



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, dated 02-02-12 and last revised on December 24, 2020, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E., 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 #18-0116.20** and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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 DEC 20, 2016, 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/ PEMA 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

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 20-1230.07

Expiration Date: February 23, 2022

Approval Date: February 04, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approval

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 # 17-0130.02, expiring 02/23/22.

3. New Evidence submitted

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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1230.07
Expiration Date: February 23, 2022
Approval Date: February 04, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

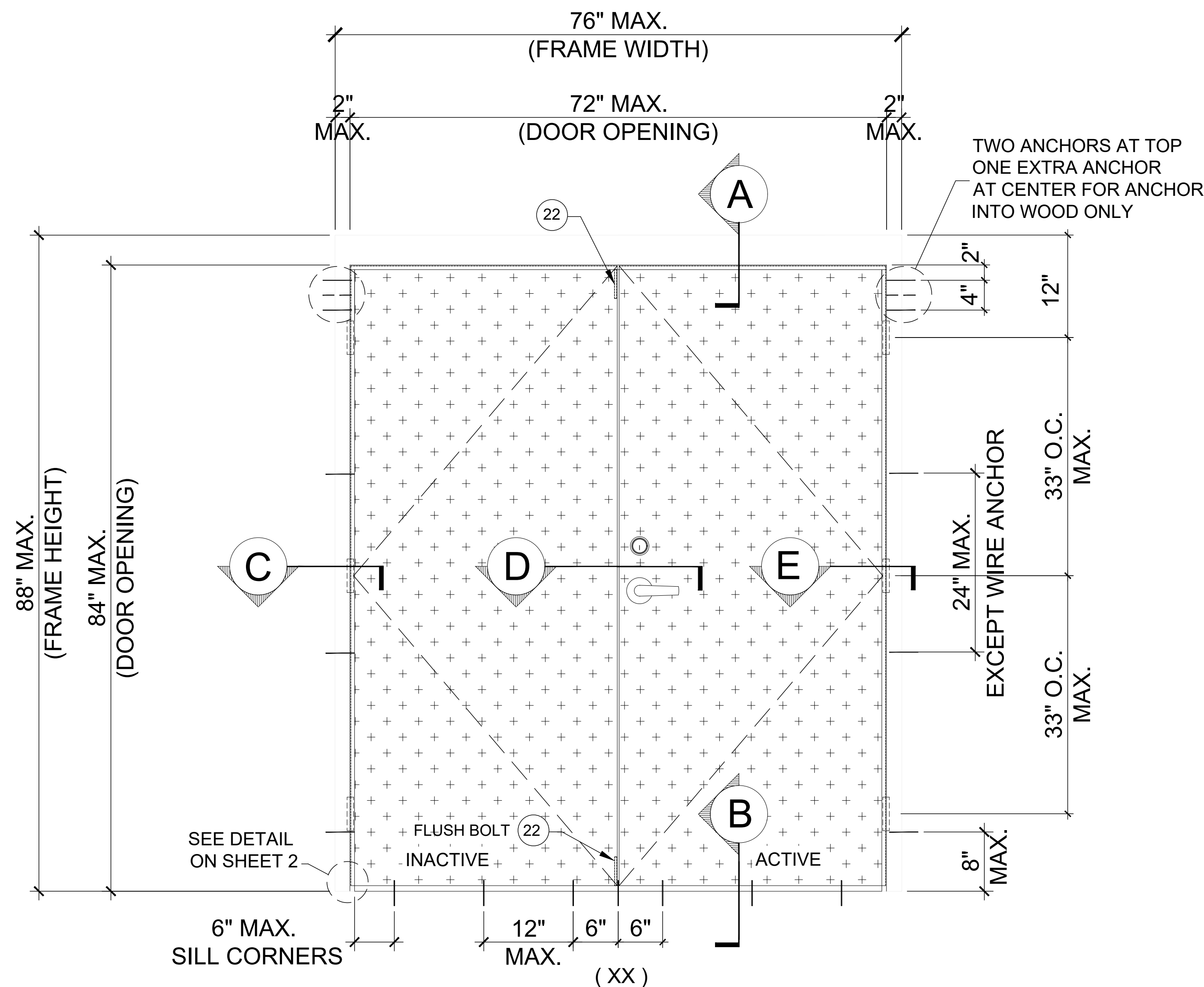
1. Statement letter of conformance to FBC 2020 (7th Edition), dated 12/24/20, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Distribution agreement dated JAN 26, 2021 between Gensteel Doors, Inc., Canada & North American Door Corp, N.Y. (dba Gensteel Doors, LLC, USA), signed by Bruno Gervasi, VP manufacturing and Antonio Gervasi, President, respectively on behalf of their companies.

G. OTHER

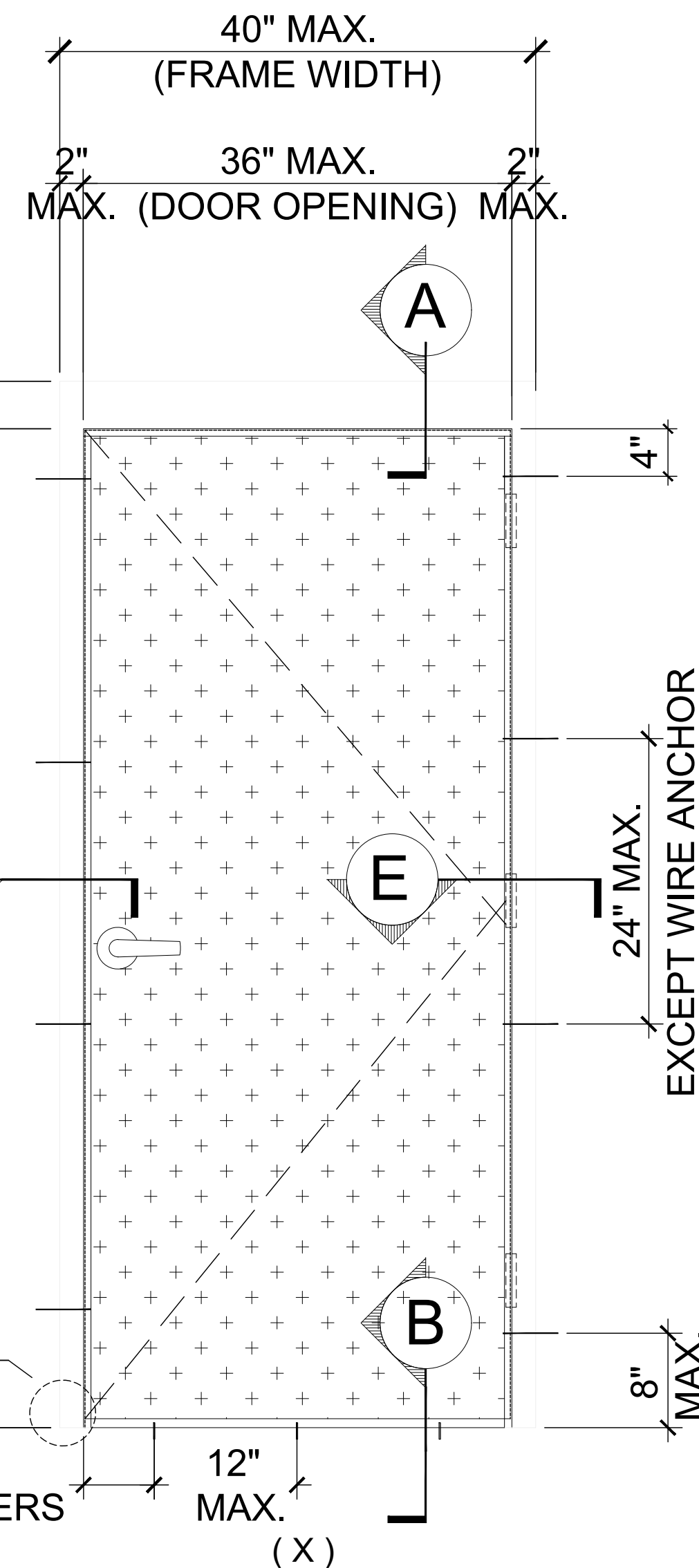
1. This NOA revises NOA #18-0116.20, expiring 02/23/22.

