



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 8080 Steel Double Door System

APPROVAL DOCUMENT: Drawing No. **GS-10005**, titled "8080 Double Door System Genstorm Series", sheets 1 through 5 of 5, prepared by the manufacture, dated 04/2005, 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 05-0127.11
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 "8080 Double Door System Genstorm Series", sheets 1 through 8 of 8, prepared by the manufacture, dated 12/23/04 with revision "A" on 03/25/05, signed and sealed by Lucas A. Turner, 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 202-94
along with marked-up drawings and installation diagram of **aluminum outswinging door**, prepared by Intertek Testing Services NA LTD., Test Reports No. **ITS-3058370-DOUBLE**, 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.

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.
2. Statement letter of code compliance, dated January 10, 2005 signed and sealed by Stephen J. Emerman, P.E.

G. OTHER

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

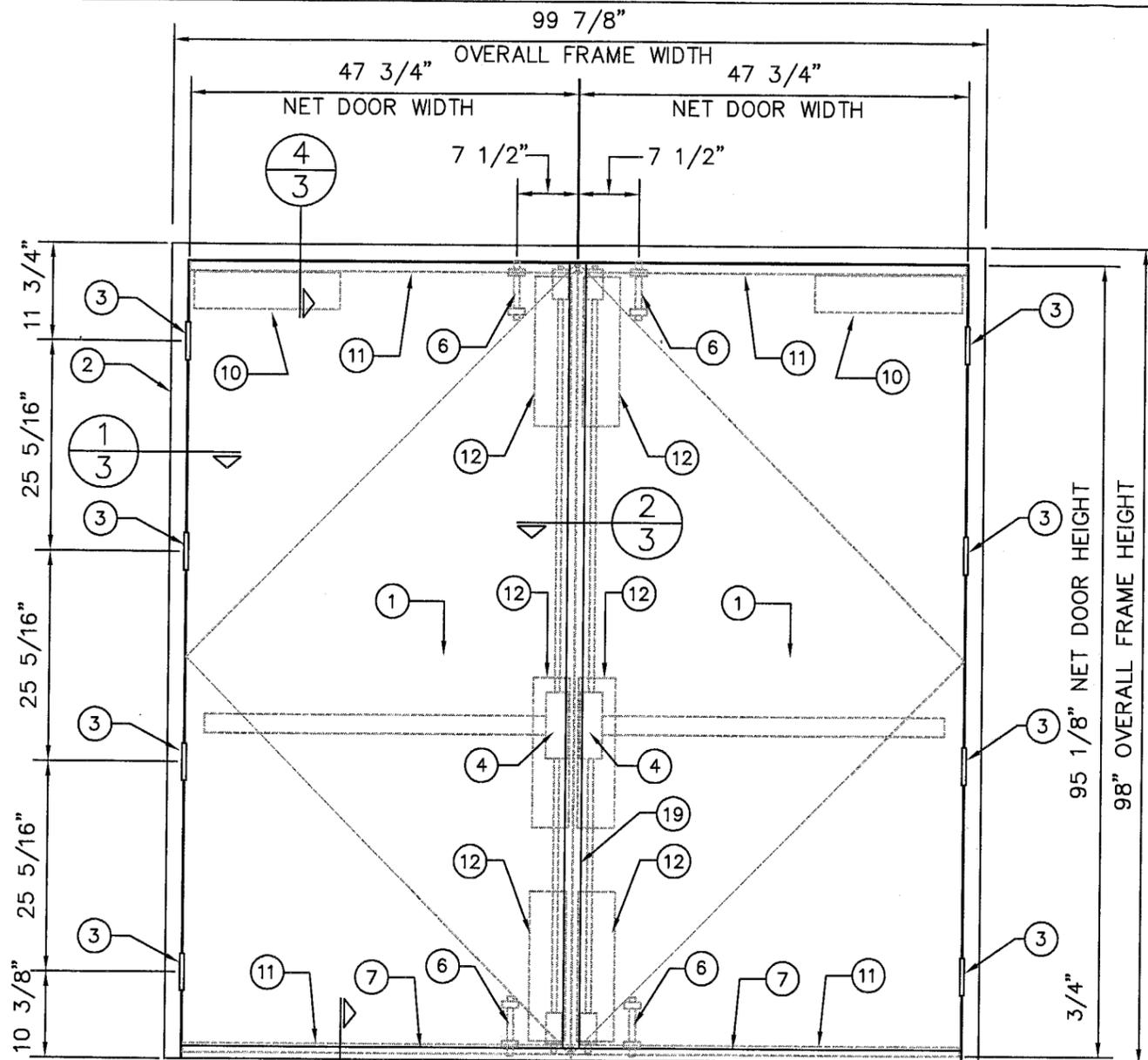


Herminio F. Gonzalez, P.E.
Director, Building Code Compliance Office

NOA No 05-0127.11

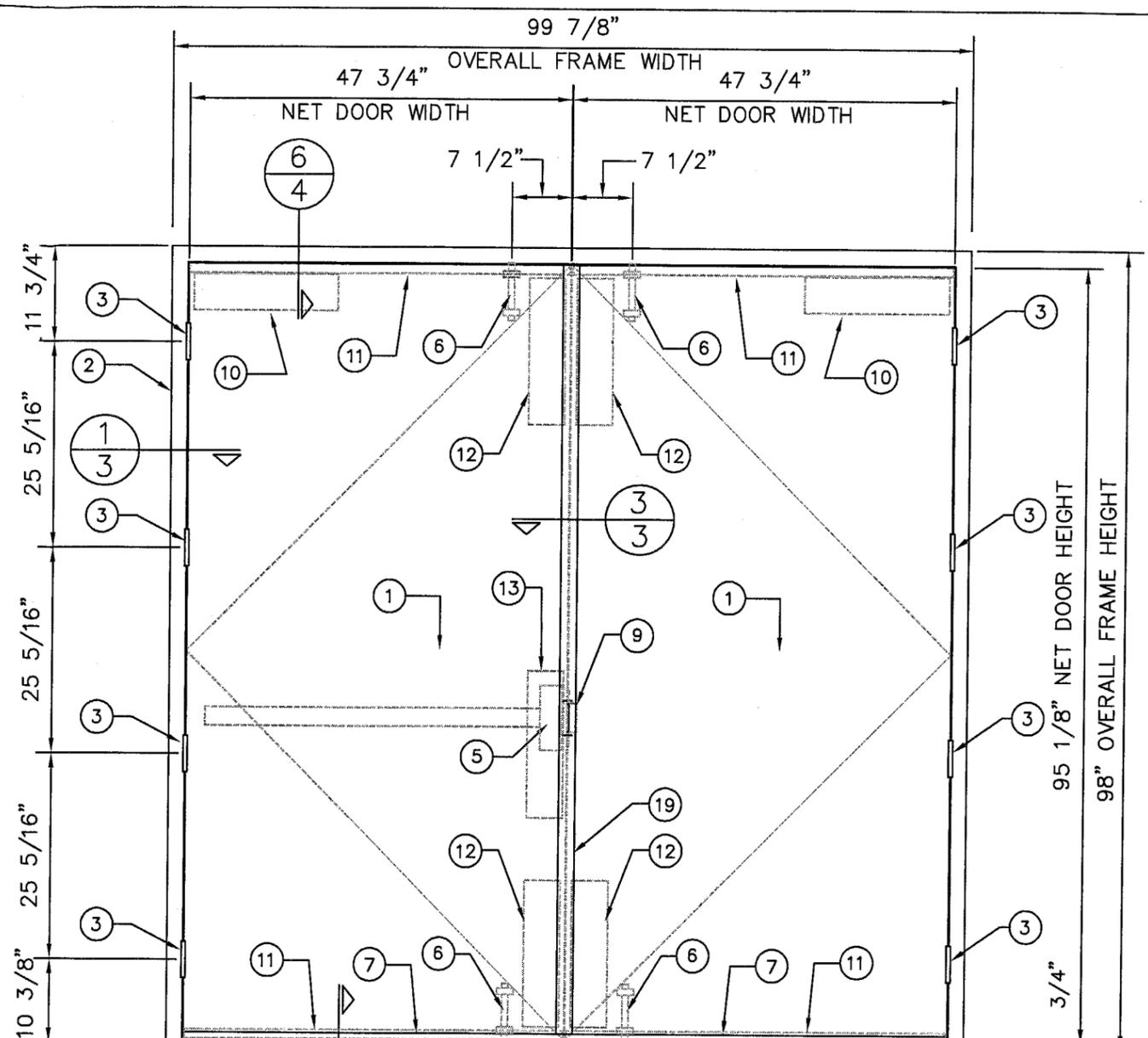
Expiration Date: August 04, 2010

Approval Date: August 04, 2005



ELEVATION - A -
EXTERIOR VIEW (OUTSWING)

- HARDWARE PACKAGE:**
