



MIAMI-DADE COUNTY
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
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Gensteel Doors, Inc.
4950 Hickmore Street
Ville St. Laurent, Quebec, Canada H4T 1K6

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 Genstorm 3070 Steel Single Door System

APPROVAL DOCUMENT: Drawing No. **GS-10004**, titled "3070 Single Door System Genstorm Series", sheets 1 through 6 of 6, prepared by the manufacture, dated 03/2005, signed and sealed by Kelvyn Whitfield, 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: 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.

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 **Herminio F. Gonzalez, P.E., Director, BCCO**



MX
07/14/05

NOA No 05-0127.10
Expiration Date: August 04, 2010
Approval Date: August 04, 2005
Page 1

Gensteel Doors, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **GS-1004**, titled "3070 Single Door System Genstorm Series", sheets 1 through 6 of 6, prepared by the manufacture, dated 03/2005, signed and sealed by Kelvyn Whitfield, 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) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94along with marked-up drawings and installation diagram of **steel outswinging door**, prepared by Intertek Testing Services NA LTD., Test Reports No. **ITS-3058370-SINGLE**, dated 12/09/04, signed and sealed by Stephen J. Emerman, P. E.

C. CALCULATIONS

1. Anchor Calculations, and structural analysis, prepared by Kelvyn A. Whitfield, P.E. Consulting Engineer, dated 05/18/05, signed and sealed by Kelvyn Whitfield, P.E.
2. Revised Anchor Calculations, and structural analysis, prepared by Kelvyn A. Whitfield, P.E. Consulting Engineer, dated 07/05/05, signed and sealed by Kelvyn Whitfield, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

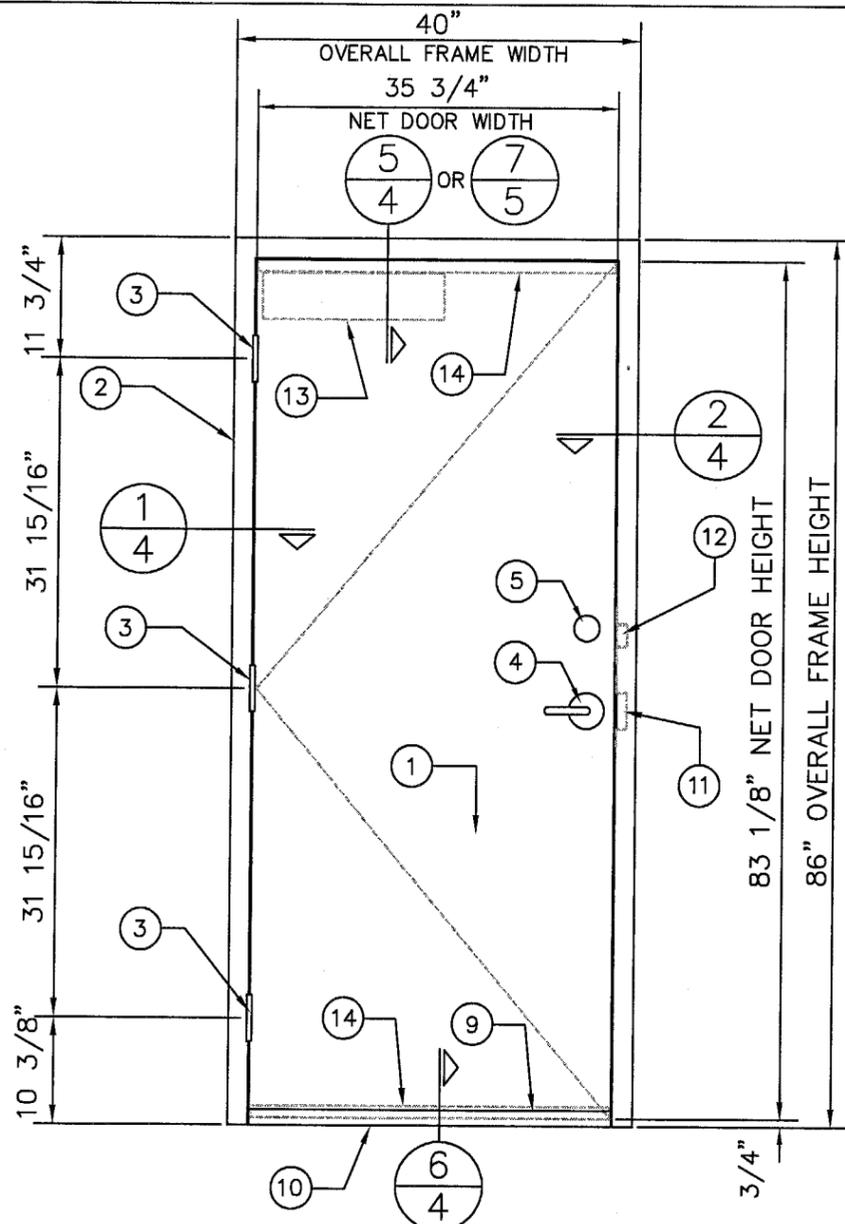
1. Statement letter of code compliance and no financial interest, dated January 18, 2005 signed and sealed by Antonio Gervasi, P.E.

G. OTHER

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

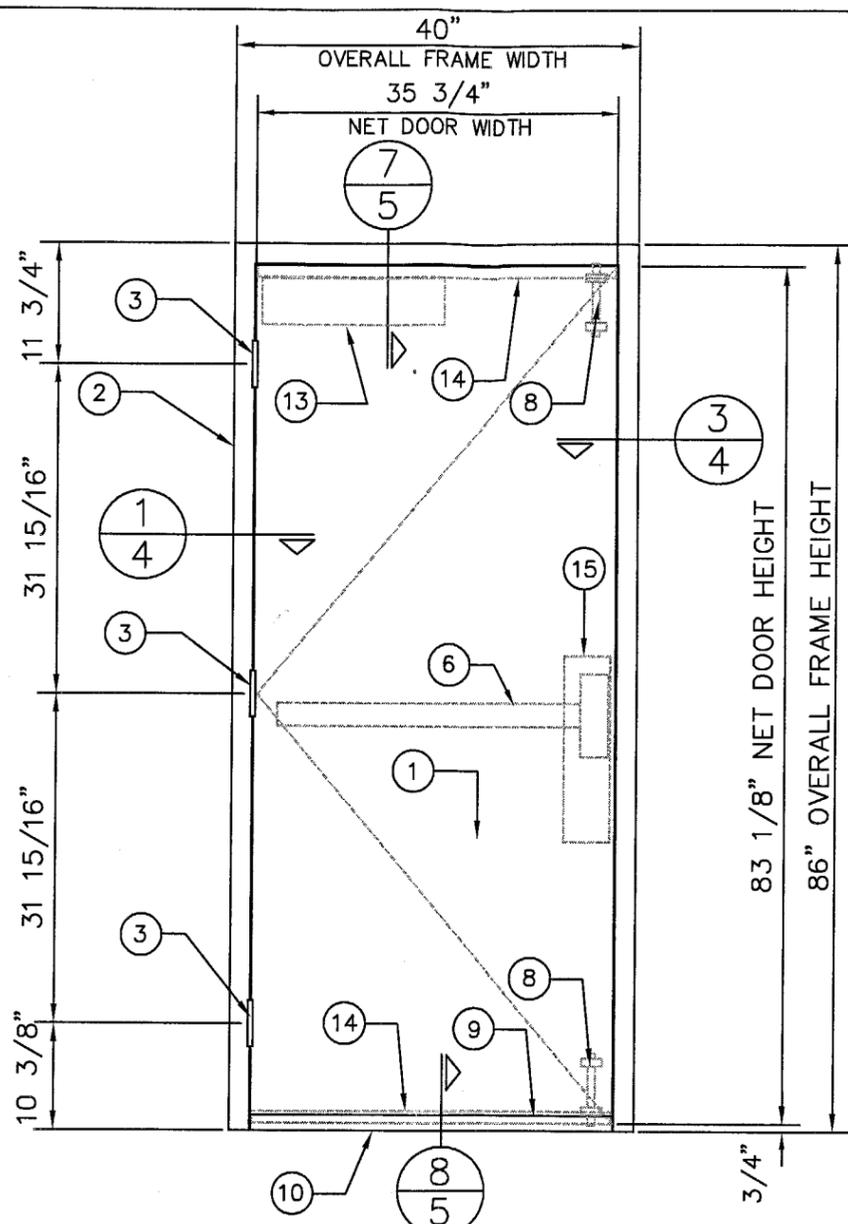


Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office
NOA No 05-0127.10
Expiration Date: August 04, 2010
Approval Date: August 04, 2005