Ishaq I. Chanda

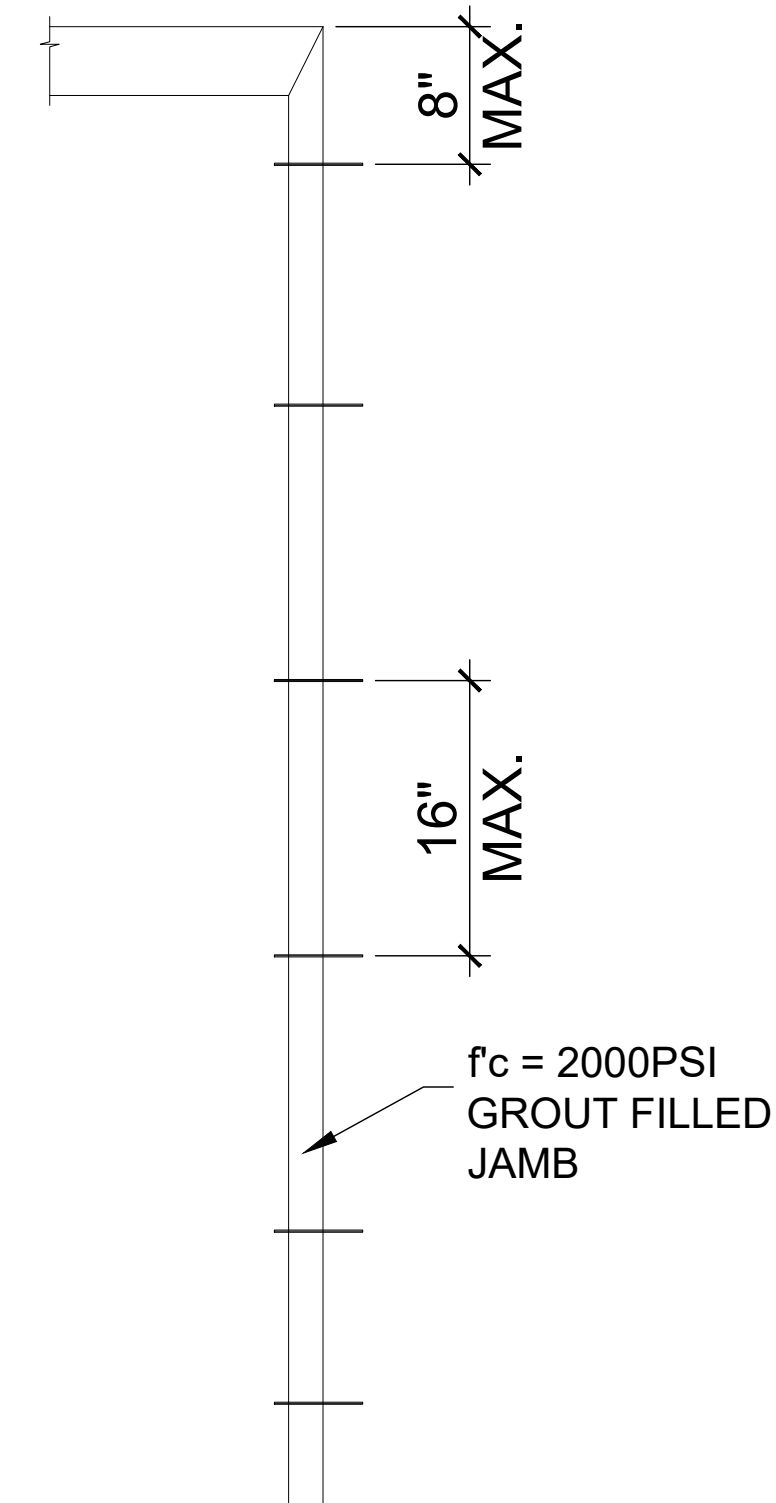
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1230.07
Expiration Date: February 23, 2022
Approval Date: February 04, 2021



TYPICAL EXTERIOR ELEVATION
(DOUBLE PANEL INSWING DOOR)



TYPICAL EXTERIOR ELEVATION
(SINGLE PANEL INSWING DOOR)



WIRE ANCHOR LAYOUT

SERIES GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) 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 7TH EDITION FLORIDA BUILDING CODE (2020) 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 FRAME STAINLESS OPTION: 18 GA STAINLESS STEEL DOOR FRAME 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.

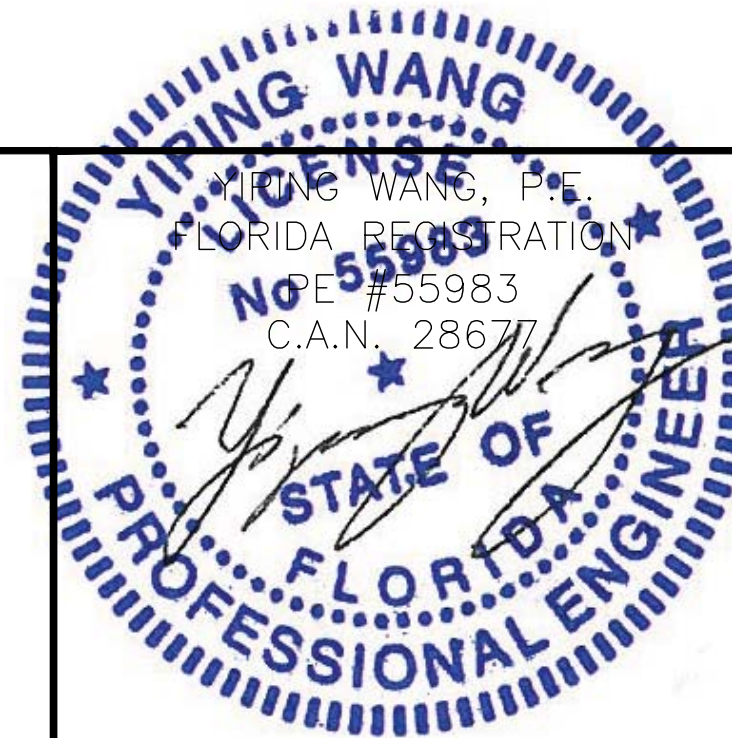
DOOR DESIGN LOAD				
FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	DOUBLE DOOR		SINGLE DOOR	
	WITH SILL PMK 177-AT	WITH SILL PMK 2005AT	WITH SILL PMK 177-AT	WITH SILL PMK 2005AT
NOT APPROVED FOR WATER INFILTRATION	+65.0 PSF	+65.0 PSF	+65.0 PSF	+65.0 PSF
	-65.0PSF	-65.0PSF	-65.0PSF	-65.0PSF
APPROVED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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.07

