



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 glazed Steel Doors

APPROVAL DOCUMENT: Drawing No. **AD11-05 Rev 1**, titled "Genstorm Glazed Inswing Door - LMI", sheet 1 through 9 of 9, dated 11-24-20 and last revised on 02/28/2024, prepared, signed and sealed by Gordon D. Thomas, 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 PSF** (double), **+65 PSF** (Single) w/ PEMKO-177 AT threshold, where water infiltration requirement is needed.
2. Options **#1, 2 & #3** require a total of two (2) flush bolts (top/bottom) on in-active panel.
3. Glazing type G2 (glass type **B-3/8'** Lexan) see glazing option sheet 2, qualifies Max DLO = 16"x 16".

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 #22-0509.04** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 & E-5, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 23-1207.14
Expiration Date: February 23, 2027
Approval Date: March 14, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approval

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under file listed below)
2. Drawing No. **AD11-05**, titled "Genstorm Glazed 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 #11-0907.02)

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 Glazed/ 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 an 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.
2. Glazing complies w/ASTME-1300-02, 04 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (submitted under file #11-0907.02)

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.
3. Notice of Acceptance No. **16-0208.12** issued to Polymer Extrusion Technology, Inc dba Glasslam for "Glaslam Safety plus II glass interlayer", expiring on 08/07/18.
4. Notice of Acceptance No. **15-0915.08** issued to Sabic Innovative Plastic USA, LLC for "Lexan Polycarbonate sheet products", expiring on 07/17/18.

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 #11-0907.02**, 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. 23-1207.14
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **AD11-05**, titled “Genstorm Glazed 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. Notice of Acceptance No. **13-0909.10** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**”, expiring on 08/07/18.
2. Notice of Acceptance No. **16-1117.01** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for “**Trosifol**: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray **Butacite** PVB Interlayer”), expiring on 07/08/19.

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 # **17-0130.01**, expiring 02/23/22.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.14
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **AD11-05**, titled “Genstorm Glazed 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. Notice of Acceptance No. **18-0619.01** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**”, expiring on 08/07/23.
2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.

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 #18-0116.19**, expiring 02/23/22.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.14
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **AD11-05**, titled “Genstorm Glazed Inswing Door - LMI”, sheet 1 through 9 of 9, dated 11-24-20 and last revised on 02-24-2022, prepared, signed and sealed by Gordon D. Thomas, 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. Notice of Acceptance No. **18-0619.01** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**”, expiring on 08/07/23.
2. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**” dated 05/09/19, expiring on 07/08/24.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), dated 02/24/22, prepared, signed and sealed by Gordon D. Thomas, P.E.
2. Successor Engineer statement dated 05/31/2022, adopting his own another Engineers work per FLA rule 61G15.27.001, signed and sealed by Gordon D. Thomas, P.E.
3. 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 (submitted under previous NOA(s))

G. OTHER

1. This NOA **renews NOA #20-1230.06**, expiring 02/23/27.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.14
Expiration Date: February 23, 2027
Approval Date: March 14, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. New Evidence submitted

A. DRAWINGS

1. Drawing No. **AD11-05 Rev 1**, titled “Genstorm Glazed Inswing Door - LMI”, sheet 1 through 9 of 9, dated 11-24-20 and last revised on 02/28/24, prepared, signed and sealed by Gordon D. Thomas, P.E.

Note: This is revision is FBC 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. Notice of Acceptance No. **23-0523.01** issued to Polymer Extrusion Technology, Inc. dba Glasslam for their “**Glasslam Safety-Plus II Glass Interlayer**”, expiring on 08/07/28.
2. Notice of Acceptance No. **24-0117.13** issued to Sabic Innovation Plastic US, LLC for their “**Lexan Polycarbonate sheet Products**”, expiring on 04/01/28.

F. STATEMENTS

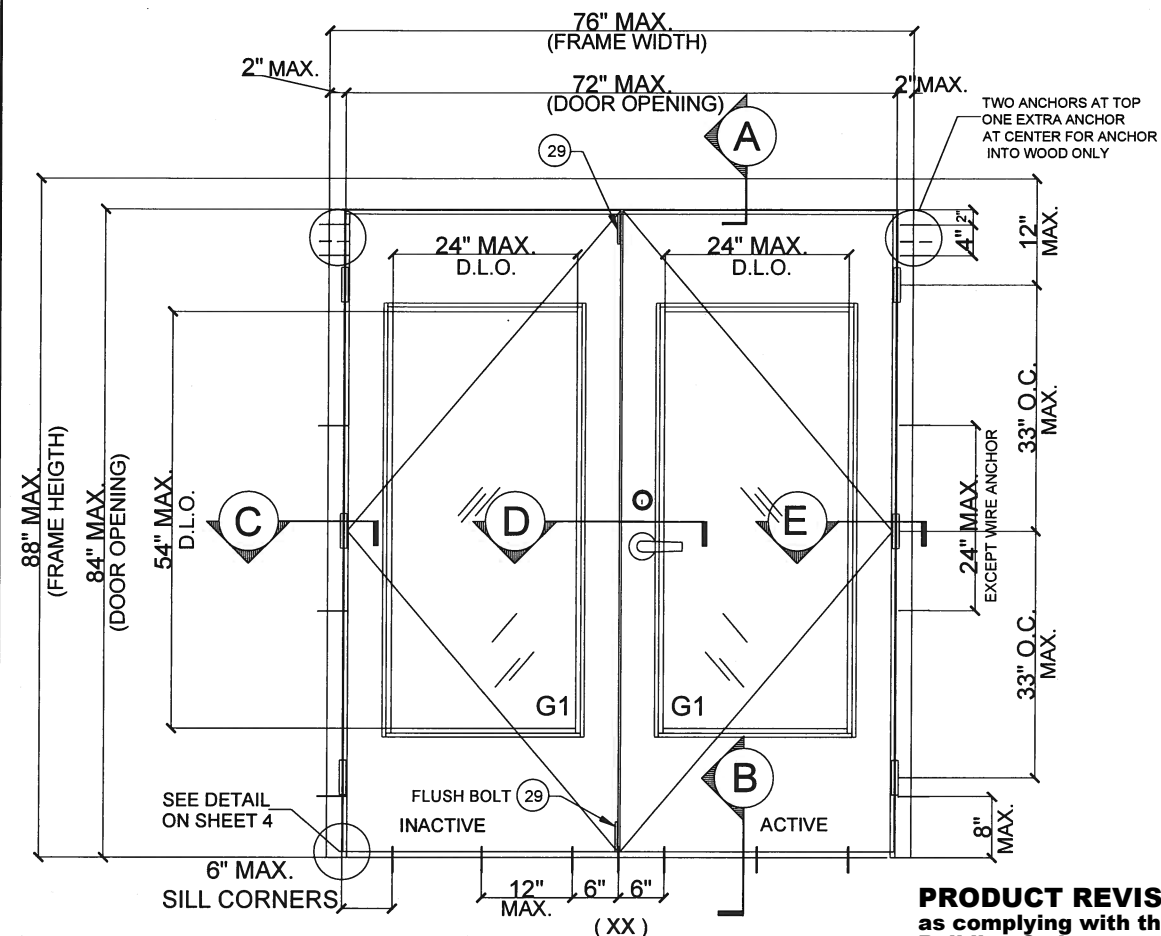
1. Statement letter of conformance to FBC 2023(8th Edition) dated 1/28/24, prepared, signed and sealed by Gordon D. Thomas, P.E.
2. Statement letter of “No financial interest to the testing Lab” dated 12/14/23, prepared, signed and sealed by Gordon D. Thomas, P.E.
3. Statement letter, no changes other than title block, prepared, signed and sealed by Gordon D. Thomas, P.E.
4. Successor Engineer statement dated 05/31/2022, adopting his own another Engineers work per FLA rule 61G15.27.001, signed and sealed by Gordon D. Thomas, P.E. (submitted under previous NOA(s))
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 (submitted under previous NOA(s))

