



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**, 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., 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 total 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 #18-0116.19** 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

NOA No. 20-1230.06
Expiration Date: February 23, 2022
Approval Date: February 04, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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/ PEMO 177 AT)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
 - 7) Tensile Test, per ASTM A370-05

Along with marked-up drawings and installation diagram of Genstorm 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 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. 20-1230.06

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. **AD11-05**, 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.

3. New Evidence submitted

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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor

NOA No. 20-1230.06

Expiration Date: February 23, 2022

Approval Date: February 04, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

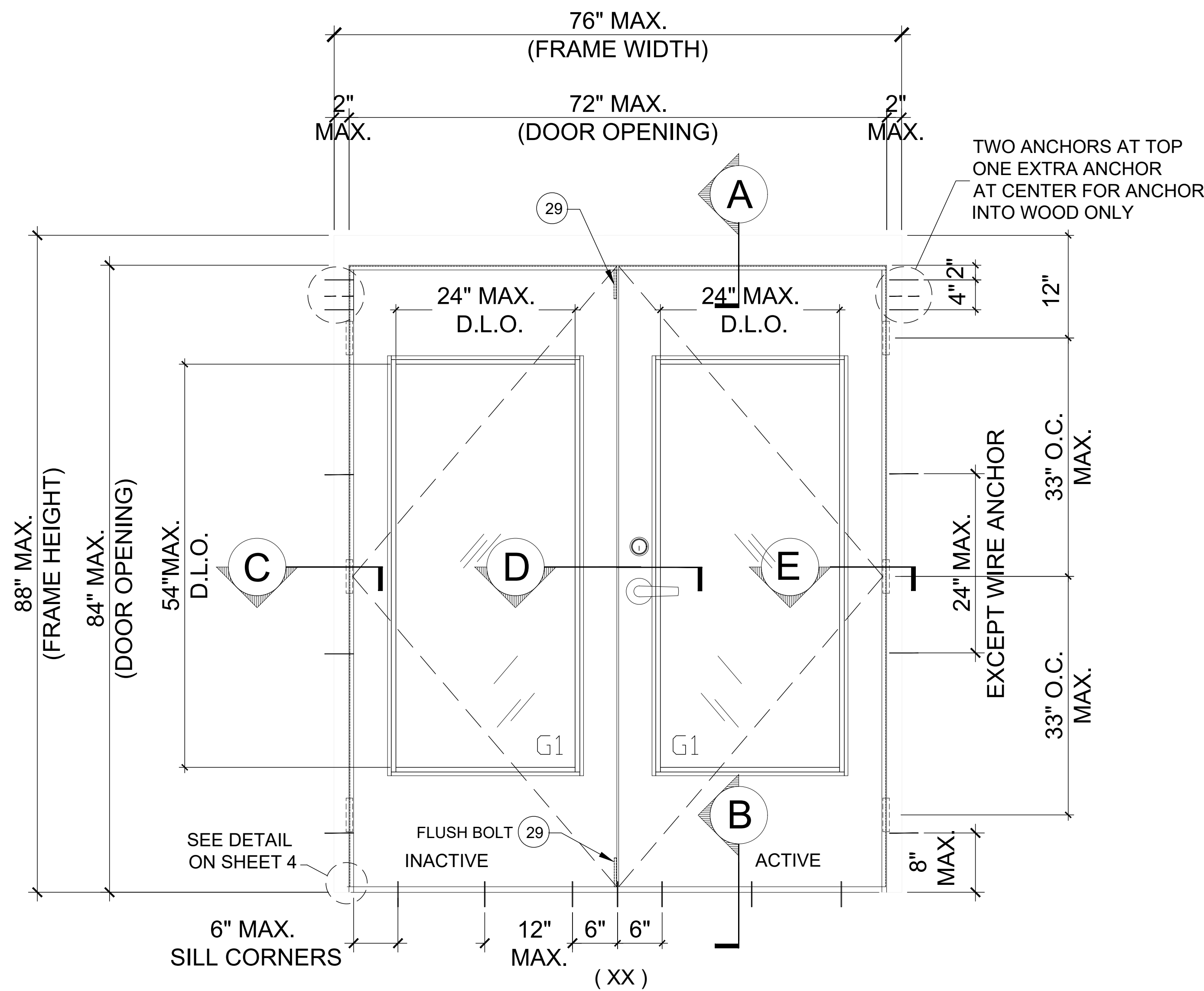
1. Statement letter of conformance to FBC 2020 (7th Edition), dated 12/24/20, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
2. Distribution agreement dated JAN 26, 2021 between Gensteel Doors, Inc., Canada & North American Door Corp, N.Y. (dba Gensteel Doors, LLC, USA), signed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

G. OTHER

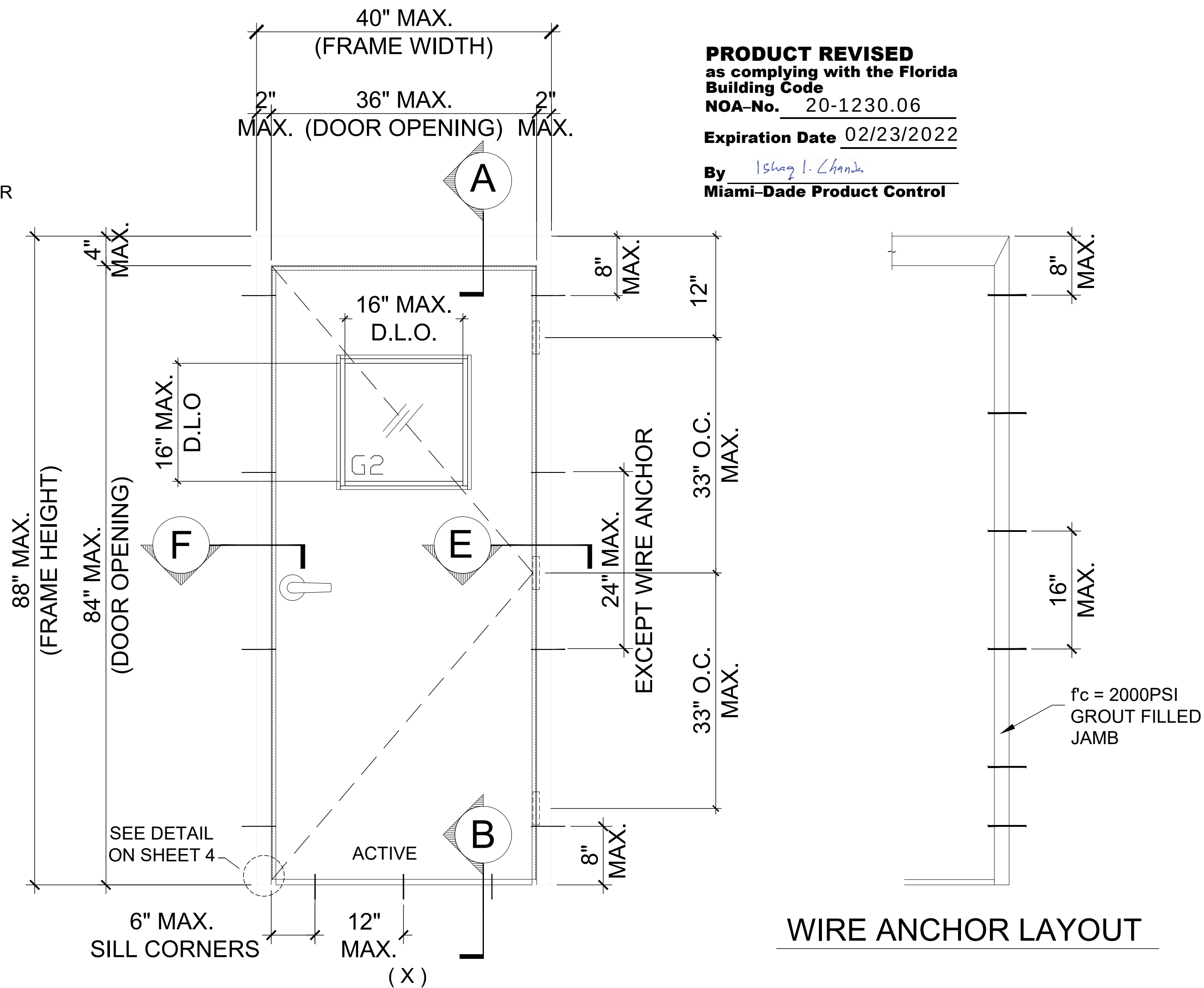
1. This NOA revises NOA #18-0116.19, expiring 02/23/22.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1230.06
Expiration Date: February 23, 2022
Approval Date: February 04, 2021



TYPICAL EXTERIOR ELEVATION
(DOUBLE PANEL INSWING DOOR)



TYPICAL EXTERIOR ELEVATION
(SINGLE PANEL INSWING DOOR)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By *Ishtay I. Chank*
Miami-Dade Product Control

WIRE ANCHOR LAYOUT

SERIES GENSTORM GLAZED 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.

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

MIAMI DADE COUNTY

December 24th, 2020

YIPING WANG
No 55983
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

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 GLAZED INSWING STEEL DOOR (LMI)

gensteeldoors

www.gensteeldoors.com

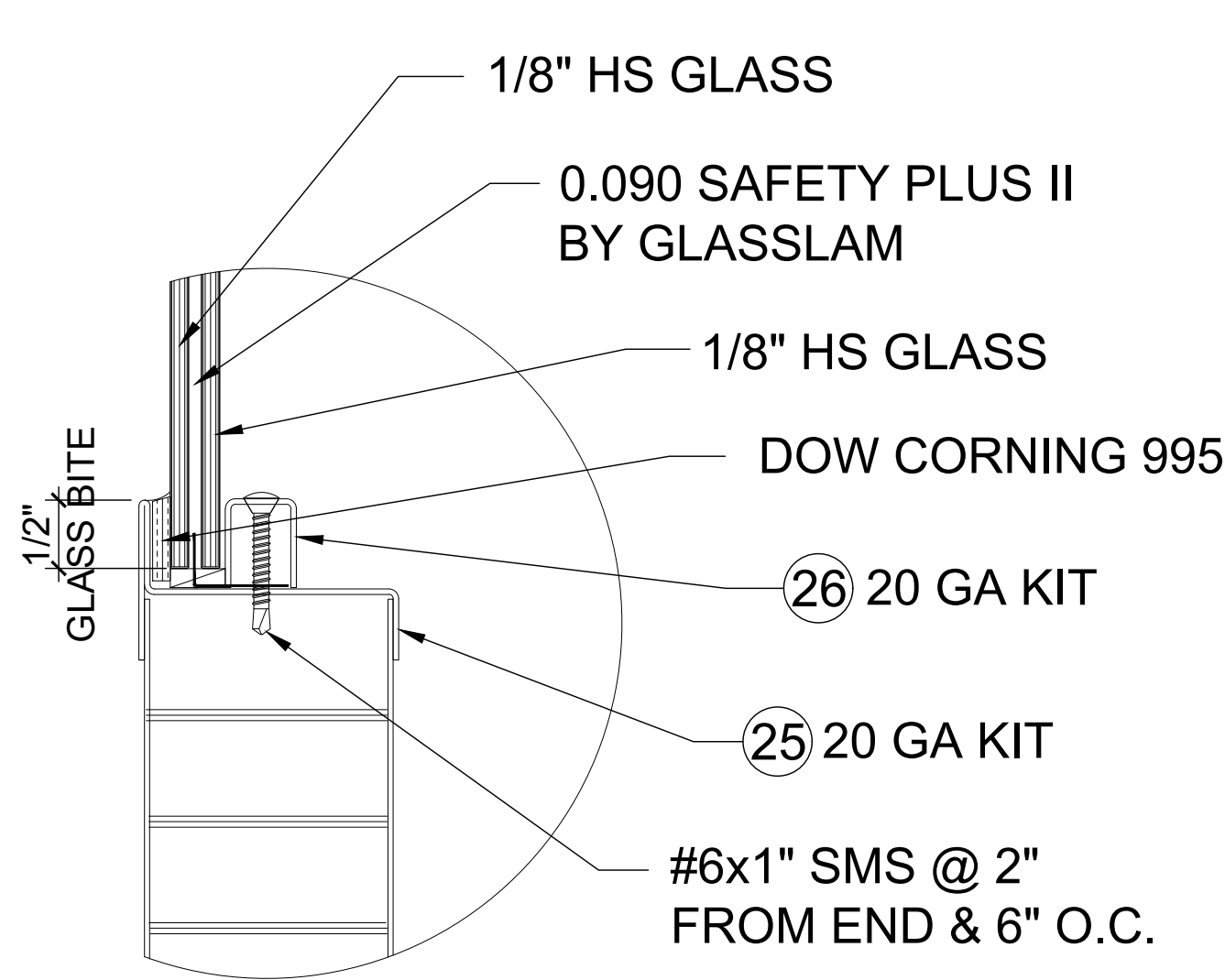
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932