Expiration Date 02/23/2022

By Ishag I. Chank
Miami-Dade Product Control

MIAMI DADE COUNTY



December 24th, 2020

REVISIONS	
NO.	DATE
1	12/16/16
2	11/24/20

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

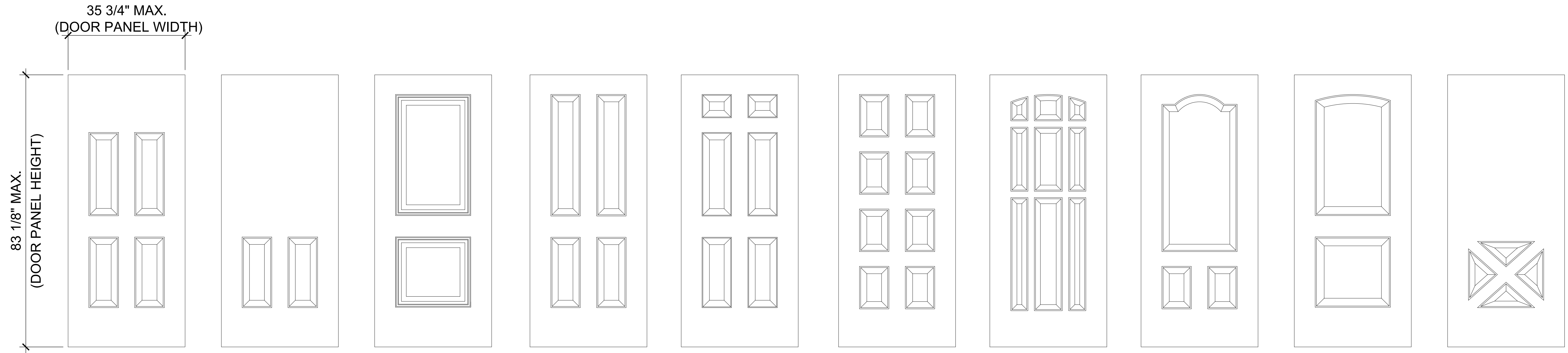
Gensteeldoors
www.gensteeldoors.com

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

DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-04

SHEET 1 OF 8

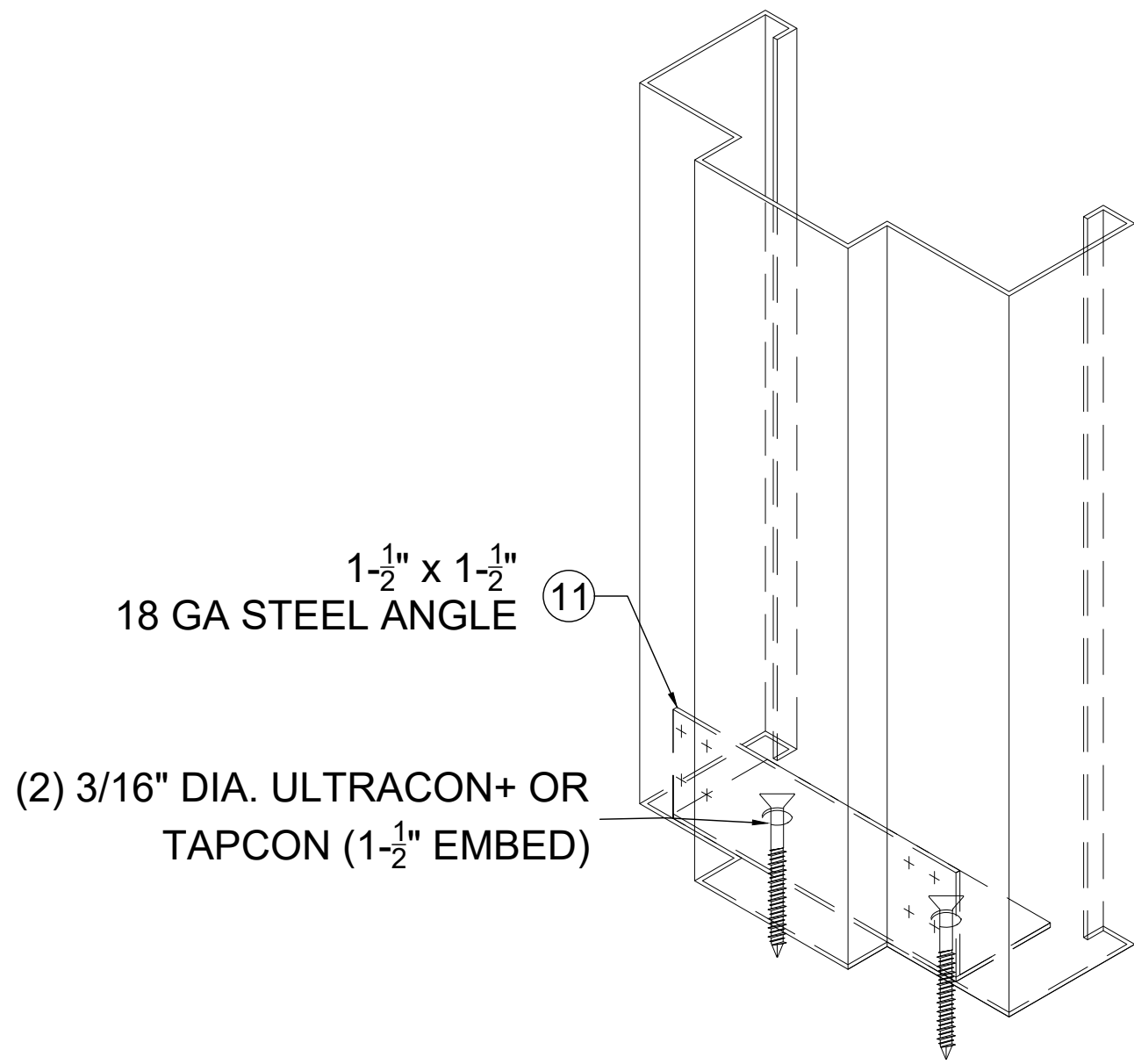


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.07

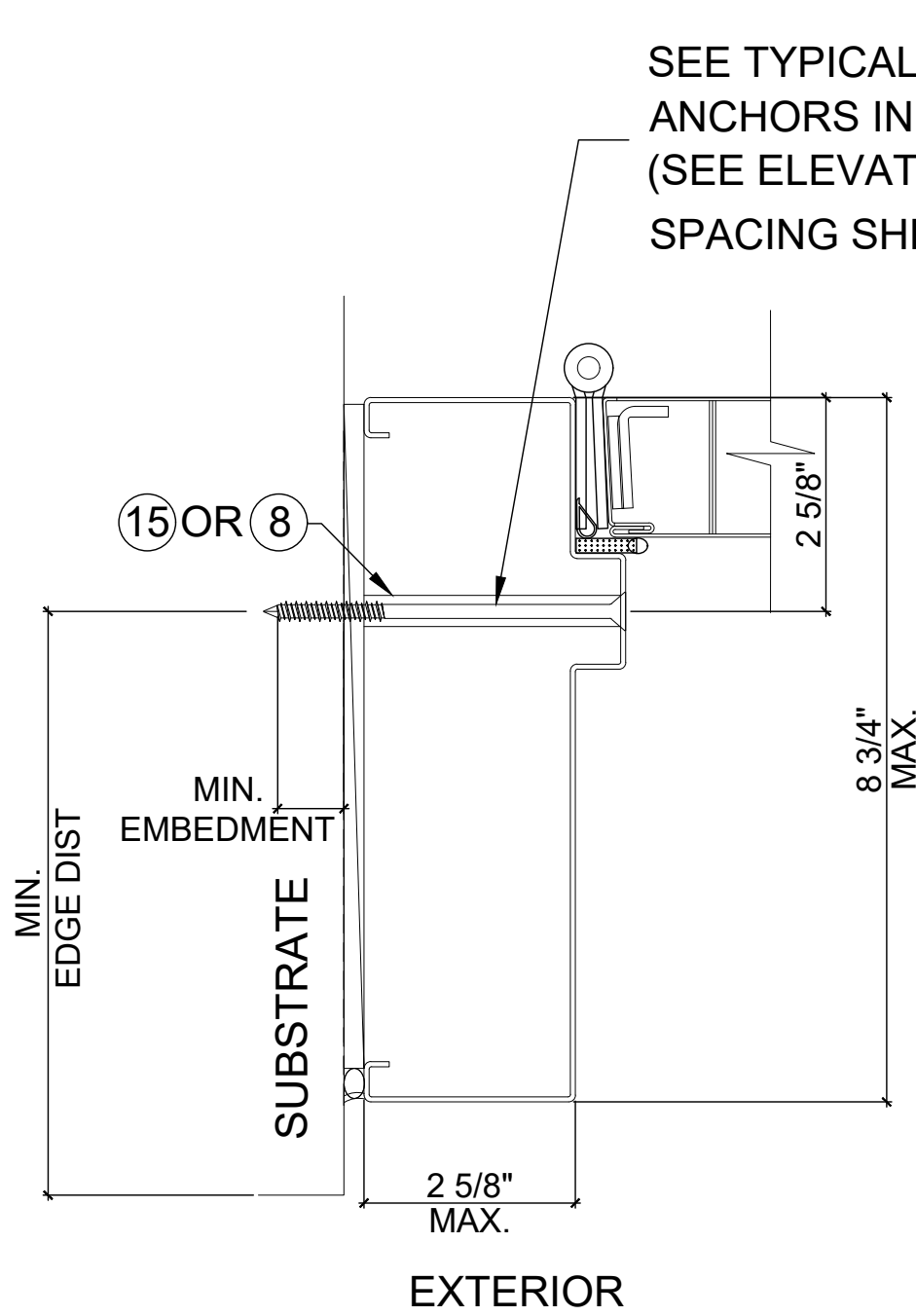
