



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.miamidadegov/economy

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 JAN 02, 2018, 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.	North American Doors Corp.
4950 Hickmore Street	2335 Industrial Park Drive	1471 Military Turnpike
Ville St. Laurent, Quebec, Canada H4T1K6	Cornwall, Ontario, Canada K6H7M4	Plattsburgh, NY 12901-1911

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 #17-0130.01** and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

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



Handwritten signature and date: *Ishaq I. Chanda*
 2/28/18

NOA No. 18-0116.19
 Expiration Date: February 23, 2022
 Approval Date: March 08, 2018
 Page 1

Gensteel Doors Inc.

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)

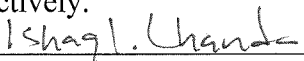
1. Tensile Test, per ASTM A370-05 item B (1) (7)
2. Tensile test report N0. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.
3. Notice of Acceptance No. **16-0208.12** issued to Polymer Extrusion Technology, Inc dba Glasslam for "Glaslam Saferty 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, P.E.
Product Control Examiner
NOA No. 18-0116.19

Expiration Date: February 23, 2022
Approval Date: March 08, 2018

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. 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 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.

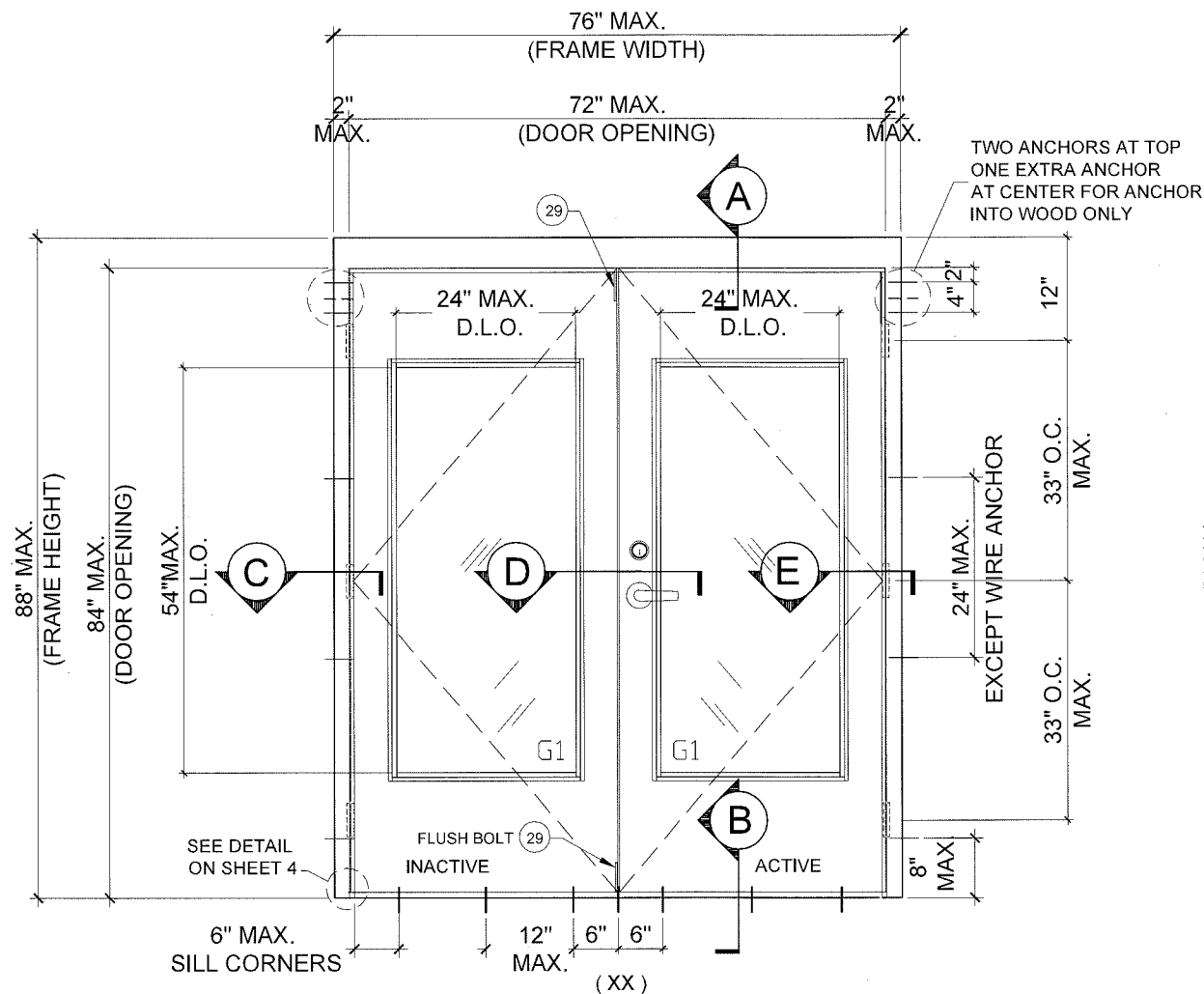
G. OTHER

1. This NOA revises # **17-0130.01**, expiring 02/23/22.

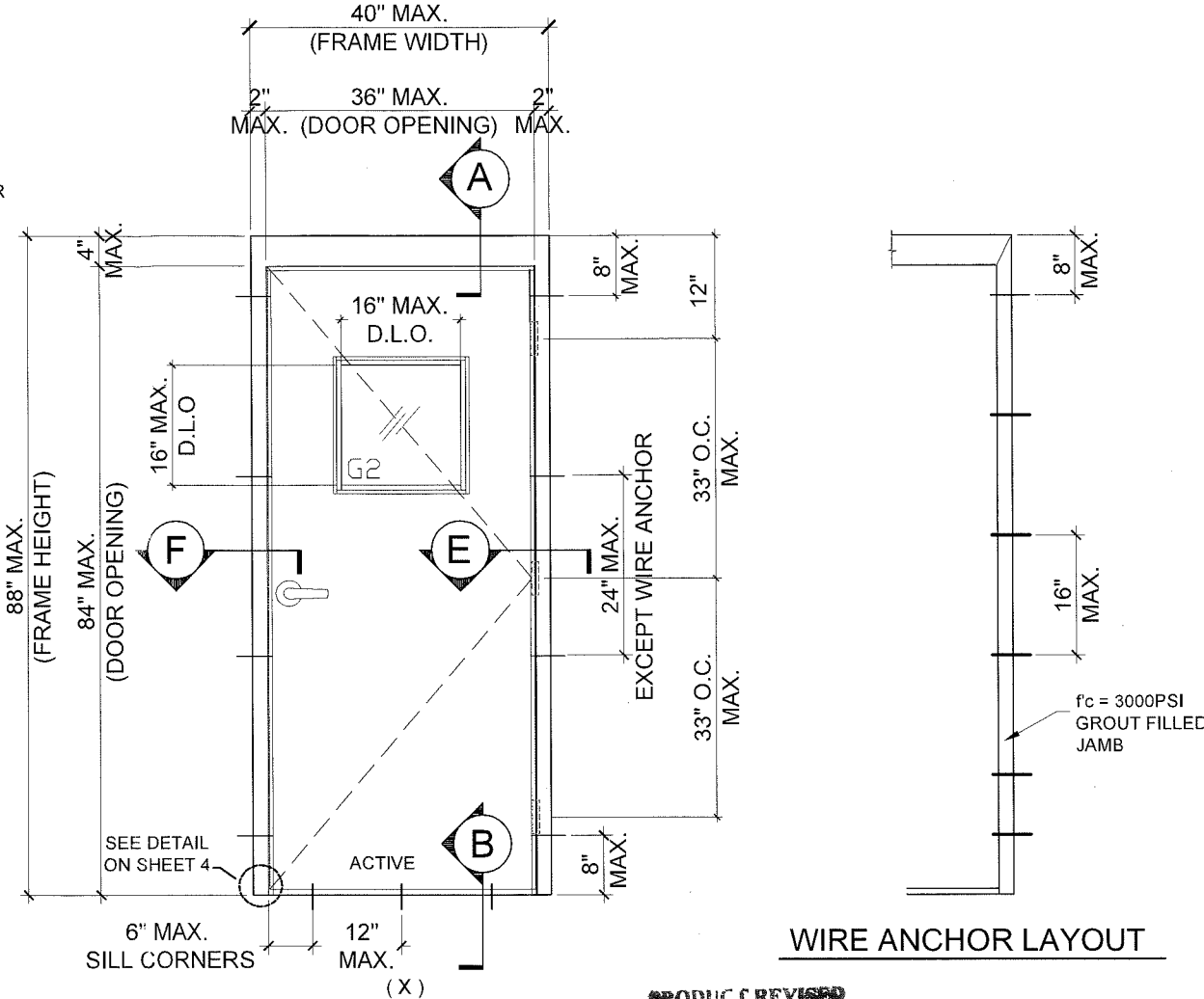


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0116.19

Expiration Date: February 23, 2022
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TYPICAL EXTERIOR ELEVATION
(DOUBLE PANEL INSWING DOOR)



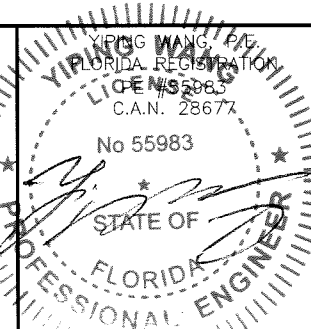
TYPICAL EXTERIOR ELEVATION
(SINGLE PANEL INSWING DOOR)

WIRE ANCHOR LAYOUT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 18-0116.19
Expiration Date 2/23/2022
Yiping Wang
Miami Dade Product Control

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 -65.0PSF	+65.0 PSF -65.0PSF	+65.0 PSF -65.0PSF	+65.0 PSF -65.0PSF
APPROVED FOR WATER INFILTRATION	+33.0 PSF -65.0PSF	+33.0 PSF -65.0PSF	+65.0 PSF -65.0PSF	+33.0 PSF -65.0PSF

JAN 02 2018



MIAMI DADE COUNTY

SERIES GENSTORM GLAZED INSWING STEEL DOOR (LMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) 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 6TH EDITION FLORIDA BUILDING CODE (2017) 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.