 8 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
 2 - VON DUPRIN 9827EO RIM EXIT DEVICE WITH #229 STRIKE
 4 - IVES SB453 SURFACE BOLTS
 2 - UNIQUE SASH DOOR SWEEP #2100
 1 - PEMKO 177A SADDLE THRESHOLD or PEMKO 2051AT THRESHOLD



ELEVATION - B -
EXTERIOR VIEW (OUTSWING)

- HARDWARE PACKAGE:**
 8 - 4 1/2" x 4 1/2" x 0.134" PLAIN STEEL TEMPLATE HINGES
 1 - VON DUPRIN 9875EO MORTISE EXIT DEVICE
 4 - IVES SB453 SURFACE BOLTS
 2 - 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
 NOA# 05-0127.11
 Miami Dade Product Control Division
 By *[Signature]*

DESIGN PRESSURE	
POSITIVE	+65 PSF
NEGATIVE	-65 PSF

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

MANUFACTURER:

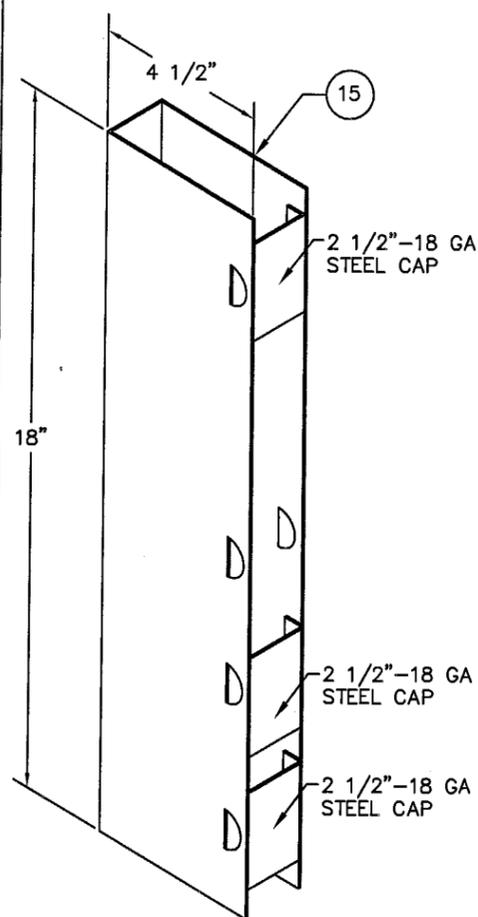


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 Canada, H4T 1K6 Tel: (514) 733-3562

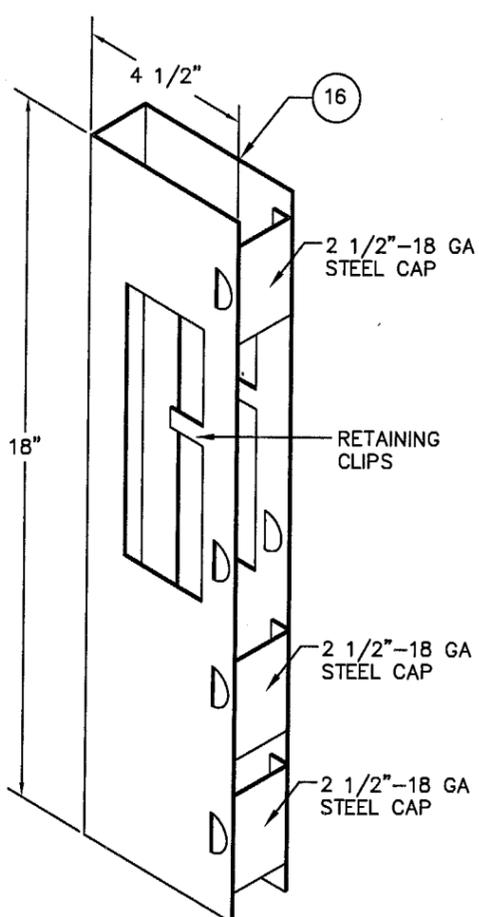
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 08/05/05
 FLORIDA No. 24140

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 8080 DOUBLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 1 of 5
TITLE: ELEVATIONS		DWG NO.: GS-10005
SCALE: NONE	DRAWN BY: AG	APPROVED BY: DATE: APR 2005

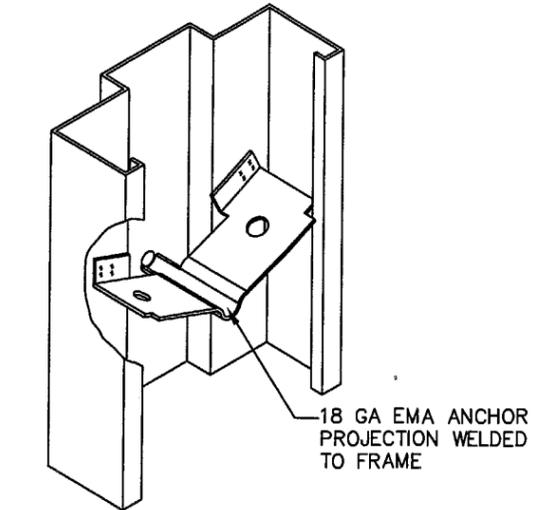
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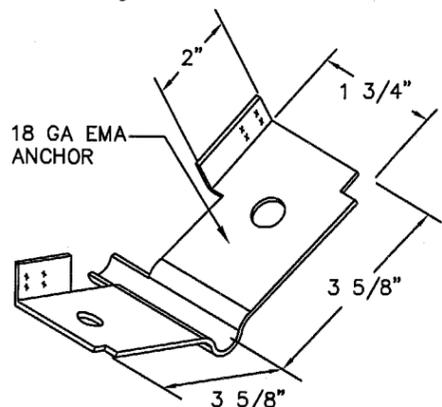
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& DR1000**