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

DRAWING NO.
AD11-05

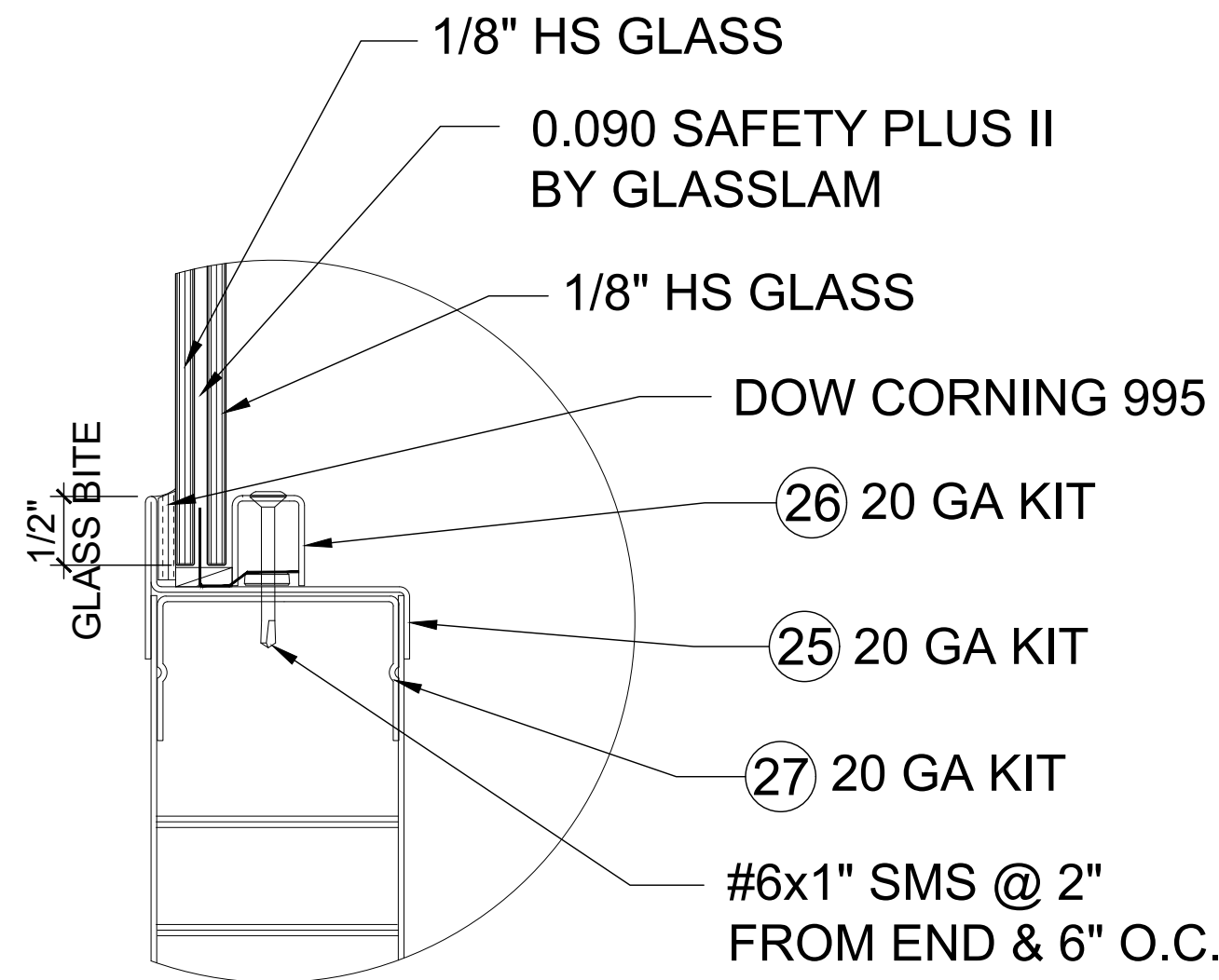
SHEET 1 OF 9

EXTERIOR SIDE



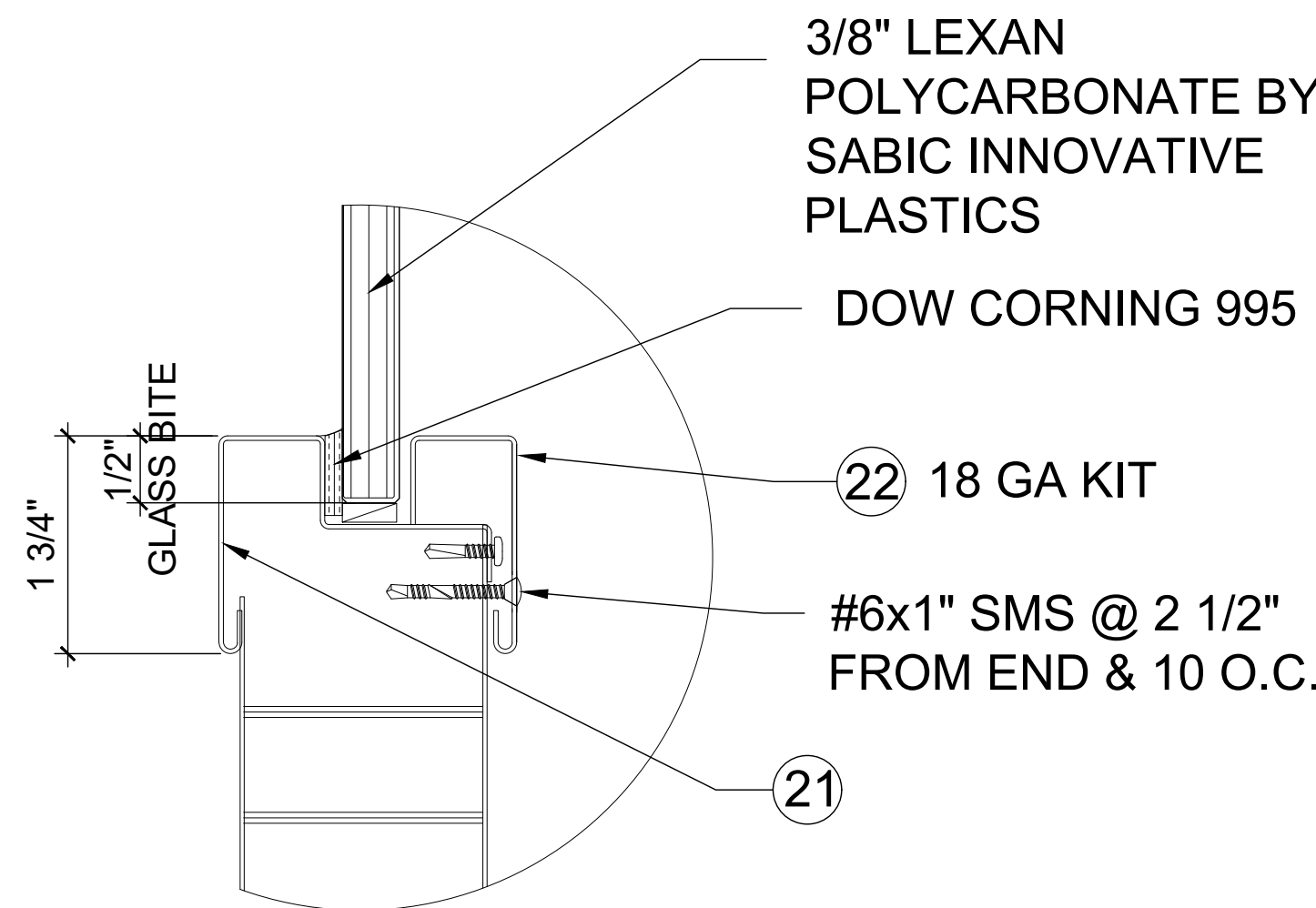
G1: GLASS TYPE "A"
WITH LITE KIT #3

EXTERIOR SIDE



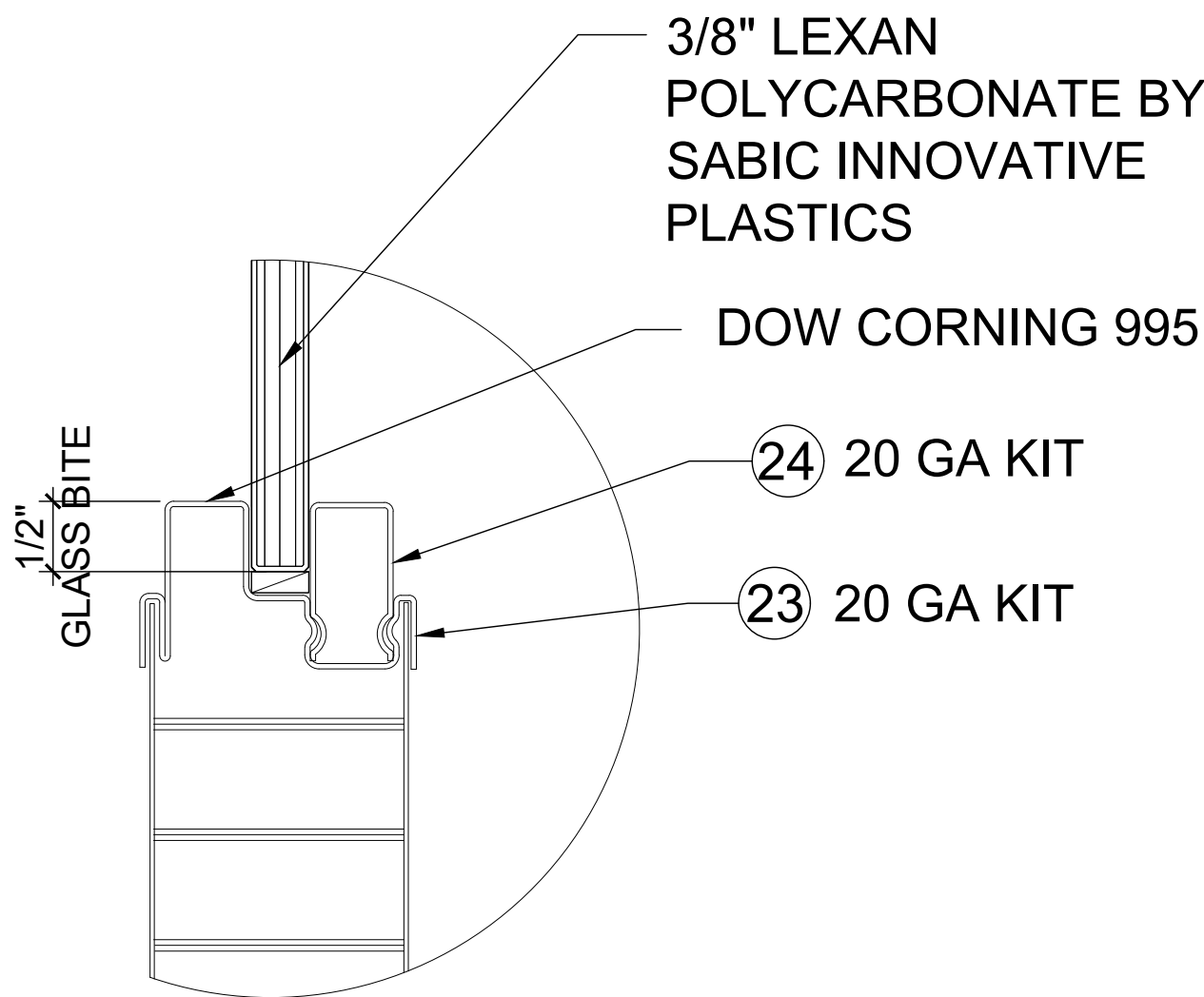
G1: GLASS TYPE "A"
WITH LITE KIT #4

EXTERIOR SIDE



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

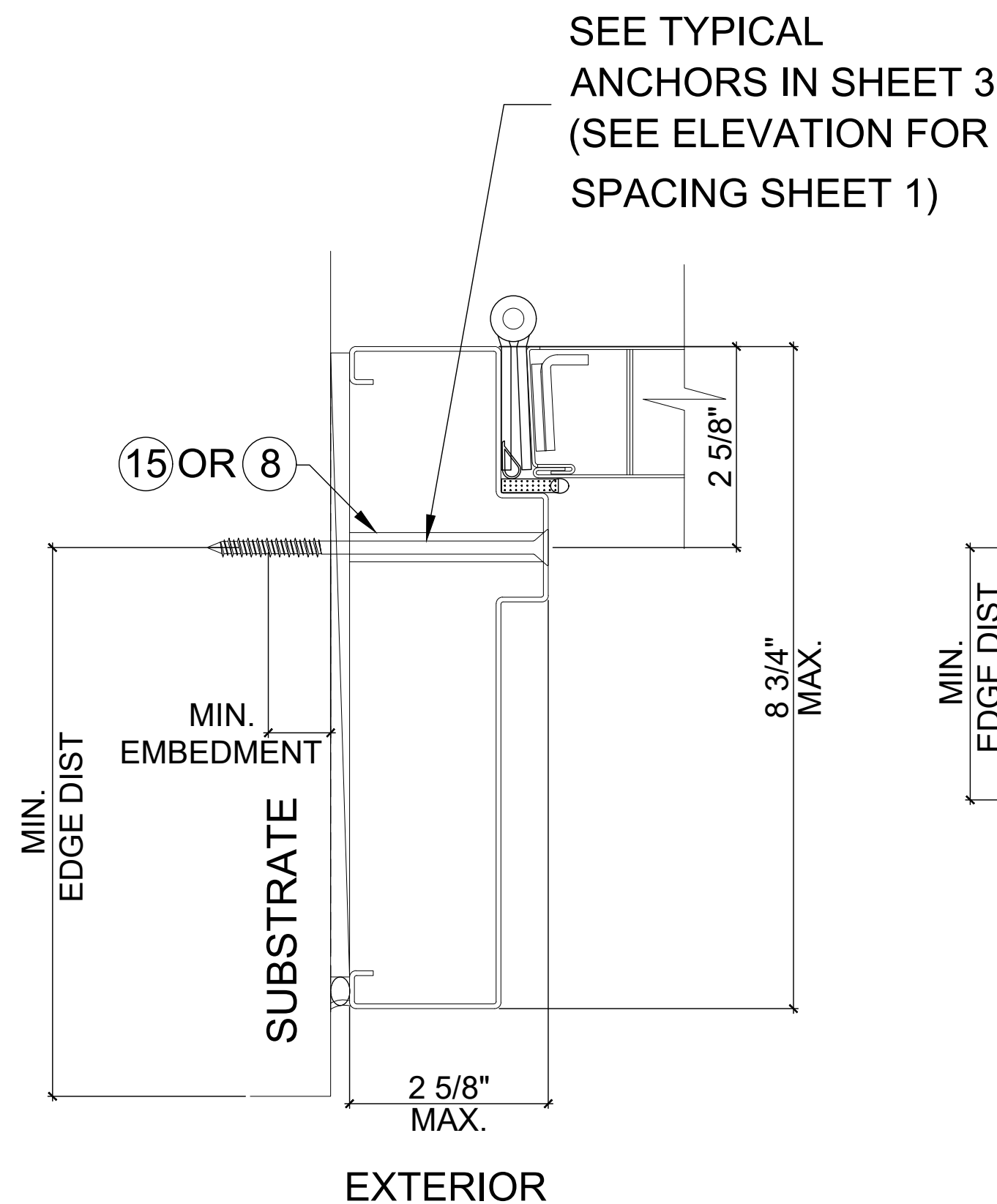
EXTERIOR SIDE



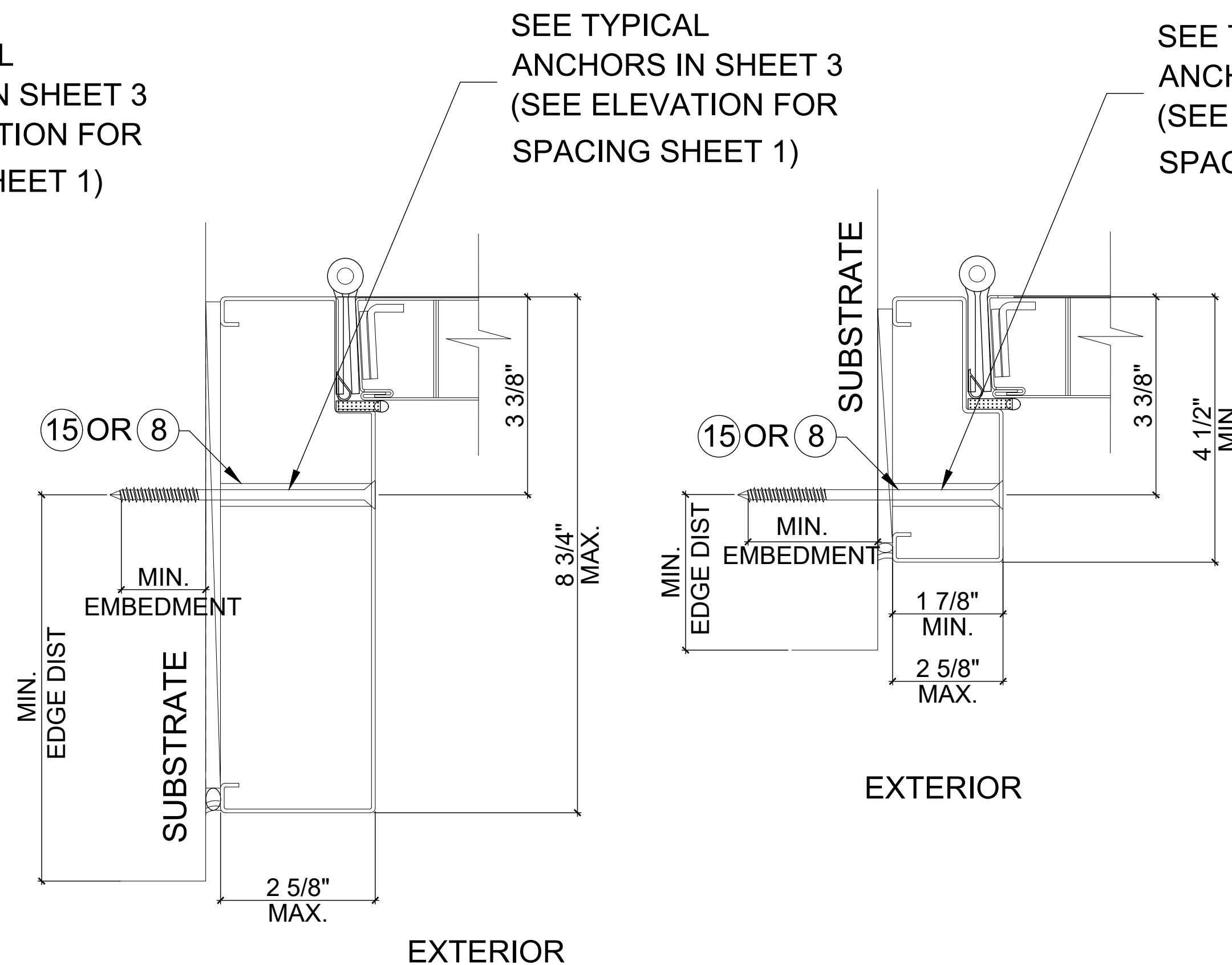
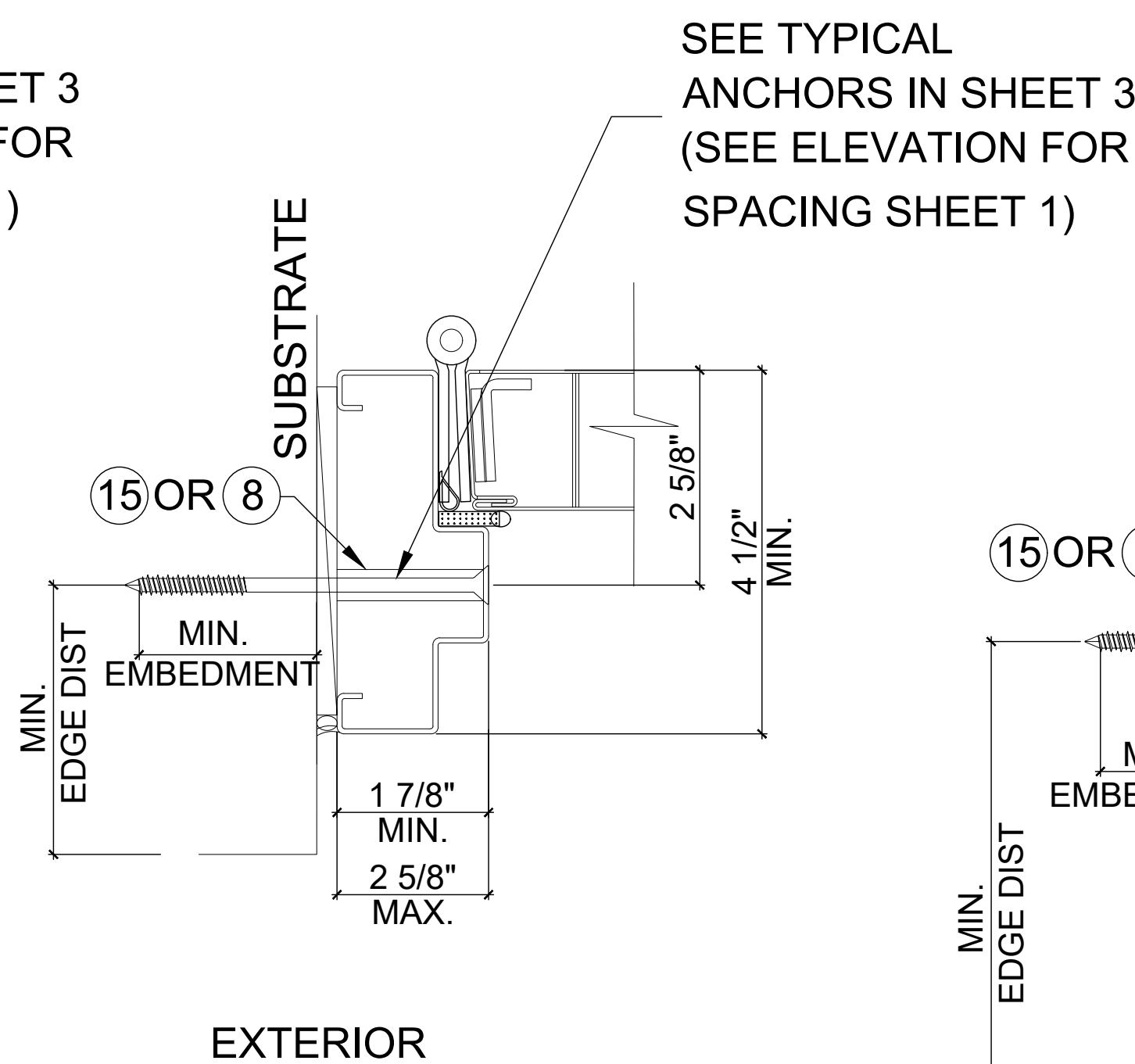
G2: GLASS TYPE "B"
WITH LITE KIT #2

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By *Ishag I. Chank*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By *Ishag I. Chank*
Miami-Dade Product Control



DOUBLE RABBET ANCHOR LOCATION



SINGLE RABBET ANCHOR LOCATION

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" X 16" 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

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

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

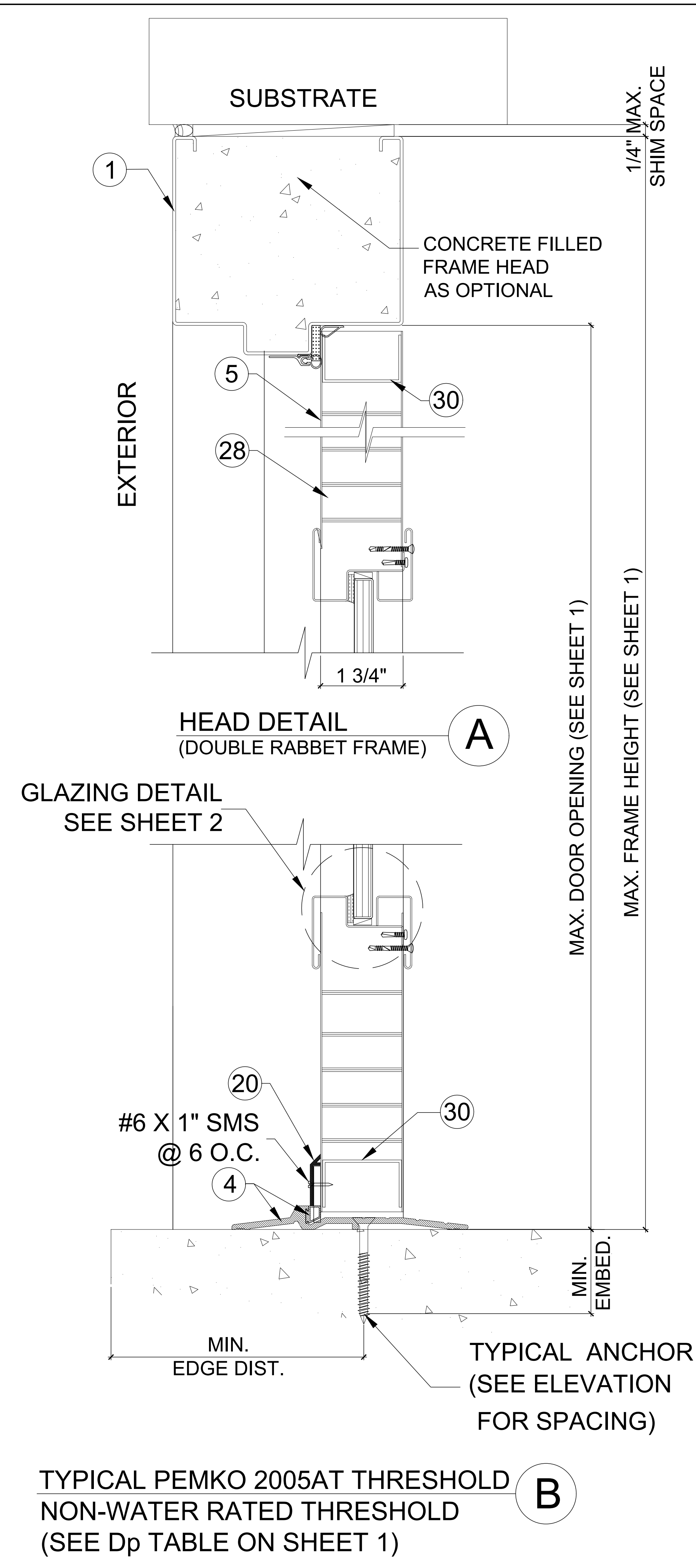
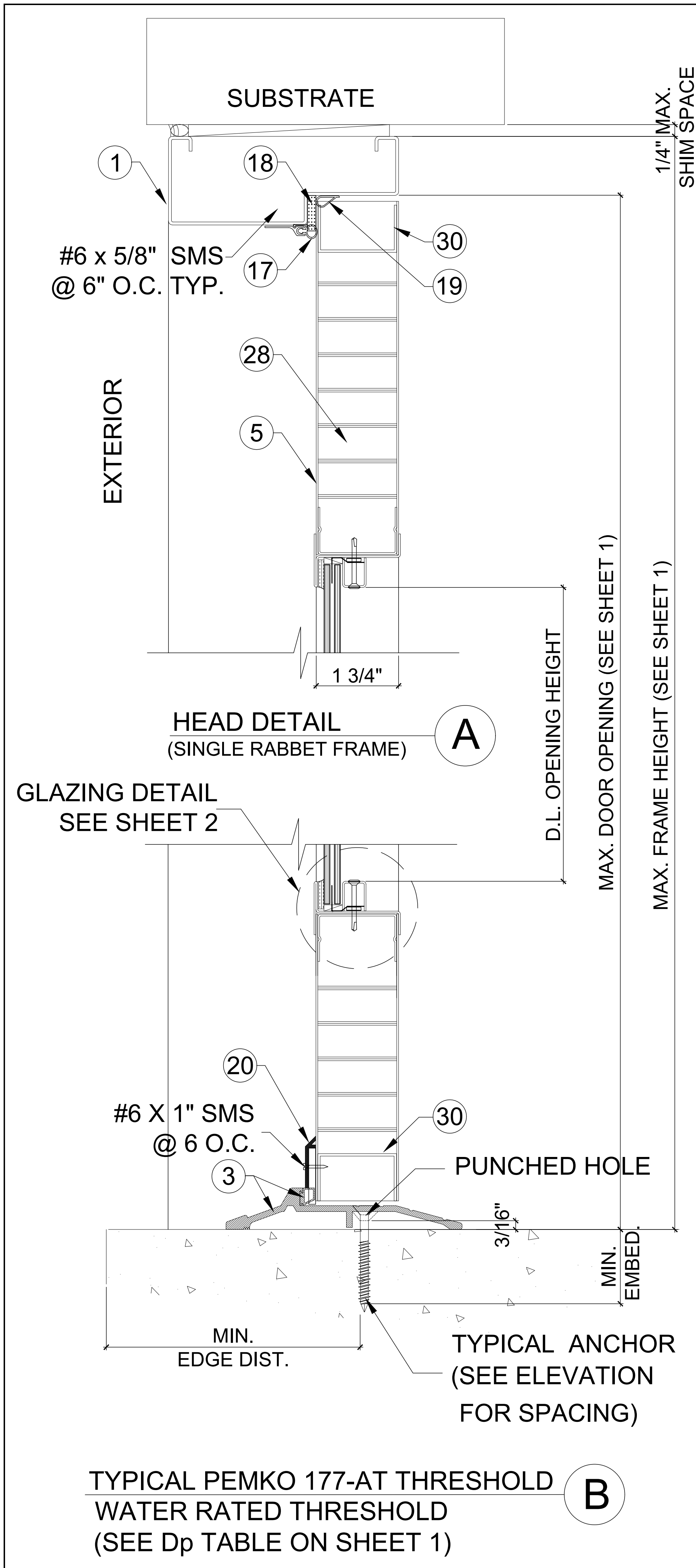
GENSTORM GLAZED INSWING STEEL DOOR (LMI)

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

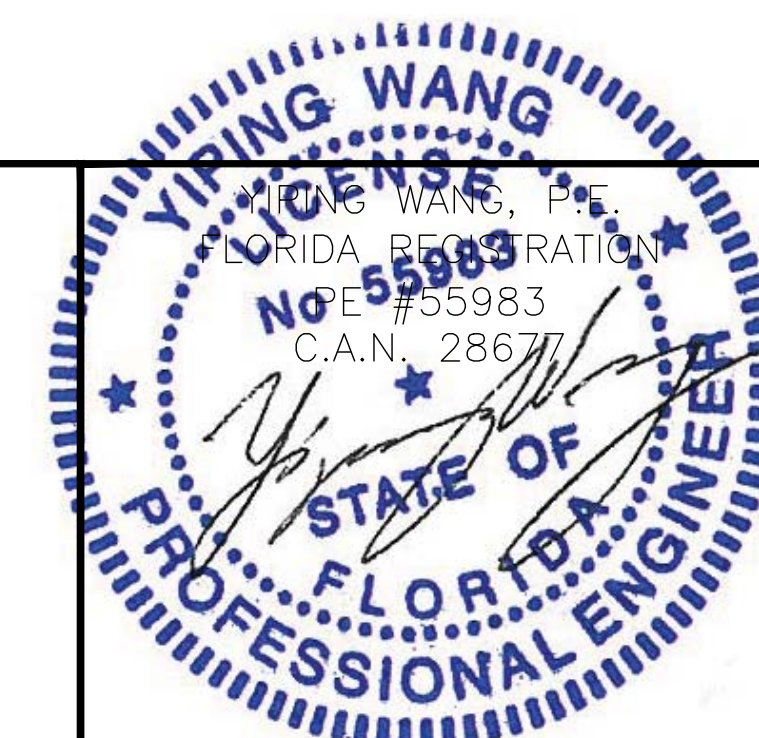
DRAWING NO.
AD11-05

SHEET 2 OF 9



- TYPICAL ANCHORS @ JAMB: (REFER TO ELEVATION FOR SPACING)**
- TYPE A.** 5/16" DIA. ULTRACON BY 'DEWALT' Fy=155 KSI Fu = 177 KSI
DIRECTLY INTO 2BY WOOD BUCK OR WOOD MEMBERS SG=0.55
1-1/2" MIN. EMBED,
1 1/2" MIN. EDGE DISTANCE
- DIRECTLY INTO GROUT FILLED CONCRETE BLOCK fc'=2000 PSI
DIRECTLY INTO fc'=3000 PSI CONCRETE
1-3/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE
- TYPE B.** 3/8" DIA. HLC SLEEVE ANCHOR BY 'HILTI'
DIRECTLY INTO fc'=3000 PSI CONCRETE, 3" MIN. EDGE DISTANCE
DIRECTLY INTO fc'=2000 PSI CONCRETE BLOCK, 3-1/2" MIN. EDGE DISTANCE
- 1-1/4" MIN. EMBED & 3-3/4" MIN. SPACING
- TYPE C.** 3/8" DIA. SLEEVE ANCHOR BY 'WEJ-IT'
DIRECTLY INTO fc'=4000 PSI CONCRETE, 2-3/8" MIN. EMBED
DIRECTLY INTO fc'=2000 PSI CONCRETE BLOCK, 1-1/4" MIN. EMBED
- 2-3/8" MIN. EDGE DISTANCE & 4" MIN. O.C. SPACING
- TYPE D.** 3/8" DIA. POWER BOLTS BY 'POWERS'
DIRECTLY INTO fc'=3000 PSI CONCRETE, 2-1/2" MIN. EMBED
DIRECTLY INTO fc'=1500 PSI CONCRETE BLOCK, 2" MIN. EMBED
- 3" MIN. EDGE DISTANCE & 4" MIN. SPACING
- TYPE E.** 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)
STEEL : Fy = 36 KSI MIN.
ALUMINUM : 6063-T5 MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
- TYPE J.** 3/8" POWER WEDGE BOLTS BY 'POWERS'
DIRECTLY INTO fc'=3000 PSI CONCRETE
1-1/2" MIN. EMBED & 4" MIN. SPACING
3-1/4" MIN. EDGE DISTANCE
- TYPE G.** WIRE ANCHOR (FA3030) (Fy = 60 ksi.), 10" LG.
0.173 DIA. STEEL WIRE ANCHORS EMBED INTO CONCRETE BLOCK
- TYPICAL ANCHORS @ THRESHOLD:**
- TYPE F.** 1/4" DIA. ULTRACON+ BY 'DEWALT' Fy = 148 KSI Fu = 164 KSI
5/16" DIA. ULTRACON BY 'DEWALT' Fy = 155 KSI Fu = 177 KSI
DIRECTLY INTO fc'=3000 PSI MIN. CONCRETE
1-1/2" MIN. EMBED & 3" MIN. SPACING
2-1/2" MIN. EDGE DISTANCE
- 1/4" DIA. TAPCON BY 'ITW' Fy = 90 KSI Fu = 120 KSI
DIRECTLY INTO fc'=3000 PSI MIN. CONCRETE
1-1/2" MIN. EMBED. & 4" MIN. SPACING
2-1/2" MIN. EDGE DISTANCE
- SEALANT:**
ALL FRAME JOINTS AND CORNERS TO BE SEALED
WITH SILICONE AT PERIMETER