G. OTHER

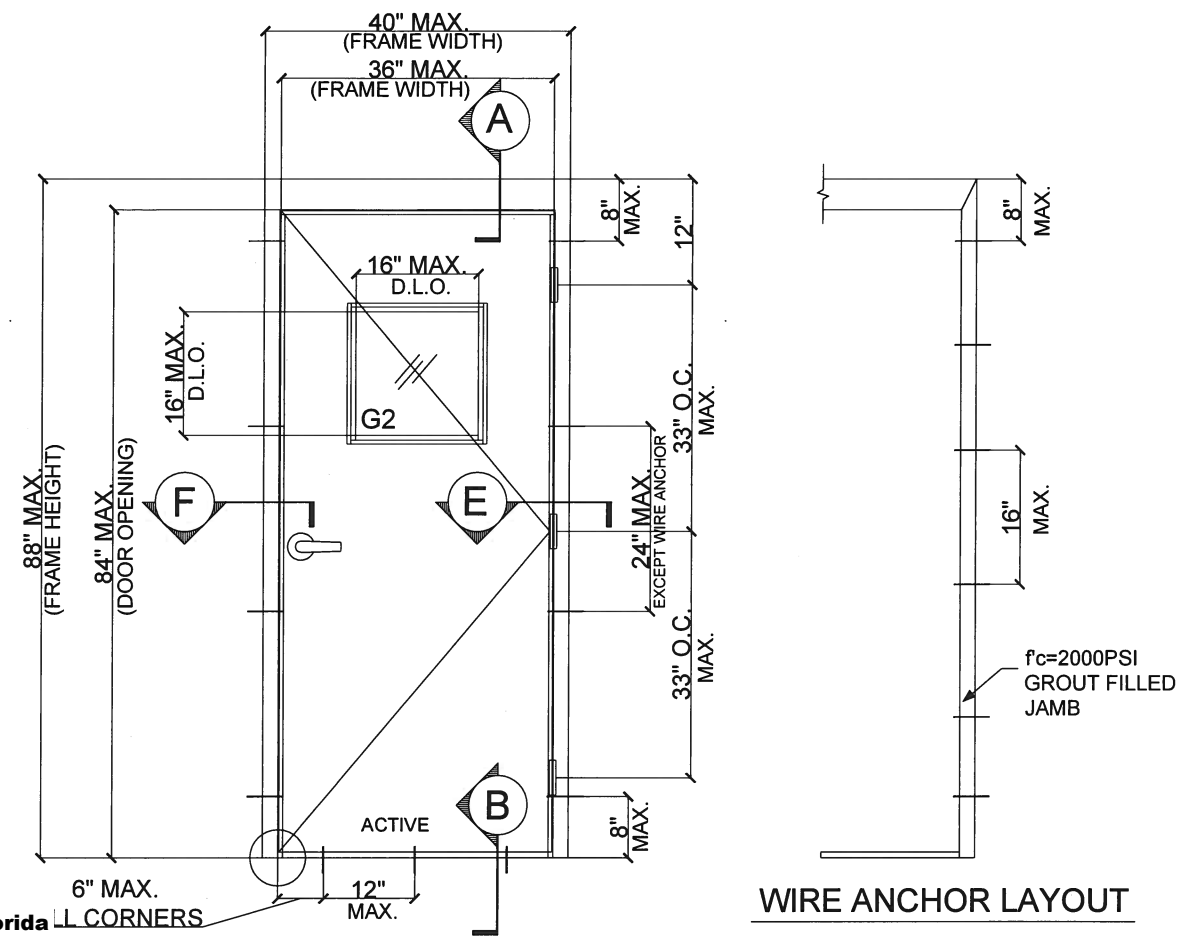
1. This NOA revises **NOA #22-0509.04**, updates to FBC 2023, expiring 02/23/27.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1207.14
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. 23-1207.14

Expiration Date 02/23/2027

By Ishag I. Chandra
Miami-Dade Product Control

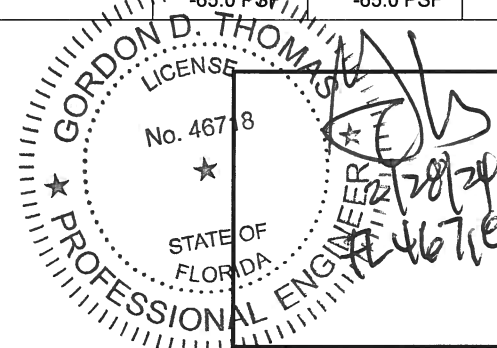
SERIES GENSTORM GLAZED INSWING STEEL DOOR (LMI)

- 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-CERTIFICATION" 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.

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
	-65.0 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



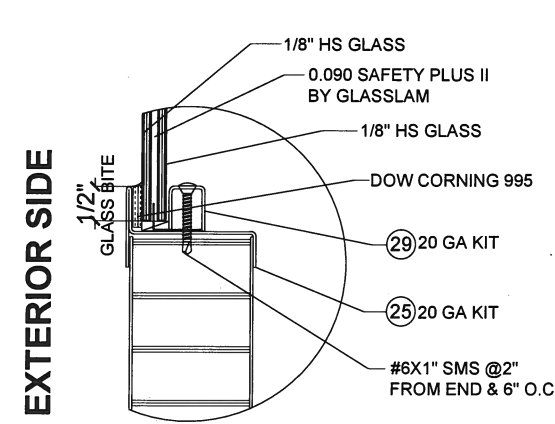
REVISIONS	
NO.	DESCRIPTION
1	10/17/2023 UPDATED TO 2023 FBC

GENSTEEL DOORS
4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.1932
Fax: 514.733.3562
www.gensteeldoors.com

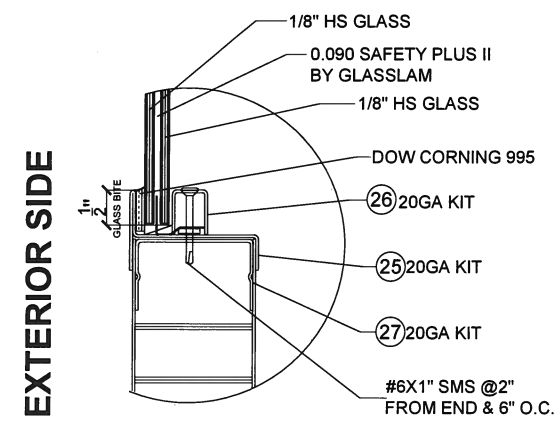
DATE	10/17/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.
AD 11-05

