



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Gensteel Doors Inc.
4950 Hickmore Street
Ville St. Laurent, Quebec, Canada H4T1K6

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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" Inswing Opaque Steel Doors

APPROVAL DOCUMENT: Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMI", sheet 1 through 8 of 8, prepared by manufacture, signed and sealed by Gordon D. Thomas, P.E. on 03/23/2022 and last revised on 02/28/2024, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. See Design Pressures & corresponding Hardware in sheets 1 & 6. Max. Exterior (positive) DP= **+33** (double), **+65** (Single) w/ PEMKO-177 AT threshold, where water infiltration requirement is needed.
2. Options **#1, 2 & #3** require total two (2) flush bolts (top/bottom) on in-active panel.

LABELING: Each unit shall bear one of the following permanent labels:

Gensteel Doors Inc.	Gensteel Doors Inc.	Gensteel Doors, USA
4950 Hickmore Street	2335 Industrial Park Drive	1551 Fairground Road
Ville St. Laurent, Quebec, Canada H4T1K6	Cornwall, Ontario, Canada K6H7M4	Madison, Georgia, USA 30650

Along w/ series or model number and the statement: "Miami-Dade County Product Control Approved".

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 **revises** NOA **#22-0330.01** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.

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

Ishaq I. Chanda



NOA No. 23-1207.13
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under file listed below)
2. Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMI", sheet 1 through 8 of 8, dated 02-02-12 and last revised on December 24, 2020, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. TESTS (submitted under file #11-0907.01)

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 (w/ PEMO 177 AT)
 - 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
 - 7) Tensile Test, per ASTM A370-05

Along with marked-up drawings and installation diagram of Genstorm Opaque Double & Single Swinging Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s). **6491**, dated 05/31/11, signed and sealed by Martin D. Brinson, P.E.

Note: This test report has addendum letter dated Nov 11, 2011 issued by Fenestration Testing lab, signed and sealed by Martin D. Brinson, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014 (**5th Edition**), prepared by MCY Engineering, Inc., dated 12/20/16, signed and sealed by Yiping Wang, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (submitted under file #11-0907.01)

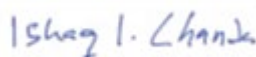
1. Tensile Test, per ASTM A370-05 item B (1) (7)
2. Tensile test report N0. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (**5th Edition**) and "No financial interest", dated 12/15/16, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
2. Statement letter of Lab. Compliance, as a part of above test reports.

G. OTHER

1. This NOA **revises & renews NOA #11-0907.01**, expiring on 02/23/22.
2. Test proposals # **10-0769R** dated 11/27/11 and e-mail 11/01/10 approved by PERA.
3. Distribution agreement between GenSteel Door, Canada & North American Door Corp, N.Y. dated 10/22/10, signed by Bruno Gervasi and Antonio Gervasi, respectively.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.13
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under NOA #18-0116.20

A. DRAWINGS

1. Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMI", sheet 1 through 8 of 8, dated 02-02-12 and last revised on JAN 02, 2018, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition), dated 01/02/18, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. E-mail statement letter dated 02/27/18 clarifying DWG changes, issued by MCY Engineering, Inc., signed by Yanet Pablos.

G. OTHER

1. This NOA revises **NOA# 17-0130.02**, expiring 02/23/22.

3. Evidence submitted under NOA #20-1230.07

A. DRAWINGS

1. Drawing No. **AD11-04**, titled "Genstorm Opaque Inswing Door - LMI", sheet 1 through 8 of 8, dated 02-02-12 and last revised on December 24, 2020, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

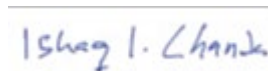
1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), dated 12/24/20, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

G. OTHER

1. This NOA revises **NOA #18-0116.20**, expiring 02/23/22.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.13
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under NOA#22-0330.01

A. DRAWINGS

1. Drawing No. **AD11-04**, titled “Genstorm Opaque Inswing Door - LMI”, sheet 1 through 8 of 8, prepared by manufacture, signed and sealed by Gordon D. Thomas, P.E. on 03/23/2022.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

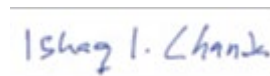
1. None.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition) and no financial interest, dated 05/02/2022, signed and sealed by Gordon D. Thomas, P.E.
2. Successor Engineer Statement letter of adopting another Engineer’s work dated 12/14/23 per FLA Administrative rule 61G15.27.001 and taking full responsibility, prepared, signed and sealed by Gordon D. Thomas, P.E. (submitted under file #23-1207.11)

G. OTHER

1. This NOA **renews NOA #20-1230.07**, expiring 02/23/22.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.13
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

Gensteel Doors Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted

A. DRAWINGS

1. Drawing No. **AD11-04**, titled “Genstorm Opaque Inswing Door - LMI”, sheet 1 through 8 of 8, dated 02/28/2024, prepared by manufacture, signed and sealed by Gordon D. Thomas, P.E.

Note: This revision is FBC 2023 notes update only.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

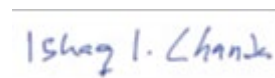
1. None.

F. STATEMENTS (item # 5 was submitted under previous submittal)

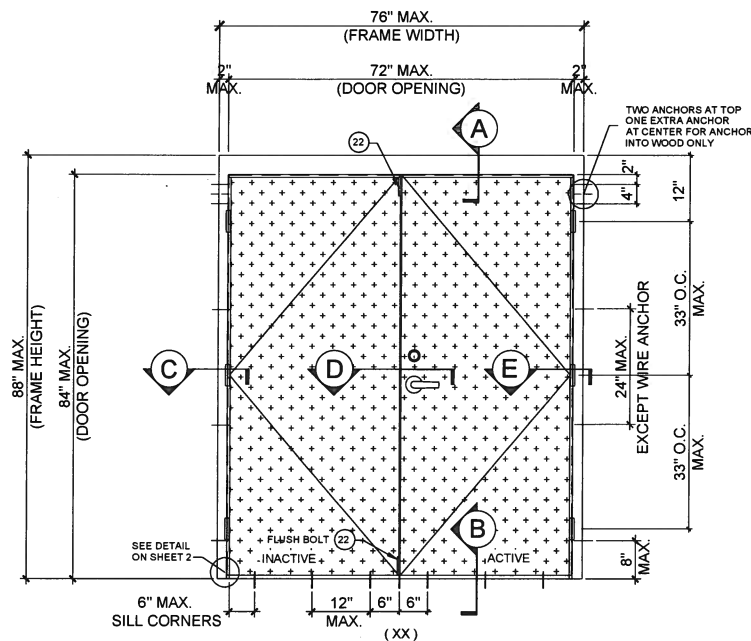
1. Statement letter of conformance to FBC 2023(8th Edition) dated 1/28/24, prepared, signed and sealed by Gordon D. Thomas, P.E.
2. Successor Engineer Statement letter of adopting another Engineer’s work dated 12/14/23 per FLA Administrative rule 61G15.27.001 and taking full responsibility, prepared, signed and sealed by Gordon D. Thomas, P.E.
3. Statement letter of “No financial interest to the testing Lab” dated 12/14/23, prepared, signed and sealed by Gordon D. Thomas, P.E.
4. Statement letter, no changes other than title block, prepared, signed and sealed by Gordon D. Thomas, P.E.
5. Distribution agreement dated JAN 26, 2021 between Gensteel Doors, Inc., Canada & North American Door Corp, N.Y. (dba Gensteel Doors, LLC, USA), signed by Bruno Gervasi, VP manufacturing and Antonio Gervasi, President, respectively on behalf of their companies.

G. OTHER

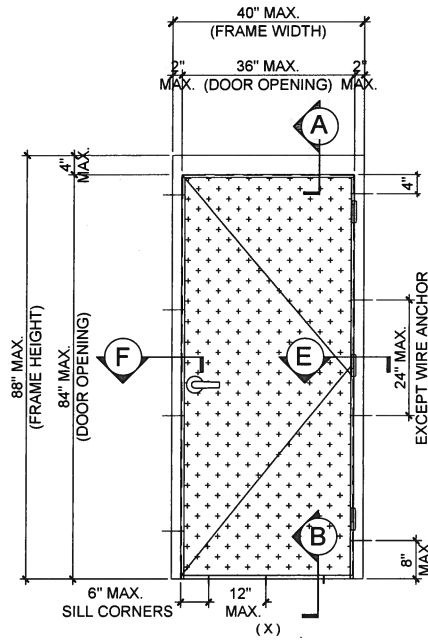
1. This NOA revises **NOA #22-0330.01**, updates to FBC 2023, expiring 02/23/27.