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By Ishag I. Chandra
Miami-Dade Product Control



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

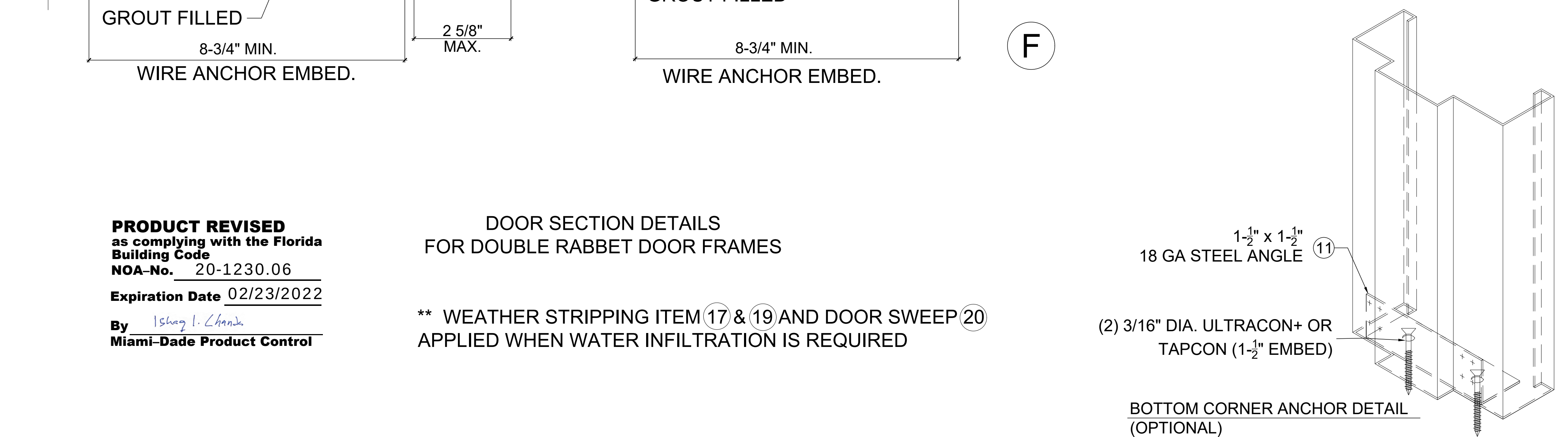
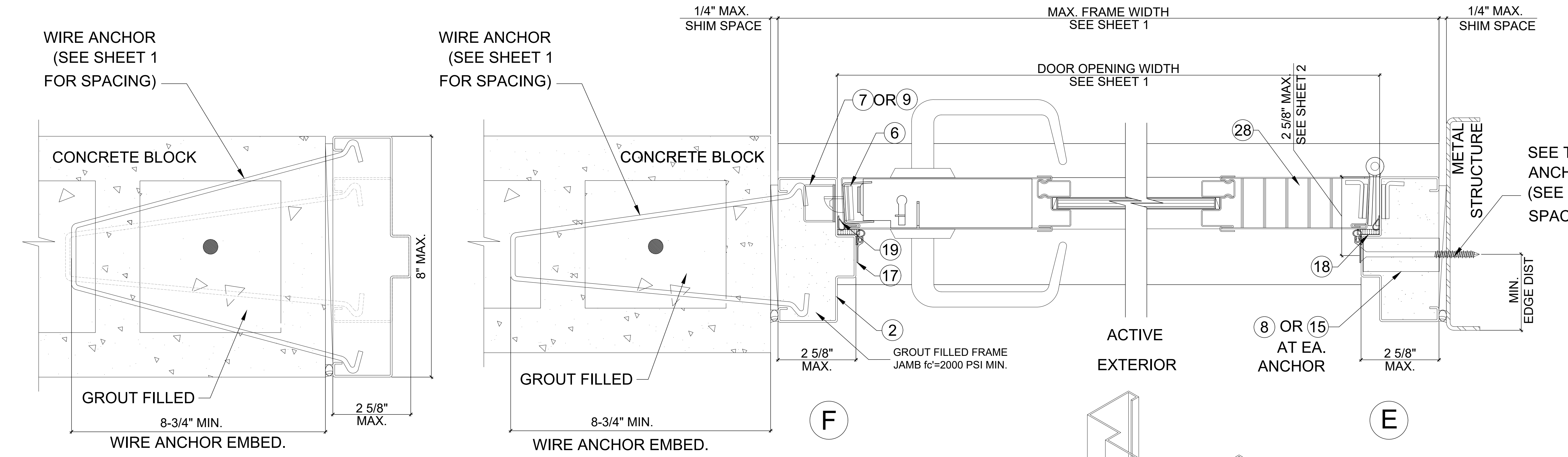
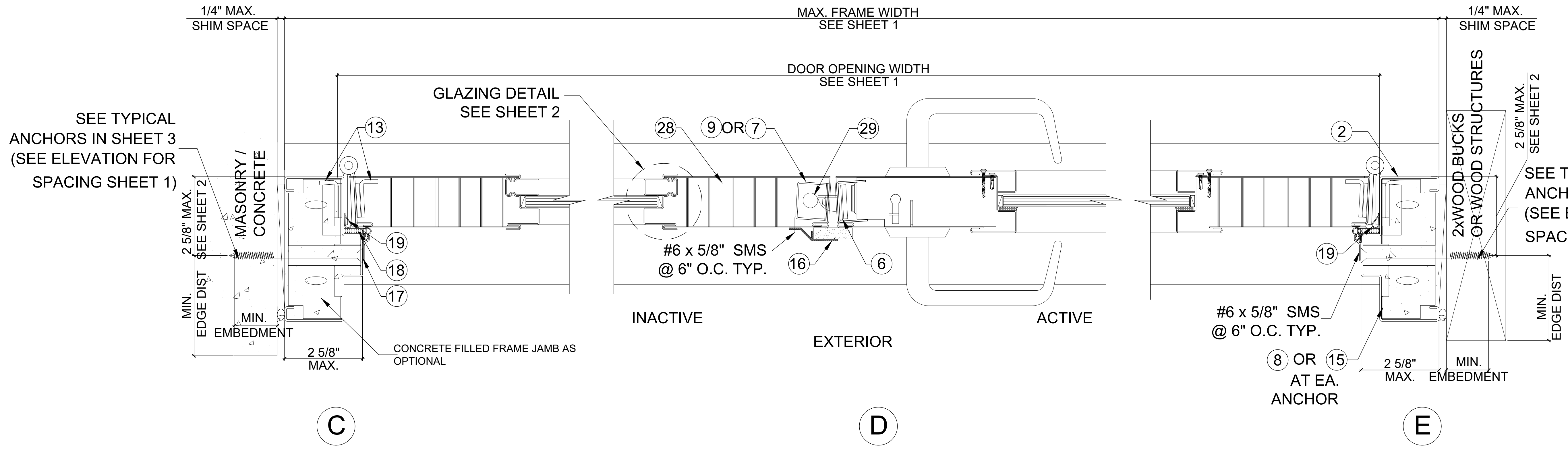
REVISIONS	DESCRIPTION
1	2014 FBC UPDATE
2	2020 FBC UPDATE

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

GENSTORM GLAZED 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.	AD11-05
SHEET 3 OF 9	



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By Ismael I. Chan
Miami-Dade Product Control

DOOR SECTION DETAILS
FOR DOUBLE RABBET DOOR FRAMES

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

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

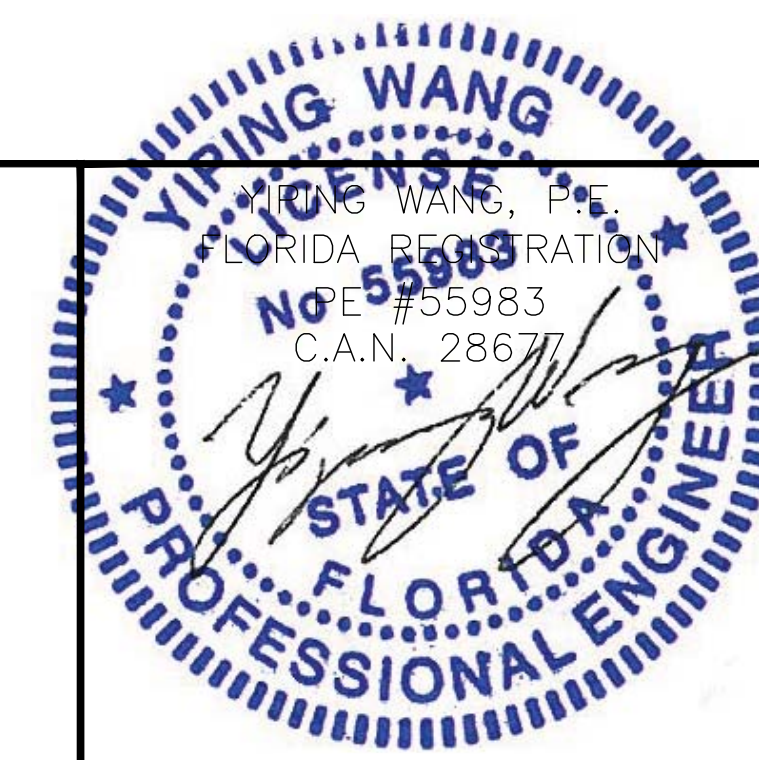
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

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

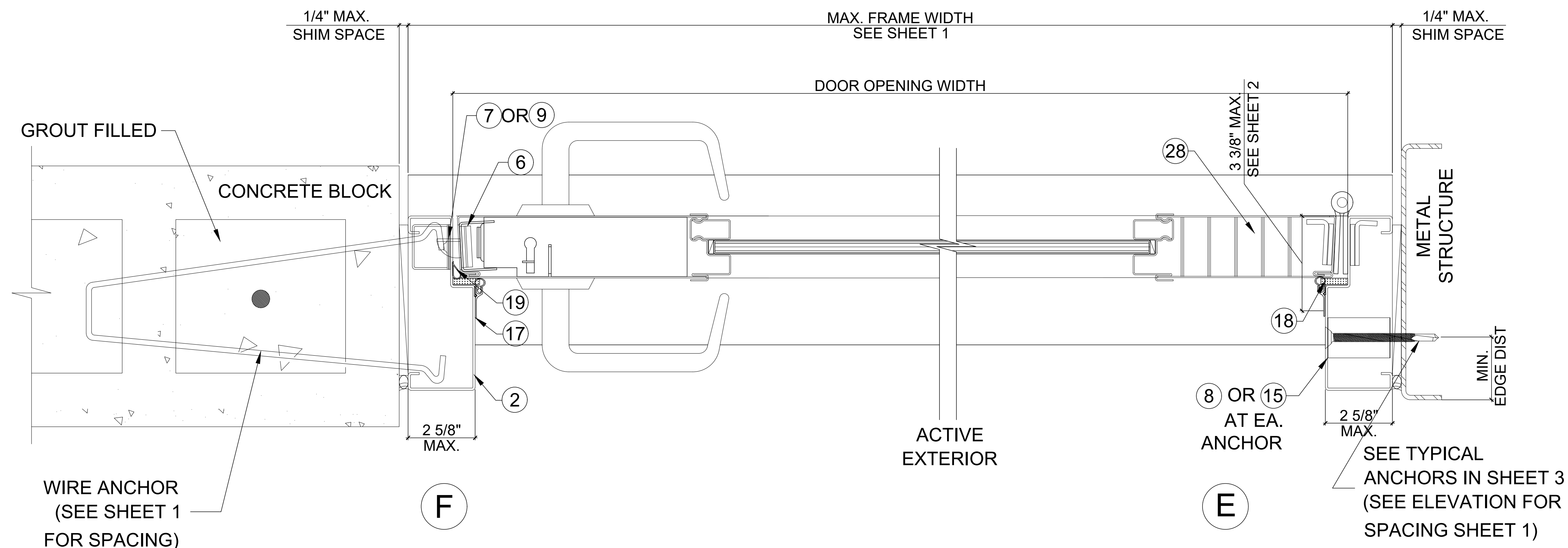
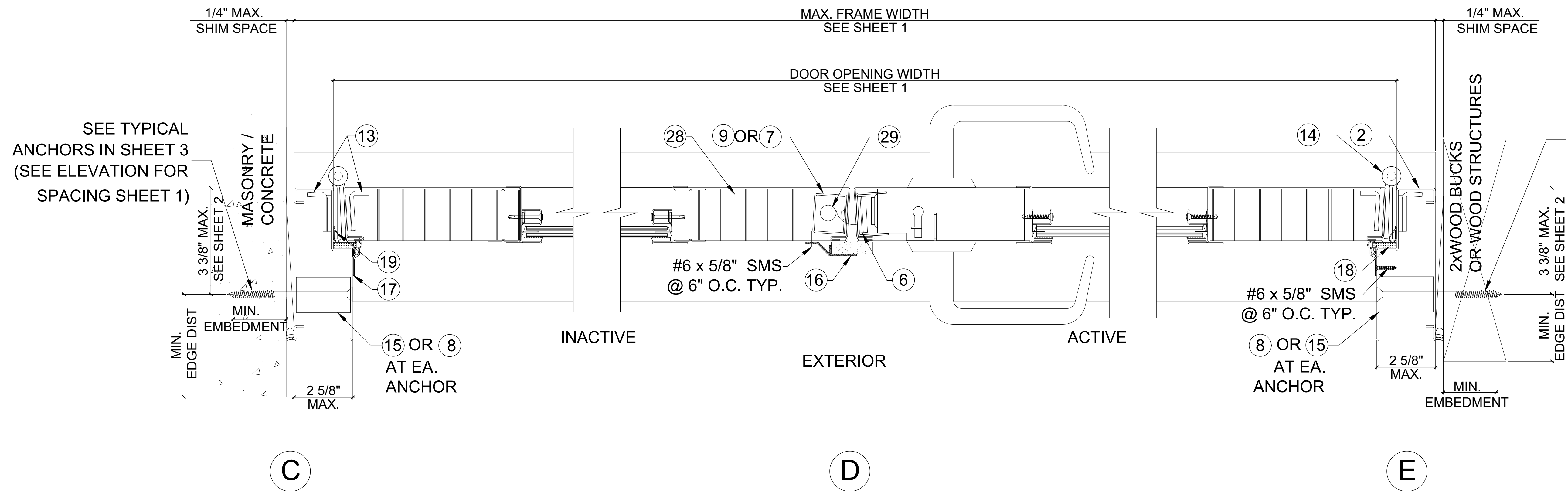
DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-05

SHEET 4 OF 9



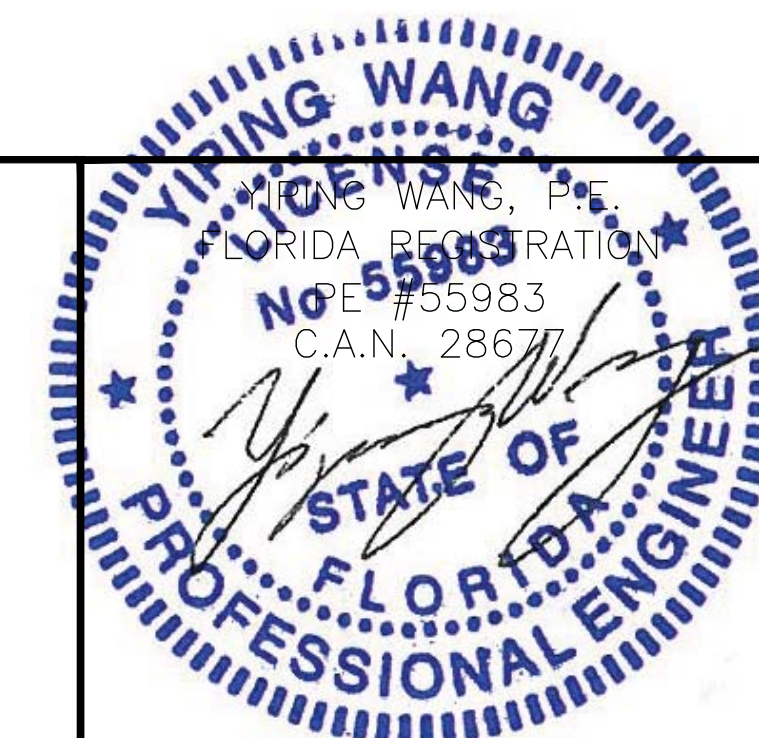
MIAMI DADE COUNTY
December 24th, 2020



DOOR SECTION DETAILS
FOR SINGLE RABBIT DOOR FRAMES

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By Ishag I. Chandra
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

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

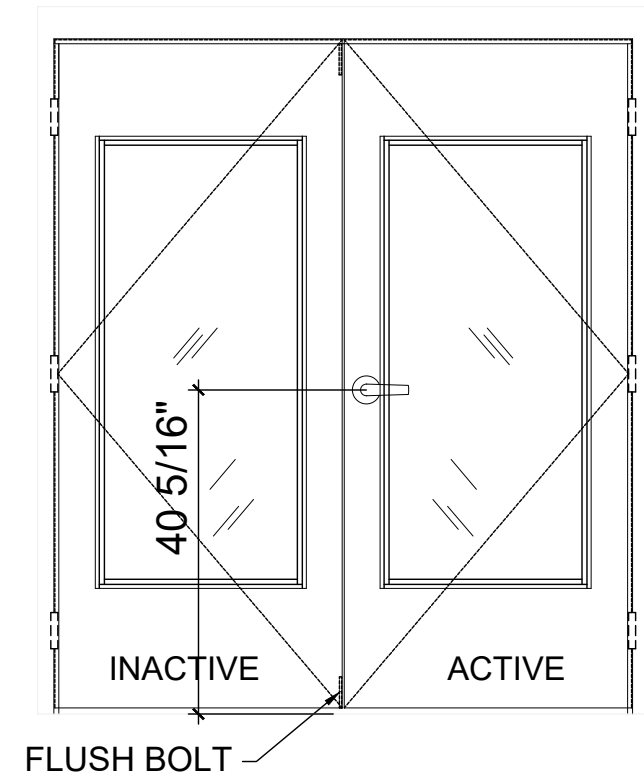
DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-05

SHEET 5 OF 9

LOCK OPTIONS

LOCK OPTIONS FOR DOUBLE DOORS ACTIVE PANEL
CAN APPLY TO SINGLE DOORS
(EXTERIOR ELEVATIONS - INSWING DOORS)

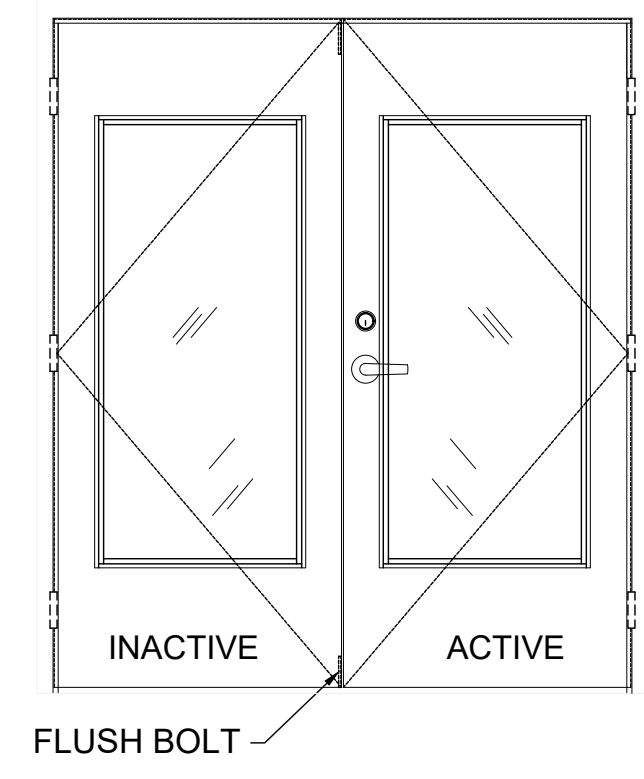


(XX)

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)

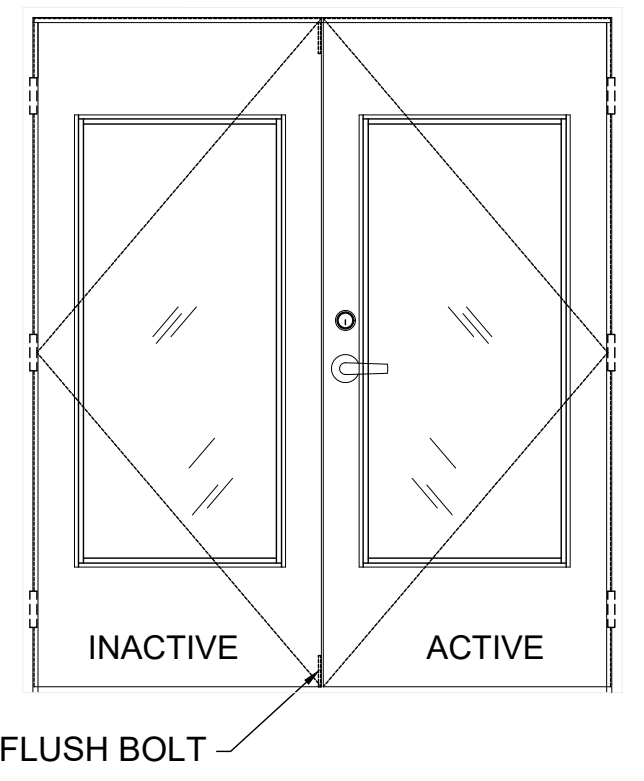


(XX)

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



(XX)

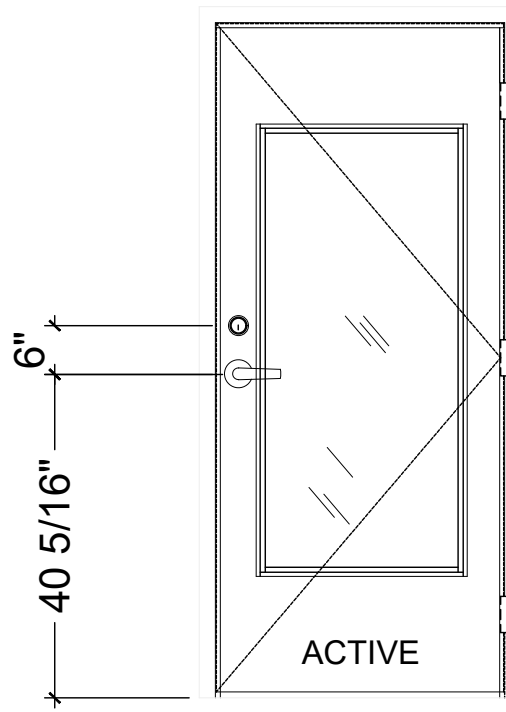
OPTION 3

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

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.