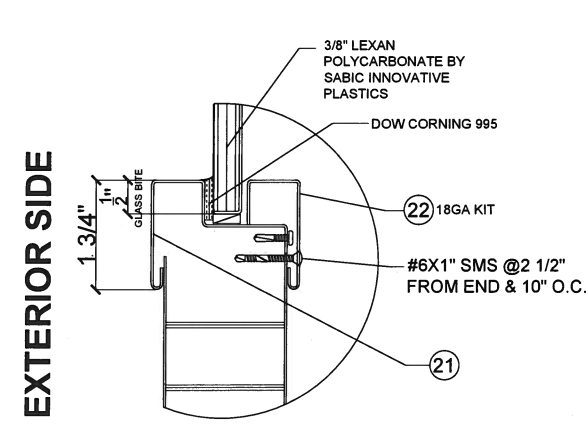
SHEET 1 OF 9



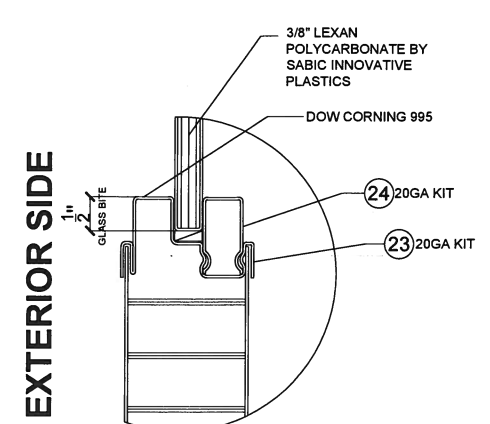
G1: GLASS TYPE "A"
WITH LITE KIT #3



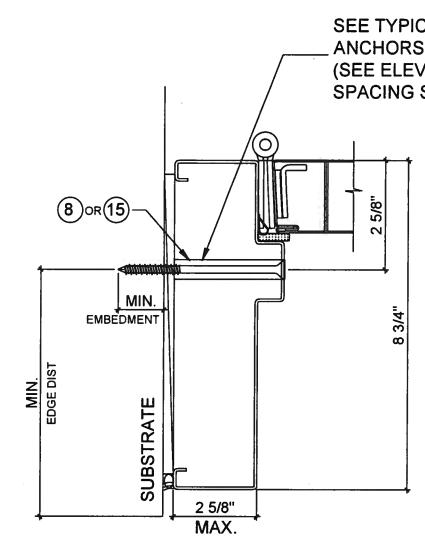
G1: GLASS TYPE "A"
WITH LITE KIT #4



G2: GLASS TYPE "B"
WITH LITE KIT #1

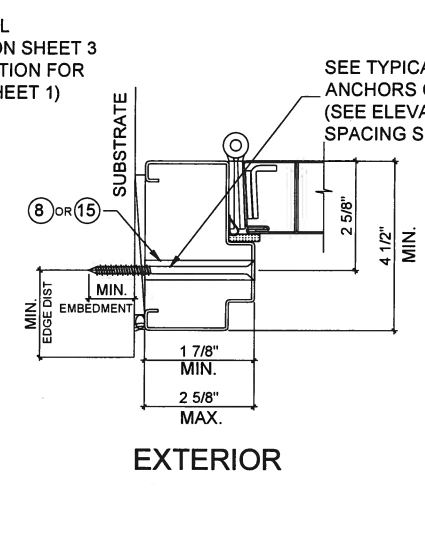


G2: GLASS TYPE "B"
WITH LITE KIT #2

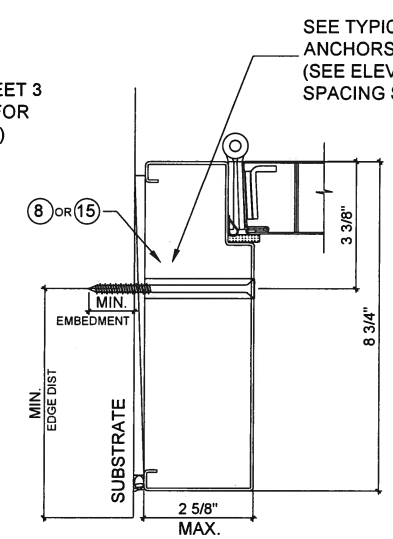


EXTERIOR

DOUBLE RABBET ANCHOR LOCATION

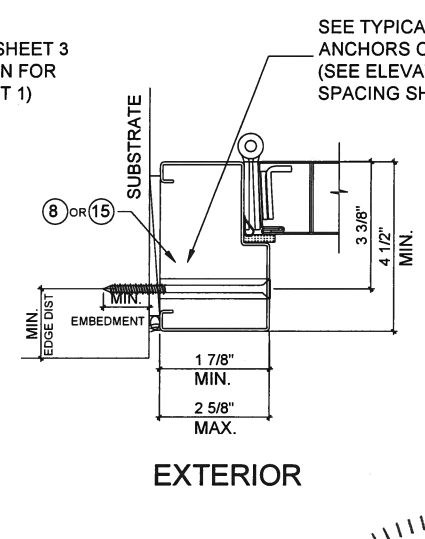


EXTERIOR



EXTERIOR

SINGLE RABBET ANCHOR LOCATION



EXTERIOR

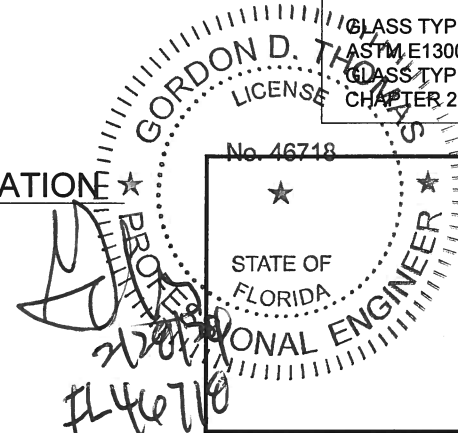
NOTES:

G1: GLASS TYPE "A"
(5/16" HS LAMINATED GLASS)
MAX. GLASS D.L.O SIZE 24"X54"

G2: GLASS TYPE "B" (3/8" LEXAN)
MAX. GLASS D.L.O SIZE 16"X16"

