

DATE 02/22/2005

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022831

APPLICANT R. MACK ROBINSON PHONE 386.755.2492  
ADDRESS 24262 US HWY 129 O'BRIEN FL 3071  
OWNER MIKE ROBERTS PHONE 386.755.9476  
ADDRESS 4231 SW CR 242 LAKE CIT FL 32024  
CONTRACTOR R. MACK ROBINSON PHONE 386.744.2492  
LOCATION OF PROPERTY 47-S TO C-242, TR GO W, 5 MILES JUST BEFORE TRAFFIC LIGHT  
ON SR 247 LOT IS ON THE RIGHT.

TYPE DEVELOPMENT SFD & UTILITY ESTIMATED COST OF CONSTRUCTION 74750.00  
HEATED FLOOR AREA 1495.00 TOTAL AREA 2137.00 HEIGHT 18.20 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING RR MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00  
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. \_\_\_\_\_

PARCEL ID 21-4S-16-03084-018 SUBDIVISION SADDLE RIDGE  
LOT 18 BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES .56

000000546 \_\_\_\_\_ RB0054287 ✓ Mack Robinson  
Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_ Applicant/Owner/Contractor  
18"X3'MITERED 05-0121-N BLK N  
Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident

COMMENTS: 1 FOOT ABOVE ROAD

NOC ON FILE. 100m Height Lake or file

Check # or Cash 1737

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power \_\_\_\_\_ Foundation \_\_\_\_\_ Monolithic \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Under slab rough-in plumbing \_\_\_\_\_ Slab \_\_\_\_\_ Sheathing/Nailing \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Framing \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Permanent power \_\_\_\_\_ C.O. Final \_\_\_\_\_ Culvert \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_  
M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ Re-roof \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 375.00 CERTIFICATION FEE \$ 10.69 SURCHARGE FEE \$ 10.69  
MISC. FEES \$ .00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ \_\_\_\_\_ WASTE FEE \$ \_\_\_\_\_  
FLOOD ZONE DEVELOPMENT FEE \$ \_\_\_\_\_ CULVERT FEE \$ 25.00 TOTAL FEE 471.38  
INSPECTORS OFFICE \_\_\_\_\_ CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

### This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Permit Number \_\_\_\_\_

Parcel Identification Number \_\_\_\_\_

Prepared by: \_\_\_\_\_

Return to: \_\_\_\_\_

Inst: 2005000611 Date: 01/10/2005 Time: 12:50  
DC, P. DeWitt Cason, Columbia County B: 1035 P: 523

NOTICE OF COMMENCEMENT

State of FLA.

County of Columbia

The undersigned hereby gives notice that improvement(s) 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.

Description of property (legal description of the property, and street address if available)

21-45-16 0000/0000  
Lot 18 Saddle Ridge SLD  
ORB 659-183-796-705  
838-1215, WD 1008-1175

General description of improvement(s)

Building Dwelling

Owner Information

Name Mike Roberts

Telephone Number 755-9476

Address 657 S.W. Katherine Ln  
LAKE CITY FLA. 32025

Fax Number none

Interest in Property: Owner

Fee Simple Title Holder (if other than owner shown above)

Name SAME

Telephone Number

Address

Fax Number

Contractor Mike Roberts

Name 657 S.W. Catherine Ln.  
Address LAKE CITY FLA. 32025

Telephone Number

Fax Number

Surety (if any)

Name

Telephone Number

Address

Fax Number

Amount of bond \$ \_\_\_\_\_

Lender (if any)

none

Name

Telephone Number

Address

Fax Number

Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by 713.13(1)(a)7, Florida Statutes.

Name

Telephone Number

Address

Fax Number

In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in 713.13(1)(b), Florida Statutes.

Name

Telephone Number

Address

Fax Number

Expiration date of notice of commencement (the expiration date is one year from the date of recording unless different date is specified):

1-10-05

Signature of

*Mike Roberts*

Signature of Owner (Note: per 713.13(1)(g), "owner must sign... and no one else may be permitted to sign in his or her stead."

Witnessed and subscribed before me this 10<sup>th</sup> day of January, 2005 by

Michael Warren Roberts

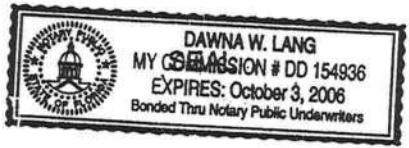
who is \_\_\_\_\_ personally

known to me OR \_\_\_\_\_ produced FDL# R163-559-58-227-0

as identification.

Exp. 06-27-08

*Dawn W. Lang*  
Notary of Notary DAWNA W. LANG





# COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. \* P. O. Box 2949 \* Lake City, FL 32056-2949  
PHONE: (386) 752-8787 \* FAX: (386) 758-1365 \* Email: ron\_croft@columbiacountyfla.com

## Addressing Maintenance

To maintain the Countywide addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE ISSUED: January 10, 2005

ENHANCED 9-1-1 ADDRESS:

4231 SW COUNTY ROAD 242 (LAKE CITY, FL 32024)

Addressed Location 911 Phone Number: NOT AVAIL.

OCCUPANT NAME: NOT AVAIL.

OCCUPANT CURRENT MAILING ADDRESS: \_\_\_\_\_

PROPERTY APPRAISER MAP SHEET NUMBER: 25

PROPERTY APPRAISER PARCEL NUMBER: 21-4S-16-03084-018

Other Contact Phone Number (If any): \_\_\_\_\_

Building Permit Number (If known): \_\_\_\_\_

Remarks: LOT 18, SADDLE RIDGE S/D

Address Issued By: \_\_\_\_\_

Columbia County 9-1-1 Addressing Department

COLUMBIA COUNTY  
9-1-1 ADDRESSING  
APPROVED



# COLUMBIA COUNTY OFFICE 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 21-4S-16-03084-018

Building permit No. 000022831

Use Classification SFD & UTILITY

Fire: 184.25

Permit Holder R. MACK ROBINSON

Waste: 70.62

Owner of Building MIKE ROBERTS

Total: 254.87

Location: 4231 SW CR 242

Date: 11/09/2007



*Harry Dieke*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# COLUMBIA COUNTY DEPARTMENT OF BUILDING AND ZONING

## OCCUPANCY

### COLUMBIA COUNTY, FLORIDA

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Date: 11/09/2007

*Harry Decker*

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)



# Residential System Sizing Calculation

## Summary

Spec House  
FL 32025-

Project Title:  
Mike Roberts

Class 3 Rating  
Registration No. 0  
Climate: North

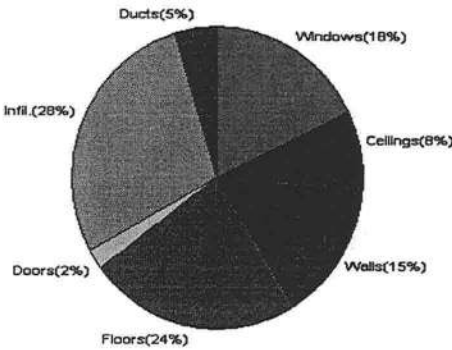
1/21/2005

Location for weather data: Gainesville - User customized: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (78F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	99 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	24 F
<b>Total heating load calculation</b>	<b>24529 Btuh</b>	<b>Total cooling load calculation</b>	<b>28313 Btuh</b>
Submitted heating capacity	29000 Btuh	Submitted cooling capacity	29000 Btuh
Submitted as % of calculated	118.2 %	Submitted as % of calculated	102.4 %

## WINTER CALCULATIONS

Winter Heating Load (for 1495 sqft)

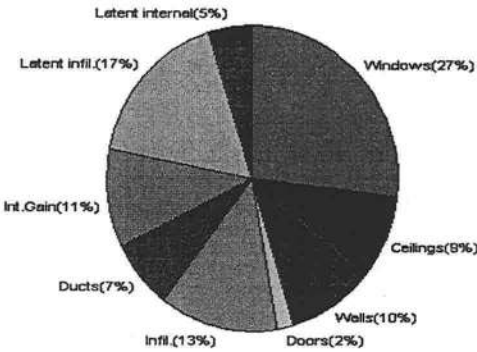
Load component		Load	
Window total	156 sqft	4415	Btuh
Wall total	1322 sqft	3693	Btuh
Door total	38 sqft	536	Btuh
Ceiling total	1575 sqft	2048	Btuh
Floor total	184 ft	5814	Btuh
Infiltration	160 cfm	6855	Btuh
<b>Subtotal</b>		<b>23361</b>	<b>Btuh</b>
Duct loss		1168	Btuh
<b>TOTAL HEAT LOSS</b>		<b>24529</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1495 sqft)