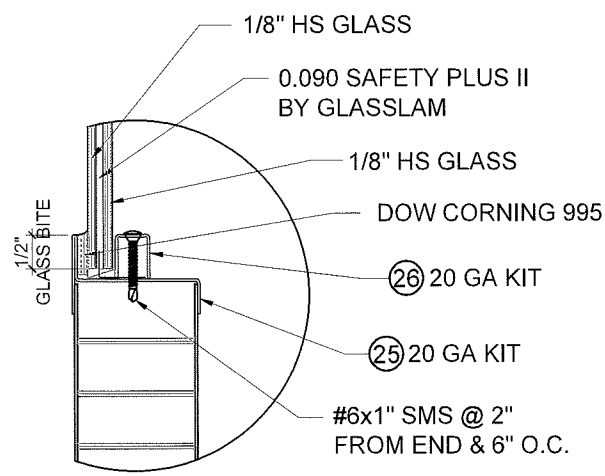
NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL. 33183 F: 786.573.5063
www.MCYEngineering.com MCY.Engineering@Att.net

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

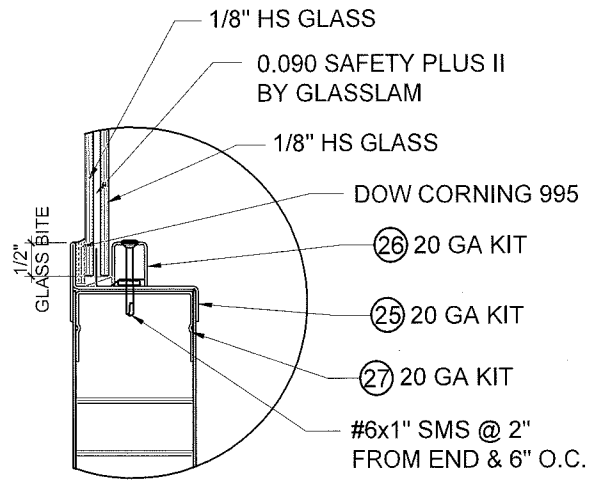
DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	1 OF 9

EXTERIOR SIDE



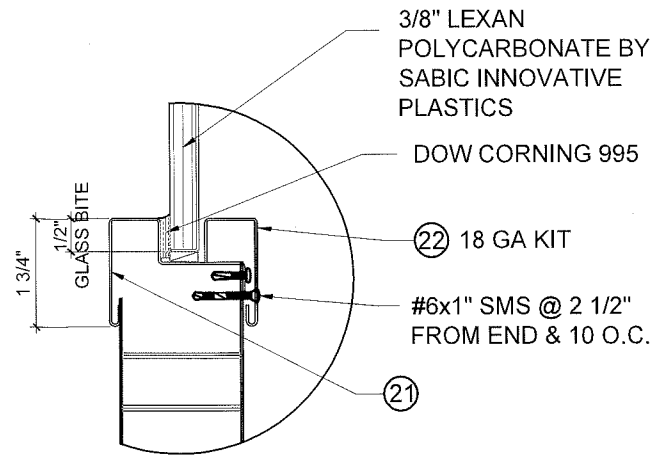
G1: GLASS TYPE "A"
WITH LITE KIT #3

EXTERIOR SIDE



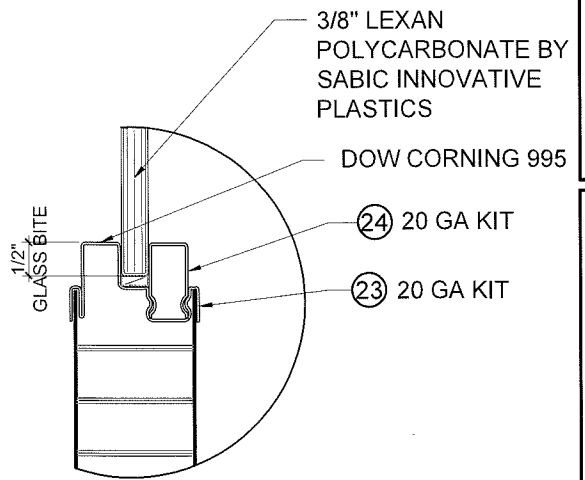
G1: GLASS TYPE "A"
WITH LITE KIT #4

EXTERIOR SIDE

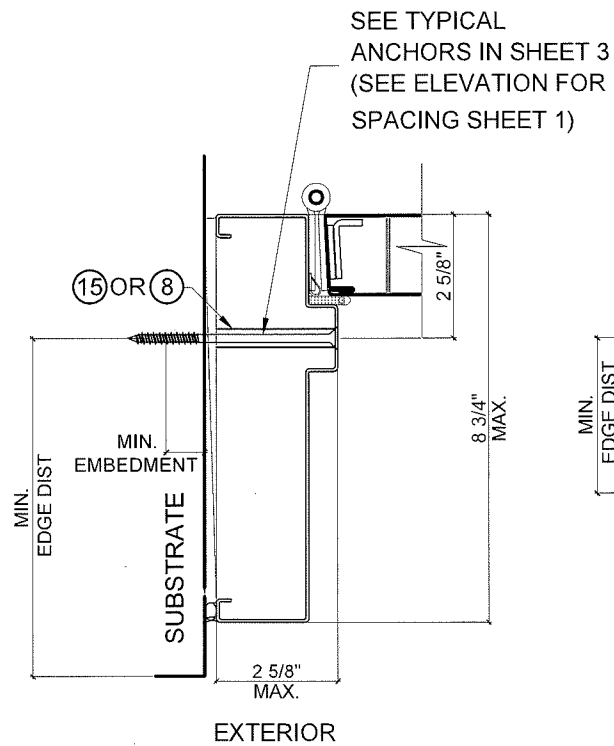


G2: GLASS TYPE "B"
WITH LITE KIT #1

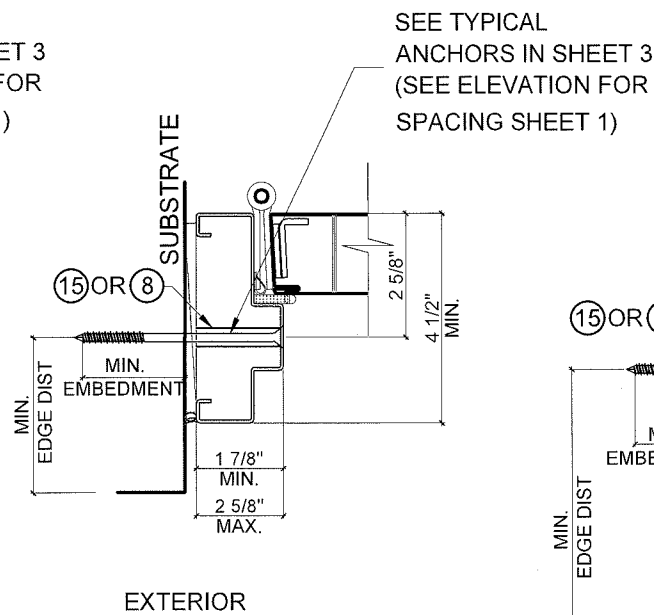
EXTERIOR SIDE



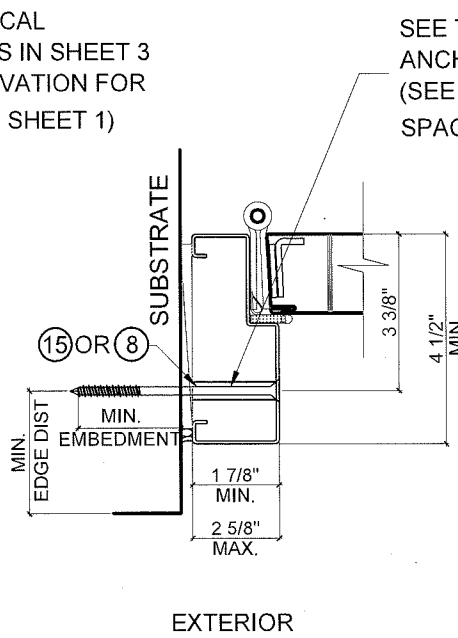
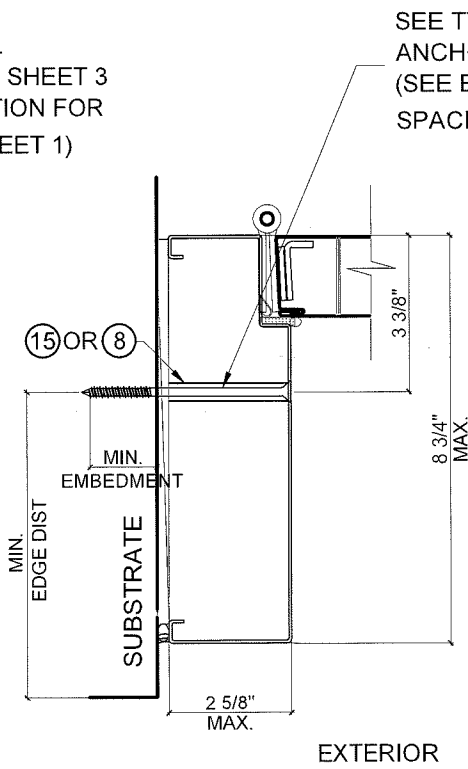
G2: GLASS TYPE "B"
WITH LITE KIT #2



DOUBLE RABBET ANCHOR LOCATION



SINGLE RABBET ANCHOR LOCATION



PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 18-0116.19
Expiration Date 2/23/22
By: [Signature]
Engineer/Architect/Professional Control