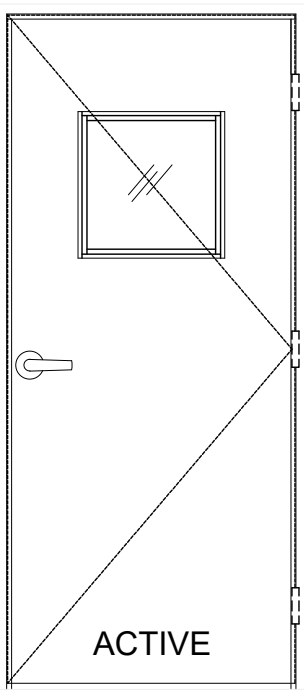
HARDWARE LOCATIONS: ALL THESE DOORS WERE MANUFACTURED WITH THE CYLINDRICAL, LEVER, OR KNOBS AT 40-5/16" C.L. FROM THE BOTTOM OF THE FRAMES. ALL THE DEADLOCKS WERE POSITIONED 46-5/16" FROM THE BOTTOM OF THE FRAMES.



(X)

OPTION 4

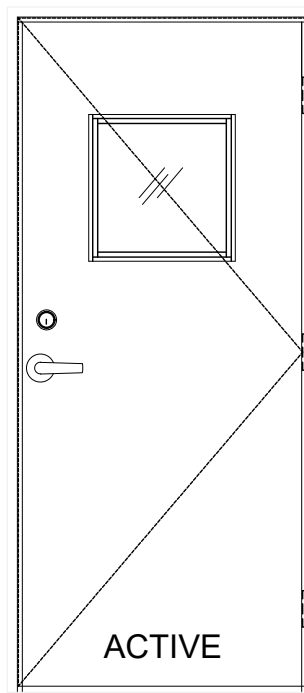
ACTIVE LEAF:
SCHLAGE AL SERIES LOCK SET,
40 5/16" FROM BOTTOM.
& SCHLAGE B SERIES DEADLOCK,
46 5/16" FROM BOTTOM



(X)

OPTION 5

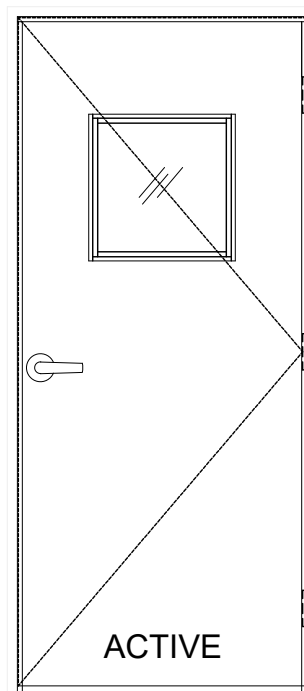
ACTIVE LEAF:
DOREX FHA SERIES LOCKSET,
40 5/16" FROM BOTTOM.



(X)

OPTION 6

ACTIVE LEAF:
DOREX FH SERIES LOCKSET,
40 5/16" FROM BOTTOM.
DOREX TLA SERIES DEADLOCK,
46 1/4" FROM BOTTOM.

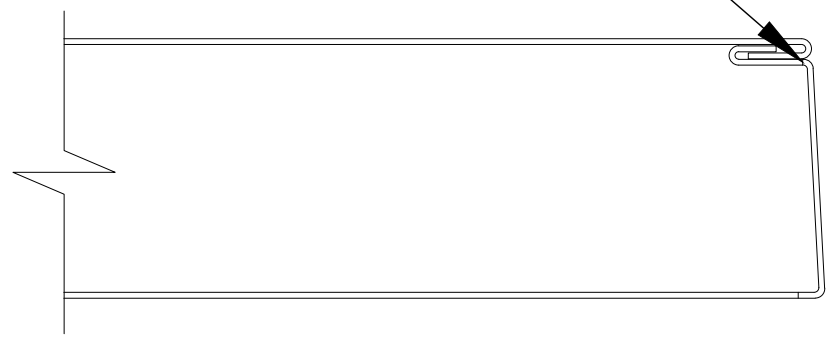


(X)

OPTION 7

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

CONTINUOUS VERTICAL
LOCK SEAM SPOT WELDED
AT EACH END



DOOR EDGE CONSTRUCTION

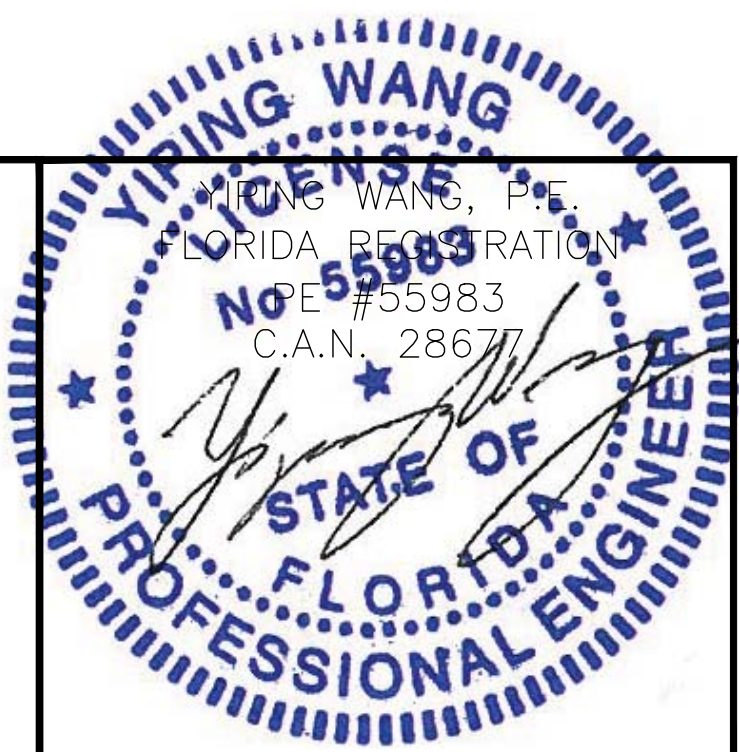
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06