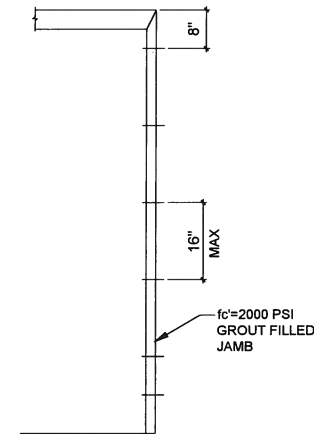
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.13
Expiration Date: February 23, 2027
Approval Date: March 14, 2024



TYPICAL EXTERIOR ELEVATION
(DOUBLE PANEL INSWING DOOR)



TYPICAL EXTERIOR ELEVATION
(SINGLE PANEL INSWING DOOR)



WIRE ANCHOR LAYOUT

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.13

Expiration Date 02/23/2027

By Isaac I. Chanik
Miami-Dade Product Control

SERIES GENSTORM OPAQUE OUTSWING STEEL DOOR (LMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- SEE DOOR DESIGN LOAD CHART FOR APPLICABLE WATER RATING WITH SILL PEMKO 177-AT OR PEMKO 2005 AT
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY GENSTEEL DOOR CO. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

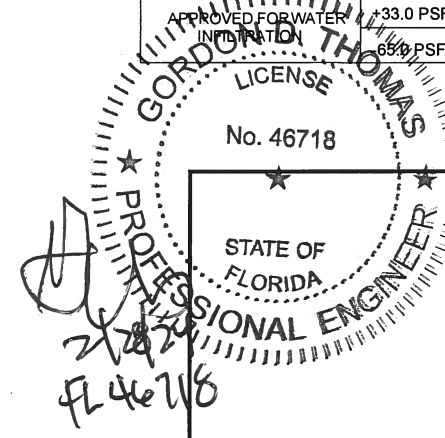
- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- DOOR PANEL: MIN. 20 GA. STEEL MIN. $F_y = 47.3$ KSI MIN., DOOR FRAME: MIN. 18 GA. STEEL MIN. $F_y = 47.3$ KSI MIN.
- DOOR PANEL STAINLESS OPTION: 20 GA. STAINLESS STEEL DOOR PANEL MEETING MIN. $F_y = 47.3$ KSI, OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.
- DOOR PANEL STAINLESS OPTION: 18 GA STAINLESS STEEL DOOR PANEL MEETING MIN $F_y = 47.3$ KSI OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.

NOTES:

EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

DOOR DESIGN LOAD (DDL)

FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	DOUBLE DOOR		SINGLE DOOR	
	WHIT SILL PMK 177-AT	WHIT SILL PMK 2005AT	WHIT SILL PMK 177-AT	WHIT SILL PMK 2005AT
NOT APPROVED FOR WATER INFILTRATION	+65.0 PSF	+65.0 PSF	+65.0 PSF	+65.0 PSF
	-65.0 PSF	-65.0 PSF	-65.0 PSF	-65.0 PSF
APPROVED FOR WATER INFILTRATION	+33.0 PSF	+33.0 PSF	+65.0 PSF	+33.0 PSF
	-65.0 PSF	-65.0 PSF	-65.0 PSF	-65.0 PSF



NO.	DATE	DESCRIPTION

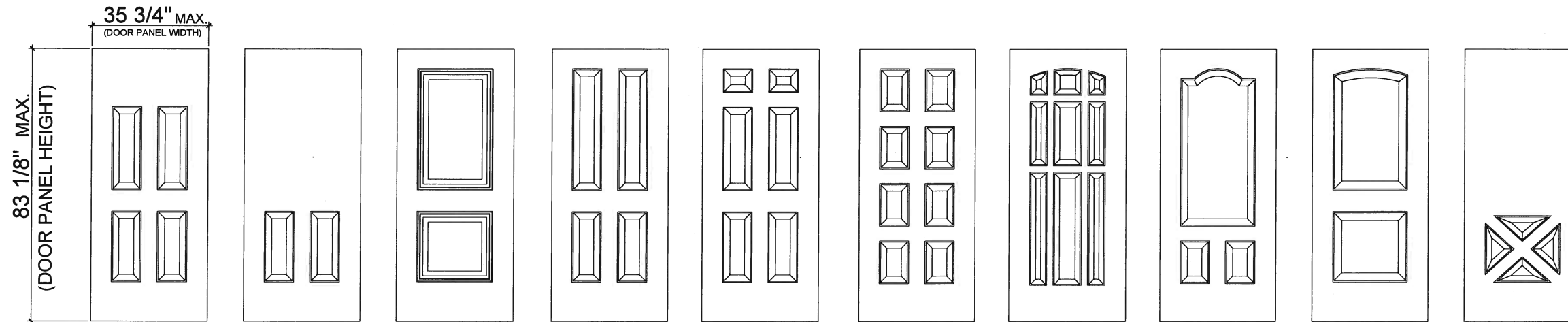
GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

gensteeldoors
www.gensteeldoors.com
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

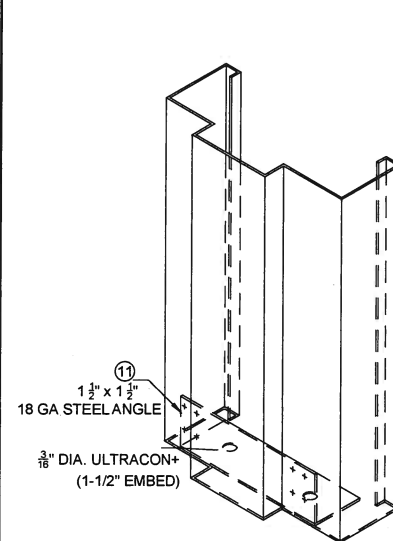
DATE	10/19/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.
AD 11-04

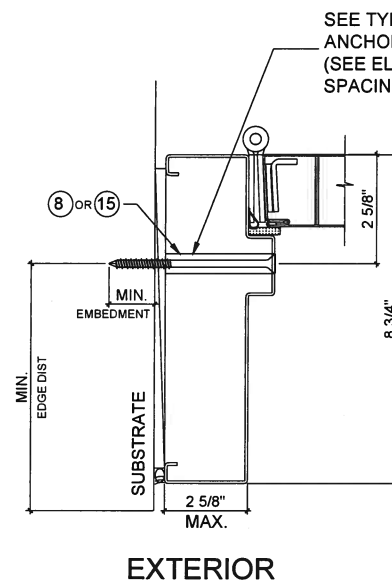
SHEET 1 OF 8



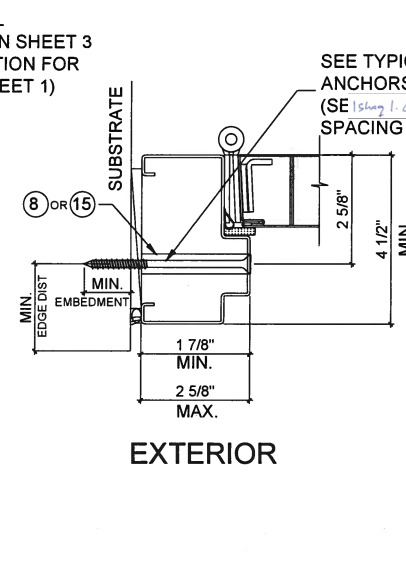
OPTIONAL EMBOSSED DOOR LEAF PATTERNS (MIN Fy=47.3 KSI)