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

NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE

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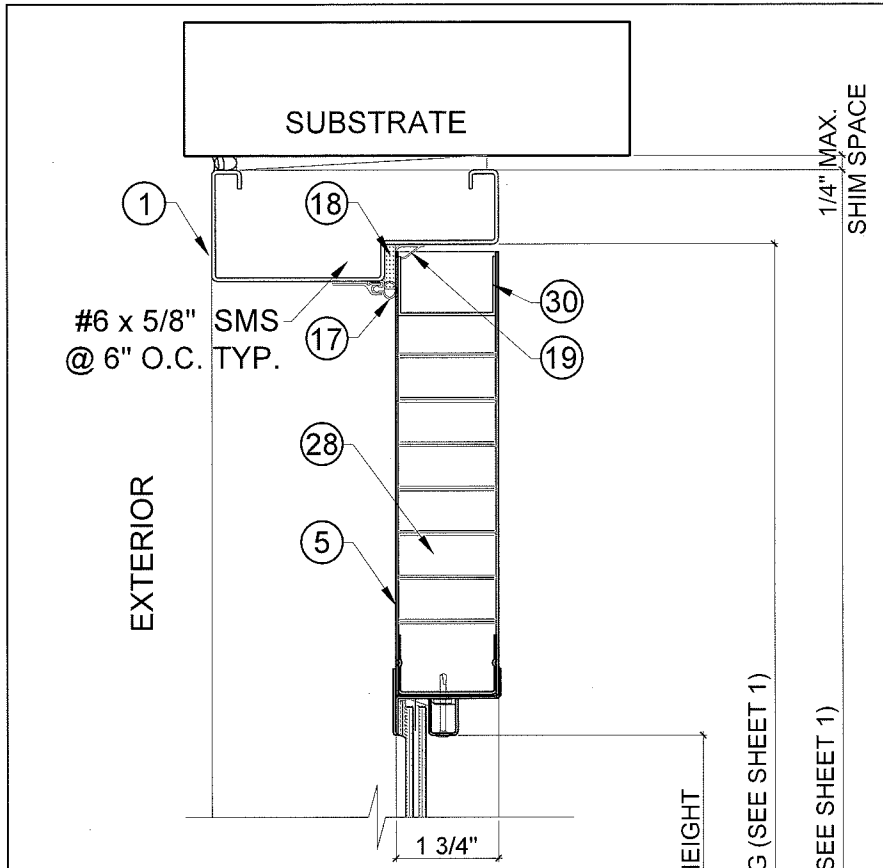
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JAN 03 2018

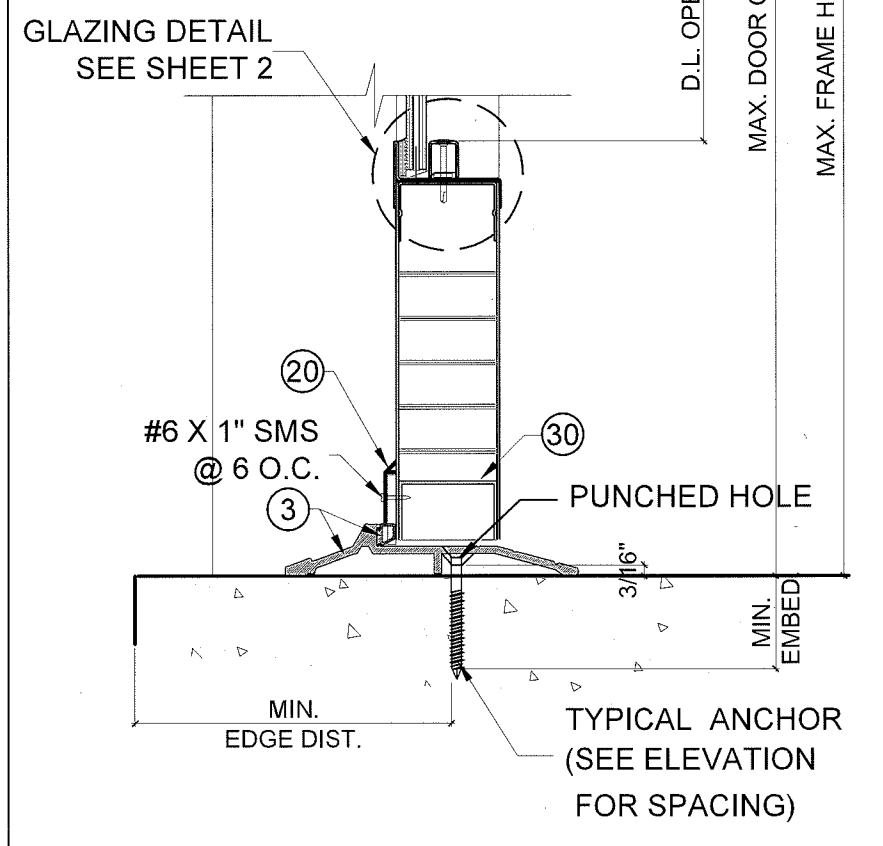
MIAMI DADE COUNTY

FLORIDA REGISTERED PROFESSIONAL ENGINEER

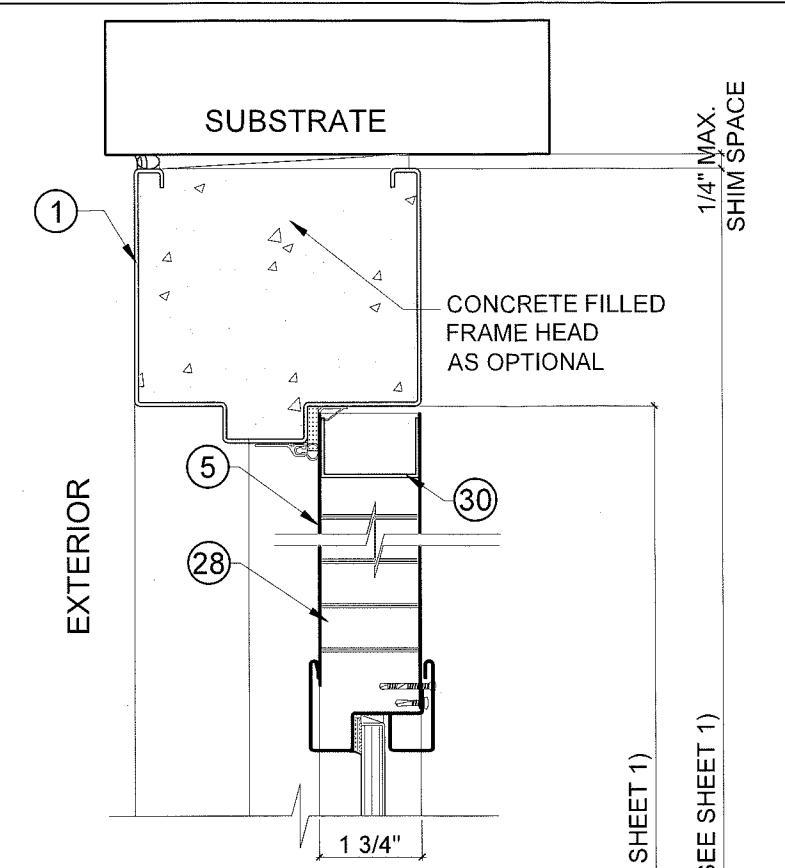
DATE 02-02-12
SCALE NTS
DRAWN S.L.
PROJECT 11-007
DRAWING NO. AD11-05
SHEET 2 OF 9



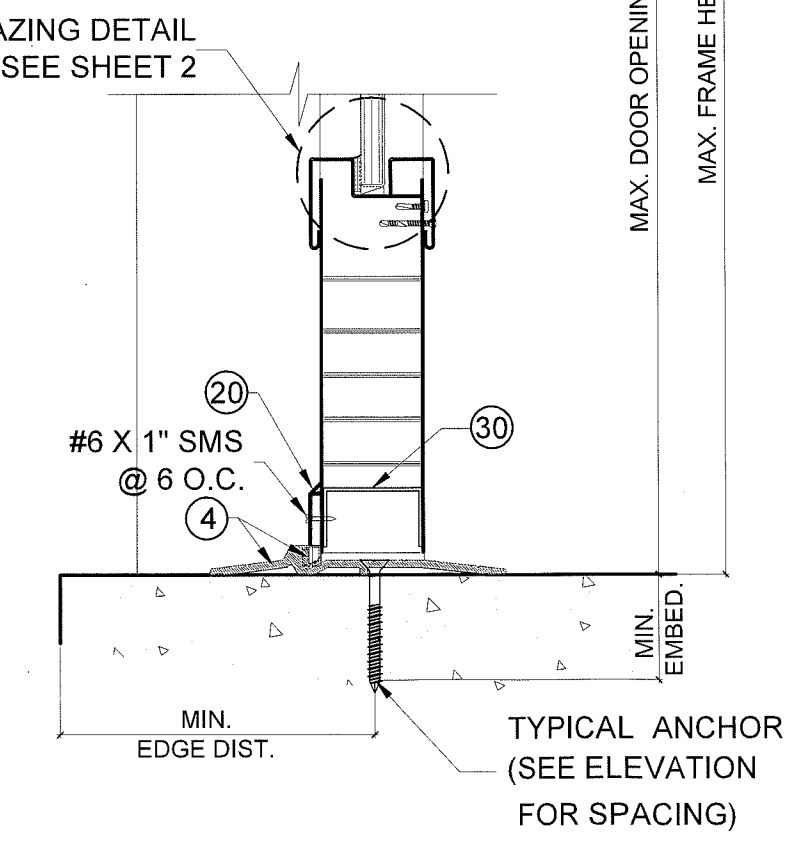
HEAD DETAIL (SINGLE RABBET FRAME) A



TYPICAL PEMKO 177-AT THRESHOLD WATER RATED THRESHOLD (SEE Dp TABLE ON SHEET 1) B



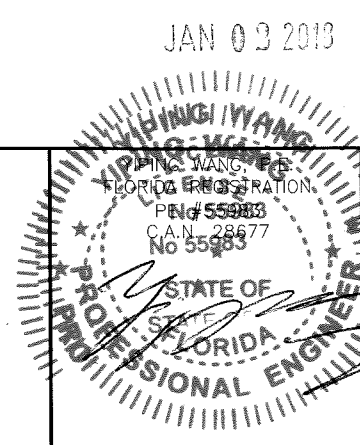
HEAD DETAIL (DOUBLE RABBET FRAME) A



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

- TYPICAL ANCHORS @ JAMB: (REFER TO ELEVATION FOR SPACING)**
- TYPE A.** 5/16" DIA. ULTRACON BY 'ELCO' 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. OR 5/16" DIA. ULTRACON BY 'ELCO' 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
Acceptance No. 18-0116.19
Expiration Date 2/23/22
By: [Signature] Product Control



