



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)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

**Republic Builders Products**  
**155 Republic Drive**  
**McKenzie, TN 38201**

**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 "DM 418" Flush Outswing Commercial Steel Door**

**APPROVAL DOCUMENT:** Drawing No "5001-46", titled "DM418 4080 Single Door and ME416 534 Frame", dated 08/19/97 and last revised on 08-05-98, sheets 1 through 4 of 4 prepared by manufacturer, 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: Large and Small Missile Impact Resistant**

**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 # 01-0907.08 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 06-1002.16  
Expiration Date: October 01, 2008  
Approval Date: March 29, 2007  
Page 1

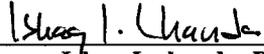


4  
3/29/07

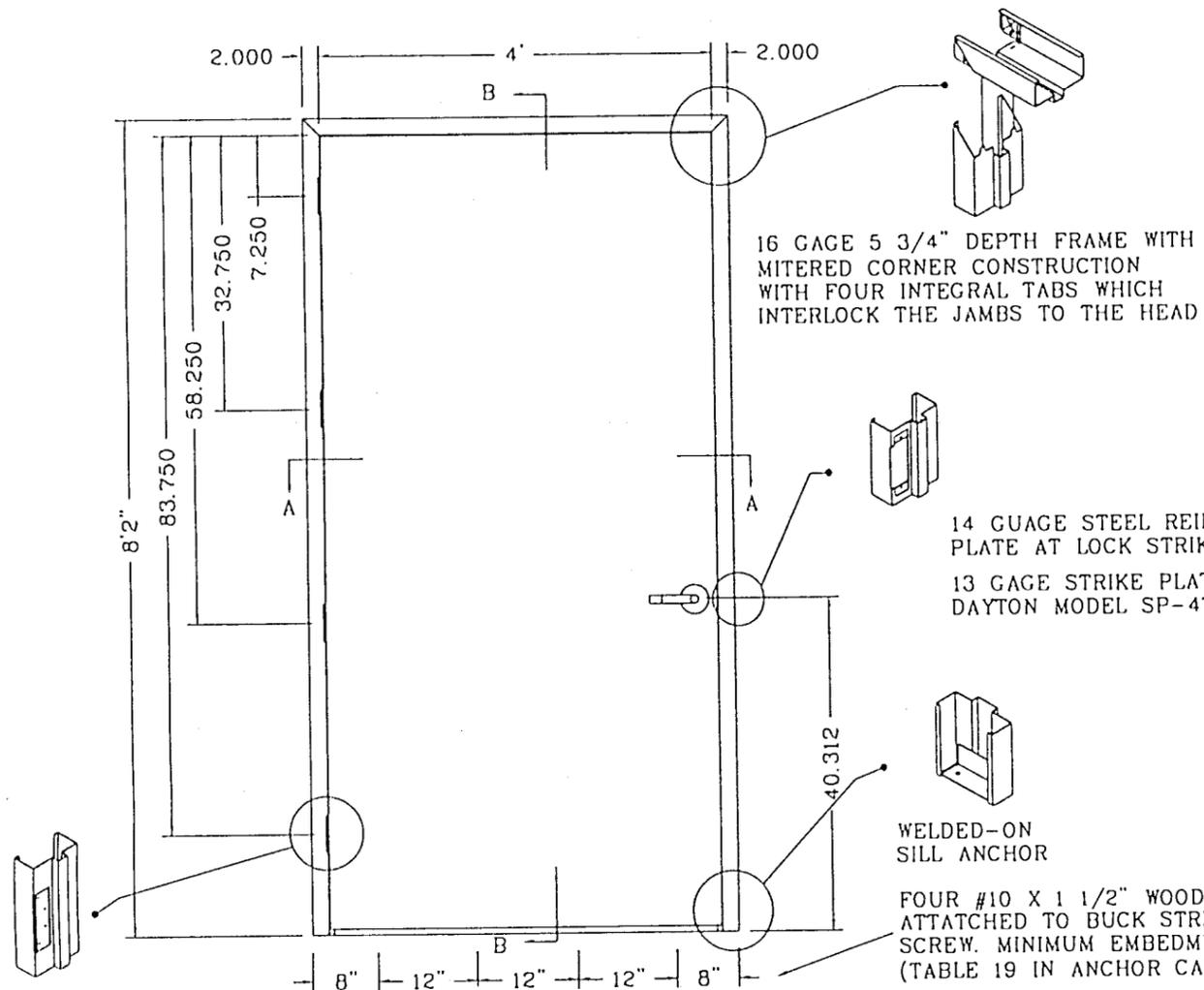
**Republic Builders Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS** (transferred from file # **01-0907.08**)
1. Manufacturer's parts and sections drawings.
  2. Drawing No "**5001-46**", titled "DM418 4080 Single Door and ME416 534 Frame", dated 08/19/97 and last revised on 08-05-98, sheets 1 through 4 of 4 prepared by manufacturer.
- B. TESTS** (transferred from file # **01-0907.08**) The original test conducted per PA 201, 202, 203-94, now termed as TAS 201, TAS 202 & 203-94:
1. Test Report No. **FTL97040**, prepared by Fenestration Testing Laboratory Inc., dated September 22, 1997 and re-issued November 21, 1997 and 8-17-1998, signed and sealed by Gilbert Diamond, P.E., for the following tests:
    - 1) Air Infiltration Test, per PA 202-94
    - 2) Uniform Static Air Pressure Test, Loading per PA 202-94
    - 3) Water Resistance Test, per PA 202-94
    - 4) Large Missile Impact Test per SFBC, PA 201-94
    - 5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
    - 6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
- Along with manufacturer's parts and section drawings marked by Fenestration Testing.
- C. CALCULATIONS**
1. Anchor verification letter dated 26 January 2007, compliance to FBC 2004, prepared, signed and sealed by Rick Curkeet, P. E.
  2. Anchor calculations prepared by Product & Application Engineering, Inc., dated 10/27/97, signed and sealed by Kelvyn Whitfield, P.E.(transferred from file # 01-0907.08)
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS** (transferred from file # **01-0907.08**)
1. Tensile Test prepared by ATC Inc., Report No. 90931.0009(FTL#1684), dtd 10/03/97 steel samples, tested per ASTM A370-95, signed and sealed by Peter Read, P.E.
- F. STATEMENTS**
1. Statement letter of conformance "No financial interest" and dated 26 January 2007, prepared, signed and sealed by Rick Curkeet, P. E.
  2. Stateman letter of conformance and " No financial interest", dated October 29, 1997, signed by Kelvyn Whitfield, P. E.
  3. Statement letter of compliance issued by Fenestration Testing Laboratories, as part of above referenced test report.
- G. OTHER**
1. This NOA **renews** NOA # **01-0620.09**, **expired on October 01, 2006.**
  2. **1 year conditional approval subjected to re-verification test.**
  3. Letter issued by Intertek dated Jan 26, 2007 for upcoming scheduled test by Republic Builders products.
  4. The other NOA(s) associated with this file is 98-0515.04.