Expiration Date 02/23/2022

By Ishag I. Chank
Miami-Dade Product Control

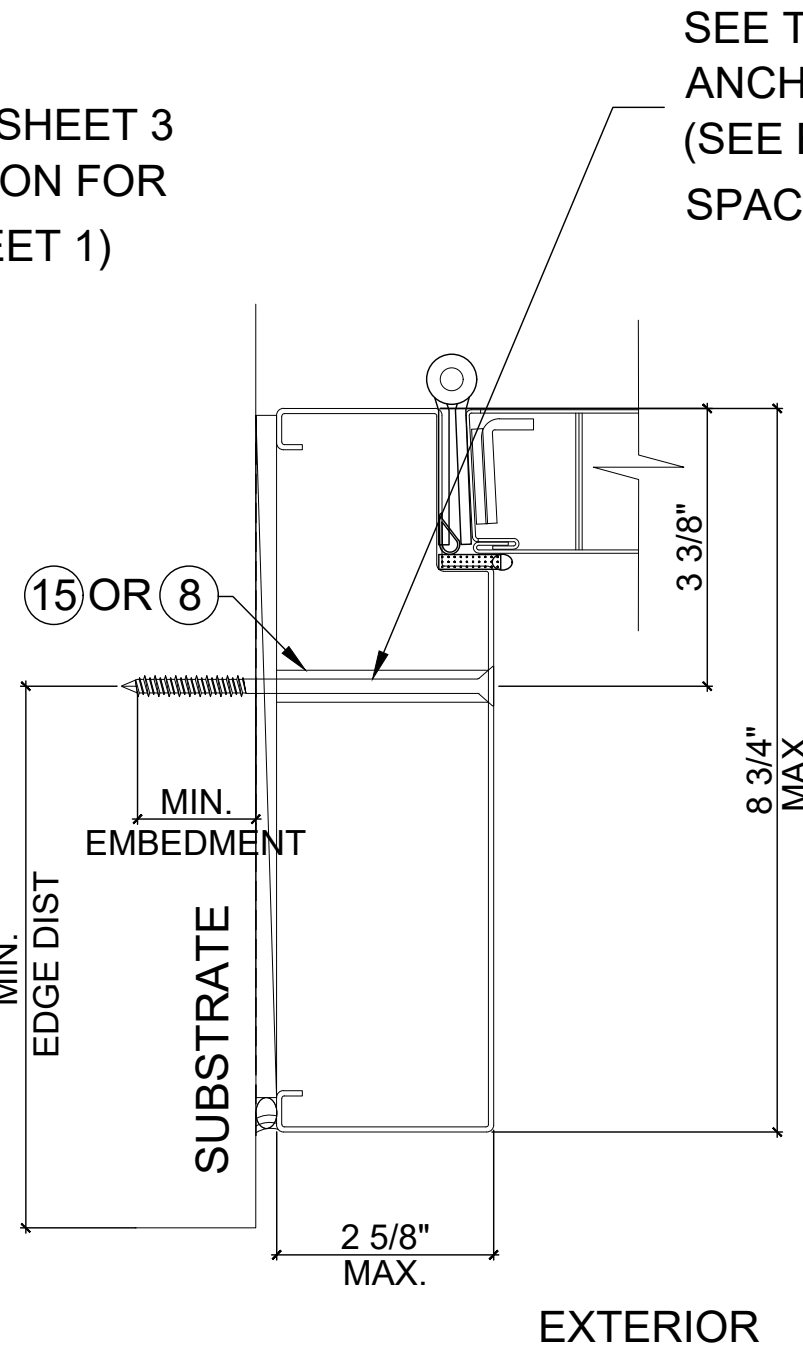
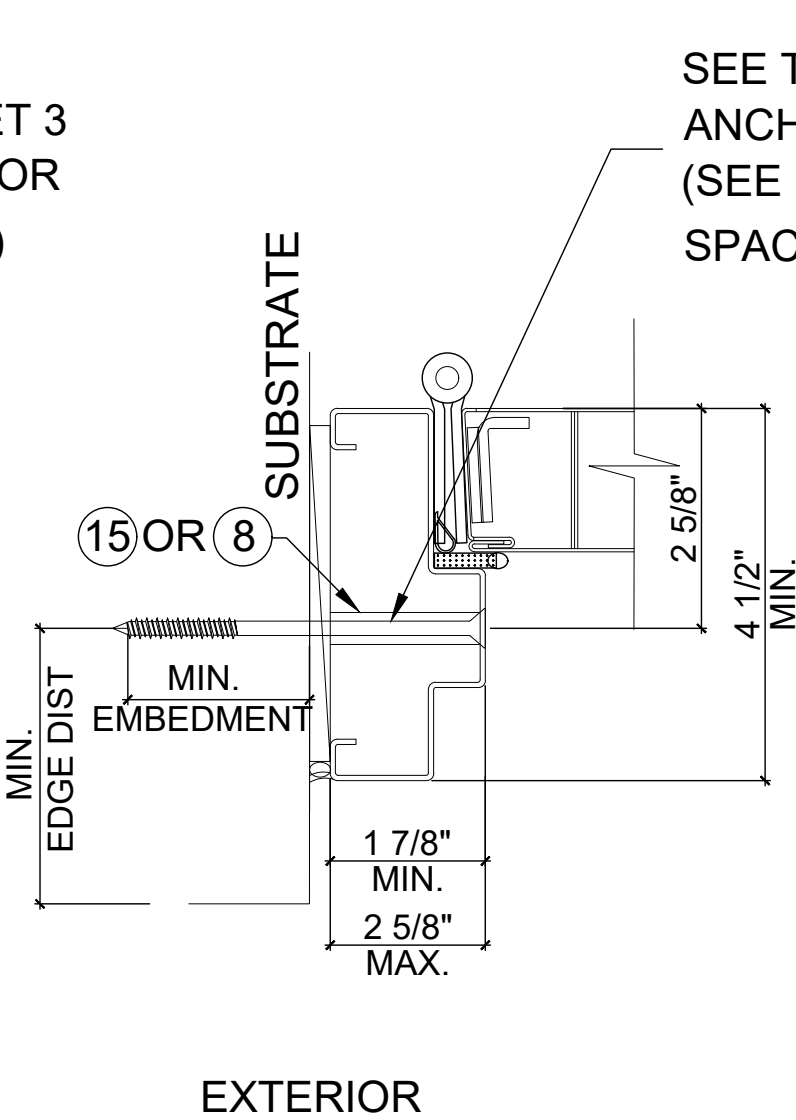
OPTIONAL EMBOSSED DOOR LEAF PATTERNS (MIN Fy = 47.3 KSI)



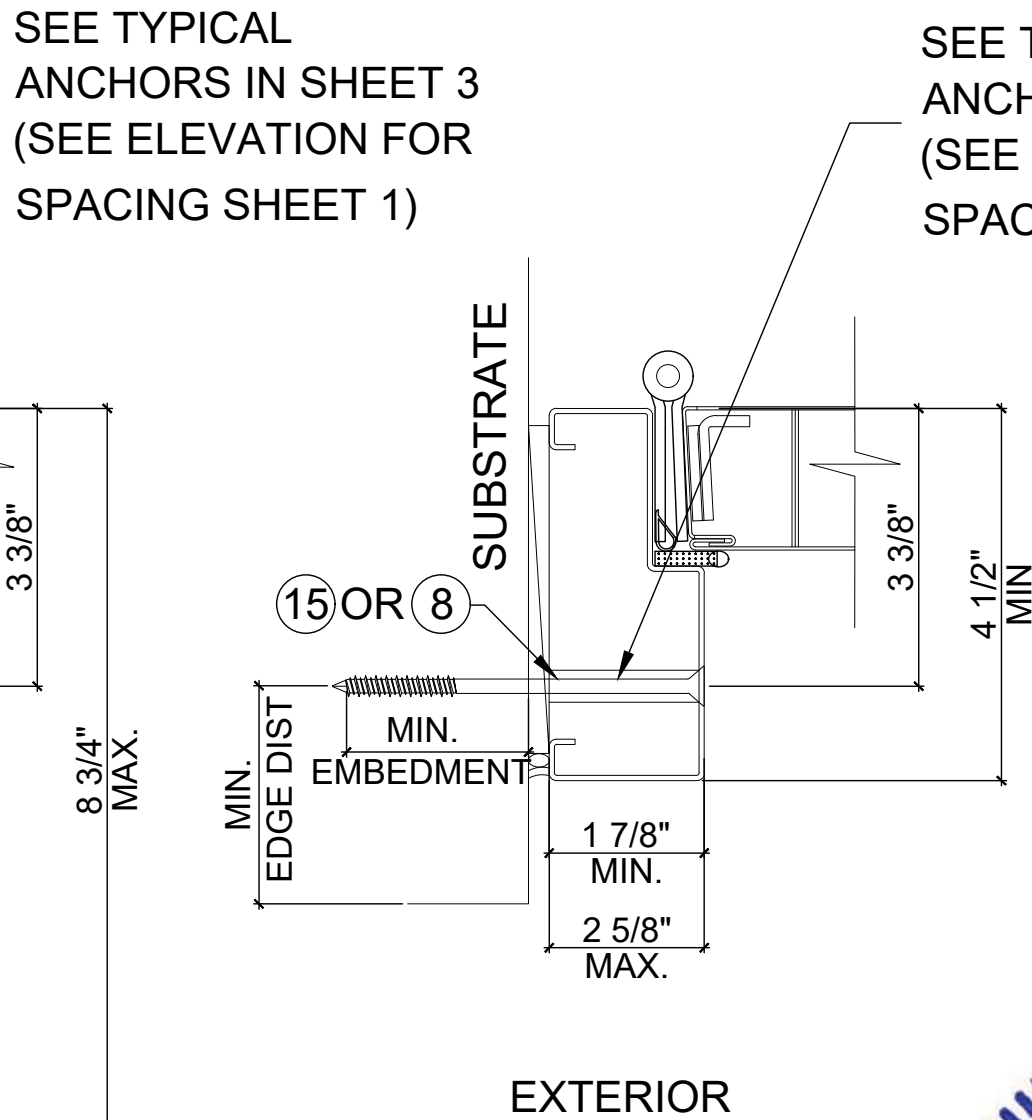
BOTTOM CORNER ANCHOR DETAIL
(OPTIONAL)



DOUBLE RABBET ANCHOR LOCATION

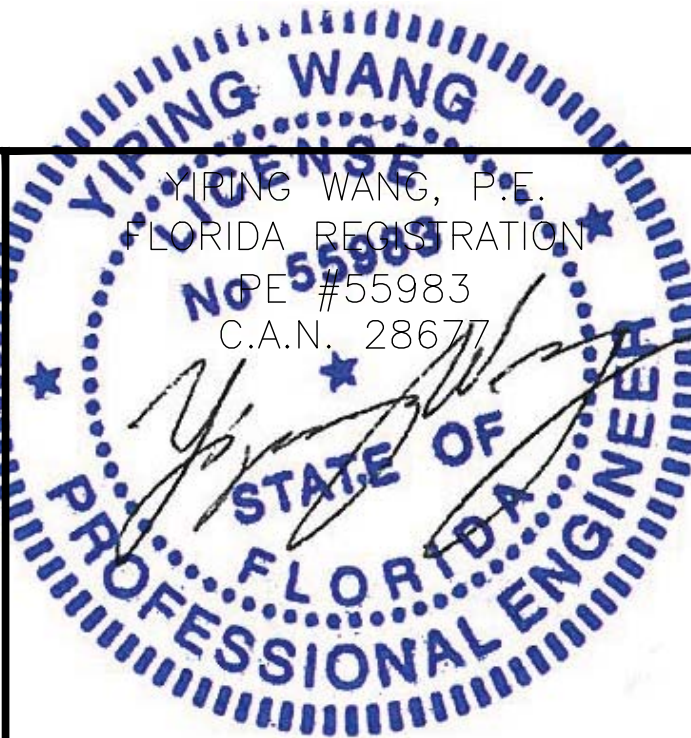


SINGLE RABBET ANCHOR LOCATION



EXTERIOR

MIAMI DADE COUNTY



December 24th, 2020

REVISIONS	
NO.	DESCRIPTION
1	2014 FBC UPDATE
2	2020 FBC UPDATE

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)

