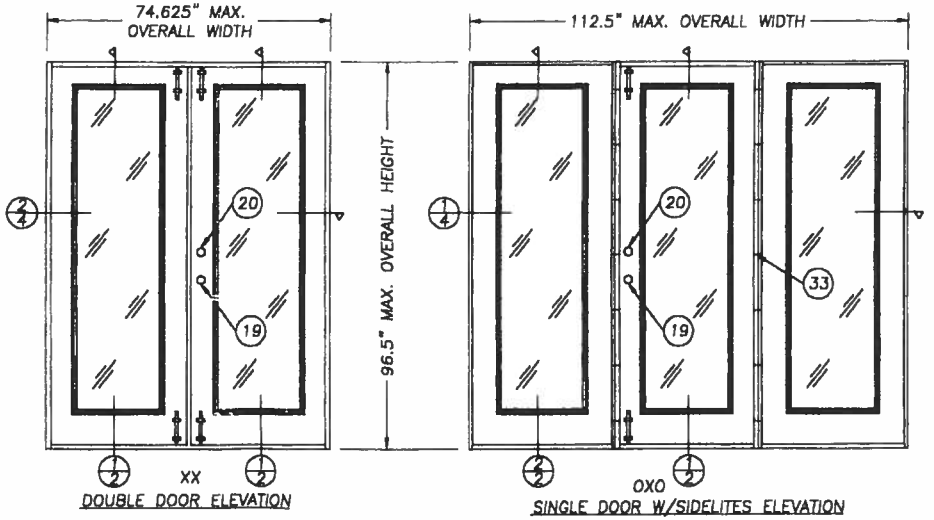
RESIDENTIAL INSULATED STEEL DOOR
(Common to all frame conditions)

Door Leaf Construction:
Face sheets: 25 GA.(0.018")minimum thickness, Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength Fy(min.)=47,000 psi
Core design: Polyurethane foam core, with1.9 lbs. density by BASF.
Construction: Flush or embossed type. The vertical edges of the skin, are rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood composite end rails are butt jointed to styles at corners. Panels are sandwich glazed using a two piece PVC lite frame with mitered & welded corners.

TABLE OF CONTENTS

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





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

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 02-0418.01
Expiration Date 04/01/07
By Miami-Dade Product Control Division

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

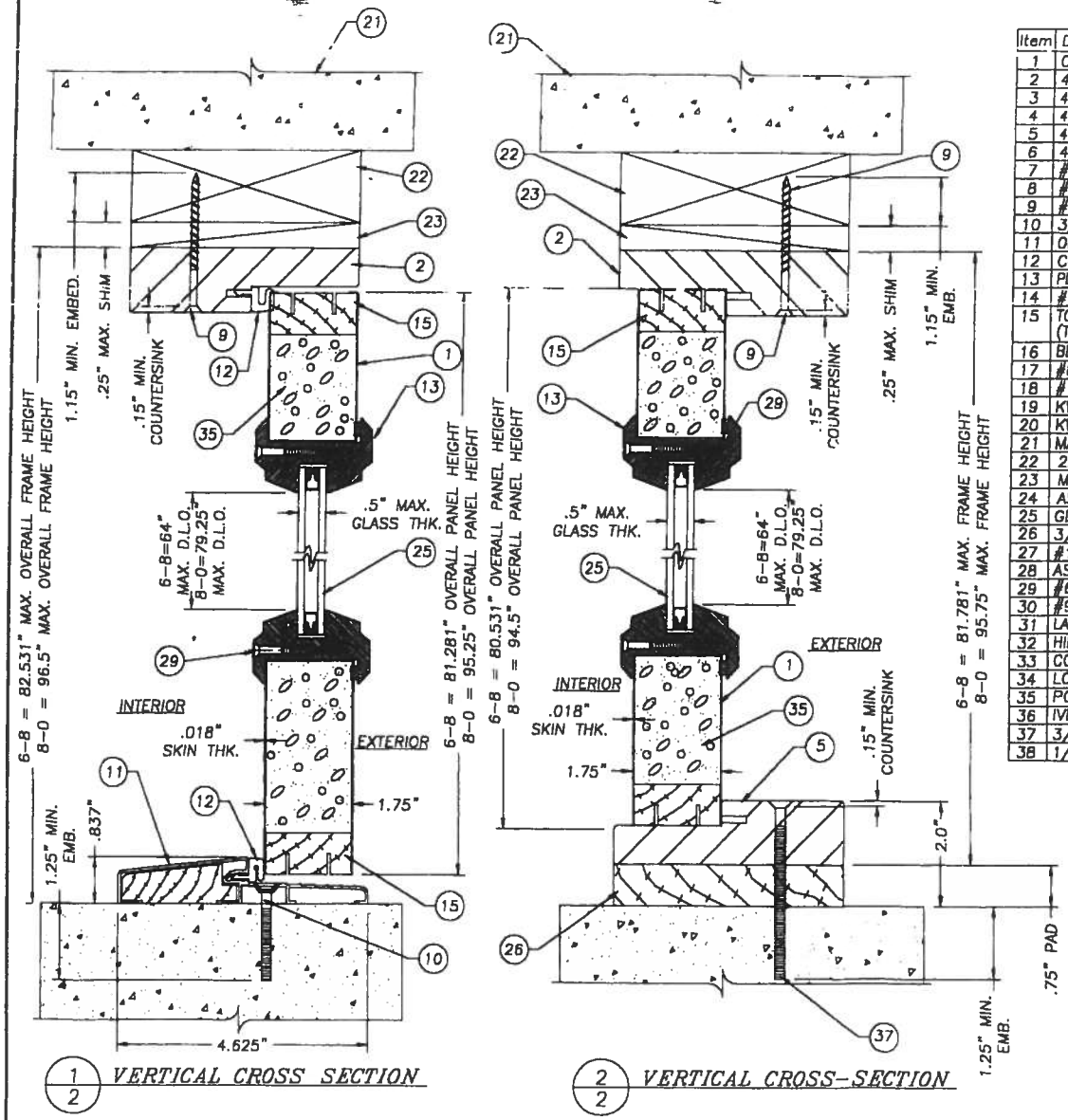
THERMA TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