  
Ishaq I. chanda, P.E.  
Product Control Examiner  
NOA No 06-1002.16  
Expiration Date: October 01, 2008  
Approval Date: March 29, 2007

REV	ECN	DATE	REVISION	BY
A	80048	8/5/98	RELEASED	FR



9 GAUGE HINGE REINFORCEMENT PLATE AT EACH HINGE LOCATION  
HINGES: CAL ROYAL MODEL BB31  
DIMENSIONS: 4 1/2" X 4 1/2"

WIRE MASONRY ANCHOR APPLICATION  
MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

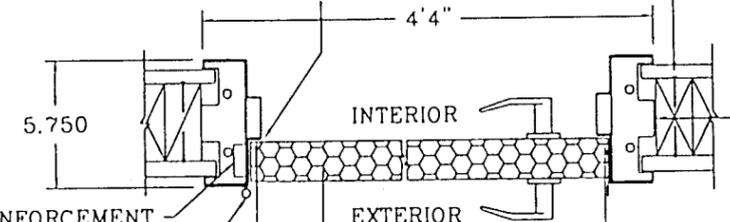
T-MASONRY ANCHOR APPLICATION  
MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

HORIZONTAL CROSS SECTION A-A

TWO #12 X 3 WOOD SCREWS PER ANCHOR  
106 LBS PER SCREW MINIMUM EMBEDMENT IS 1.148". (TABLE 19 IN ANCHOR CALCS.)

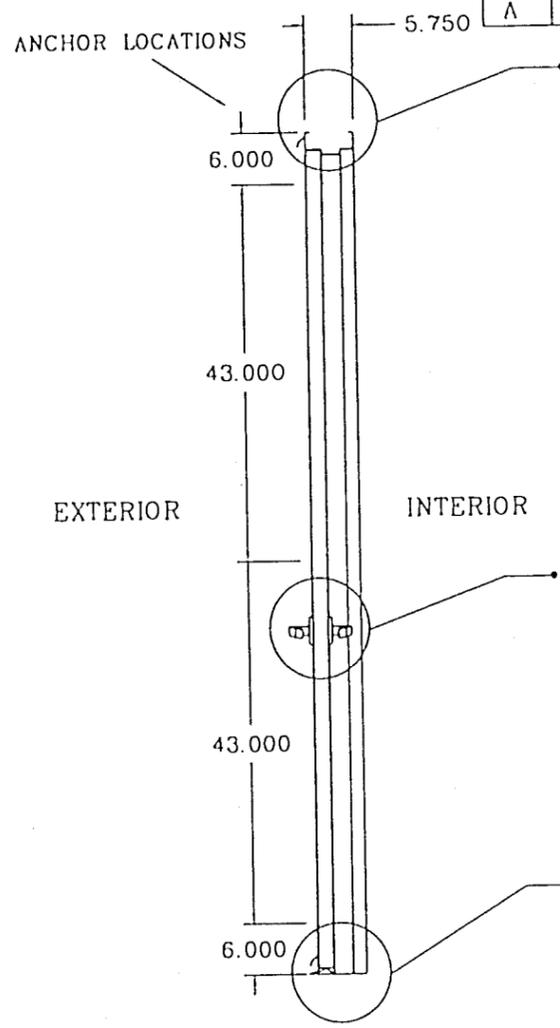
REESE 897 WEATHERSTRIP LOCATED VERTICALLY ALONG SOFFIT OF JAMB.

