



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

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed 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 4888 HD” Flush Outswing Single & Double Commercial Steel Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD15-35**, titled “Genstorm Outswing 4888 HD Opaque Steel Door (LMI&SMI)”, sheets 1 thru 12 of 12, dated 10/18/23, with revision #1 dated 10/18/23, prepared by manufacturer, signed and sealed by Gordon D. Thomas, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

and series 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.

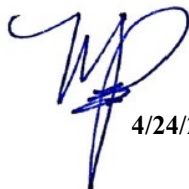
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 **renews NOA No. 23-1207.09** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




4/24/26

NOA No. 26-0415.03
Expiration Date: April 21, 2031
Approval Date: April 30, 2026
Page 1

Gensteel Doors Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0526.02)
2. Drawing No. **AD15-35**, titled "GenStorm Outswing 4888 HD Opaque Steel Door (LMI&SMI)", sheets 1 through 12 of 12, dated 10/18/23, with revision #1 dated 10/18/23, prepared by manufacturer, signed and sealed by Gordon D. Thomas, P.E.
(Submitted under NOA No. 23-1207.09)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of GenStorm Opaque, Outswing Double Doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5898** dated 08/14/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0526.02)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 5th Edition (2014), dated 05/18/15, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 20-1230.02)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Tensile Test Report No. **FTL-7654** per ASTM A370-05 dated 08/14/11, issued by Fenestration Testing Lab, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0526.02)
2. Notice of Acceptance No. **14-1015.08** issued to **Johns Manville Corp.** for their "Polyisocyanurate foam (R-Panel 25 PSI)" dated 01/15/15, expiring on 02/05/19
(Submitted under NOA No. 15-0526.02)
3. Technical specification of Fiberglass 800 Series Insulation compliance to ASTM E-84, dated 06/15, published by Johns Manville Corp.
(Submitted under NOA No. 15-0526.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0415.03
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Gensteel Doors Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

E. MATERIAL CERTIFICATIONS (CONTINUED)

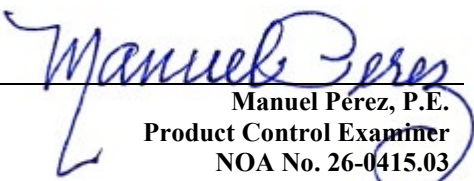
4. Technical specification of "Expanded Polystyrene (EPS-Type 1) sheet, published by LigerLite (using STYROCHEM's EPS beads).
(Submitted under NOA No. 15-0526.02)

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, dated January 28, 2024, prepared, signed and sealed by Gordon D. Thomas, P.E.
(Submitted under NOA No. 23-1207.09)
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 NOA No. 23-1207.09)
3. Statement letter of no financial interest, dated December 14, 2023, prepared, signed and sealed by Gordon D. Thomas, P.E.
(Submitted under NOA No. 23-1207.09)
4. Statement letter of no changes other than the title block, dated December 14, 2023, prepared, signed and sealed by Gordon D. Thomas, P.E.
(Submitted under NOA No. 23-1207.09)
5. Distributor Agreement between Gensteel Doors, Inc., Ontario Canada and North American Door Corp. dba Gensteel Doors, LLC, N.Y., USA, dated January 26, 2021, signed by Bruno Gervasi, VP Manufacturing and Antonio Gervasi, President, respectively.
(Submitted under NOA No. 20-1230.04)
6. Statement letter dated March 30, 2016, for use of STYROCHEM's EPS beads to manufacturer LegerLite core, issued by Le Groupe LegerLite Inc., signed by Patrik L'Ecuyer, VP-Ventes.
(Submitted under NOA No. 15-0526.02)

G. OTHERS

1. Notice of Acceptance No. **20-1230.04**, issued to Gensteel Doors Inc. for their Series "GenStorm" 4888 HD Flush Outswing Single & Double Steel Doors – L.M.I., approved on 02/04/21 and expiring on 04/21/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 26-0415.03
Expiration Date: April 21, 2031
Approval Date: April 30, 2026

Gensteel Doors Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94(PMK177T threshold)
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 FBC, TAS 202
along with marked-up drawings and installation diagram of GenStorm DS 4888 heavy duty opaque steel door, prepared by QAI Laboratories, Test Report No. **QA 6615**, dated 03/19/26 signed and sealed by Idalmis Ortega, P.E.

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. None.

G. OTHERS

1. Notice of Acceptance No. **23-1207.09**, issued to Gensteel Doors Inc. for their Series “GenStorm 4888 HD” Flush Outswing Single & Double Steel Doors – L.M.I., approved on 03/21/24 and expiring on 04/21/26.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 26-0415.03
Expiration Date: April 21, 2031
Approval Date: April 30, 2026

GENSTEEL DOORS INC.

SERIES "GENSTORM OUTSWING 4888 HEAVY DUTY OPAQUE STEEL DOOR"

LARGE MISSILE IMPACT (LMI&SMI)

SERIES GENSTORM OUTSWING 4888 HEAVY DUTY OPAQUE DOOR (LMI&SMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENT OF THE 8TH EDITION OF FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

- DOORS RATED FOR LARGE AND SMALL MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.

- DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED (SINGLE ROW SELF-ADHESIVE CLOSED CELL FOAM TAPE TO BE APPLIED TO ENTIRE PERIMETER OF FRAME).

- DOORS CAN ALSO 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.

- METAL STRUCTURES AT HEAD/JAMBS NOT BY GENSTEEL DOOR CO. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

- 2XWOOD BUCKS AT HEAD/JAMBS 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.20GA.(.038") STEEL MIN. Fy=42 KSI MIN & Fu=53 KSI MIN. DOOR FRAME: MIN. 18 GA.(.048") STEEL MIN. Fy=42 KSI MIN. & Fu=53 KSI MIN.

- DOOR PANEL STAINLESS OPTION: 18GA (.048") STAINLESS STEEL, TYPES 304 OR 316 GRADES, Fy=42 KSI MIN. Fu= 53 KSI MIN. DOOR PANEL MEETING MIN. Fy=42 KSI & Fu= 53 KSI OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.

- DOOR FRAME STAINLESS OPTION: 18GA (.048") STAINLESS STEEL, TYPES 304 OR 316 GRADES, Fy=42 KSI MIN. Fu= 53 KSI MIN. DOOR PANEL MEETING MIN. Fy=42 KSI & Fu= 53 KSI OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.

- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-16 MULTIPLY BY 0.6, SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT.

NOTES:
EGRESS REQUIREMENT TO BE REVIEWED BY BUILDING OFFICIAL.

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

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

TYPE A 5/16" DIA. ULTRACONS BY 'DEWALT' (Fy=155 ksi Fu=177 ksi) THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO CONCRETE, fc'=3000 PSI MIN. 1-3/4" MIN. EMBED, 2 3/16" MIN. EDGE DISTANCE

TYPE A1 5/16" DIA. ULTRACONS BY 'DEWALT' (Fy=155 ksi Fu=177 ksi) THRU EMA (EXISTING MASONRY ANCHOR) INTO WOOD. SG=0.55 MIN. 1 1/2" MIN. EMBED, 2 3/16" MIN. EDGE DISTANCE.

TYPE B 3/8" DIA. HILTI SLEEVE ANCHOR THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO CONCRETE fc'=3000 PSI MIN. 1 1/4" MIN. EMBED, 3 1/4" MIN. EDGE DISTANCE.

TYPE B1 3/8" DIA. HILTI SLEEVE ANCHOR THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO GROUT FIELD CONCRETE BLOCK fm'=2000 PSI MIN. 1 1/4" MIN. EMBED, 3 1/2" MIN. EDGE DISTANCE.

TYPE C 3/8" DIA. SLEEVE ANCHOR BY 'WEJ-IT' THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO CONCRETE fc'=4000 PSI MIN. 2 3/8" MIN. EMBED, 2 3/8" MIN. EDGE DISTANCE.

TYPE C1 3/8" DIA. SLEEVE ANCHOR BY 'WEJ-IT' THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO GROUT FILLED CONCRETE BLOCK fm'=2000 PSI MIN. 1 1/4" MIN. EMBED, 2 3/8" MIN. EDGE DISTANCE.

TYPE D 3/8" DIA. SLEEVE ANCHOR BY 'POWERS' THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO CONCRETE fc'=2000 PSI MIN. 2 1/2" MIN. EMBED, 3 1/8" MIN. EDGE DISTANCE.

TYPE D1 3/8" DIA. SLEEVE ANCHOR BY 'POWERS' THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO GROUT FILLED CONCRETE BLOCK fm'=2000 PSI MIN. 2" MIN. EMBED, 3 1/8" MIN. EDGE DISTANCE.

TYPE E 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST THRU EMA (EXISTING MASONRY ANCHOR) 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 PAINTED) 5/8" MIN. EDGE DISTANCE

TYPE G WIRE ANCHOR (FA3030) (FY=60KSI.) MIN. 10" LG HEAD/JAMB TO BE GROUT FILLED (2000 PSI MIN) 0.173 DIA. STEEL WIRE ANCHORS EMBED INTO GROUT FILLED CONCRETE BLOCK fm'=2000 PSI MIN.

TYPE H 3/8" POWERS WEDGE BOLT ANCHOR BY 'POWERS' THRU EMA (EXISTING MASONRY ANCHOR) DIRECTLY INTO CONCRETE fc'=3000 PSI MIN. 1 1/2" MIN. EMBED, 3 1/4" MIN. EDGE DISTANCE

TYPICAL ANCHORS @ THRESHOLD:

TYPE F 1/4" DIA. ULTRACON+BY "DEWALT" (Fy=148 ksi Fu=164 ksi) DIRECTLY INTO CONCRETE fc'=3000 PSI MIN. 1-1/2" MIN. EMBED, 2-1/2" MIN. EDGE DISTANCE

TYPE F1 1/4" DIA. TOPCON BY "ELCO" (Fy=100 ksi Fu=125 ksi) DIRECTLY INTO CONCRETE fc'=3000 PSI MIN. 1-1/2" MIN. EMBED, 2-1/2" MIN. EDGE DISTANCE

TYPICAL ANCHORS @ FRAME JAMB BOTTOM CORNER:

TYPE F2 1/4" DIA. ULTRACON+ BY "DEWALT" (Fy=148 ksi Fu=164 ksi) 5/16" DIA. ULTRACON BY "DEWALT" (Fy=155 ksi Fu=177 ksi) DIRECTLY INTO CONCRETE fc'=3000 PSI MIN. 1-1/2" MIN. EMBED, 2-1/2" MIN. EDGE DISTANCE

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1207.09

Expiration Date 10/02/2027

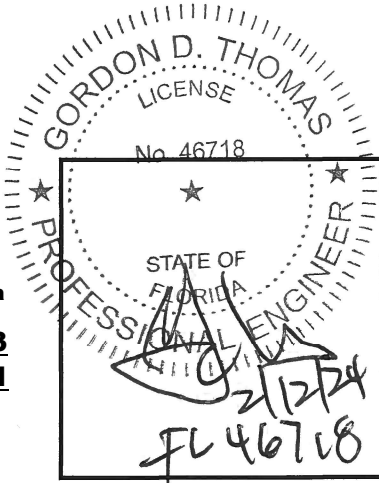
By Ishag I. Chande
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code