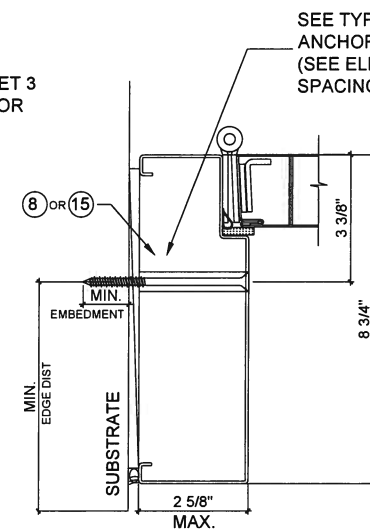
BOTTOM CORNER ANCHOR DETAIL
(OPTIONAL)



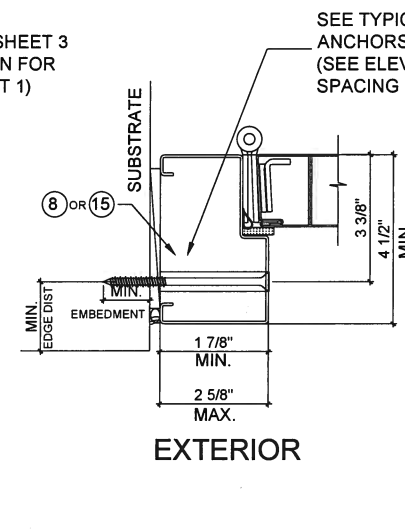
DOUBLE RABBET ANCHOR LOCATION



EXTERIOR

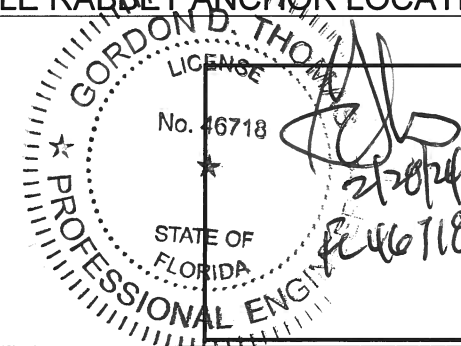


SINGLE RABBET ANCHOR LOCATION



EXTERIOR

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.13
Expiration Date 02/23/2027
By Ishag I. Chande
Miami-Dade Product Control



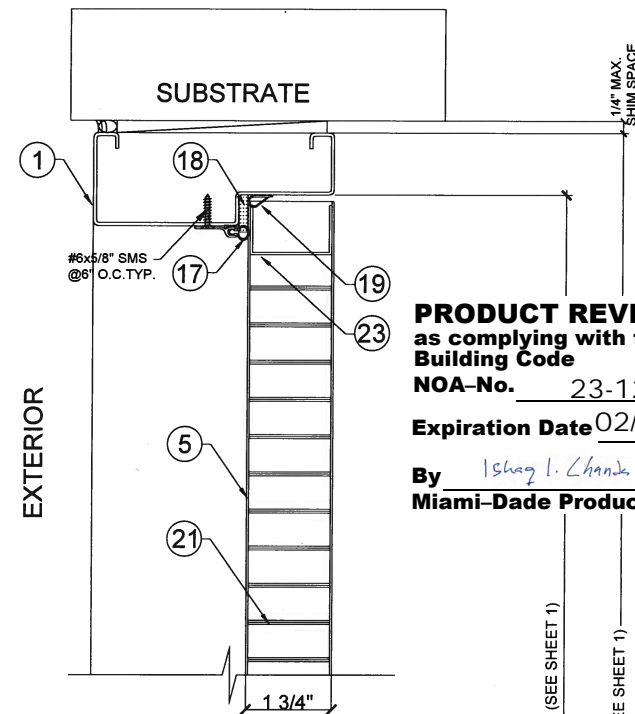
REVISIONS	
NO.	DATE DESCRIPTION

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
gensteeldoors
www.gensteeldoors.com
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

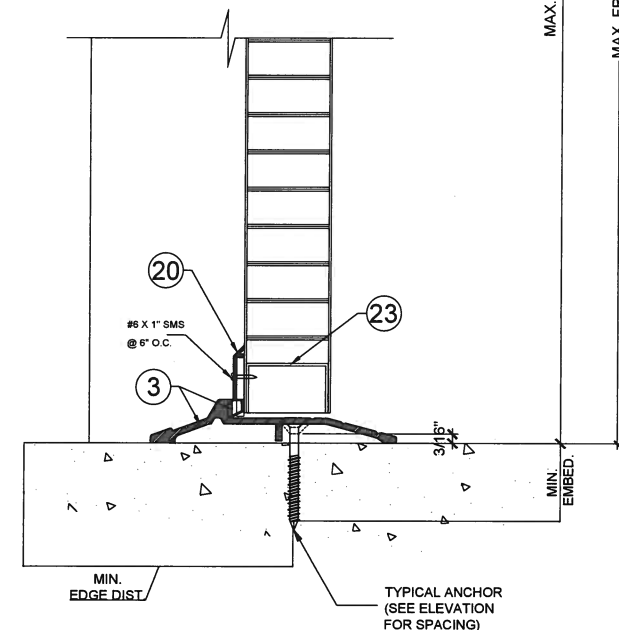
DATE	10/19/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.
AD11-04

SHEET 2 OF 8

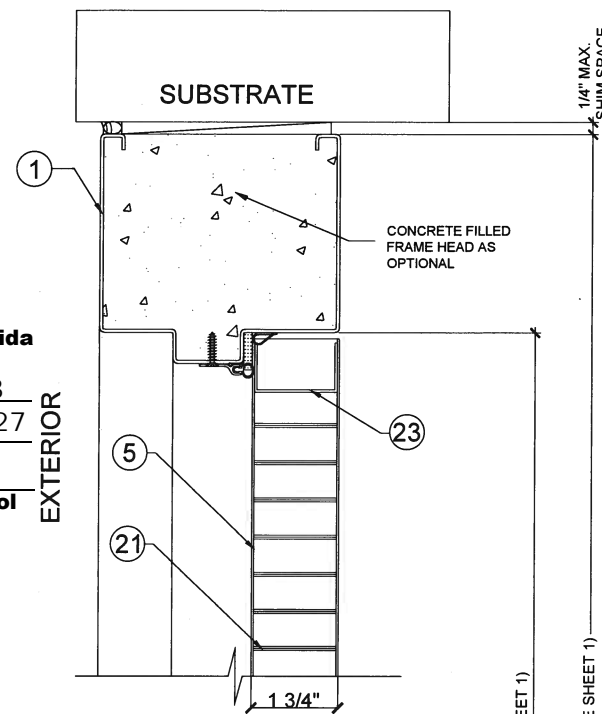


HEAD DETAIL
(SINGLE RABBET FRAME) A

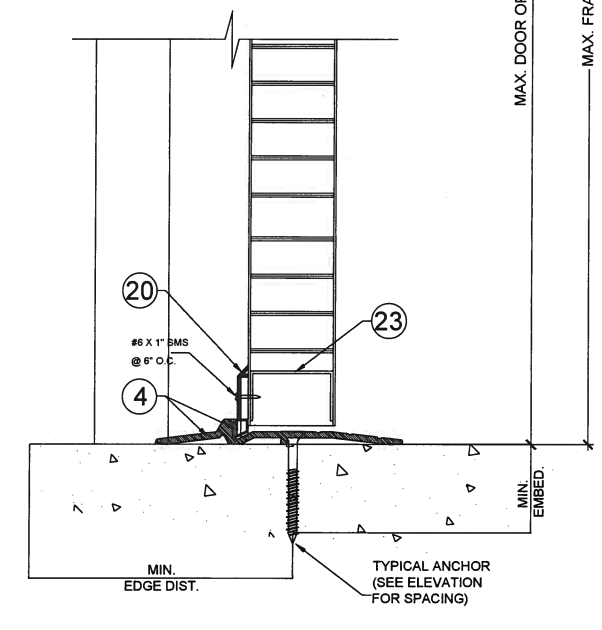


TYPICAL PMK 177-AT THRESHOLD
WATER RATED THRESHOLD
(SEE DDL TABLE ON SHEET 1) B

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.13
Expiration Date 02/23/2027
By Ishag I. Chanda
Miami-Dade Product Control