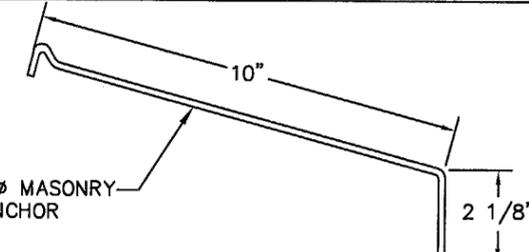
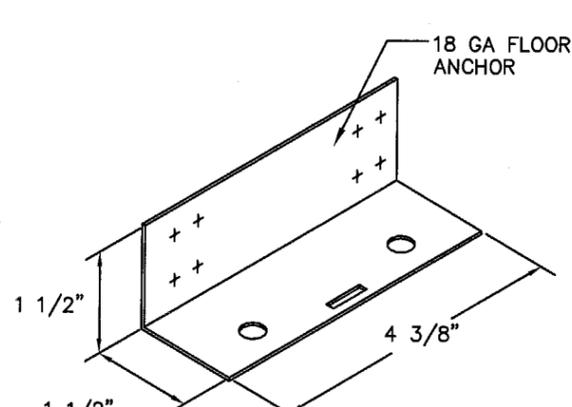
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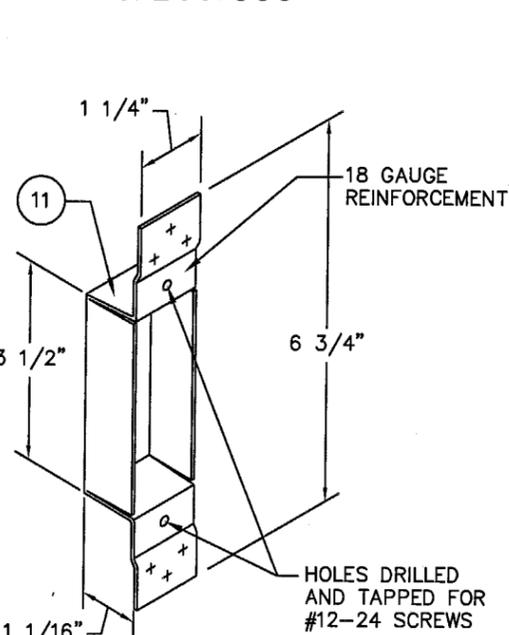
**TYPICAL EMA
ANCHOR**



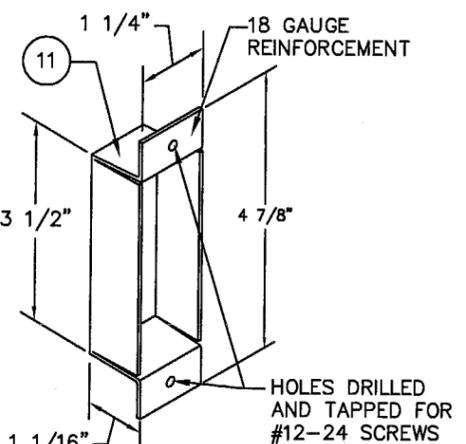
**TYPICAL FLOOR
ANCHOR**



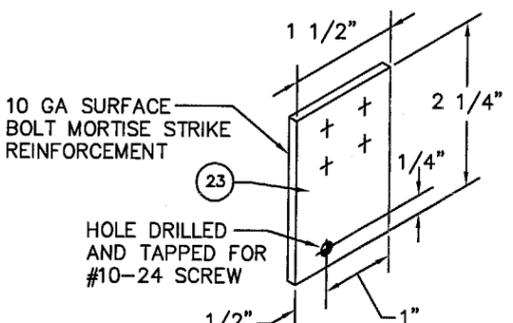
**TYPICAL MASONRY
WIRE ANCHOR**



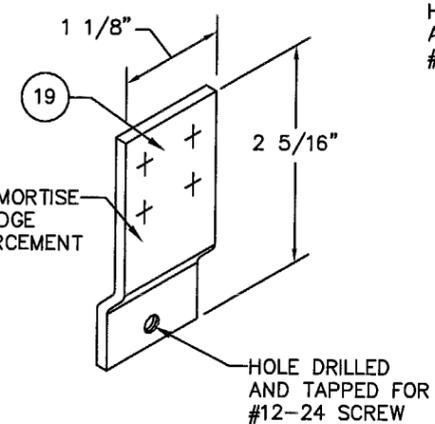
PART No.: FR1100



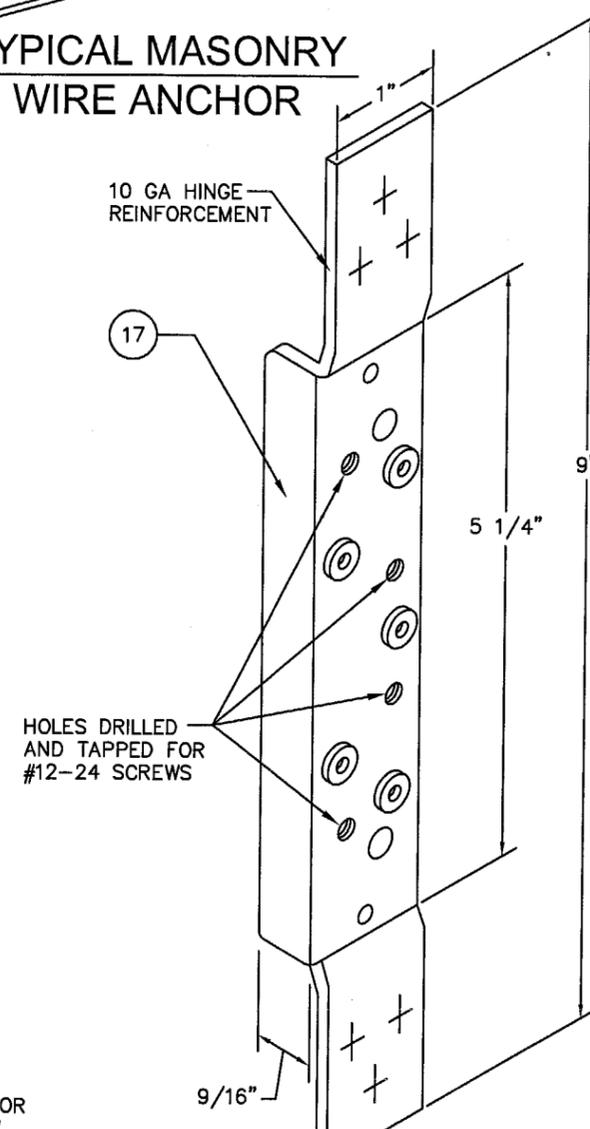
PART No.: FR1100M



PART No.: DR1700M



PART No.: DR1700



PART No.: HR1030

Approved as complying with the Florida Building Code
 Date: 08/04/05
 NOAH 05-0123.11
 Miami Dade Product Control
 Division
 By: *Michael*