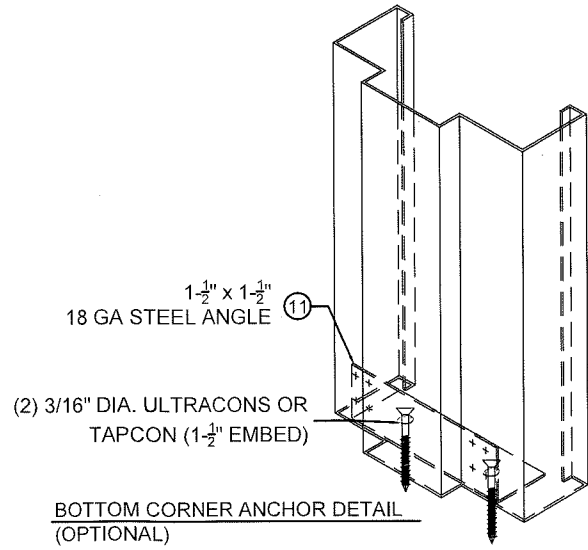
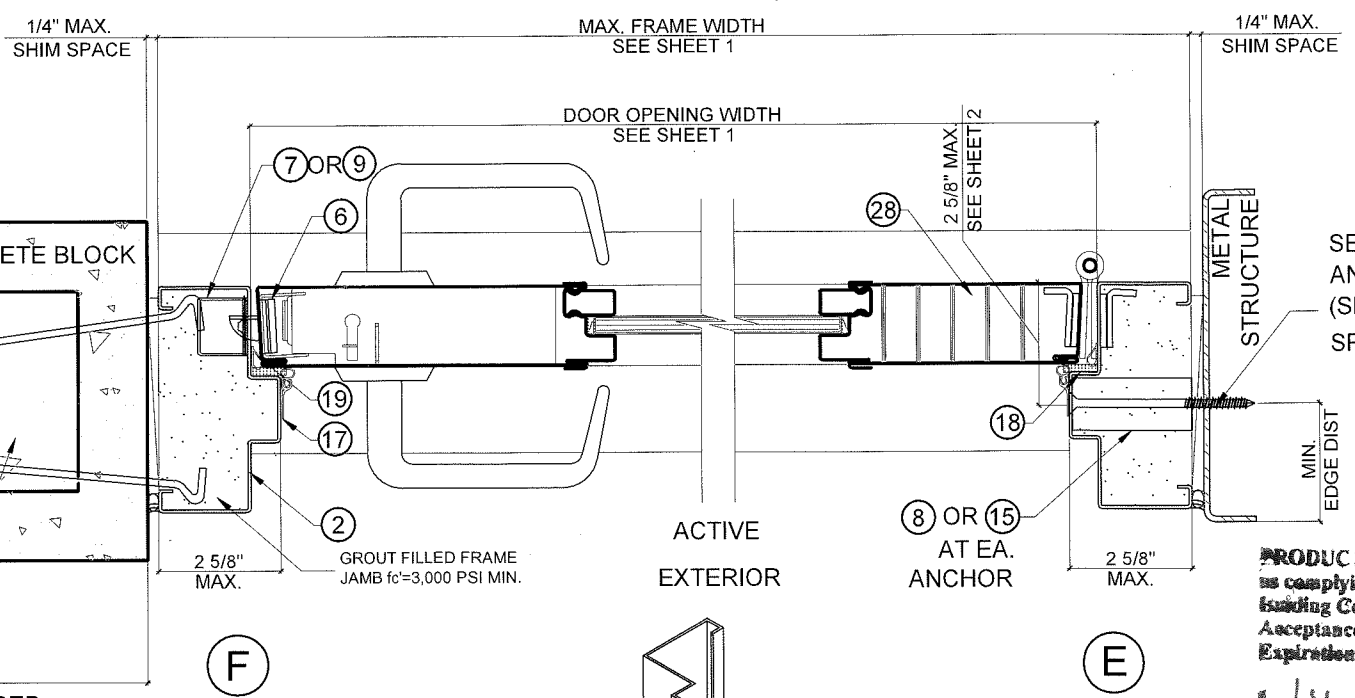
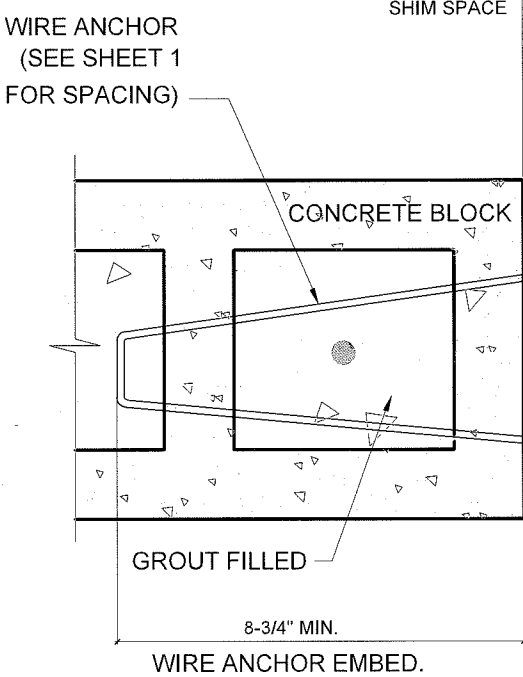
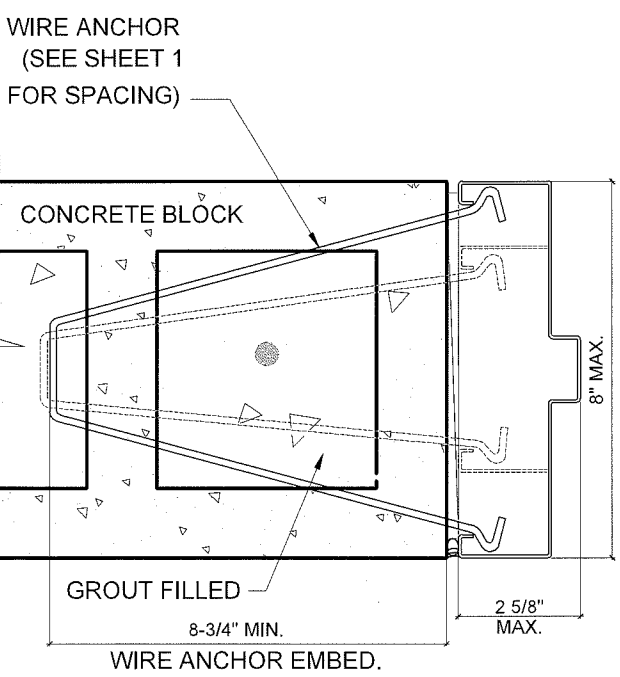
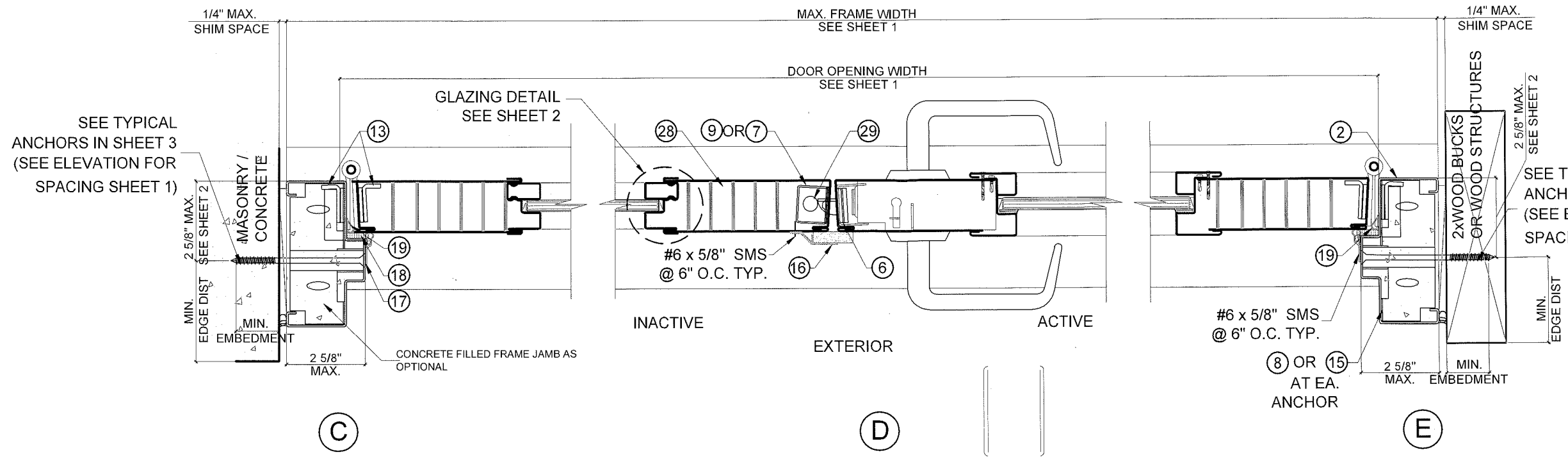
MIAMI DADE COUNTY

NO.	DATE	DESCRIPTION
1	12/16/16	FBC UPDATE

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GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A P. 305.271.0117
MIAMI, FL. 33183 F. 786.573.5063
www.MCYEngineering.com MCY.Engineering@Att.net

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DATE	02-02-12
SCALE	NTS
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	3 OF 9

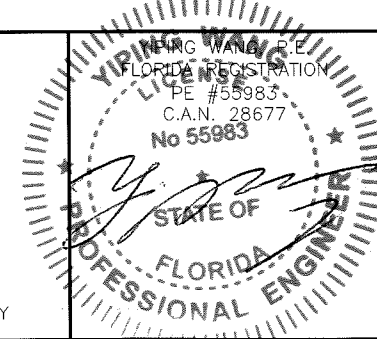


PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 18-016-19
 Expiration Date 2/23/22
 [Signature]
 Senior Design Product Control