Load component		Load	
Window total	156 sqft	7660	Btuh
Wall total	1322 sqft	2746	Btuh
Door total	38 sqft	492	Btuh
Ceiling total	1575 sqft	2489	Btuh
Floor total		0	Btuh
Infiltration	140 cfm	3691	Btuh
Internal gain		3000	Btuh
<b>Subtotal(sensible)</b>		<b>20077</b>	<b>Btuh</b>
Duct gain		2008	Btuh
<b>Total sensible gain</b>		<b>22085</b>	<b>Btuh</b>
Latent gain(infiltration)		4849	Btuh
Latent gain(internal)		1380	Btuh
<b>Total latent gain</b>		<b>6229</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>28313</b>	<b>Btuh</b>



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: \_\_\_\_\_

DATE: \_\_\_\_\_



# System Sizing Calculations - Winter

## Residential Load - Component Details

Spec House  
, FL 32025-

Project Title:  
Mike Roberts

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (User customized) Winter Temperature Difference: 39.0 F

1/21/2005

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	W	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	W	9.0	28.3	255 Btuh
3	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	N	6.0	28.3	170 Btuh
5	2, Clear, Metal, DEF	E	22.0	28.3	623 Btuh
6	2, Clear, Metal, DEF	E	45.0	28.3	1274 Btuh
7	2, Clear, Metal, DEF	S	4.0	28.3	113 Btuh
Window Total			156		4415 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1052	3.1	3261 Btuh
2	Frame - Adjacent	13.0	270	1.6	432 Btuh
Wall Total			1322		3693 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Adjac		18	9.4	169 Btuh
Door Total			38		536Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1575	1.3	2048 Btuh
Ceiling Total			1575		2048Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	184.0 ft(p)	31.6	5814 Btuh
Floor Total			184		5814 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	11960(sqft)	160	6855 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				160	6855 Btuh

Totals for Heating	Subtotal	23361 Btuh
	Duct Loss(using duct multiplier of 0.05)	1168 Btuh
	Total Btuh Loss	24529 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 )

# System Sizing Calculations - Summer

## Residential Load - Component Details

Spec House  
, FL 32025-

Project Title:  
Mike Roberts

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (User customized) Summer Temperature Difference: 24.0 F 1/21/2005

Window	Type	Overhang	Window Area(sqft)			HTM		Load			
	Panes/SHGC/U/InSh/ExSh Omt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	W	15.5	7.66	40.0	40.0	0.0	25	74	1000	Btuh
2	2, Clear, DEF, N, N	W	1.5	4	9.0	0.7	8.3	25	74	630	Btuh
3	2, Clear, DEF, N, N	W	1.5	6	30.0	4.0	26.0	25	74	2026	Btuh
4	2, Clear, DEF, N, N	N	1.5	4	6.0	0.0	6.0	25	25	150	Btuh
5	2, Clear, DEF, N, N	E	7.5	7.66	22.0	15.2	6.8	25	74	881	Btuh
6	2, Clear, DEF, N, N	E	1.5	6	45.0	9.3	35.7	25	74	2872	Btuh
7	2, Clear, DEF, N, N	S	1.5	2	4.0	4.0	0.0	25	39	100	Btuh
Window Total										7660	Btuh
Walls	Type	R-Value		Area		HTM		Load			
1	Frame - Exterior	13.0		1052.0		2.2		2335 Btuh			
2	Frame - Adjacent	13.0		270.0		1.5		410 Btuh			
Wall Total					1322.0				2746	Btuh	
Doors	Type			Area		HTM		Load			
1	Insulated - Exter			20.0		12.9		259 Btuh			
2	Insulated - Adjac			18.0		12.9		233 Btuh			
Door Total					38.0				492	Btuh	
Ceilings	Type/Color	R-Value		Area		HTM		Load			
1	Under Attic/Dark	30.0		1575.0		1.6		2488 Btuh			
Ceiling Total					1575.0				2489	Btuh	
Floors	Type	R-Value		Size		HTM		Load			
1	Slab-On-Grade Edge Insulation	0.0		184.0 ft(p)		0.0		0 Btuh			
Floor Total					184.0				0	Btuh	
Infiltration	Type	ACH		Volume		CFM=		Load			
	Natural	0.70		11960		139.8		3691 Btuh			
	Mechanical					0		0 Btuh			
	Infiltration Total					140		3691 Btuh			

Internal gain	Occupants	Btuh/occupant			Appliance	Load
	6	X	300	+	1200	3000 Btuh

Totals for Cooling	Subtotal	20077 Btuh
	Duct gain(using duct multiplier of 0.10)	2008 Btuh
	Total sensible gain	22085 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	4849 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
TOTAL GAIN		28313 Btuh



# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Spec House  
, FL 32025-

Project Title:  
Mike Roberts

Class 3 Rating  
Registration No. 0  
Climate: North

1/21/2005

Key: Window types (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/Daperies(B) or Roller Shades(R))  
(ExSh - Exterior shading device: none(N) or numerical value)  
(Ornt - compass orientation)



January 31, 2002

**TO: OUR FLORIDA CUSTOMERS:**

Effective February 1, 2002, the following TAMKO shingles, as manufactured at TAMKO's Tuscaloosa, Alabama, facility, comply with ASTM D-3161, Type I modified to 110 mph. Testing was conducted using four nails per shingle. These shingles also comply with Florida Building Code TAS 100 for wind driven rain.

- Glass-Seal AR
- Elite Glass-Seal AR
- ASTM Heritage 30 AR (formerly ASTM Heritage 25 AR)
- Heritage 40 AR (formerly Heritage 30 AR)
- Heritage 50 AR (formerly Heritage 40 AR)

All testing was performed by Florida State certified independent labs.

Please direct all questions to TAMKO's Technical Services Department at 1-800-641-4691.

TAMKO Roofing Products, Inc.





Dec-28-2001 5:05PM PREMDOR DICKSON 615 445 7229

PRODUCT RENEWAL

ACCOMPLISHED BY 10/11/04

DATE 10/11/04

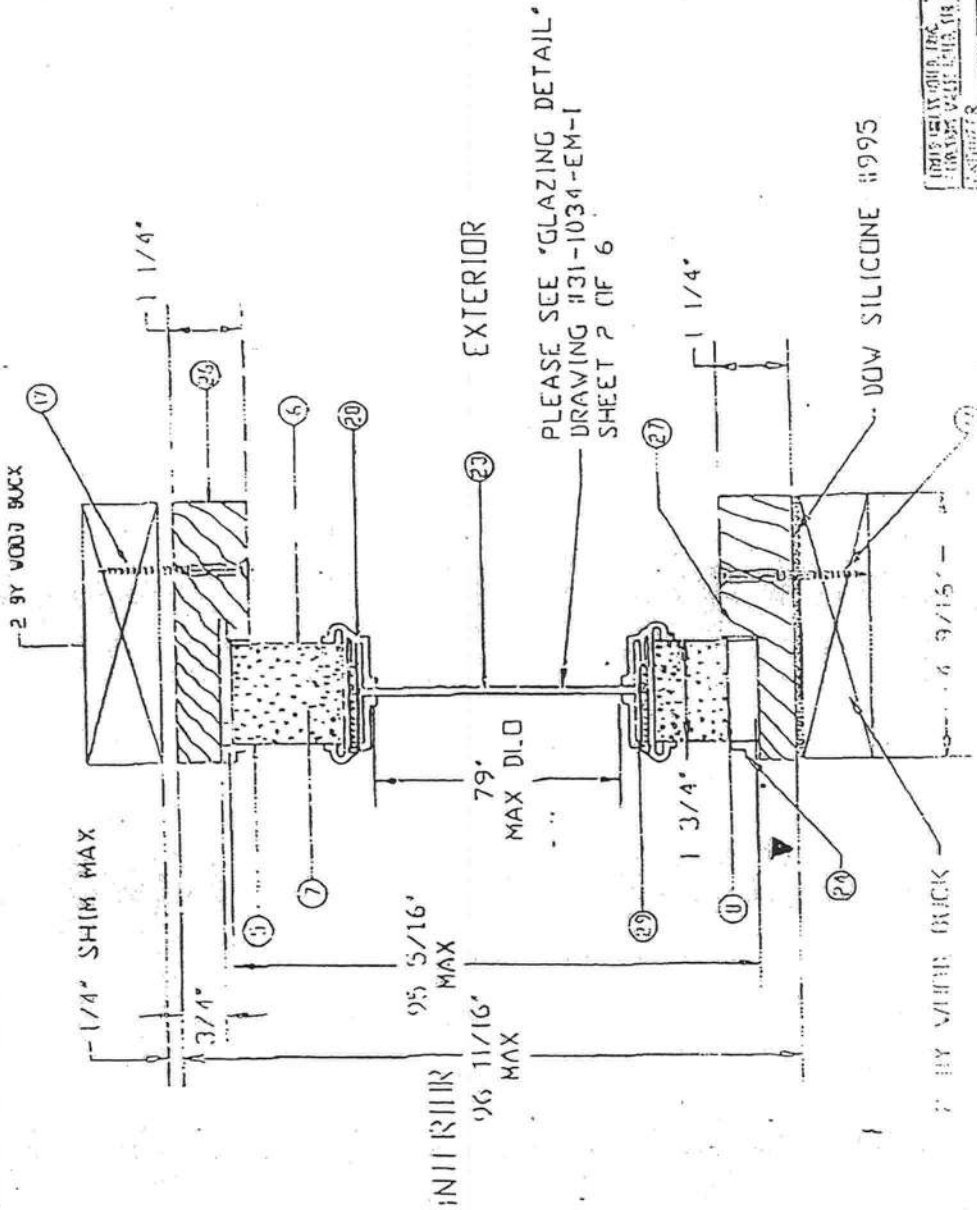
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BUILDING CONTROL NUMBER