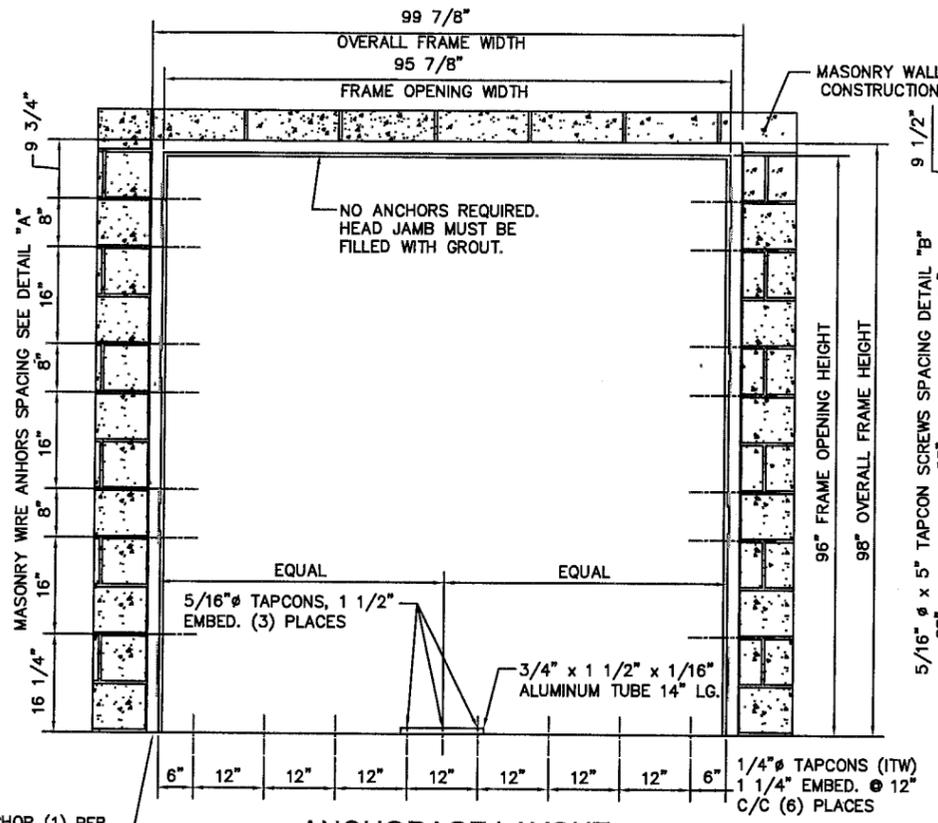
KELVYN WHITFIELD, P.E. MANUFACTURER:
 1002 N.E. 116TH STREET
 MIAMI, FL 33161

Kelvin Whitfield
 07/05/05
 FLORIDA No. 24140

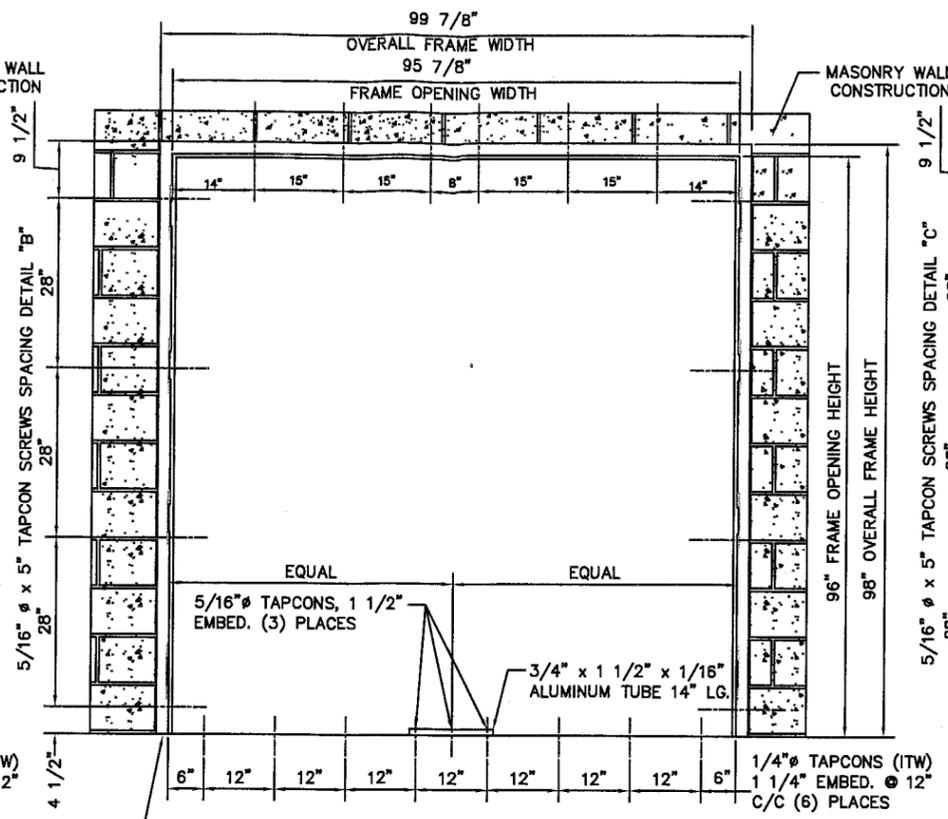


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 Canada, H4T 1K6 Tel: (514) 733-3562

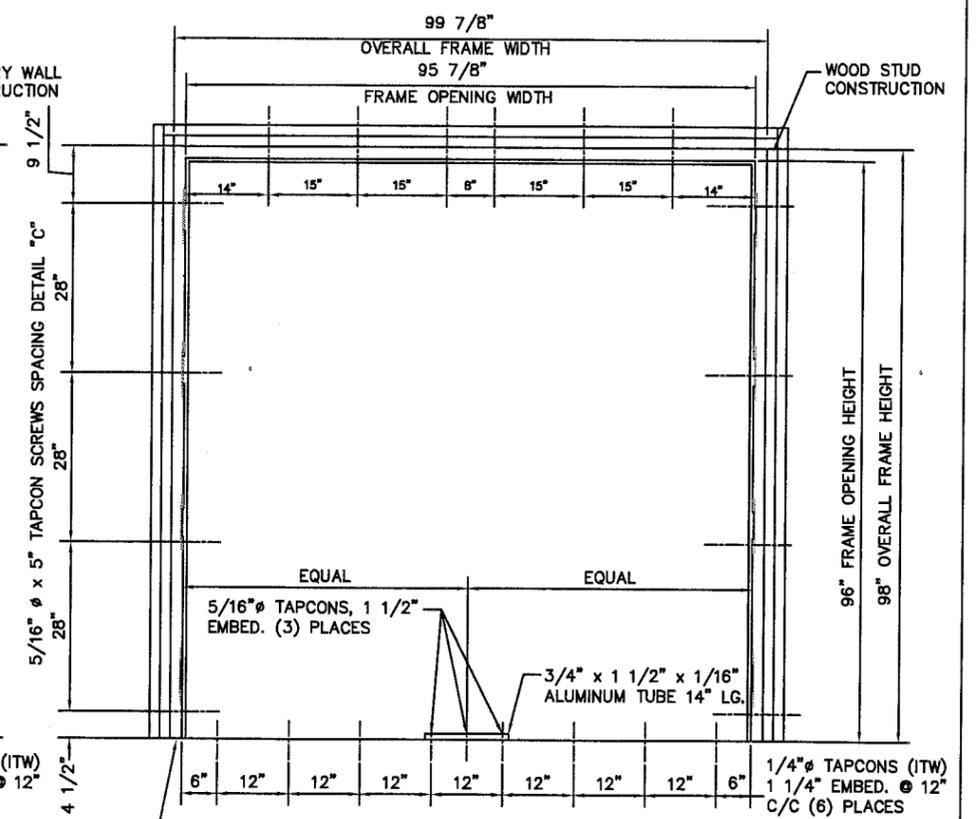
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REV. NO.	DESCRIPTION	DATE
PRODUCT: 8080 DOUBLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 5 of 5
TITLE: MISCELLANEOUS DETAILS		DWG NO.: GS-10005
SCALE: NONE	DRAWN BY: AG	APPROVED BY:
		DATE: APR 2005