NOA-No. 26-0415.03

Expiration Date: 04/21/2031

By: Manuel Fern
Miami-Dade Product Control



REVISIONS		DESCRIPTION
NO.	DATE	
1	10/18/2023	2023 FBC UPDATE

GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&SMI)

gensteeldoors

www.gensteeldoors.com

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

DATE	10/18/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.
AD15-35

SHEET 1 OF 12

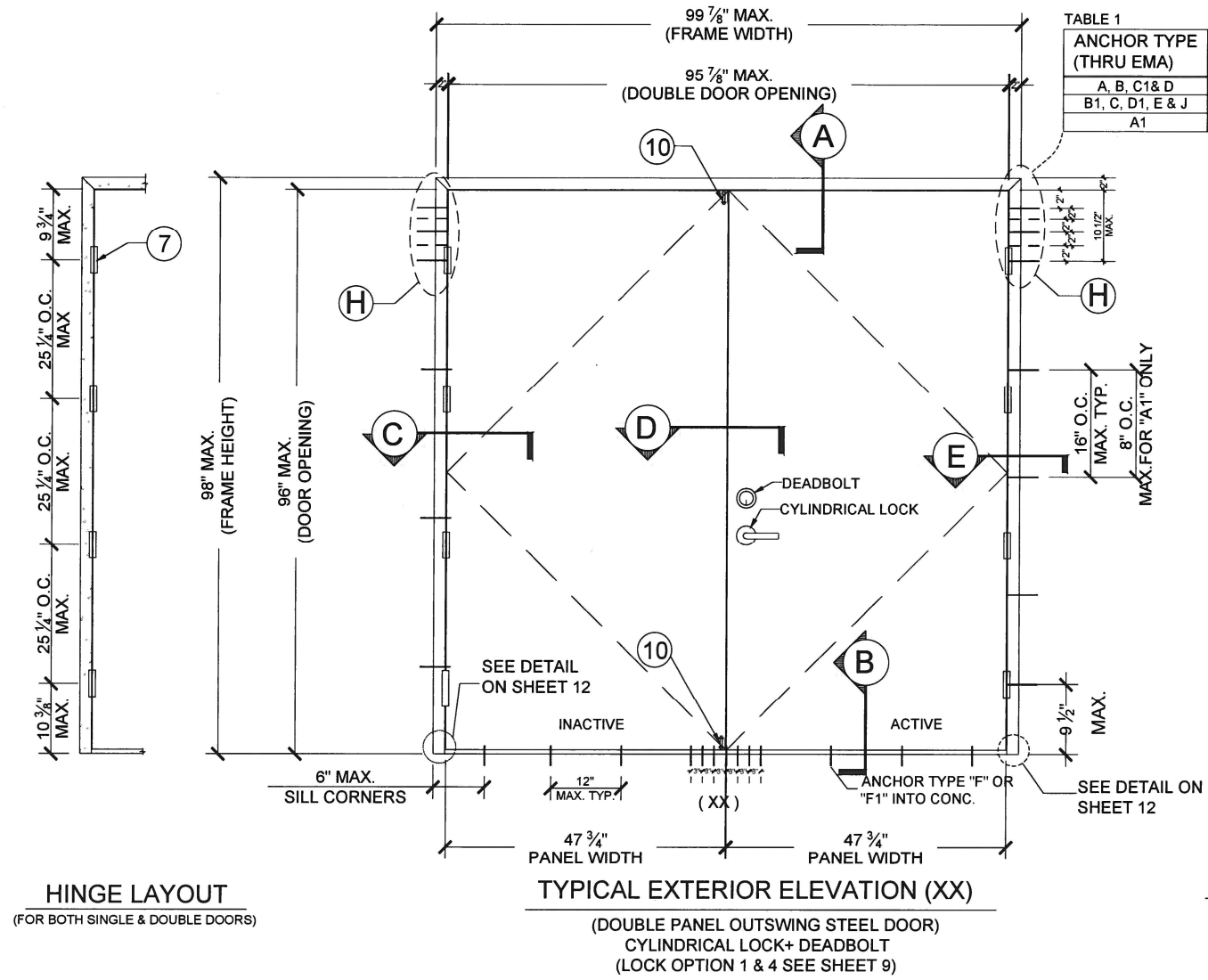
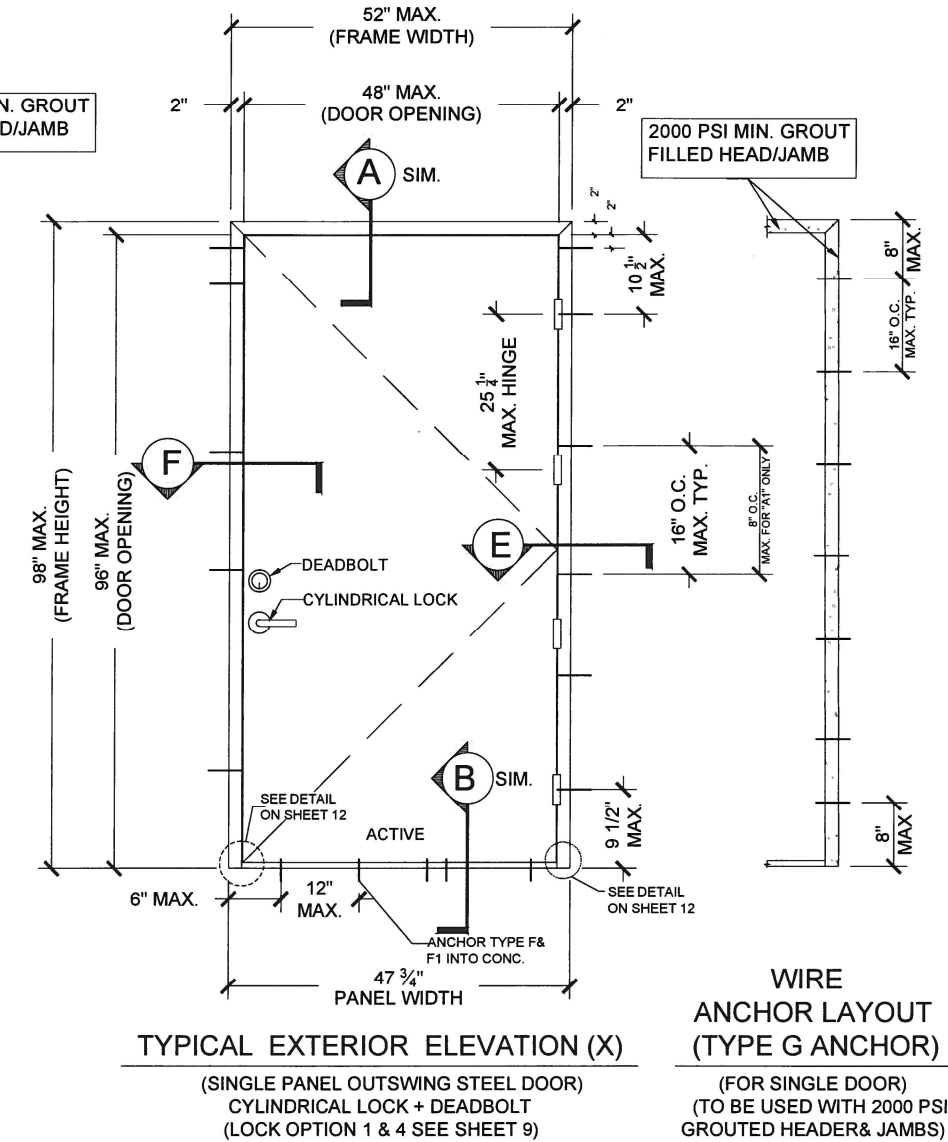


TABLE 1

ANCHOR TYPE (THRU EMA)	NUMBER OF REQ'D ANCHOR
A, B, C1 & D	2
B1, C, D1, E & J	3
A1	5

2000 PSI MIN. GROUT FILLED HEAD/JAMB

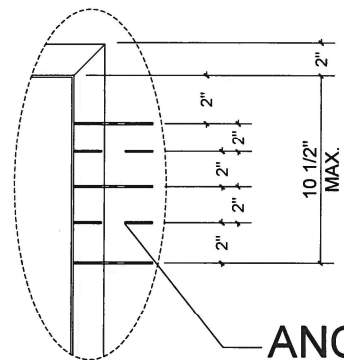
WIRE ANCHOR LAYOUT (TYPE G ANCHOR)
(FOR DOUBLE DOOR)
(TO BE USED WITH 2000 PSI GROUTED HEADER & JAMBS)



DESIGN LOADS
(FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)

+90.0 PSF
-90.0 PSF

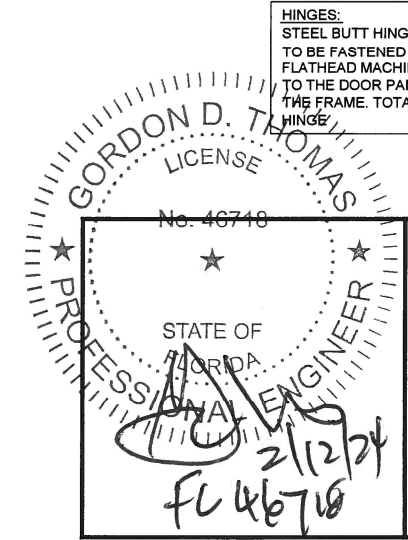
HINGES:
STEEL BUTT HINGES 4 PER LEAF
TO BE FASTENED BY (4) #12-24 X 1/2\"/>



ANCHOR TYPE A1 ONLY

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-1207.09**
Expiration Date **10/02/2027**
By Ishag I. Chank
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By: Manuel Perez
Miami-Dade Product Control



REVISIONS

NO.	DATE	DESCRIPTION
1	10/18/2023	2023 FBC UPDATE

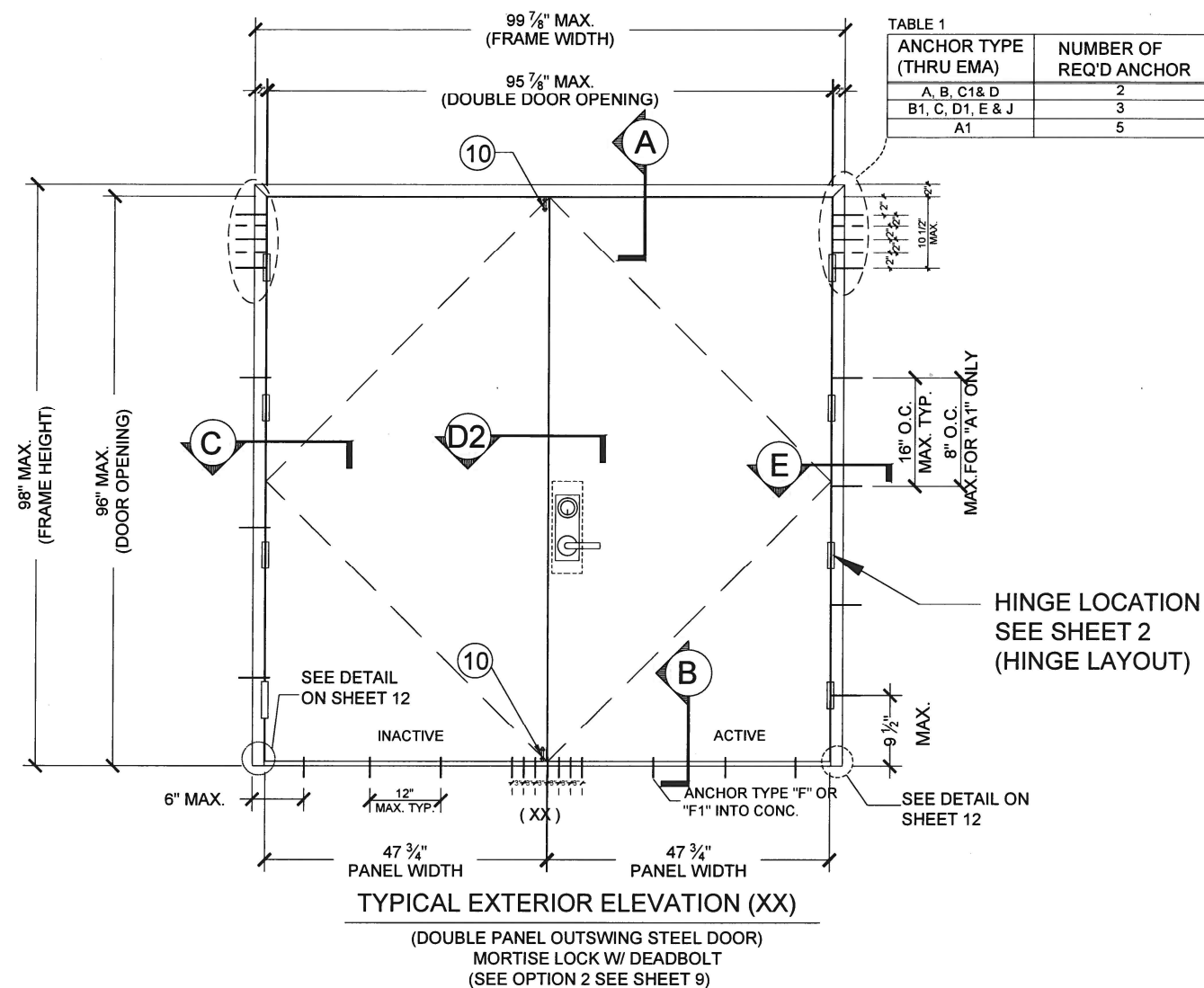
GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LM&SM)