gensteeldoors

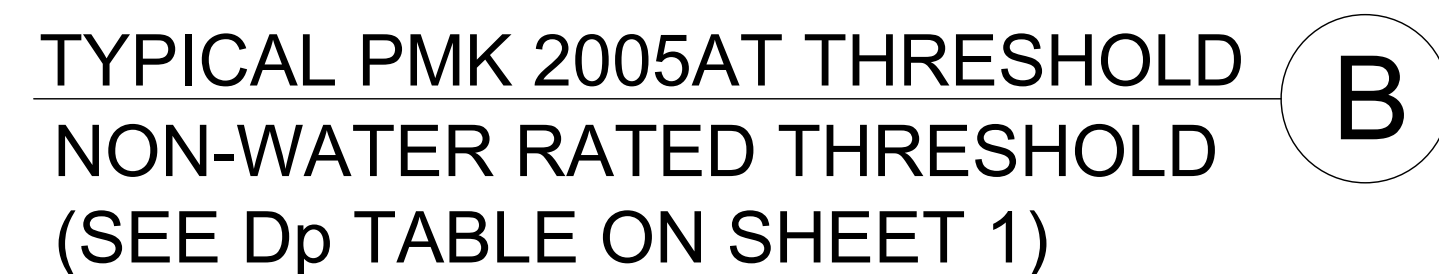
www.gensteeldoors.com

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

DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-04

SHEET 2 OF 8



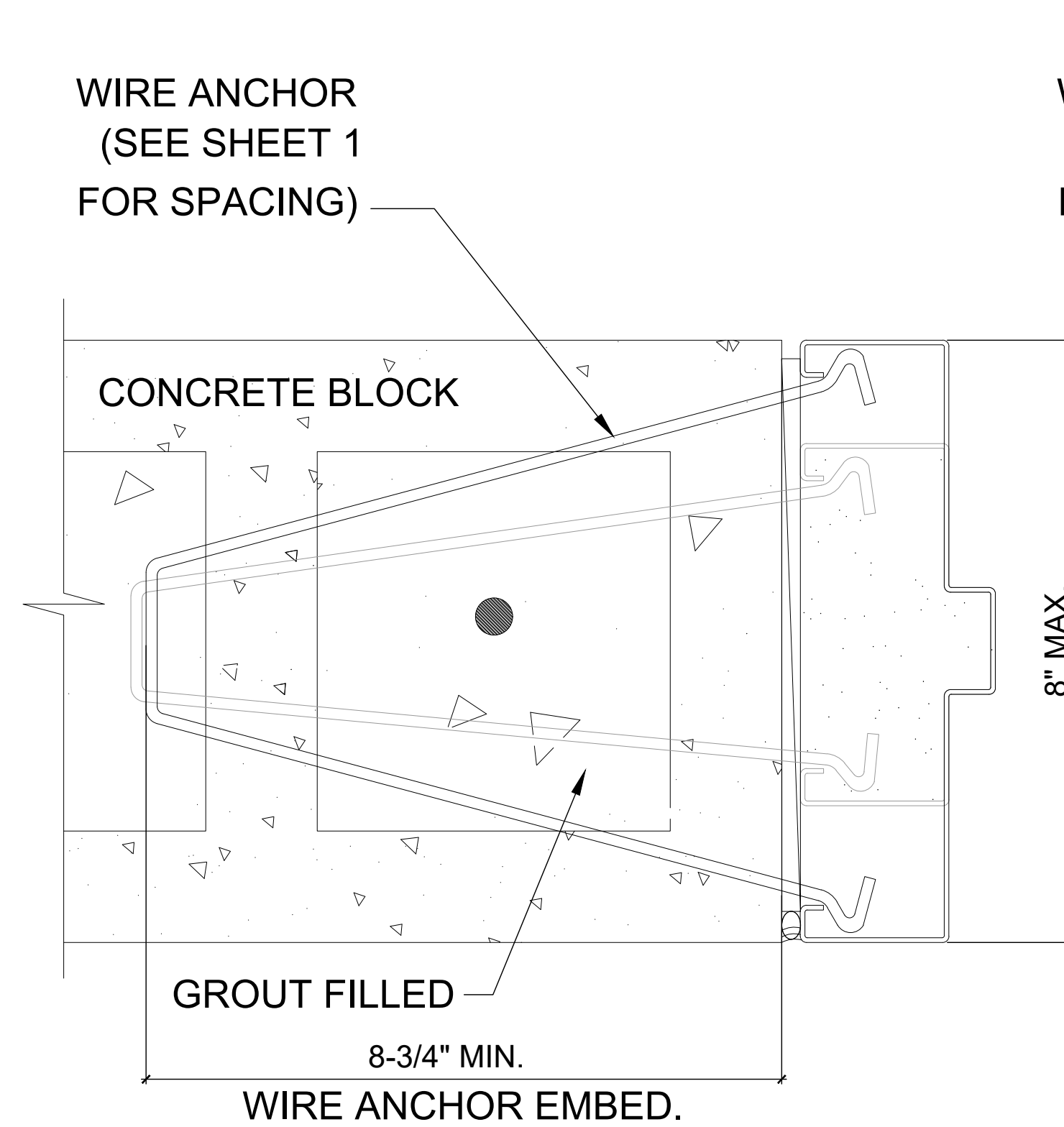
December 24th, 2020

SHEET 3 OF 8

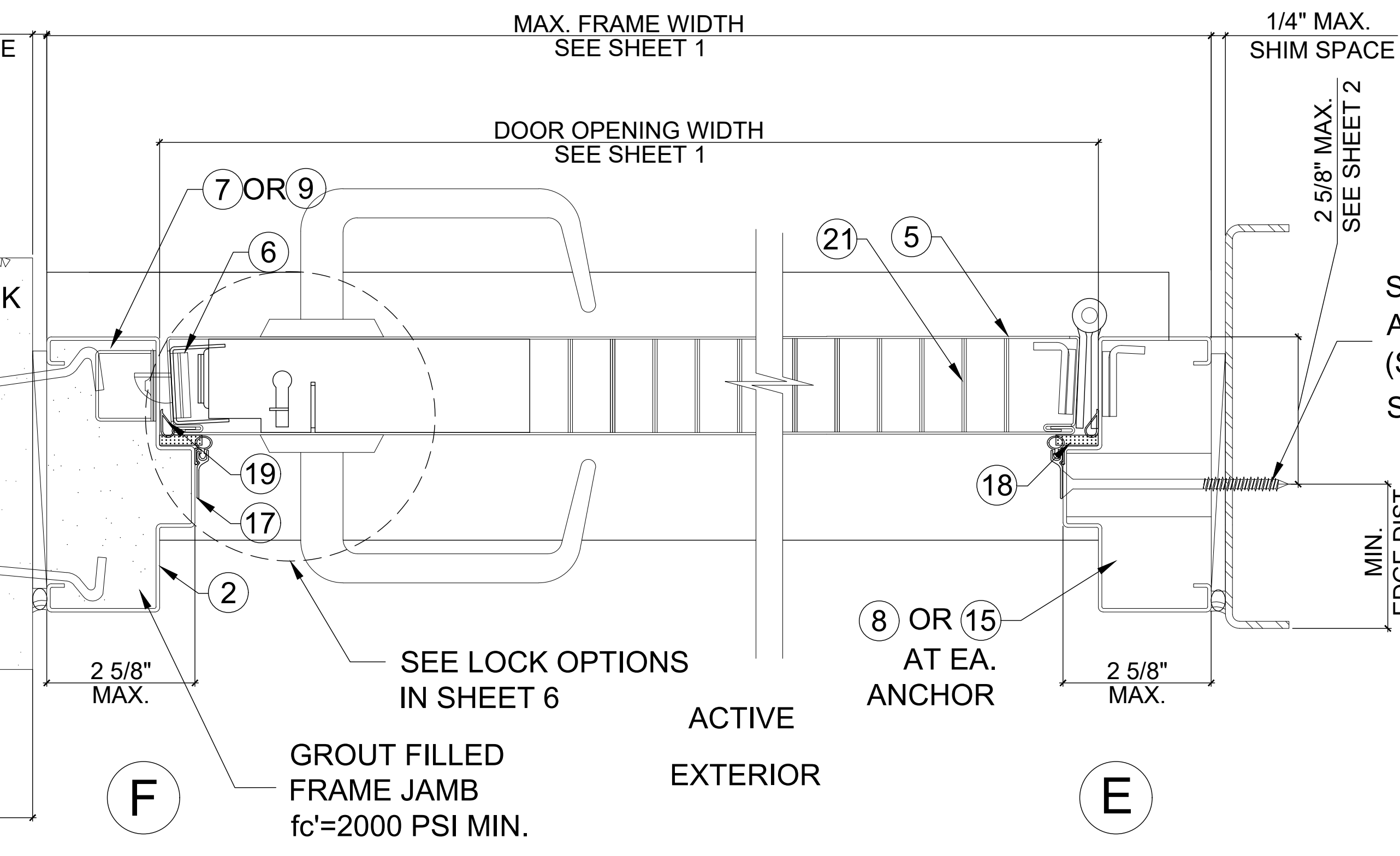
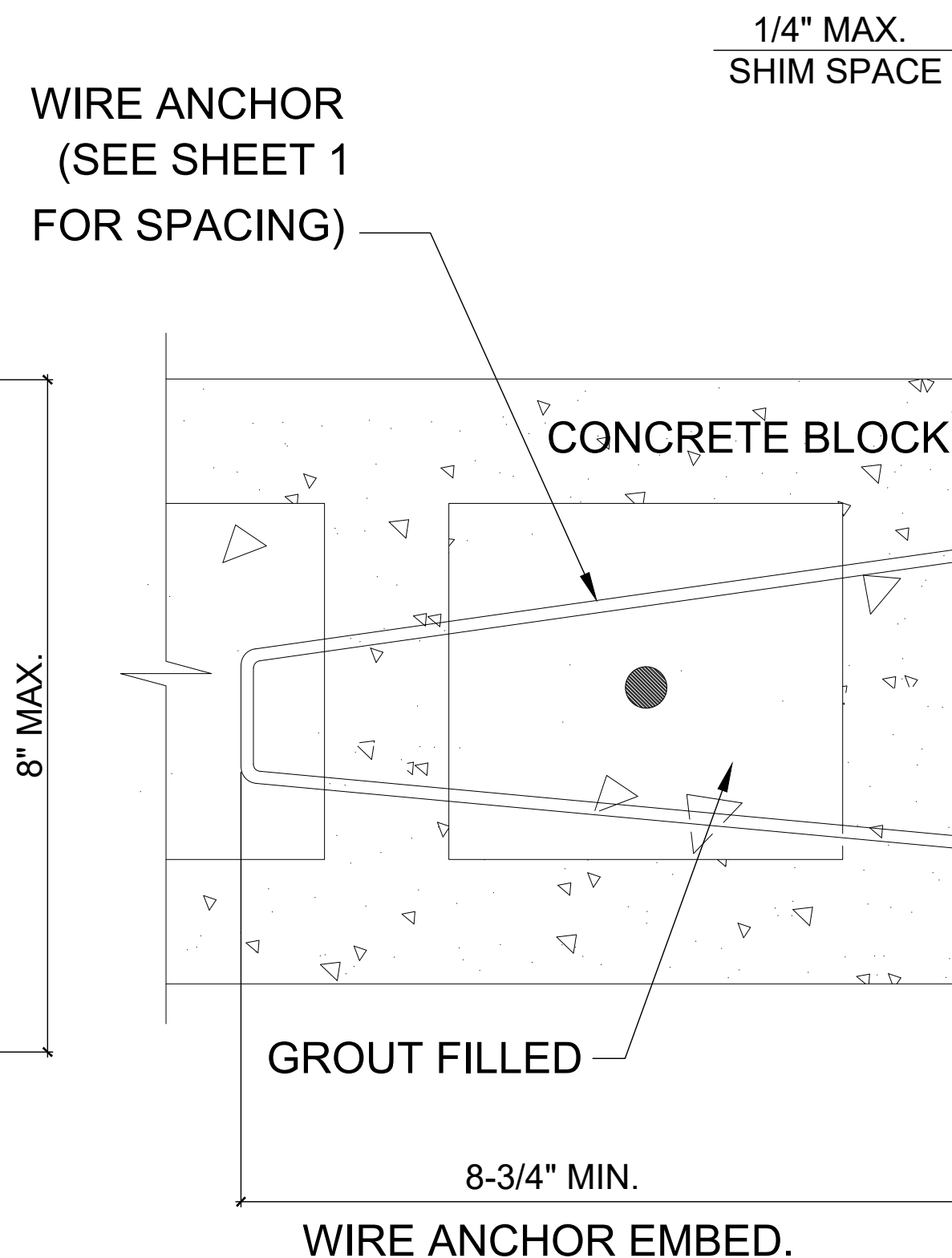
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.07

Expiration Date 02/23/2022

By Ishag I. Chank