ANCHORAGE LAYOUT
MASONRY WIRE ANCHORS



ANCHORAGE LAYOUT
TAPCON SCREWS IN MASONRY

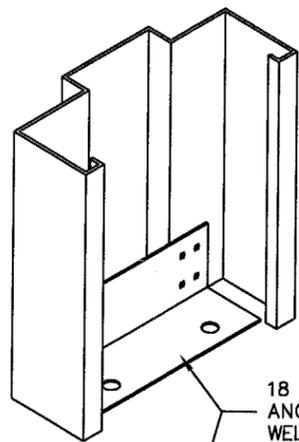


ANCHORAGE LAYOUT
TAPCON SCREWS IN WOOD

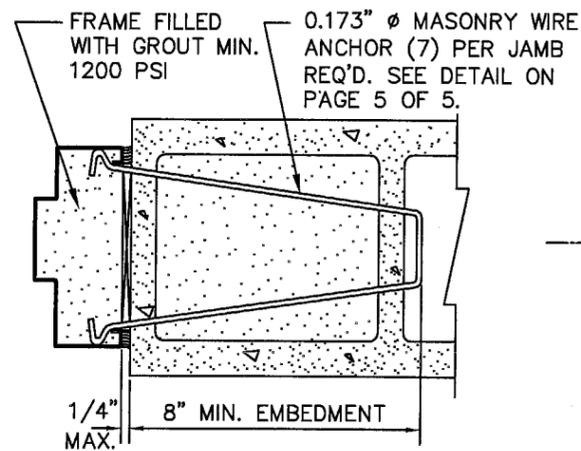
FLOOR ANCHOR (1) PER JAMB, (1) #14 TAPCON 1 1/4" MIN. EMBED. SEE DETAIL "D"

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

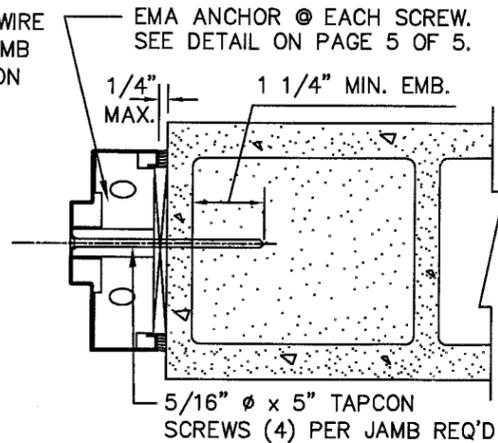
FLOOR ANCHOR (1) PER JAMB, (1) #14 TAPCON 1 1/4" MIN. EMBED. SEE DETAIL "D"



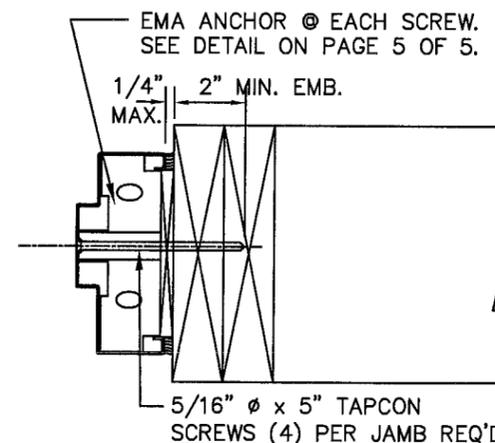
18 GA FLOOR ANCHOR PROJECTION WELDED TO FRAME



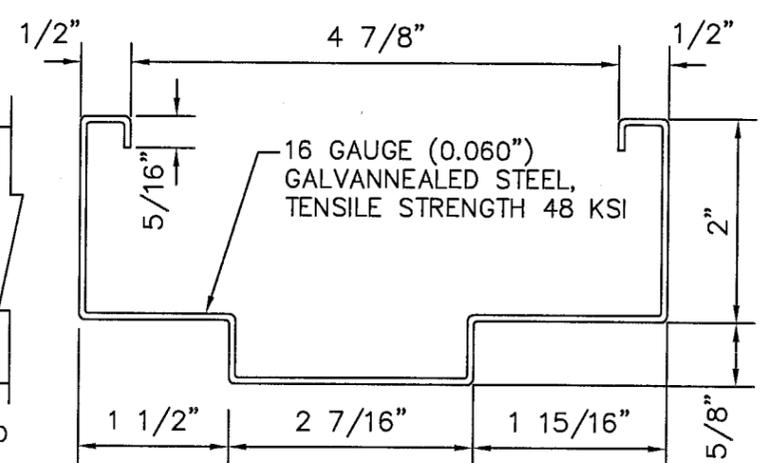
DETAIL "A"



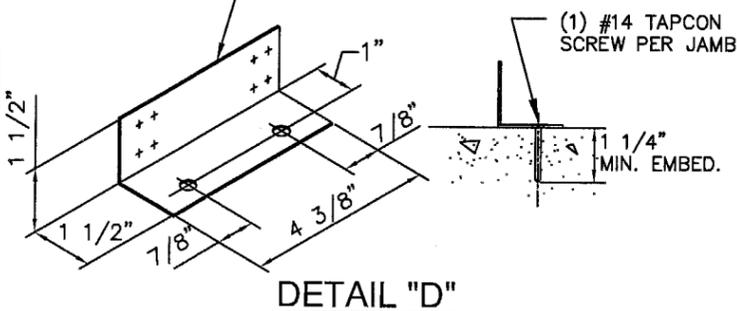
DETAIL "B"



DETAIL "C"



FRAME PROFILE



DETAIL "D"

Approved as complying with the Florida Building Code
Date 08/04/05
NOA 05-0122-11
Miami Dade Product Control Division
By *[Signature]*

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

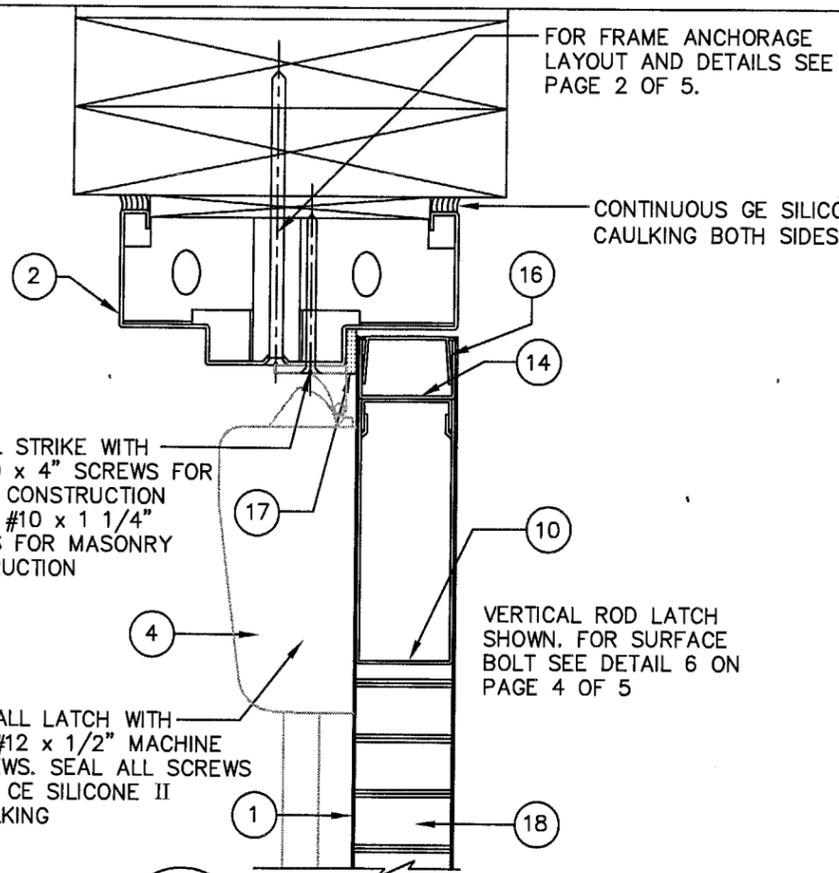
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07/05/05
FLORIDA No. 24140