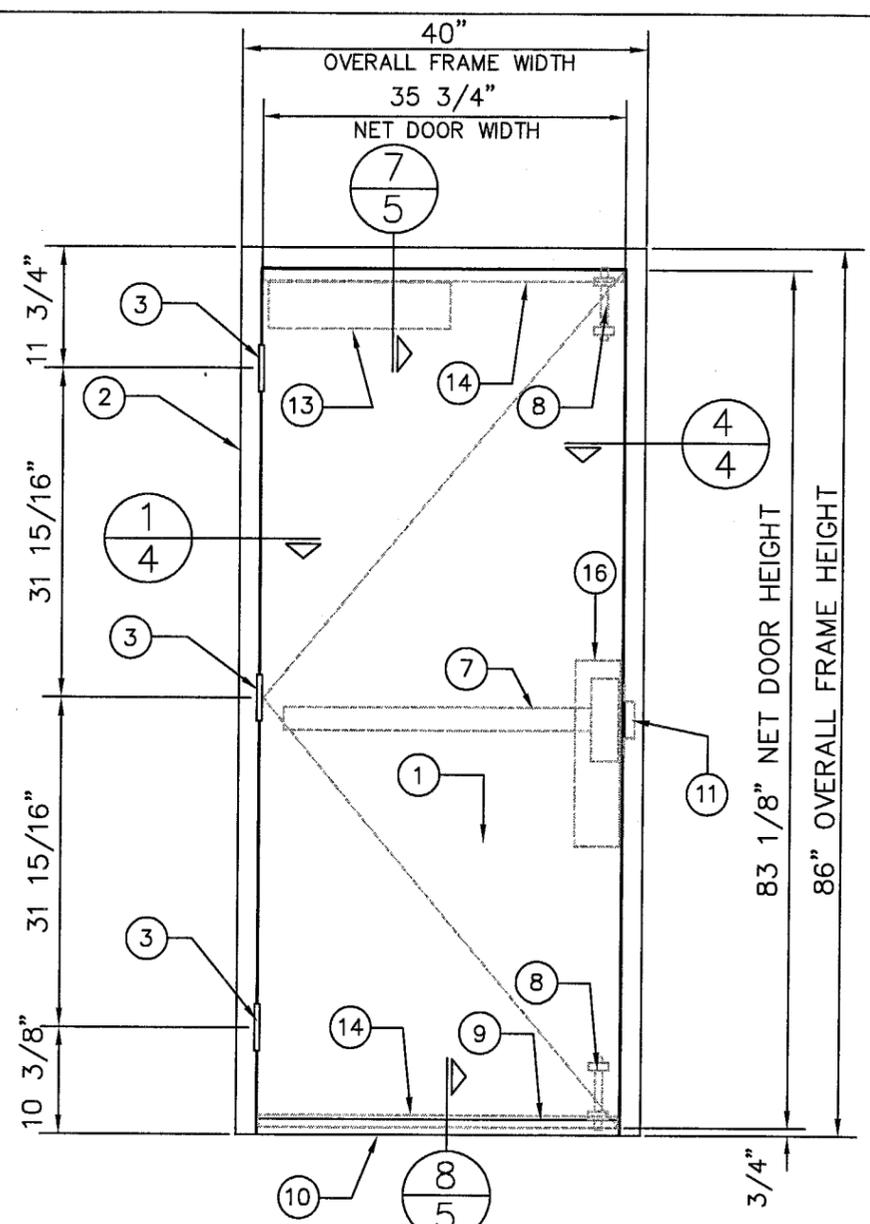
ELEVATION - A -
EXTERIOR VIEW (OUTSWING)

- HARDWARE PACKAGE:**
 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
 1 - DOREX FC 10 SERIES LEVER LOCK
 1 - DOREX FHA51 DEADBOLT
 1 - UNIQUE SASH DOOR SWEEP #2100
 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD



ELEVATION - B -
EXTERIOR VIEW (OUTSWING)

- HARDWARE PACKAGE:**
 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
 1 - VON DUPRIN 98EO RIM EXIT DEVICE WITH #229 STRIKE
 2 - IVES SB453 SURFACE BOLTS
 1 - UNIQUE SASH DOOR SWEEP #2100
 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD



ELEVATION - C -
EXTERIOR VIEW (OUTSWING)

- HARDWARE PACKAGE:**
 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
 1 - VON DUPRIN 9875EO MORTISE EXIT DEVICE
 2 - IVES SB453 SURFACE BOLTS
 1 - UNIQUE SASH DOOR SWEEP #2100
 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD

Approved as complying with the Florida Building Code
 Date 08/04/05
 NOAH 05-0127.10
 Miami Dade Product Control Division
 By *M. Tharsh*

DESIGN PRESSURE	
POSITIVE	+80 PSF
NEGATIVE	-80 PSF

KELVYN WHITFIELD, P.E.
 1002 N.E. 116TH STREET
 MIAMI, FL 33161

[Signature]
 07/05/05
 FLORIDA No. 24140

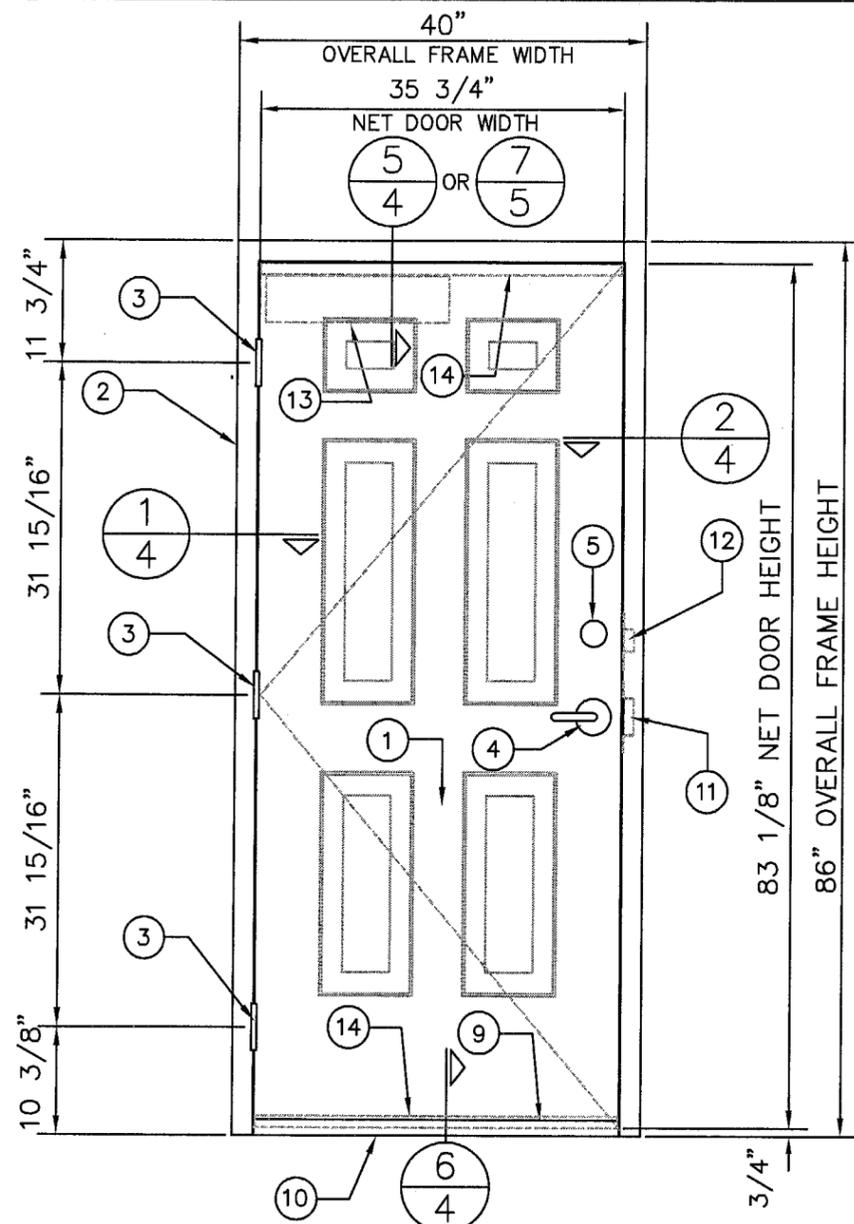
MANUFACTURER:



4950, Hickmore, St-Laurent, Quebec
 Canada, H4T 1K6 Tel: (514) 733-3562

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 1 of 6
TITLE: ELEVATIONS		DWG NO.: GS-10004
SCALE: NONE	DRAWN BY: AG	APPROVED BY: DATE: MAR 2005