gensteeldoors
www.gensteeldoors.com

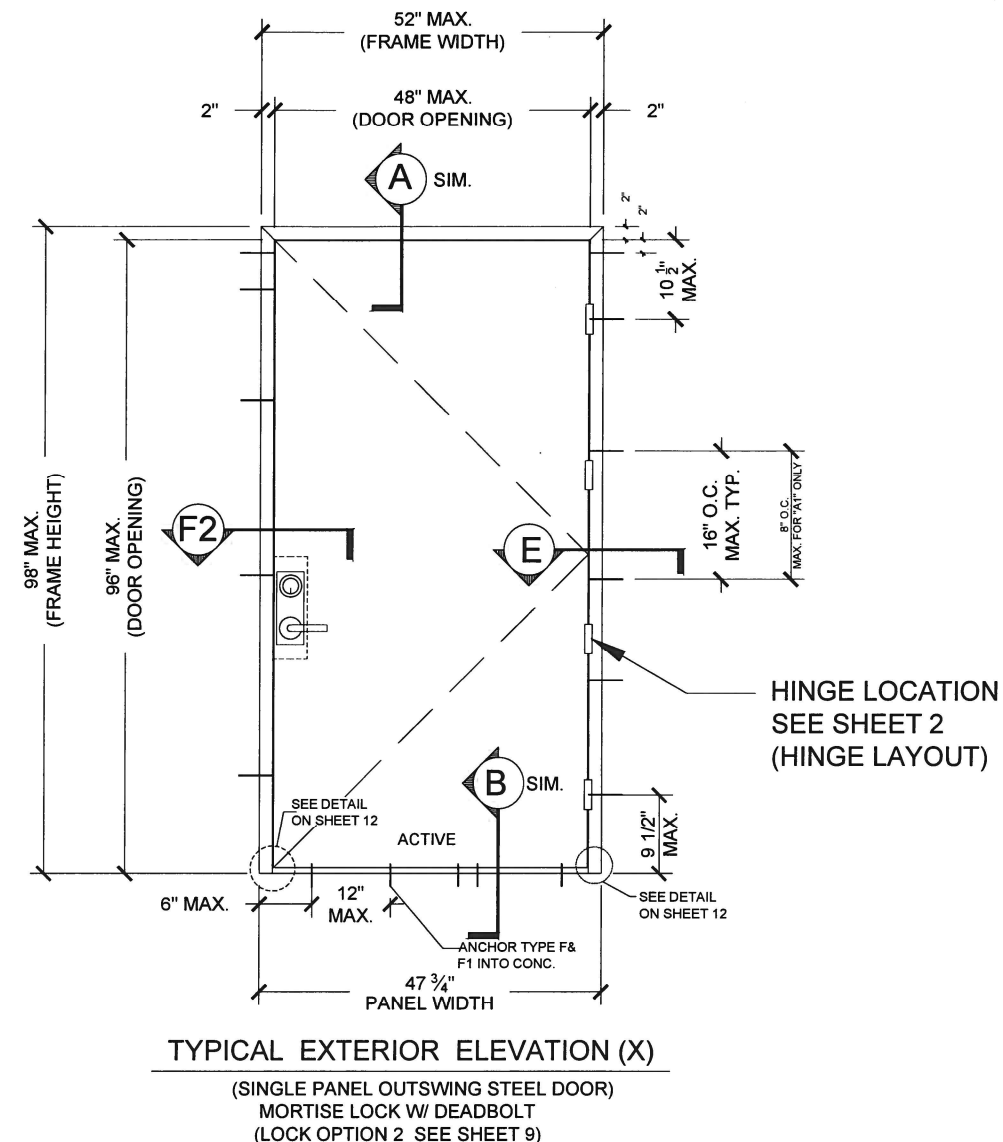
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	10/18/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.	AD15-35
SHEET	2 OF 12

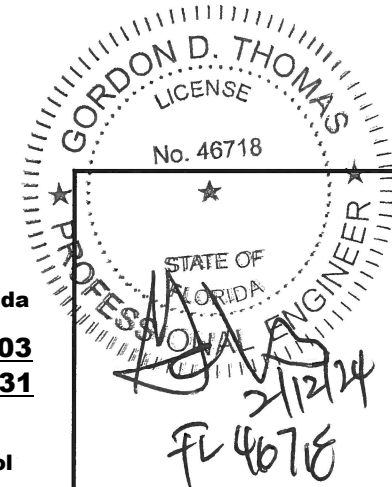


DESIGN LOADS
(FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+90.0 PSF
-90.0 PSF



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-1207.09**
Expiration Date **10/02/2027**
By Ishag I. Chande
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By: Manuel Fern
Miami-Dade Product Control



NO.	DATE	DESCRIPTION
1	10/18/2023	2023 FBC UPDATE

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DRAWING NO.	AD15-35
SHEET	3 OF 12

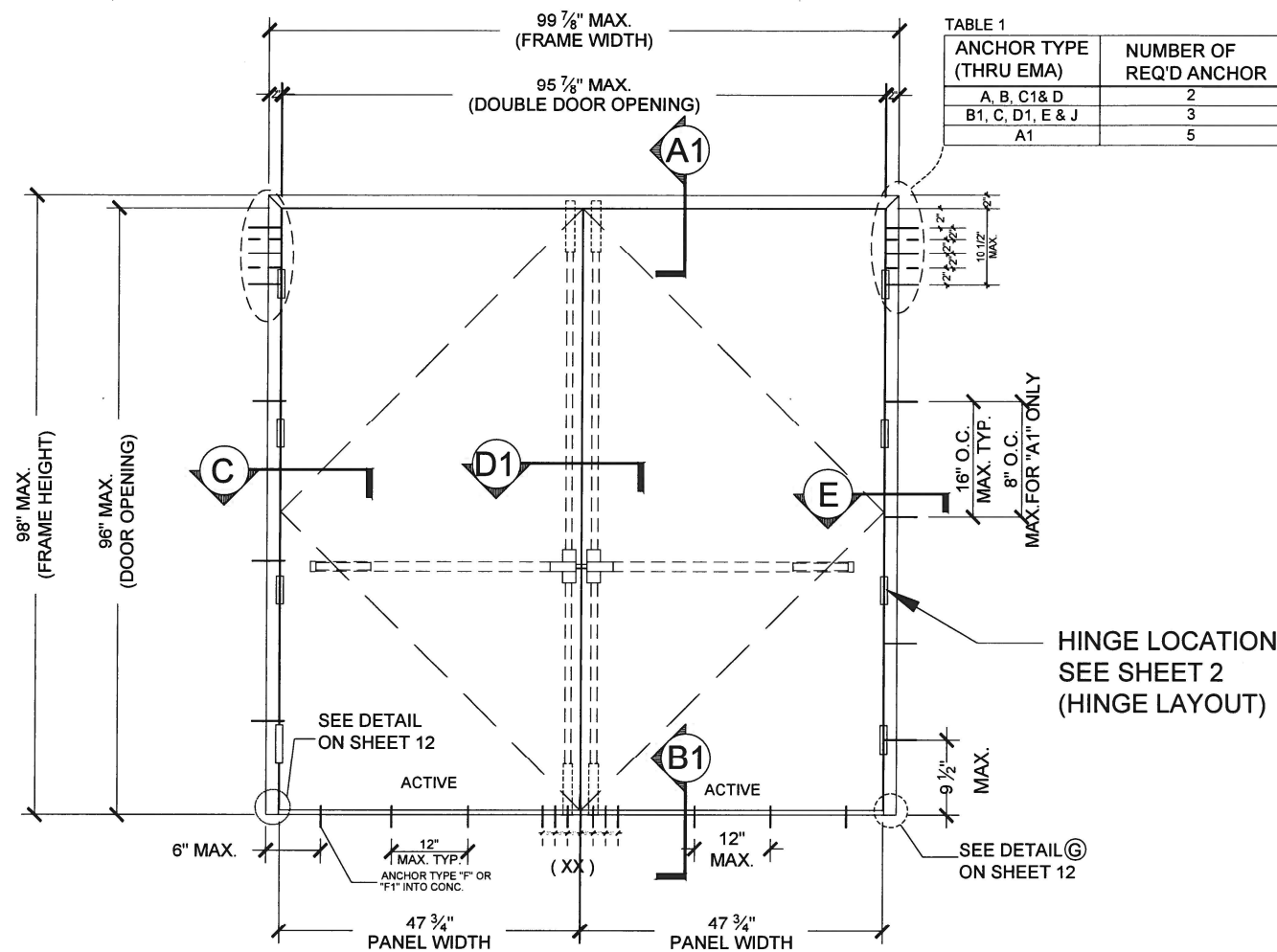
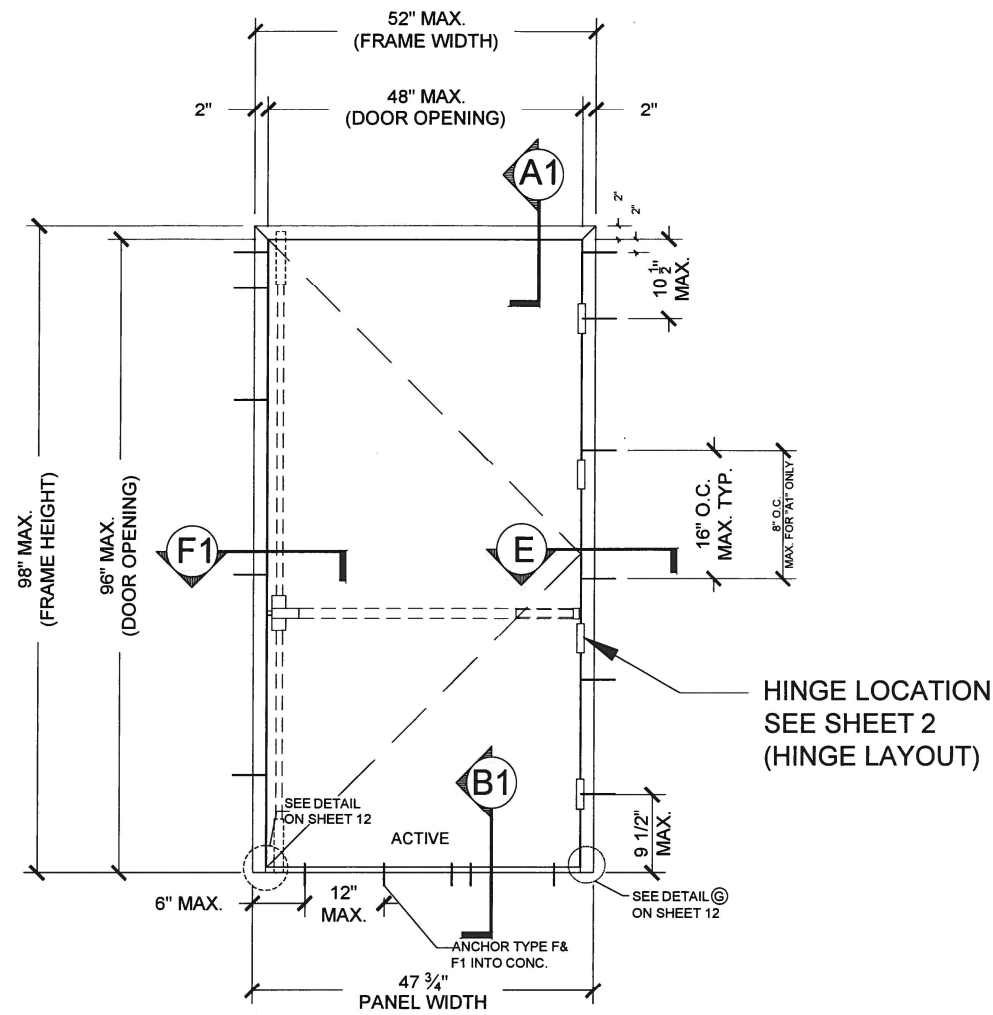


TABLE 1	
ANCHOR TYPE (THRU EMA)	NUMBER OF REQ'D ANCHOR
A, B, C1 & D	2
B1, C, D1, E & J	3
A1	5

TYPICAL EXTERIOR ELEVATION (XX)
 (DOUBLE PANEL OUTSWING STEEL DOOR)
 SURFACE VERTICAL ROD (SVR)
 (LOCK OPTION 3 AT INTERIOR SIDE SEE SHEET 9)

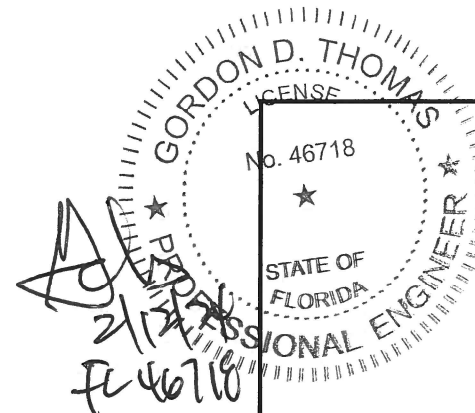
DESIGN LOADS	
(FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)	
+90.0 PSF	
-90.0 PSF	