GLASS TYPE "A" OR "B"
(MAX 16"X16" D.L.O.)
CAN USE ANY OF LITE KIT OPTIONS
LITE KIT OPTION #1 THRU #4

GLASS TYPE "A" COMPLY WITH
ASTM E1300-09 (3 SEC. GUSTS)
GLASS TYPE "B" COMPLY WITH
CHAPTER 26 OF FBC



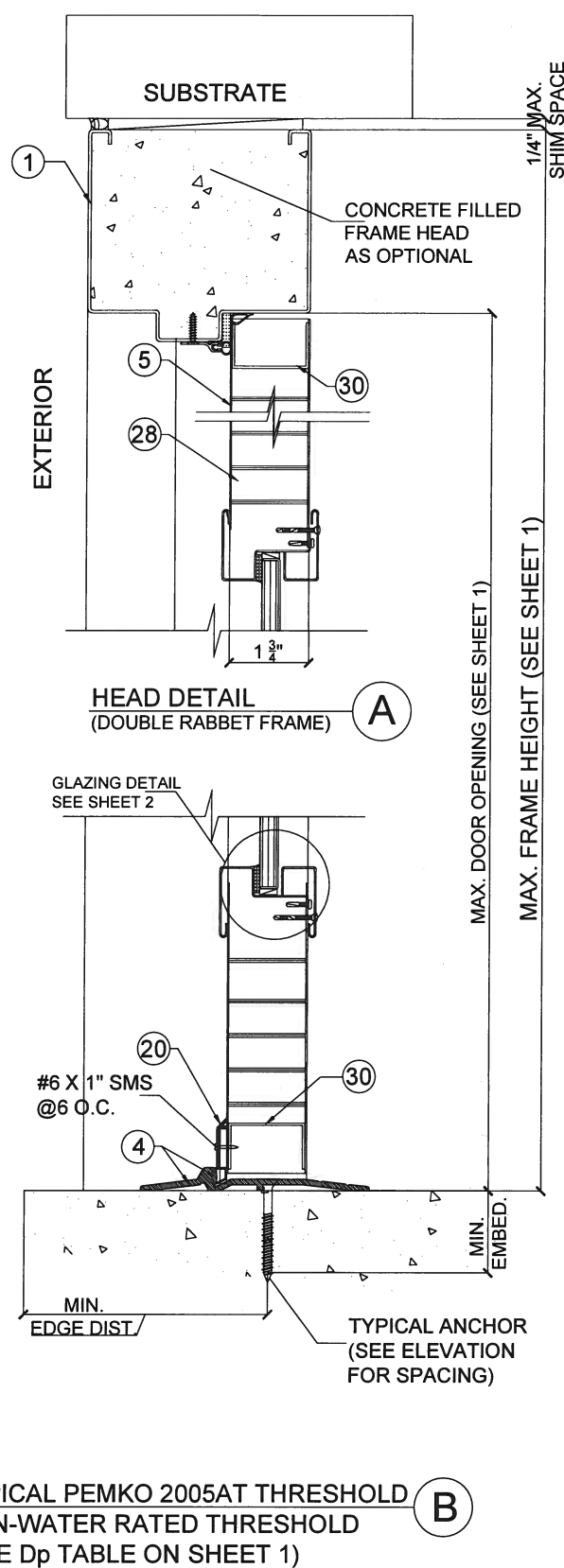
NO.	DATE	DESCRIPTION
1	10/17/2023	UPDATED TO 2023 FBC

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

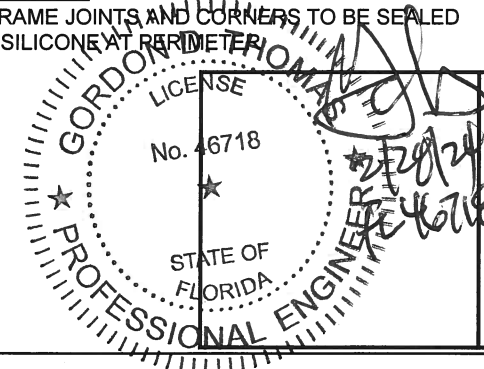
gensteeldoors

4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.3562 Fax: 514.733.1932
www.gensteeldoors.com

DATE	10/17/2023
SCALE	NTS.
DRAWN	
PROJECT	
DRAWING NO.	AD 11-05
SHEET	2 OF 9



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



REVISIONS		
NO.	DATE	DESCRIPTION
1	10/17/2023	UPDATED TO 2023 FBC

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

gensteeldoors

4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Fax: 514.733.1932
Tel: 514.733.3562

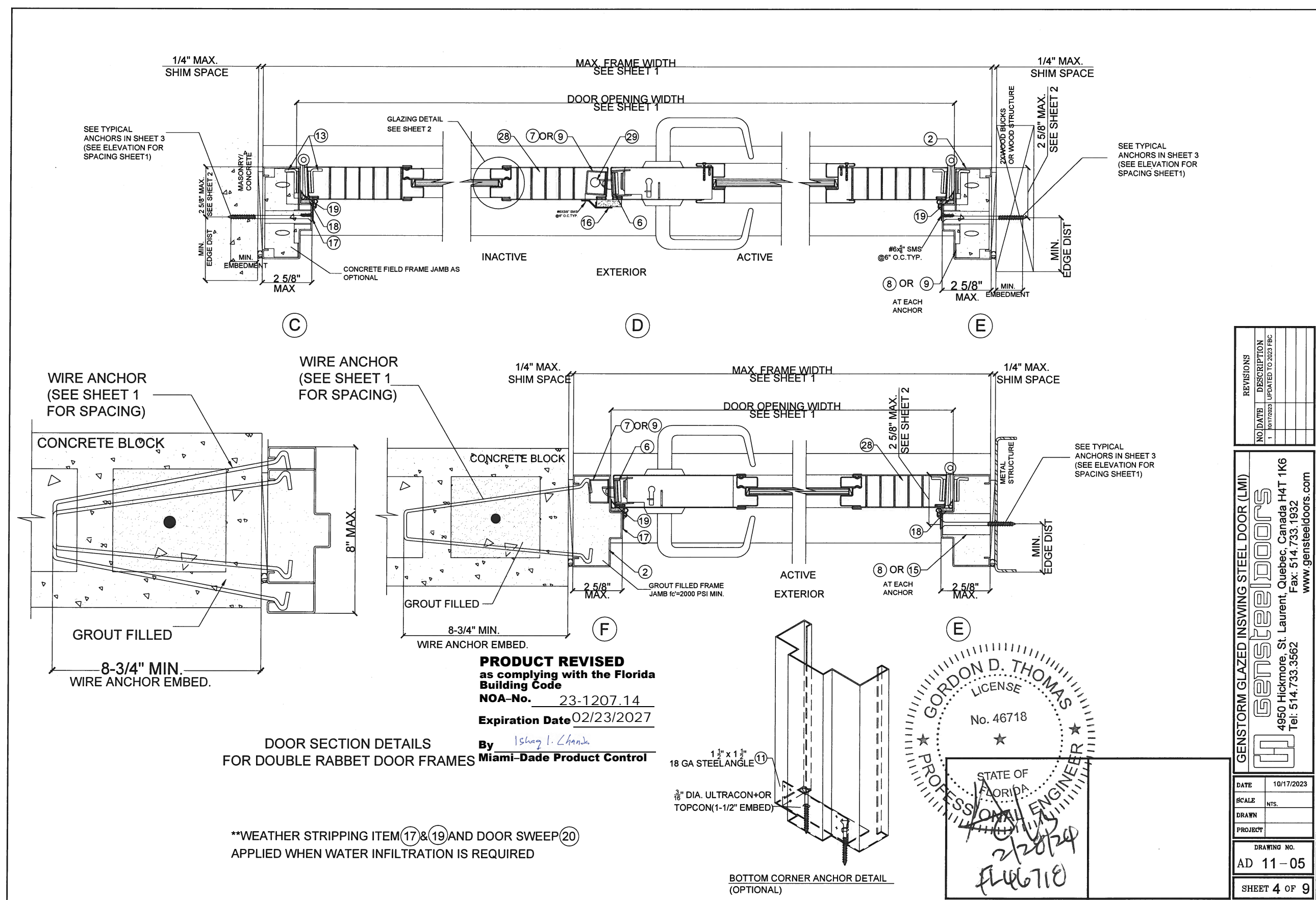
www.gensteeldoors.com

DATE	10/17/2023
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DRAWING NO.