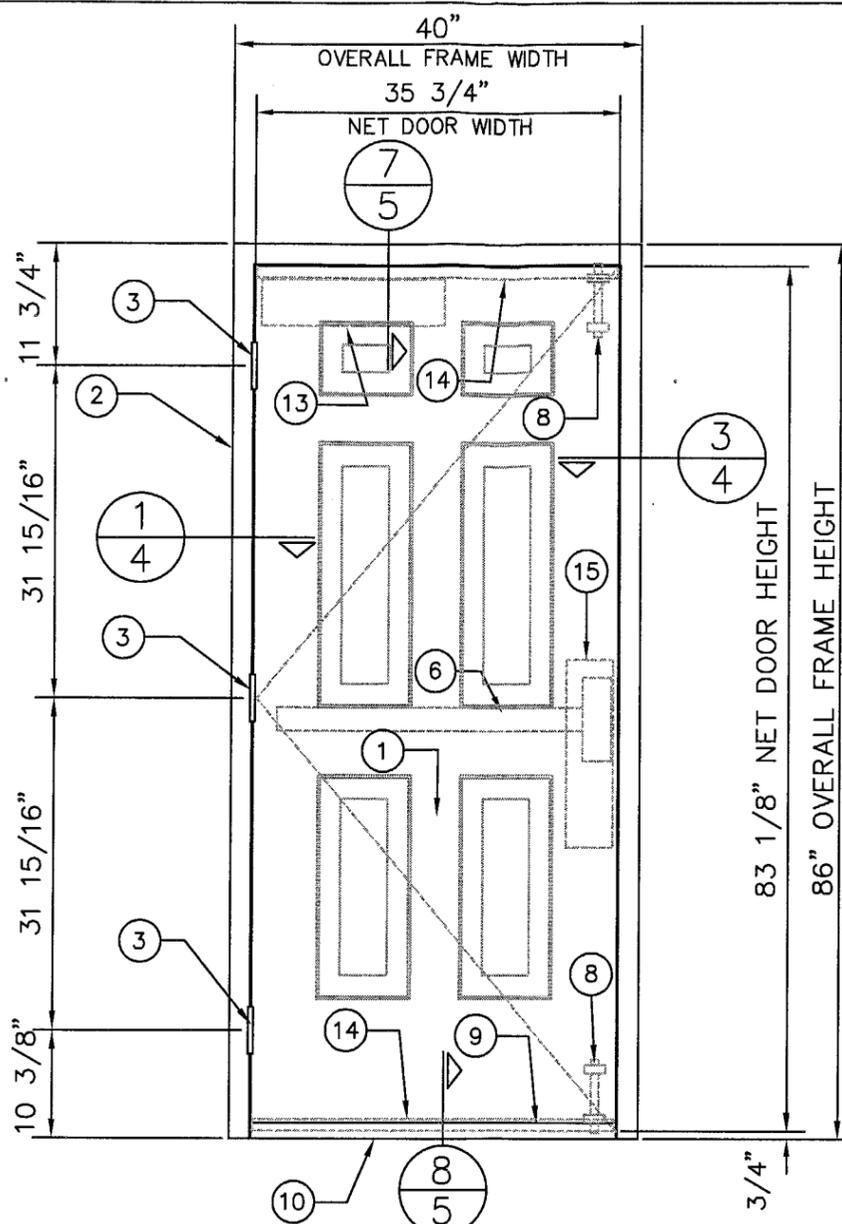
65-0127.10



ELEVATION - D -
EXTERIOR VIEW (OUTSWING)

HARDWARE PACKAGE:

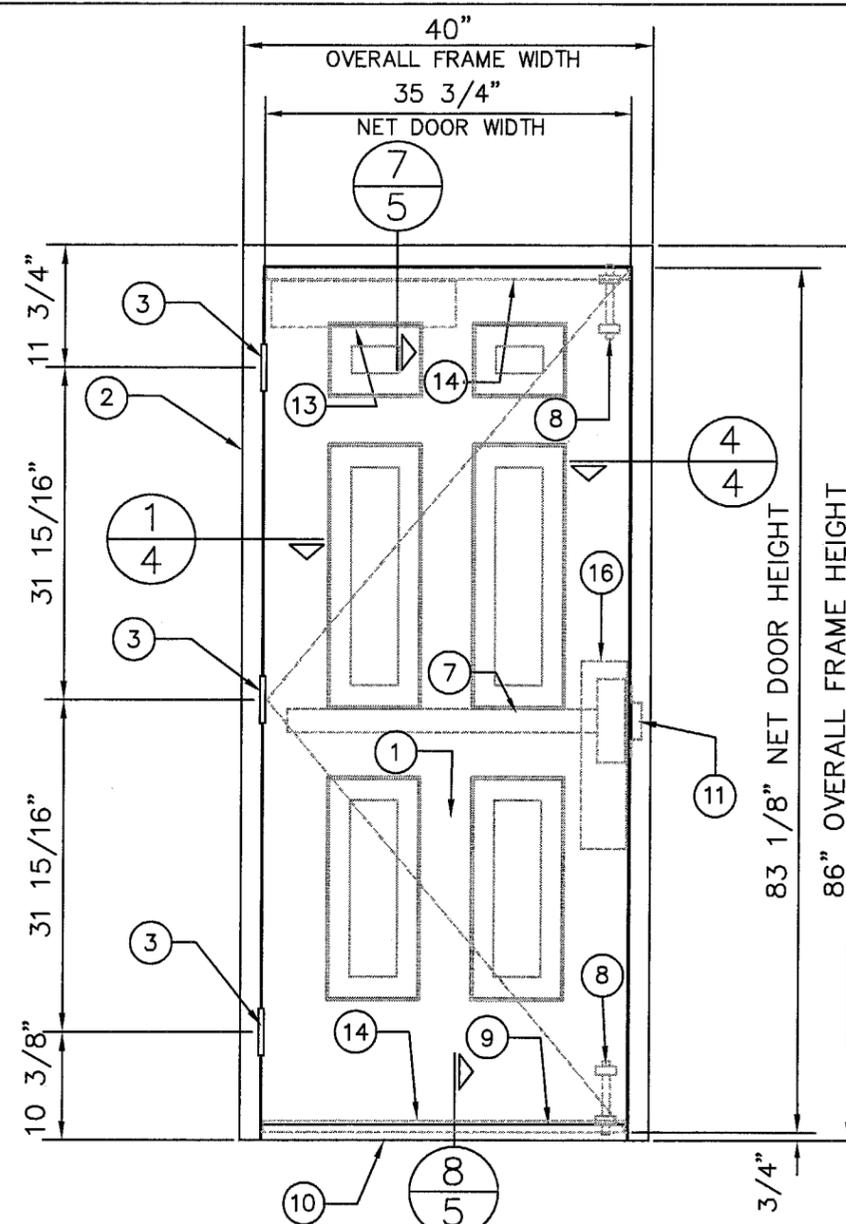
- 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
- 1 - DOREX FC 10 SERIES LEVER LOCK
- 1 - DOREX FHA51 DEADBOLT
- 1 - UNIQUE SASH DOOR SWEEP #2100
- 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD



ELEVATION - E -
EXTERIOR VIEW (OUTSWING)

HARDWARE PACKAGE:

- 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
- 1 - VON DUPRIN 98EO RIM EXIT DEVICE WITH #229 STRIKE
- 2 - IVES SB453 SURFACE BOLTS
- 1 - UNIQUE SASH DOOR SWEEP #2100
- 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD



ELEVATION - F -
EXTERIOR VIEW (OUTSWING)

HARDWARE PACKAGE:

- 3 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
- 1 - VON DUPRIN 9875EO MORTISE EXIT DEVICE
- 2 - IVES SB453 SURFACE BOLTS
- 1 - UNIQUE SASH DOOR SWEEP #2100
- 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD

Approved as complying with the
Florida Building Code
Date 08/04/05
NOAH 05-0122-10
Miami Code Product Control
Division
By *[Signature]*

DESIGN PRESSURE	
POSITIVE	+80 PSF
NEGATIVE	-80 PSF

KELVYN WHITFIELD, P.E.
1002 N.E. 116TH STREET
MIAMI, FL 33161

[Signature]
02/05/05

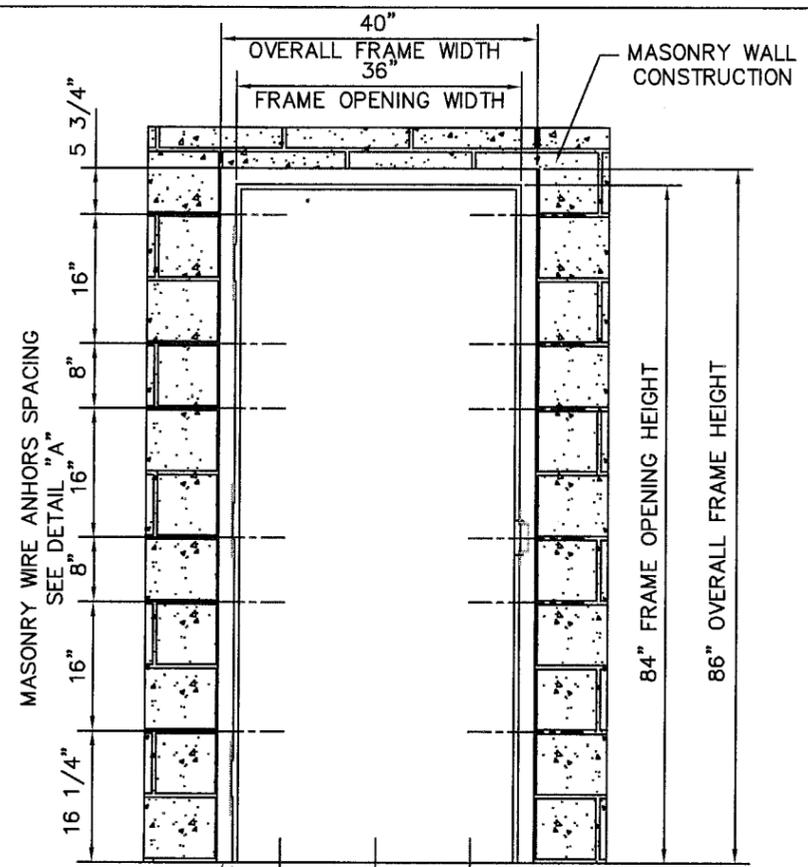
FLORIDA No. 24140

MANUFACTURER:



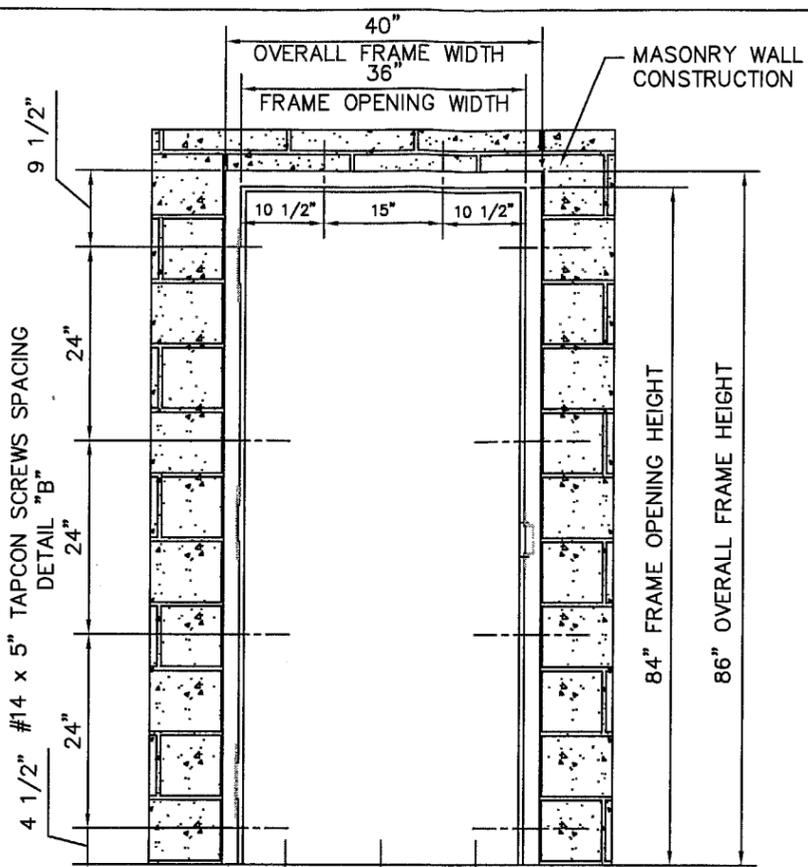
4950, Hickmore, St-Laurent, Quebec
Canada, H4T 1K6 Tel: (514) 733-3562

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 2 of 6
TITLE: ELEVATIONS		DWG NO.: GS-10004
SCALE: NONE	DRAWN BY: AG	APPROVED BY: DATE: MAR 2005



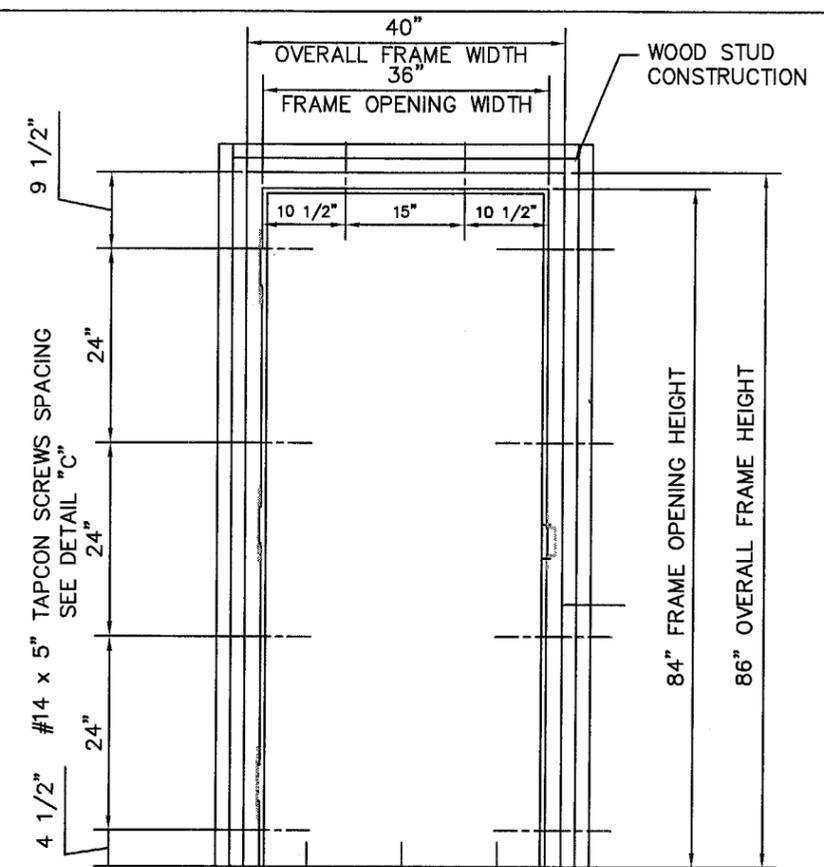
ANCHORAGE LAYOUT
MASONRY WIRE ANCHORS

FLOOR ANCHOR (1) PER JAMB, (1) #14 TAPCON 1 1/4" MIN. EMBED. SEE DETAIL "D"



ANCHORAGE LAYOUT
TAPCON SCREWS IN MASONRY

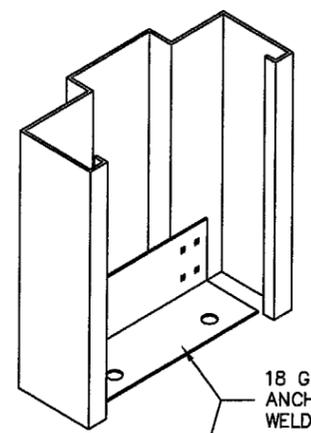
FLOOR ANCHOR (1) PER JAMB, (1) #14 TAPCON 1 1/4" MIN. EMBED. SEE DETAIL "D"



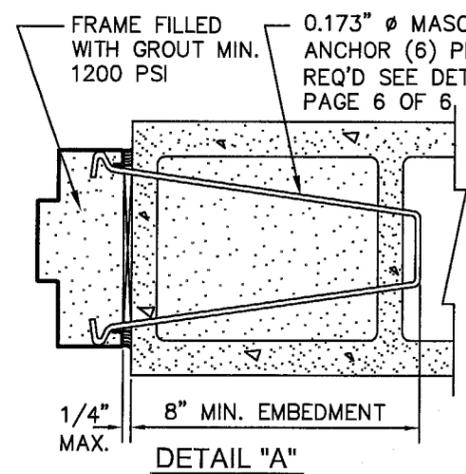
ANCHORAGE LAYOUT
TAPCON SCREWS IN WOOD

FLOOR ANCHOR (1) PER JAMB, (1) #14 TAPCON 1 1/4" MIN. EMBED. SEE DETAIL "D"

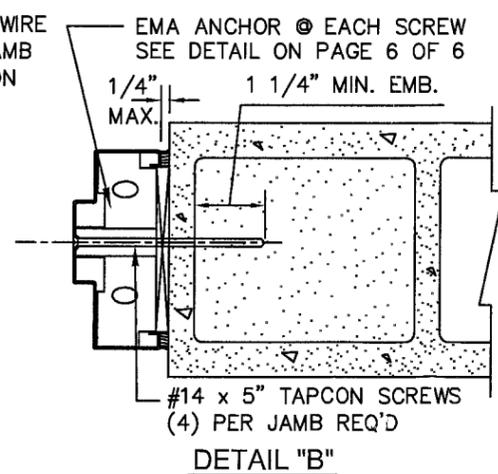
NOTE: ITW BUILDDEX TAPCON APPROVED BY BCCO N.O.A. # 03-0114.03



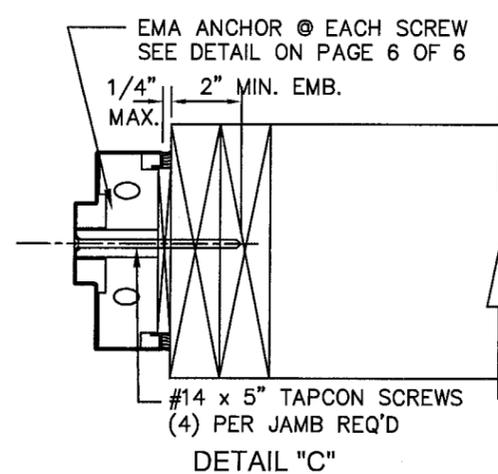
18 GA FLOOR ANCHOR PROJECTION WELDED TO FRAME



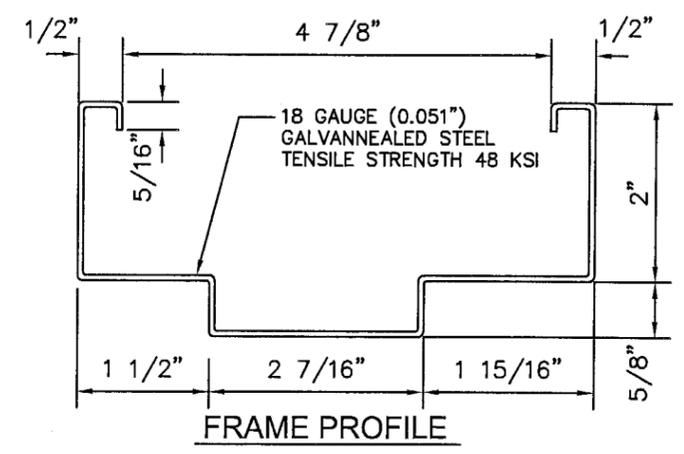
DETAIL "A"