MAXIMUM SHIM SPACE BETWEEN ANCHOR AND STUD IS 1/4". (WOOD STUD ANCHOR SHOWN)



9 GAUGE HINGE REINFORCEMENT  
CAL-ROYAL BB31 HINGE  
REESE 807C WEATHERSTRIP LOCATED VERTICALLY ALONG STOP OF JAMB.

REESE 807C WEATHERSTRIP LOCATED VERTICALLY ALONG STOP OF JAMB.  
DOOR DIMENSIONS: 4' W X 8' H X 1.750" T (NOMINAL)  
47.750" W X 95.125" H X 1.750" T (ACTUAL)  
DOOR CORE MATERIAL: TYPE 99-0-3/4 KRAFT PAPER HONEYCOMB  
DOOR SKIN MATERIAL: 18 GAGE COLD ROLLED STEEL  
YIELD STRENGTH: 35,600 PSI



16 GAGE CHANNEL WITH OPTIONAL 12 GAGE CLOSER REINFORCEMENT ALONG TOP PERIMETER OF DOOR.  
WEATHERSTRIPPING:  
REESE 353A ALUMINUM (ALLOY 6063-T5) DRIP CAP WITH VYNIL FLAP. REESE VINYL BULB 897 AND 807C ALONG HEADER.

DESIGN PRESSURE RATING	
POSITIVE	+90 PSF
NEGATIVE	-90 PSF

HARDWARE  
BEST 93K7D15D LEVER TYPE CYLINDRICAL LOCK  
16 GAGE CYLINDRICAL LOCK REINFORCEMENT AT LOCK LOCATION.  
16 GAGE CHANNEL INSIDE VERTICAL PERIMETER OF DOOR ON HINGE SIDE.  
16 GAGE CHANNEL ALONG BOTTOM PERIMETER OF DOOR.  
REESE TB 550A THRESHOLD WITH T1.7A ALUMINUM ALLOY (6063-T5) HOOK.  
DIMENSIONS: 1/2"H X 5"W

VERTICAL CROSS SECTION B-B

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0907.08  
EXPIRATION DATE Oct. 01, 2006  
By Ishaq I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE October 01, 1998  
BY Ishaq I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0515-04

**PRODUCT RENEWED**  
As complying with the Florida Building Code  
Acceptance No 06-1002.16  
Expiration Date 02/01/2008  
By Ishaq I. Chanda  
Product Control Division

ALL DIMENSIONS TO HAVE A TOLERANCE OF ± 1/32 FOR WHOLE NUMBERS OR FRACTIONS THEREOF AND ± .010 FOR DECIMALS UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

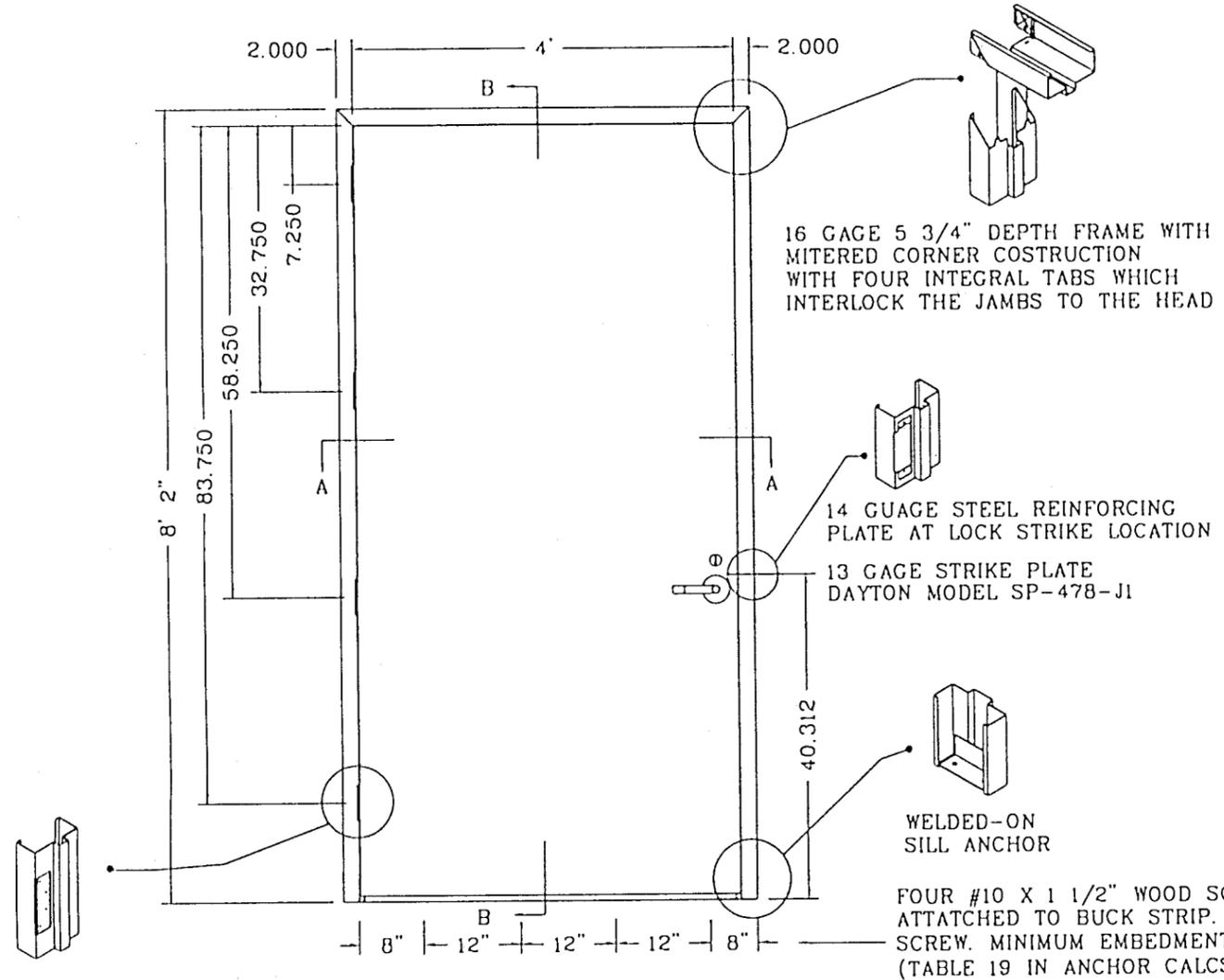
**Republic doors · frames**  
McKenzie, TN