HEAD DETAIL
(DOUBLE RABBET FRAME) A



TYPICAL PMK 2005AT THRESHOLD
NON-WATER RATED THRESHOLD
(SEE DDL TABLE ON SHEET 1) B

TYPICAL ANCHORS @ JAMB: (REFER TO ELEVATION FOR SPACING)

TYPE-A 5/16" DIA. ULTRACON BY 'DEWALT' Fy=155 KSI Fu=177 KSI
DIRECTLY INTO 2BY WOOD BUCK OR WOOD MEMBERS SG=0.55
1-12" MIN. EMBED
1-1/2" MIN. EDGE DISTANCE
DIRECTLY INTO GROUT FILLED CONCRETE BLOCK fc'=2000 PSI
DIRECTLY INTO fc'=3000 PSI CONCRETE
1-3/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

TYPE-B 3/8" DIA. HLC SLEEVE ANCHOR BY 'HILTI'
DIRECTLY INTO fc'=3000 PSI CONCRETE, 3" MIN. EDGE DISTANCE
DIRECTLY INTO fc'=2000 PSI CONCRETE BLOCK, 3-1/2" MIN. EDGE DISTANCE
1-1/4" MIN. EMBED & 3-3/4" MIN. SPACING

TYPE-C 3/8" DIA. SLEEVE ANCHOR BY 'WEJ-IT'
DIRECTLY INTO fc'=4000 PSI CONCRETE, 2-3/8" MIN. EMBED
DIRECTLY INTO fc'=2000 PSI CONCRETE BLOCK, 1-1/4" MIN. EMBED
3" MIN. EDGE DISTANCE & 4" MIN. SPACING

TYPE-D 3/8" DIA. POWER BOLTS BY 'POWERS'
DIRECTLY INTO fc'=3000 PSI CONCRETE, 2-1/2" MIN. EMBED
DIRECTLY INTO fc'=1500 PSI CONCRETE BLOCK, 2" MIN. EMBED
3" MIN. EDGE DISTANCE & 4" MIN. SPACING

TYPE-E 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK)
STEEL: Fy=36 KSI MIN.
ALUMINUM: 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE-J 3/8" POWER WEDGE BOLTS BY 'POWERS'
DIRECTLY INTO fc'=3000 PSI CONCRETE
1-1/2" MIN. EMBED & 4" MIN. SPACING
3-1/4" MIN. EDGE DISTANCE

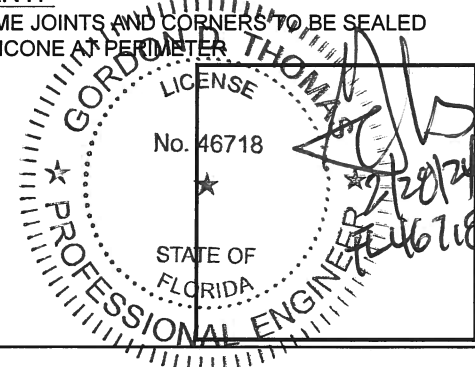
TYPE-G WIRE ANCHOR (FA3030) (Fy=60 ksi), 10" LG.
0.173" DIA. STEEL WIRE ANCHORS EMBED INTO CONCRETE BLOCK

TYPICAL ANCHORS @ THRESHOLD:

TYPE-F 1/4" DIA. ULTRACON+ BY 'DEWALT' Fy=148 KSI Fu=164 KSI OR
5/16" DIA. ULTRACON BY 'DEWALT' Fy=155 KSI Fu=177 KSI
DIRECTLY INTO fc'=3000 PSI MIN. CONCRETE
1-1/2" MIN. EMBED & 4" MIN. SPACING
2-1/2" MIN. EMBED DISTANCE

SEALANT:

ALL FRAME JOINTS AND CORNERS TO BE SEALED
WITH SILICONE AT PERIMETER

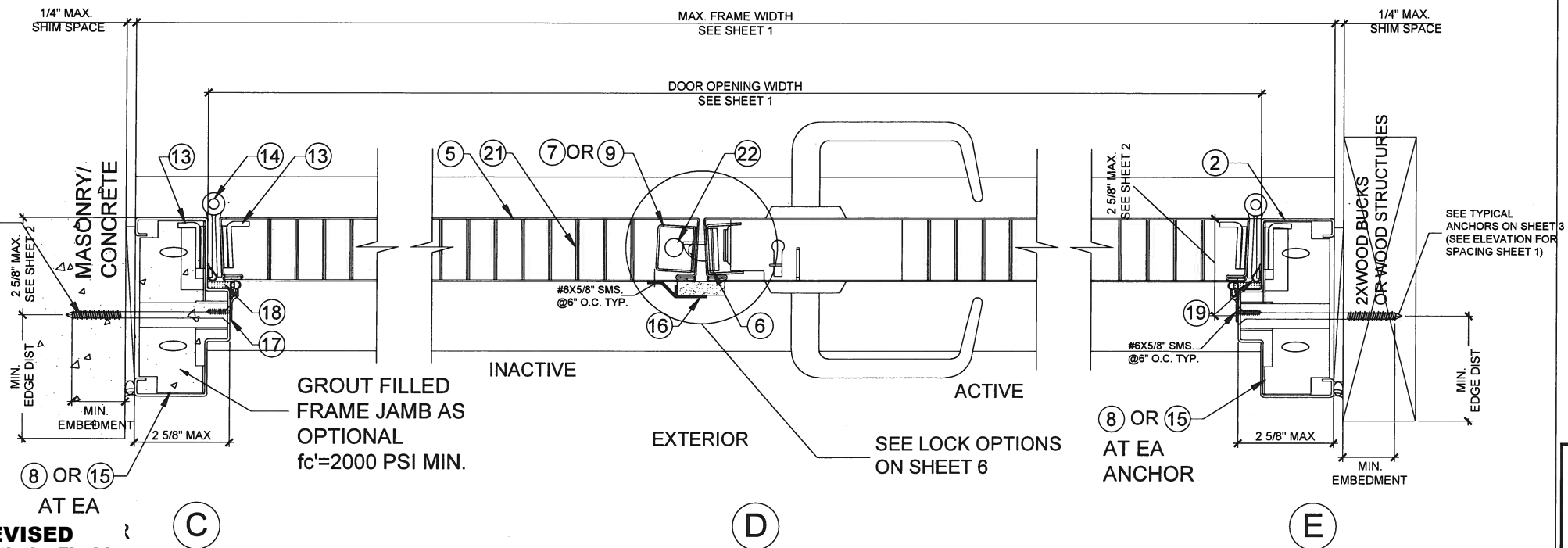


NO.	DATE	DESCRIPTION

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
gensteeldoors
www.gensteeldoors.com
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

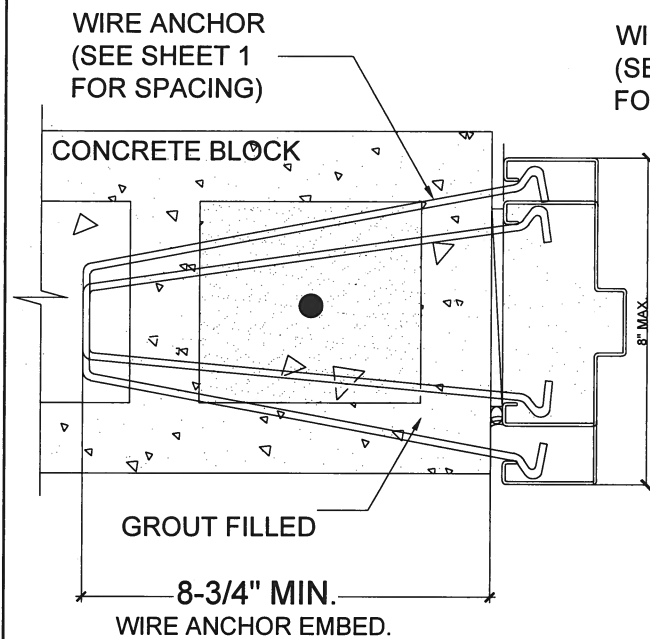
DATE	10/19/2023
SCALE	NTS.
DRAWN	
PROJECT	
DRAWING NO.	AD 11-04
SHEET	3 OF 8

SEE TYPICAL
ANCHORS ON SHEET 3
(SEE ELEVATION FOR
SPACING SHEET 1)