Expiration Date 02/23/2022

By Ishaq I. Chandra
Miami-Dade Product Control

MIAMI DADE COUNTY

December 24th, 2020



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

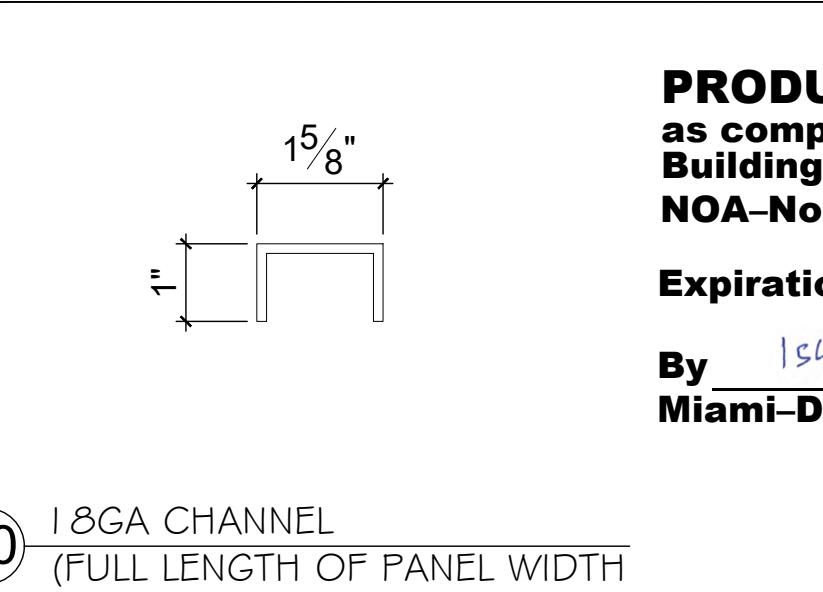
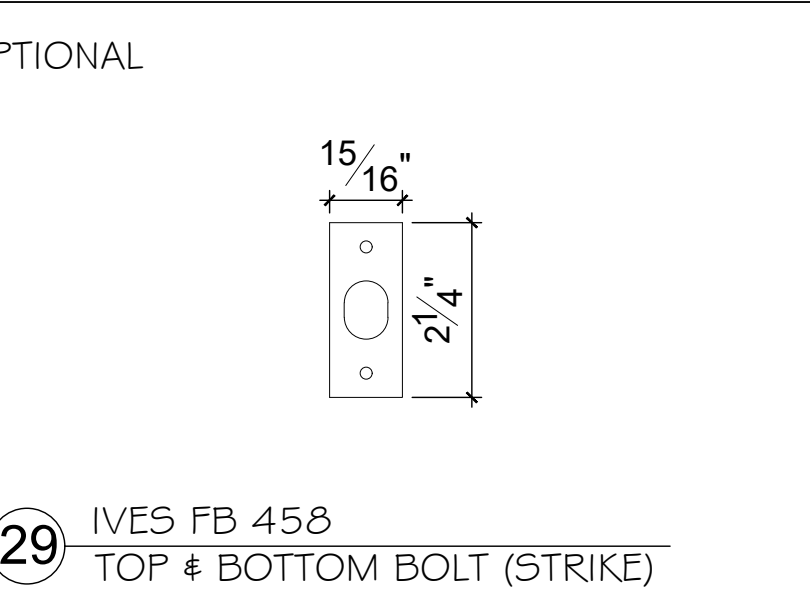
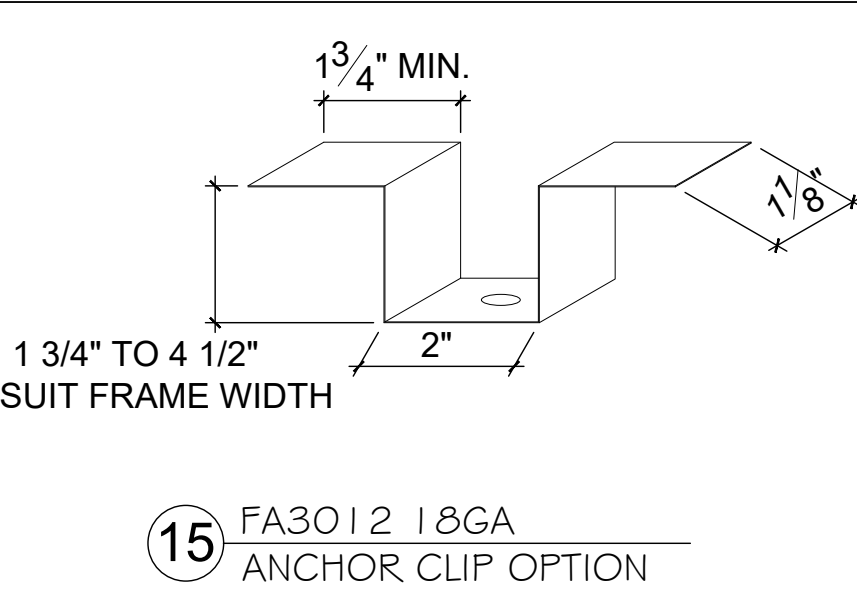
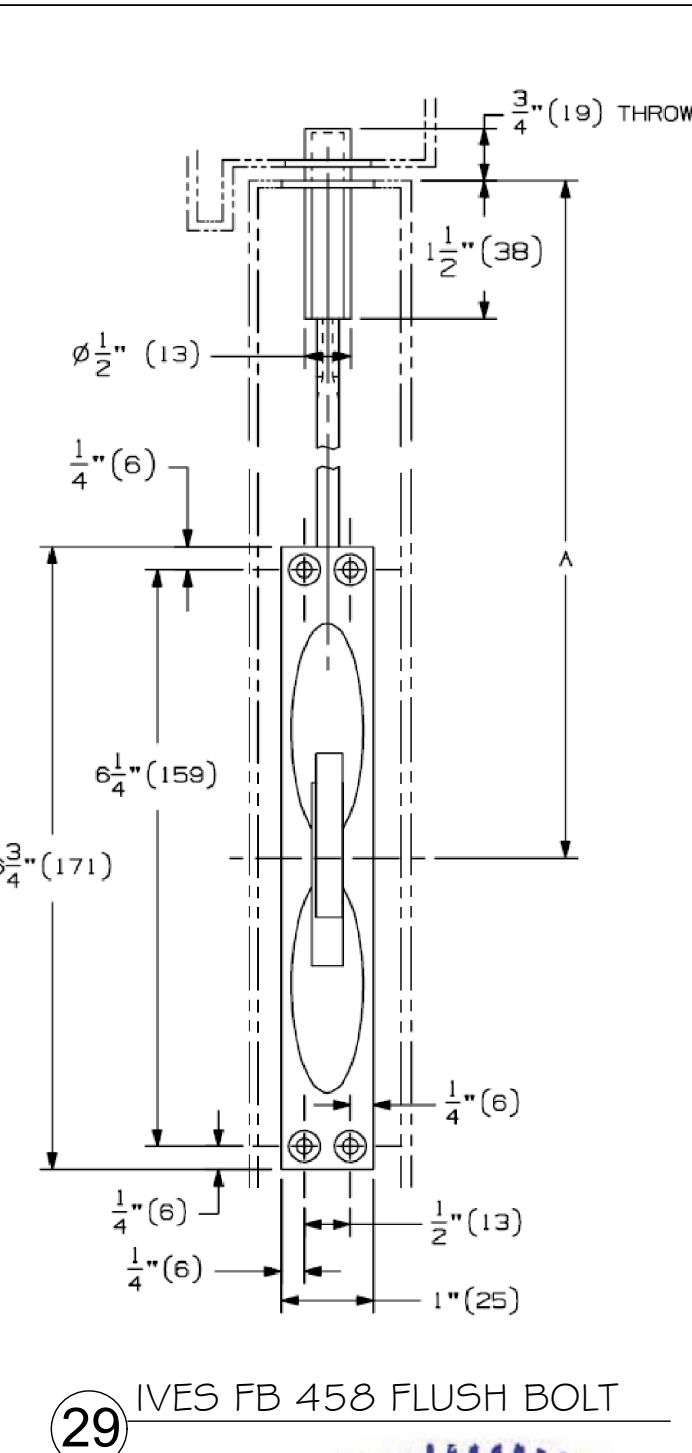
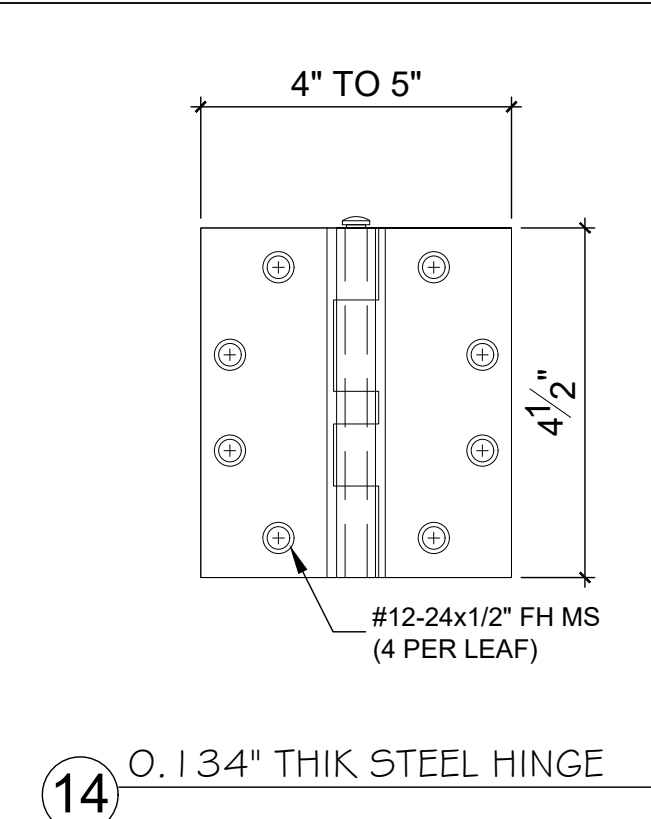
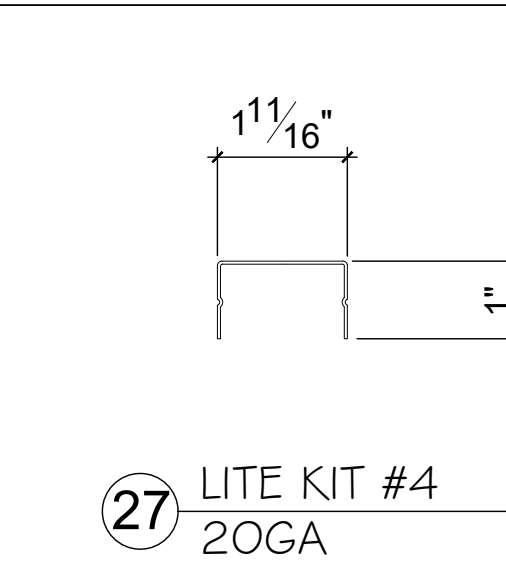
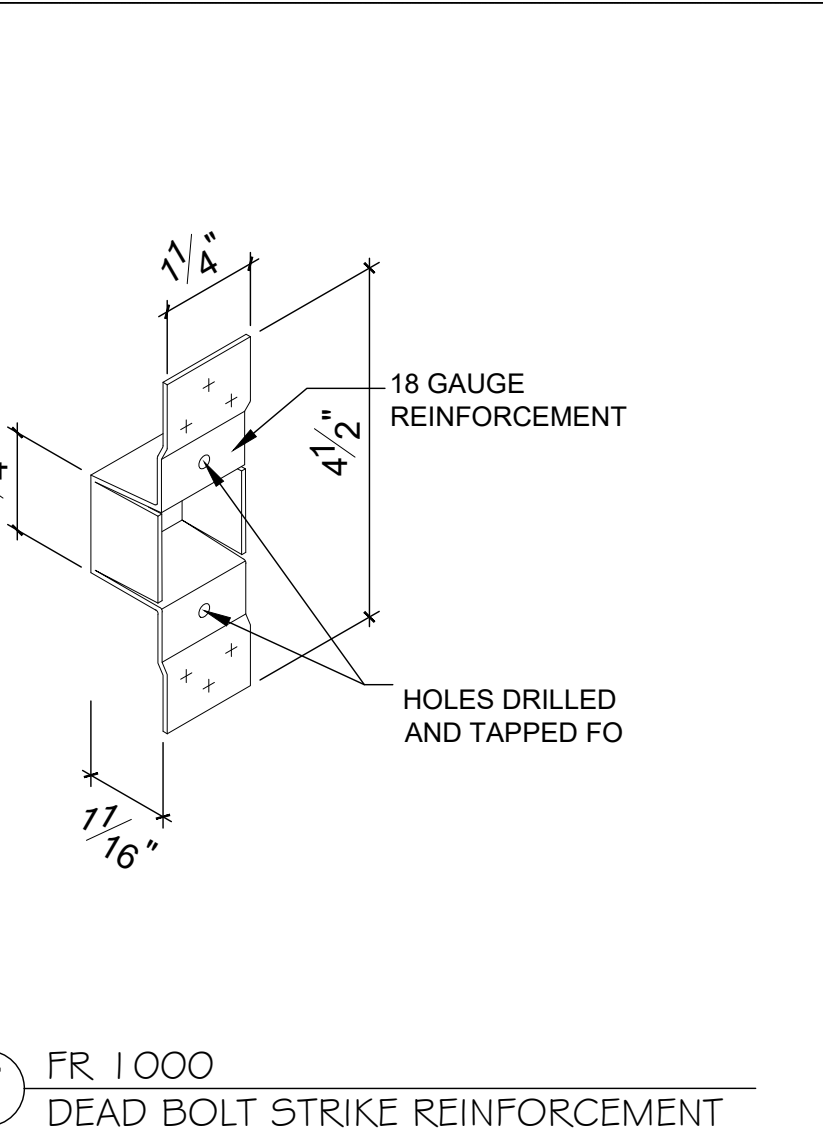
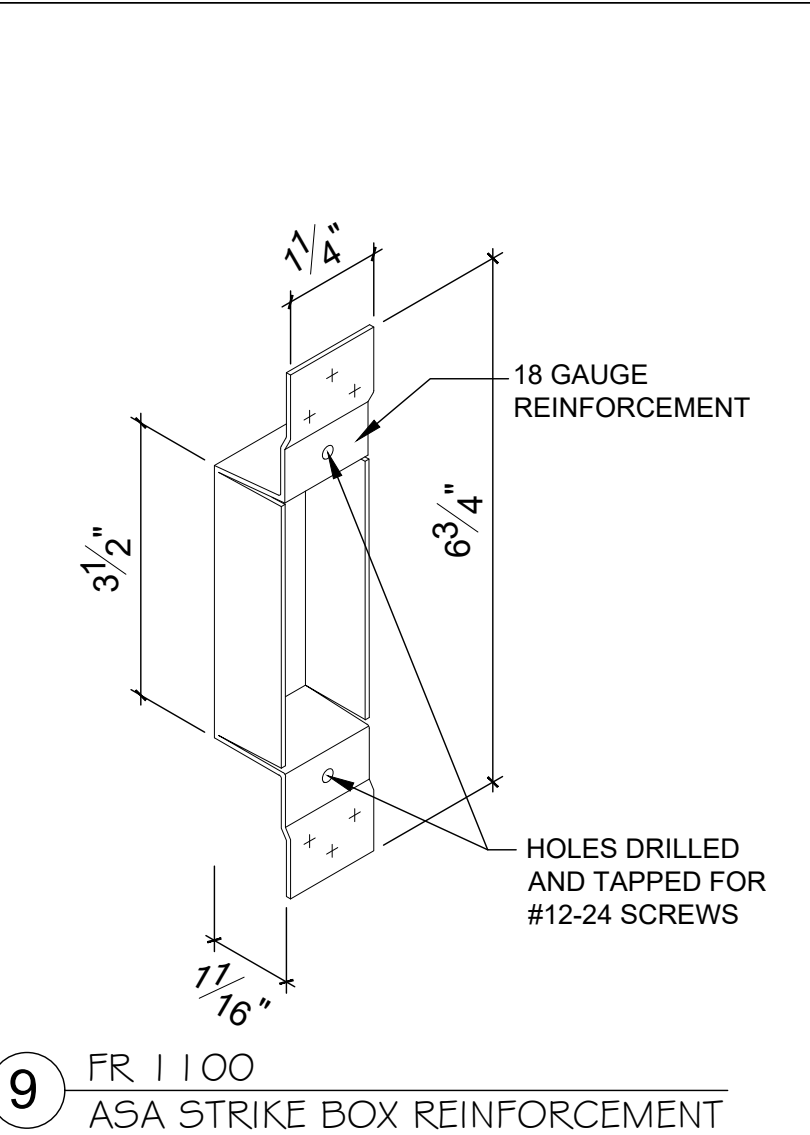
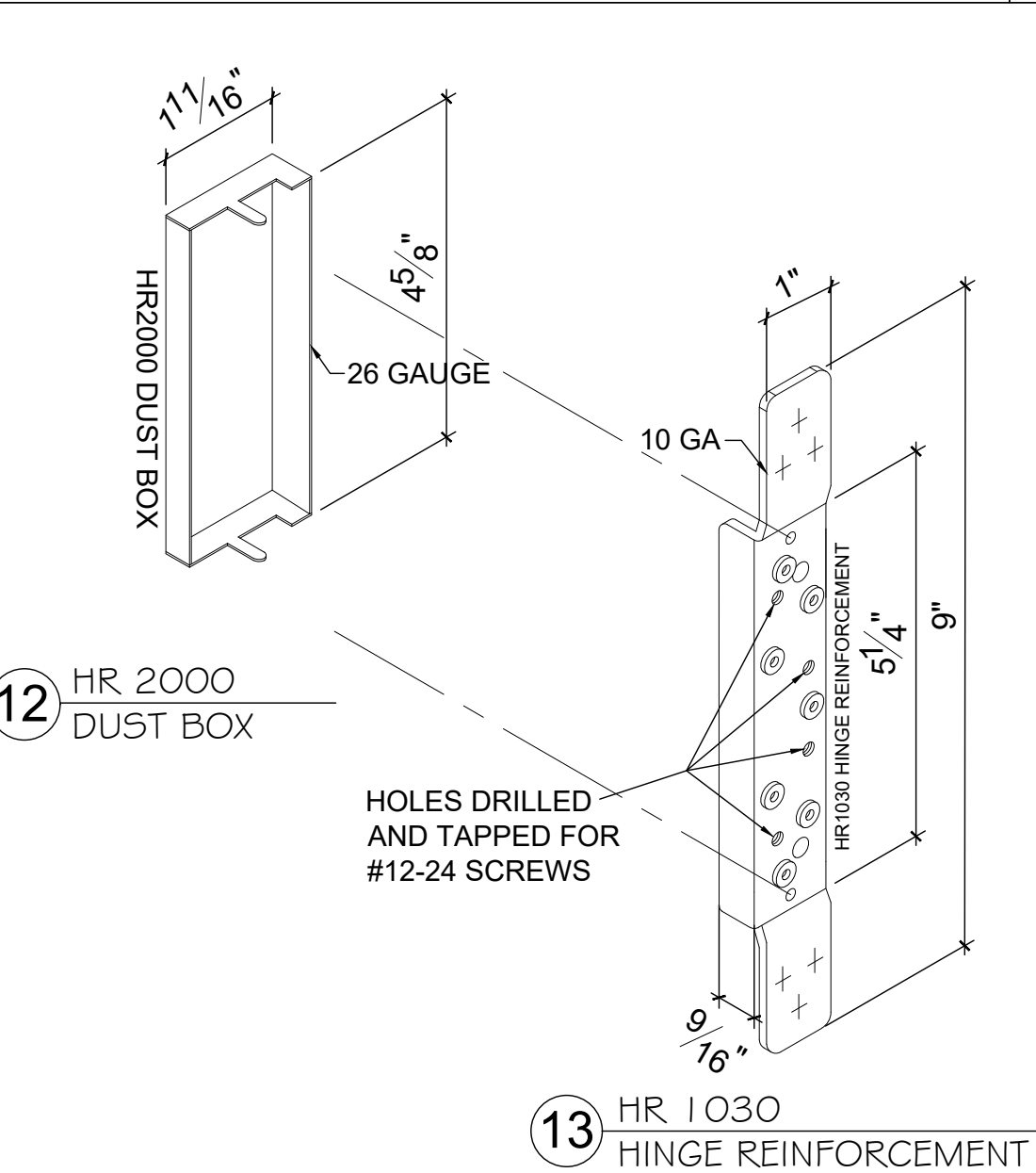
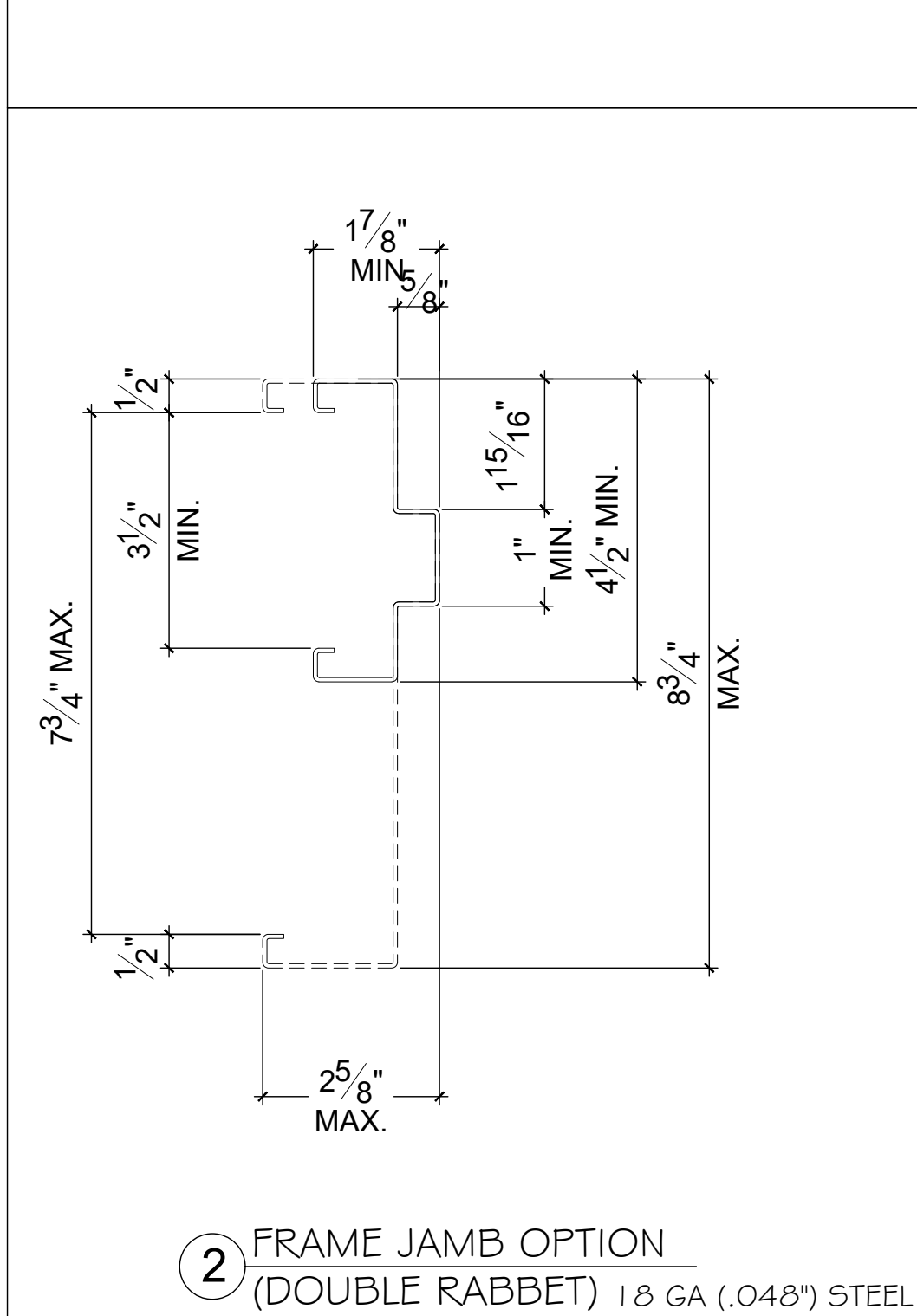
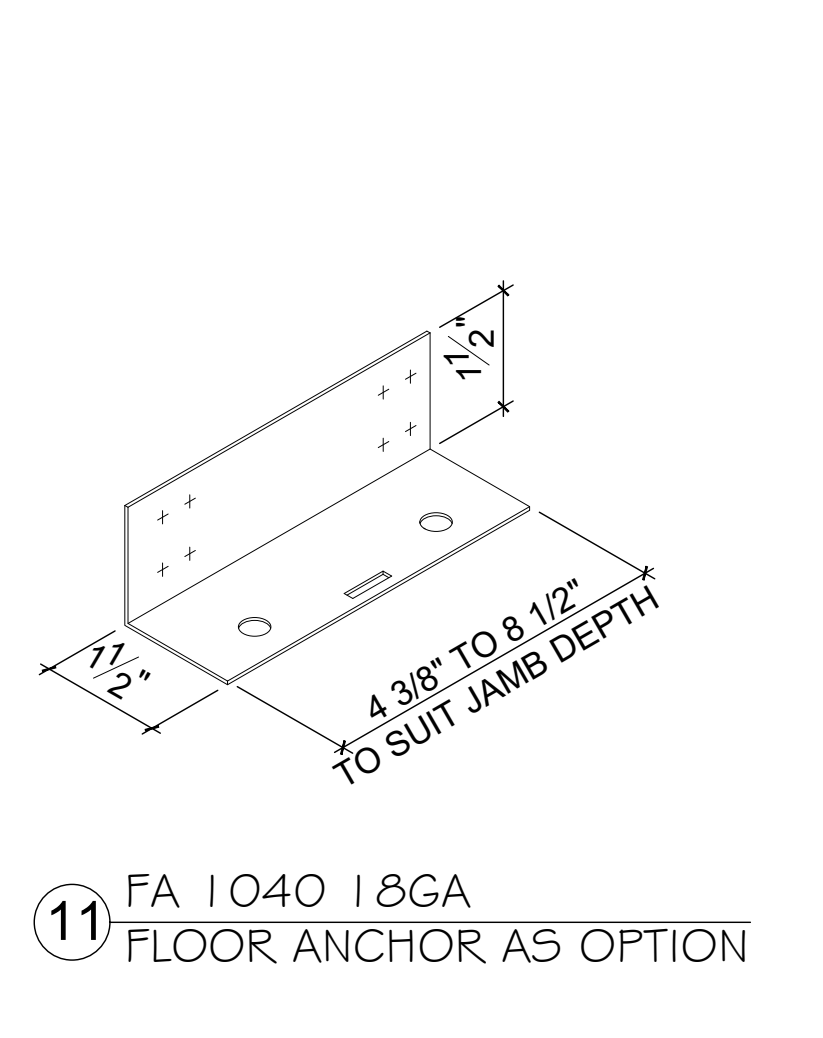
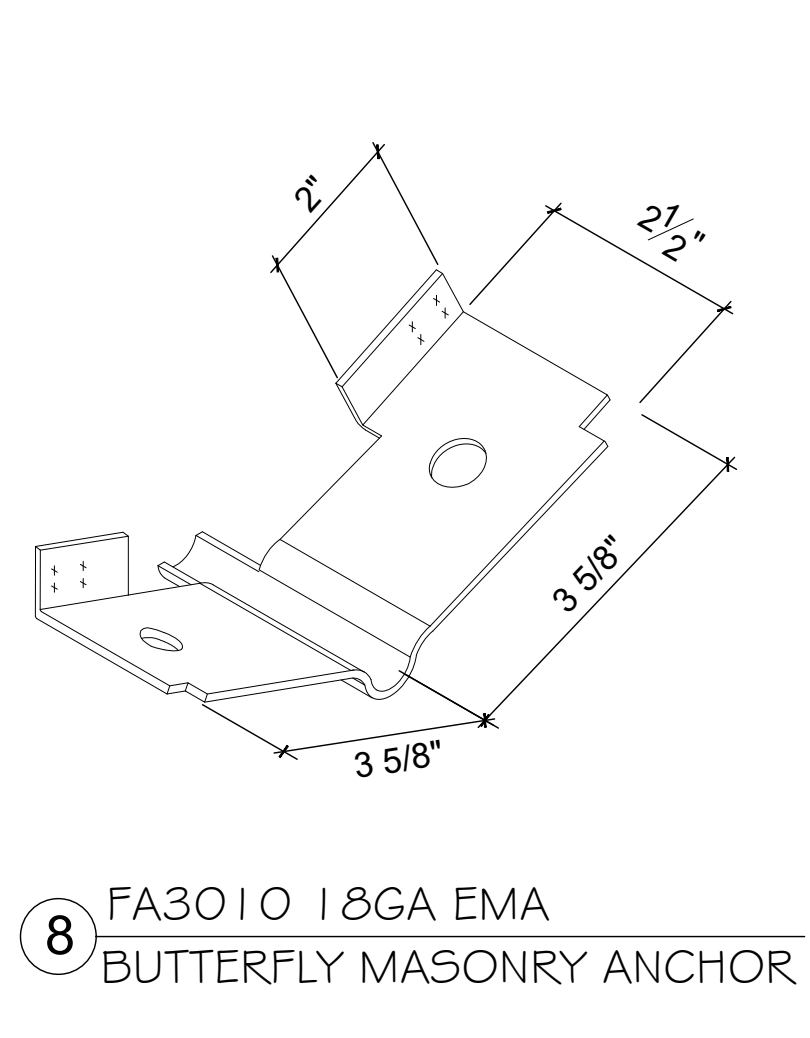
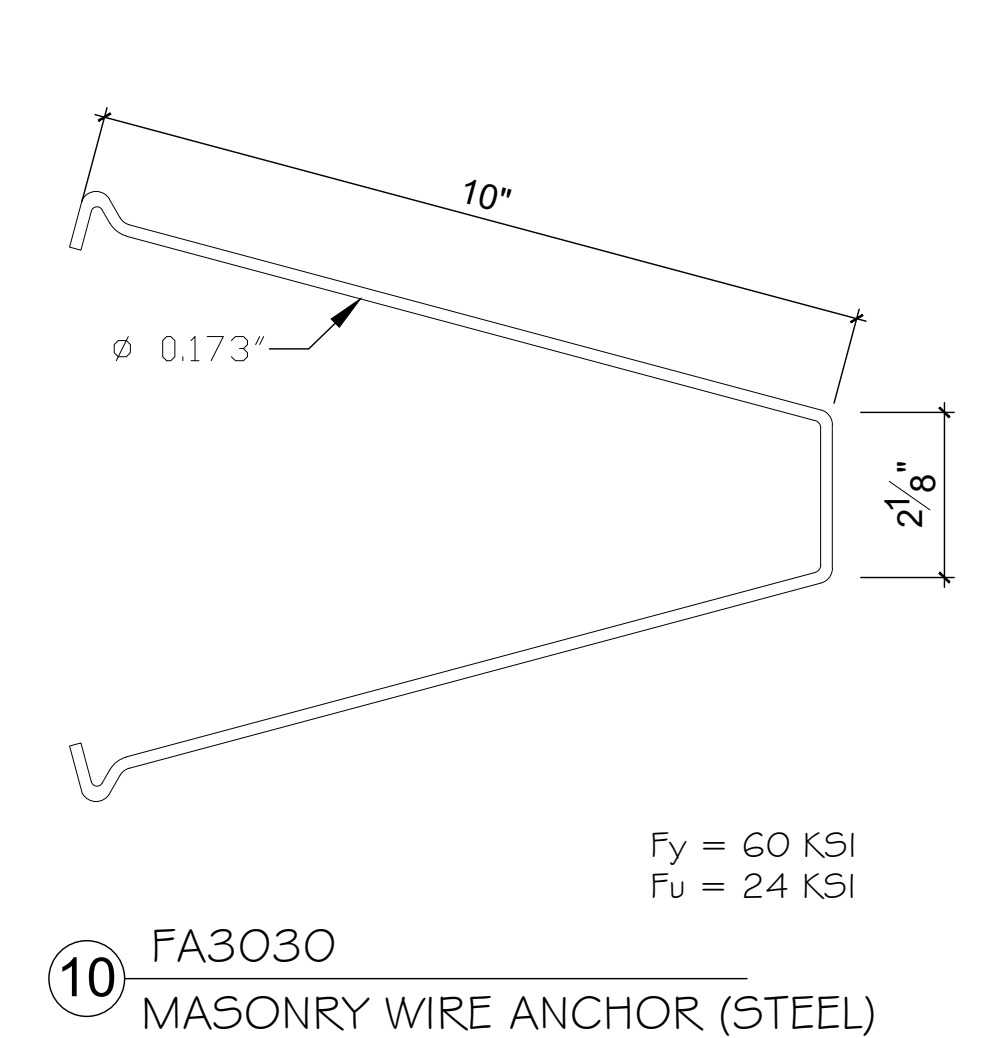
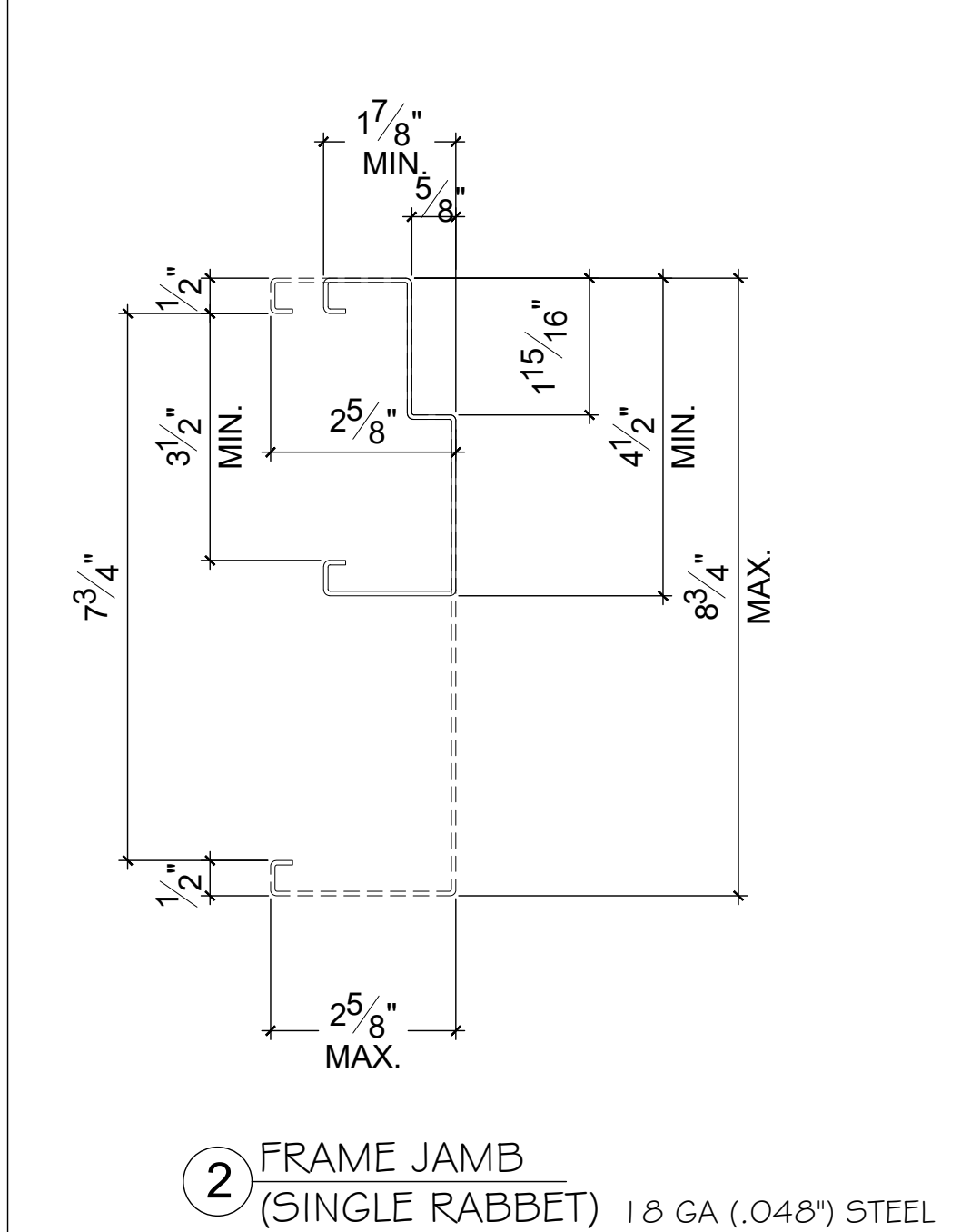
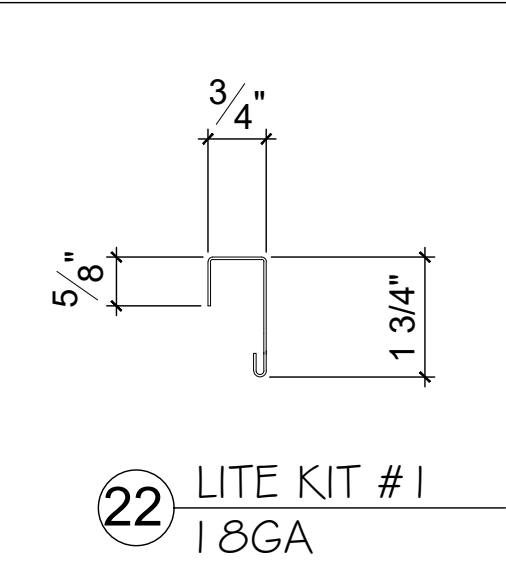
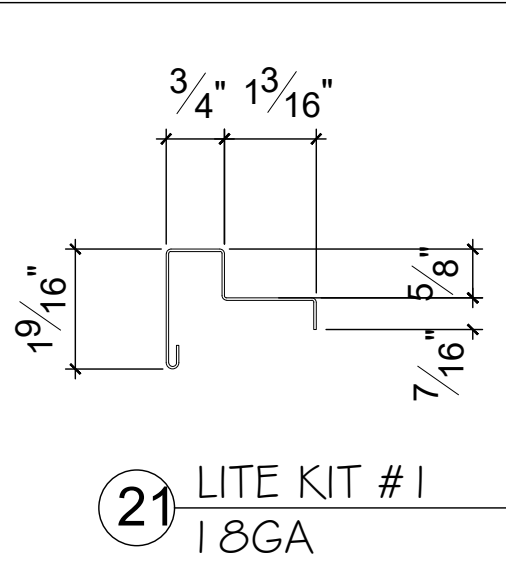
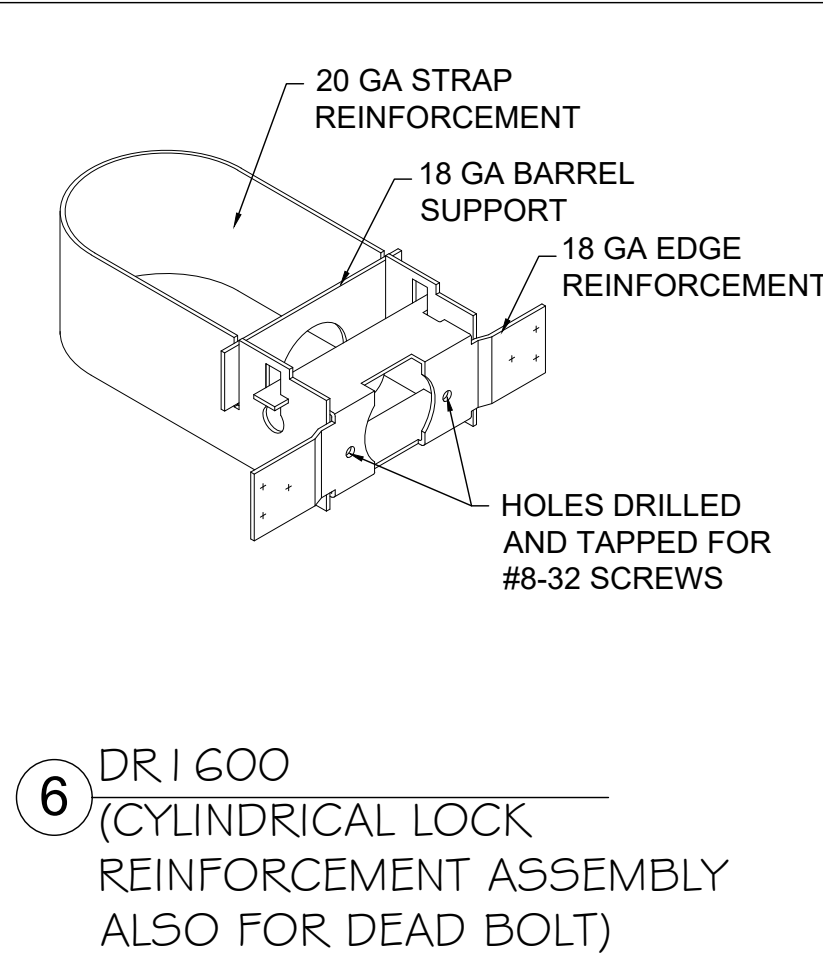
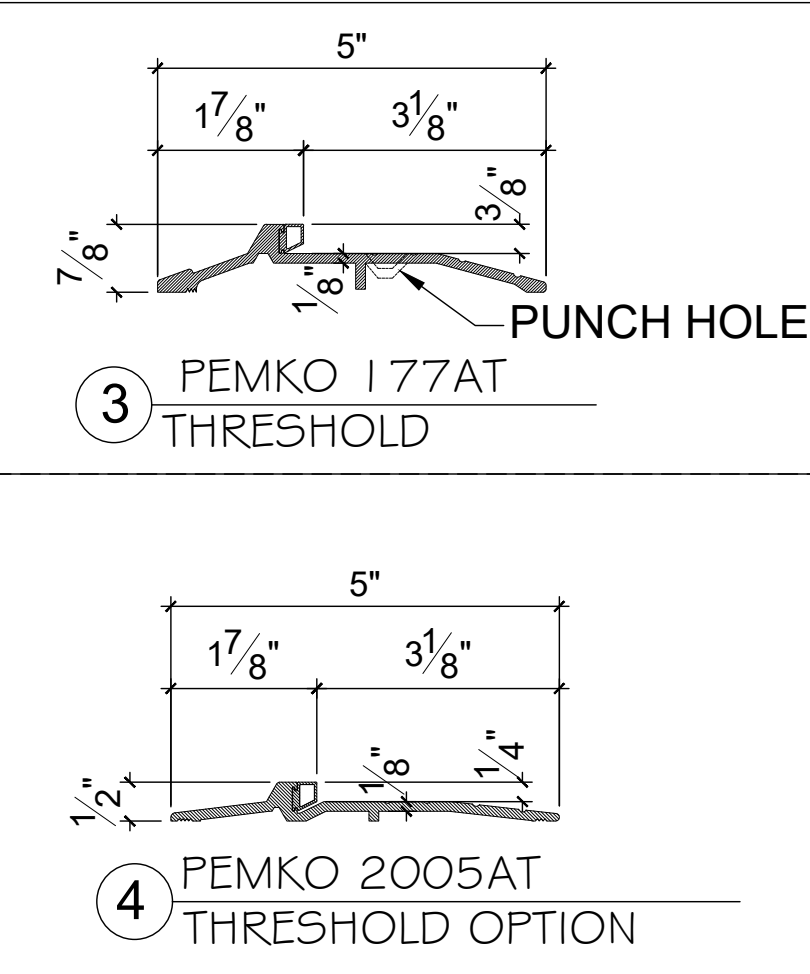
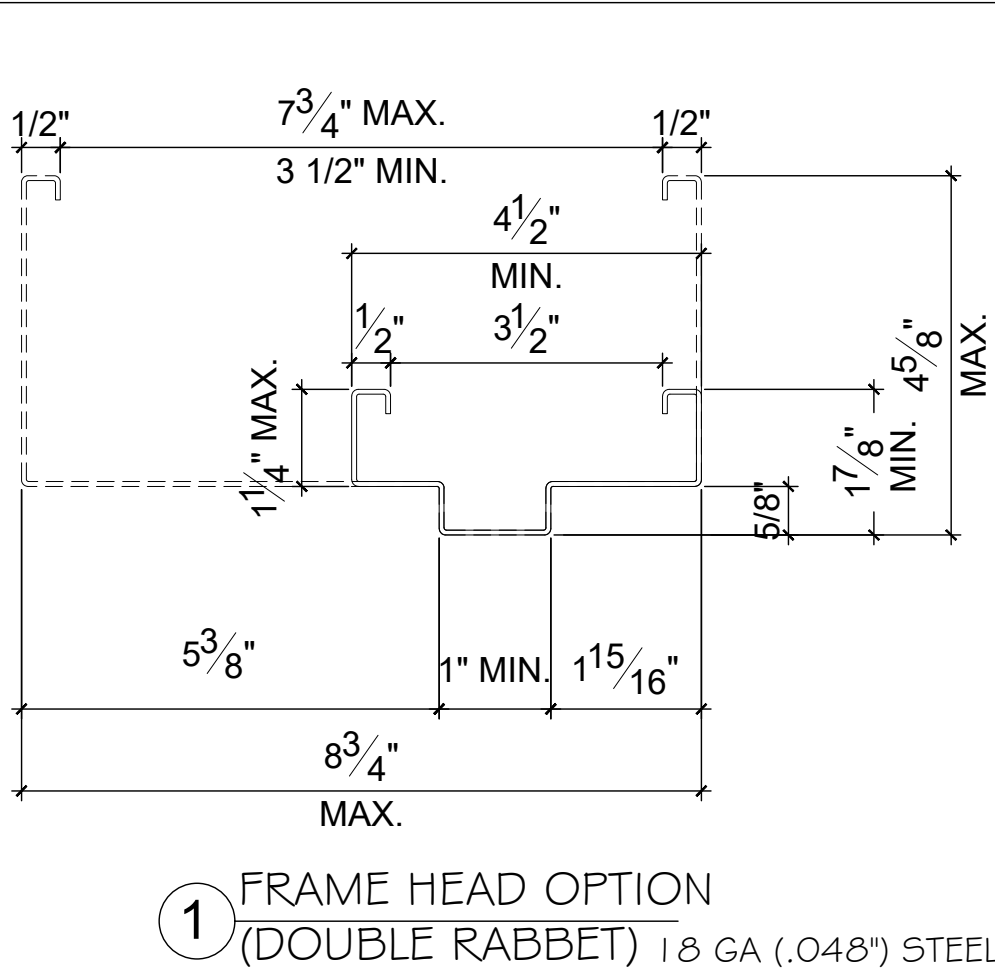
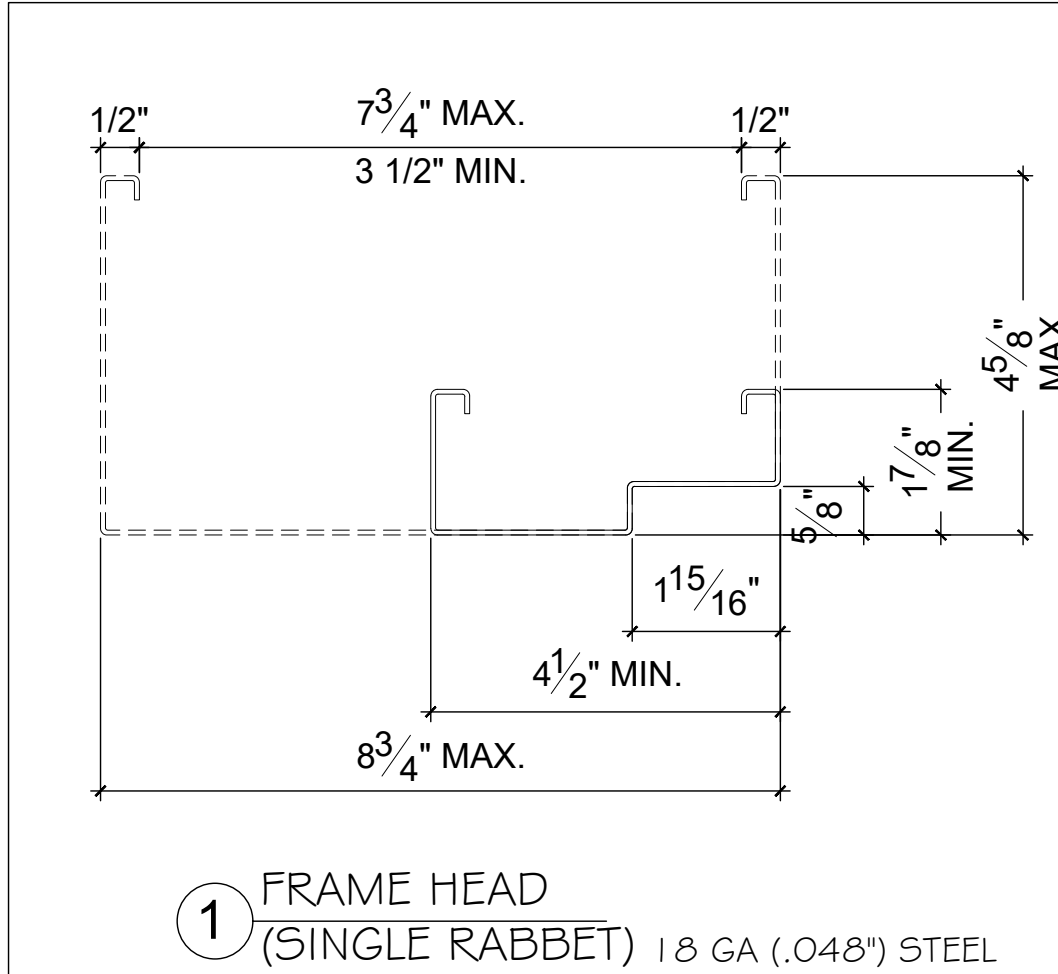
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