TITLE: DM418 4080 SINGLE DOOR AND ME416 534 FRAME ASSY. FOR DADE COUNTY HURRICANE TESTING

SUPERSEDES: NONE  
DRAWN BY: MG  
DATE: 8/19/97  
CHECKED: WK  
APPROVED: CO

SIZE: B  
SHEET: 1 OF 4  
DWG NO.: 5001-46  
SCALE: NTS  
PART NO.: N/A  
MATERIAL: NOTED  
REV. A

REV	ECN	DATE	REVISION	BY
A	80048	8/5/98	RELEASED	JH



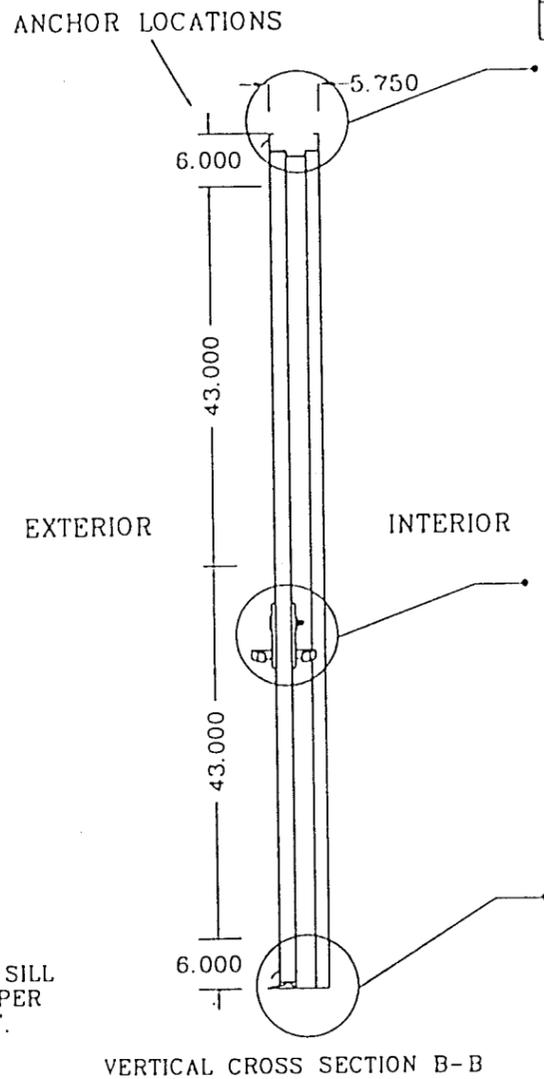
HORIZONTAL CROSS SECTION A-A

9 GAUGE HINGE REINFORCEMENT PLATE AT EACH HINGE LOCATION

HINGES: CAL ROYAL MODEL BB31 DIMENSIONS: 4 1/2" X 4 1/2"

WIRE MASONRY ANCHOR APPLICATION MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

T-MASONRY ANCHOR APPLICATION MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

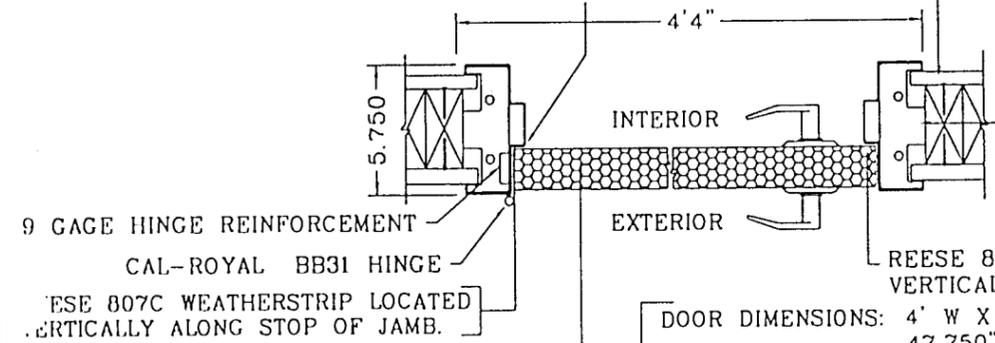


DESIGN PRESSURE RATING	
POSITIVE	+90 PSF
NEGATIVE	-90 PSF

REESE 897 WEATHERSTRIP LOCATED VERTICALLY ALONG SOFFIT OF JAMB.