TYPICAL EXTERIOR ELEVATION (X)
 (SINGLE PANEL OUTSWING STEEL DOOR)
 SURFACE VERTICAL ROD (SVR)
 (LOCK OPTION 3 & 5 AT INTERIOR SIDE SEE SHEET 9)

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. **23-1207.09**
 Expiration Date **10/02/2027**
 By Ishag I. Chande
 Miami-Dade Product Control

PRODUCT RENEWED
 as complying with the Florida Building Code
 NOA-No. **26-0415.03**
 Expiration Date: **04/21/2031**
 By: Manuel Ferraz
 Miami-Dade Product Control



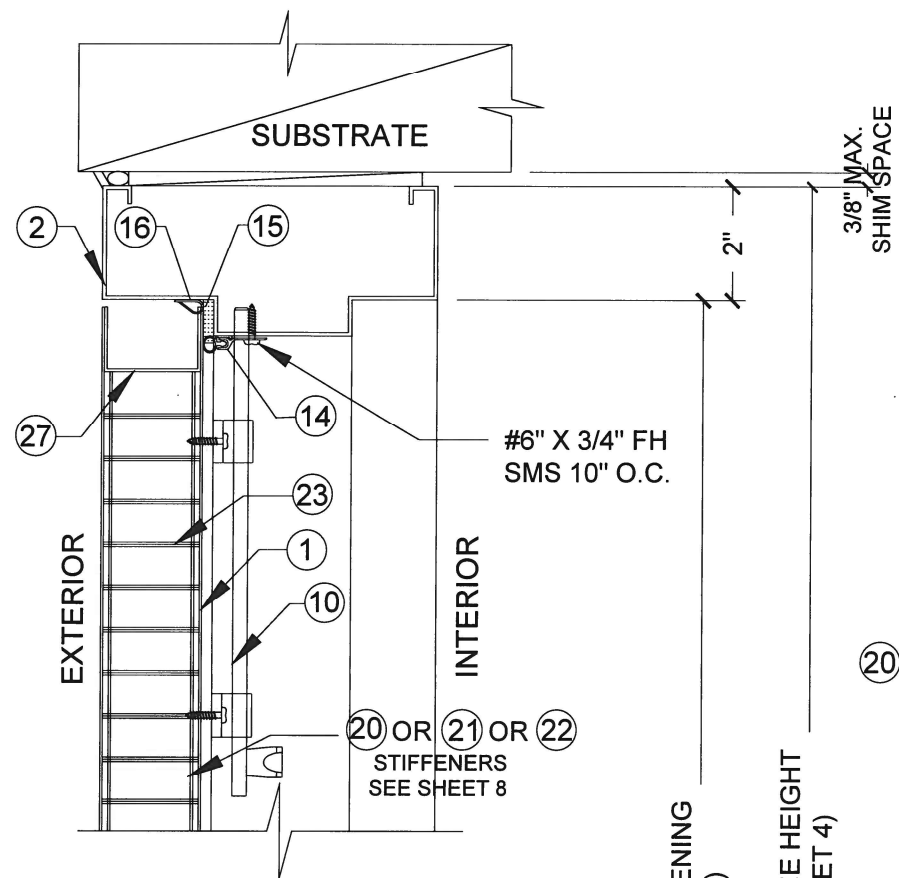
REVISIONS	
NO.	DATE DESCRIPTION
1	10/18/2023 2023 FBC UPDATE

GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&SMI)

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

DATE	10/18/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.	AD15-35
SHEET	4 OF 12

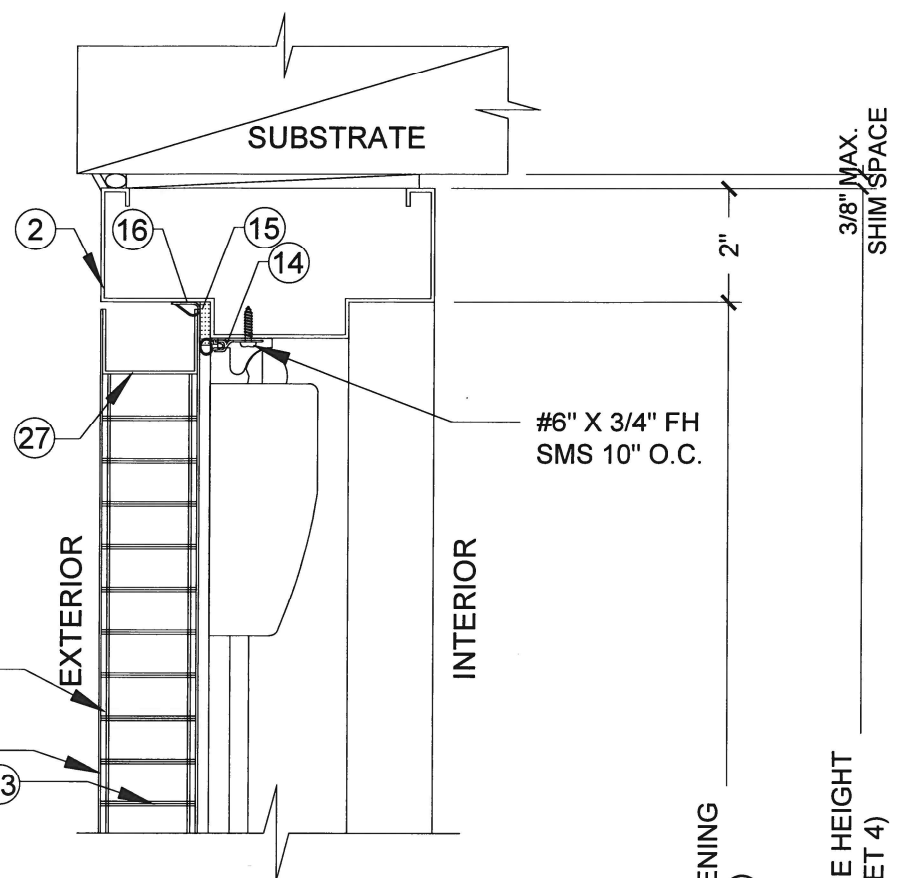


HEAD DETAIL

A

MAX. 96" DOOR OPENING
(SEE SHEET 4)

MAX. 98" FRAME HEIGHT
(SEE SHEET 4)



HEAD DETAIL
OPTION

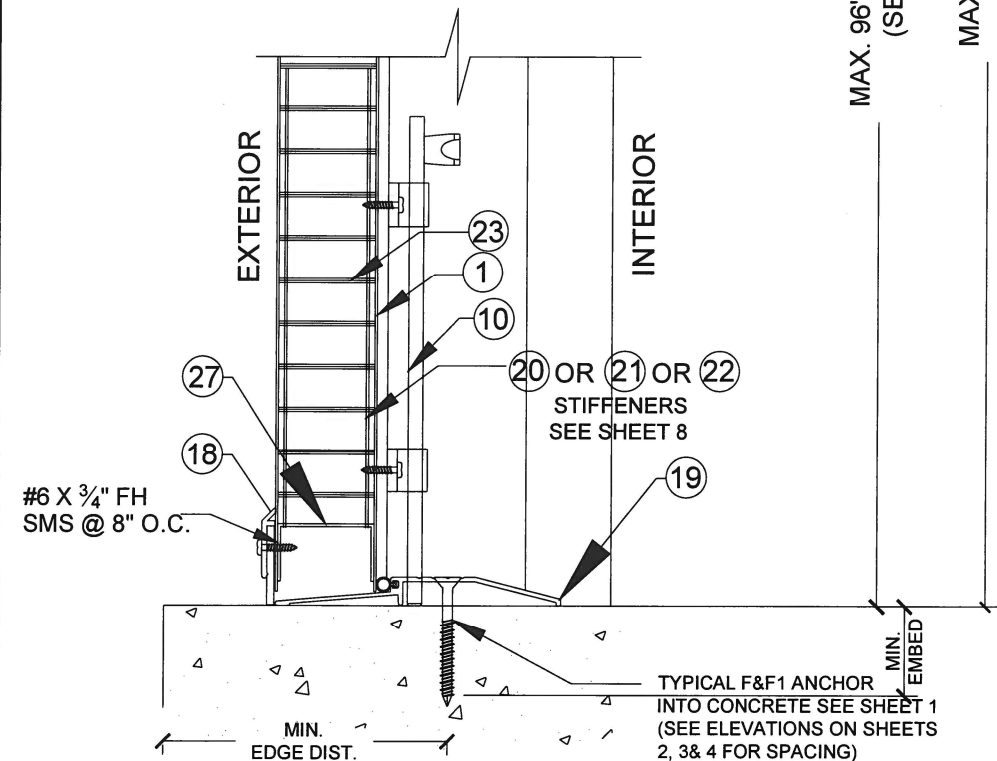
A1

MAX. 96" DOOR OPENING
(SEE SHEET 4)

MAX. 98" FRAME HEIGHT
(SEE SHEET 4)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1207.09**
Expiration Date **10/02/2027**
By Ishaq I. Chande
Miami-Dade Product Control

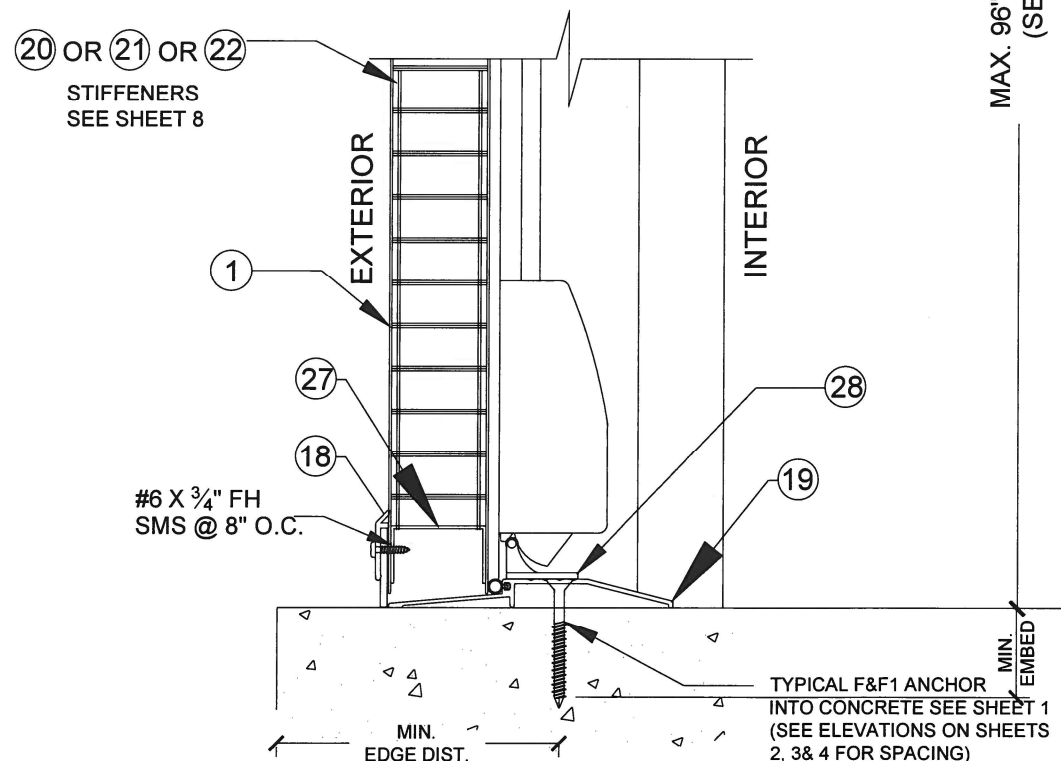
SEE SHEET 9 OF 12
FOR LOCK OPTIONS
FOR DIFFERENT HARDWARE
(SINGLE AND DOUBLE DOORS)



TYPICAL NGP 950V THRESHOLD

B

OPTION
NON-WATER RATED
(DETAIL AT ACTIVE PANEL SVR)