JAN 03 2018

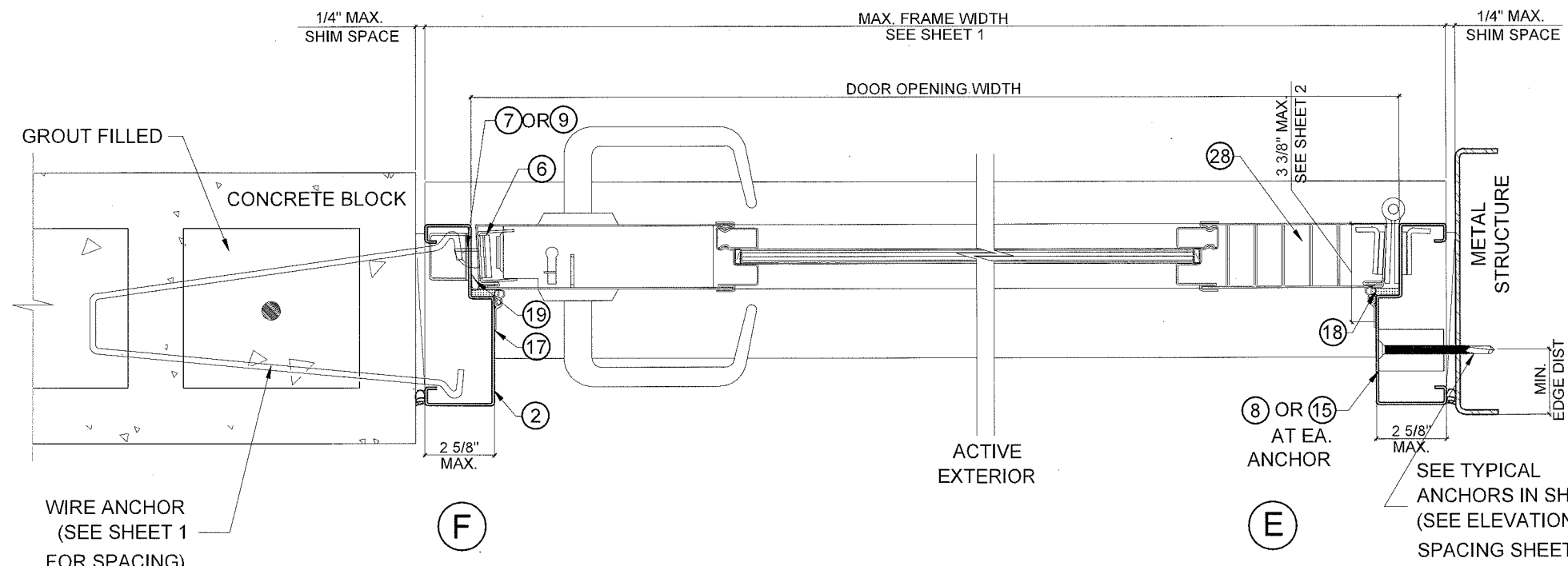
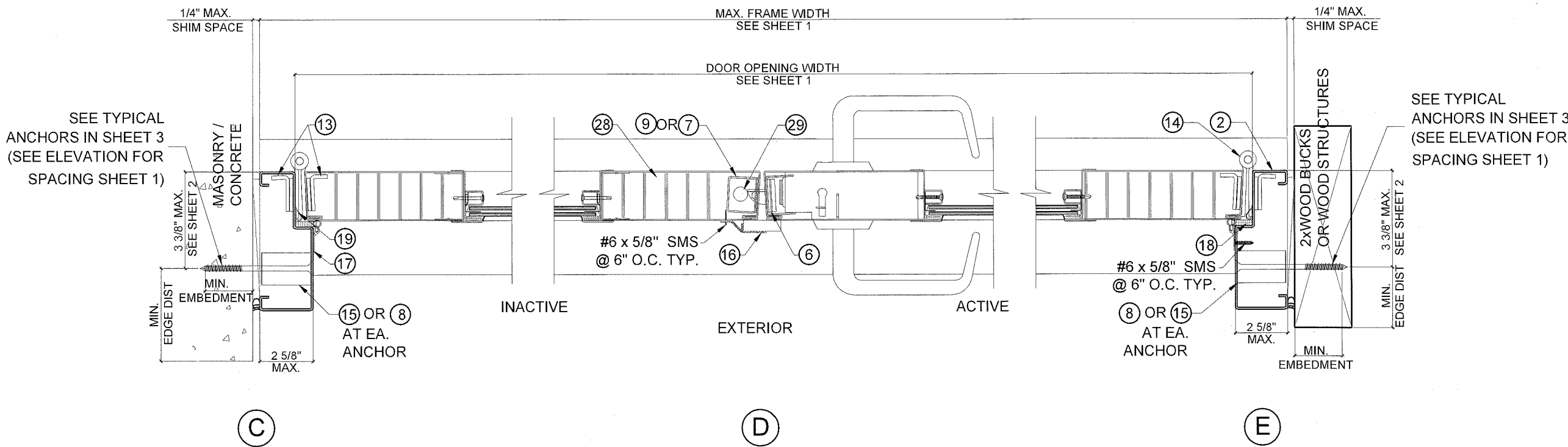
DOOR SECTION DETAILS
 FOR DOUBLE RABBET DOOR FRAMES

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



MIAMI DADE COUNTY

REVISIONS NO. DATE DESCRIPTION 12/16/16 2014 FBC UPDATE	
MCY ENGINEERING, INC. GLAZING CONSULTANTS 8501 SW 124 AVE. STE. 205A P: 305.271.0117 MIAMI, FL. 33183 F: 786.573.5063 www.MCYEngineering.com MCY.Engineering@Att.net	
GENSTORM GLAZED INSULATED STEEL DOOR (LMI) www.gensteeldoors.com 4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6 Tel: (514) 733-3562 Fax: (514) 733-1932	
DATE 02-02-12 SCALE NTS. DRAWN S.L. PROJECT 11-007	DRAWING NO. AD11-05 SHEET 4 OF 9



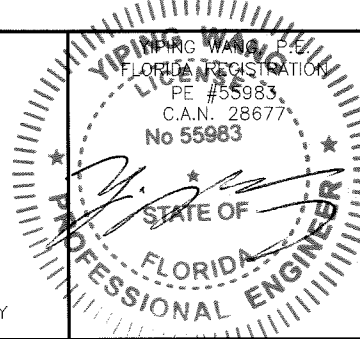
DOOR SECTION DETAILS
FOR SINGLE RABBIT DOOR FRAMES

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-0116.19
Expiration Date 2/22/22
Shas I. Chant
Product Control

NO.	DATE	DESCRIPTION
1	12/16/16	FBC UPDATE

MCY
MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 8501 SW 124 AVE. STE. 205A P. 305.271.0117
 MIAMI, FL. 33183 F. 786.573.5063
 www.MCYEngineering.com MCY.Engineering@Att.net

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



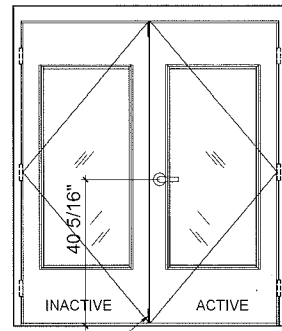
MIAMI DADE COUNTY

DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
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)

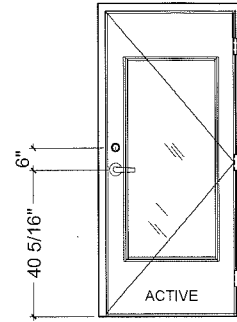


FLUSH BOLT
(XX)

OPTION 1

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

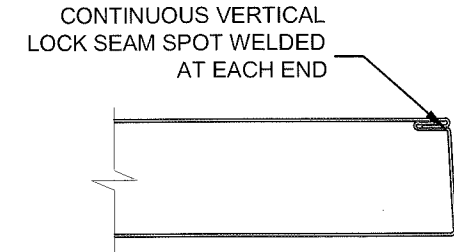
INACTIVE LEAF:
STRIKE FOR LOCKSET.
IVES FB 458 MANUAL FLUSH BOLT
(TOP & BOTTOM)



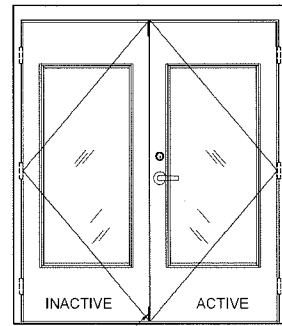
(X)

OPTION 4

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



DOOR EDGE CONSTRUCTION

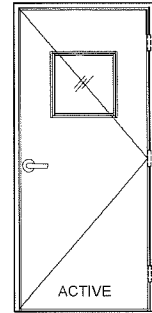


FLUSH BOLT
(XX)

OPTION 2

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

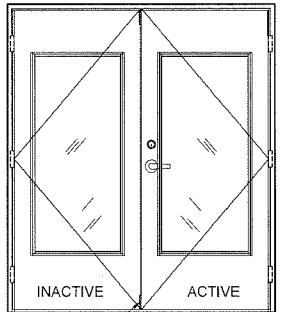
INACTIVE LEAF:
STRIKE FOR LOCKSET.
STRIKES FOR DEADLOCK.
IVES FB 458 MANUAL FLUSH BOLT
TOP & BOTTOM



(X)

OPTION 5

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

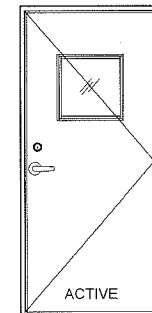


FLUSH BOLT
(XX)

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

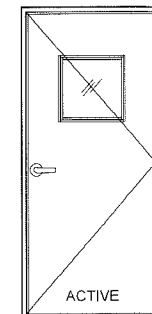


(X)

OPTION 6

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-0116-19
Expiration Date 2/27/22
By: [Signature]
Miami Steel Products Control



(X)

OPTION 7

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

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

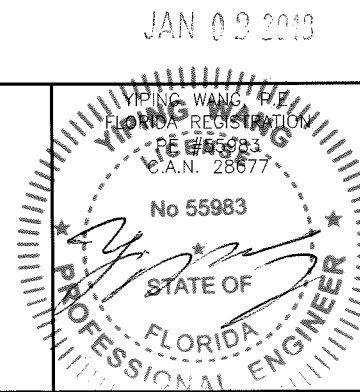
HARDWARE LOCATIONS: ALL THESE DOORS WERE MANUFACTURED WITH THE CYLINDRICAL, LEVER, OR KNOBS AT 40-5/16" C.L. FROM THE BOTTOM OF THE FRAMES. ALL THE DEADLOCKS WERE POSITIONED 46-5/16" FROM THE BOTTOM OF THE FRAMES.