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PRODUCT CONTROL DIVISION  
NATIONAL COBBLER COMPANY

FOR DATA ENTRY DEPT. 0-1071106

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PRECOR ENTRY SYSTEMS	31-1034-CM	31-1034-CM
701. 47004	5 IN. 6	5 IN. 6
PRECOR ENTRY SYSTEMS		





Dec-28-2001 5:01PM PREMDOR DICKSON 615 446 7229

5885 P. 4/52

Premdor Entry SystemsACCEPTANCE No.: 01-1031.04APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

## 1. SCOPE

- 1.1 This renews Notice of Acceptance (NOA) No. 00-0720.08, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

## 2. PRODUCT DESCRIPTION

- 2.1 The Series "Entergy" Outswing Opaque Double Residential Insulated Steel Door w/ Sidelites and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-O, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold - 8'0" Height (Outswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

## 3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.

## 4. INSTALLATION

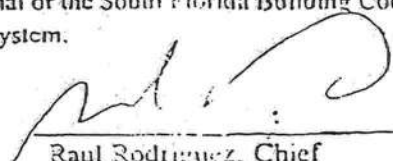
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):  
Door Slab: The installation of this unit will not require a hurricane protective system.  
Sidelites: The installation of these units will require a hurricane protective system.

## 5. LABELING

- 5.1 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".

## 6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Raul Rodriguez, Chief  
Product Control Division

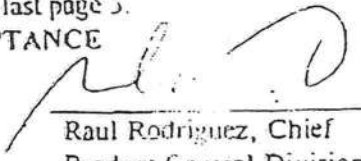
Dec. 28. 2001 5:01PM PREMDOR DICKSON 615 445 7229

6885 D. 5/52

Premdor Entry SystemsACCEPTANCE No.: 01-1031.04APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not rescal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

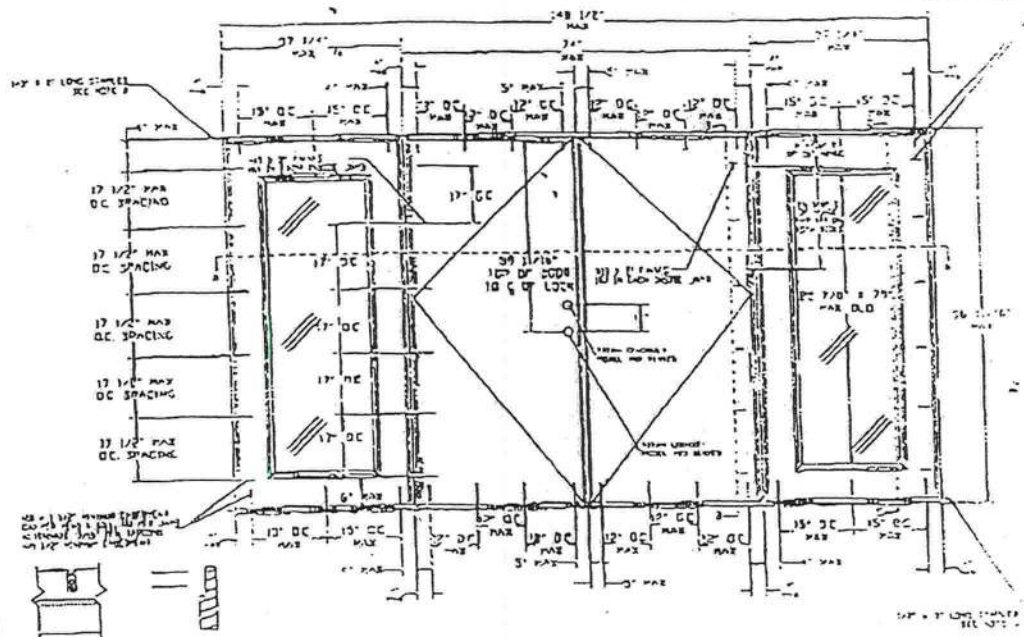
  
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Raul Rodriguez, Chief  
Product Control Division



Dec. 28. 2001 - 5:02PM - PREMDOR DICKSON 615 445 7229

5885 P. 6/52

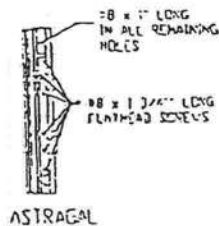
PREMDOR KENTERGY METAL EDGE DOUBLE DOOR  
WITH SIDELITES IN WOOD FRAMES  
WITH BUMPER THRESHOLD-8'0" HEIGHT (OUT SWING)



ATTACH ASTRAGAL THRU 2\"/>

## NOTES:

- 1) WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- 2) THE PRECEDING DRAWINGS ARE INTENDED TO QUALIFY THE FOLLOWING INSTALLATIONS.
  - A. WOOD FRAME CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY WOOD OPENING
  - B. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED TO A MINIMUM TWO BY STRUCTURAL WOOD BUCK
  - C. MASONRY OR CONCRETE CONSTRUCTION WHERE DOOR SYSTEM IS ANCHORED DIRECTLY TO CONCRETE OR MASONRY WITH OR WITHOUT A NON-STRUCTURAL BUCK BY WOOD BUCK.
3. ALL ANCHORING SCREWS TO BE #10 WITH MINIMUM 1 1/2\"/>
4. GLAZED UNIT MUST BE INSTALLED WITH PHANI-MODE EXHIBIT APPROVED SHIMMERS
5. THREE STAPLES PER SIDE JAMB INTO HEADER ON SIDELITES AND DOOR, THREE STAPLES PER JAMB INTO THRESHOLD ON SIDELITES AND DOOR.
6. LATEX SEALANT TO BE APPLIED AT SIDE BY SIDE JAMBS AND SIDELITES.
7. DOOR/SIDELITE HEADERS, DOOR/SIDELITE JAMBS, AND SIDELITE BASE CORNERS ARE COPED AND BUTTED
8. BUCKS SHALL BE PRE-PAINTED WITH AN ACRYLIC LATEX WATER-BASED WATER-REDUCIBLE WHITE PRIMER WITH A DRY FILM THICKNESS OF 8 TO 12 MIL
9. FRAMES SHALL BE PRE-PAINTED WITH A WATER-BASED EPOXY PRIMER WITH A DRY FILM THICKNESS OF 28 TO 32 MIL