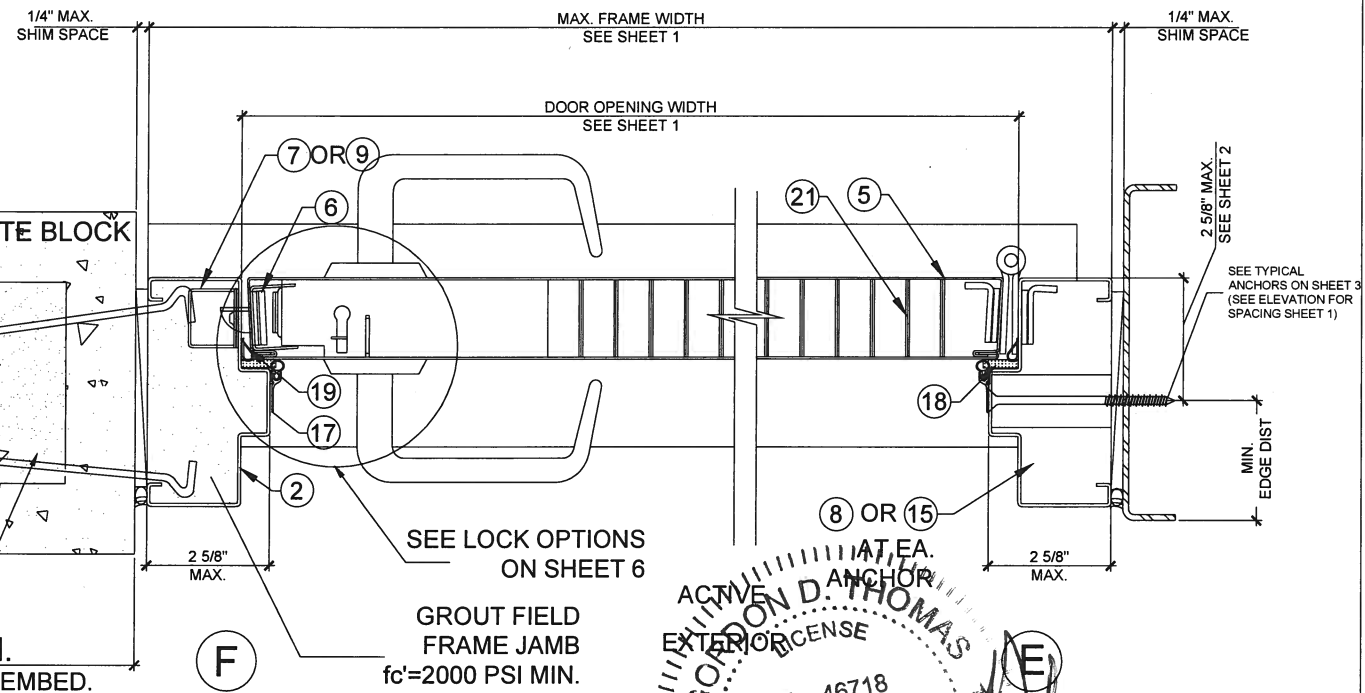
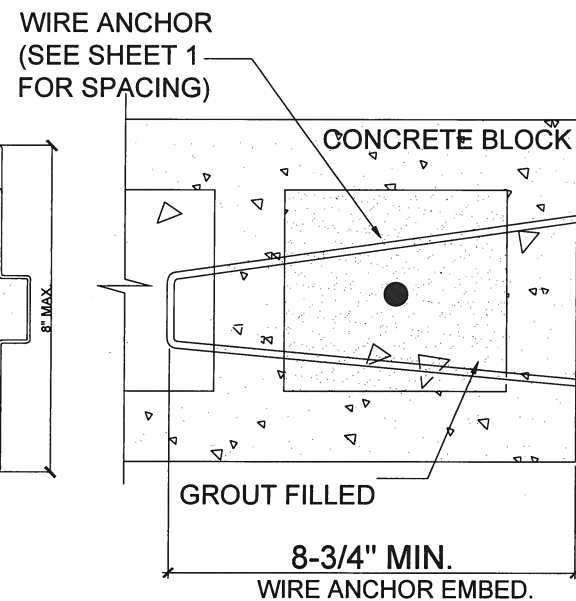


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.13
Expiration Date 02/23/2027

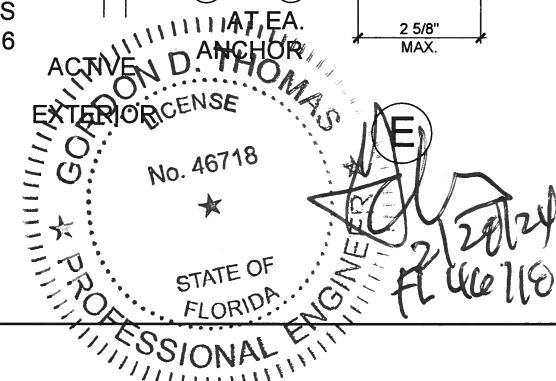
By *Ishaq I. Chandra*
Miami-Dade Product Control



**NOTE: JAMB MUST FULL
BEARING ON SUBSTRATE**



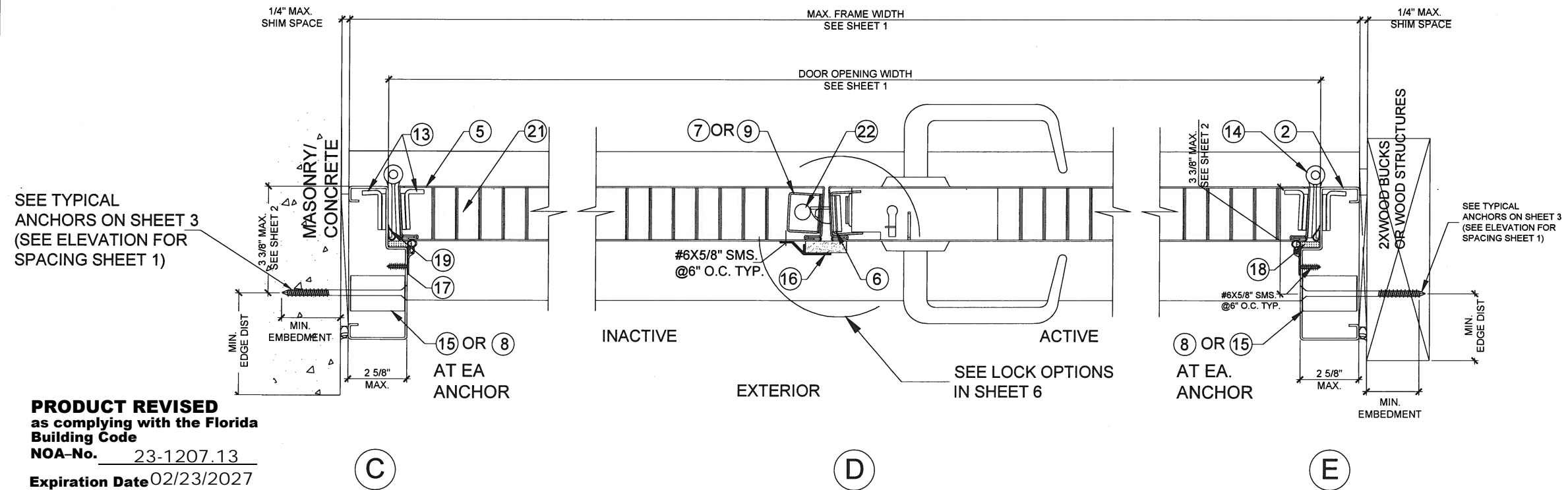
**DOOR SECTION DETAILS
FOR DOUBLE RABBIT DOOR FRAMES**