NO.	DATE	DESCRIPTION
A	12/16/16	FBC UPDATE

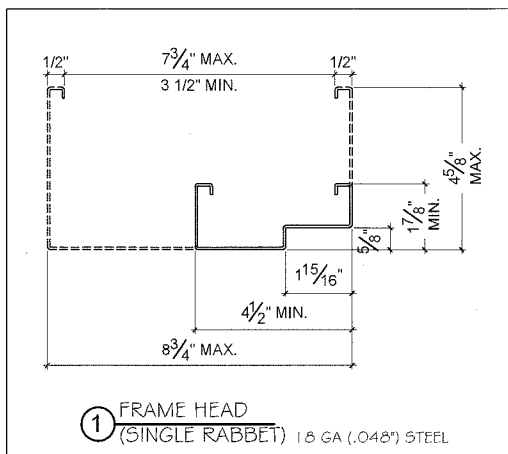
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL 33183 F: 786.573.5063
www.MCYEngineering.com MCY.Engineering@Att.net

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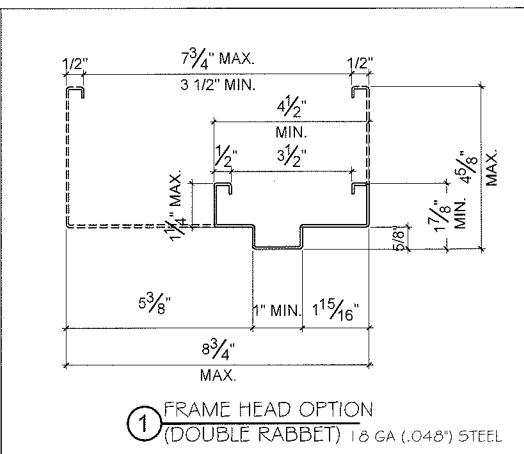
DATE	02-02-12
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DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	6 OF 9



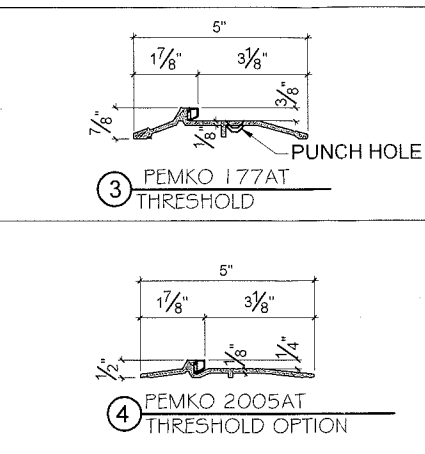
MIAMI DADE COUNTY



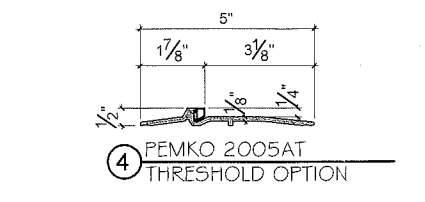
① FRAME HEAD (SINGLE RABBET) 18 GA (.048) STEEL



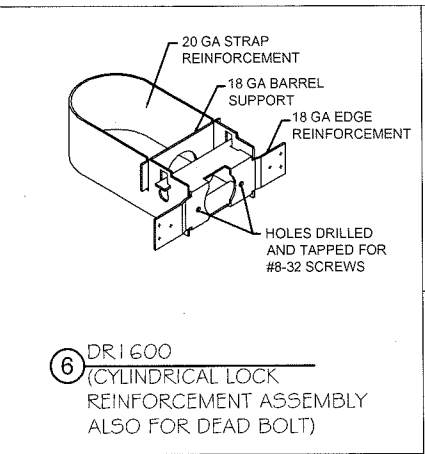
① FRAME HEAD OPTION (DOUBLE RABBET) 18 GA (.048) STEEL



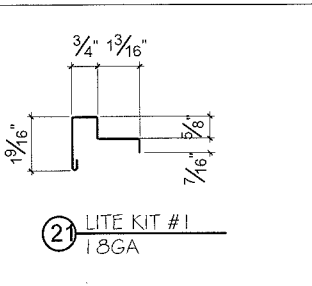
③ PEMKO 177AT THRESHOLD



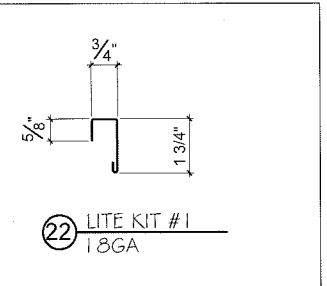
④ PEMKO 2005AT THRESHOLD OPTION



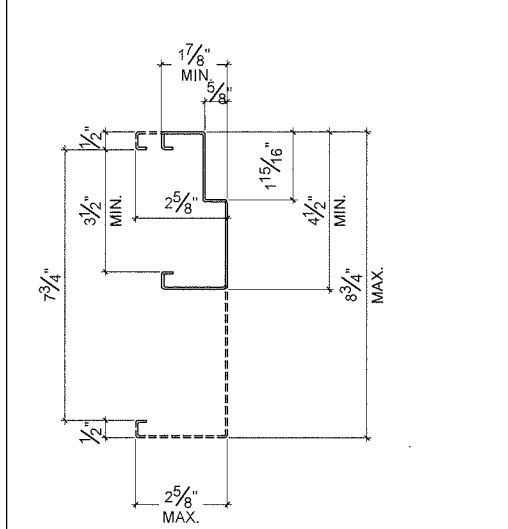
⑥ DR1600 (CYLINDRICAL LOCK REINFORCEMENT ASSEMBLY ALSO FOR DEAD BOLT)



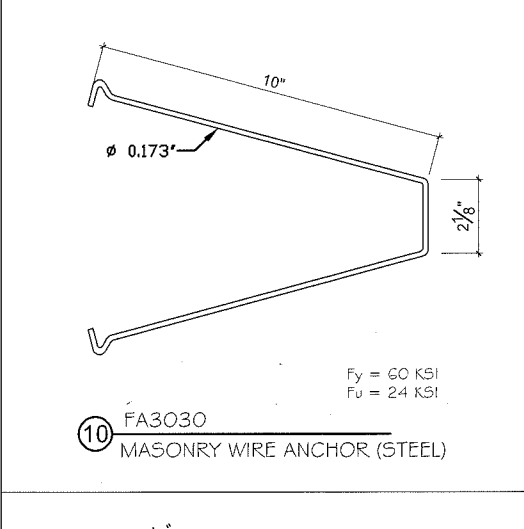
②1 LITE KIT #1 18GA



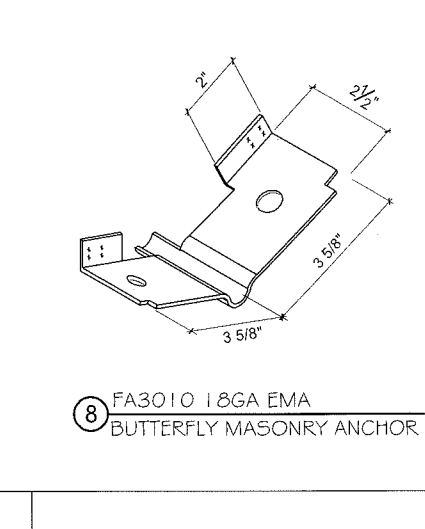
②2 LITE KIT #1 18GA



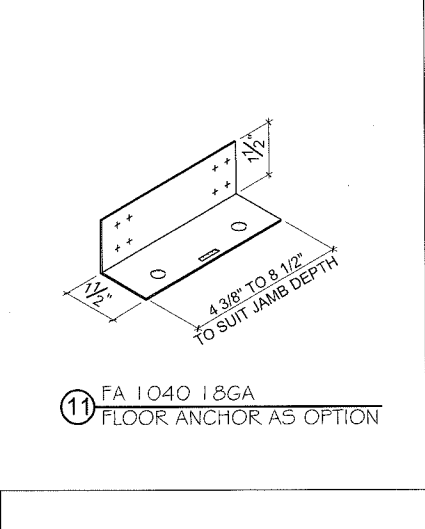
② FRAME JAMB (SINGLE RABBET) 18 GA (.048) STEEL



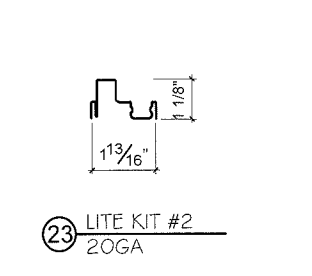
⑩ FA3030 MASONRY WIRE ANCHOR (STEEL)
Fy = 60 KSI
Fu = 24 KSI



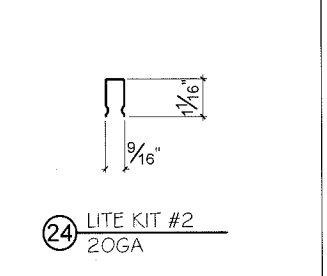
⑧ FA3010 18GA EMA BUTTERFLY MASONRY ANCHOR