MANUFACTURER:

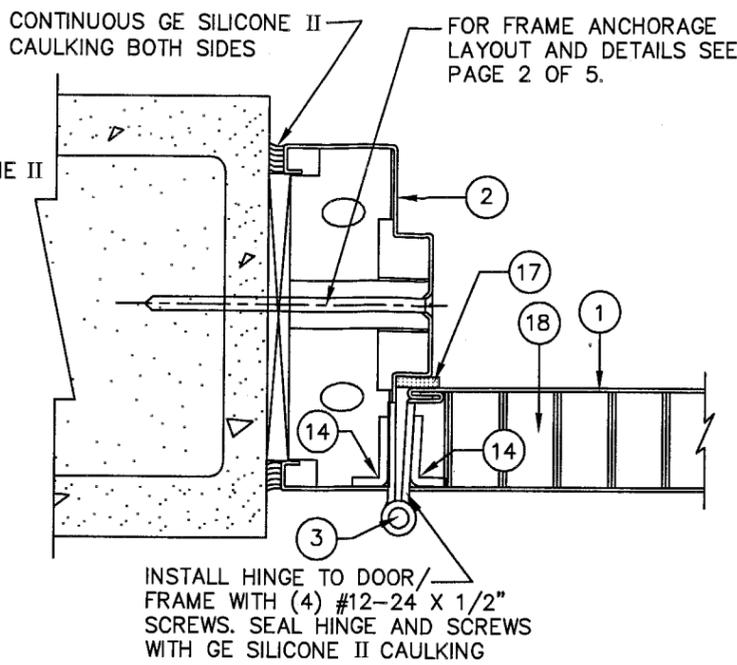


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Canada, H4T 1K6 Tel: (514) 733-3562

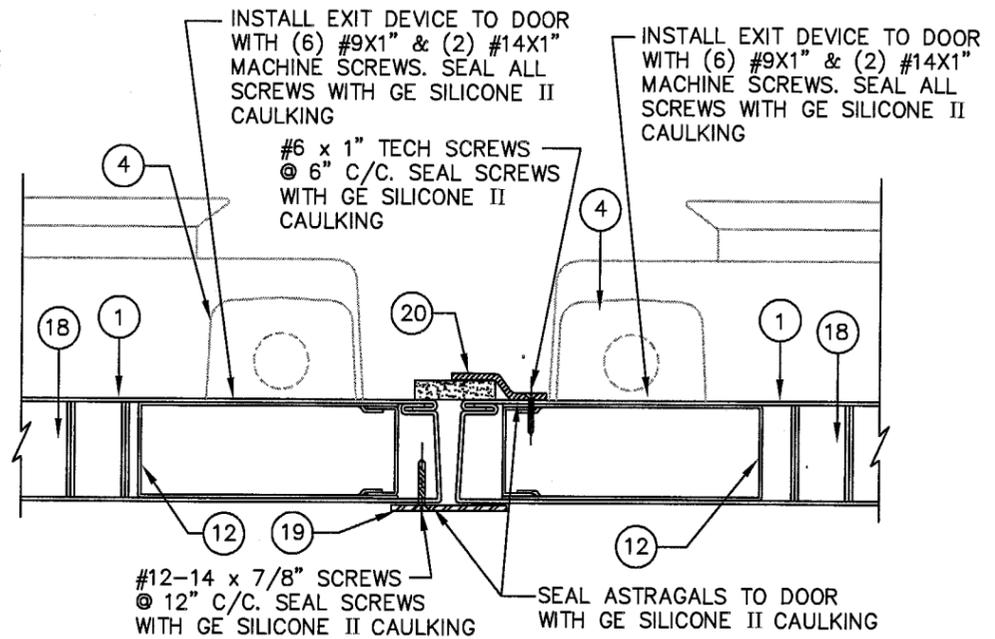
1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT:	8080 DOUBLE DOOR SYSTEM GENSTORM SERIES	SHEET NO.: 2 of 5
TITLE:	ANCHORAGE LAYOUT	DWG NO.: GS-10005
SCALE:	DRAWN BY:	APPROVED BY:
NONE	AG	
		DATE: APR 2005