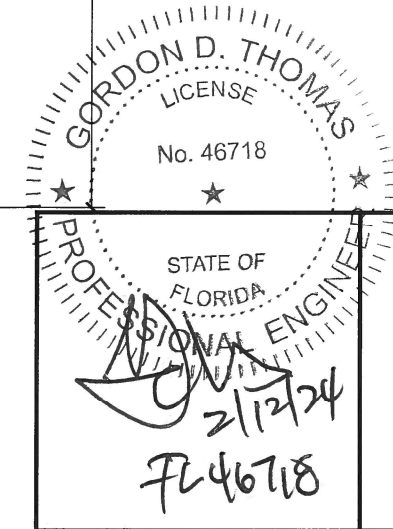


TYPICAL NGP 950V THRESHOLD

B1

OPTION
NON-WATER RATED
(DETAIL AT ACTIVE PANEL SVR)

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By: Manuel Perez
Miami-Dade Product Control



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NO.	DATE	DESCRIPTION
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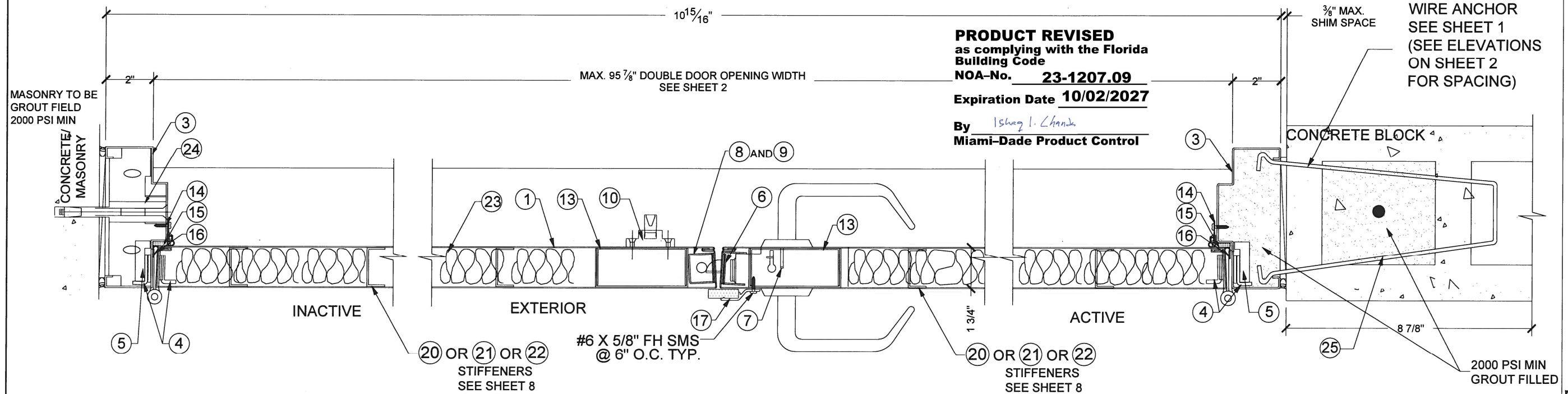
GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&SMI)

gensteeldoors
www.gensteeldoors.com

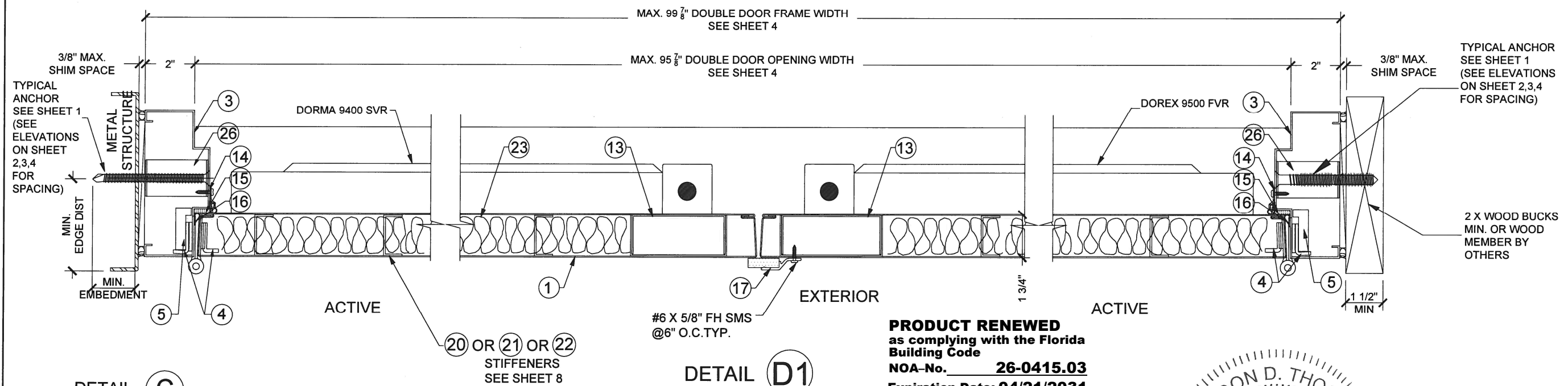
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	10/18/2023
SCALE	NTS.
DRAWN	
PROJECT	

DRAWING NO.	AD15-35
SHEET 5 OF 12	



LOCK OPTION #1 & 4
CYLINDER LOCK W/DEADBOLT
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)

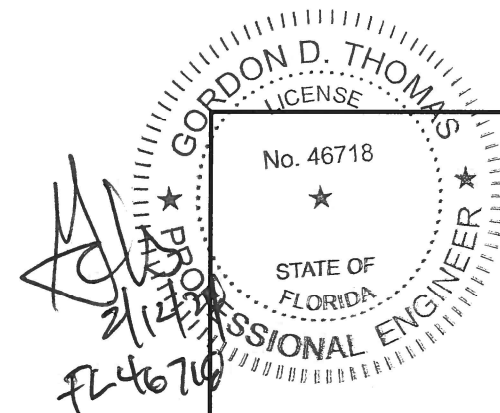


LOCK OPTION #3
SVR (SURFACE VERTICAL ROD)
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1207.09**
Expiration Date **10/02/2027**

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

PRODUCT RENEWED
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Building Code
NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By: *Manuel Perez*
Miami-Dade Product Control

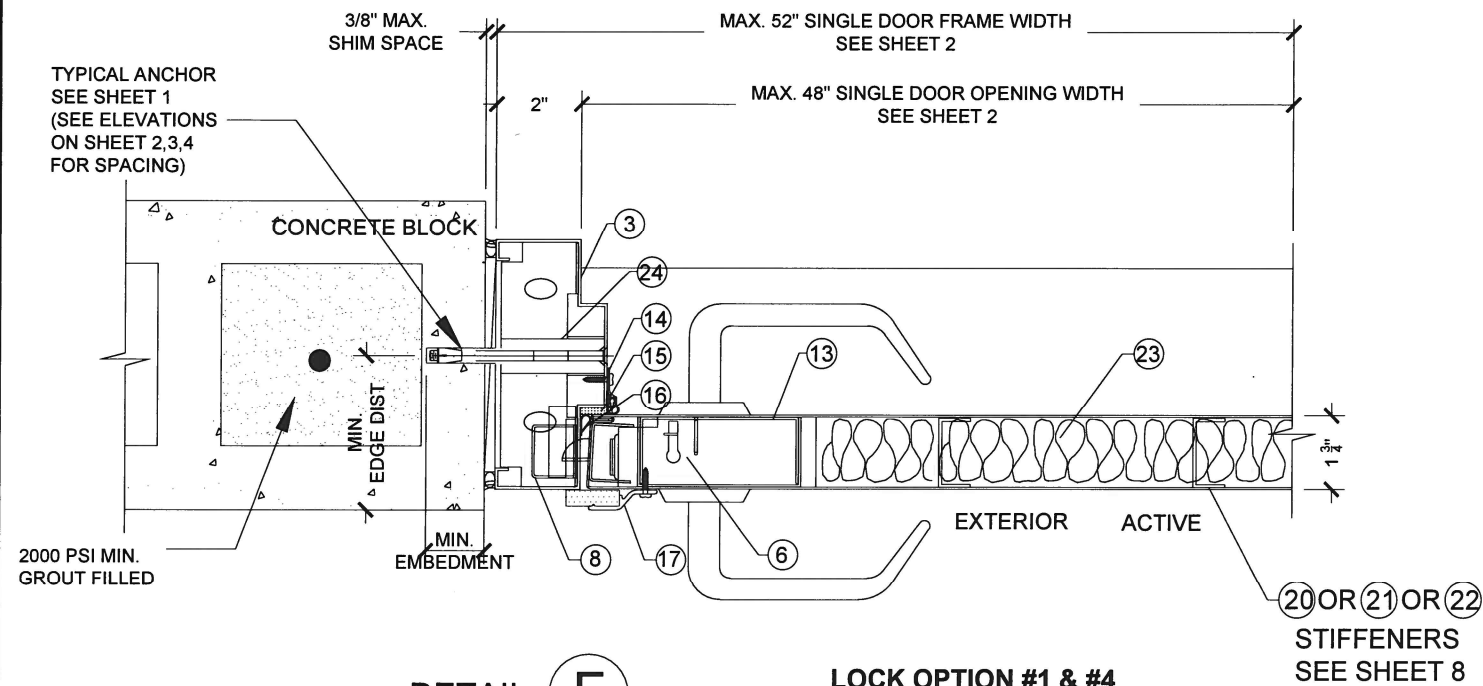


NO.	DATE	DESCRIPTION
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www.gensteeldoors.com
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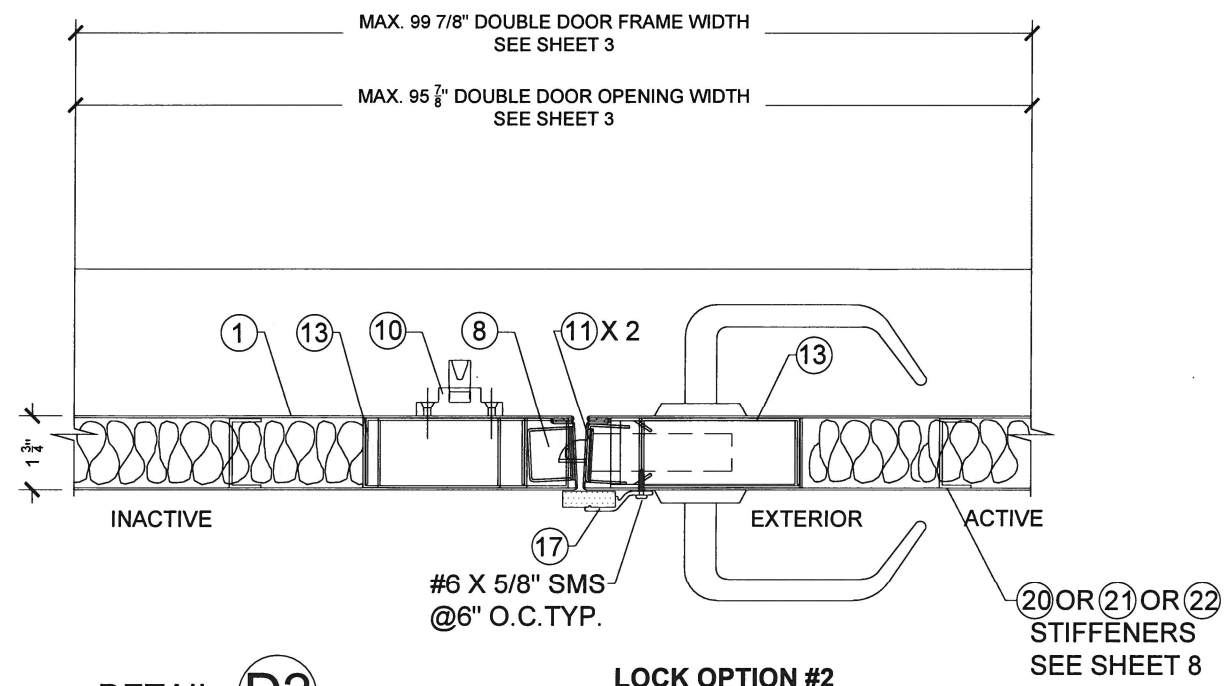
DRAWING NO.	AD15-35
SHEET	6 OF 12