GENSTORM GLAZED 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.
AD11-05

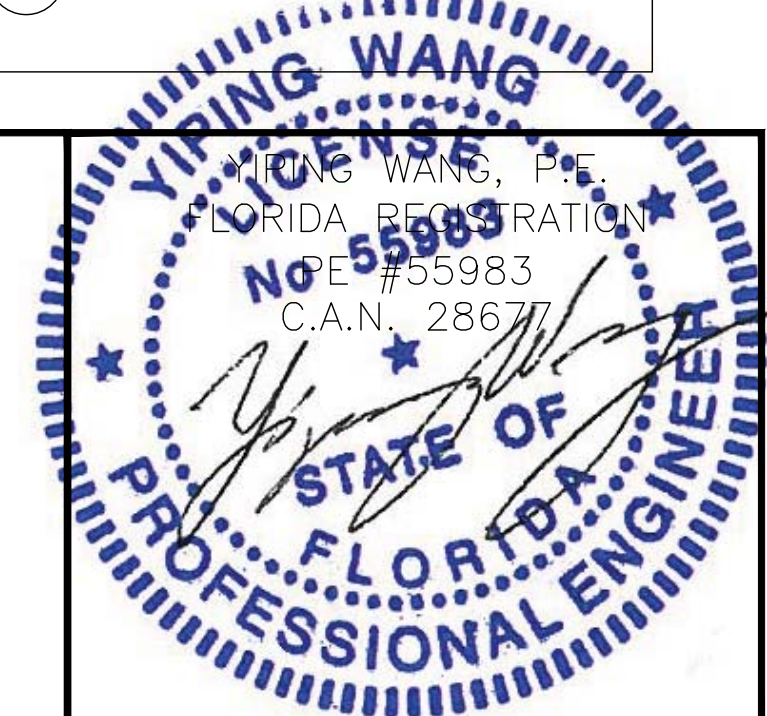
SHEET 6 OF 9



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By *Shang L. Chan*
Miami-Dade Product Control

MIAMI DADE COUNTY

December 24th, 2020



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

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

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

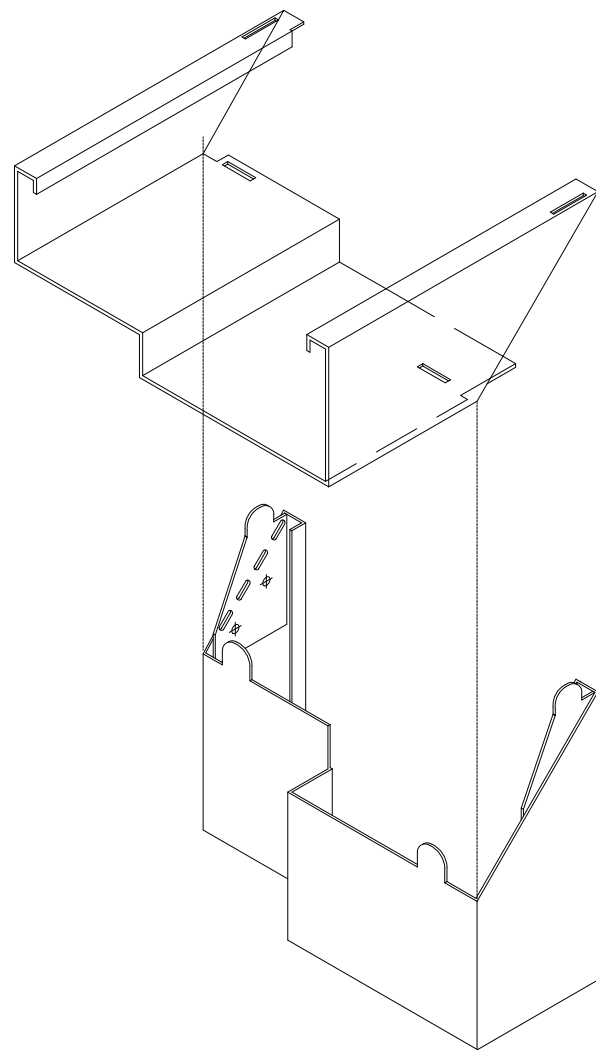
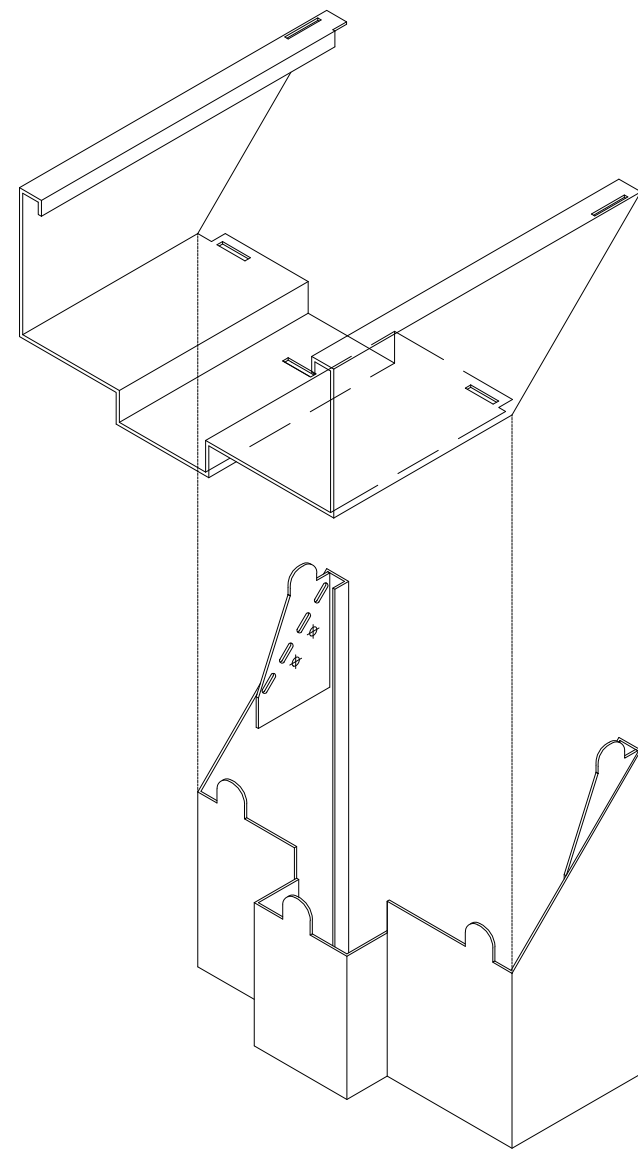
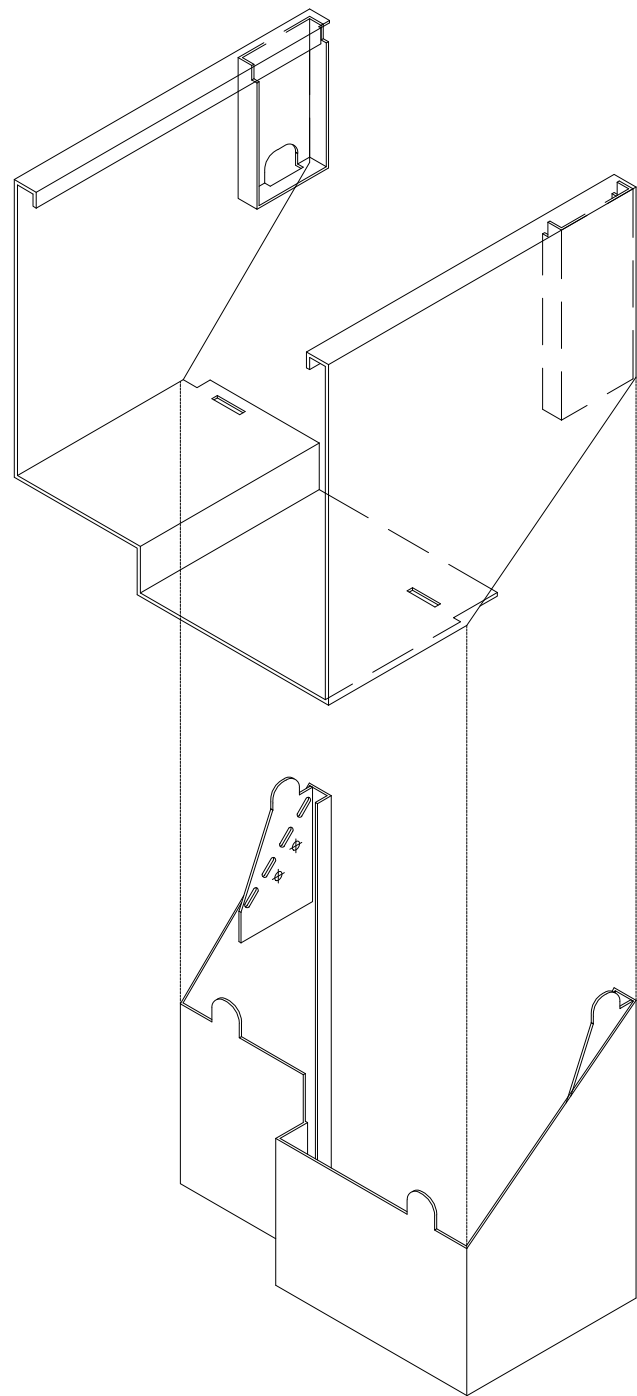
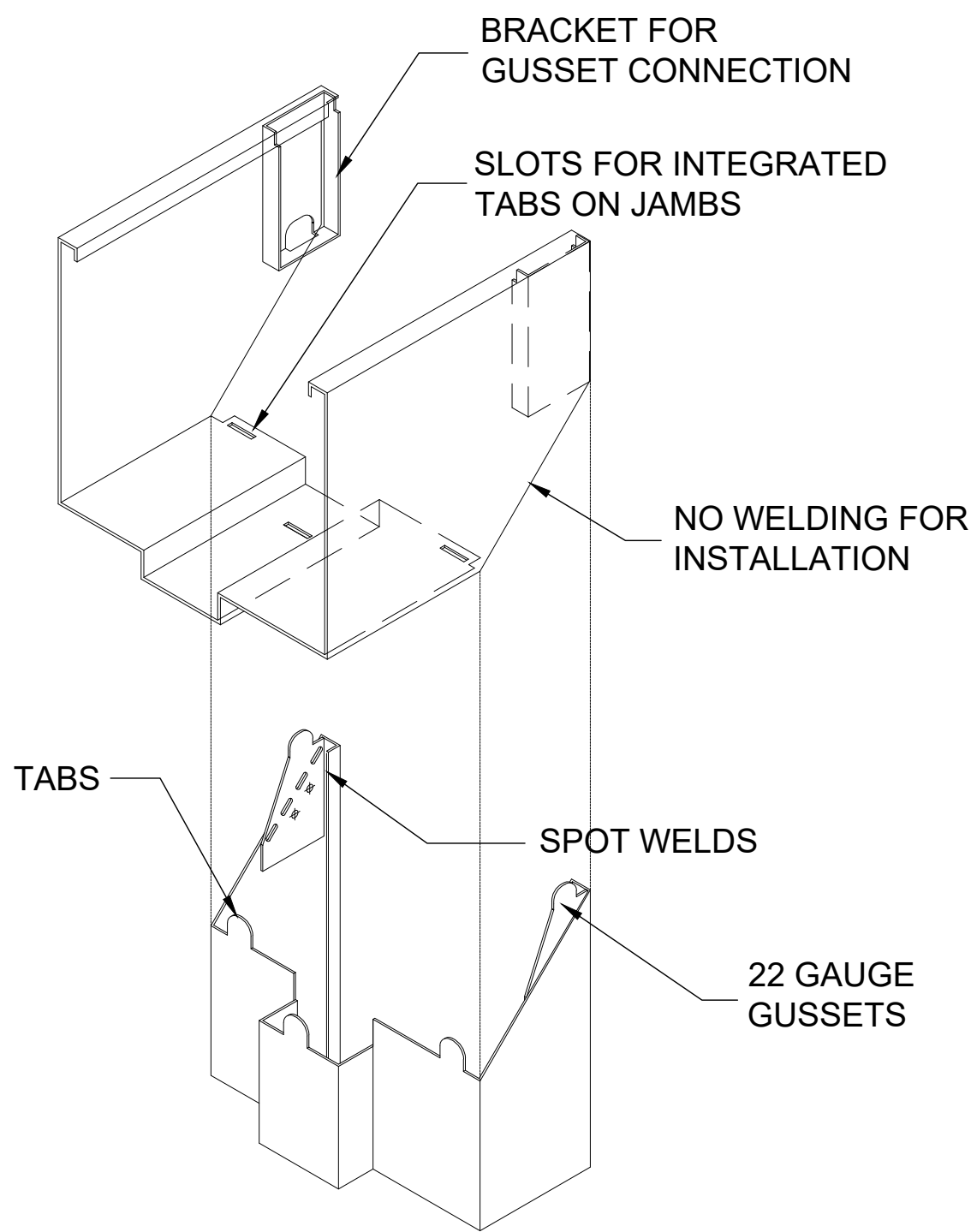
DATE	11/24/20
SCALE	NTS.
DRAWN	C.Y.
PROJECT	11-007