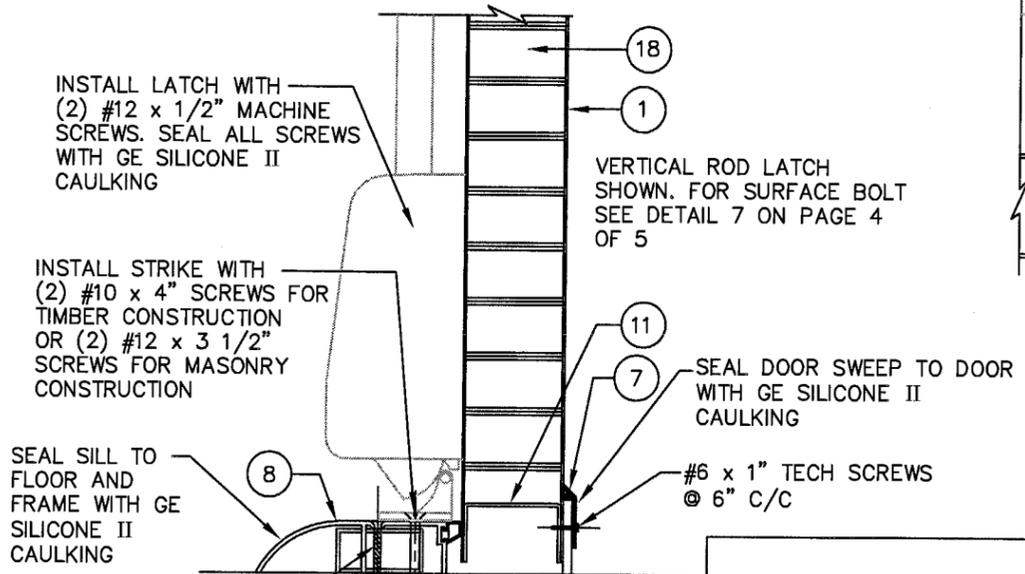
4
3 HEAD JAMB DETAIL



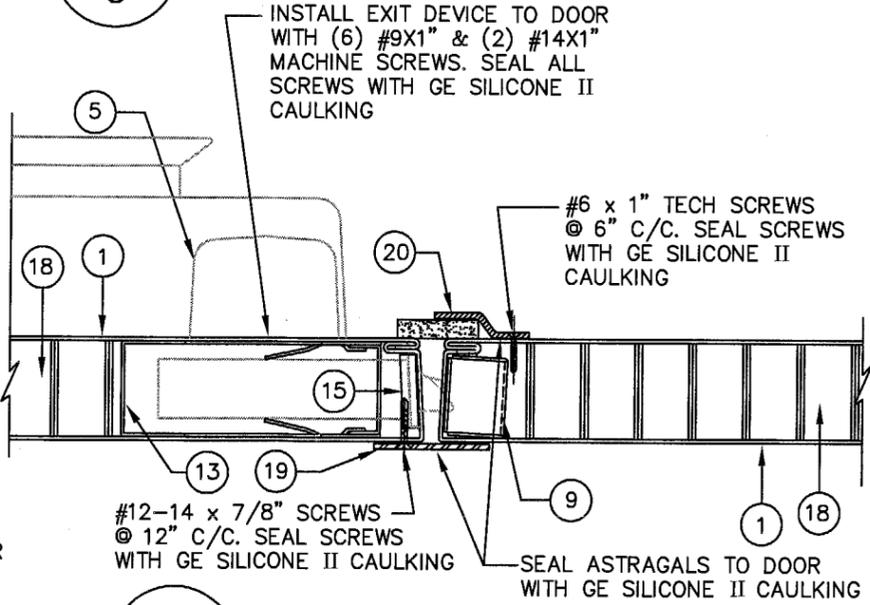
1
3 HINGE JAMB DETAIL



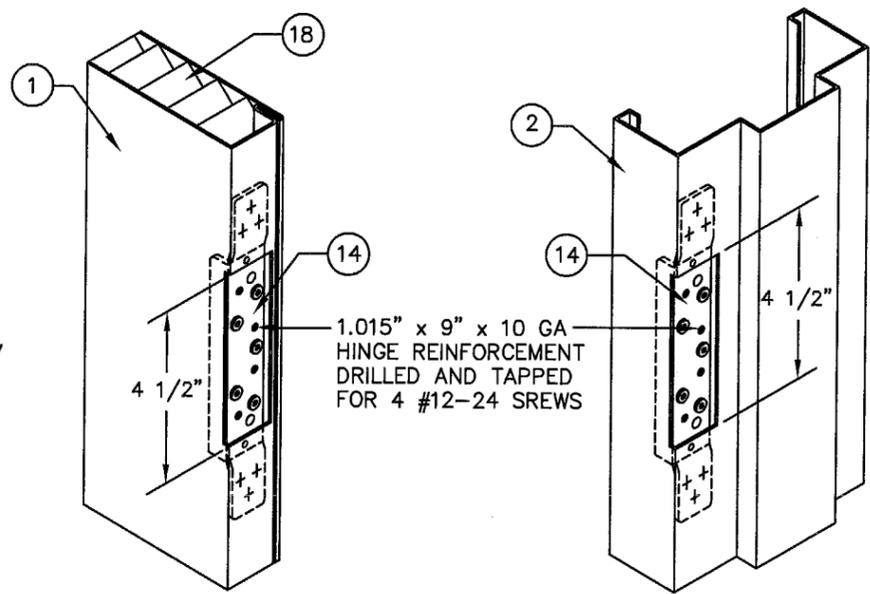
2
3 LOCK EDGE DETAIL



5
3 SILL DETAIL



3
3 LOCK EDGE DETAIL



HINGE CUTOUT DETAIL ON DOOR AND FRAME

1/4" Ø TAPCON, 1 1/4" EMBED. @ 12" C/C (6 PLACES).
5/16" Ø TAPCONS, 1 1/2" EMBED. (3 PLACES) SEE PAGE 2 OF 5 FOR LOCATION.

CONCRETE SLAB
3/4" x 1 1/2" x 1/16" ALUMINUM TUBE 14" LG. SEE PAGE 2 OF 5 FOR LOCATION

Approved as complying with the Florida Building Code
Date 06/04/05
NOA# 05-0122-11
Miami Dade Product Control Division
By *[Signature]*

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

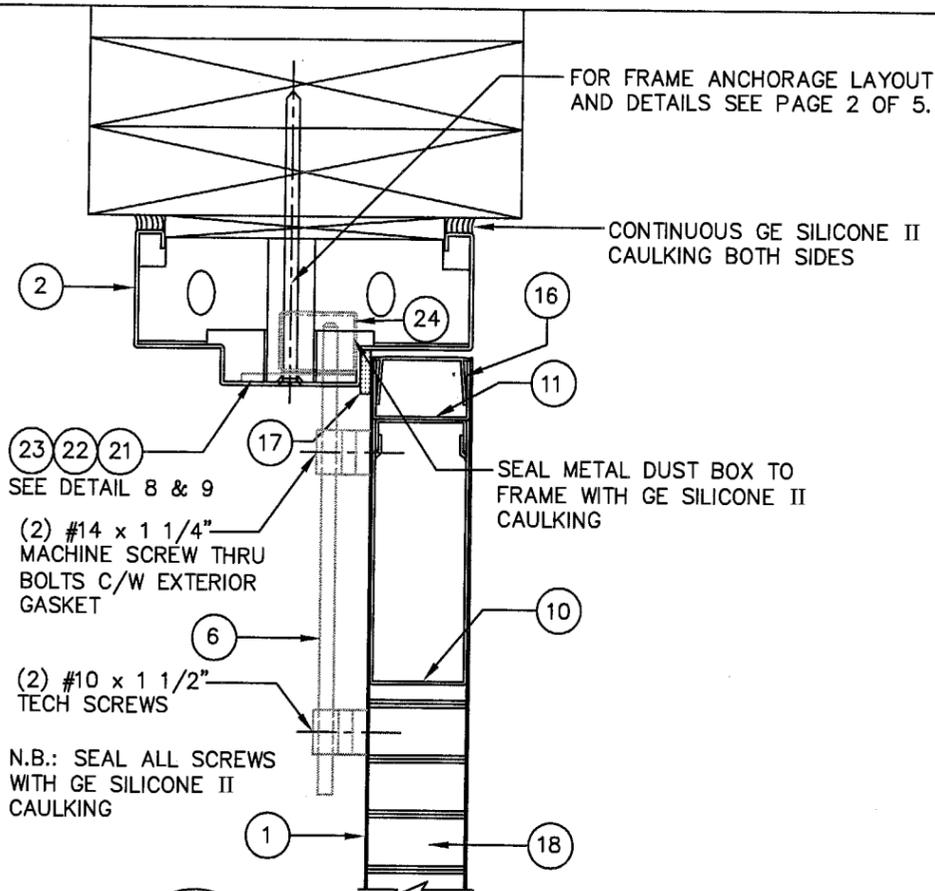
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06/05/05
FLORIDA No. 24140

MANUFACTURER:

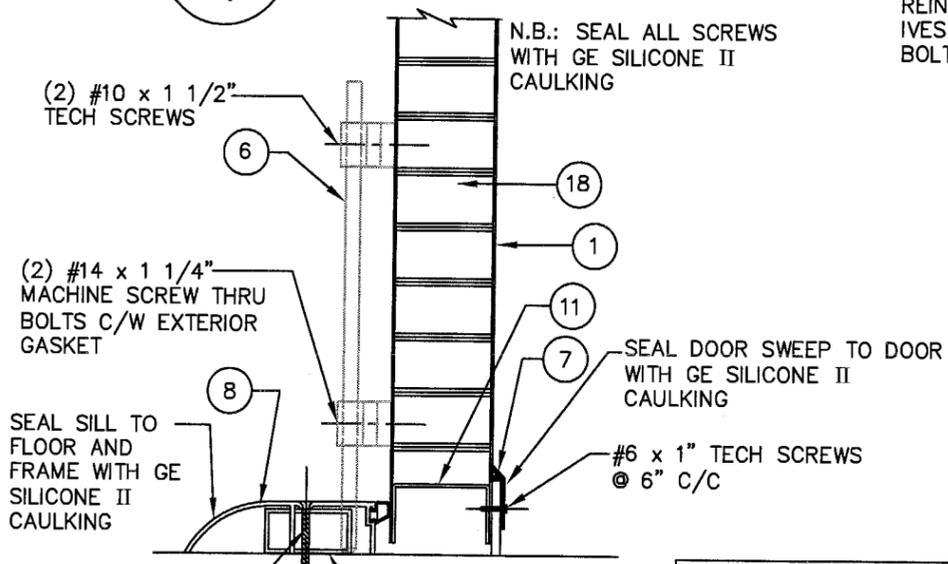


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Canada, H4T 1K6 Tel: (514) 733-3562

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT: 8080 DOUBLE DOOR SYSTEM GENSTORM SERIES		SHEET NO.: 3 of 5
TITLE: DETAILS		DWG NO.: GS-10005
SCALE: NONE	DRAWN BY: AG	APPROVED BY: DATE: APR 2005



6
4 HEAD JAMB DETAIL



7
4 SILL DETAIL

1/4" Ø TAPCON, 1 1/4" EMBED. @ 12" C/C (6 PLACES).
5/16" Ø TAPCONS, 1 1/2" EMBED. (3 PLACES) SEE PAGE 2 OF 5 FOR LOCATION.