Miami-Dade Product Control

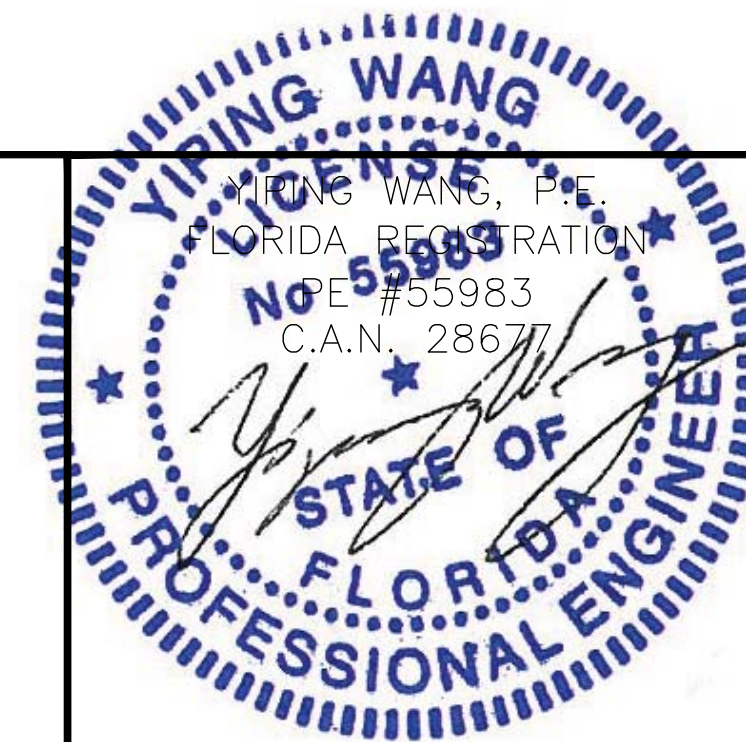


NOTE: JAMB MUST FULL
BEARING ON SUBSTRATE.



DOOR SECTION DETAILS
FOR DOUBLE RABBIT DOOR FRAMES

MIAMI DADE COUNTY



December 24th, 2020

NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE
2	11/24/20	2020 FBC UPDATE

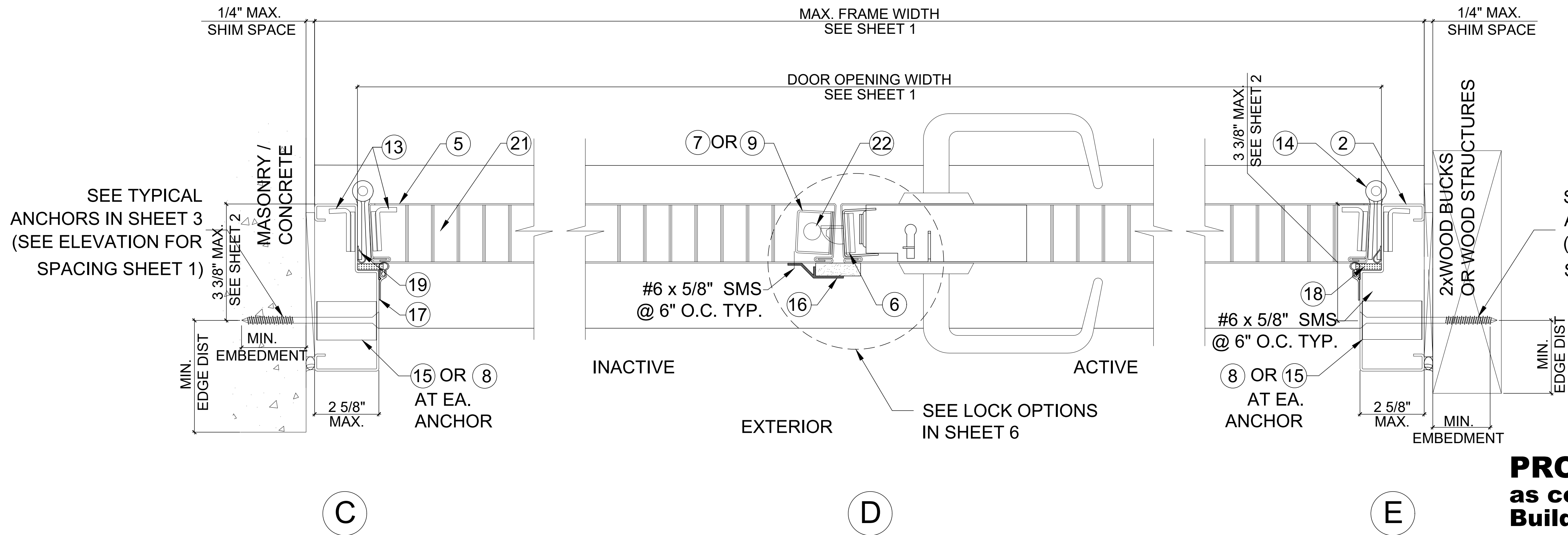
MCY ENGINEERING, INC.
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DATE	11/24/20
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PROJECT	11-007