REVISIONS	DESCRIPTION
NO.	DATE

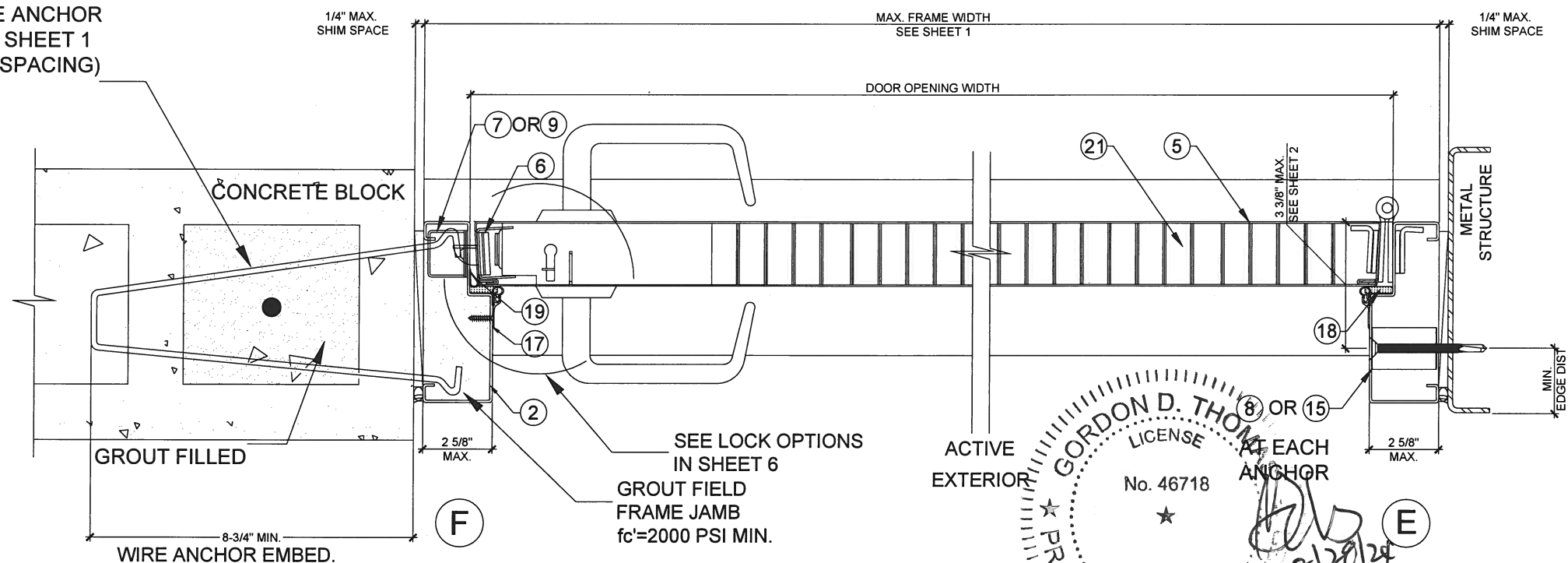
GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
gensteeldoors
www.gensteeldoors.com
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	10/19/2023
SCALE	NTS.
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PROJECT	
DRAWING NO.	AD11-04
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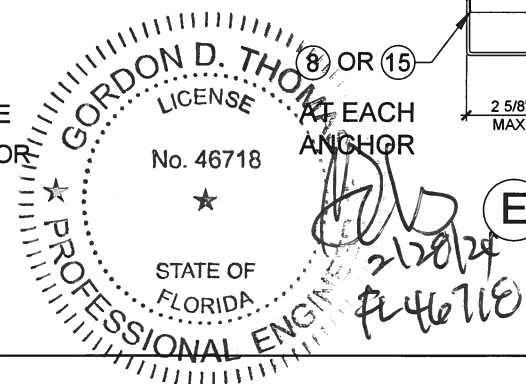
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.13
Expiration Date 02/23/2027
By Ismael L. Chanda
Miami-Dade Product Control

WIRE ANCHOR
(SEE SHEET 1
FOR SPACING)



**NOTE: JAMB MUST FULL
BEARING ON SUBSTRATE**

**DOOR SECTION DETAILS
FOR SINGLE RABBET DOOR FRAMES**



REVISIONS	
NO.	DESCRIPTION

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
gensteeldoors
www.gensteeldoors.com
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

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PROJECT	

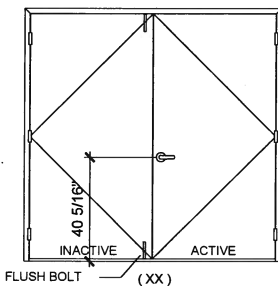
DRAWING NO.
AD 11-04

SHEET 5 OF 8

LOCK OPTIONS

(EXTERIOR ELEVATIONS - INSWING DOORS)

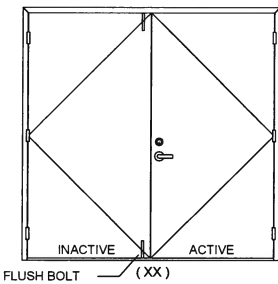
LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL
CAN APPLY TO SINGLE DOORS.



OPTION 1

ACTIVE LEAF:
DOREX 12 SERIES LOCK SET
40 5/16" FROM BOTTOM

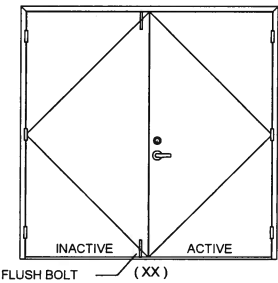
INACTIVE LEAF:
STRIKE FOR LOCKSET.
IVES FB 458 MANUAL FLUSH BOLT
(TOP & BOTTOM)



OPTION 2

ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

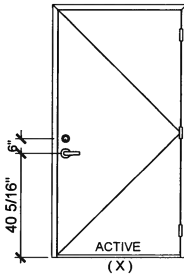
INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKE FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM



OPTION 3

ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

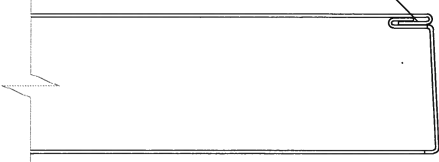
INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKE FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM



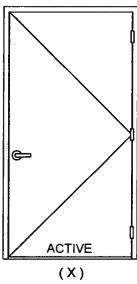
OPTION 4

ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM

CONTINUOUS VERTICAL
LOCK SEAM SPOT WELDED
AT EACH END

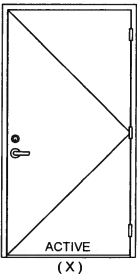


DOOR EDGE CONSTRUCTION



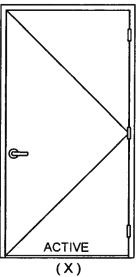
OPTION 5

ACTIVE LEAF:
DOREX FHA SERIES LOCKSET,
40 5/16" FROM BOTTOM.



OPTION 6

ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 5/16" FROM BOTTOM.



OPTION 7

ACTIVE LEAF:
SCHLAGE AL SERIES LOCKSET,
40 5/16" FROM BOTTOM.

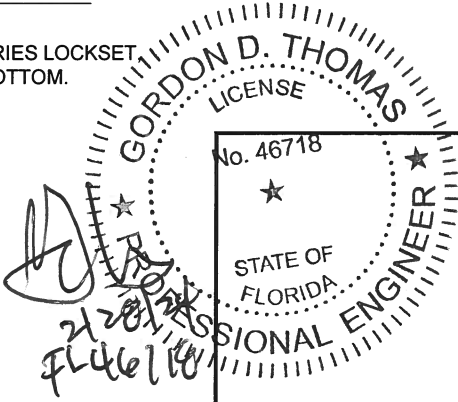
HINGES: STEEL BUTT HINGES 3 PER LEAF LOCATED
AT 12" MAX. FROM TOP OF THE DOOR TO CENTER
LINE OF 1ST HINGE AND TO BE SPACED OUT NOT TO
EXCEED 33" FROM CL TO CL OF HINGE. TO BE
FASTENED BY (4) #12-24 X 1/2" FLATHEAD MACHINE
SCREWS.

HARDWARE LOCATIONS: ALL THESE DOORS WERE
MANUFACTURED WITH THE CYLINDRICAL LEVER, OR
KNOBS AT 40-5/16" C.L. FROM THE BOTTOM OF THE
FRAME. ALL THE DEADLOCKS WERE POSITIONED
46-5/16" FROM THE BOTTOM OF THE FRAME.