DRAWING NO.
AD11-05

SHEET 7 OF 9

BILL OF MATERIALS

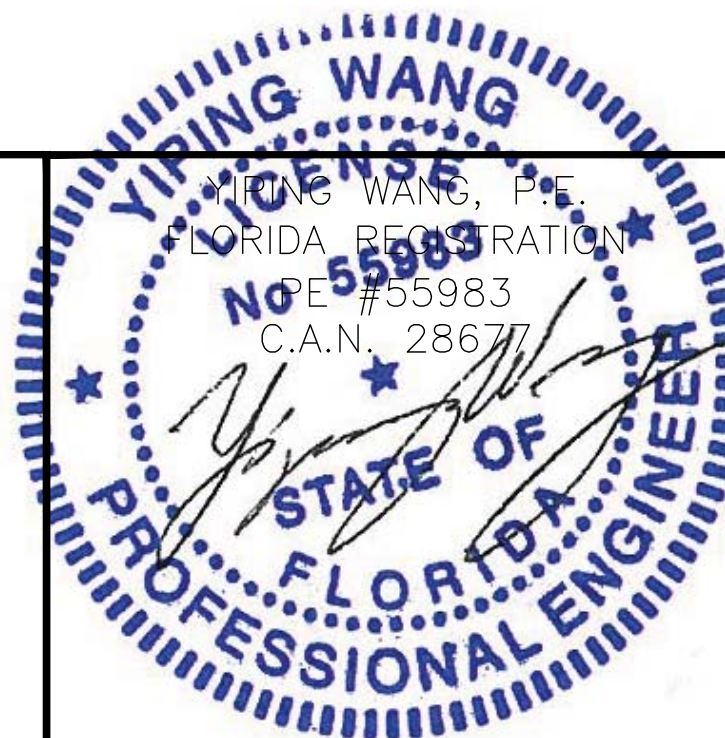
ITEM	PART No.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER/SUPPLIER/ REMARKS
1	-	STEEL OR ST/ST	AS REQD.	FRAME HEAD	18 GA. (0.048MIN.) Fy= 47.3 KSI MIN.
2	-	STEEL OR ST/ST	AS REQD.	FRAME JAMB	18 GA. (0.048MIN.) Fy= 47.3 KSI MIN.
3	PMK177-AT	ALUM.	1	THRESHOLD WITH THERMO SEAL INSERT	PEMKO 177AT
4	PMK 2005AT	ALUMINUM	1	OPTION WITH THERMO SEAL INSERT	PEMKO 2005AT
5	-	STEEL OR ST/ST	AS REQD.	DOOR PANEL 1 3/4" THK. W/ 20 GA STEEL SKIN	20 GA. (0.036MIN) 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 DOOR
10	FA3030	STEEL	AS REQD.	MASONRY WIRE ANCHOR 0.173 DIA.	GENSTEEL
11	FA1040	STEEL	2	FLOOR ANCHOR 18 GA. (1-1/2" x 1-1/2" x 4-1/2" LG) (OPTION)	GENSTEEL
12	HR2000	STEEL	3 PER LEAF	HINGE DUSTBOX	GENSTEEL
13	HR1030	STEEL	3 PER LEAF	HINGE REINFORCEMENT WELDED TO FRAME & DOOR	GENSTEEL PROGRESSION WELDED TO THE FRAME AND/OR DOOR
14	HINGE	STEEL	3 PER LEAF	4 1/2" LONG HINGE	HAGER USA OR EQUAL
15	FA3012	STEEL	AS REQD.	ANCHOR CLIP (OPTION)	GENSTEEL PROGRESSION WELDED TO THE FRAME
16	PEMKO P375R	-	AS REQD.	PEMKO 375R ASTRAGAL WITH SPONGE NEOPRENE	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 #3 & #4	STEEL	AS REQD.	20GA STEEL GLAZING BEAD USED IN LITE KIT #3 & #4	GENSTEEL
26	LITE KIT #3 & #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

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By Ismael I. Chanis
Miami-Dade Product Control



MIAMI DADE COUNTY

December 24th, 2020

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

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 Miramar Parkway #301 P. (305)271-0117
Miramar, FL 33027

www.MCYEngineering.com mcy@mcyengineering.com

GENSTORM GLAZED INSWING STEEL DOOR (LM)