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

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

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



1/2 VERTICAL CROSS SECTION

2/2 VERTICAL CROSS-SECTION

Item	DESCRIPTION	Material
1	CONSTRUC. SERIES DOOR (25GA. .018" MIN.)	STEEL
2	4 1/2" HEADER (THERMA-TRU)	WOOD
3	4 1/2" LATCH JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
4	4 1/2" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
5	4 1/2" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
6	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
7	#9 x 3/4" lg. (Hinge to Frame)	STEEL
8	#10 WOOD SCREW X 2 1/2" LG.	STEEL
9	#8 x 2 1/2" LG. WOOD SCREW	STEEL
10	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
11	ONE PIECE BUMP FACE THRESHOLD (THERMA-TRU)	ALUM./WOOD
12	COMPRESSION WEATHERSTRIP (THERMA-TRU)	
13	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	PVC
14	#10 x 1 1/4" LG. TYPE "A" FLATHEAD	STEEL
15	TOP & BOTTOM RAIL (1.75" x 1.625") (THERMA-TRU, PONDEROSA PINE)	WOOD
16	BLANK SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
17	#8 x 1/2" LG. TYPE "AB" PANHEAD	STEEL
18	#10 WOOD SCREW X 2" LG.	STEEL
19	KWIKSET 200 DL PASSAGE	
20	KWIKSET 660 DEADBOLT	
21	MASONRY WALL	
22	2x WOOD BUCK	WOOD
23	MAX. 1/4" SHIM MATERIAL	WOOD
24	ASTRAGAL (.052" WALL THK.)	WOOD/ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#12 x 1/2" LG. PANHEAD SHEET METAL SCREW	STEEL
28	ASTRAGAL WEATHERSRIP	VINYL
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW	STEEL
30	#9 x 1" LG. PHILLIPS FLATHEAD SCREW	STEEL
31	LATCH SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
32	HINGE SIDE STYLE (THERMA-TRU, PONDEROSA PINE)	WOOD
33	CORRUGATED STAPLE FASTENER (1 1/2" X 3/4")	STEEL
34	LOCK BLOCK (4" x 11" x 1.625")	WOOD
35	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
36	IVES SURFACE BOLT (.25" STEEL)	STEEL
37	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
38	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	–

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

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 02-0918.01
Expiration Date 04/01/07
By Miami-Dade Product Control Division