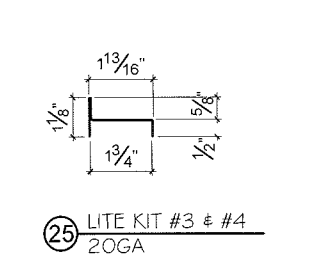
⑪ FA1040 18GA FLOOR ANCHOR AS OPTION



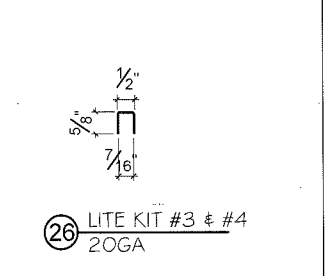
②3 LITE KIT #2 20GA



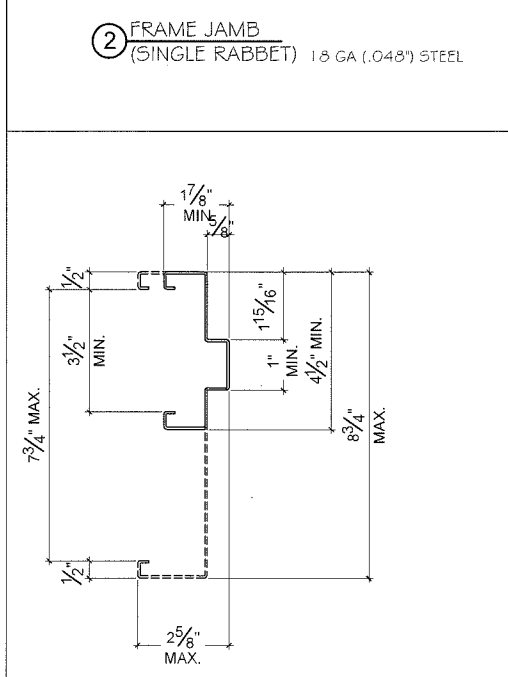
②4 LITE KIT #2 20GA



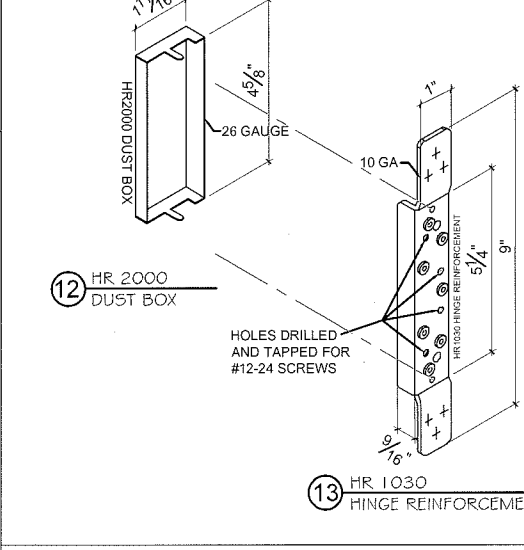
②5 LITE KIT #3 & #4 20GA



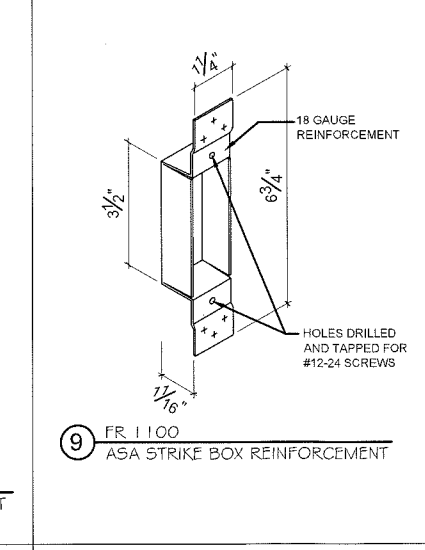
②6 LITE KIT #3 & #4 20GA



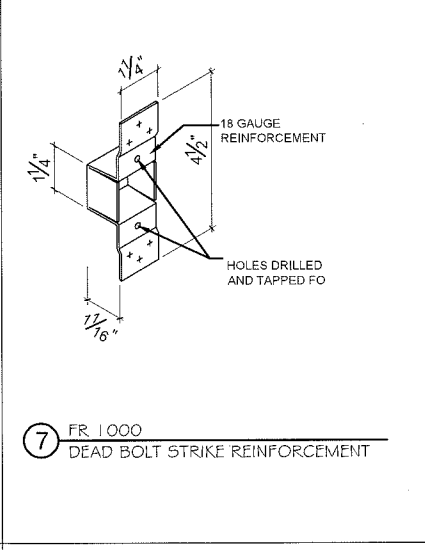
② FRAME JAMB OPTION (DOUBLE RABBET) 18 GA (.048) STEEL



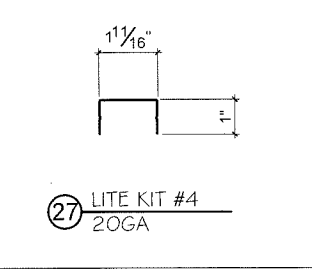
⑫ HR 2000 DUST BOX



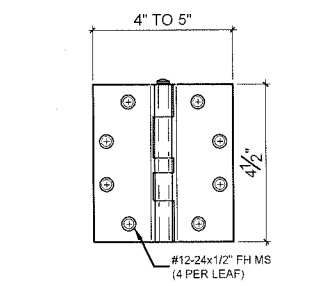
⑨ FR 1100 ASA STRIKE BOX REINFORCEMENT



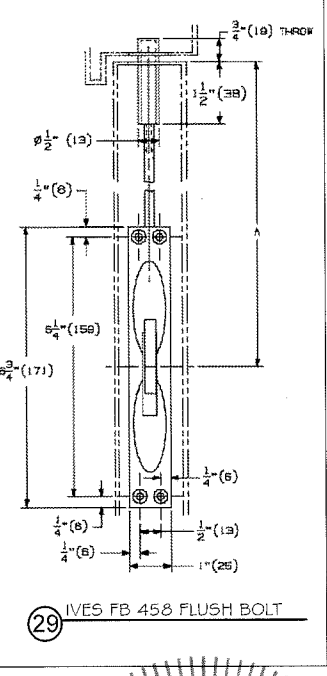
⑦ FR 1000 DEAD BOLT STRIKE REINFORCEMENT



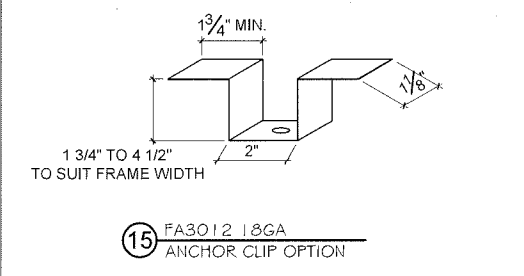
②7 LITE KIT #4 20GA



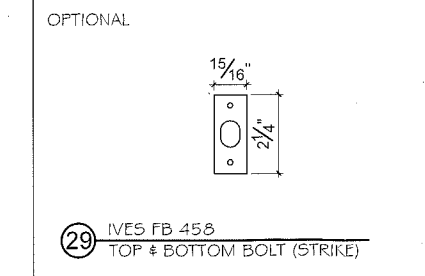
⑭ 0.134" THICK STEEL HINGE



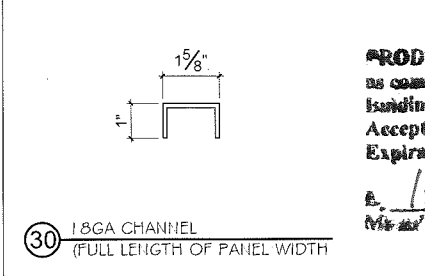
⑲ IVES FB 458 FLUSH BOLT



⑮ FA3012 18GA ANCHOR CLIP OPTION

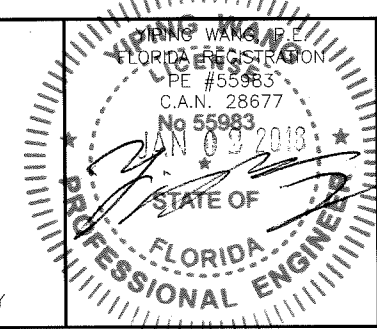


⑲ IVES FB 458 TOP & BOTTOM BOLT (STRIKE)



⑳ 18GA CHANNEL (FULL LENGTH OF PANEL WIDTH)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 18-0116-19
Expiration Date 2/23/22
By: *Sheng Chank*
Miami Code Product Control



MIAMI DADE COUNTY

NO.	DATE	DESCRIPTION
1	12/16/16	2014 PBC UPDATE

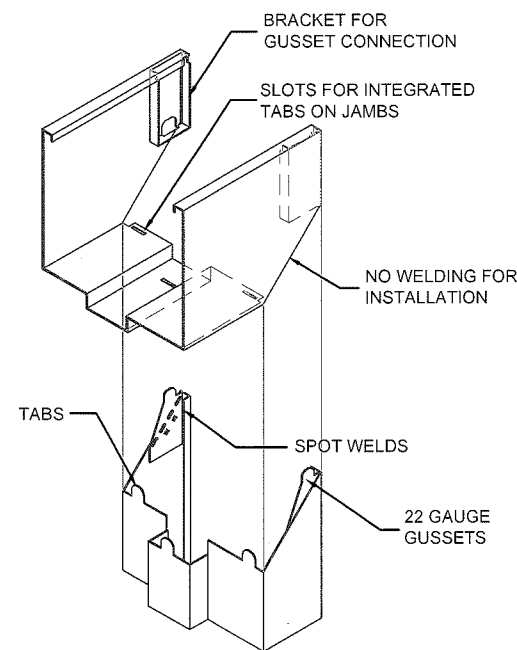
MCY ENGINEERING, INC.
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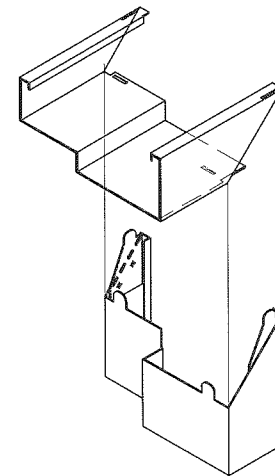
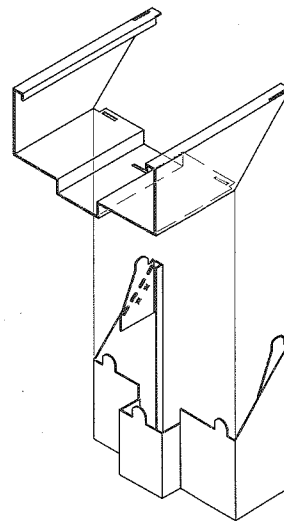
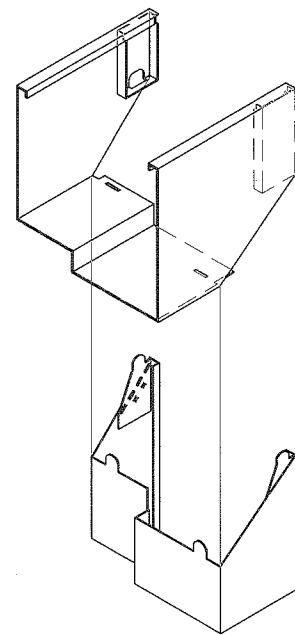
DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	7 OF 9

BILL OF MATERIALS

ITEM	PART No.	MATERIAL	QTY.	DESCRIPTION	MANUFACTURER/SUPPLIER/ REMARKS
1	-	STEEL DR ST/ST	AS REQD.	FRAME HEAD	18 GA. (0.048MIN.) Fy= 47.3 KSI MIN.
2	-	STEEL DR 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 DR 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 BDX	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



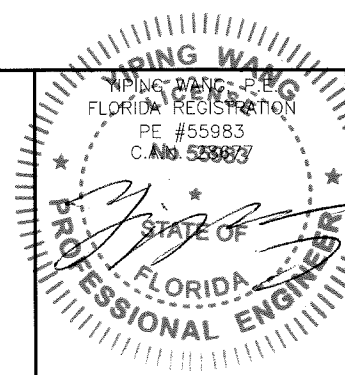
CORNER FRAME CONSTRUCTION



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
to comply with the Florida Building Code
Acceptance No. 18-0116.19
Expiration Date 7/23/22
Shing Li
Miami Door Product Control