AD 11-05

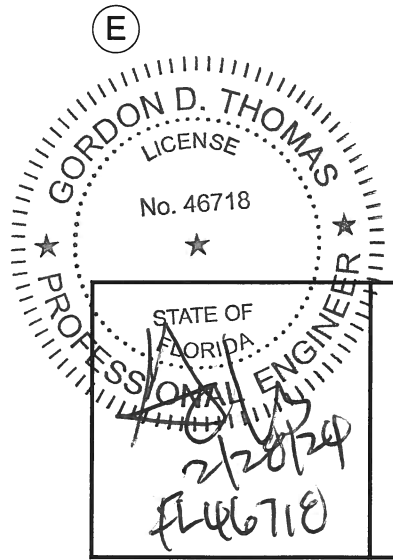
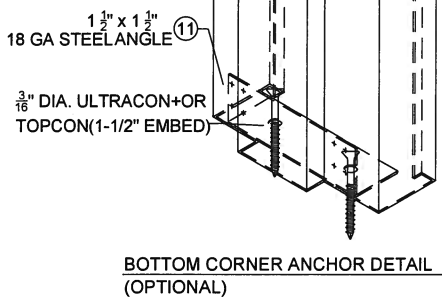
SHEET 3 OF 9



DOOR SECTION DETAILS
FOR DOUBLE RABBIT DOOR FRAMES

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.14
Expiration Date 02/23/2027
By *Ishag I. Chanik*
Miami-Dade Product Control

**WEATHER STRIPPING ITEM (17) & (19) AND DOOR SWEEP (20)
APPLIED WHEN WATER INFILTRATION IS REQUIRED



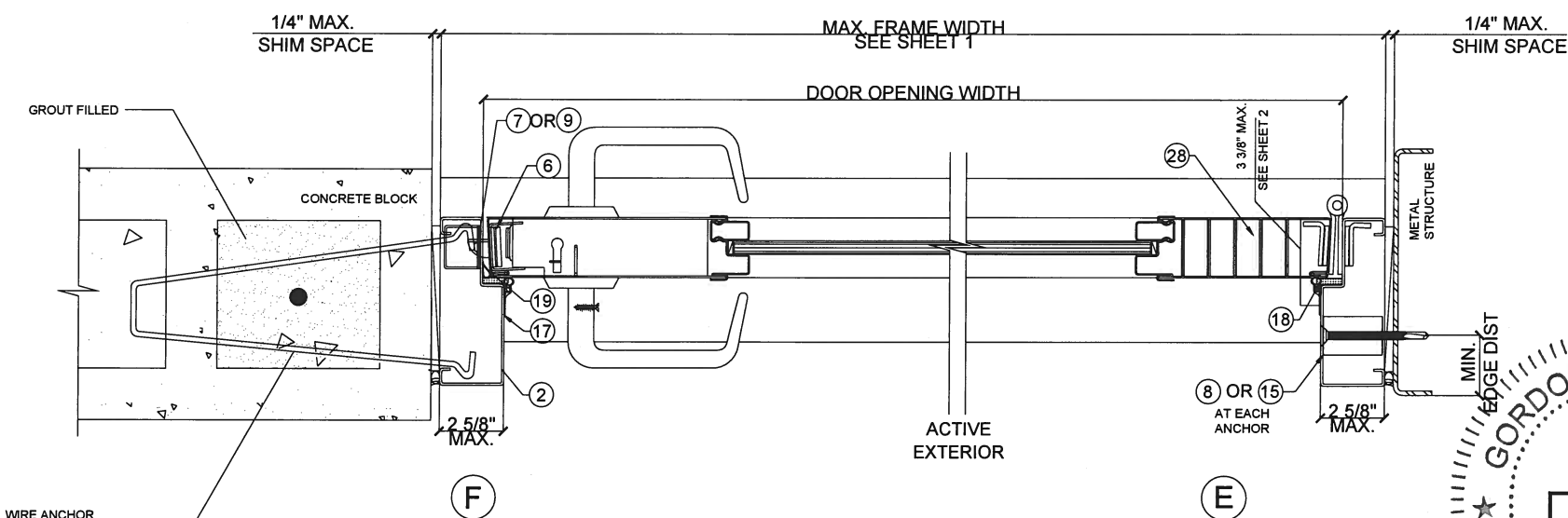
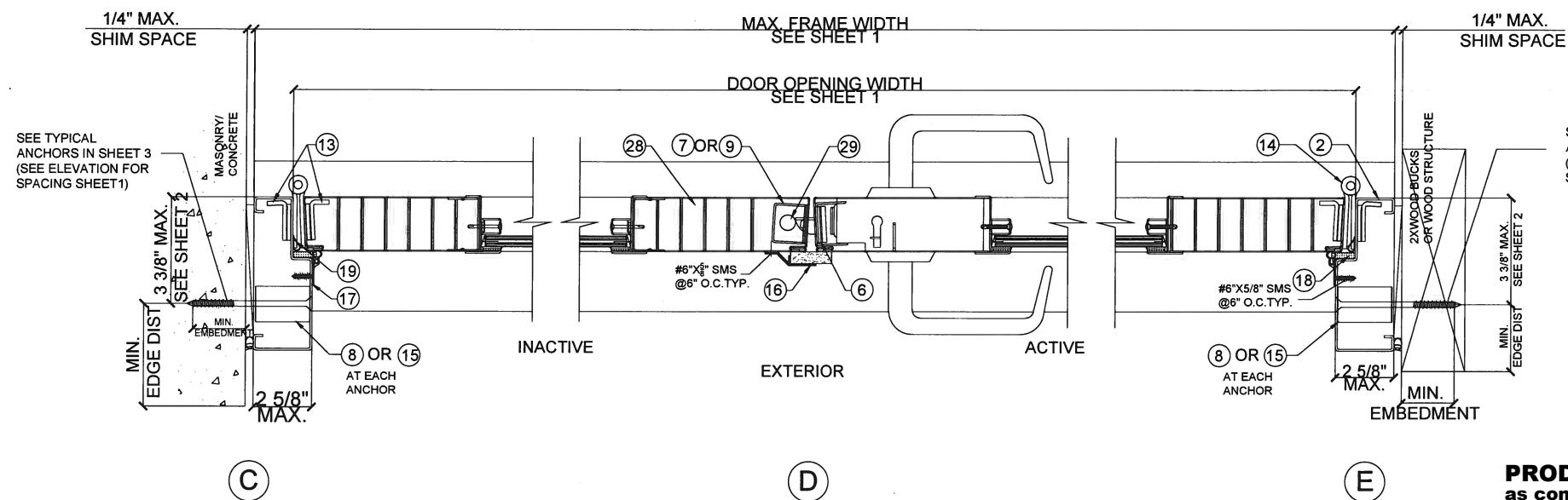
REVISIONS	
NO.	DATE / DESCRIPTION
1	10/17/2023 / UPDATED TO 2023 FBC

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

DATE	10/17/2023
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PROJECT	

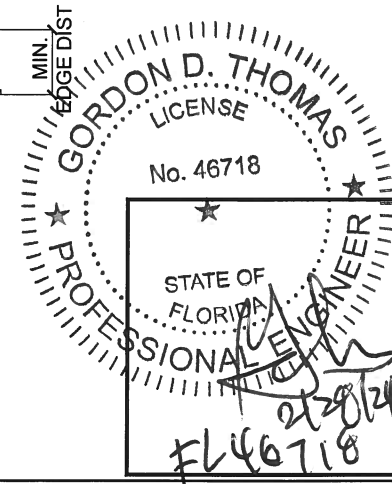
DRAWING NO.
AD 11-05

SHEET 4 OF 9



**DOOR SECTION DETAILS
FOR SINGLE RABBIT DOOR FRAMES**

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.14
Expiration Date 02/23/2027
By Ishag I. Chande
Miami-Dade Product Control