ASTRAGAL

DESIGN PRESSURE RATINGS			
	WIND WATER PENETRATION RESISTANCE IS REQUIRED	WIND WATER PENETRATION RESISTANCE IS NOT REQUIRED	
Positive	+48.3 DSI	+70.3 DSI	
Negative	-48.3 DSI	-70.3 DSI	

## PRODUCT RENEWED

ACCEPTANCE NO. 01-1631-01

EXPIRATION DATE 5/2006

By [Signature]

PRODUCT CONTROL DIVISION

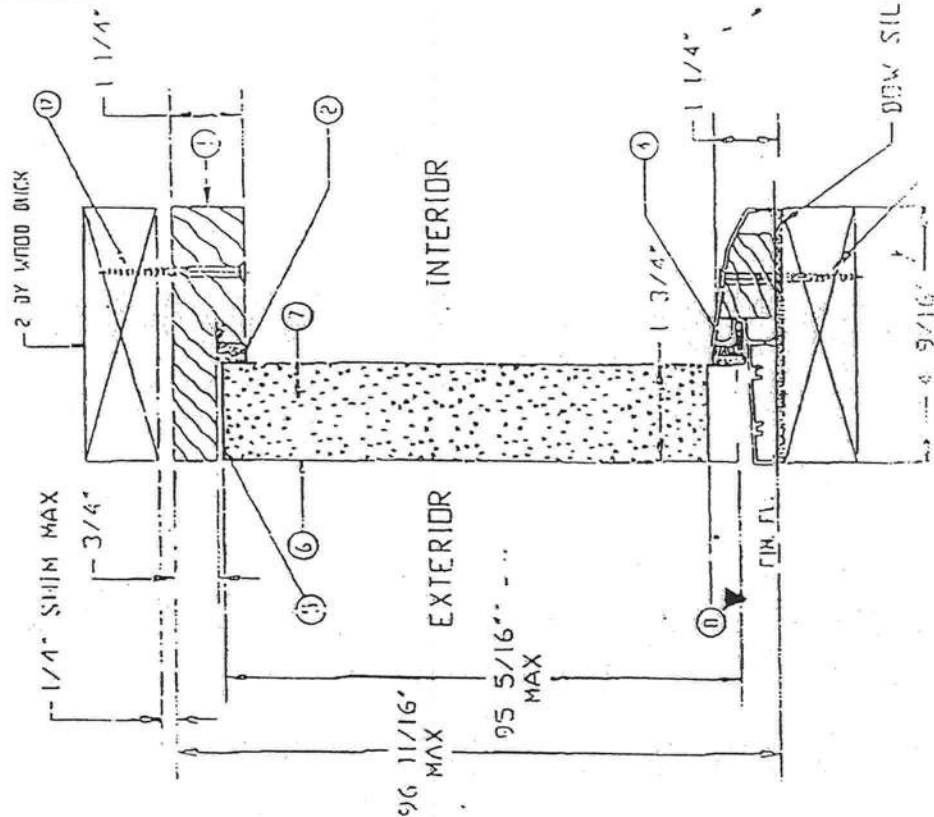
TRAINING CENTER COMPLIANCE OFFICE

DATE	BY	REVISION	DESCRIPTION
01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0
01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0
01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0
01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0
01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0
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01-1631-01	PREMDOR ENTRY SYSTEMS	01-1631-EM-0	01-1631-EM-0





## MATERIALS LIST

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ACCIDENT No. H-1031, UY

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## SECTION B-B

PREMIER ENERGY SYSTEMS

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PREMDOR DICKSON 615 446 7229

PRODUCT REVIEW

41-1031-01

EXPLANATION

BY

DATE

REVISIONS

DATE

BY

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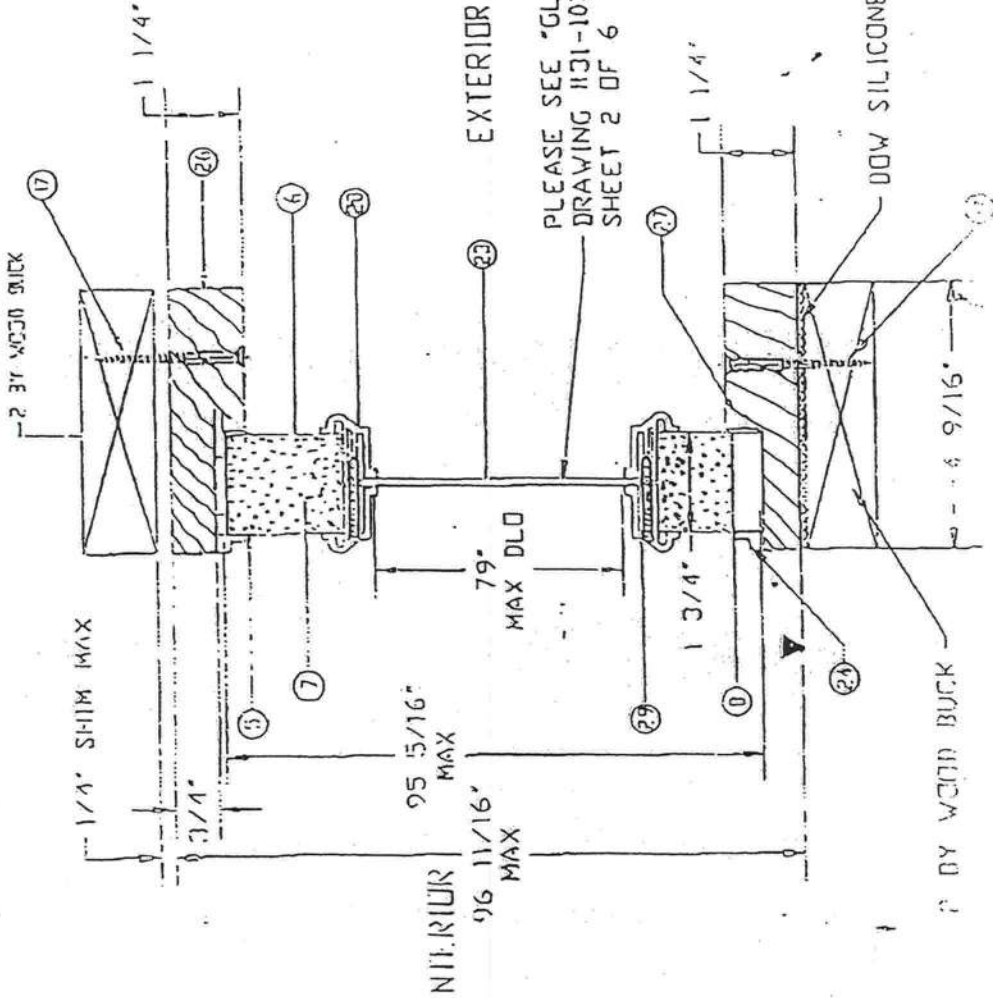
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SECTION C-C

PREMDOR ENTRY SYSTEMS

910 C. STREET

PHILADELPHIA, PA 19107

SHEET 4 OF 6

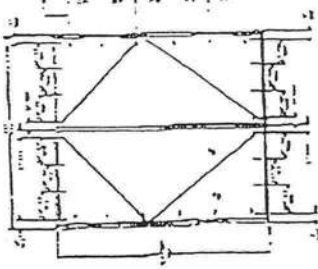
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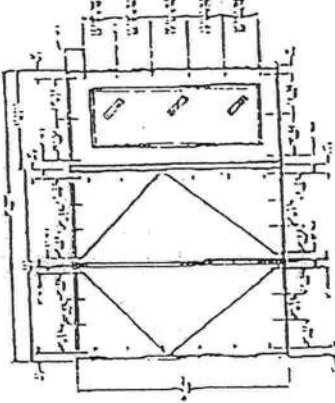


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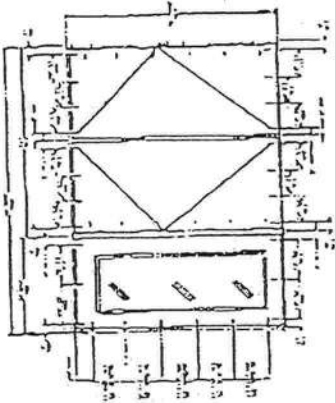
# OTHER DOOR CONFIGURATIONS