DETAIL **F**

LOCK OPTION #1 & #4

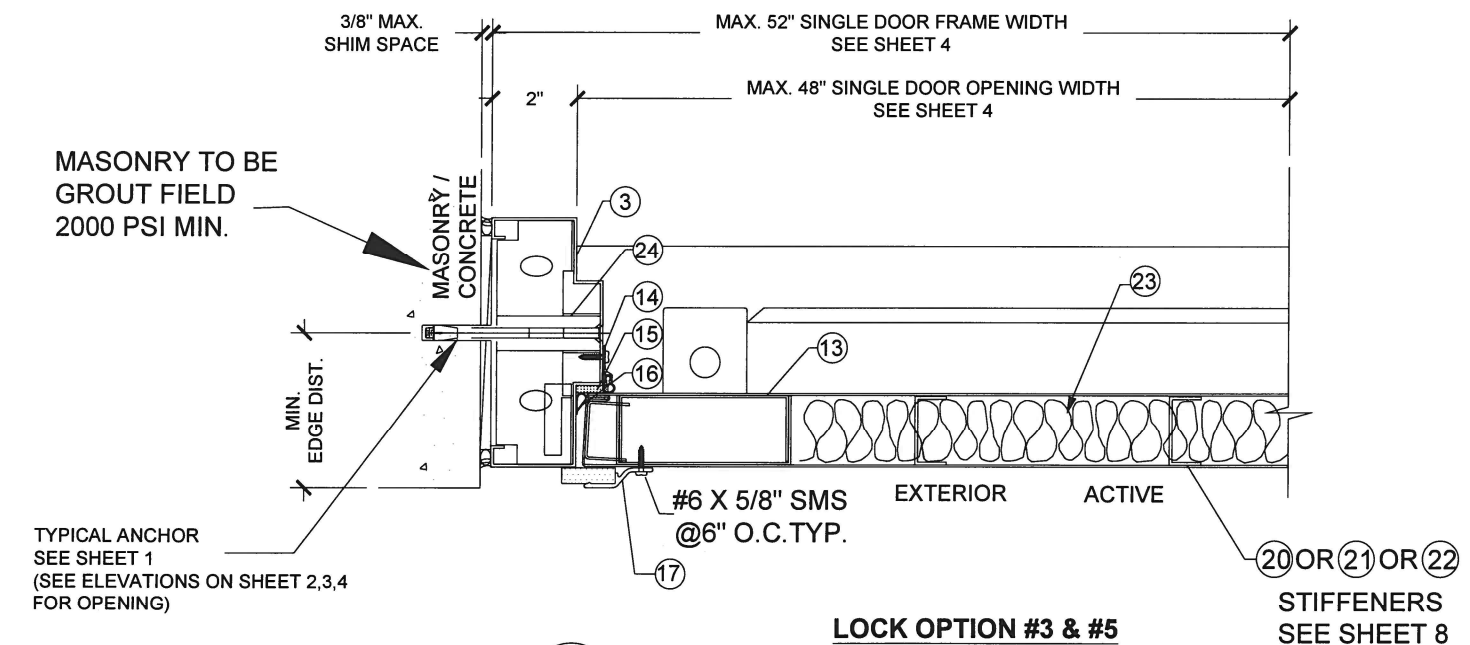
CYLINDER LOCK W/ DEADBOLT
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)



DETAIL **D2**

LOCK OPTION #2

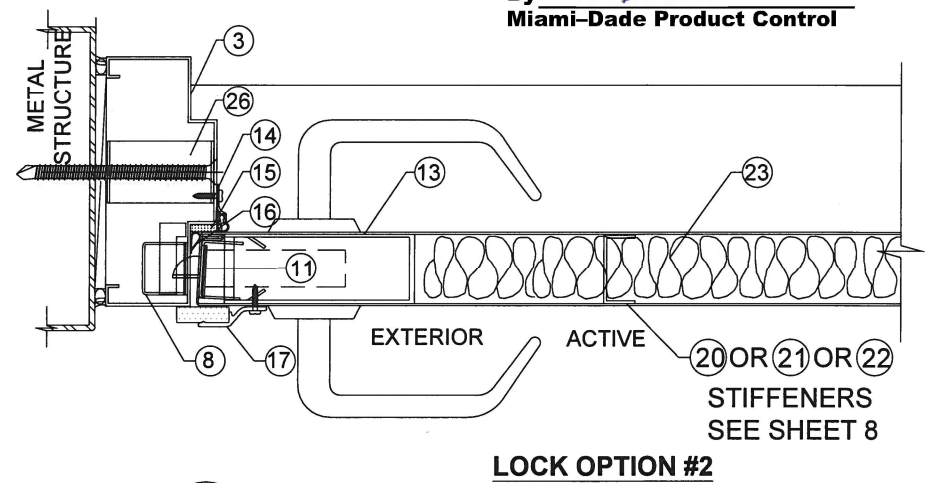
MORTISE LOCK W/DEADBOLT
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)



DETAIL **F1**

LOCK OPTION #3 & #5

SVR (SURFACE VERTICAL ROD)
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)



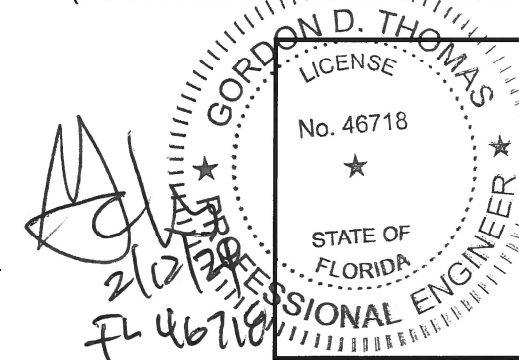
DETAIL **F2**

LOCK OPTION #2

MORTISE LOCK W/DEADBOLT
(FOR PANEL STIFFENER OPTIONS SEE SHEET 8)

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Miami-Dade Product Control



NO.	DATE	DESCRIPTION
1	10/18/2023	2023 FBC UPDATE

GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LM&SMI)

gensteeldoors

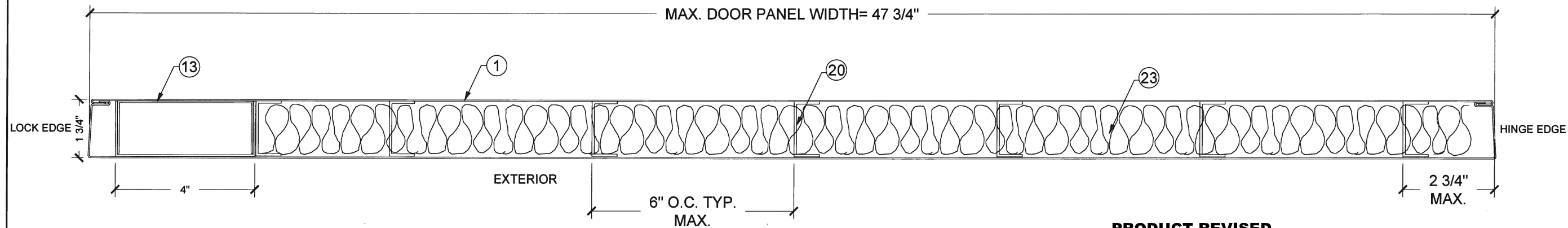
www.gensteeldoors.com

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

DATE	10/18/2023
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PROJECT	

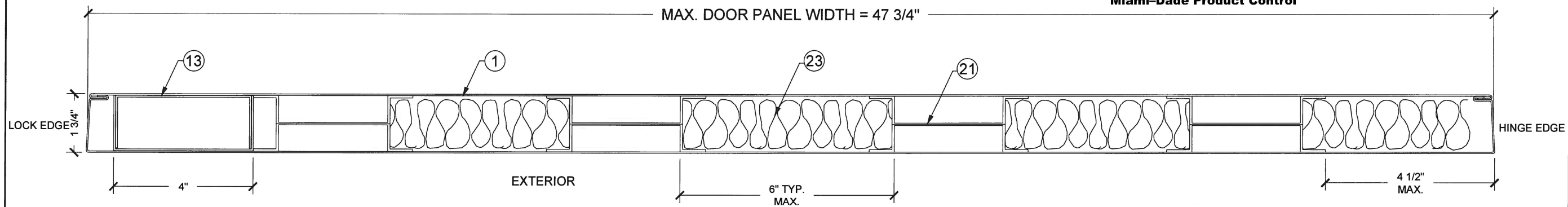
DRAWING NO.
AD15-35

SHEET 7 OF 12

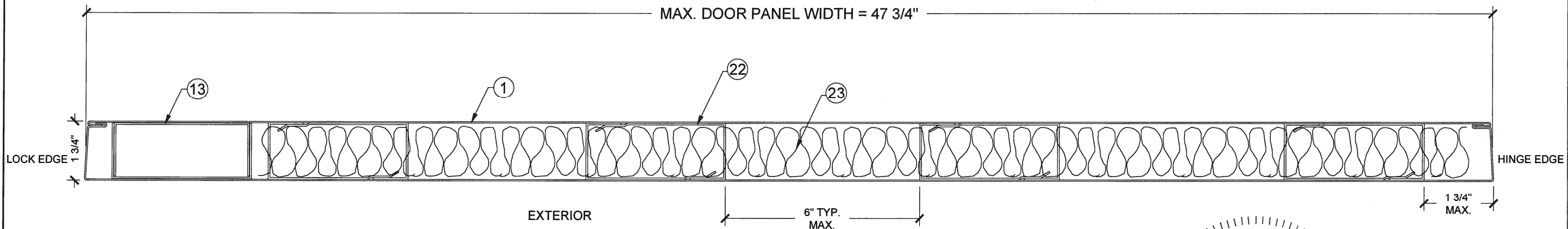


STIFFENER OPTION #1
20 GA LAMINATED STIFFENER

PRODUCT REVISED
as complying with the Florida
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NOA-No. **23-1207.09**
Expiration Date **10/02/2027**
By *Ishag I. Chande*
Miami-Dade Product Control



HAT STIFFENER OPTION #2
20 GA WELDED STIFFENER

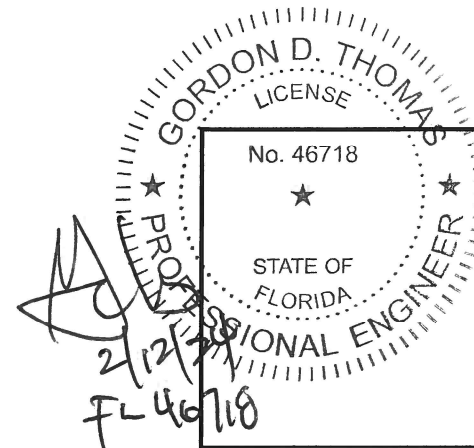


STIFFENER OPTION #3
20 GA WELDED STIFFENER

FOR ILLUSTRATION PURPOSES

NOTE:
STIFFENER OPTION #1,2 & 3 APPLICABLE
FOR ANY LOCK OPTION W/CORE OPTIONS

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Miami-Dade Product Control



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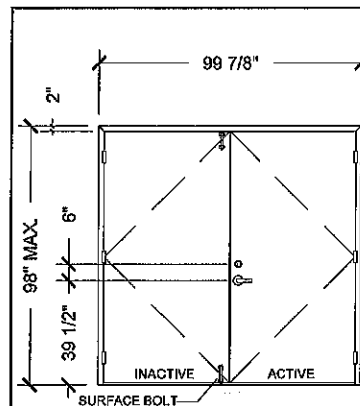
GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&SMI)

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www.gensteeldoors.com

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DRAWING NO.	AD15-35
SHEET	8 OF 12

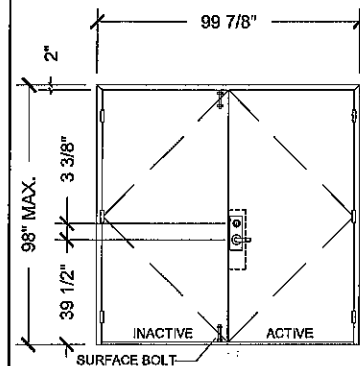


OPTION 1

DOUBLE DOOR

ACTIVE LEAF:
DOREX GX1L SURFACE MOUNT CYLINDER LOCK SET W/ (2) 12-24 X 2 5/8" FH MS AND (2) 8 X 1 1/4" FH MULTI THREAD SCREW,
DOREX GX1A SURFACE MOUNT METALLIC DEADBOLT W/ (2) 10-32 X 1 1/2" OH MS AND (2) 8 X 3/4" FH MULTI THREAD SCREW

INACTIVE LEAF:
IVES SB360 SURFACE BOLT W/ (4) 10-24 X 1 1/4" OH MS (TOP & BOTTOM),
(2) FLUSH MOUNT METALLIC STRIKE PLATE EACH W/ (2) 8 X 3/4" FH MULTI THREAD SCREW