REVISIONS	
NO.	DESCRIPTION
1	10/17/2023 UPDATED TO 2023 FBC

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gensteeldoors
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DATE	10/17/2023
SCALE	NTS.
DRAWN	
PROJECT	

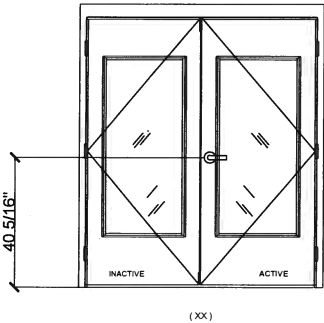
DRAWING NO.
AD 11-05

SHEET 5 OF 9

LOCK OPTIONS

(EXTERIOR ELEVATIONS-INSWING DOORS)

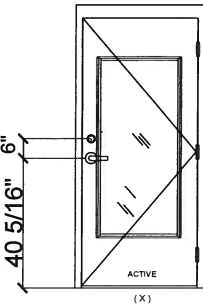
LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL
CAN APPLY TO SINGLE DOORS



OPTION 1

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

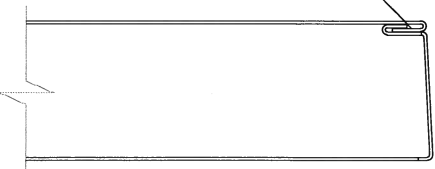
INACTIVE LEAF:
STRIKE FOR LOCKSET.
IVES FB 458 MANUAL FLUSH BOLT
(TOP & BOTTOM)



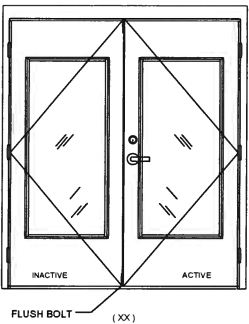
OPTION 4

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



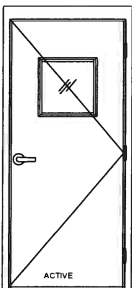
DOOR EDGE CONSTRUCTION



OPTION 2

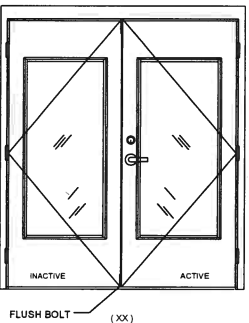
ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

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



OPTION 5

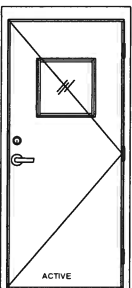
ACTIVE LEAF:
DOREX FHA SERIES LOCKSET,
40 5/16" FROM BOTTOM.



OPTION 3

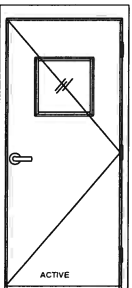
ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 5/16" FROM BOTTOM.

INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKE 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 1/4" FROM BOTTOM.



OPTION 7

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

PRODUCT REVISED
as complying with the Florida
Building Code

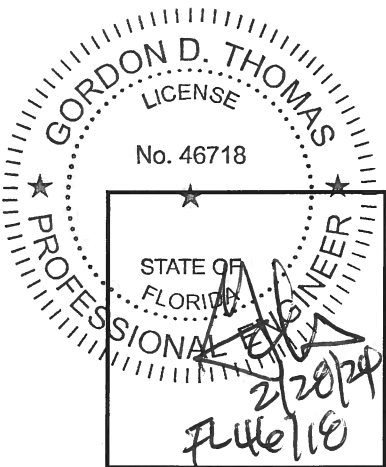
NOA-No. 23-1207.14

Expiration Date 02/23/2027

By Ishag I. Chande
Miami-Dade Product Control

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.

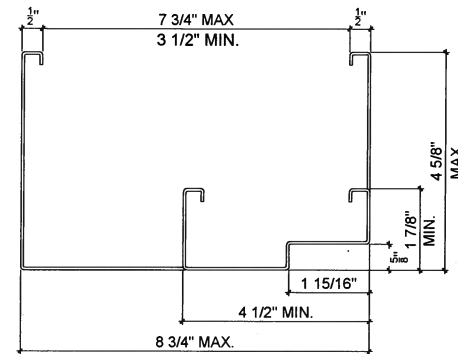
HARDWARE LOCATIONS: ALL THESE DOORS WERE
MANUFACTURED WITH THE CYLINDRICAL LEVER, OR
KNOBS AT 40-5/16" C.L. FROM THE BOTTOM OF THE
FRAME. ALL THE DEADLOCKS WERE POSITIONED
46-5/16" FROM THE BOTTOM OF THE FRAME.



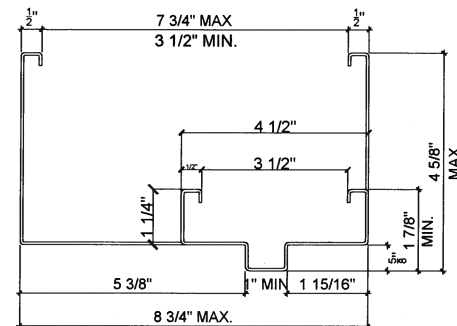
REVISIONS	
NO.	DATE
1	10/17/2023
UPDATED TO 2023 FBC	

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

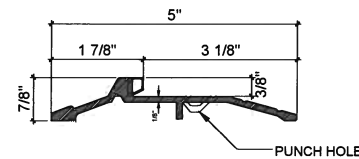
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SCALE	NTS.
DRAWN	
PROJECT	
DRAWING NO.	
AD 11-05	
SHEET 6 OF 9	



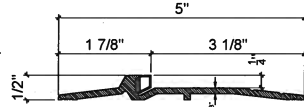
① FRAME HEAD OPTION 18GA (0.048") STEEL (SINGLE RABBIT)



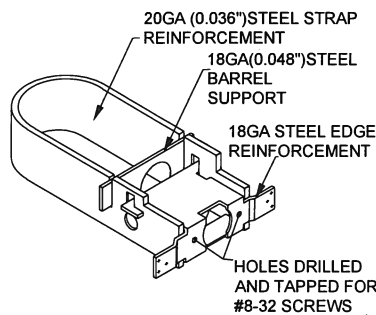
① FRAME HEAD OPTION 18GA (0.048") STEEL (DOUBLE RABBIT)



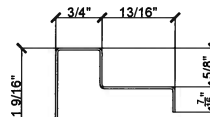
③ PEMKO 177 AT THRESHOLD



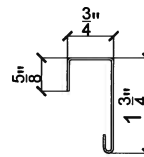
④ PEMKO 2005 AT THRESHOLD OPTION



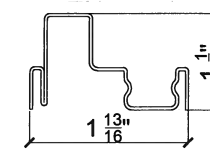
⑥ DR 1600 (CYLINDRICAL LOCK REINFORCEMENT ASSEMBLY ALSO FOR DEAD BOLT)