TWO #12 X 3 WOOD SCREWS PER ANCHOR 106 LBS PER SCREW. MINIMUM EMBEDMENT IS 1.148". (TABLE 19 IN ANCHOR CALCS.)

MAXIMUM SHIM SPACE BETWEEN ANCHOR AND STUD IS 1/4". (WOOD STUD ANCHOR SHOWN)



DOOR DIMENSIONS: 4' W X 8' H X 1.750" T (NOMINAL)  
47.750" W X 95.125" H X 1.750" T (ACTUAL)

DOOR CORE MATERIAL: TYPE 99-0-3/4 KRAFT PAPER HONEYCOMB

DOOR SKIN MATERIAL: 18 GAGE COLD ROLLED STEEL YIELD STRENGTH: 35,600 PSI

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 06-1002-16  
Expiration Date 06/01/2008

**PRODUCT RENEWED**

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

ACCEPTANCE No. 01-0907.08 DATE October 01, 1998

EXPIRATION DATE Oct. 01, 2006

BY Shag I. Chanda

PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 98-0515.04

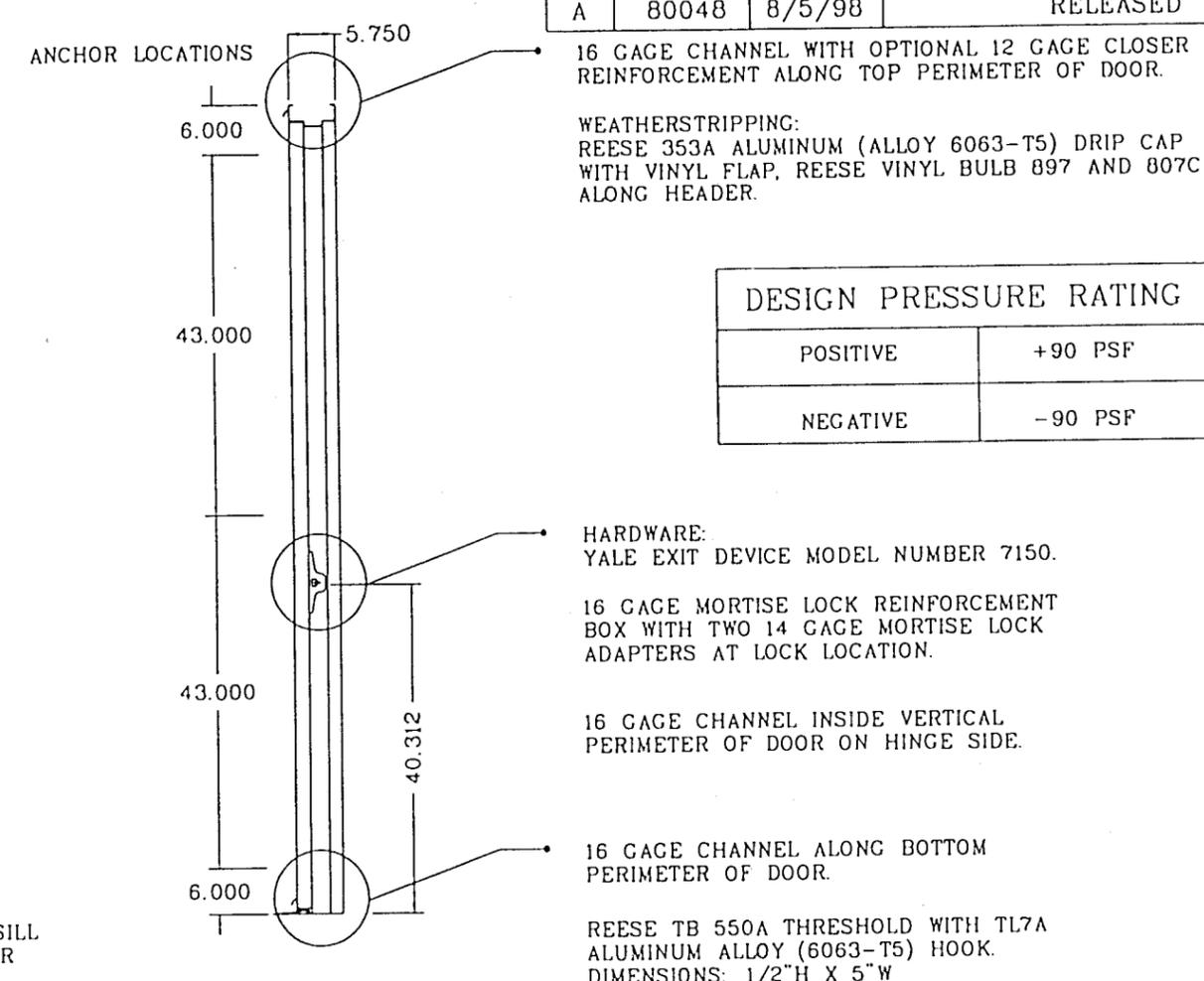
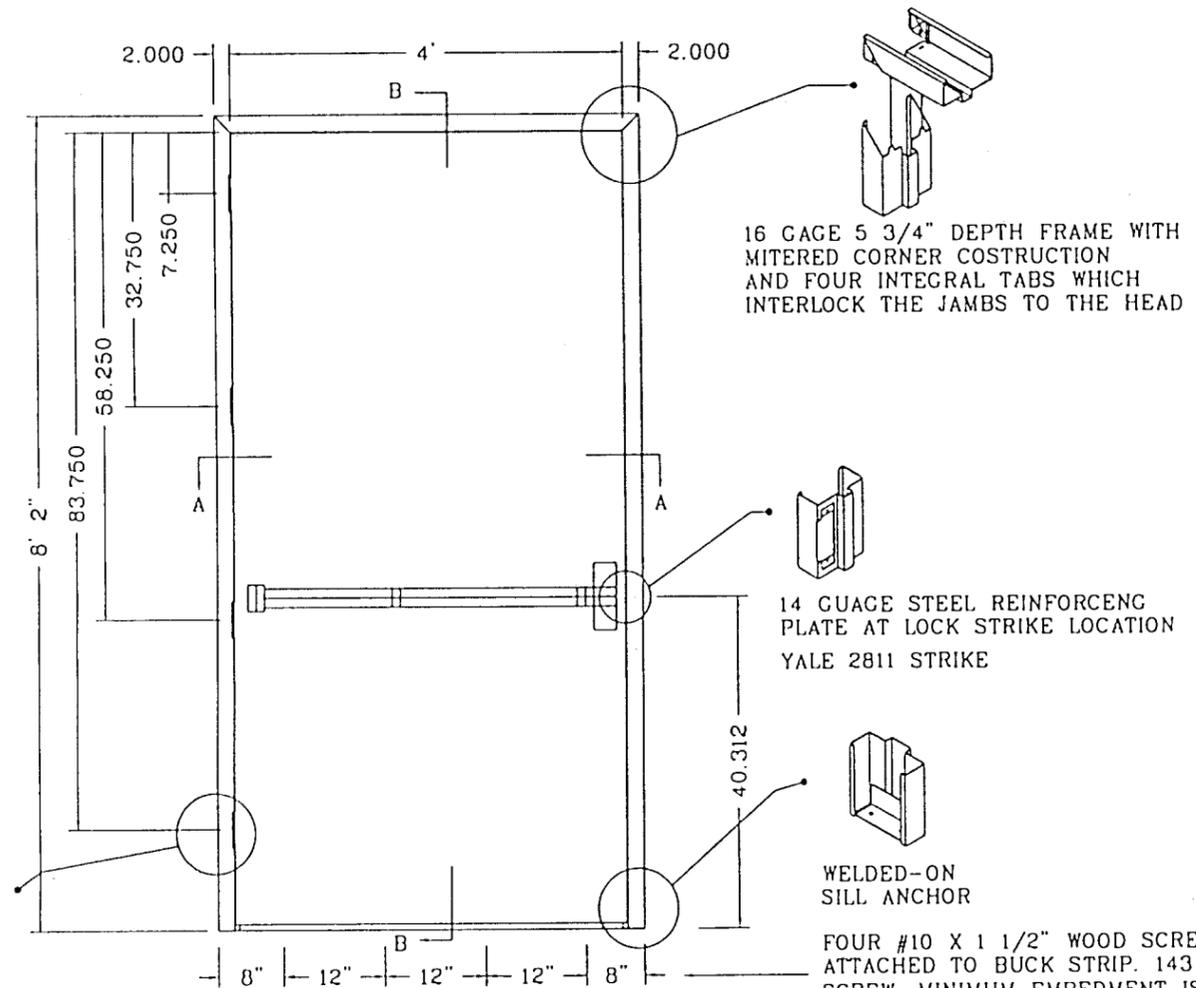
ALL DIMENSIONS TO HAVE A TOLERANCE OF 1/32 FOR WHOLE NUMBERS OR FRACTIONS THEREOF AND 1/100 FOR DECIMALS UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