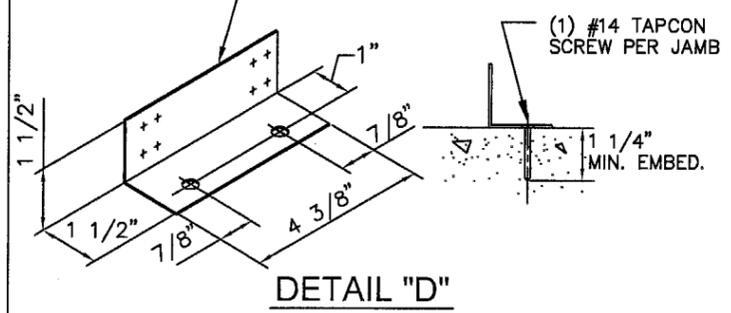
DETAIL "B"



DETAIL "C"



FRAME PROFILE



DETAIL "D"

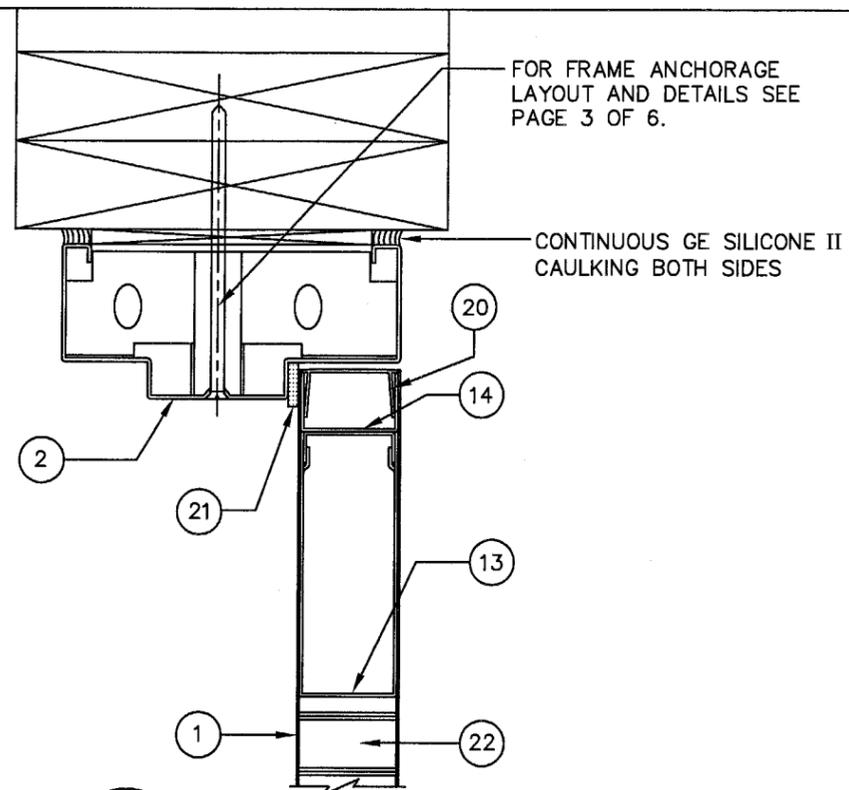
Approved as complying with the Florida Building Code
Date 02/04/05
NOA 03-0114.03
Miami Dade Product Control Division
By [Signature]

KELVYN WHITFIELD, P.E.
1002 N.E. 116TH STREET
MIAMI, FL 33161

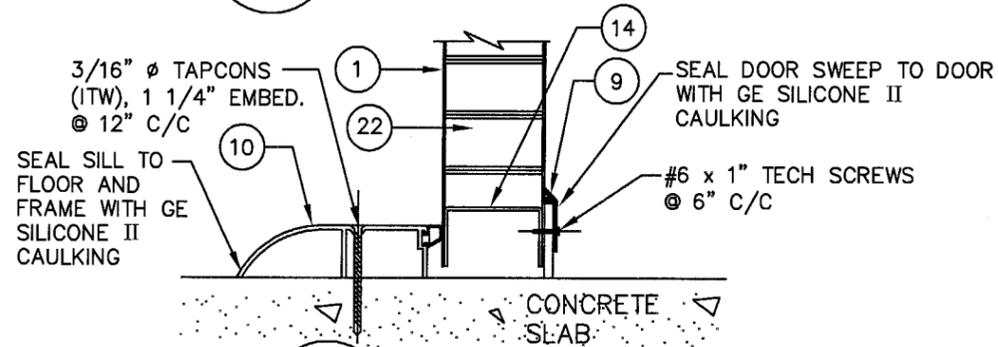
[Signature]
02/05/05
FLORIDA No. 24140

MANUFACTURER:
gensteelDOORS
4950, Hickmore, St-Laurent, Quebec
Canada, H4T 1K6 Tel: (514) 733-3562

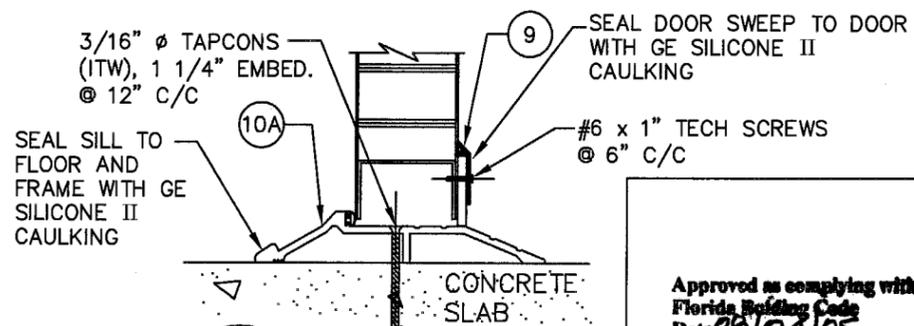
1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 3 of 6
TITLE: ANCHORAGE LAYOUT		DWG NO.: GS-10004
SCALE: NONE	DRAWN BY: AG	APPROVED BY:
		DATE: MAR 2005



5 HEAD JAMB DETAIL
4 JAMB DETAIL SIMILIAR

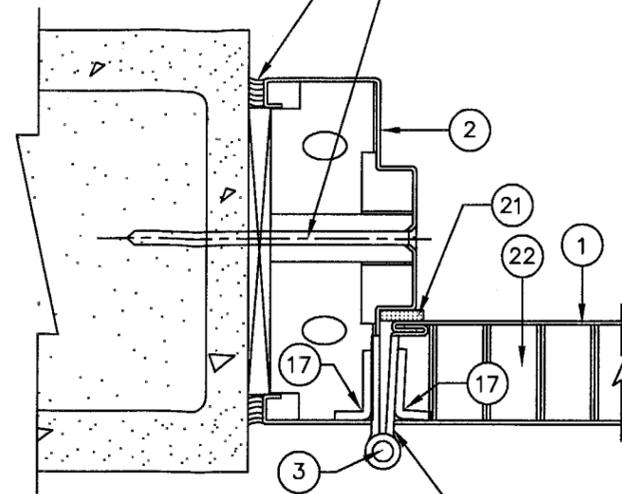


6 SILL DETAIL
4



6A ALTERNATE SILL DETAIL
4

CONTINUOUS GE SILICONE II CAULKING BOTH SIDES

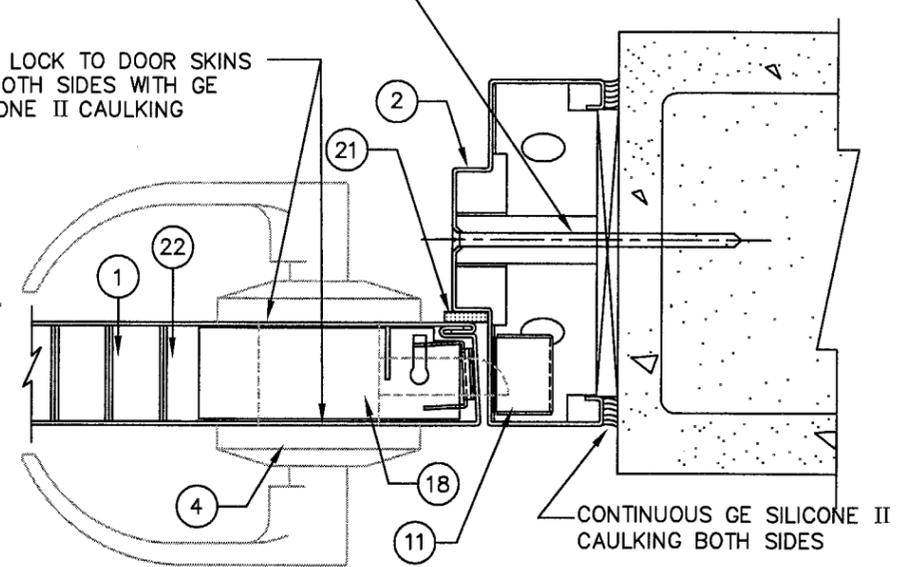


INSTALL HINGE TO DOOR/
FRAME WITH (4) #12-24 X 1/2"
SCREWS. SEAL HINGE AND SCREWS
WITH GE SILICONE II CAULKING

1 HINGE JAMB DETAIL
4

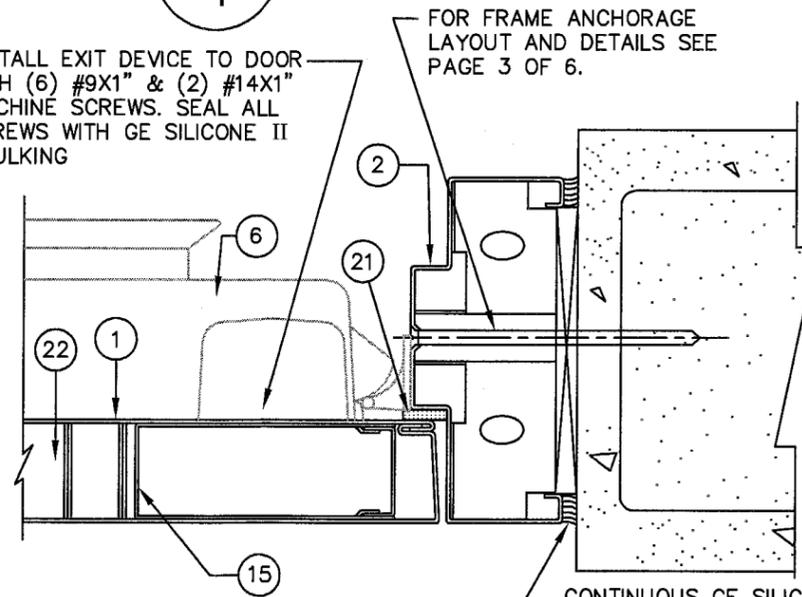
FOR FRAME ANCHORAGE LAYOUT AND DETAILS SEE PAGE 3 OF 6.