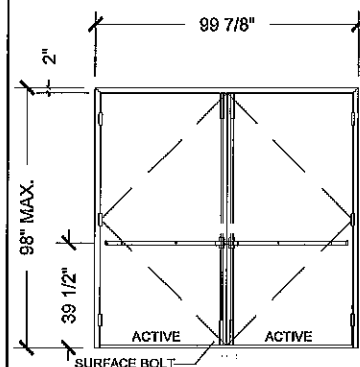


OPTION 2

DOUBLE DOOR

ACTIVE LEAF:
DOREX DM45L MORTISE LOCK W/DEADBOLT SERIES LOCK SET W/(2) 12 X 3/4" FH MULTI THREAD SCREW
HANDLE W/(2) #8-32 X 7/8" FH MS,
KEY OPERATOR W/(2) 10X3/4" FH SDS

INACTIVE LEAF:
IVES SB360 SURFACE BOLTS (TOP & BOTTOM) W/ (4) 10-24 X 1 1/4" OH MS
STRIKE FOR LOCKSET W/(2) 10 X 3/4" FH MULTI THREAD SCREW



OPTION 3

DOUBLE DOOR

OPTION 3.1

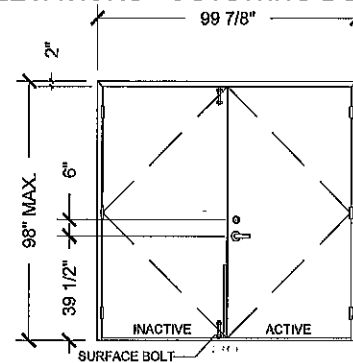
ACTIVE LEAF/INACTIVE LEAF:
DOREX 9500 FV SERIES SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM W/ ACTIVATING PANIC DEVICE AND VERTICAL RODS ON INTERIOR W/(4) 10-24 X 1 1/4" OH MS;
(2) 10-24 X 1" PH SELF DRILLING MS;
(1) SURFACE MOUNT METALLIC STRIKE PLATE (#9500A5227) AT FRAME HEAD ATTACHED W/(2) 10-24 X 3/4" FH MS;
(1) SURFACE MOUNT METALLIC STRIKE PLATE (#9500A5233) AT THRESHOLD ATTACHED W/(2) 10 X 1" FH SMS

OPTION 3.2

ACTIVE LEAF/INACTIVE LEAF:
STRIKE FOR LOCKSET,
DORMA 9400 SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM W/ACTIVATING PANIC DEVICE AND VERTICAL RODS ON INTERIOR W/ (4) 12-24 X 1 1/2" FH MS; (2) 12-24 X 3/4" PH MS;
(2) 12-24 X 3/4" OH MS AND SEX BOLT;
(1) SURFACE MOUNT METALLIC STRIKE PLATE (#426)AT FRAME HEAD ATTACHED W/(2) 12-14 X 3/4" OH MS;(1) SURFACE MOUNT METALLIC STRIKE PLATE (#439) AT THRESHOLD ATTACHED WITH SILICONE

LOCK OPTIONS

EXTERIOR ELEVATIONS - OUTSWING DOORS



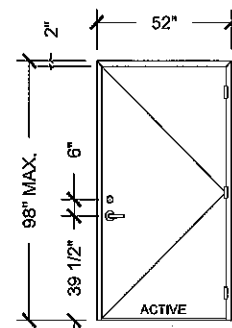
OPTION 4

DOUBLE DOOR

ACTIVE LEAF:
DORMA CL700 CYLINDRICAL LOCKSET W/(2) 8-32 X 1 3/8" PH MS AND (2) 8 X 3/4" FH MULTI THREAD SCREW
DORMA DB660 MORTISE DEADBOLT W/ (2)10-32 X 2 9/16" OH MS AND (2) 8 X 3/4" FH MULTI THREAD SCREW

INACTIVE LEAF:

IVES SB360 SURFACE BOLTS (TOP & BOTTOM) W/ (4) 10-24 X 1 1/4" OH MS
DEADBOLT STRIKE PLATE W/(2) 8 X 3/4" FH MULTI THREAD SCREW
STRIKE PLATE W/ (2) 12X1" FH MULTI THREAD SCREW

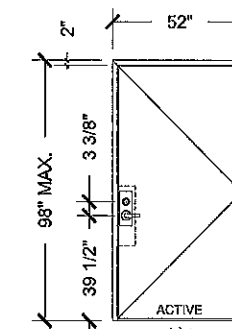


OPTION 1

SINGLE DOOR

ACTIVE LEAF:
DOREX GX1L SURFACE MOUNT CYLINDER LOCK SET W/(2) 12-24 X 2 5/8" FH MS AND (2) 8 X 1 1/4" FH MULTI THREAD SCREW,
DOREX GX1A SURFACE MOUNT METALLIC DEADBOLT W/(2) 10-32 X 1 1/2" OH MS AND (2) 8 X 3/4" FH MULTI THREAD SCREW

AT FRAME JAMB:
(2) FLUSH MOUNT METALLIC STRIKE PLATE EACH W/(2) 8 X 3/4" FH MULTI THREAD SCREW



OPTION 2

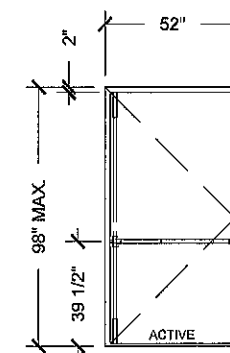
SINGLE DOOR

ACTIVE LEAF:
DOREX DM45L SERIES LOCK SET W/ (2)12 X 3/4" FH MULTI THREAD SCREW
HANDLE W/(2) #8-32 X 7/8" FH MS,
KEY OPERATOR W/(2) 10X3/4" FH SDS,

AT FRAME JAMB:
(2) FLUSH MOUNT METALLIC STRIKE PLATE EACH W/(2) 8 X 3/4" FH MULTI THREAD SCREW
STRIKE FOR LOCKSET W/(2) 10X3/4" FH MULTI THREAD SCREW.

PRODUCT REVISED
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By Ishag I. Chande
Miami-Dade Product Control

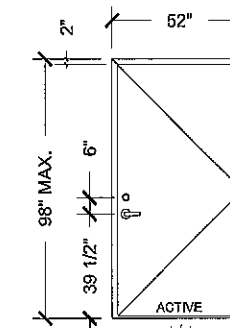
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NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By Manuel Perez
Miami-Dade Product Control



OPTION 3

SINGLE DOOR

ACTIVE LEAF:
DOREX 9500 FV SERIES SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM W/ ACTIVATING PANIC DEVICE AND VERTICAL RODS ON INTERIOR W/(4) 10-24 X 1 1/4" OH MS;(2) 10-24 X 1" PH SELF DRILLING MS;
(1) SURFACE MOUNT METALLIC STRIKE PLATE (#9500A5227) AT FRAME HEAD ATTACHED W/(2) 10-24 X 3/4" FH MS;
(1) SURFACE MOUNT METALLIC STRIKE PLATE(#9500A5233) AT THRESHOLD ATTACHED W/(2) 10X1" FH MS

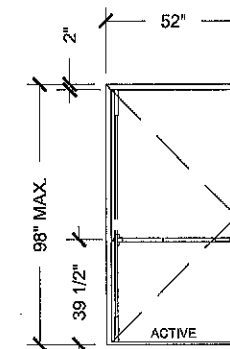


OPTION 4

SINGLE DOOR

ACTIVE LEAF:
DORMA CL700 CYLINDRICAL LOCKSET W/(2) 8-32 X 1 3/8" PH MS AND (2) 8X3/4" FH MULTI THREAD SCREW
DORMA DB660 MORTISE DEADBOLT W/ (2) 10-32 X 2 9/16" OH MS AND (2) 8 X 3/4" FH MULTI THREAD SCREW.

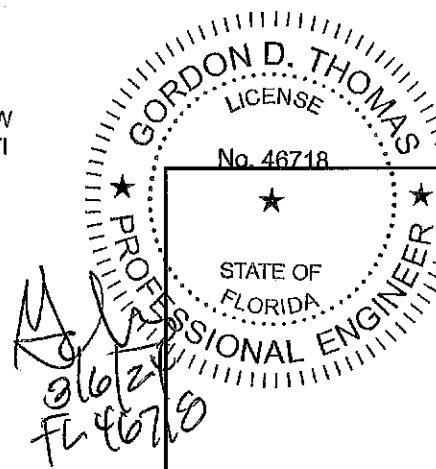
AT FRAME JAMB:
DEADBOLT STRIKE PLATE W/(2) 8 X 3/4" FH MULTI THREAD SCREW
STRIKE PLATE W/(2) 12 X 1" FH MULTI THREAD SCREW



OPTION 5

SINGLE DOOR

ACTIVE LEAF:
DORMA 9400 SURFACE MOUNT METALLIC 2 POINT LOCK SYSTEM W/ ACTIVATING PANIC DEVICE AND VERTICAL RODS ON INTERIOR W/(4) 12-24 X 1 1/2" FH MS; (4) 12-24 X 3/4" PH MS; (2) 12-24 X 3/4" OH MS AND SEX BOLT;
(1) SURFACE MOUNT METALLIC STRIKE PLATE (#439) AT THRESHOLD ATTACHED WITH SILICONE

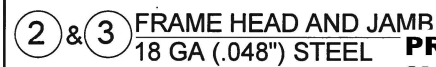


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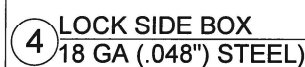
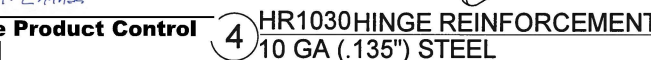
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PROJECT	

DRAWING NO.	AD15-35
SHEET	9 OF 12



NOA-No. 23-1207.15
Expiration Date 10/02/2027

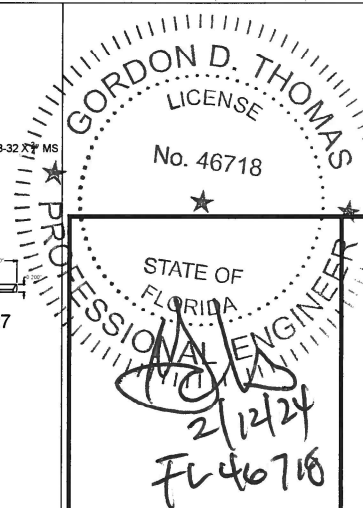
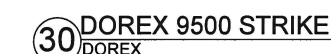
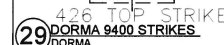
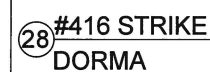
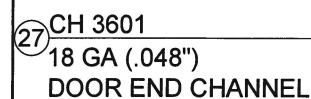
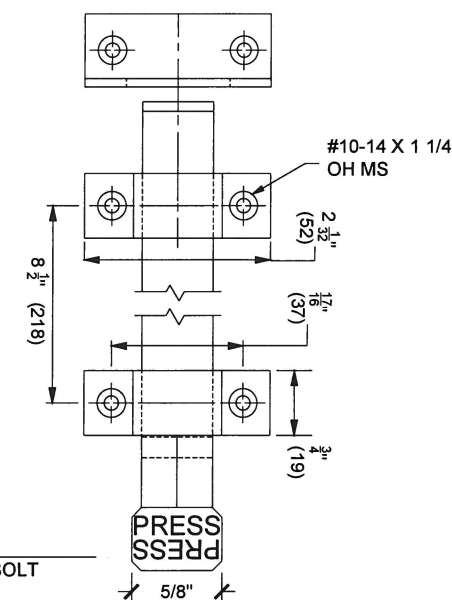
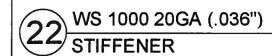
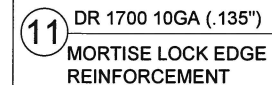
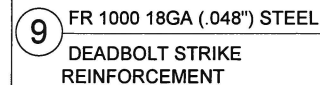
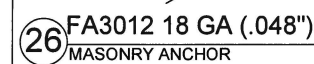
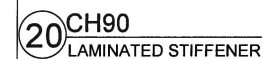
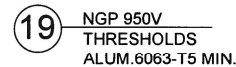
By Ishag I. Chande
Miami-Dade Product Control



PRODUCT REVISED
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Building Code

NOA-No. 23-1207.09
Expiration Date 10/02/2027

By Ishag I. Chande
Miami-Dade Product Control



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GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&SMI)

FORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LMI&S)

4950 Hickmore, St. Laurent, Quebec, Canada H4T 1K6

Tel: 514.733.3562
Fax: 514.733.1932

Fax: 514.733.1932
www.gensteeldoors.com

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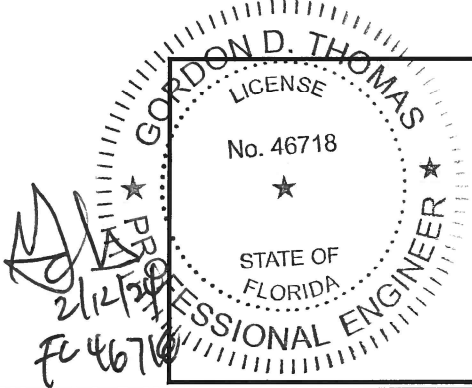
SHEET 10 OF 12