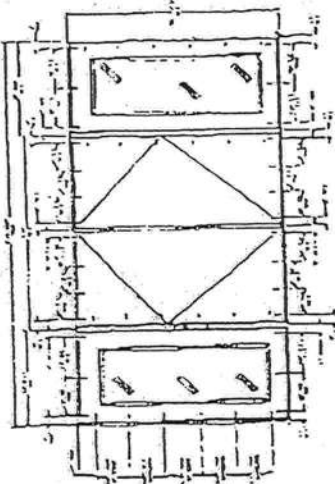
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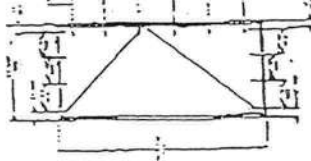
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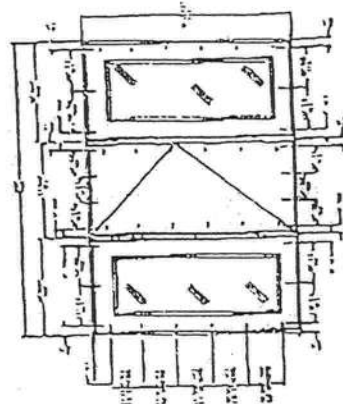
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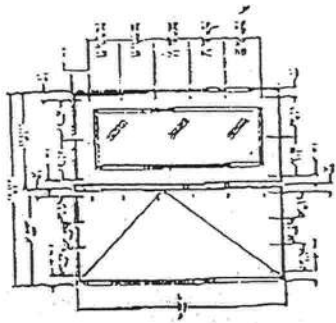
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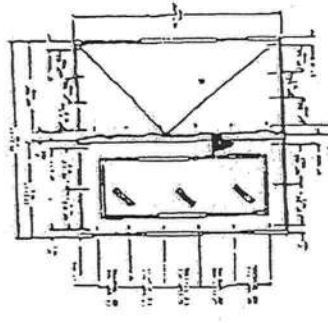
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PROJECT REVIEWED  
ACCEPTANCE 8-10-01 BY  
PREMDOR ENTRY SYSTEMS  
DATE 8-10-01  
BY C. J. JONES  
PREMDOR ENTRY SYSTEMS  
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PREMDOR ENTRY SYSTEMS  
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PREMDOR ENTRY SYSTEMS  
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31-1031-1-M  
SHEET 5 OF 6  
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LAKE CITY GAINESVILLE

717 362 7025

PAGE 03

01-2002 13:35

MI ENGINEERING

P.10/19

APR -01' 02(MON) 13:54

ARCH. TESTING

TEL:1-717-764-4129

P.007

MASTER  
WINDOWS

AAMA/NWDA 101/L9.1-97  
TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650 Fin

TYPE: Aluminum Single Hung Window

Title of Test	Results
Rating	H-R40 52 x 72
Overall Design Pressure	+45.0 psf -47.2 psf
Operating Force	11 lb max.
Air Infiltration	0.13 cfm/ft <sup>2</sup>
Water Resistance	6.00 psf
Structural Test Pressure	+67.5 psf -70.8 psf
De-glazing	Passed
Forced Entry Resistance	Grade 10

Reference should be made to Report No. 01-41134.01 dated 03/26/02 for complete test specimen description and data.

For ARCHITECTURAL TESTING, INC.



Mark A. Hess, Technician

MAH:nb



APR-01-2002 13:35  
APR -01' 02 (MON) 13:54

MI ENGINEERING  
ARCH. TESTING

717 362 7025

TEL: 1-717-764-4129

PAGE 04  
P.06/19  
P.008



Architectural Testing

## AAMA/NWWD A 101/LS 2-97 TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.  
650 West Market Street  
P.O. Box 370  
Gratz, Pennsylvania 17030-0370

Report No: 01-41134.01  
Test Date: 03/07/02  
Report Date: 03/26/02  
Expiration Date: 03/07/06

**Project Summary:** Architectural Testing, Inc. (ATI) was contracted by MI Home Products, Inc. to perform tests on Series/Model 650 Fin, aluminum single hung window at their facility located in Elizabethville, Pennsylvania. The samples tested successfully met the performance requirements for a H-R40 52 x 72 rating.

**Test Specification:** The test specimen was evaluated in accordance with AAMA/NWWD A 101/LS 2-97, *Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors*.

### Test Specimen Description:

Series/Model: 650 Fin

Type: Aluminum Single Hung Window

Overall Size: 4' 4-1/4" wide by 6' 0-3/8" high

Active Sash Size: 4' 1-3/4" wide by 3' 0-5/8" high

Daylight Opening Size: 3' 11-3/8" wide by 2' 9-1/2" high

Screen Size: 4' 0-1/4" wide by 2' 11-1/8" high

Finish: All aluminum was white.

**Glazing Details:** The active and fixed lites utilized 5/8" thick, sealed insulating glass constructed from two sheets of 1/8" thick, clear annealed glass and a metal reinforced butyl spacer system. The active sash was channel glazed utilizing a flexible vinyl wrap-around gasket. The fixed lite was interior glazed against double-sided adhesive foam tape and secured with PVC snap-in glazing beads.

130 Derry Court  
York, PA 17402-9406  
phone: 717.764.7700  
fax: 717.764.4129  
www.archtest.com

Test Specimen Description: (Continued)

Weatherstripping:

Description	Quantity	Location
0.230" high by 0.270" backed polypile with center fin	1 Row	Fixed meeting rail
0.250" high by 0.187" backed polypile with center fin	2 Rows	Active sash stiles
1/2" x 1/2" dust plug	4 Pieces	Active sash, top and bottom of stiles
1/4" foam-filled vinyl bulb seal	1 Row	Active sash, bottom rail

**Frame Construction:** The frame was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1" screws through the head and sill into each jamb screw boss. End caps were utilized on the ends of the fixed meeting rail and secured with two 1-1/4" screws per cap. Meeting rail was secured to the frame utilizing two 1-1/4" screws.

**Sash Construction:** The sash was constructed of extruded aluminum with coped, butted, and sealed corners fastened with two #8 x 1-1/2" screws through the rails into each jamb screw boss.

**Screen Construction:** The screen was constructed from roll-formed aluminum with keyed corners. The fiberglass mesh was secured with a flexible spline.

Hardware:

Description	Quantity	Location
Metal cam lock with keeper	1	Midspan, active meeting rail with keeper adjacent on fixed meeting rail
Plastic tilt latch	2	Active sash, meeting rail ends
Metal tilt pin	2	Active sash, bottom rail ends
Balance assembly	2	One in each jamb
Screen plunger	2	4" from rail ends on top rail



Test Specimen Description: (Continued)

Drainage: Sloped sill

Reinforcement: No reinforcement was utilized.

Installation: The test specimen was installed into a 2 x 8 #2 Spruce-Pine-Fir wood test buck with #8 x 1-5/8" drywall screws every 8" on center around the nail fin. Polyurethane was used as a sealant under the nail fin and around the exterior perimeter.

Test Results:

The results are tabulated as follows:

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.1	Operating Force	11 lbs	30 lbs max.
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	0.13 cfm/ft <sup>2</sup>	0.3 cfm/ft <sup>2</sup> max.
Note #1: The tested specimen meets the performance levels specified in AAMA/NWDA 101/U.S. 2-97 for air infiltration.			
2.1.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds) @ 25.9 psf (positive) @ 34.7 psf (negative)	0.42" 0.43"	0.26" max. 0.26" max.

\*Exceeds 1/175 for deflection, but passes all other test requirements.

2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds) @ 38.9 psf (positive) @ 52.1 psf (negative)	0.02" 0.02"	0.18" max. 0.18" max.
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Test Specimen Description: (Continued)

Paragraph	Title of Test - Test Method	Results	Allowed
2.2.1.6.2	Deglazing Test (ASTM E 987) In operating direction at 70 lbs		
	Meeting rail	0.12"/25%	0.50"/100%
	Bottom rail	0.12"/25%	0.50"/100%
	In remaining direction at 50 lbs		
	Left stile	0.06"/12%	0.50"/100%
	Right stile	0.06"/12%	0.50"/100%
2.1.8	Forced Entry Resistance (ASTM F 588-97)		
	Type: A		
	Grade: 10		
	Lock Manipulation Test	No entry	No entry
	Tests A1 through A5	No entry	No entry
	Test A7	No entry	No entry
	Lock Manipulation Test	No entry	No entry

Optional Performance

4.3	Water Resistance (ASTM E 547-00) (with and without screen) WTP = 6.00 psf	No leakage	No leakage
4.4.1	Uniform Load Deflection (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 33 seconds)		
	@ 45.0 psf (positive)	0.47"	0.26" max.
	@ 47.2 psf (negative)	0.46"	0.26" max.