CONCRETE SLAB

3/4" x 1 1/2" x 1/16" ALUMINUM TUBE 14" LG. SEE PAGE 2 OF 5 FOR LOCATION

Approved as complying with the Florida Building Code
Date: 08/09/05
NOA# 05-0127-11
Miami-Dade Product Control Division
By: *[Signature]*

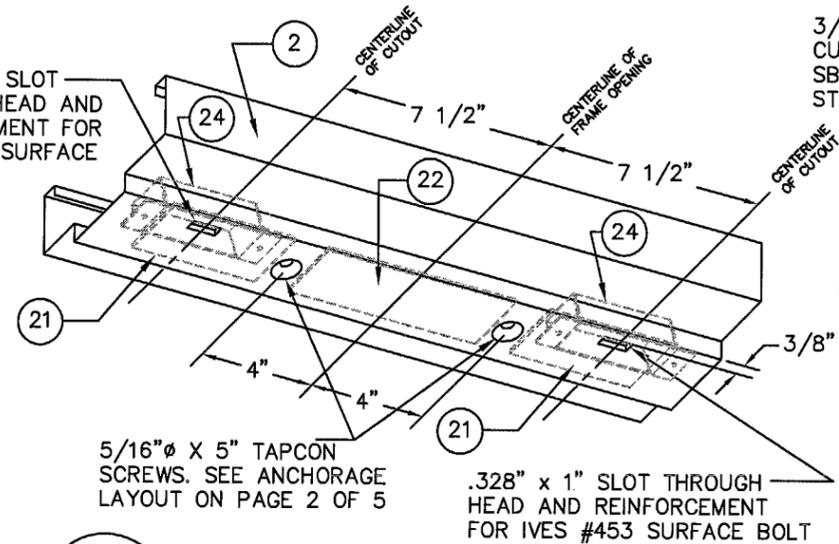
KELVYN WHITFIELD, P.E. MANUFACTURER:
1002 N.E. 116TH STREET
MIAMI, FL 33161

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

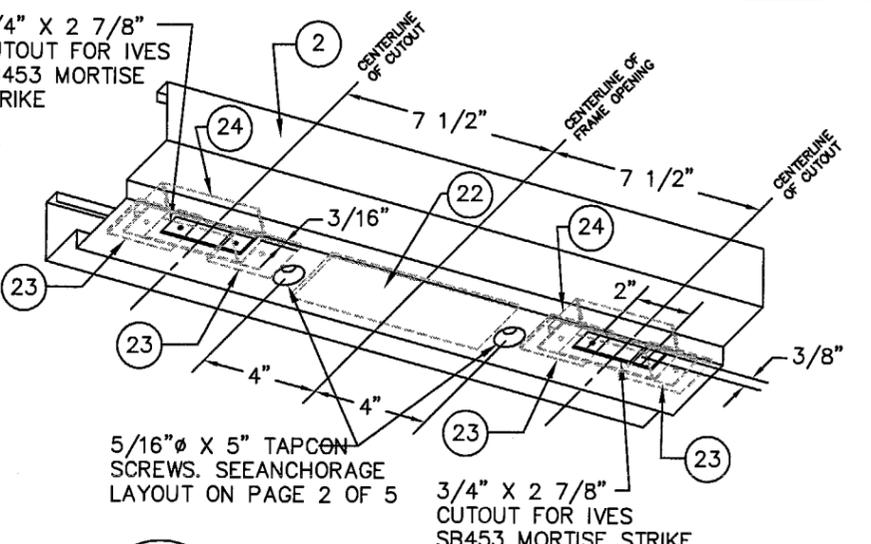
gensteel DOORS
4950, Hickmore, St-Laurent, Quebec
Canada, H4T 1K6 Tel: (514) 733-3562

BILL OF MATERIALS

ITEM	PART NO.	MATERIAL	QTY	DESCRIPTION
1	-----	STEEL (FLUSH)	2	20 GA EXTERIOR AND INTERIOR FACE SHEETS
2	-----	STEEL (16 GA)	1	16 GA STEEL FRAME
3	HBB179C15	"HARDWARE"	8	4 1/2 X 4 1/2 X .134 BUTT HINGE
4	9827EO	"HARDWARE"	2	VON DUPRIN 9827EO RIM EXIT DEVICE WITH #229 STRIKE
5	9875EO	"HARDWARE"	1	VON DUPRIN 9875 MORTISE EXIT DEVICE
6	SB453	"HARDWARE"	4	IVES SB453 SURFACE BOLT
7	2100	ALUMINUM	2	UNIQUE SASH DOOR SWEEP #2100
8	2051AT	ALUMINUM	1	PEMKO 2051AT THRESHOLD WITH VINYL INSERT
9	FR1100	STEEL (18 GA)	.1	4 7/8" STRIKE PLATE REINFORCEMENT
10	DC1000	STEEL (18 GA)	2	DOOR CLOSER REINFORCEMENT
11	CH3601	STEEL (18 GA)	4	DOOR END CHANNEL
12	DR1000	STEEL (18 GA)	2	RIM EXIT DEVICE REINFORCEMENT
13	DR1010	STEEL (18 GA)	1	MORTISE EXIT DEVICE REINFORCEMENT
14	HR1030	STEEL (10 GA)	16	HIGH FREQUENCY HINGE REINFORCEMENT
15	DR1700	STEEL (10 GA)	2	MORTISE LOCK EDGE REINFORCEMENT
16	-----	VINYL	2	VINYL CAP
17	P387	NEOPRENE	1	PEMKO P387 ADHESIVE BACK NEOPRENE WEATHERSTRIP
18	-----	KRAFT PAPER HONEYCOMB	2	CASCADE ENVIROPAC 1" CELL KRAFT PAPER HONEYCOMB
19	AS1080	STEEL (10 GA)	1	2" FLAT ASTRAGAL
20	375CR	ALUMINUM	1	PEMKO 375CR ASTRAGAL WITH SPONGE NEOPRENE
21	-----	STEEL (10 GA)	2	2" x 4 1/2" REINFORCEMENT
22	-----	STEEL (10 GA)	1	2" x 6 3/4" REINFORCEMENT
23	DR1700M	STEEL (10 GA)	4	MORTISE SURFACE BOLT STRIKE REINFORCEMENT
24	FR1100M	STEEL (18 GA)	2	DUST BOX



8
4 SURFACE BOLT STRIKE PREP OPTION "A"



9
4 MORTISE SURFACE BOLT STRIKE PREP OPTION "B"

1	AS PER BCCO NOTES	JUN 24/05
REV. NO.	DESCRIPTION	DATE
PRODUCT:	8080 DOUBLE DOOR SYSTEM GENSTORM SERIES	SHEET NO.: 4 of 5
TITLE:	DETAILS AND BILL OF MATERIALS	DWG NO.: GS-10005
SCALE:	DRAWN BY: AG	APPROVED BY:
NONE		DATE: APR 2005