SEAL LOCK TO DOOR SKINS
ON BOTH SIDES WITH GE
SILICONE II CAULKING



2 LOCK JAMB DETAIL
4

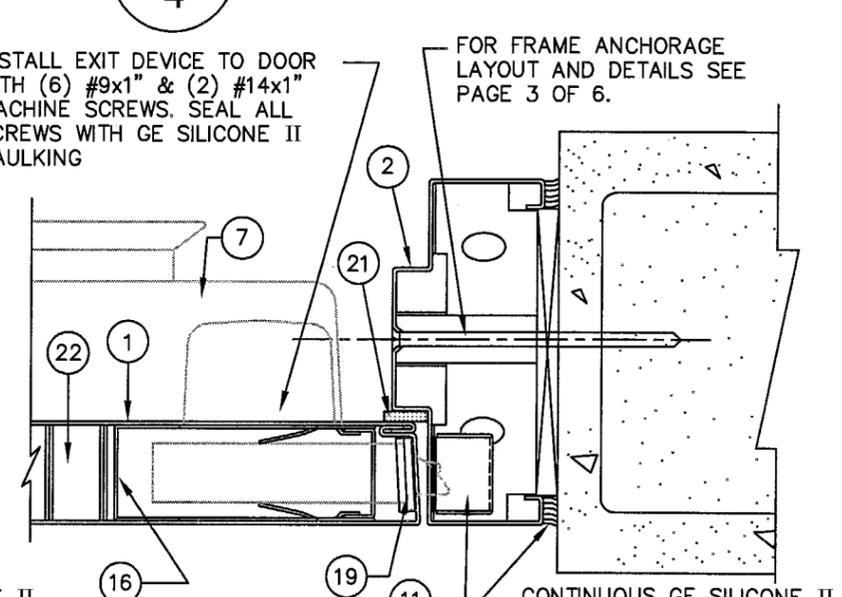
INSTALL EXIT DEVICE TO DOOR
WITH (6) #9x1" & (2) #14x1"
MACHINE SCREWS. SEAL ALL
SCREWS WITH GE SILICONE II
CAULKING



3 LOCK JAMB DETAIL
4

FOR FRAME ANCHORAGE
LAYOUT AND DETAILS SEE
PAGE 3 OF 6.

INSTALL EXIT DEVICE TO DOOR
WITH (6) #9x1" & (2) #14x1"
MACHINE SCREWS. SEAL ALL
SCREWS WITH GE SILICONE II
CAULKING



4 LOCK JAMB DETAIL
4

FOR FRAME ANCHORAGE
LAYOUT AND DETAILS SEE
PAGE 3 OF 6.

Approved as complying with the
Florida Building Code
Date: 06/04/05
NOA# 05-0122-10
Miami Dade Product Control
Division
By: *[Signature]*

KELVYN WHITFIELD, P.E.
1002 N.E. 116TH STREET
MIAMI, FL 33161

[Signature]
07/05/05

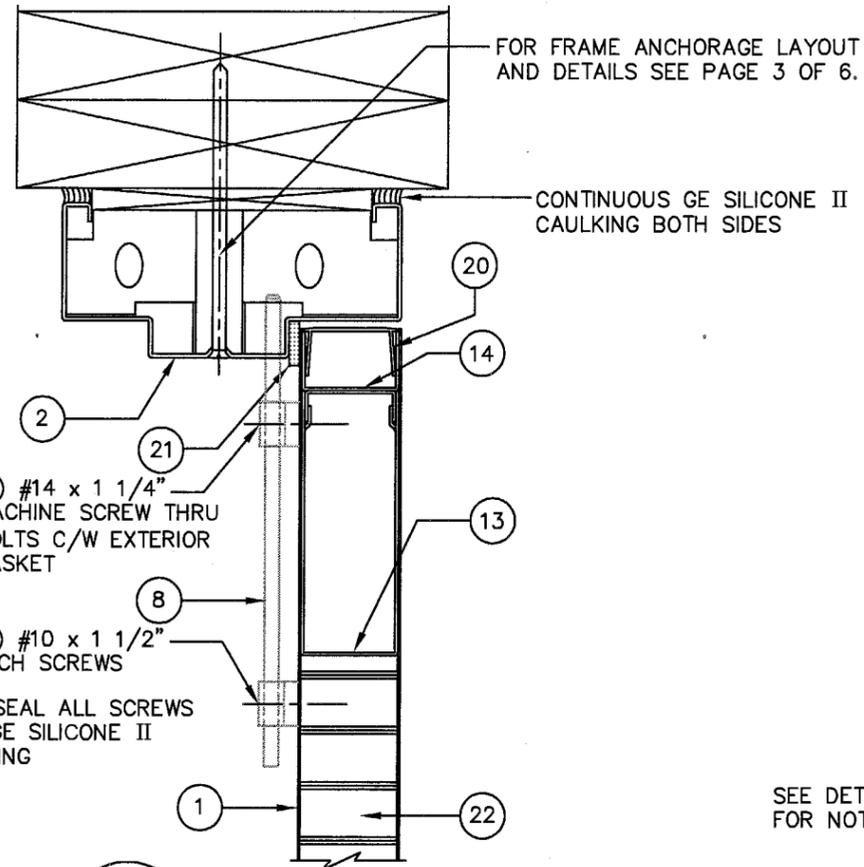
FLORIDA No. 24140

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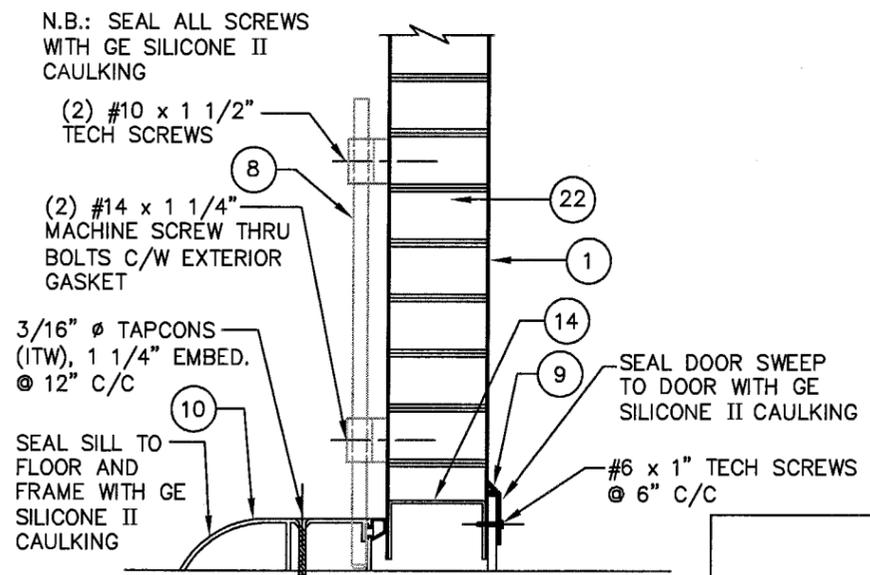


4950, Hickmore, St-Laurent, Quebec
Canada, H4T 1K6 Tel: (514) 733-3562

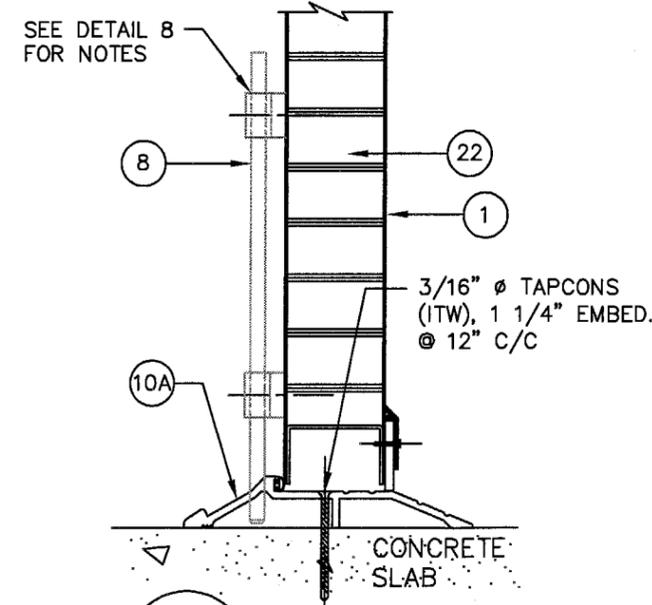
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REV. NO.	DESCRIPTION	DATE
PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 4 of 6
TITLE: DETAILS		DWG NO.: GS-10004
SCALE: NONE	DRAWN BY: AG	APPROVED BY:
		DATE: MAR 2005