\*Exceeds I/J75 for deflection, but passes all other test requirements.

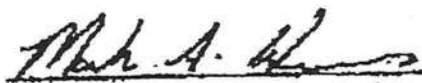
4.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the meeting rail) (Loads were held for 10 seconds)		
	@ 67.5 psf (positive)	0.05"	0.18" max.
	@ 70.8 psf (negative)	0.05"	0.18" max.



01-41134.01  
Page 5 of 5

Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Mark A. Hess  
Technician

MAH:mb  
01-41134.01

---

Allen N. Reeves, P.E.  
Director - Engineering Services



**DOCUMENT CONTROL ADDENDUM #01-41134.00**

**Current Issue Date: 03/26/02**

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**Report No.: 01-41134.01**

**Requested by:** William Emley, MI Home Products, Inc.

**Purpose:** AAMA/NWDA 101/LS-2-97 testing of a Series/Model 630 Fin, aluminum single hung window.

**Issued Date:** 03/26/02

**Comments:** Certification copy of report to John Smith at Associated Laboratories, Inc.  
Florida P.R. seal required on every page of report.



DOORS

Dec. 28. 2001 5:03PM

PREMDOR DICKSON 515 445 7029

5885 P. 12/52

MIAMI-DADE

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDINGBUILDING CODE COMPLIANCE OFFICE  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1602  
MIAMI, FLORIDA 33130-1363  
(305) 375-2901 FAX (305) 375-2908CONTRACTOR LICENSING SECTION  
(305) 375-2527 FAX (305) 375-2538CONTRACT ENFORCEMENT DIVISION  
(305) 375-2966 FAX (305) 375-2908PRODUCT CONTROL DIVISION  
(305) 375-2902 FAX (305) 375-6339**PRODUCT CONTROL NOTICE OF ACCEPTANCE**Premdor Entry Systems  
One Premdor Drive  
Dickson, TN 37055

- Your application for Notice of Acceptance (NOA) of:  
 Entergy SE Double Door w/sidelites - Inswing - Opaque-8'0" In a Wood Frame  
 under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of  
 Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade  
 County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this  
 product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this  
 product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the  
 use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is  
 determined by BCCO that this product or material fails to meet the requirements of the South Florida  
 Building Code.

The expense of such testing will be incurred by the manufacturer.

ACCEPTANCE NO.: 01-1031.06  
 EXPIRES: 11/05/2006

*[Signature]*  
 Ramon Rodriguez  
 Chief of Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
 CONDITIONS  
 BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building  
 Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set  
 forth above.

*[Signature]*

Francisco J. Quintana, R.A.  
 Director  
 Miami-Dade County  
 Building Code Compliance Office

APPROVED: 12/11/2001

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Internet mail address: postmaster@buildingcodeonline.com Homepage: http://www.buildingcodeonline.com

JUN 07 2002 09:25

Dec. 28. 2001 5:04PM PREMDOR DICKSON 615 446 7229

F885 F. 13/52

Premdor Entry SystemsACCEPTANCE No.: 01-1031.06APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

## 1. SCOPE

- 1.1 This renews Notice of Acceptance (NOA) No. 00-0720.10, which was issued on November 09, 2000. It renews the approval of a residential insulated steel door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

## 2. PRODUCT DESCRIPTION

- 2.1 The Series "Entergy" Inswing Opaque Double Residential Insulated Steel Doors (Metal Edge) with Sidelites 8' 0" High - Impact Resistant Door Slab Only and its components shall be constructed in strict compliance with the following document: Drawing No 31-1034-EM-I, Sheets 1 through 6 of 6, titled "Premdor (Entergy Metal Edge) Double Door w/ Sidelites in Wood Frame w/ Bumper Threshold - 8' 0" Height (Inswing)," prepared by manufacturer, dated 6/15/98 and revised on 7/27/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

## 3. LIMITATIONS

- 3.1 This approval applies to single unit applications of pair of doors and single door with sidelites, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

## 4. INSTALLATION

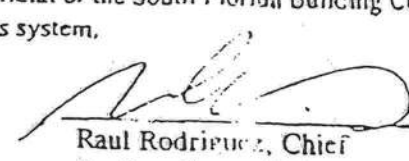
- 4.1 The residential insulated steel door and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters):  
Door Slab: The installation of this unit will not require a hurricane protective system.  
Sidelites: The installation of these units will require a hurricane protective system.

## 5. LABELING

- 5.1 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".

## 6. BUILDING PERMIT REQUIREMENTS

- 6.1 Application for building permit shall be accompanied by copies of the following:
- 6.1.1 This Notice of Acceptance
- 6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Raul Rodriguez, Chief  
Product Control Division



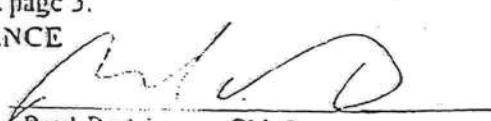
Dec. 28. 2001 5:04PM PREMDOR DICKSON 615 445 7229

4885 P. 14/52

Premdor Entry SystemsACCEPTANCE No. 01-1031.06APPROVED: December 11, 2001EXPIRES: November 5, 2006NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance.
  - a) Unsatisfactory performance of this product or process.
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

  
Raul Rodriguez, Chief  
Product Control Division





MASTER



**AMTROL** INC.

## **WEL-FLO<sup>®</sup>**

**Pre-pressurized  
Water System Tanks**

- Proven Diaphragm Design
- Tough Gloss Finish
- Sizes from 14 to 119 Gallons
- Outstanding Value





Pump and Tank Code  
Section 613  
Well Pumps and Tanks used for private potable water  
systems

July 1, 2001 *March 1, 2002*

*NEW HOME CONST ONLY*

613.1 Pumps. Well pumps used for potable water shall comply with sections 613.1.1 and 613.1.2  
613.1.1 Pump Installation. Pumps shall be installed for operation without re-priming or breaking suction. Pumps shall be connected to the well head by means of a union, companion flange or compression coupling in such a manner that it is accessible for maintenance, repair and, removal.  
613.1.2 Pump Sizing. Minimum pump size shall be determined by table 613.1.

Table 613.1  
Minimum Private Potable Water System Pump Size

Minimum Pump Size	Bathrooms in Home				
	1	1 1/2	2-2 1/2	3-4	5-6
	7gpm	10gpm	14gpm	17gpm	21gpm

Notes:

1. Values given are average and do not include high and low extremes
2. Installations over 6 bathrooms shall be approved by the code official

613.2 Pressure Tanks. Tanks relying on expansion of a flexible membrane within a restricting container, or tanks with direct water-to-air interface to provide pressure in the water system shall be used. All pressure tanks for storing potable water under pressure, including those having an airspace for pressure for expansion shall be identified by seal, label, or plate indicating the manufacturer's name and model number and shall meet the following specifications:

1. Pressure tank drawdown shall be a minimum of 1 gallon for every gallon produced by the pump (Example: 20 gallon per minute pump will require a draw of 20 gallons usable). Exceptions: Pump start applications, constant pressure devices and variable speed pumps.
2. Pressure tanks must be constructed of steel, fiberglass, or comparable materials. Tanks to be buried shall have a minimum wall thickness of 1/4 inch and be built by the manufacturer specifically for underground use. Fiberglass or other non-metallic tanks to be buried shall have the structural strength to prevent collapse.

613.3 Piping. Piping associated with well pumps and tanks shall comply with Sections 613.3.1 through 613.3.

613.3.1 Drop Pipe. The Drop pipe from the submersible pump to the first fitting past the well seal shall be either galvanized steel, stainless steel, or PVC Schedule 80 threaded/coupled or lock joint pipe. The drop pipe for a single (pipe) jet pump shall be either galvanized steel, or stainless steel. The drop pipe for a double (pipe) jet shall be galvanized steel, stainless steel on the suction side and/or minimum PVC Schedule 40 on the pressure side.