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

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

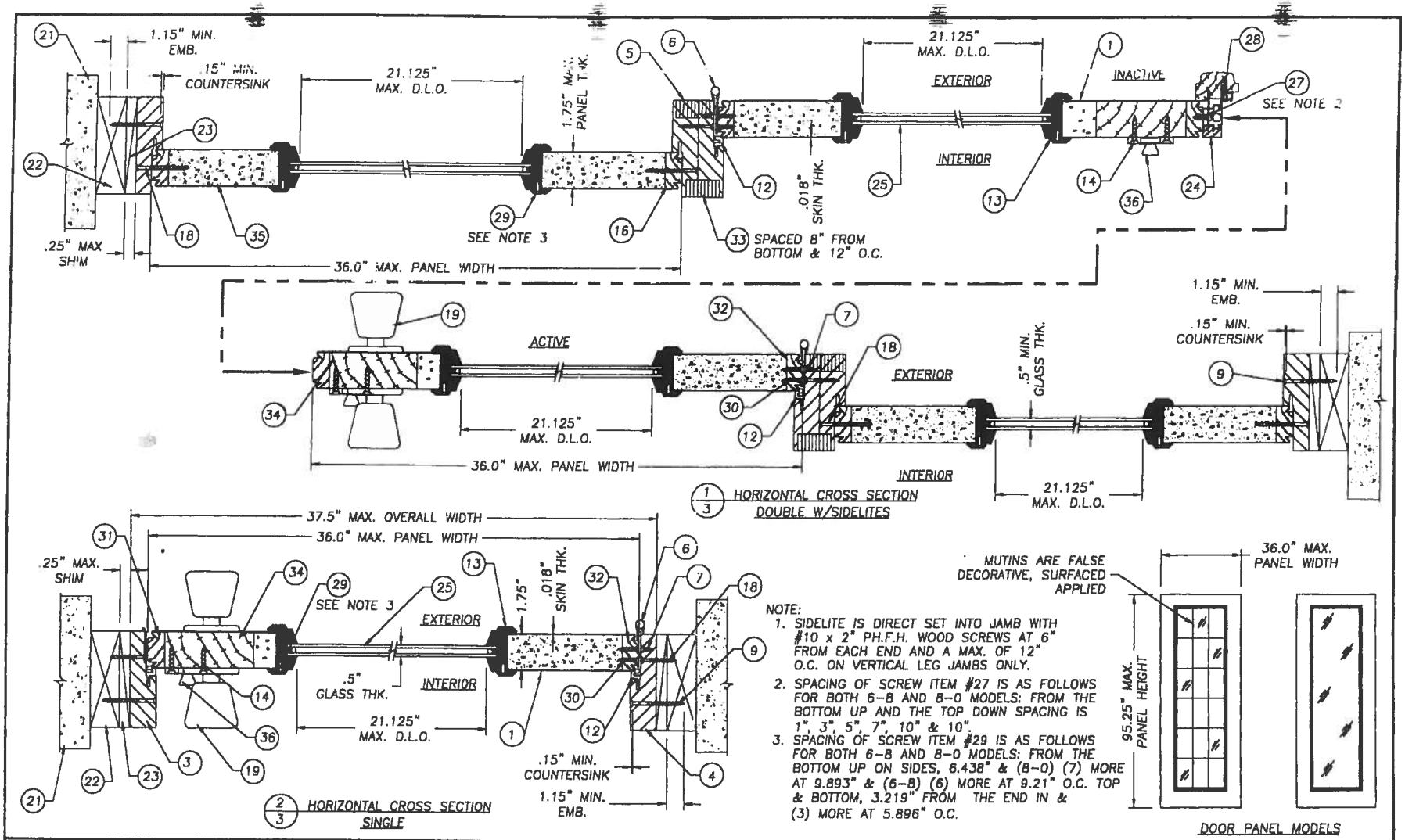
PRODUCT: THERMA TRU WOODEDGE OUTSWING UP TO 12-0 x 8-0 W/3-0 SIDELITES

PART OR ASSEMBLY: VERTICAL CROSS SECTIONS & BILL OF MATERIALS

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

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



NOTE:

1. SIDELITE IS DIRECT SET INTO JAMB WITH #10 x 2" PH.F.H. WOOD SCREWS AT 6" FROM EACH END AND A MAX. OF 12" O.C. ON VERTICAL LEG JAMBS ONLY.
2. SPACING OF SCREW ITEM #27 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP AND THE TOP DOWN SPACING IS 1", 3", 5", 7", 10" & 10".
3. SPACING OF SCREW ITEM #29 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP ON SIDES, 6.438" & (8-0) (7) MORE AT 9.893" & (6-8) (6) MORE AT 9.21" O.C. TOP & BOTTOM, 3.219" FROM THE END IN & (3) MORE AT 5.896" O.C.

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

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

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

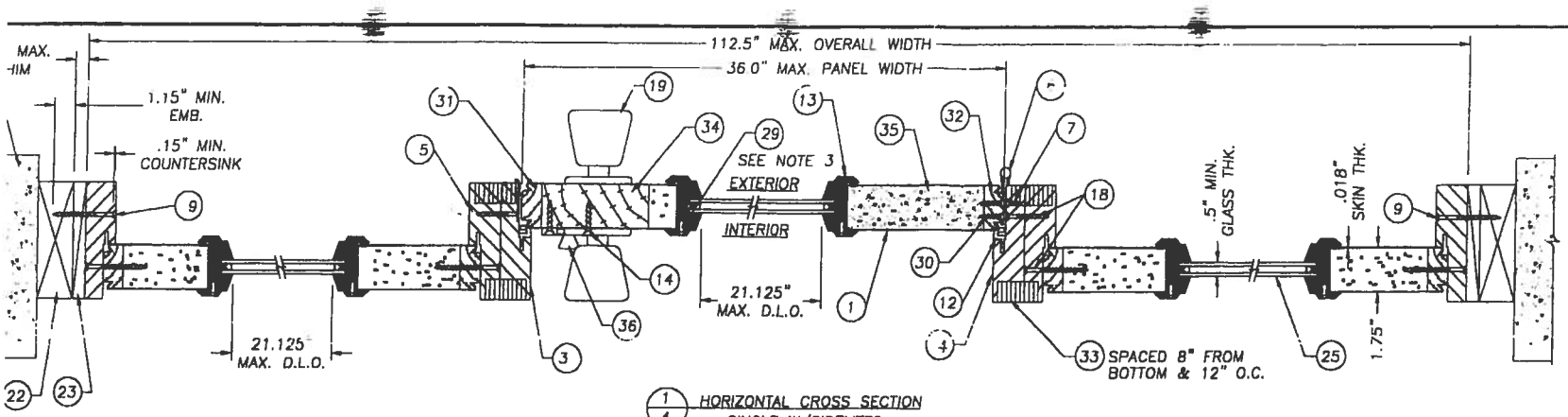
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & DOOR MODELS