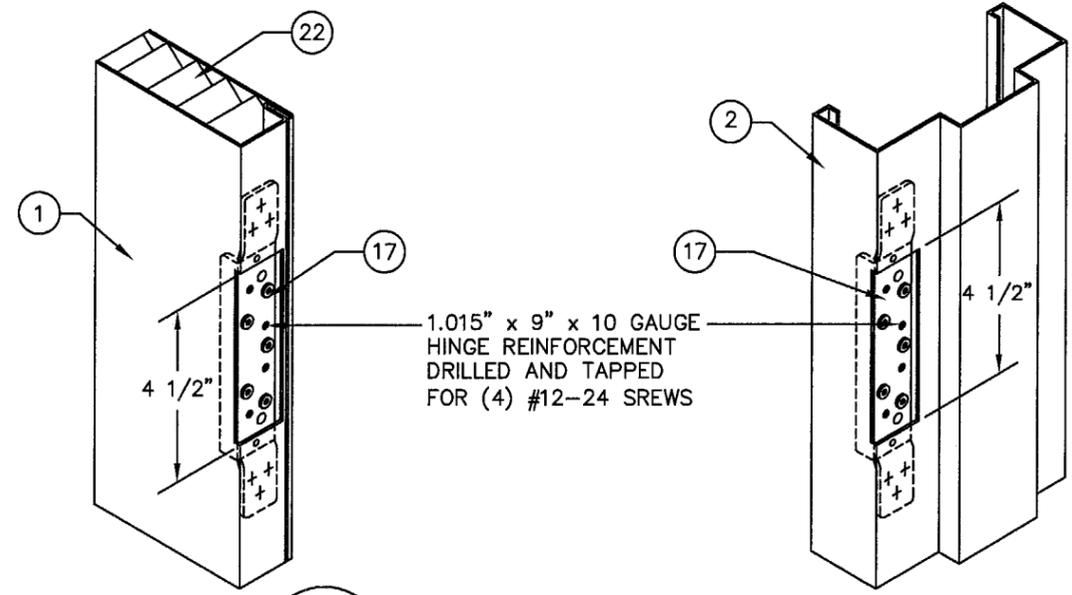
7
5 HEAD JAMB DETAIL



8
5 SILL DETAIL



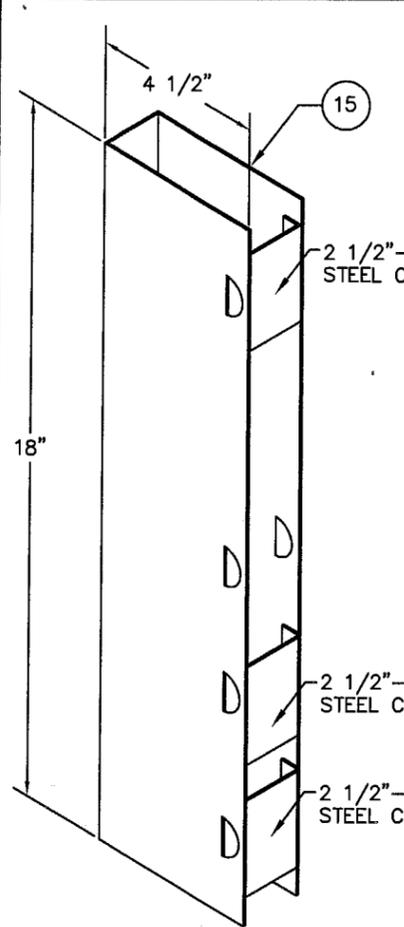
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5 ALTERNATE SILL DETAIL



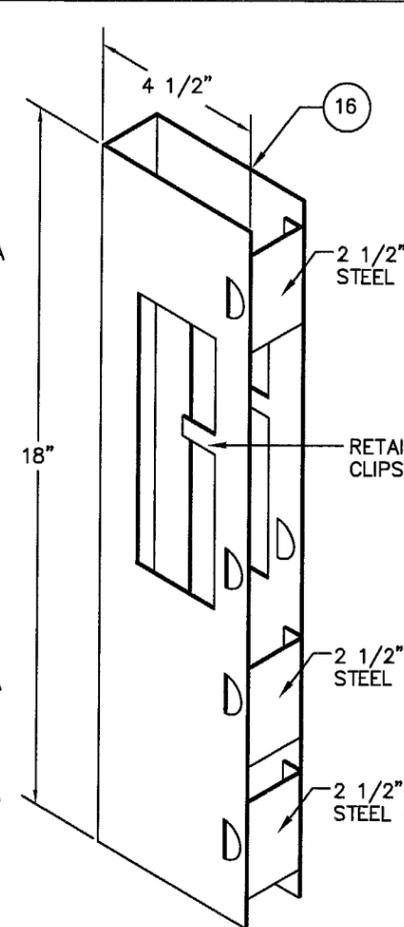
9
5 HINGE CUTOUT DETAIL ON DOOR AND FRAME

BILL OF MATERIALS					
ITEM	PART NO.	MATERIAL	QTY	DESCRIPTION	
1	-----	STEEL (FLUSH OR EMBOSSED)	1	20 GA EXTERIOR AND INTERIOR FACE SHEETS	
2	-----	STEEL (18 GA)	1	18 GA STEEL FRAME	
3	HBB179C15	"HARDWARE"	3	4 1/2 X 4 1/2 X .134 BUTT HINGE	
4	FC10	"HARDWARE"	1	DOREX FC10 SERIES LEVER LOCK	
5	FHA51	"HARDWARE"	1	DOREX FHA51 DEADBOLT	
6	98EO	"HARDWARE"	1	VON DUPRIN 98EO RIM EXIT DEVICE WITH # 229 STRIKE	
7	9875EO	"HARDWARE"	1	VON DUPRIN 9875 MORTISE EXIT DEVICE	
8	SB453	"HARDWARE"	2	IVES SB453 SURFACE BOLT	
9	2100	ALUMINUM	1	UNIQUE SASH DOOR SWEEP #2100	
10	2051AT	ALUMINUM	1	PEMKO 2051AT THRESHOLD WITH VINYL INSERT	
10A	177A	ALUMINUM	1	PEMKO 177A THRESHOLD WITH VINYL INSERT	
11	FR1100	STEEL (18 GA)	1	4 7/8" STRIKE PLATE REINFORCEMENT	
12	FR1000	STEEL (18 GA)	1	2 3/4" STRIKE PLATE REINFORCEMENT	
13	DC1000	STEEL (18 GA)	1	DOOR CLOSER REINFORCEMENT	
14	CH3601	STEEL (18 GA)	2	DOOR END CHANNEL	
15	DR1000	STEEL (18 GA)	1	RIM EXIT DEVICE REINFORCEMENT	
16	DR1010	STEEL (18 GA)	1	MORTISE EXIT DEVICE REINFORCEMENT	
17	HR1030	STEEL (10 GA)	6	HIGH FREQUENCY HINGE REINFORCEMENT	
18	DR1600	STEEL (18 GA)	2	STANDARD 2 3/4" BACKSET LOCK REINFORCEMENT	
19	DR1700	STEEL (10 GA)	2	MORTISE LOCK EDGE REINFORCEMENT	
20	-----	VINYL	1	VINYL CAP	
21	P387	NEOPRENE	1	PEMKO P387 ADHESIVE BACK NEOPRENE WEATHERSTRIP	
22	-----	KRAFT PAPER HONEYCOMB	1	CASCADE ENVIROPAC 1" CELL KRAFT PAPER HONEYCOMB	

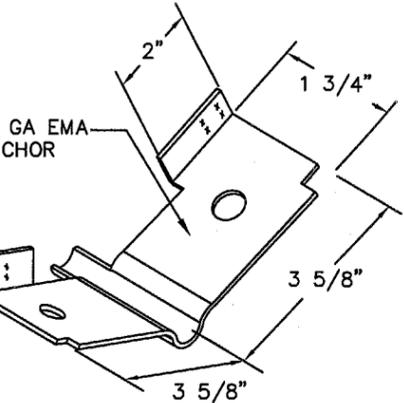
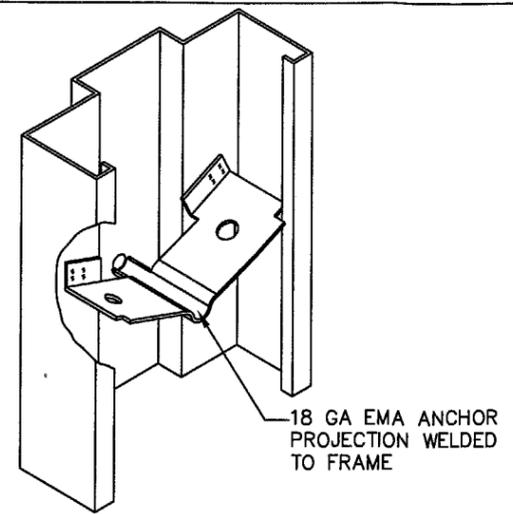
<p>Approved as complying with the Florida Building Code Date: <u>08/04/05</u> NOA# <u>05-0122.10</u> Miami-Dade Product Control Division By: <u>[Signature]</u></p>	<p>KELVYN WHITFIELD, P.E. 1002 N.E. 116TH STREET MIAMI, FL 33161</p> <p><u>[Signature]</u> 02/05/05</p> <p>FLORIDA No. 24140</p>	<p>MANUFACTURER:</p> <p>GensteelDOORS</p> <p>4950, Hickmore, St-Laurent, Quebec Canada, H4T 1K6 Tel: (514) 733-3562</p>	<p>1 AS PER BCCO NOTES</p>	<p>JUN 24/05</p>
			<p>REV. NO. DESCRIPTION</p>	<p>DATE</p>
<p>PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES</p>			<p>SHEET NO.: 5 of 6</p>	
<p>TITLE: DETAILS AND BILL OF MATERIALS</p>			<p>DWG NO.: GS-10004</p>	
<p>SCALE: NONE</p>	<p>DRAWN BY: AG</p>	<p>APPROVED BY:</p>	<p>DATE: MAR 2005</p>	