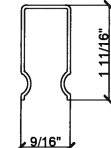
②① LITE KIT #1 18 GA



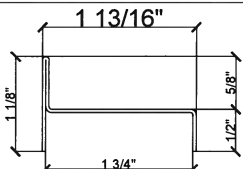
②② LITE KIT #1 18 GA



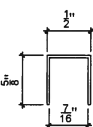
②③ LITE KIT #2 20 GA



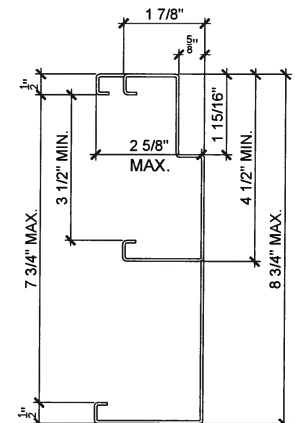
②④ LITE KIT #2 20 GA



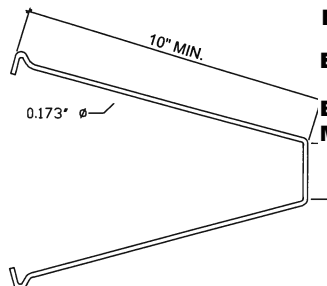
②⑤ LITE KIT #3 20 GA



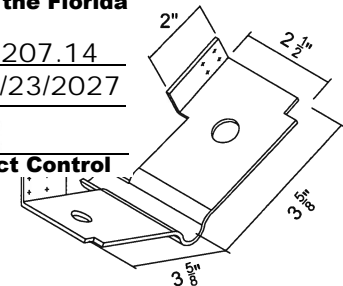
②⑥ LITE KIT #3 20 GA



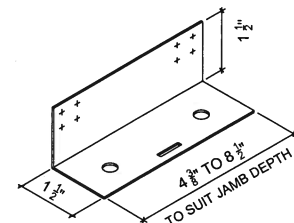
② FRAME JAMB OPTION 18GA (0.048") STEEL (SINGLE RABBIT)



⑩ FA3030 MASONRY WIRE ANCHOR (STEEL) Fy=60 KSI Fu=24KSI

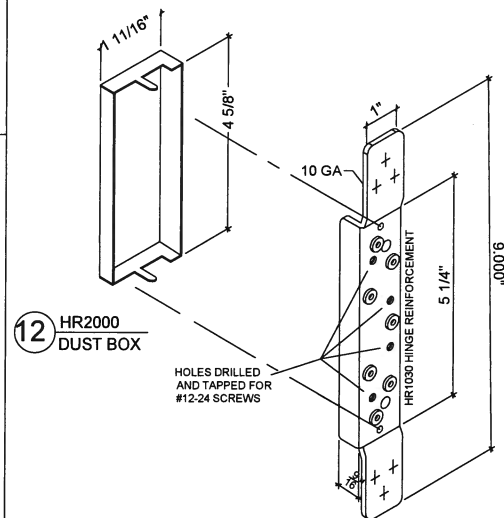


⑧ FA3010-18GA (.048") STEEL EMA BUTTERFLY MASONRY ANCHOR

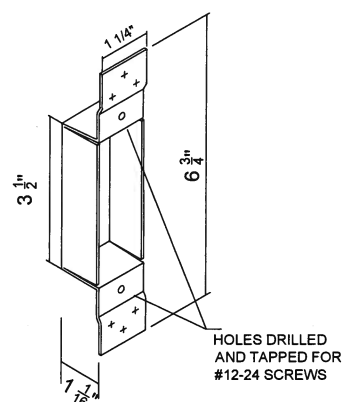


⑪ FA 1040 18GA FLOOR ANCHORS AS OPTION

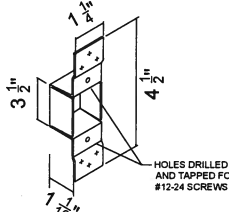
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1207.14
Expiration Date 02/23/2027
By Ishag I. Chank
Miami-Dade Product Control



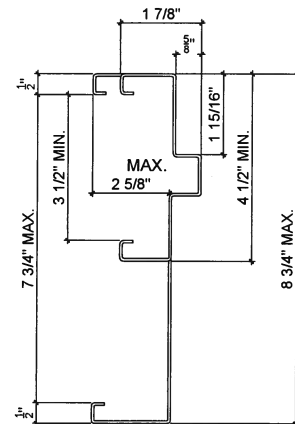
⑫ HR2000 DUST BOX



⑨ FR1100 ASA STRIKE BOX REINFORCEMENT

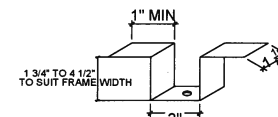


⑦ FR1000 DEADBOLT STRIKE REINFORCEMENT



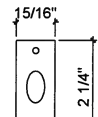
② FRAME JAMB OPTION 18GA (0.048") STEEL (DOUBLE RABBIT)

⑬ HR1030 HINGE REINFORCEMENT

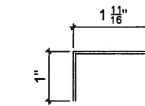


⑮ FA3012-18GA ANCHOR CLIP OPTION

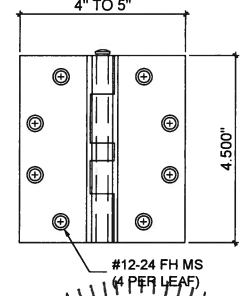
OPTIONAL



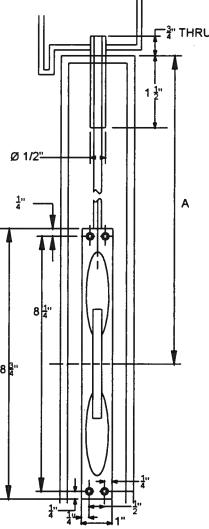
⑲ IVES FB 458 TOP & BOTTOM BOLT (STRIKE)



②⑦ LITE KIT #4 20 GA



②⑧ 1/4" THICK STEEL HINGE



②⑨ IVES FB 458 FLUSH BOLT

#12-24 FH MS (4 PER LEAF)

No. 46718

STATE OF FLORIDA

PROFESSIONAL ENGINEER

2/3/2023

NO.	DATE	DESCRIPTION
1	10/17/2023	UPDATED TO 2023 FBC

GENSTORM GLAZED INSWING STEEL DOOR (LMI)
gensteeldoors
4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.3562
www.gensteeldoors.com

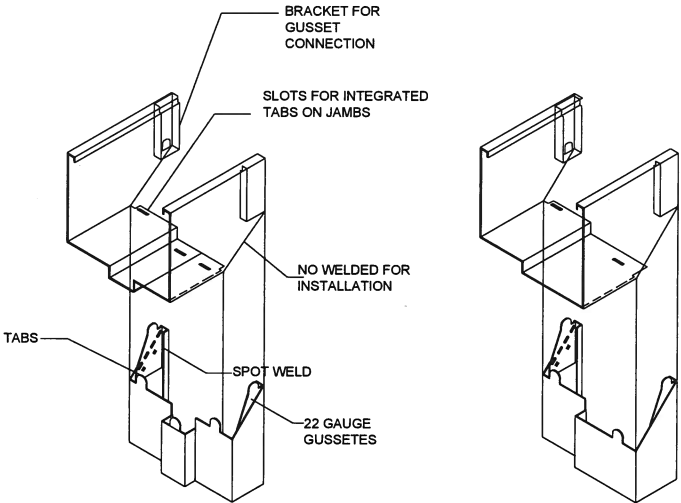
DATE	10/17/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.
AD11- 05