RW BUILDING CONSULTANTS, INC. 813.684.3831

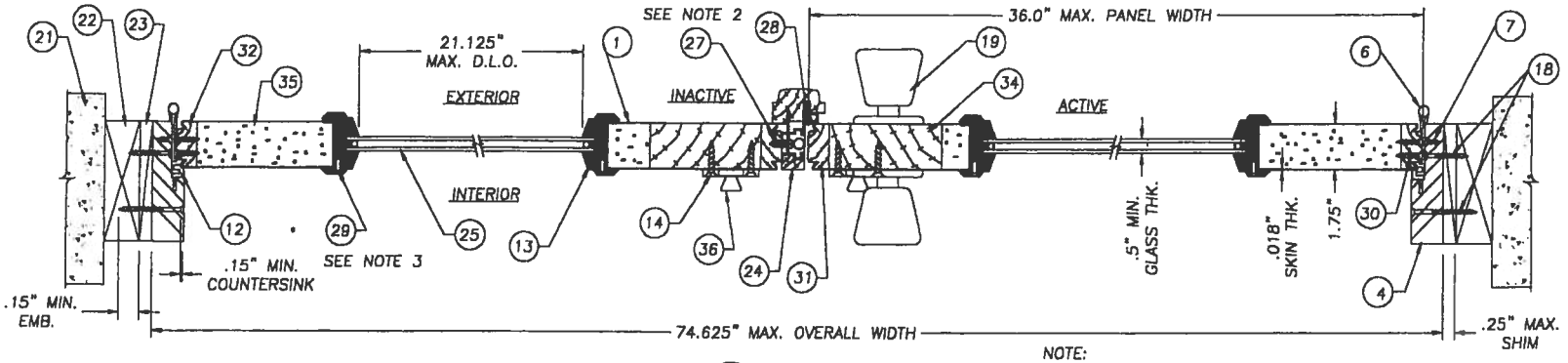
PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. C2-0413.01
Expiration Date 04/05/07
By Miami Dade Product Control Division

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

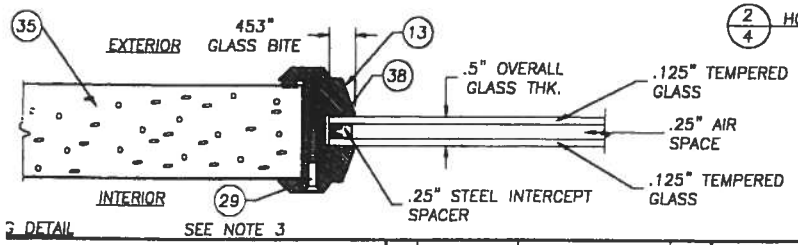
DATE:	3/3/00
SCALE:	N.T.S.
DWG. BY:	TJH
CHK. BY:	RW
DRAWING NO.:	S-2003
SHEET	3 OF 6



1/4 HORIZONTAL CROSS SECTION
SINGLE W/SIDELITES



2/4 HORIZONTAL CROSS SECTION
DOUBLE



G DETAIL

NOTE:
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2. SPACING OF SCREW ITEM #27 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP AND THE TOP DOWN SPACING IS 1", 3", 5", 7", 10" & 10".
3. SPACING OF SCREW ITEM #29 IS AS FOLLOWS FOR BOTH 6-8 AND 8-0 MODELS: FROM THE BOTTOM UP ON SIDES, 6.438" & (8-0) (7) MORE AT 9.893" & (6-8) (6) MORE AT 9.21" O.C. TOP & BOTTOM, 3.219" FROM THE END IN & (3) MORE AT 5.896" O.C.