PRODUCT REVISED
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Expiration Date 02/23/2027

By Ishay L. Chande
Miami-Dade Product Control



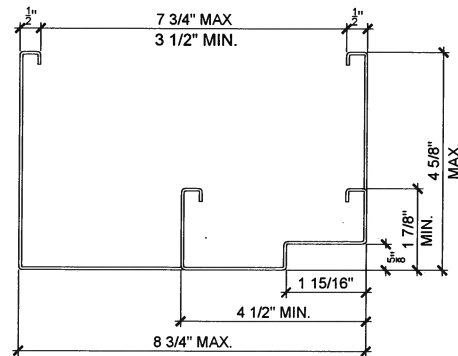
REVISIONS	
NO.	DATE

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

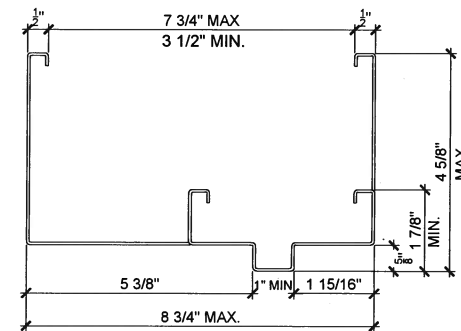
gensteeldoors
www.gensteeldoors.com

4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

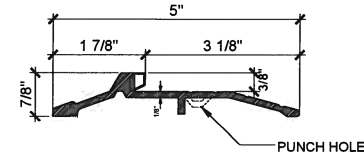
DATE	10/19/2023
SCALE	NTS.
DRAWN	
PROJECT	
DRAWING NO.	
AD 11-04	
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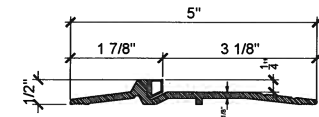
① FRAME HEAD OPTION 18GA (0.048") STEEL (SINGLE RABBIT)



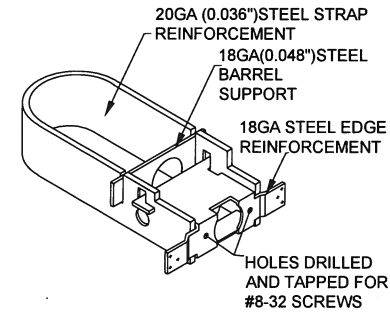
① FRAME HEAD OPTION 18GA (0.048") STEEL (DOUBLE RABBIT)



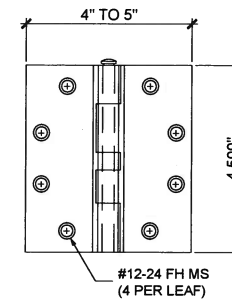
③ PEMKO 177 AT THRESHOLD



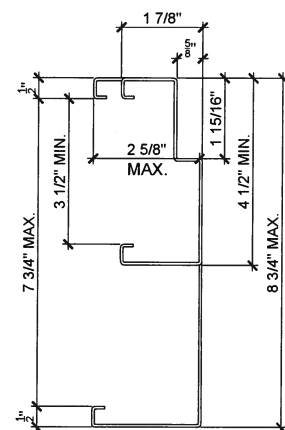
④ PEMKO 2005 AT THRESHOLD OPTION



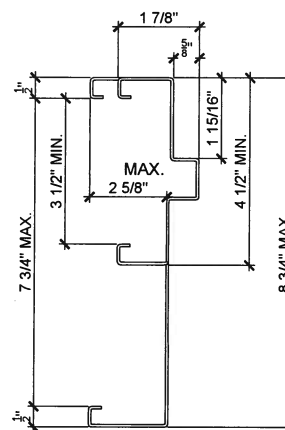
⑥ DR 1600 (CYLINDRICAL LOCK REINFORCEMENT ASSEMBLY ALSO FOR DEAD BOLT)



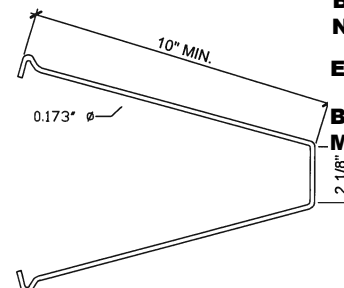
⑭ 0.134" THICK STEEL HINGE



② FRAME JAMB OPTION 18GA (0.048") STEEL (SINGLE RABBIT)

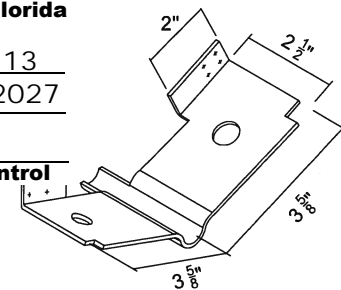


② FRAME JAMB OPTION 18GA (0.048") STEEL (DOUBLE RABBIT)

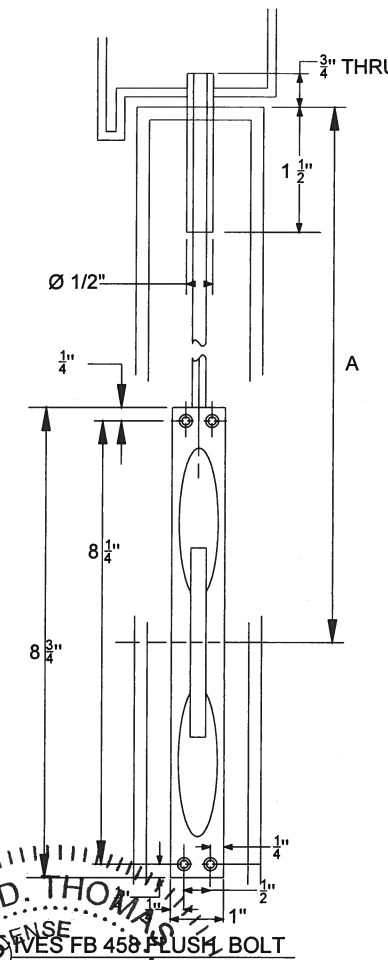
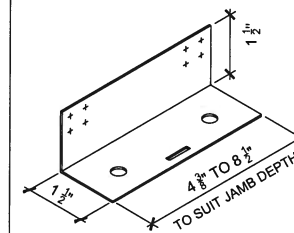


②⑤ FA3030-STEEL MASONRY WIRE ANCHOR

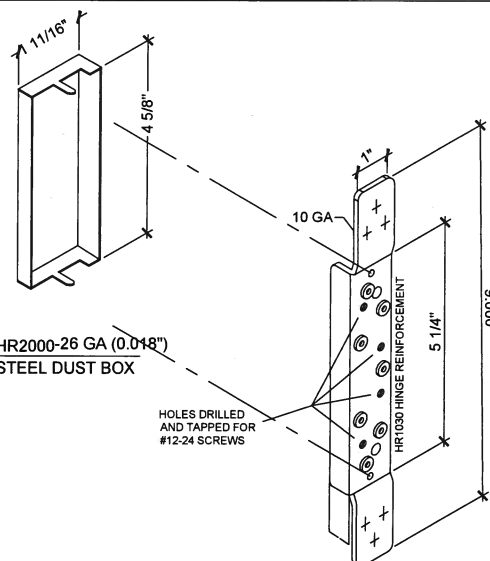
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Expiration Date 02/23/2027
By *Ishag I. Chanda*
Miami-Dade Product Control



⑧ FA3010-18GA (.048") STEEL EMA BUTTERFLY MASONRY ANCHOR

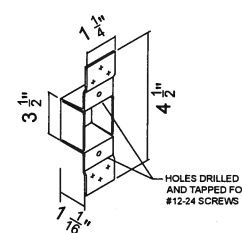


②② IVES FB 458 FLUSH BOLT

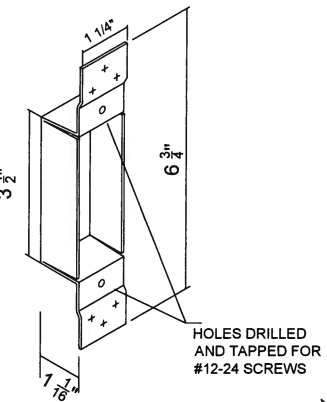


⑫ HR2000-26 GA (0.018") STEEL DUST BOX

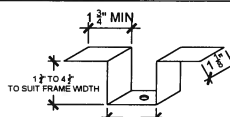
⑬ HR1030-10GA (0.134") STEEL HINGE REINFORCEMENT