BILL OF MATERIAL

ITEM	PART NO.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER/SUPPLIER/REMARKS
1	—	STEEL OR ST/ST	2 PER PANEL	DOOR PANEL SKIN	GENSTEEL 20GA.(0.038"MIN.)Fy=50 KSI MIN. Fu=53 KSI MIN.
2	—	STEEL OR ST/ST	1	FRAME HEAD 5 7/8" X2	GENSTEEL 18GA.(0.048"MIN.)Fy=50 KSI MIN. Fu=53 KSI MIN.
3	—	STEEL OR ST/ST	2	FRAME JAMB 5 7/8" X2	GENSTEEL 18GA.(0.048"MIN.)Fy=50 KSI MIN. Fu=53 KSI MIN.
4	HR 1030	STEEL	4 PER LEAF	HINGE REINFORCEMENT	GENSTEEL 10GA.(0.135"MIN.), SPOT WELDED TO FRAME AND DOOR
5	HR 2000	STEEL	4 PER LEAF	HINGE DUST BOX	GENSTEEL 20GA.(0.036"MIN.), SPOT WELDED
6	DR 1600	STEEL	AS REQD	CYLINDRICAL LOCK AND DEADBOLT REINFORCEMENT ASSEMBLY	GENSTEEL 20GA.(0.036"MIN.), SPOT WELDED
7	HINGE	STEEL	4 PER LEAF	4 1/2" LONG HINGE	HAGER USA 0.134" MIN. THICKNESS
8	FR 1100	STEEL	AS REQD	ASA STRIKE BOX	GENSTEEL 18GA.(0.048"MIN.)W/(2) 12X7/8" FH MULTI THREAD SCREWS
9	FR 1000	STEEL	AS REQD	DEAD BOLT STRIKE REINFORCEMENT	GENSTEEL 18GA.(0.048"MIN.)W/(2) 8X3/4" FH MULTI THREAD SCREWS
10	IVES SB360	STEEL	AS REQD	SURFACE BOLTS AT INACTIVE PANEL	IVES
11	DR1700	STEEL	AS REQD	MORTISE LOCK EDGE REINFORCEMENT WELDED	GENSTEEL 10GA.(0.135"MIN.), SPOT WELDED
12	DR1010	STEEL	AS REQD	MORTISE BOX REINFORCEMENT	GENSTEEL 18GA.(0.048"MIN.)
13	—	STEEL	AS REQD	18 GA LOCK SIDE BOX REINFORCEMENT FULL LENGTH	(AT ACTIVE/INACTIVE STILES) GENSTEEL 18GA (0.048" MIN.)
14	NGP 106S	ALUMINUM	3	PERIMETER GASKET	NATIONAL GUARD PRODUCTS W/#6 X3/4" FH SMS 10" O.C.
15	NGP 362	NEOPRENE	3	NEOPRENE TAPE	NATIONAL GUARD PRODUCTS
16	NGP 5050C	SILICONE	3	ADHESIVE GASKET	NATIONAL GUARD PRODUCTS
17	NGP 109NA	ALUMINUM	AS REQD	MEETING ASTRAGAL	NATIONAL GUARD PRODUCTS W/#6 X5/8" FH SMS 6" O.C.
18	NGP 200NA	ALUMINUM	1 PER PANEL	DOOR BOTTOM SWEEP	NATIONAL GUARD PRODUCTS W/#6 X3/4" FH SMS 8" O.C.
19	NGP 950V	ALUMINUM	1 PER PANEL	BUMPER THRESHOLD W/VINYL BULB	NATIONAL GUARD PRODUCTS
20	CH 90	STEEL	AS REQD	20 GAUGE LAMINATED STIFFENERS	GENSTEEL 20GA.(0.036"MIN.)
21	WS 2000	STEEL	AS REQD	20 GAUGE WELDED STIFFENERS (HAT SECTION)	GENSTEEL 20GA.(0.036"MIN.).SPOT WELDED TO BOTH DOOR SKINS
22	WS 1000	STEEL	AS REQD	20 GAUGE WELDED STIFFENERS	GENSTEEL 20GA.(0.036"MIN.).SPOT WELDED TO BOTH DOOR SKINS
23	CORE (OPTION1)	HONEYCOMB	AS REQD	HONEYCOMB CORE INSIDE DOOR PANEL W/STIFFENERS	GENSTEEL
	CORE (OPTION2)	FIBERGLASS	AS REQD	FIBERGLASS CORE INSIDE DOOR PANEL W/STIFFENERS	JOHNS MANVILLE
	CORE (OPTION3)	POLYURETHANE	AS REQD	POLYURETHANE CORE INSIDE DOOR PANEL W/STIFFENERS	JOHNS MANVILLE
	CORE (OPTION4)	POLYSTYRENE	AS REQD	POLYSTYRENE CORE INSIDE DOOR PANEL W/STIFFENERS	LEGERLITE
	CORE (OPTION5)	ROCKWOOL	AS REQD	ROCKWOOL CORE INSIDE DOOR PANEL W/STIFFENERS	ROXUL
24	FA 3010	STEEL	AS REQD	BUTTERFLY MASONRY ANCHOR	GENSTEEL
25	FA 3030	STEEL	AS REQD	MASONRY WIRE ANCHOR 0.173 DIA	GENSTEEL
26	FA 3012	STEEL	AS REQD	MASONRY ANCHOR BRACKET	GENSTEEL
27	CH 3601	STEEL	2 PER PANEL	13/16" X 1-5/8" X 13/16" X 18GA DOOR END FULL WIDTH CHANNEL	GENSTEEL 18GA.(0.048"MIN.).PROGRESSION WELDED TO BOTH DOOR SKINS
28	416	STEEL	AS REQD	STRIKE PLATE	DORMA
29	426 (TOP), 439 (BOTTOM)	STEEL	AS REQD	DORMA 9400 STRIKE PLATES	DOEMA
30	9500AS223 (TOP) 9500AS227 (BOTTOM)	STEEL	AS REQD	DOREX 9500 STRIKE PLATES	DOREX

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1207.09
Expiration Date 10/02/2027
By Ishag I. Chank
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0415.03
Expiration Date: 04/21/2031
By: Manuel Perez
Miami-Dade Product Control



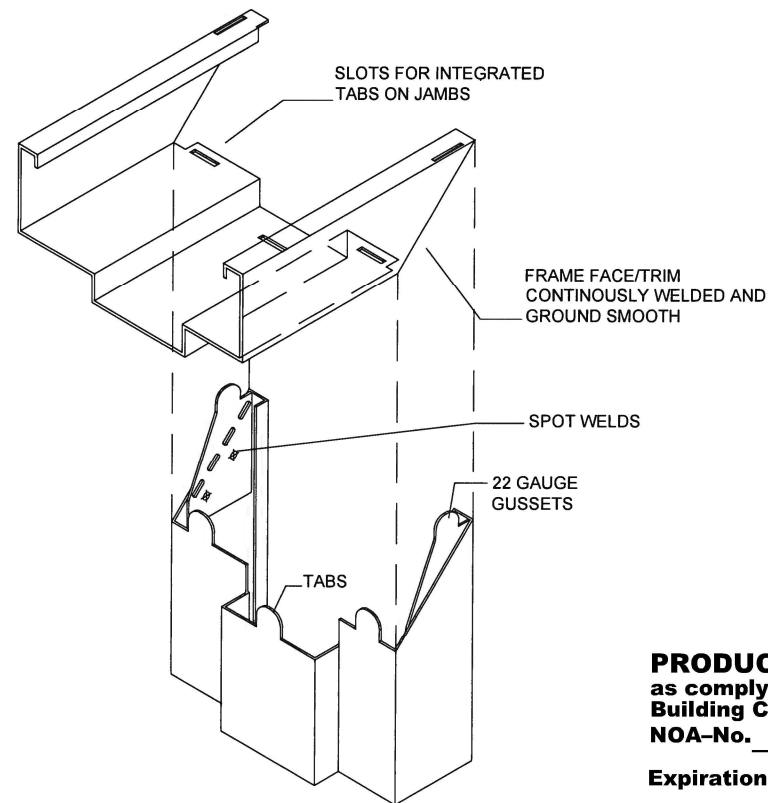
REVISIONS		DATE	DESCRIPTION
NO.	DATE	10/18/2023	2023 FBC UPDATE
1			

GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LM&SMI)

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

DATE	10/18/2023
SCALE	NTS.
DRAWN	
PROJECT	

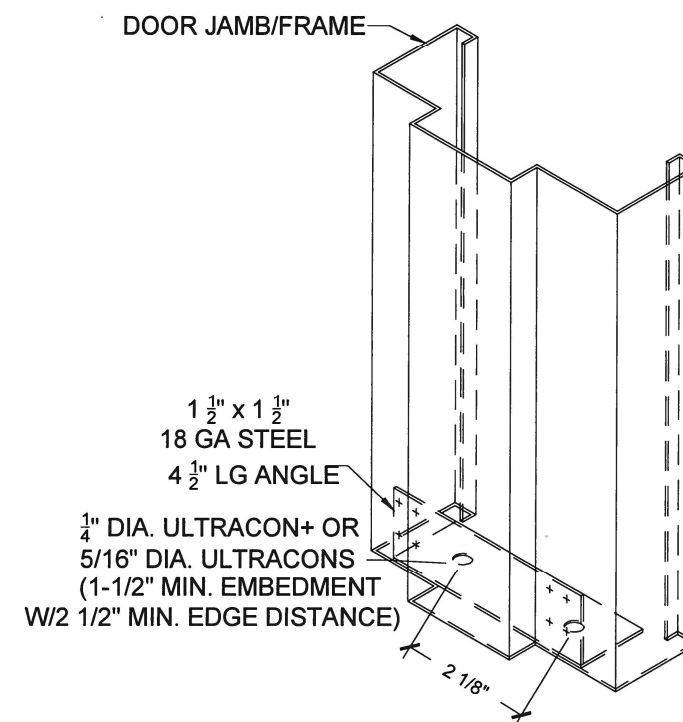
DRAWING NO.	AD15-35
SHEET	11 OF 12



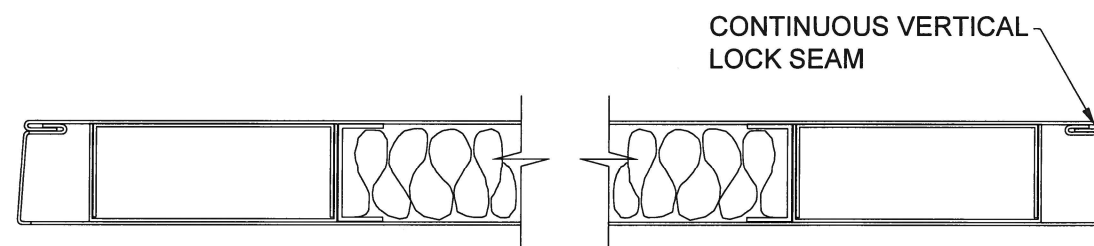
CORNER ASSEMBLY

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1207.09**
Expiration Date **10/02/2027**

By Ishaq I. Chande
Miami-Dade Product Control

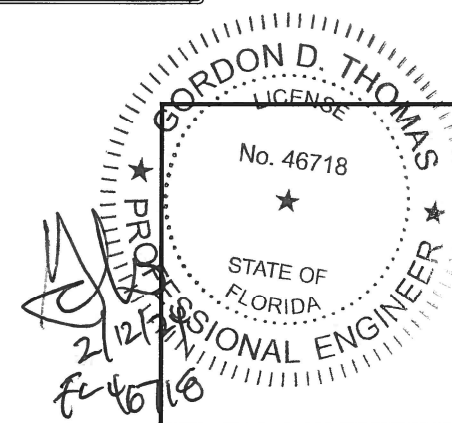


BOTTOM CORNER ANCHOR DETAIL
OPTIONAL



DOOR EDGE CONSTRUCTION
FOR ILLUSTRATION PURPOSES

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0415.03**
Expiration Date: **04/21/2031**
By: Manuel Perez
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
1	10/18/2023
	2023 FBC UPDATE

GENSTORM OUTSWING 4888 HD OPAQUE STEEL DOOR (LM&SMI)

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DRAWN	
PROJECT	

DRAWING NO.
AD15-35

SHEET **12** OF **12**