gensteeldoors

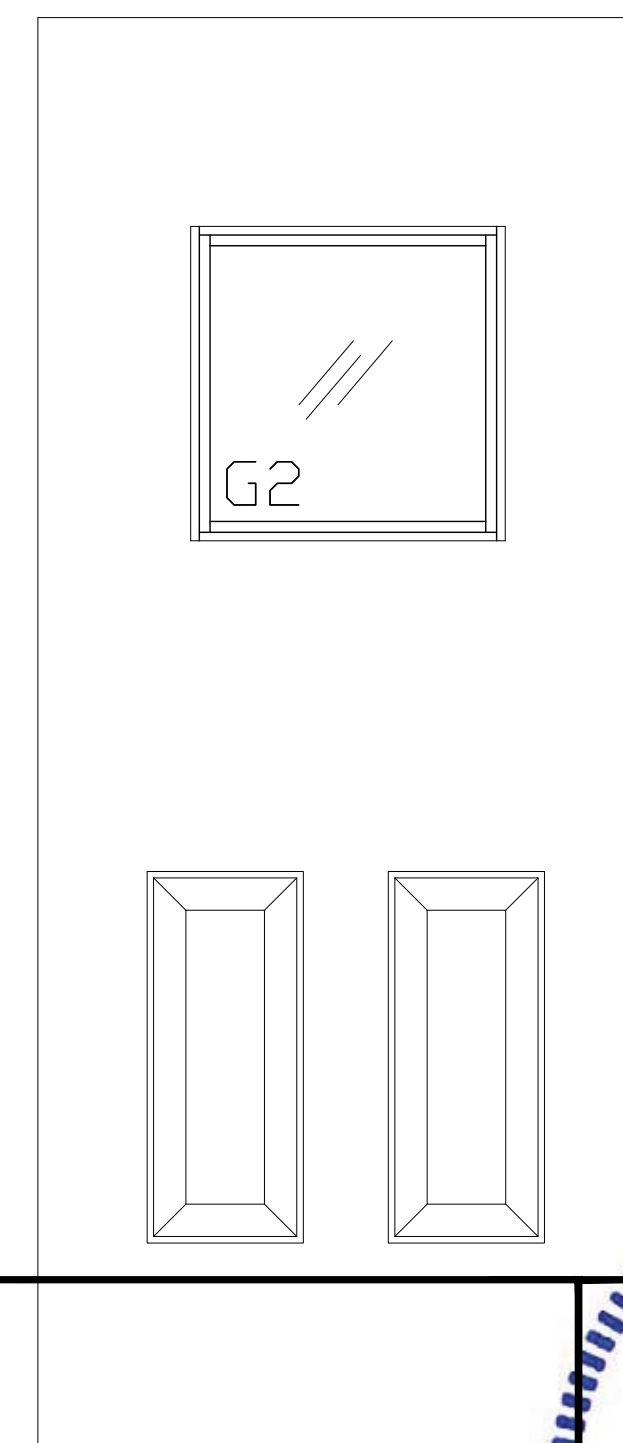
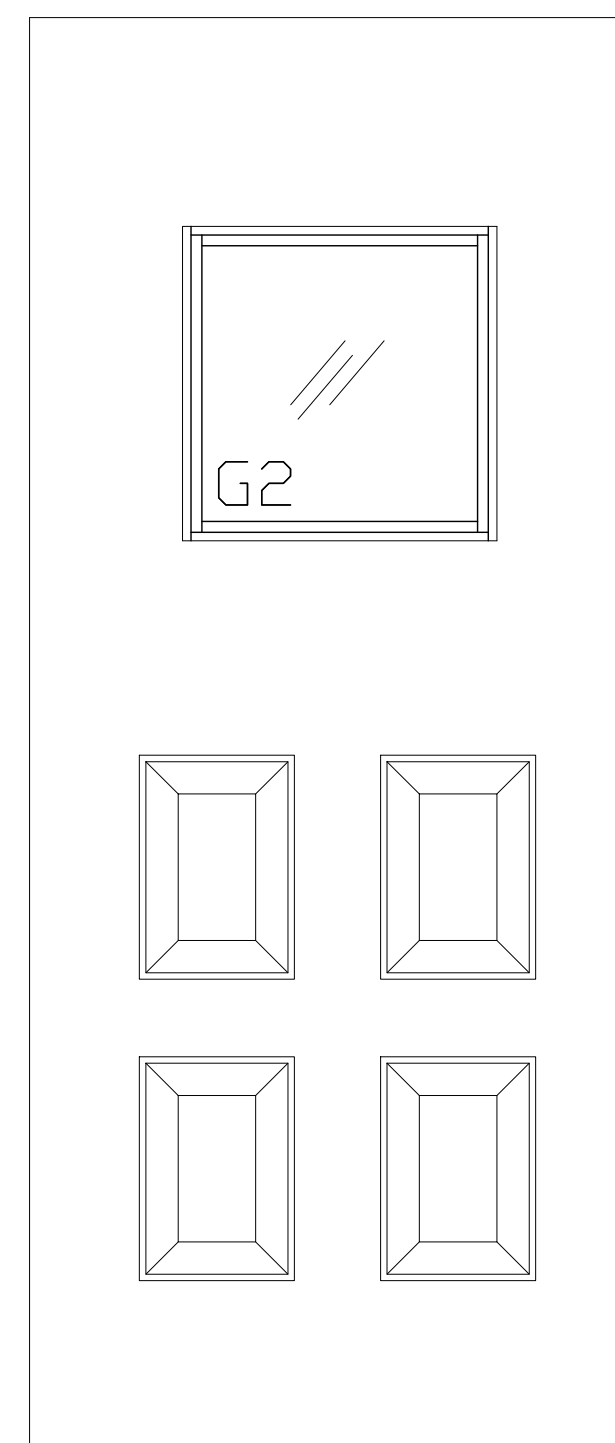
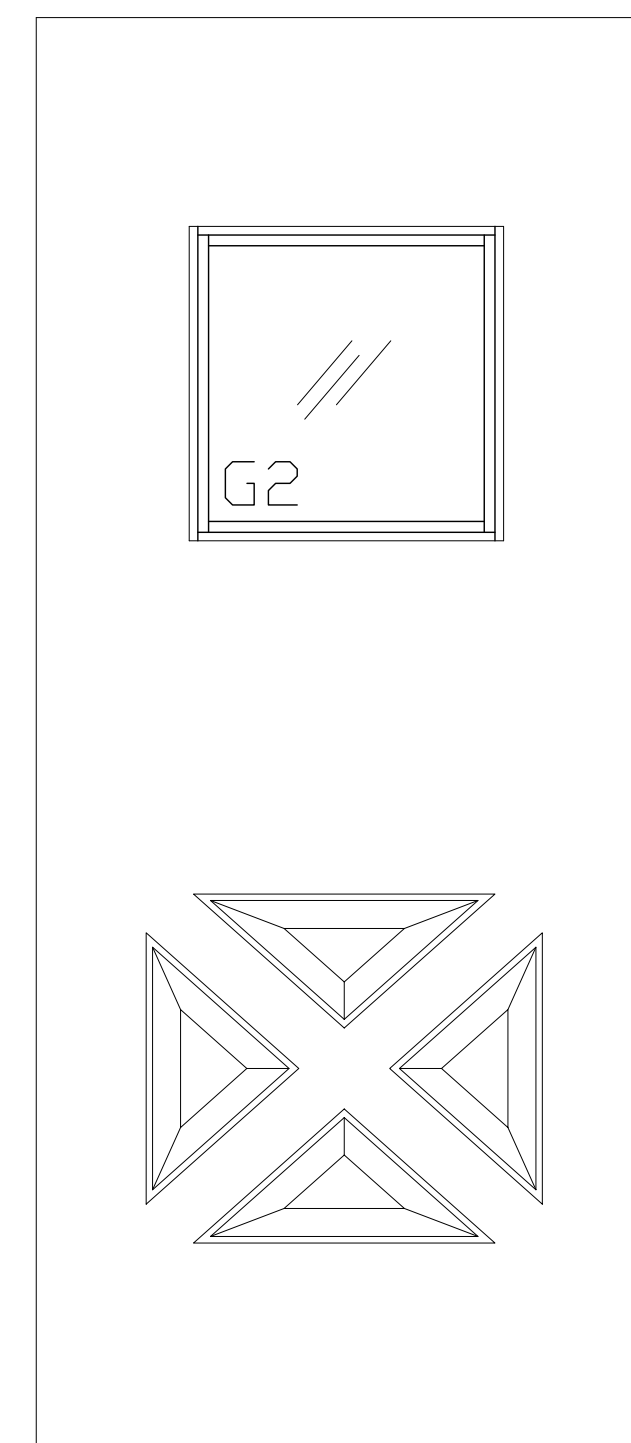
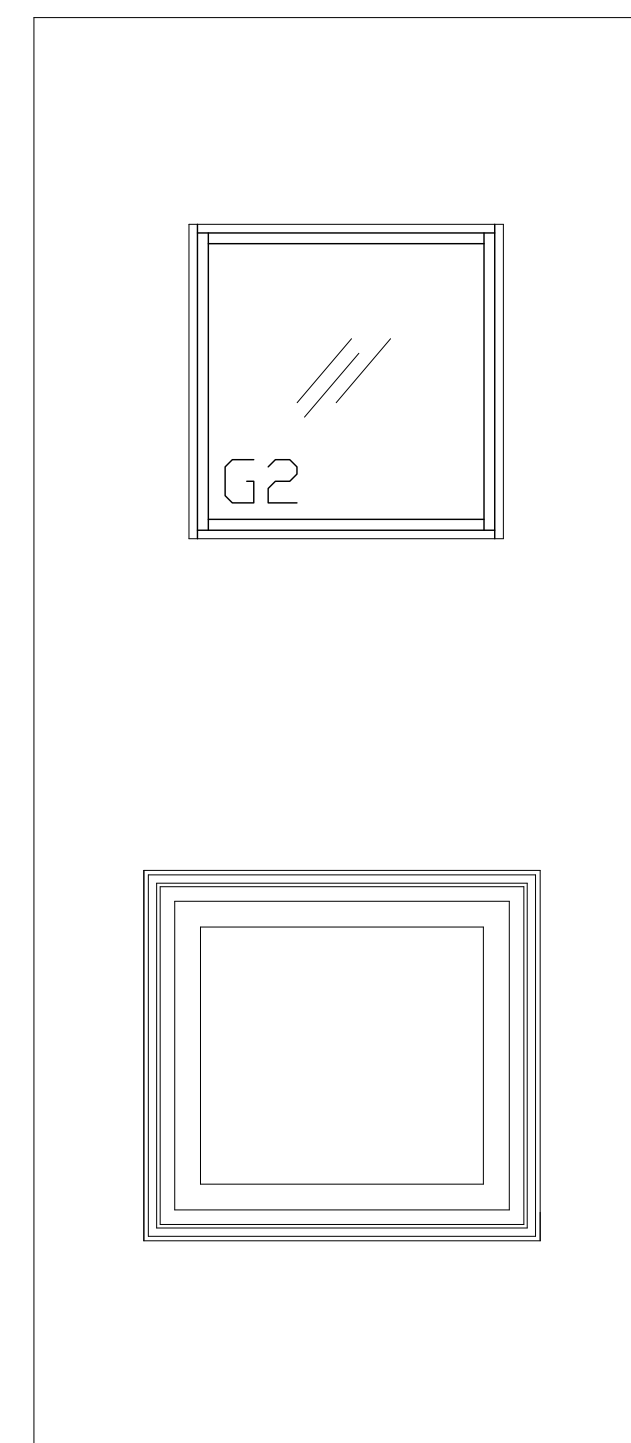
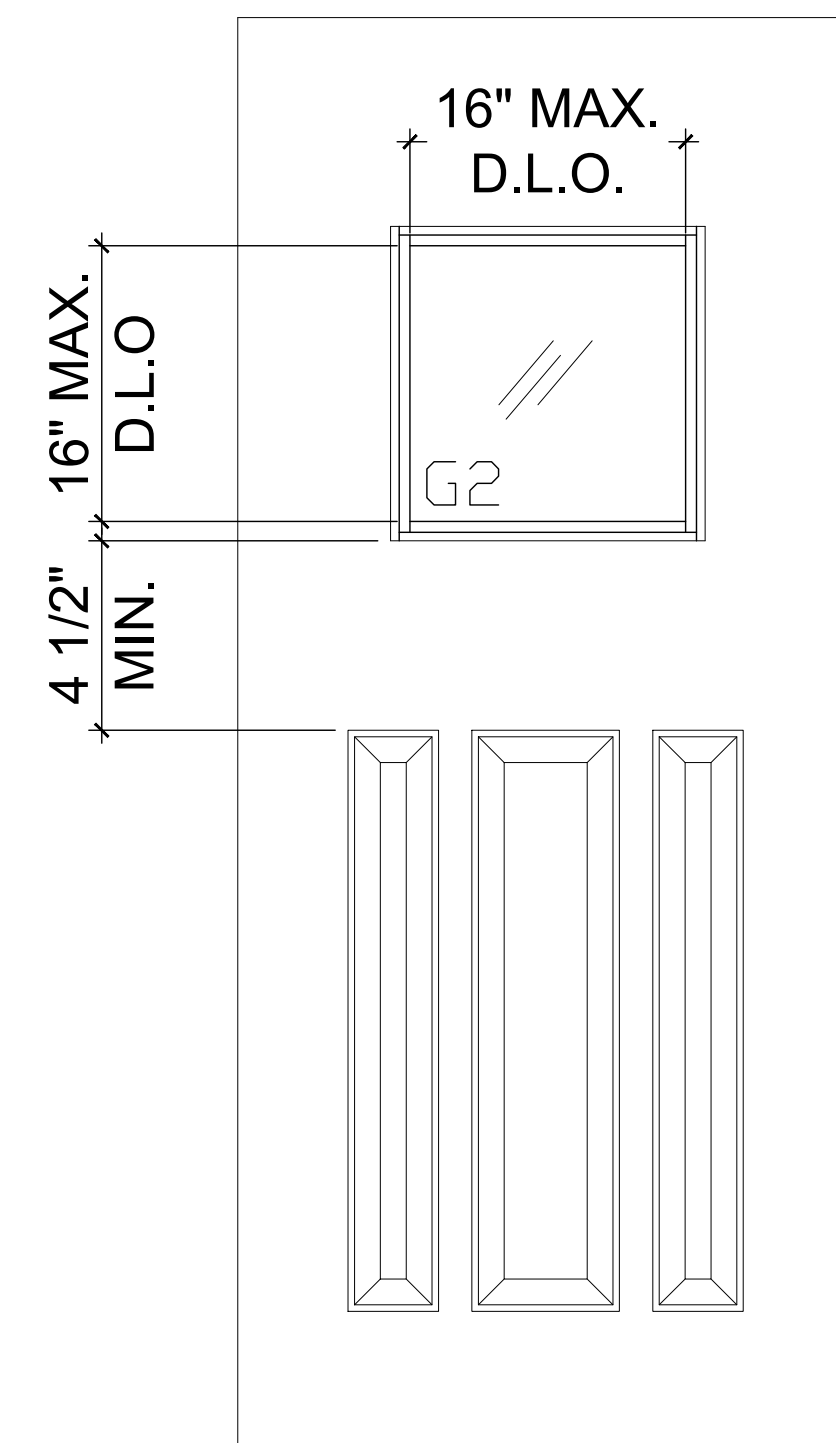
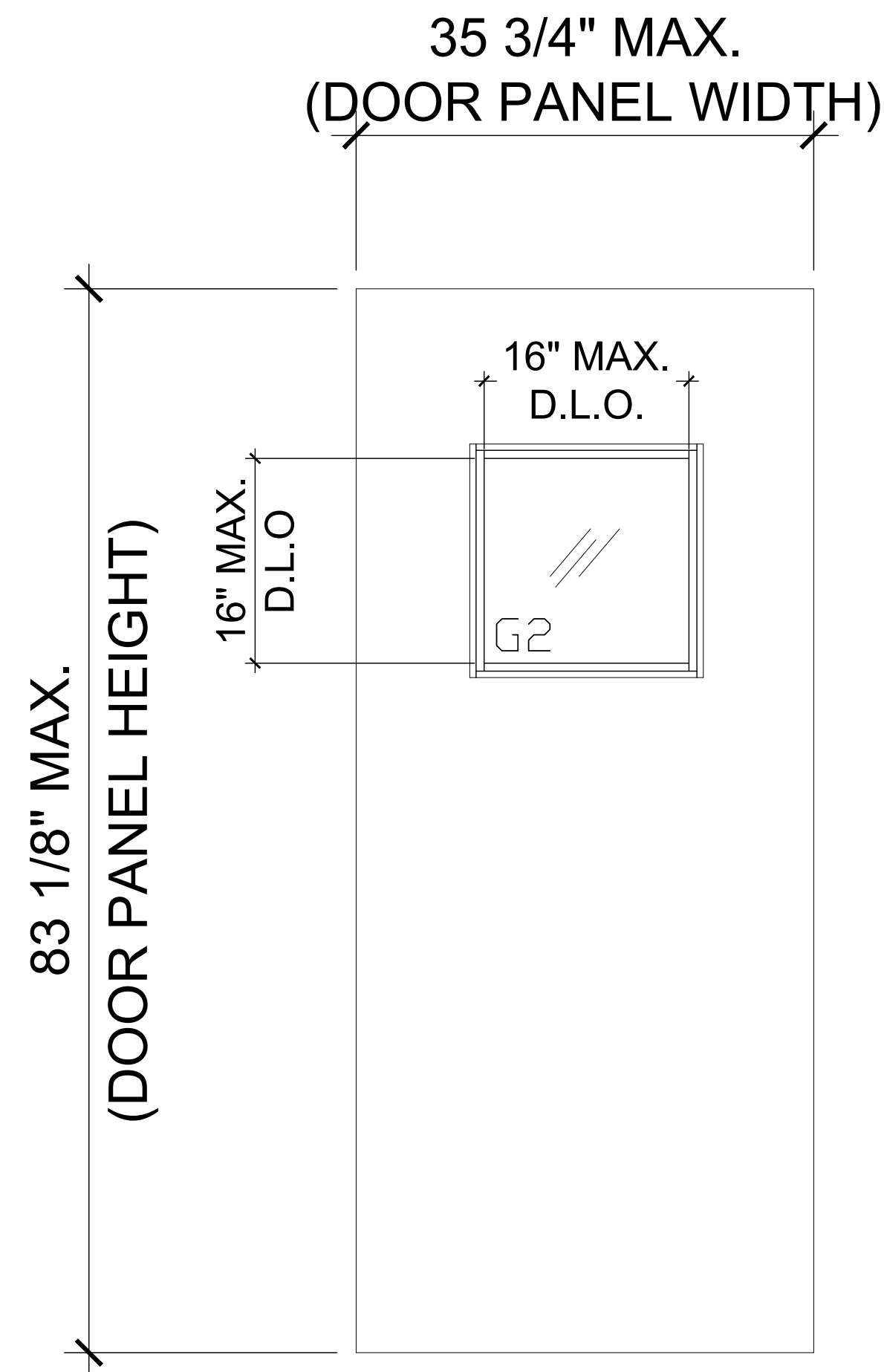
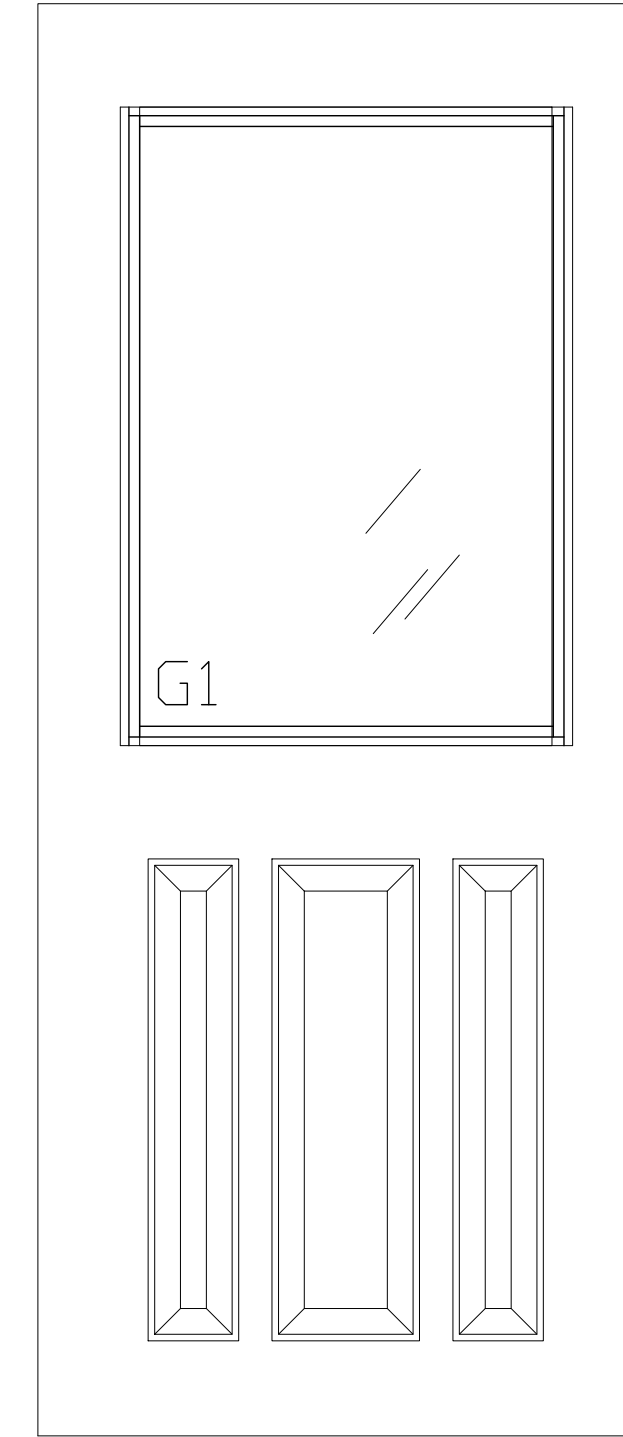
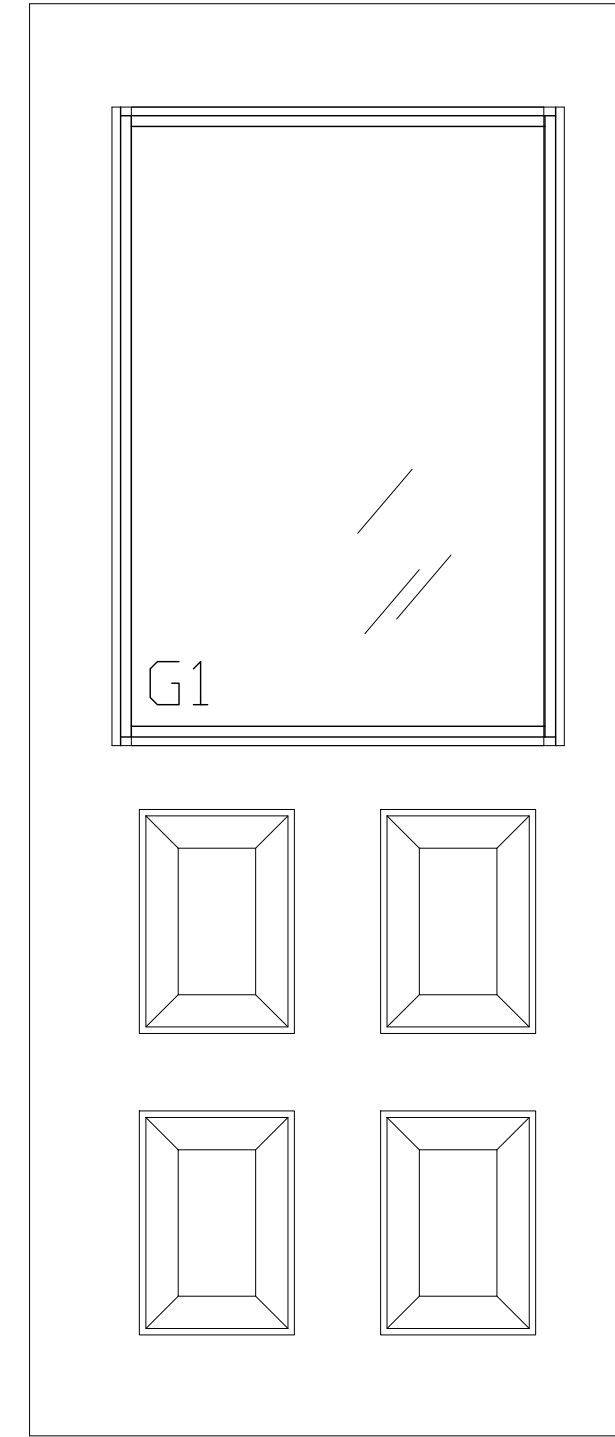
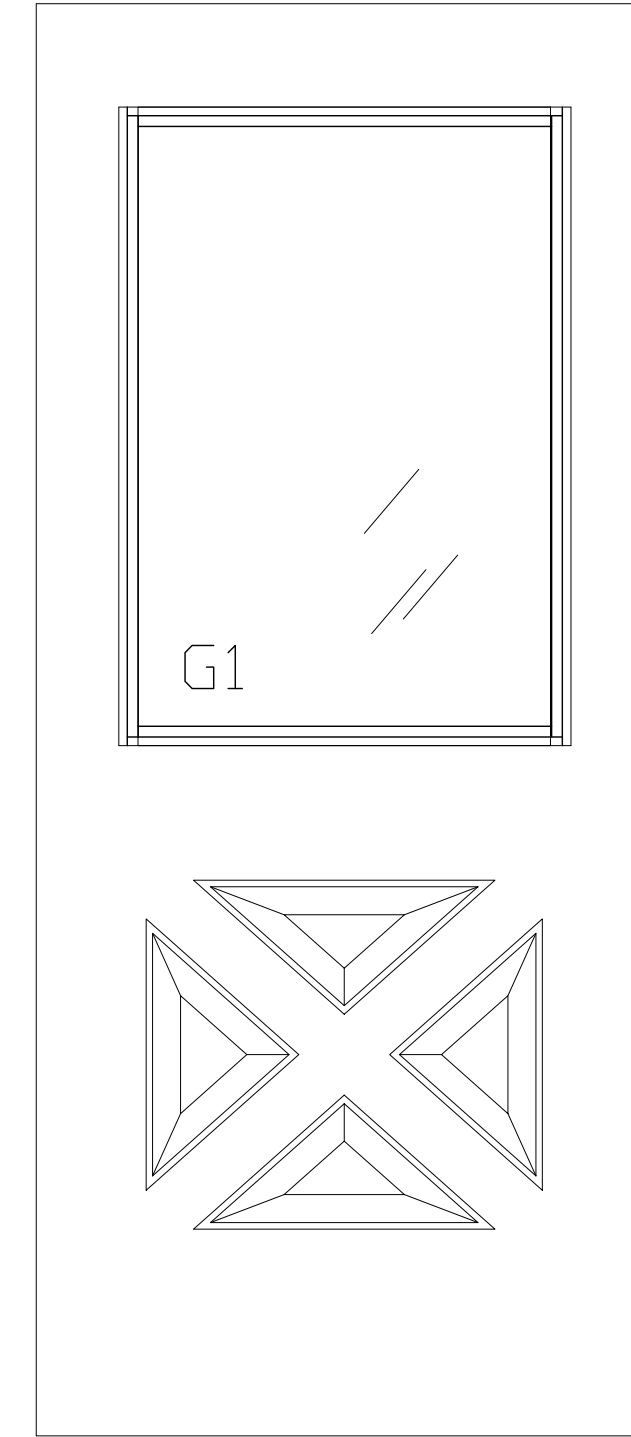
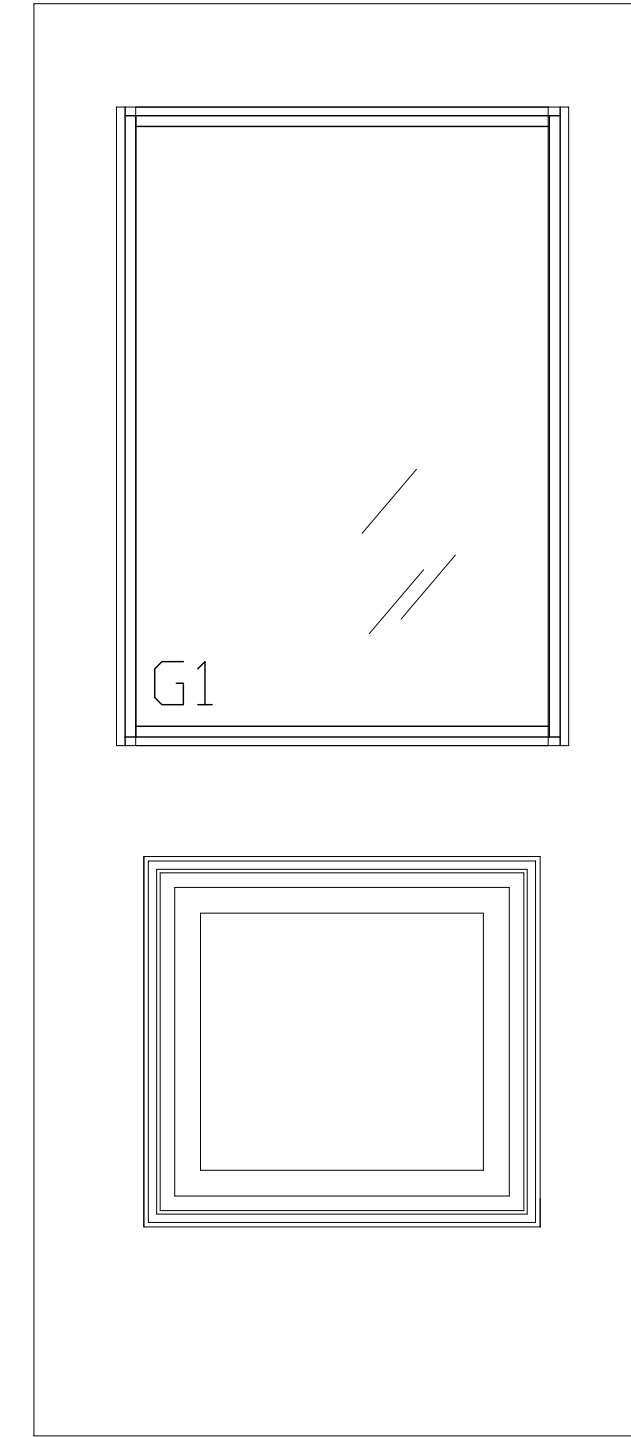
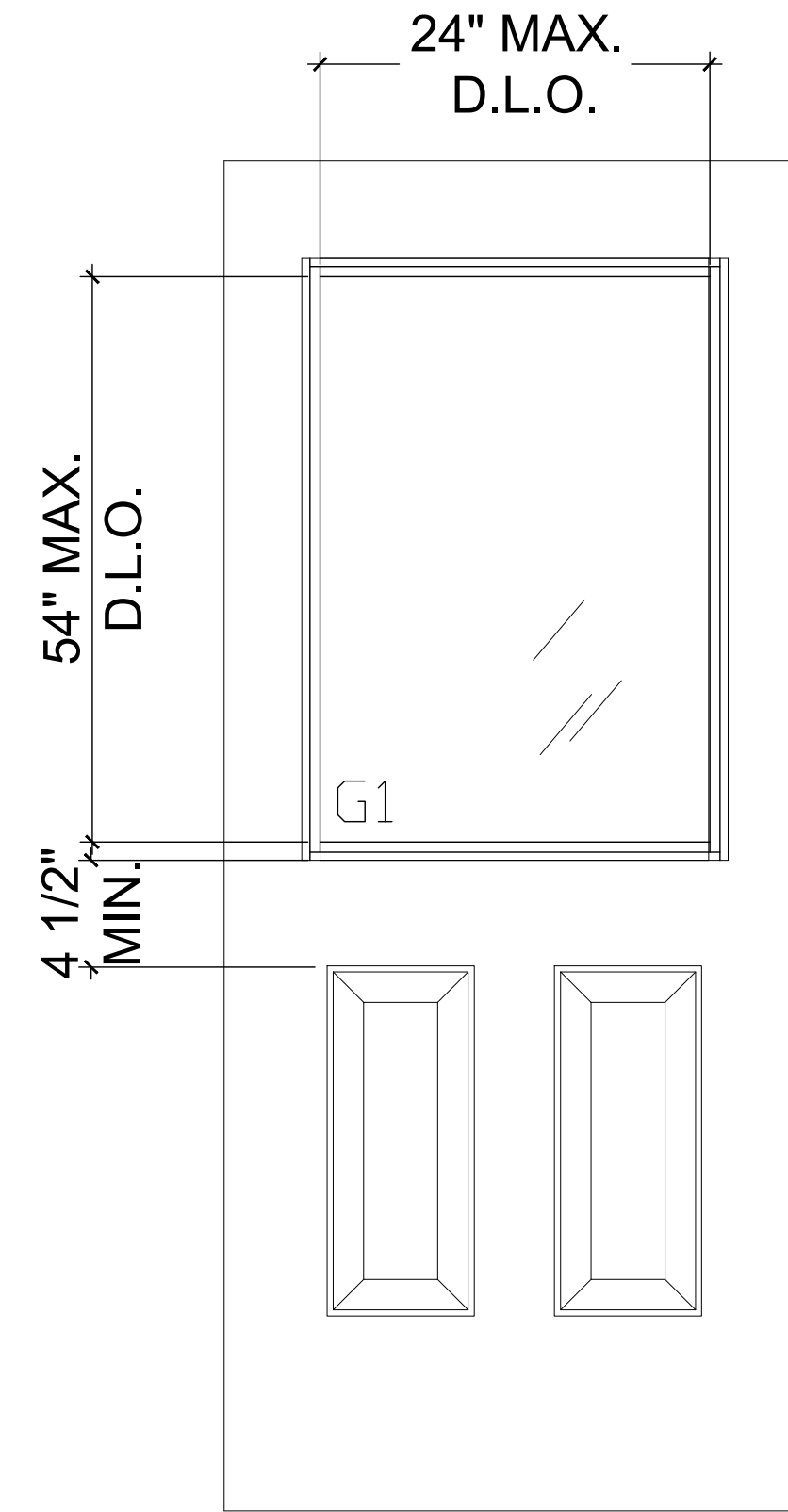
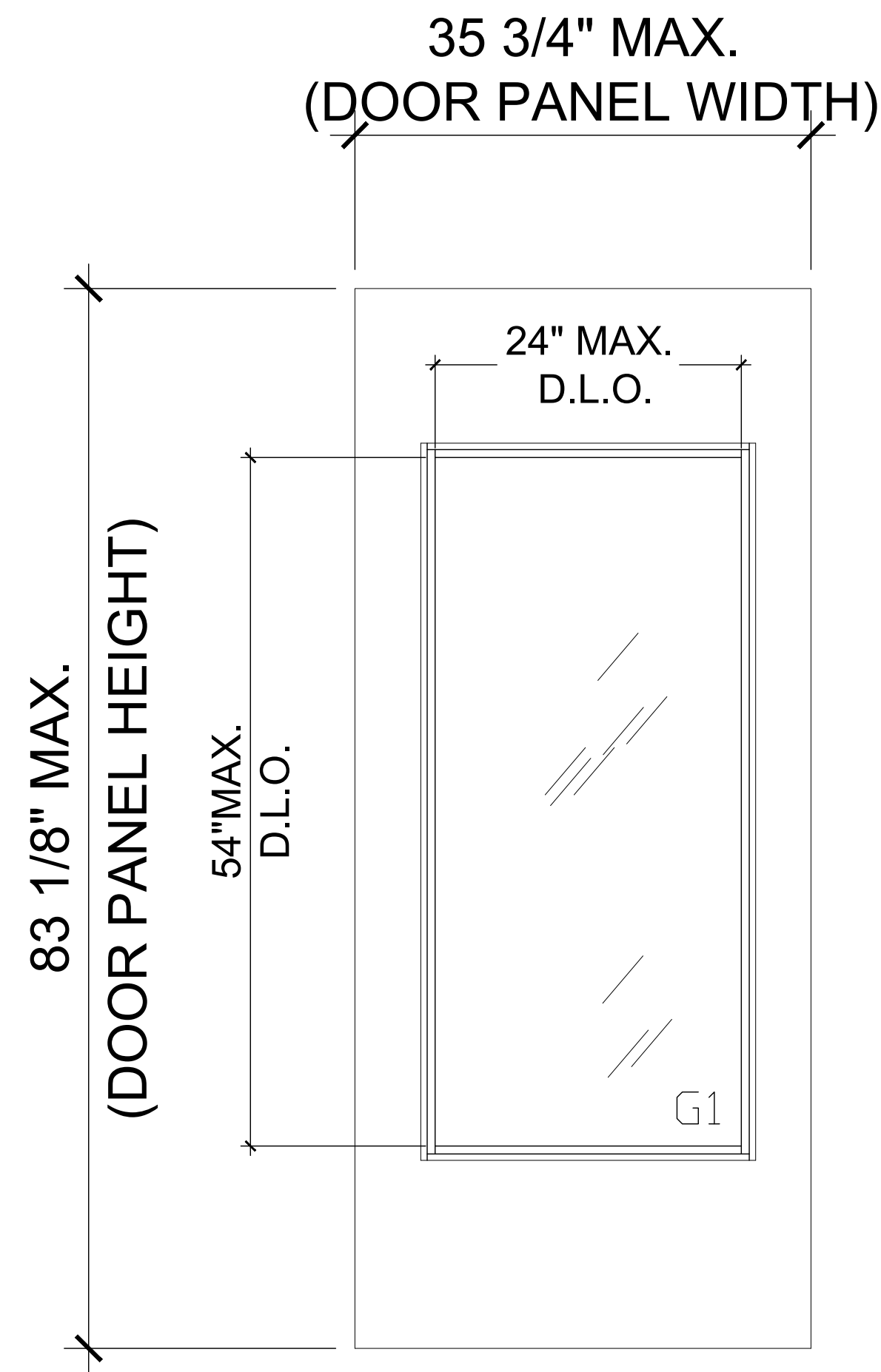
www.gensteeldoors.com

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.
AD11-05

SHEET 8 OF 9

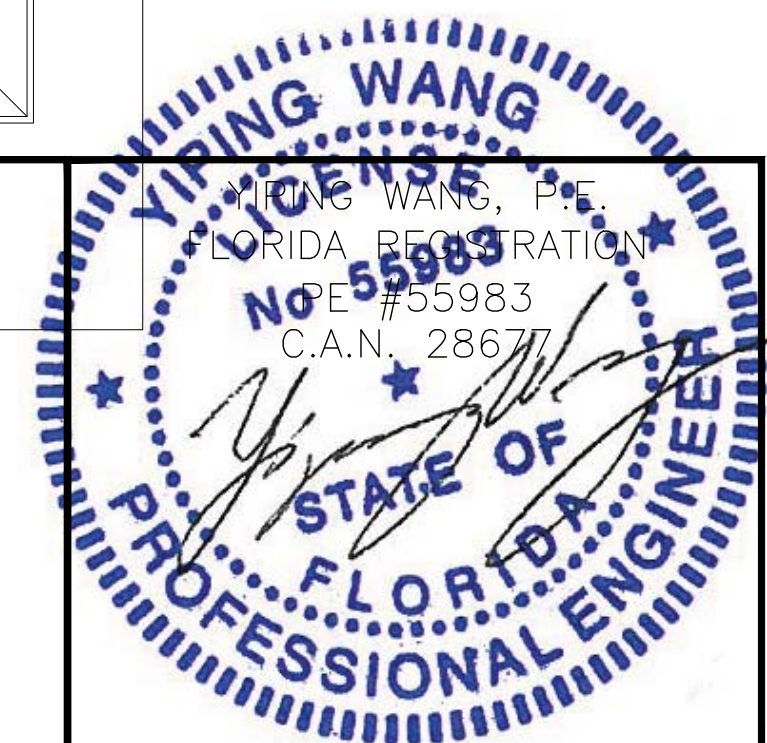


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1230.06
Expiration Date 02/23/2022
By *Shang L. Chen*
Miami-Dade Product Control

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

MIAMI DADE COUNTY

December 24th, 2020



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

DRAWING NO.
AD11-05

SHEET 9 OF 9

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

gensteeldoors
www.gensteeldoors.com

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

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

12781 Miramar Parkway #301 P: (305)271-0117
Miramar, FL 33027

www.MCYEngineering.com mcy@mcyengineering.com

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