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

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

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

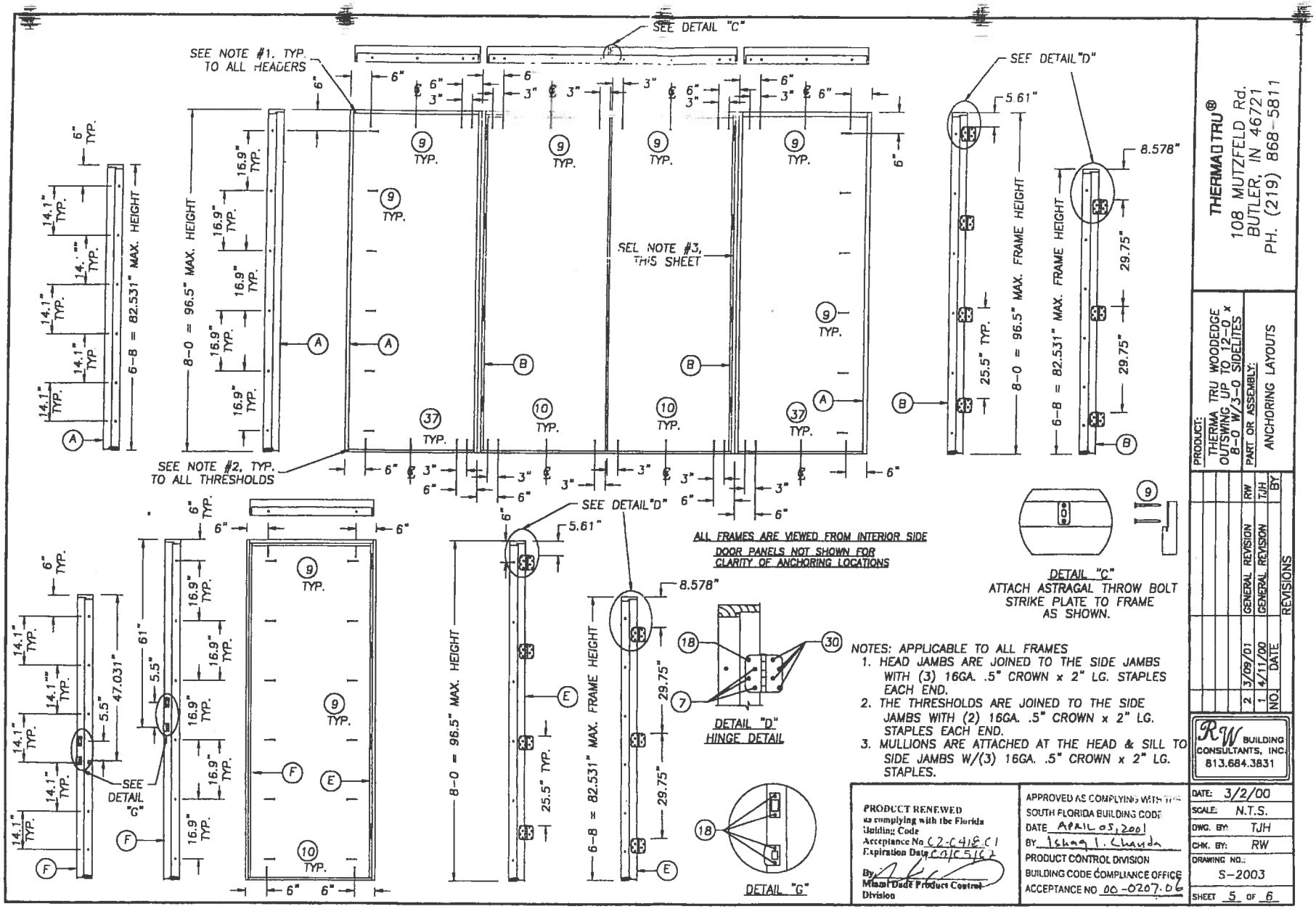
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS & GLAZING DETAIL

RW BUILDING CONSULTANTS, INC. 813.684.3831

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 02-0711.01
Expiration Date 6/10/07
By Miami Dade Product Control Division

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

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



NOTES: APPLICABLE TO ALL FRAMES

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

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. C2-C418.C1
Expiration Date C1C5162
By: Miami Dade Product Control Division