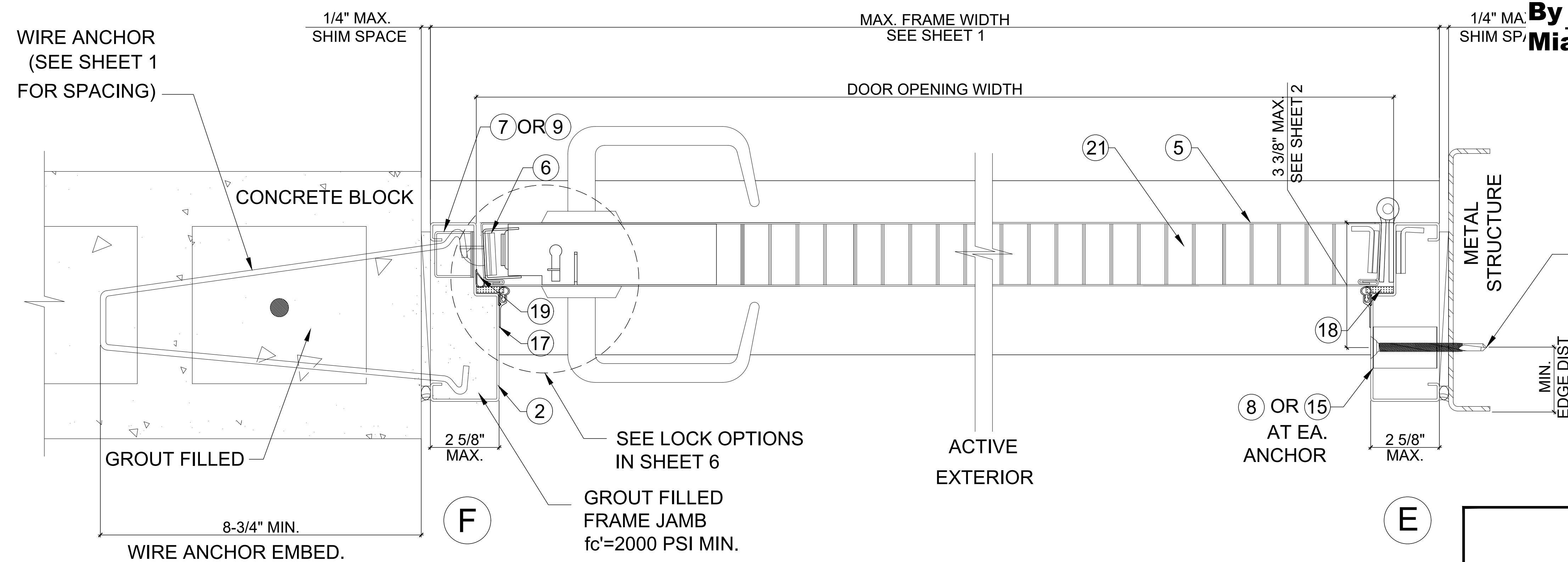
DRAWING NO.
AD11-04

SHEET 4 OF 8



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.07

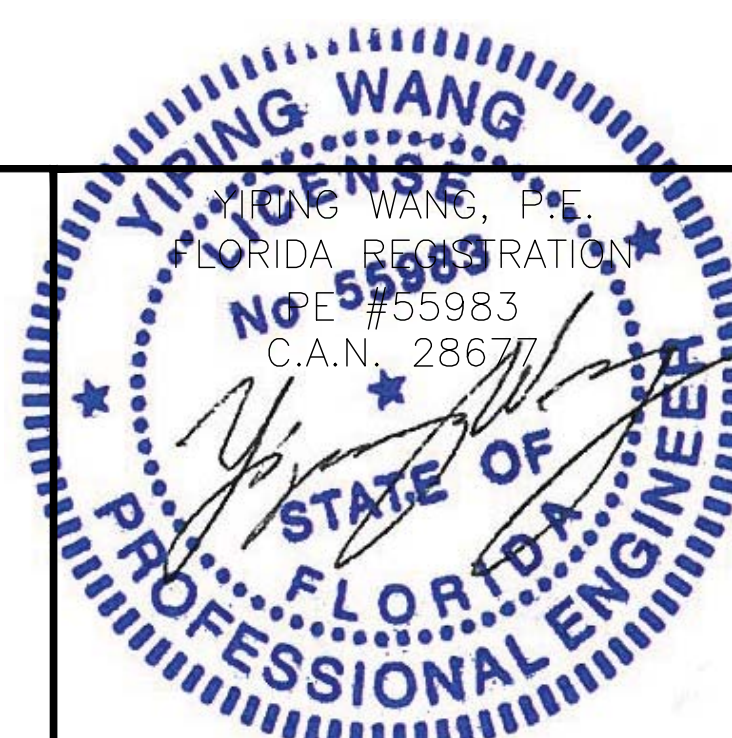
Expiration Date 02/23/2022



NOTE: JAMB MUST FULL BEARING ON SUBSTRATE.

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

By *Ishag I. Chank*
Miami-Dade Product Control



MIAMI DADE COUNTY

December 24th, 2020

NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE
2	11/24/20	2020 FBC UPDATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

GENSTORM OPAQUE INSWING STEEL DOOR (LMI)
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4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
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DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

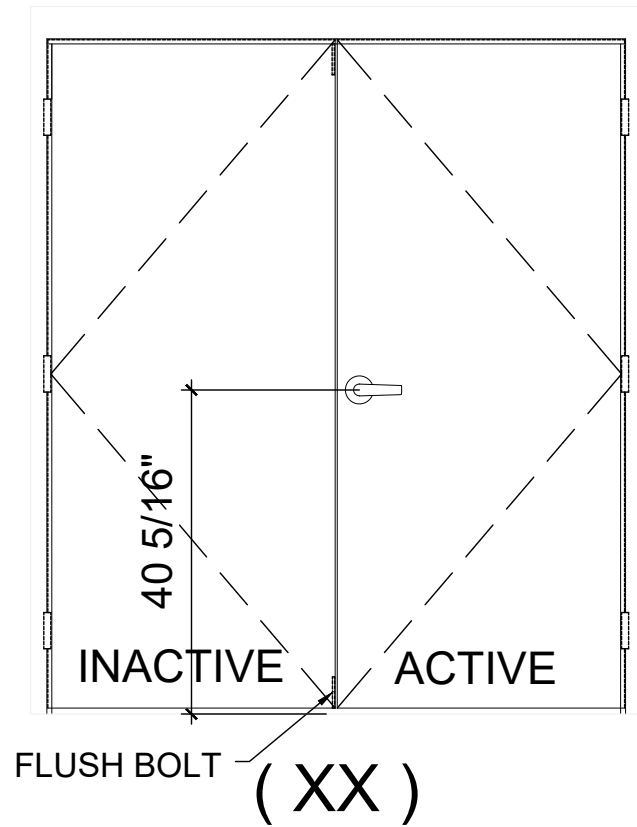
DRAWING NO.
AD11-04

SHEET 5 OF 8

LOCK OPTIONS

(EXTERIOR ELEVATIONS - INSWING DOORS)

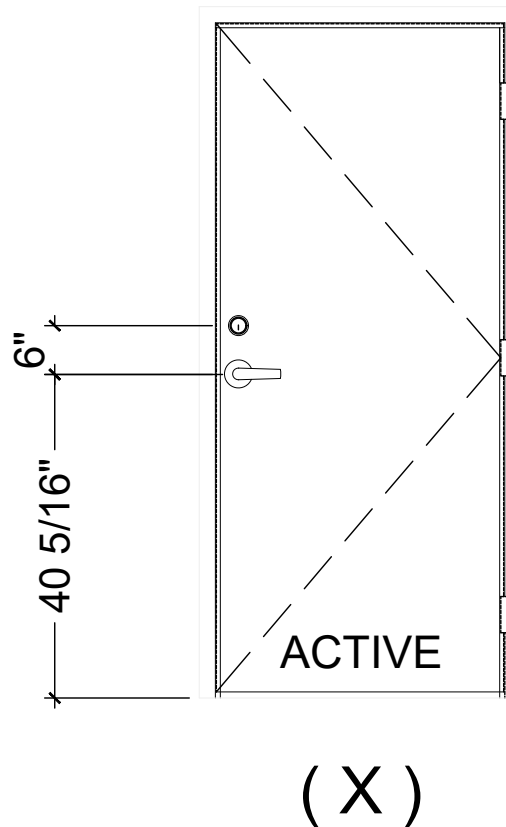
LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL
CAN APPLY TO SINGLE DOORS



OPTION 1

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

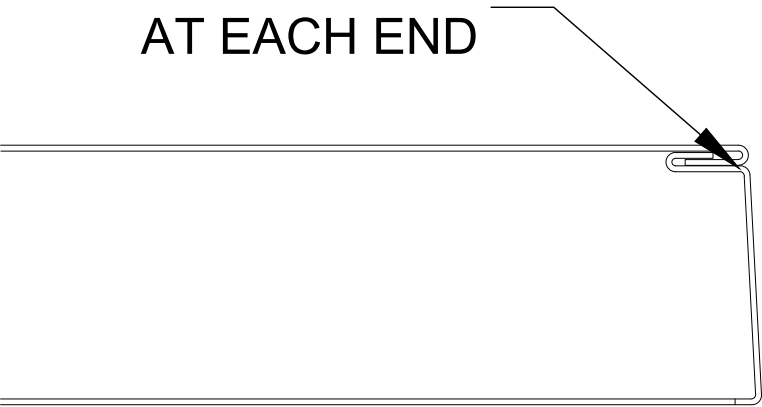
INACTIVE LEAF:
STRIKE FOR LOCKSET.
IVES FB 458 MANUAL FLUSH BOLT
(TOP & BOTTOM)