**Republic doors • frames**  
McKenzie, TN

TITLE: DM418 4080 SINGLE DOOR AND ME416 534 FRAME ASSY. FOR DADE COUNTY HURRICANE TESTING			
SUPERSEDES: NONE		SUPERSEDED BY: NONE	
DRAWN BY: MG	DATE: 8/19/97	CHECKED: WK	APPROVED: CO
SIZE: B	SHEET: 2 OF 4	DWG NO.: 5001-46	REV: A
SCALE: NTS	PART NO: N/A	MATL: NOTED	

REV	ECN	DATE	REVISION	BY
A	80048	8/5/98	RELEASED	WK



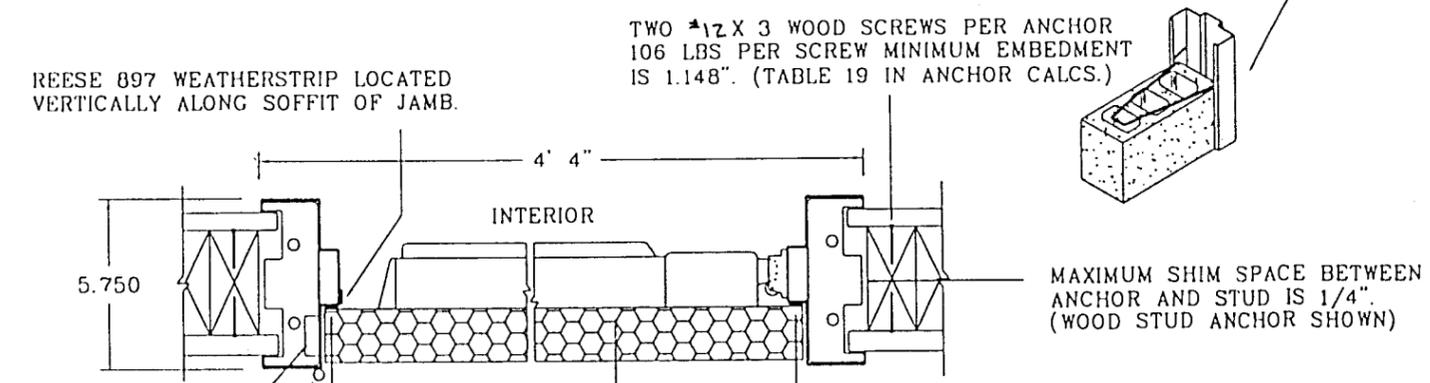
DESIGN PRESSURE RATING	
POSITIVE	+90 PSF
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9 GAUGE HINGE REINFORCEMENT PLATE AT EACH HINGE LOCATION  
HINGES: CAL ROYAL MODEL BB31  
DIMENSIONS: 4 1/2" X 4 1/2"

WIRE MASONRY ANCHOR APPLICATION  
MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

T-MASONRY ANCHOR APPLICATION  
MINIMUM CONCRETE STRENGTH AT SILL AND JAMB: 1500 PSI.

HORIZONTAL CROSS SECTION A-A



DOOR DIMENSIONS: 4' W X 8' H X 1.750" T (NOMINAL)  
47.750" W X 95.125" H X 1.750" T (ACTUAL)  
DOOR CORE MATERIAL: TYPE 99-0-3/4 KRAFT PAPER HONEYCOMB  
DOOR SKIN MATERIAL: 18 GAGE COLD ROLLED STEEL  
YIELD STRENGTH: 35,600 PSI

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0907.08  
EXPIRATION DATE Oct. 01, 2006

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE October 01, 1998  
BY Ishaq I. Chaudhry  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0515.04

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 06-1002.16  
Expiration Date OCT 01, 2008  
By Ishaq I. Chaudhry  
Miami-Dade Product Control Division

ALL DIMENSIONS TO HAVE A TOLERANCE OF ± 1/32 FOR WHOLE NUMBERS OR FRACTIONS THEREOF AND ± .010" FOR DECIMALS UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.