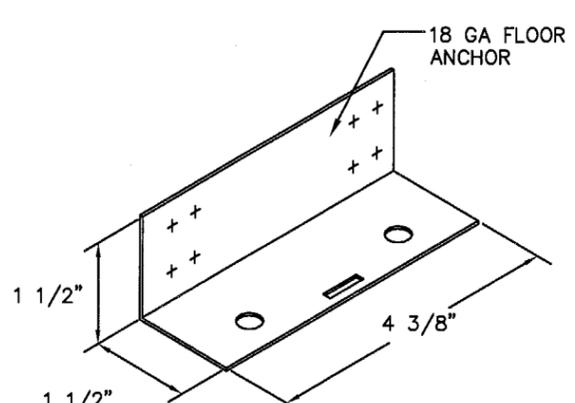
**PART No.: DC1000
& DR1000**



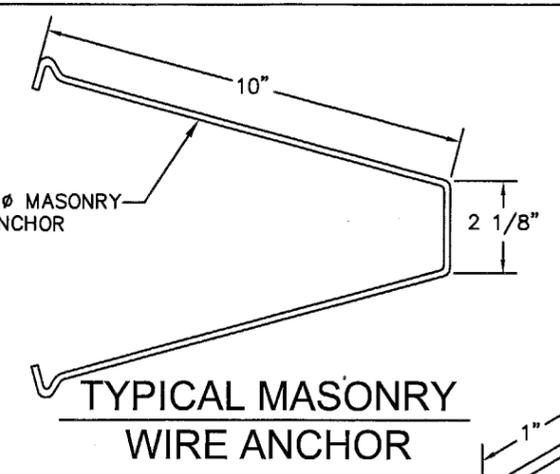
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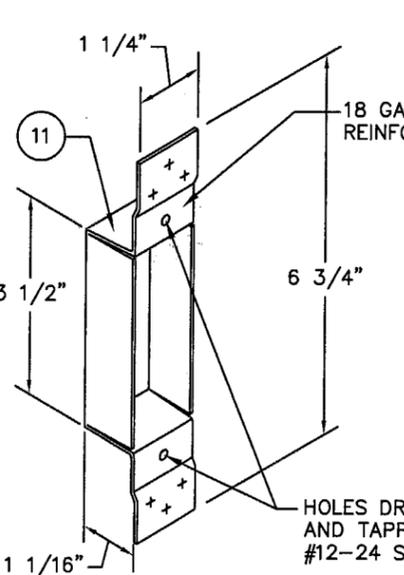
**TYPICAL EMA
ANCHOR**



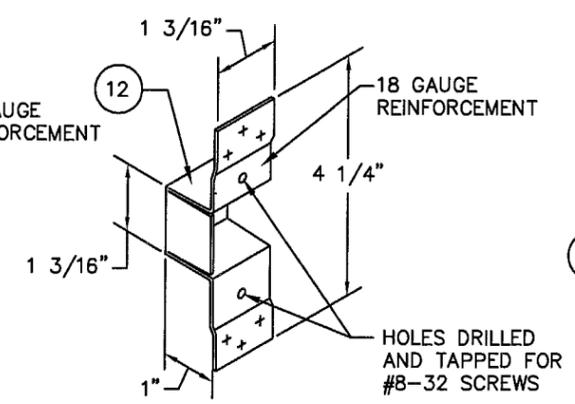
**TYPICAL FLOOR
ANCHOR**



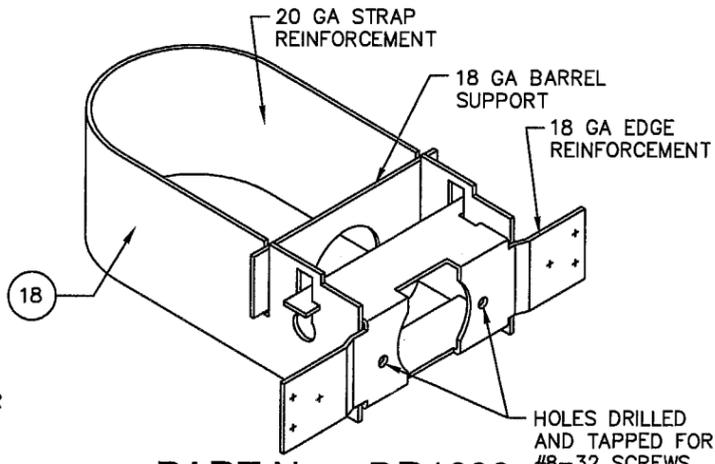
**TYPICAL MASONRY
WIRE ANCHOR**



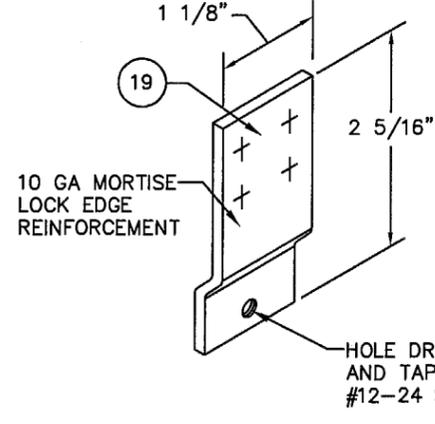
PART No.: FR1100



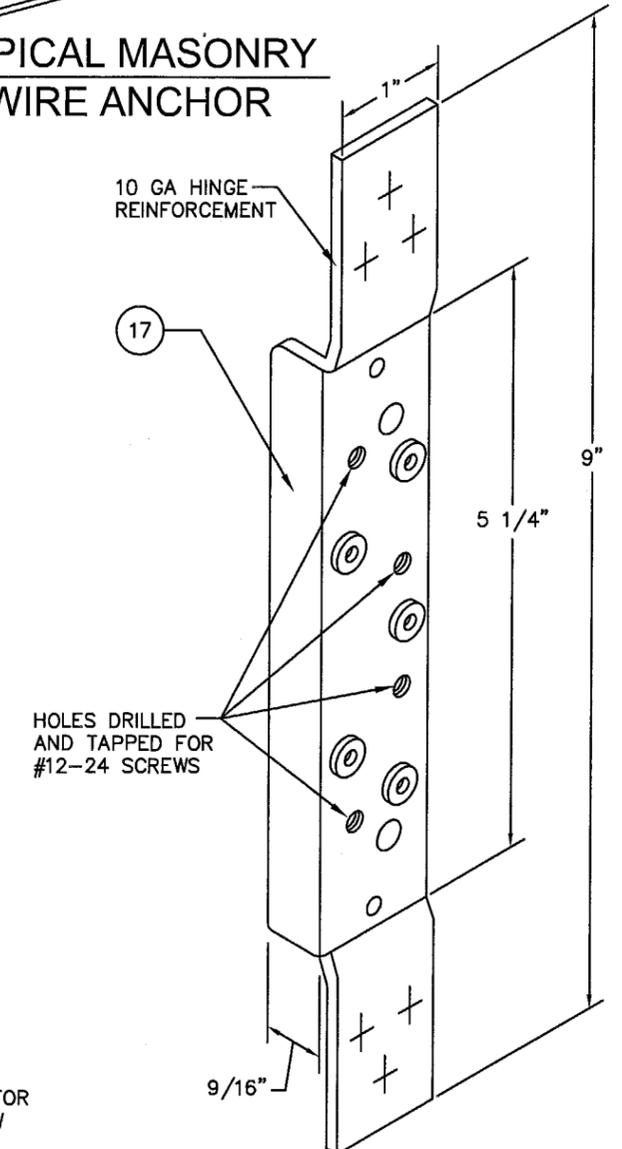
PART No.: FR1000



PART No.: DR1600



PART No.: DR1700



PART No.: HR1030

Approved as complying with the
Florida Building Code
Date 08/04/05
NOA 05-0123-10
Miami Dade Product Control
Division
By [Signature]

KELVYN WHITFIELD, P.E.
1002 N.E. 116TH STREET
MIAMI, FL 33161

[Signature]
10/2/05/05
FLORIDA No. 24140

MANUFACTURER:



4950, Hickmore, St-Laurent, Quebec
Canada, H4T 1K6 Tel: (514) 733-3562

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 3070 SINGLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 6 of 6
TITLE: MISCELLANEOUS DETAILS		DWG NO.: GS-10004
SCALE: NONE	DRAWN BY: AG	APPROVED BY: DATE: MAR 2005