⑦ FR1000-18 GA (.048") STEEL DEADBOLT STRIKE REINFORCEMENT

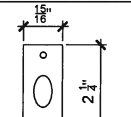


⑨ FR1100-18 GA (.048") STEEL ASA STRIKE BOX REINFORCEMENT

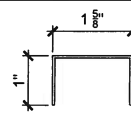


⑮ FA3012-18GA ANCHOR CLIP OPTION

OPTIONAL



②② IVES FB 458 TOP & BOTTOM BOLT (STRIKE)



②③ 18 GA CHANNEL (FULL LENGTH OF PANEL WIDTH)

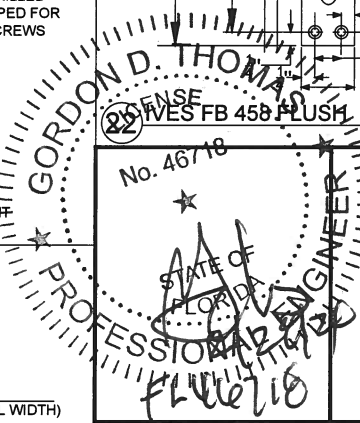
NO.	DATE	DESCRIPTION
1	05/24/10	AS PER BCCO COMMENTS

GENSTORM OPAQUE INSWING STEEL DOOR (LM)
gensteeldoors
4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.1932
Fax: 514.733.3562
www.gensteeldoors.com

DATE	10/19/2023
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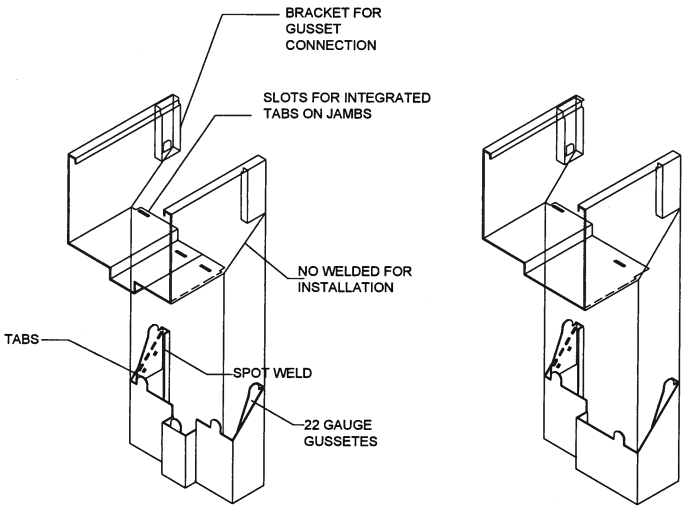
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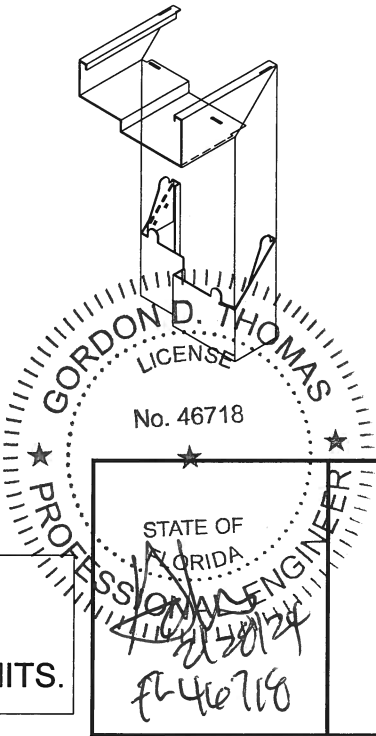
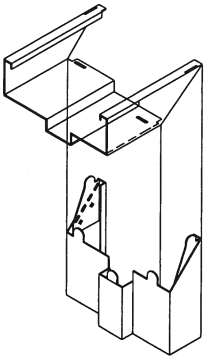
BILL OF MATERIALS

ITEM	PART NO.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER/SUPPLIER/REMARK
1	—	STEEL OR ST/ST	AS REQD.	FRAME HEAD	18GA (0.048MIN) Fy=47.3 KSI MIN.
2	—	STEEL OR ST/ST	AS REQD.	FRAME HEAD	18GA (0.048MIN) Fy=47.3 KSI MIN.
3	PMK177-AT	ALUM	1	THRESHOLD WITH THERMO SEAL INSERT	PEMKO 177AT
4	PMK 2005AT	ALUMINUM	1	OPTIONAL THRESHOLD WITH THERMO SEAL INSERT	PEMKO 2005AT
5	—	STEEL OR ST/ST	AS REQD.	DOOR PANEL 1 3/4" THK.	20GA. (0.036 MIN) Fy=47.3 KSI MIN.
6	DR1600	STEEL	AS REQD.	CYLINDRICAL LOCK REINFORCEMENT	GENSTEEL PROGRESSION WELDED TO THE PANEL
7	FR1000	STEEL	AS REQD.	DEAD BOLT STRIKE REINFORCEMENT	GENSTEEL PROGRESSION WELDED TO THE PANEL
8	FA3010	STEEL	AS REQD.	BUTTERFLY MASONRY ANCHOR	GENSTEEL
9	FR1100	STEEL	AS REQD.	ASA STRIKE BOX	GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR
10	FA3030	STEEL	AS REQD.	MASONRY WIRE ANCHOR 0.173 DIA.	GESNSTEEL Fy=60 KSI Fv=24 KSI MIN.
11	FA1040	STEEL	2	FLOOR ANCHOR 18 GA (1-1/2" X 1-1/2") (OPTION)	GENSTEEL
12	HR2000	STEEL	3 PER LEAF	HINGE DUST BOX	GENSTEEL
13	HR1030	STEEL	3 PER LEAF	HINGE REINFORCEMENT WELDED TO FRAME AND DOOR	GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR THE DOOR
14	HINGE	STEEL	3 PER LEAF	4 1/2" LONG HINGE	HAGER USA OR EQUAL
15	FA3012	STEEL	AS REQD.	ANCHOR CLIP (OPTION)	HGENSTEEL PROGRESSION WELDED TO THE FRAME
16	PEMKO P375R	—	AS REQD.	PEMKO 375R ASTRAGAL WITH SPONGENEOPRENE	PEMKO (WITH #6X5/8" ST/ST SMS @6" O.C.)
17	PEMKO 303_S	STEEL	AS REQD.	PERIMETER GASKETING WEATHERSTRIP ADAPTER	PEMKO (WITH #6X5/8" ST/ST SMS @6" O.C.)
18	PEMKO 387	—	AS REQD.	ADHESIVE CLOSED CELL SPONGE WEATHERSTRIP	PEMKO
19	PEMKO 88	SILICONSEAL TM	AS REQD.	ADHESIVE GASKETING WEATHERSTRIP	PEMKO
20	PEMKO 315_N	—	1 PER LEAF	DOOR SWEEP WEATHERSTRIP AT BOTTOM OF PANEL	PEMKO (WITH #6X1" ST/ST SMS @6" O.C.)
21	HONEYCOMB CORE	—	AS REQD.	INSIDE OF DOOR PANEL	GENSTEEL
22	IVES FB 458	STEEL	AS REQD.	IVES TOP & BOTTOM FLUSH BOLTS	IVES
23	CH3601	STEEL	AS REQD.	1" X 1-5/8" X 1" X 18GA DOOR END CHANNEL	GENSTEEL



CORNER FRAME CONSTRUCTION

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By Ishag I. Chank
Miami-Dade Product Control



THE JAMB AND HEAD MEETING CORNERS ARE
NOT REQUIRED TO BE WELDED TO EACH OTHER.
ALL THE FRAMES WERE TESTED AS "KNOCK-DOWN" UNITS.

REVISIONS	NO.	DATE	DESCRIPTION
1	05/24/10	AS PER	BCO COMMENTS

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
Gensteel
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SHEET	8 OF 8