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

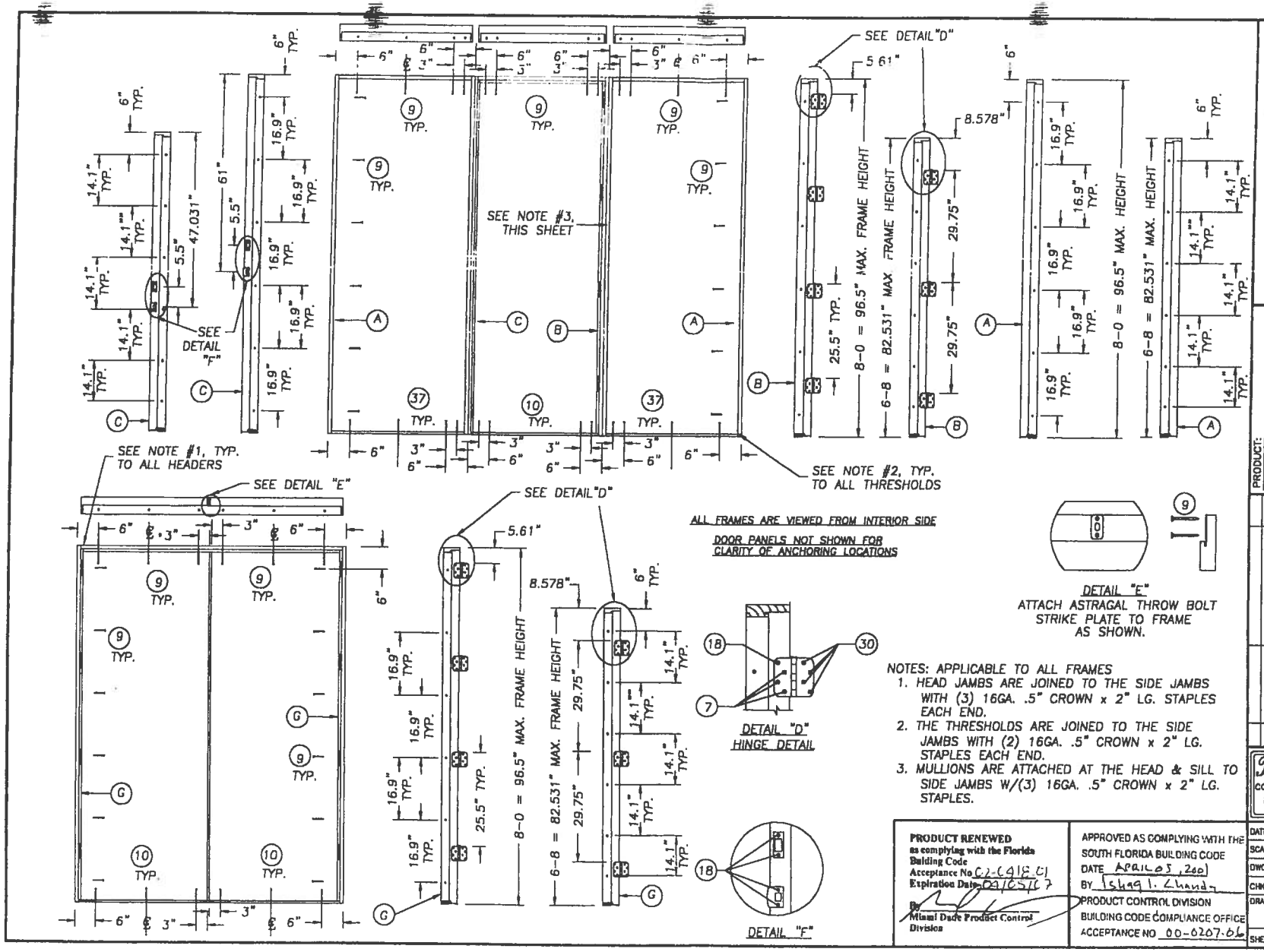
THERMA-TRU®
108 MUTZFELD Rd.
BUTLER, IN 46721
PH. (219) 868-5811

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

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

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



NOTES: APPLICABLE TO ALL FRAMES

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

PRODUCT RENEWED as complying with the Florida Building Code
Acceptance No. 02-0918.01
Expiration Date: 04/05/07
By: Miami Dade Product Control Division

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

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

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

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

RW BUILDING CONSULTANTS, INC.
813.684.3831

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

MIAMI-DADE

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

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

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

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

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

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

MISSILE IMPACT RATING: Large and Small Missile Impact

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

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

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

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

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

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

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

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

03/23/06

161 N. Madison St. Suite 102
Mason, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Engineers • Planners

NOA No 03-1210.02
Expiration Date: March 26, 2007
Approval Date: March 23, 2006
Page 1