**Republic doors · frames**  
McKenzie, TN

TITLE: 4080 SINGLE DOOR AND FRAME ASSEMBLY FOR DADE COUNTY HURRICANE TESTING

SUPERSEDES: NONE SUPERSEDED BY: NONE

DRAWN BY: MG DATE: 8/19/98 CHECKED: WK APPROVED: CO

SIZE: B SHEET: 3 OF 4 DWG NO.: 5001-46 REV: A

SCALE: NTS PART NO. N/A MATL. NOTED

# BILL OF MATERIALS FOR DM418 4080 DOOR AND ME416 534 FRAME ASSEMBLY

DOORS					
PART NUMBER	QTY	DESCRIPTION	MATERIALS	BASIC DIMENSIONS (in.)	LOCATION
N/A	1	18 Gage Steel Flush Door With Cylindrical Lock	See Component List	48.000 x 96.000 (Nominal)/ 47.750 x 95.125 (Actual)	Cylindrical Lock Configuration
N/A	1	18 Gage Steel Flush Door With Mortise Lock	See Component List	48.000 x 96.000 (Nominal)/ 47.750 x 95.125 (Actual)	Mortise Lock Configuration
N/A	1	18 Gage Steel Flush Door Exit Device	See Component List	48.000 x 96.000 (Nominal)/ 47.750 x 95.125 (Actual)	Exit Device Configuration
COMPONENTS:					
PART NUMBER	QTY	DESCRIPTION	MATERIALS	BASIC DIMENSIONS (in.)	LOCATION
3990811	1	18 Gage Cover	18 Gage Cold Rolled Steel, Yield Strength 35,600 PSI	.042 Min. x 48.984 x 95.125 (Flat)	Door Cover
3989751	1	18 Gage Panel	18 Gage Cold Rolled Steel, Yield Strength 35,600 PSI	.042 Min. x 50.156 x 95.125 (Flat)	Door Panel
3988361	1	Top channel	16 Gage Cold Rolled Steel	.057 Min x 1.677 x 0.620 x 47.563 (Formed)	Inside Top Perimeter of Door
3909282	1	Closer Reinforcement	12 Gage Hot Rolled Steel	.101 Min x 1.682 x 6.000 x 18.000 (Formed)	Spotwelded to Top Channel
3987361	1	Bottom Channel	16 Gage Cold Rolled Steel	.057 Min x 1.677 x 0.620 x 47.563 (Formed)	Inside Top Perimeter of Door
3993013	1	Honeycomb Core	Type 99-0-3/4 Kraft Paper Honeycomb	1.740 x 56.000	Door Core Material
3916250	1	Mortise Lock Reinforcement (Mortise & Exit Device)	16 Gage Cold Rolled Steel	.057Nom. x 1.557 x 8.018 (Formed)	Inside Vertical Perimeter of Door on Lock Side
3983106	2	Mortise Lock Adapter (Exit Device Only)	14 Gage Hot Rolled Steel	.071 x 1.625 x 5.125 x 3.625 (Formed)	Spotwelded to Mortise Reinforcement Box
3983100	1	Cylindrical Lock Reinforcement (Cyl. Lock Only)	16 Gage Cold/Hot Rolled Steel	.054 x 1.610 x 3.500 x 4.0625 (Formed)	Spotwelded to Door Skin At Lock Location
3988502	1	Hinge Channel	16 Gage Cold/Hot Rolled Steel	.112 Min x 1.660 x .750 x 82.875 (Formed)	Inside Vertical Perimeter of Door on Hinge Side
FRAMES					
PART NUMBER	QTY	DESCRIPTION	MATERIALS	BASIC DIMENSIONS (in.)	LOCATION
3200091	1 PAIR	80 534 Depth Jamb Pair, LH (3200095, RH)	16 Gage Cold Rolled Steel	.053 x 5.750 x 86.000 (Formed)	Hinge and Strike Jamb
3832028	3	4.500" Hinge Tap Plate Std/Hvy Weight	9 Gage Cold/Hot Rolled Steel	.141 x 7.500 x 1.625	Inside Hinge Jamb at Each Hinge Location
3812502	3	4 1/2" Hinge Mortar Guards	26 Gage Cold Rolled Steel	.018 x 5.250 x .313 (Formed)	Attached to Each Hinge Tap Plate
3832032	1	4 7/8" Strike Tap Plate	14 Gage Hot Rolled/Cold Rolled Steel	.071 x 7.500 x 1.813	At Lock Location on Strike Jamb
3812501	1	4 7/8" Strike Mortar Guard	26 Gage Cold Rolled Steel	.018(T) x 1.031(H) x 2.00(W) x 5.438	At Lock Location on Strike Jamb
3310095	1	40 534 Depth Header	16 Gage Cold Rolled Steel	.053 x 5.750 x 75.813 (Formed)	Header
3909308	4	Corner Clip	18 Gage Cold Rolled Steel	.042 x 1.84 x 1.852	Outer Corner of Each Header Inside Throat
HARDWARE					
PART NUMBER	QTY	DESCRIPTION	MATERIALS	BASIC DIMENSIONS (in.)	LOCATION
93K7D15D	1	Best Cylindrical Lock	Meets ANSI A156.2, Series 4000, Grade 1	2.750 x 5.375 x 3.500	40.312" From Bottom of Door
35H7FD15J	1	Best Mortise Lock	Meets or Exceeds ANSI A156.13, Series 1000, Grade 1 Operational, and Grade 2 Security	1.000 x 4.250 x 6.125	40.312" From Bottom of Door
SP-478-J1	1	Latchbolt x Deadbolt Strike (Cyl. and Mortise Locks)	13 Gage Steel	.094 x 4.875 x 1.125	At Cylindrical and Mortise Lock Locations, Respectively on Strike Jamb
7150	2	Yale Rim Exit Device	Meets ANSI 156.3 Type 28 or 1	44 7/8"L x 3 1/4"T	40.312" From Bottom of Door
2811	1	Yale Exit Device Strike	Meets ANSI 156.3 Type 28 or 1	3 1/4" Long	At Exit Device Location on Strike Jamb
BB31	4	Cal-Royal Hinges		4 1/2" x 4 1/2"	7.25", 32.75", 58.25", 83.75" From top of Header to Hinge Center
WEATHER STRIPPING					
PART NUMBER	QTY	DESCRIPTION	MATERIALS	BASIC DIMENSIONS (in.)	LOCATION
897	3	Reese Vinyl Bulb	Vinyl (ASTM D-2287-81), Tensile Strength: 1650 PSI	.625 x 48.000 and .625 x 96.000	At Frame Head and Jamb Weatherstrip Adapter
807C	4	Reese Vinyl Bulb	Vinyl (ASTM D-2287-81), Tensile Strength: 1650 PSI	.625 x 48.000 and .625 x 96.000	At Frame Head, Jamb and Aluminum Angle at Panel Bottom Rail
597AP	1	Reese Pile	Aluminum (6063-T5) Door Shoe with Pile Insert	2.363 x 1.218 x 48.000	At Panel Bottom Rail Weatherstrip Adapter
353A	1	Vinyl Flap	Aluminum (6063-T5) Rain Drip with Vinyl Flap	1.750 x 1.750 x 48.000	At Aluminum Drip Cap at Frame Head
T550	1	Reese Threshold	Aluminum (6063-T5)	1.500 x 5.000 x 48.000	At Door Sill

**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-1002.16  
 Expiration Date Oct 01 2008  
 By Ishag I. Chaudh  
 Product Control Division

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0907.08  
 EXPIRATION DATE Oct. 01 2006  
 By [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE October 01 1998  
 BY Ishag I. Chaudh  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 98-0515.04

TITLE: <u>4080 SINGLE Door</u>	
BILL OF MATERIAL	
DWG. No: <u>5001-46</u>	SHEET <u>4</u> OF <u>4</u>
DATE: <u>8/5/98</u>	DESIGNED BY: <u>C.J.O.</u>