613.3.2 Pump Discharge pipe sizing. For submersible pumps, pipe size shall be equal to the pump discharge. Piping for all other types of pumps shall be sized in accordance to the manufacturer's specifications.

613.3.3 Pressure Tank Pipe Sizing. Piping size for the offset of the pressure tank shall use the piping friction loss charts for the piping material used.

613.4 Electrical wiring. All wiring shall be installed in accordance with chapter 27 of the Florida Building code and NFPA 70.

613.5 Disinfection. The pump installer shall disinfect any potable well and water system in accordance with Section 610.

613.6 Valves. A pressure relief valve shall be installed on any pumping system that can produce pressures of 75 psi or greater. A check valve shall be installed at the well head of submersible pumps.

\* Cycle Stop valves ARE CONSTANT PRESS DEVICE

\* Counties may Add Higher Demands



**FLOL<sup>INC.</sup>****WELL-X-TROL 5****assurized Diaphragm Well Tanks****CHAMPION, WEL-FLO, PRO-LINE** *See Flat Sheet-*

①

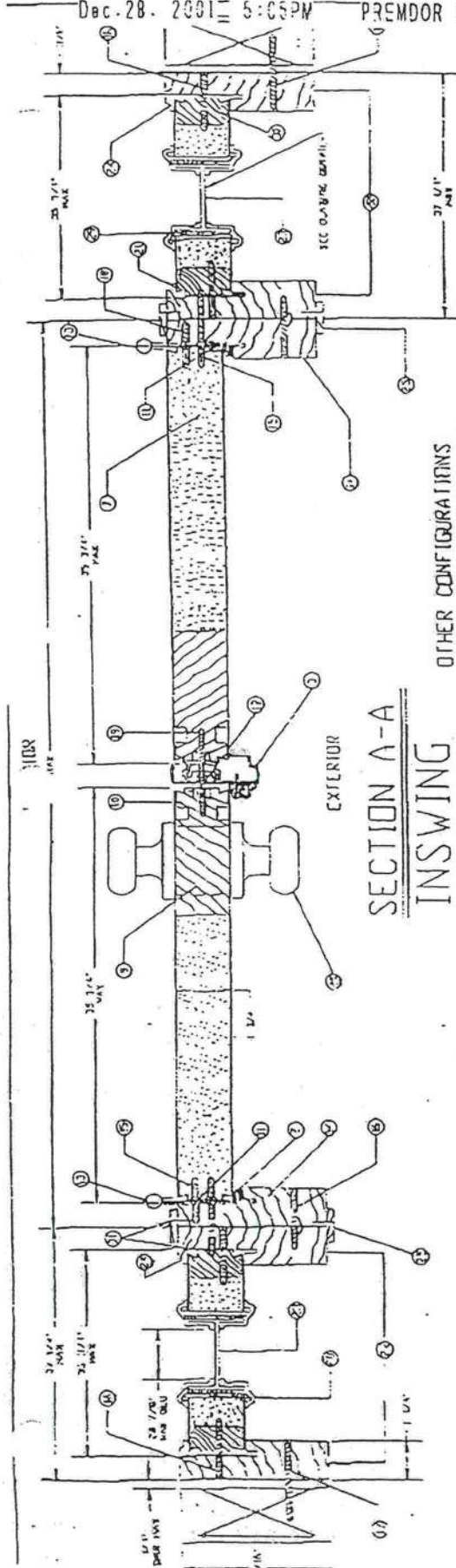
Model / Part No.	List Price (\$)	Diameter (ins)	Dimensions Height (ins)	Total Volume (gals)	Max. Accept. Factor	System Drawdown			Shipping Wt. (Vol.) lbs (cu ft)
						20/40 (gals)	30/60 (gals)	40/80 (gals)	
CH 4202/WF60/CA4202	213.00	15 1/4	31 1/4	20.0	0.57	8.0	6.8	5.9	33 (4.9)
CH 6000/WF80/CA6000	225.00	15 1/4	38 1/4	26.0	0.44	10.5	8.8	7.6	36.0
CH 8003/WF100/CA8003	364.00	15 1/4	46 1/4	32.0	0.35	-	10.9	9.4	43 (7.0)
CH 8205/WF110/CA8205	399.00	22	29 3/4	34.0	1.00	13.7	11.6	10.0	61 (9.6)
CH 10050/WF140/CA10050	461.00	22	36	44.0	0.77	17.7	15.0	13.0	69 (11.0)
CH 12051/WF200/CA12051	545.00	22	46 1/4	62.0	0.55	24.9	21.1	18.3	92 (13.9)
CH 17255/WF255/CA17255	585.00	22	56 3/4	81.0	0.41	32.6	27.5	23.9	103
CH 17252/WF252/CA17252	663.00	22	62 1/4	86.0	0.39	34.6	29.2	25.4	114 (18.1)
CH 17002/WF260/CA17002	647.00	26	47 1/4	86.0	0.54	34.6	29.2	25.4	123 (18.9)
CH 22050/WF360/CA22050	922.00	26	51 1/4	119.0	0.39	47.8	40.5	35.1	166 (24.5)

CH4202, CH6000, CH8003, WF60, WF80, WF100, CA 4202, CA6000, & CA8003 have a 1" NPTF system connection and a 28 psig pre-charge.

CH10050, CH12051, CH17255, CH17252, CH17002, CH22050 have a 1 1/2" NPTF system connection and a 39 psig pre-charge.



Dec. 28. 2001 5:05PM PREMDOR DICKSON 615 446 7229





**RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR  
FLORIDA BUILDING CODE 2001  
ONE (1) AND TWO (2) FAMILY DWELLINGS  
ALL REQUIREMENTS ARE SUBJECT TO CHANGE  
EFFECTIVE MARCH 1, 2002**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

- GENERAL REQUIREMENTS:** Two (2) complete sets of plans containing the following:

## Plans Examiner

- All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
- Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
- WILLIAM MYERS  
MARK DISOSWAY PE*
- Site Plan including:**
- Dimensions of lot
  - Dimensions of building set backs
  - Location of all other buildings on lot, well and septic tank if applicable, and all utility easements.
  - Provide a full legal description of property. *SEE FLOOD ZONE LETTER FROM MARK DISOSWAY*
- Wind-load Engineering Summary, calculations and any details required**
- Plans or specifications must state compliance with FBC Section 1606
  - The following information must be shown as per section 1606.1.7 FBC *CERTIFICATION BY MARK DISOSWAY*
    - Basic wind speed (MPH) *110*
    - Wind importance factor (I) and building category *1*
    - Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated *B*
    - The applicable internal pressure coefficient
    - Components and Cladding. The design wind pressure in terms of psf (kN/m<sup>2</sup>), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
- Elevations including:**
- All sides
  - Roof pitch *6/12*
  - Overhang dimensions and detail with attic ventilation *24" MAX*
  - Location, size and height above roof of chimneys *SHOW ON PLANS AS OPTIONAL*
  - Location and size of skylights
  - Building height *18'2" + FOUNDATION*
  - Number of stories *1*



**Floor Plan including:**

- ☐ ☒ a) Rooms labeled and dimensioned
- ☐ ☒ b) Shear walls
- ☐ ☒ c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown) *SEE ATTACH PACKET TO PLANS*
- ☐ ☒ d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth *SHOW AS OPTIONAL NO SPECIFICATION SUBMITTED*
- ☐ ☒ e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- ☐ ☒ f) Must show and identify accessibility requirements (accessible bathroom) *HALL BATHROOM ONLY*

**Foundation Plan including:**

- ☐ ☒ a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- ☐ ☒ b) All posts and/or column footing including size and reinforcing *W-12 PAGE S-1*
- ☐ ☒ c) Any special support required by soil analysis such as piling *MAY REQUIRE SOIL TEST FLOOD AREA SEE MARK DISOS WAY*
- ☐ ☒ d) Location of any vertical steel

**Roof System:**

- ☐ ☒ a) Truss package including:
  - 1. Truss layout and truss details signed and sealed by FI. Pro. Eng. *THOMAS MILLER PE*
  - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) *SEE SHEET S-1*
- ☐ ☒ b) Conventional Framing Layout including:
  - 1. Rafter size, species and spacing
  - 2. Attachment to wall and uplift
  - 3. Ridge beam sized and valley framing and support details
  - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