Freeman Design Group Inc

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.*

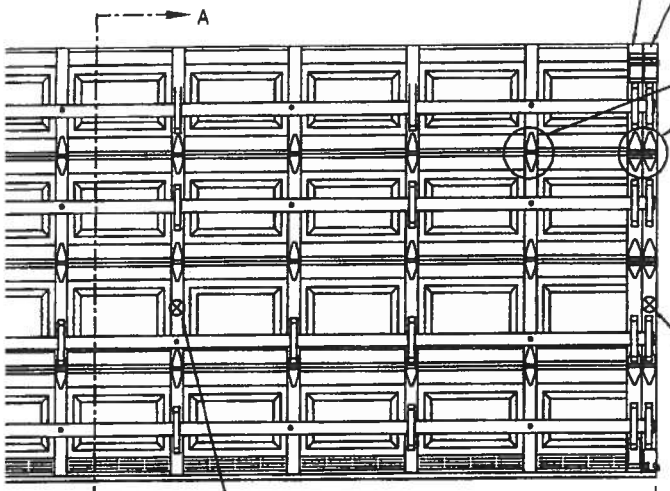
03/23/06

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

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

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

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

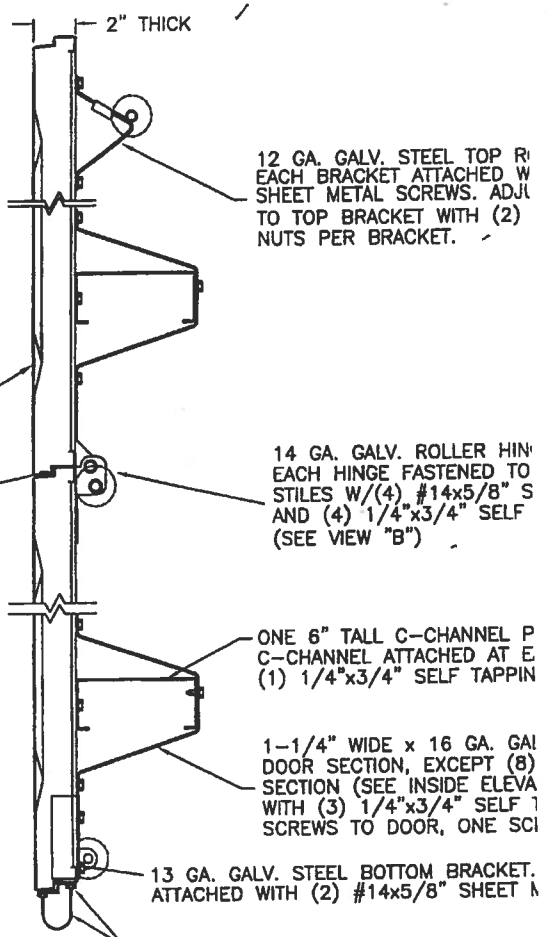


MAX. DOOR WIDTH = 16'-2"
INSIDE ELEVATIONS

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

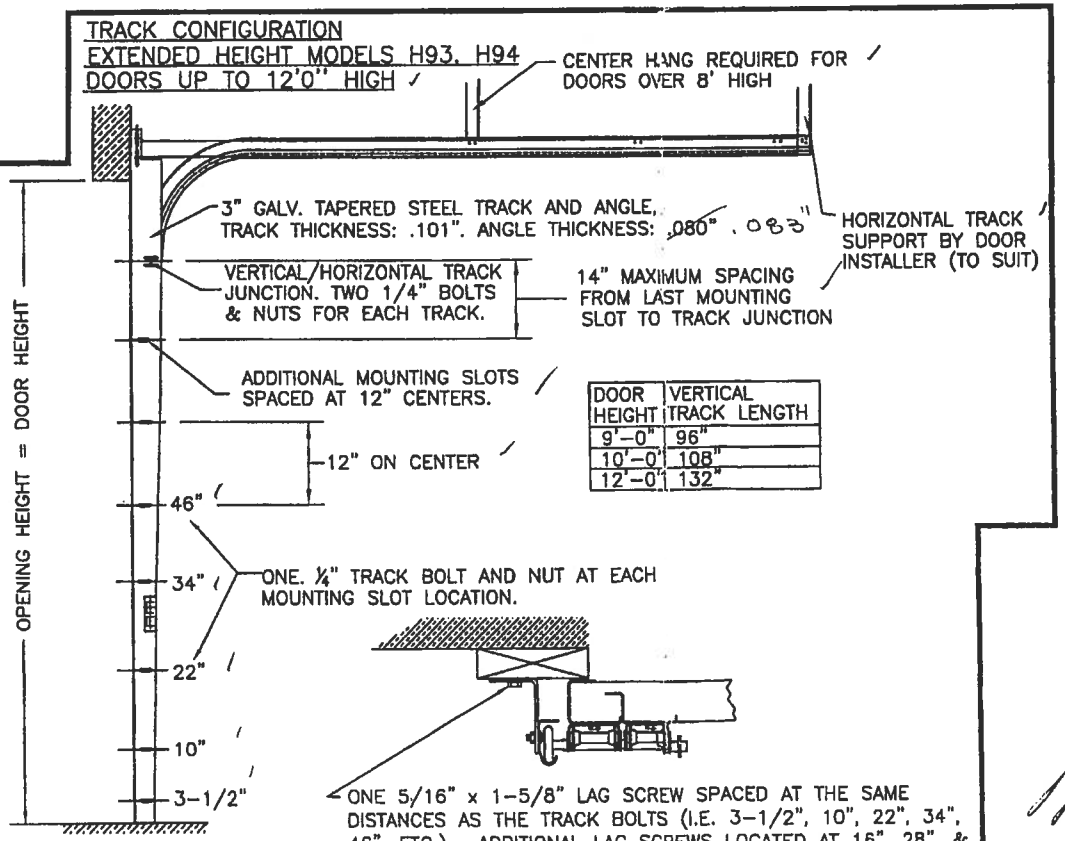
⚠ ⚠
24 GA. DDS STEEL (MIN. YIELD STRENGTH: 38 KSI) EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN. (ASTM No. A653).

SHIP LAP JOINTS.