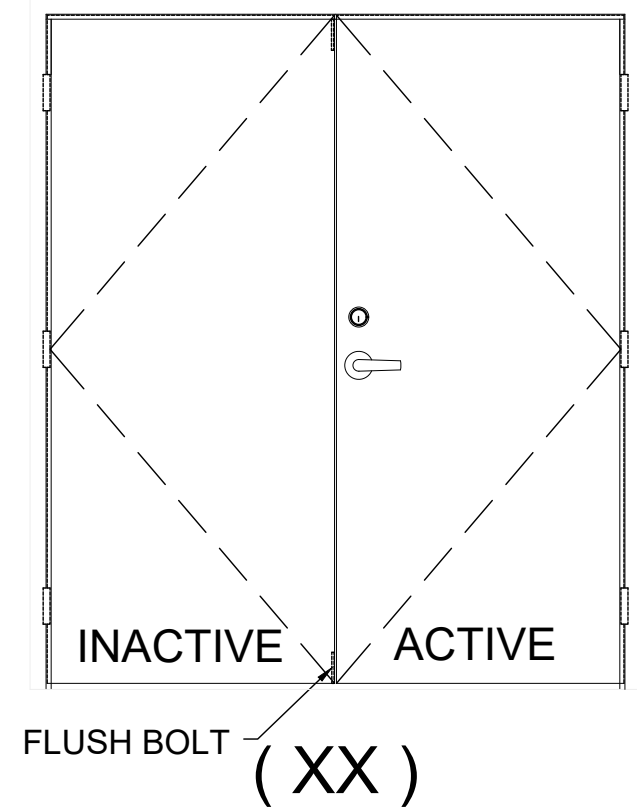
OPTION 4

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



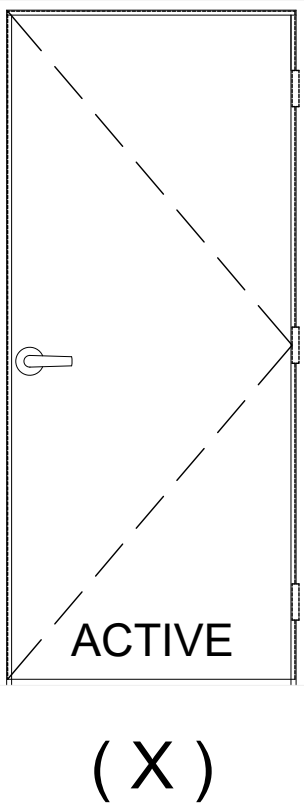
DOOR EDGE CONSTRUCTION



OPTION 2

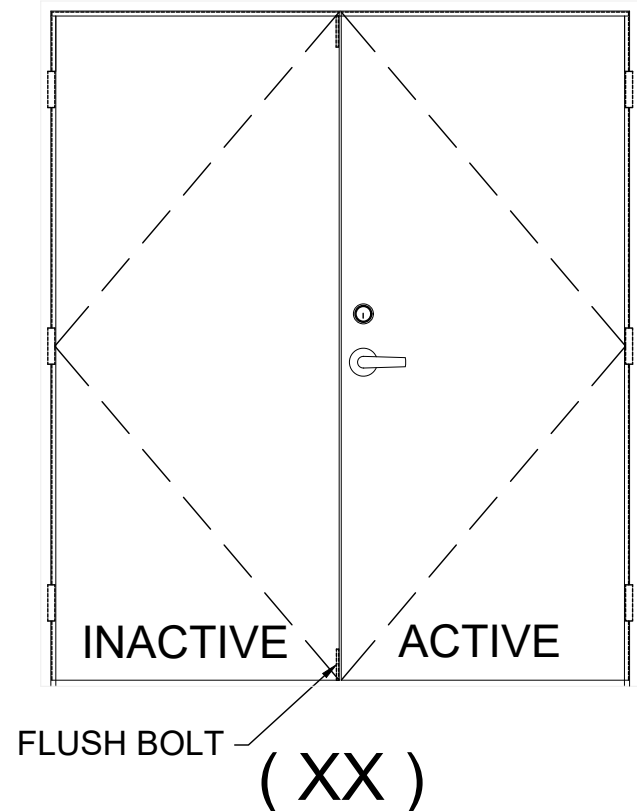
ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

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



OPTION 5

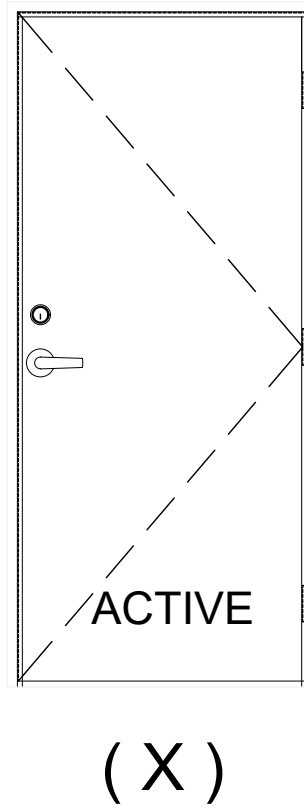
ACTIVE LEAF:
DOREX FHA SERIES LOCKSET,
40 5/16" FROM BOTTOM.



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.
STRIKES FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM



OPTION 6

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.07

Expiration Date 02/23/2022

By Ishag I. Chande
Miami-Dade Product Control

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.

MIAMI DADE COUNTY

December 24th, 2020



REVISIONS	NO.	DATE	DESCRIPTION
	1	12/16/16	2014 FBC UPDATE
	2	11/24/20	2020 FBC UPDATE

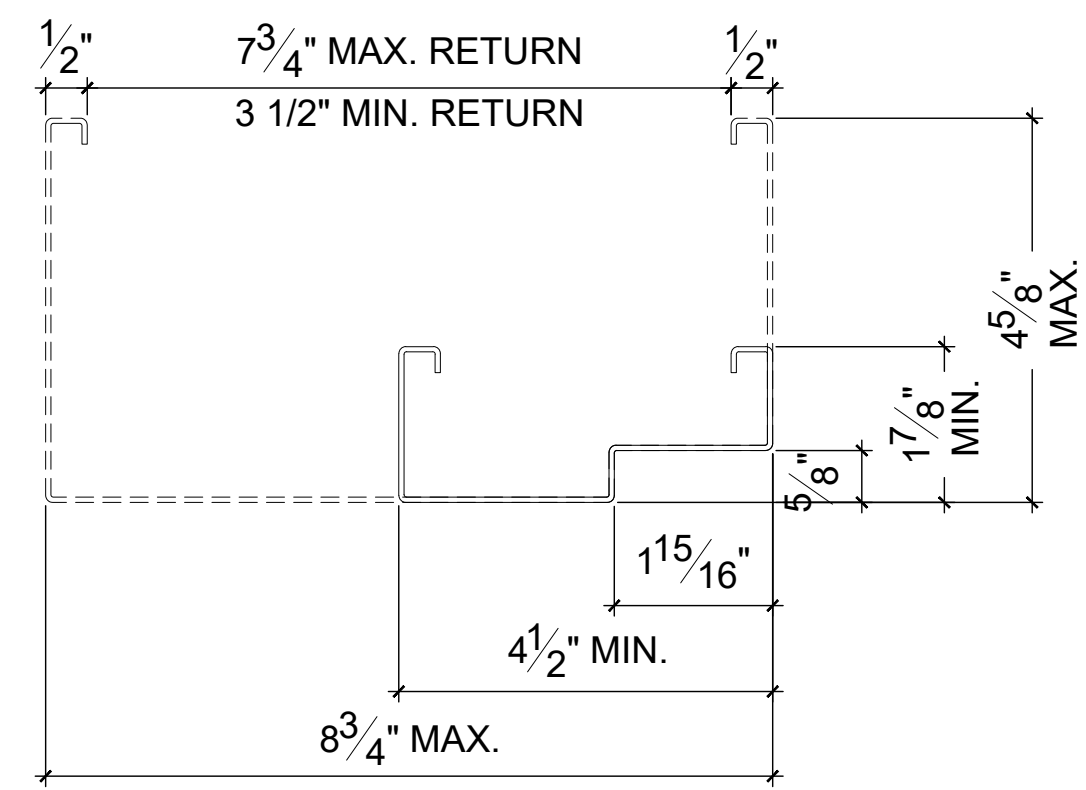
MCY ENGINEERING, INC. GLAZING CONSULTANTS	M C Y
12781 Miramar Parkway #301 P: (305)271-0117 Miramar, FL 33027	
www.MCYEngineering.com mcy@mcyengineering.com	

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	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-04

SHEET 6 OF 8



1 FRAME HEAD 18 GA (0.048") STEEL
(SINGLE RABBET)