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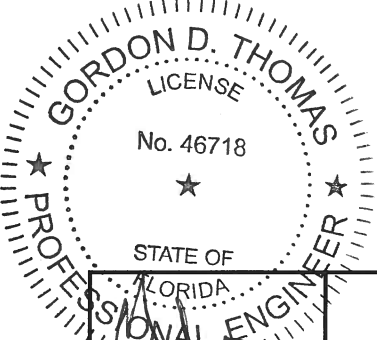
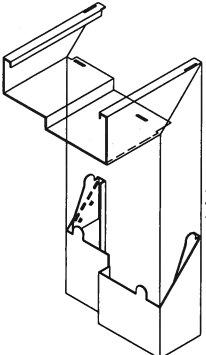
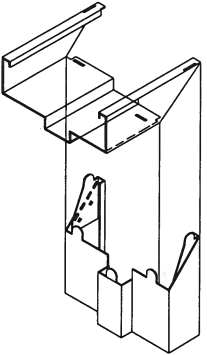
BILL OF MATERIALS

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	LITE KIT #1	STEEL	AS REQD.	18GA STEEL GLAZING BEAD USED IN LITE KIT #1	GENSTEEL
22	LITE KIT #1	STEEL	AS REQD.	18GA STEEL GLAZING BEAD USED IN LITE KIT #1	GENSTEEL
23	LITE KIT #2	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #2	GENSTEEL
24	LITE KIT #2	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #2	GENSTEEL
25	LITE KIT #2 & #4	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #3&4	GENSTEEL
26	LITE KIT #2 & #4	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #3&4	GENSTEEL
27	LITE KIT #4	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #4	GENSTEEL
28	HONEYCOMB CORE	—	AS REQD.	INSIDE OF DOOR PANEL	GENSTEEL
29	IVES FB 458	STEEL	AS REQD.	IVES TOP & BOTTOM FLUSH BOLTS	IVES
30	CH3601	STEEL	AS REQD.	1" X 1-5/8" X 1" X 18GA DOOR END CHANNEL	GENSTEEL



CORNER FRAME CONSTRUCTION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.14
Expiration Date 02/23/2027
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.

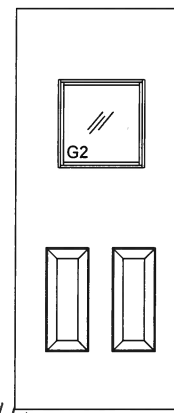
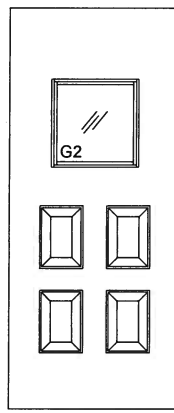
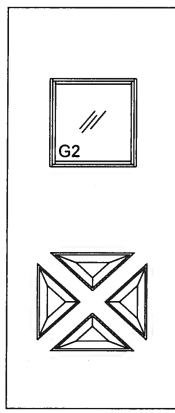
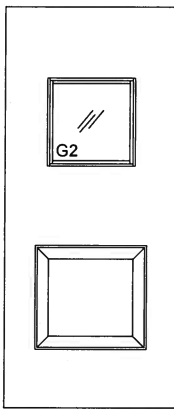
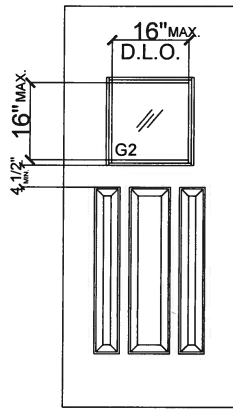
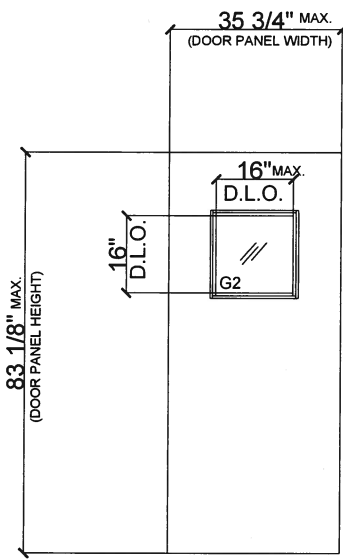
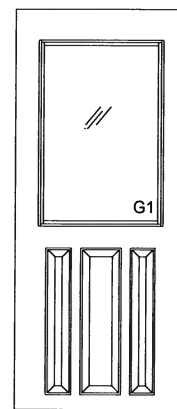
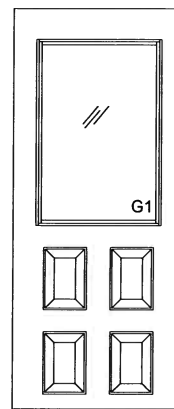
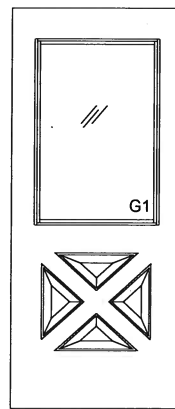
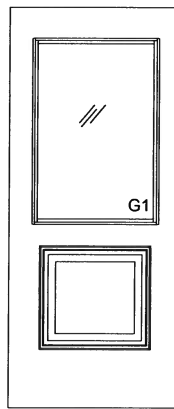
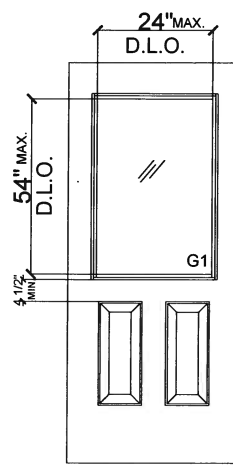
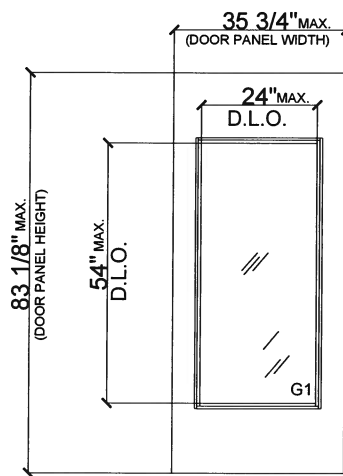
REVISIONS	
NO	DESCRIPTION
1	10/17/2023 UPDATED TO 2023 FBC

GENSTORM GLAZED INSWING STEEL DOOR (LM)

gensteeldoors

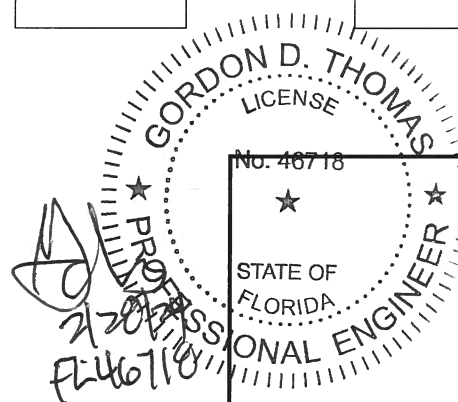
4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.1932
Fax: 514.733.3562
www.gensteeldoors.com

DATE	10/17/2023
SCALE	NTS.
DRAWN	
PROJECT	
DRAWING NO.	
AD11-05	
SHEET 8 OF 9	



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0117.14
Expiration Date 02/27/2028
By *Ishaq I. Chande*
Miami-Dade Product Control

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



REVISIONS	
NO.	DATE
1	10/17/2023
	DESCRIPTION
	UPDATED TO 2023 FBC

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

gensteeldoors

4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6
Tel: 514.733.1932
Fax: 514.733.3562
www.gensteeldoors.com

DATE	10/17/2023
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