**Wall Sections including:**

- ☐ ☐ a) Masonry wall
  - 1. All materials making up wall
  - 2. Block size and mortar type with size and spacing of reinforcement
  - 3. Lintel, tie-beam sizes and reinforcement
  - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
  - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
  - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
  - 7. Fire resistant construction (if required)
  - 8. Fireproofing requirements
  - 9. Shoe type of termite treatment (termicide or alternative method)
  - 10. Slab on grade
    - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
    - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
  - 11. Indicate where pressure treated wood will be placed
  - 12. Provide insulation R value for the following:
    - a. Attic space
    - b. Exterior wall cavity
    - c. Crawl space (if applicable)



**b) Wood frame wall**

1. All materials making up wall
2. Size and species of studs *SEE WALL STUD TABLE SHEET S-1*
3. Sheathing size, type and nailing schedule
4. Headers sized *W-13 SHEET S1*
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail *SEE SHEET S-1*
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers) *SEE SHEET S1*
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating) *7/16" OSB TAMKO 110 MPH*
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method) *SHEET S-1*
11. Slab on grade
  - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed) *SHEET S-1*
  - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
  - a. Attic space *R-3*
  - b. Exterior wall cavity *R-13*
  - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

**Floor Framing System:**

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

**Plumbing Fixture layout**

**Electrical layout including:**

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans *2*
- c) Smoke detectors *6*
- d) Service panel and sub-panel size and location(s) *NOT SHOWN ON PLANS*
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms *SEE ELECTRICAL LEGEND*

**HVAC information**

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom *2*

**Energy Calculations** (dimensions shall match plans) *ARE SAME*

**Gas System** Type (LP or Natural) Location and BTU demand of equipment

**Disclosure Statement for Owner Builders**

**\*\*\*Notice Of Commencement Required Before Any Inspections Will Be Done**

**Private Potable Water**

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

GFCI  
BATH, KIT,  
GARAGE  
2 EXTERIOR

## **THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.  
(386) 758-1058 ( **Toilet facilities shall be provided for construction workers** )
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**  
A development permit will also be required. Development permit cost is **\$50.00**
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**\$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**\$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

**ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK**



# **NOTICE:**

## **ADDRESSES BY APPOINTMENT ONLY!**

**TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:**

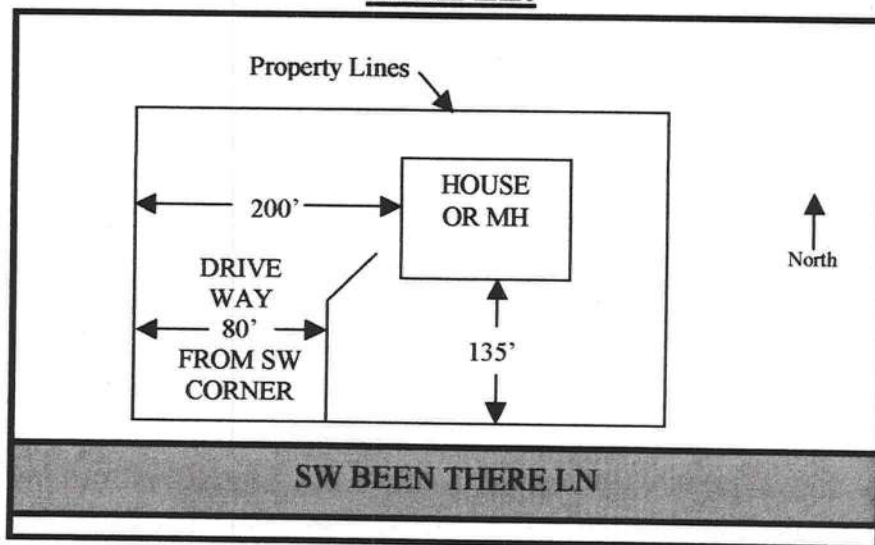
## **YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!**

**THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).**

### **THE REQUESTER WILL NEED THE FOLLOWING:**

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
  - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
  - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
  - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

### **SAMPLE:**



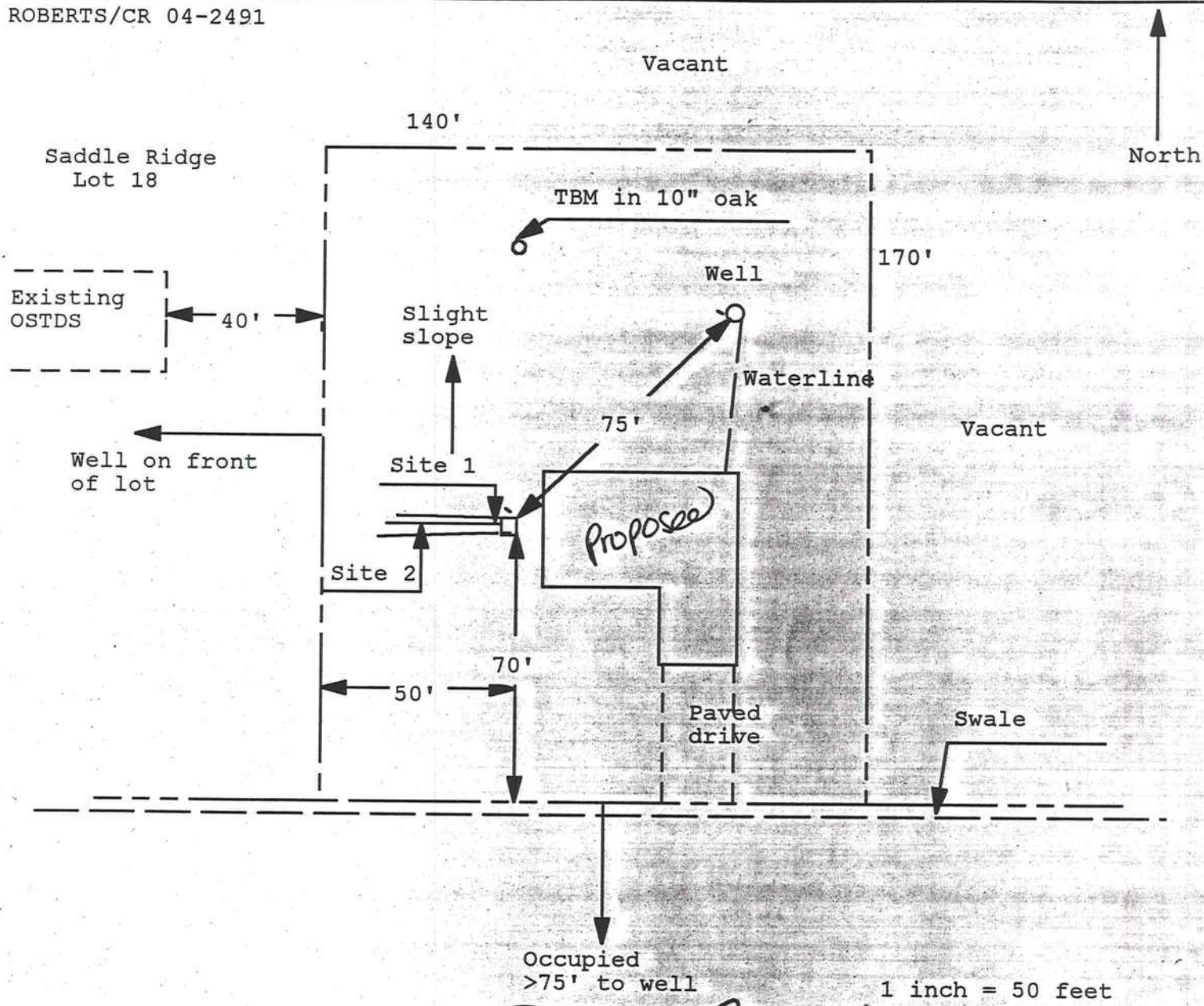
**NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY**



Application for Onsite Sewage Disposal System  
Construction Permit. Part II Site Plan  
Permit Application Number: 05-0121N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ROBERTS/CR 04-2491



Site Plan Submitted By Paul Lloyd Date 12/21/04  
Plan Approved ☒ Not Approved ☐ Date 12/21/04  
By Paul Lloyd Salah Bahr CPHU 2-7-05

Notes: \_\_\_\_\_