SECTION A-A (SIDE VIEW)

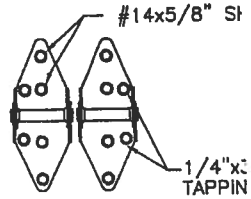
TRACK CONFIGURATION
EXTENDED HEIGHT MODELS H93, H94
DOORS UP TO 12'0" HIGH



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

GH
ANEL, GALV. INTER. STILES
ANEL, PAINTED/GALV. INTER. STILES
, 84A, 93, 94
H
NTAL TRACK SUPPORT BY
OOR INSTALLER (TO SUIT)
NCE SYSTEM
. CONTINUOUS
ANGLE.
ORS ONLY)
IRATION

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



14 GA. END HINGES
VIEW "B"

1/6/04

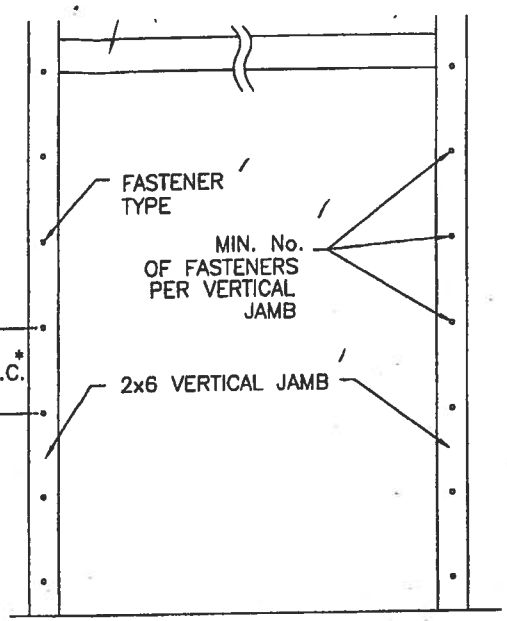
DESIGN LOADS: +46.6 P.S.F. & -52.0 P.S.F. (MODELS 83, 84A, 93,
DESIGN LOADS: +46.6 P.S.F. & -51.7 P.S.F. (MODELS H93, H94)

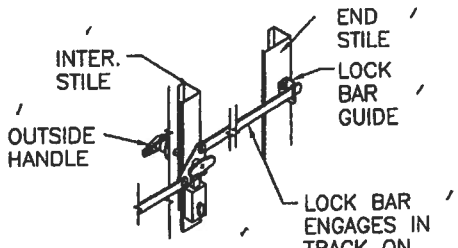
5	8/25/03	ADDED EXTENDE
6	1/6/04	JAMB ATTACHME

DESIGN LOAD OF +372.8 LB & −416 LB. PER LINEAR FOOT OF JAMB.
IT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

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

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





OUTSIDE KEYED LOCK
LOCK BAR LOCKING

INTER. S

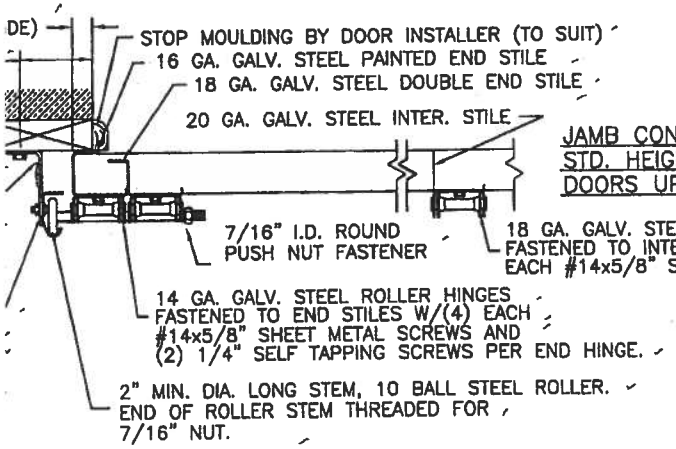
OUTSIDE KEYE
HANDL

SUPPORTING STRUCTURE ATTACHMENT

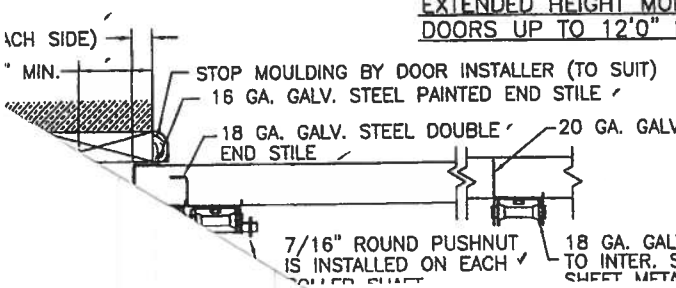
NT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

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

CHOR AND EDGE OF CONCRETE BLOCK: 3", EXCLUDING STUCCO THICKNESS.
MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
NT FASTENERS.
HAS BEEN USED IN THE DESIGN OF CONCRETE ANCHORS & WOOD FASTENERS.



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



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

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

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

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 05-1212.4
Expiration Date 03/28/0
By
Miami-Dade Product Control
Division

Mark W. Westerfield 1/6/04

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,

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 23-6S-17-09752-000 Building permit No. 000026364

Use Classification SFD,UTILITY Fire: 0.00

Permit Holder OWNER BUILDER Waste: 0.00

Owner of Building JIM & JOYE BROWN Total: 0.00

Location: 1043 SE COUNTY ROAD 18, LAKE CITY,FL 32024

Date: 11/05/2014

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)