JAN 02 2018



MIAMI DADE COUNTY

DATE	02-02-12
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DRAWN	S.L.
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SHEET	8 OF 9

REVISIONS

NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE

MCY

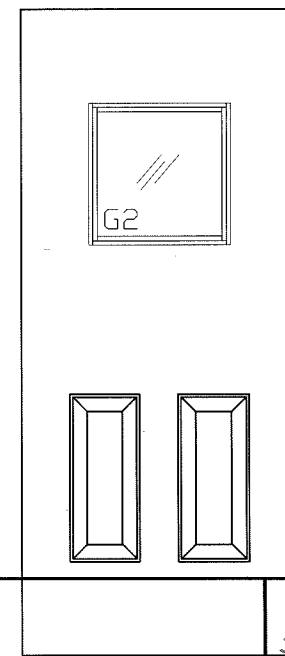
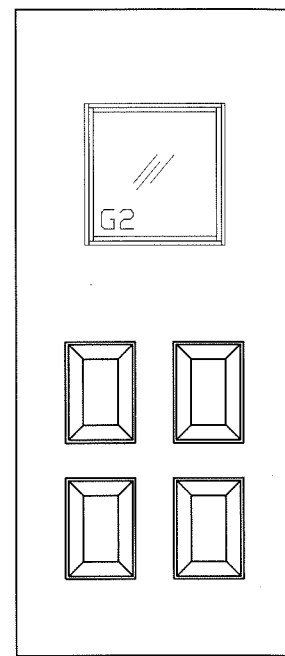
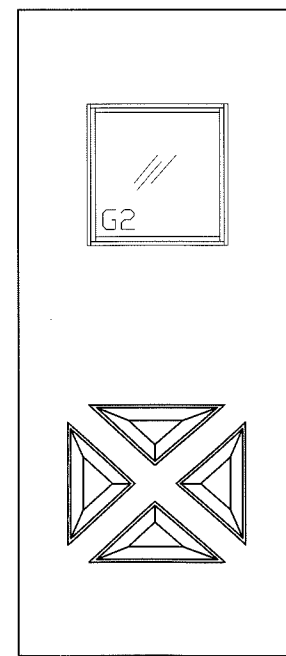
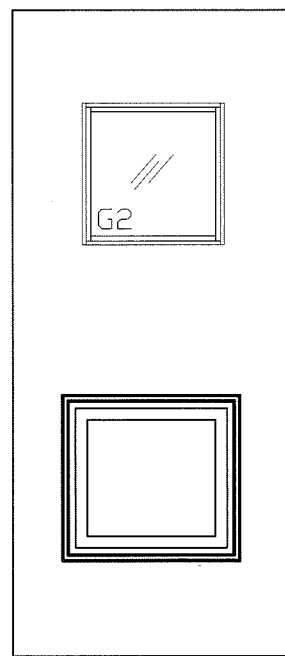
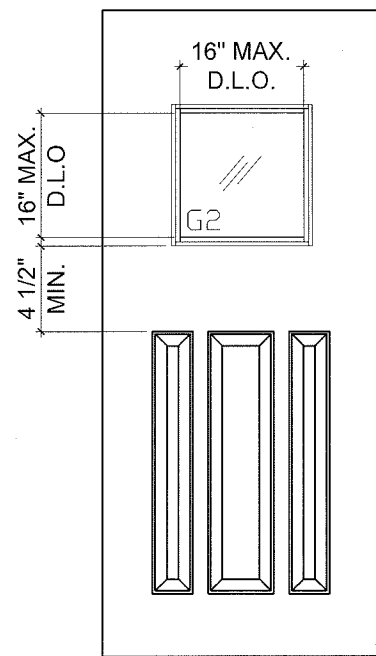
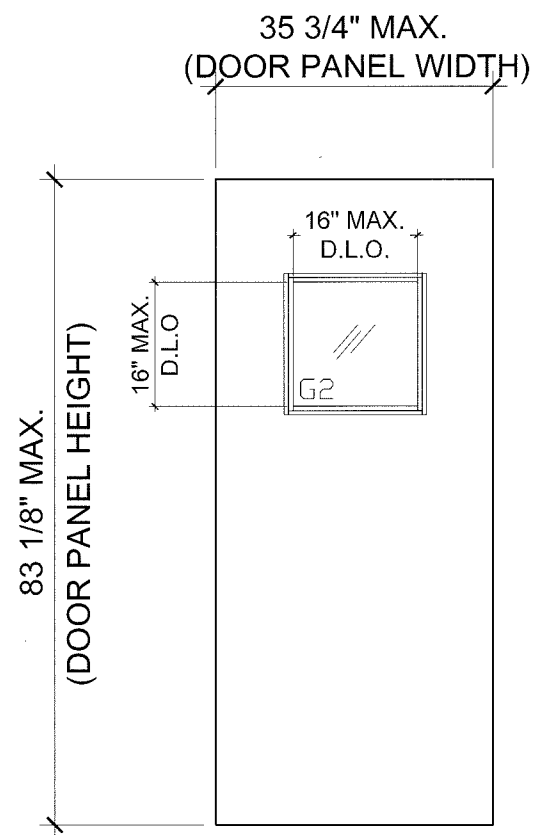
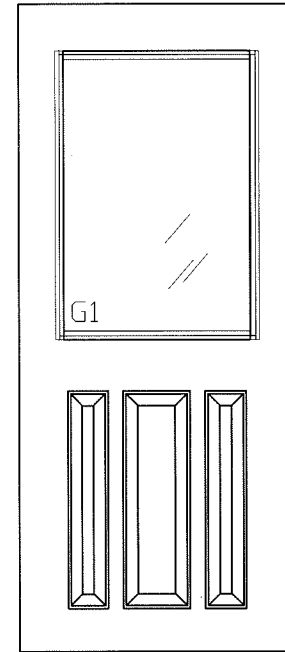
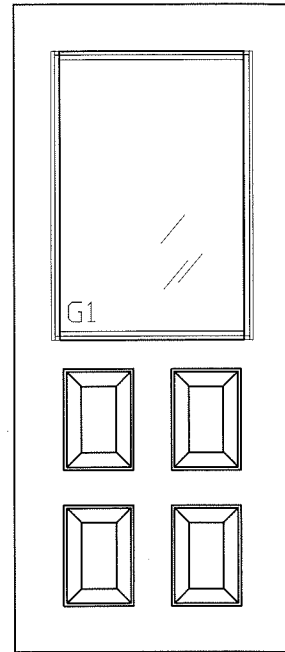
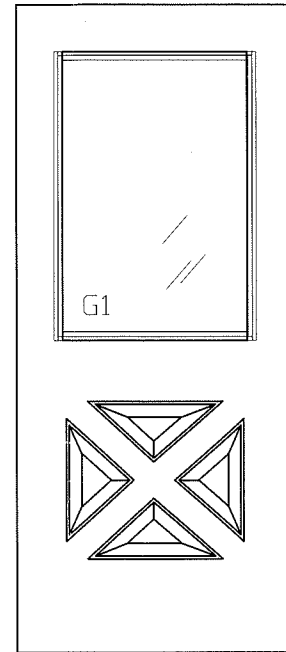
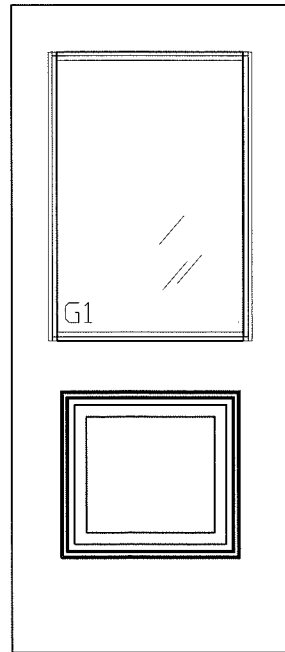
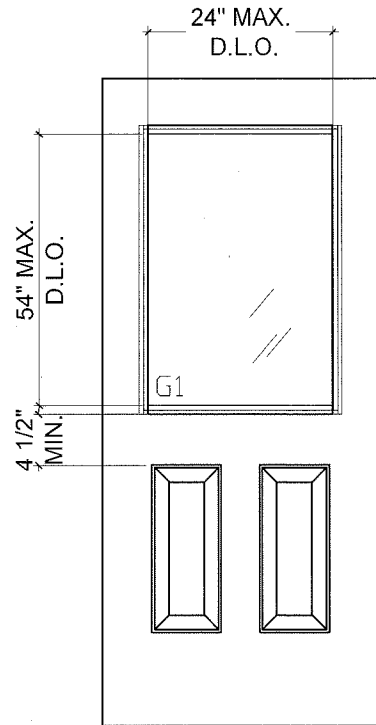
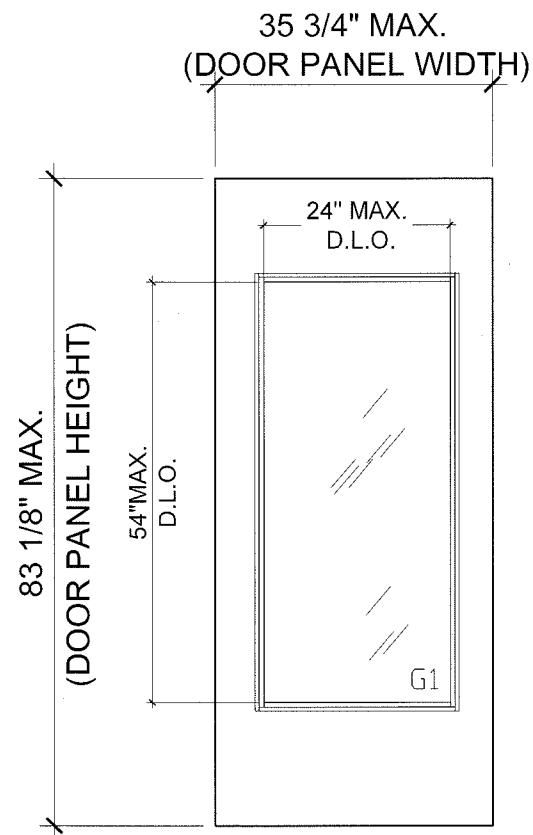
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A P: 305.271.0117
MIAMI, FL 33183 F: 786.573.5063
www.MCYEngineering.com MCY.Engineering@Att.net

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

gensteeldoors
www.gensteeldoors.com

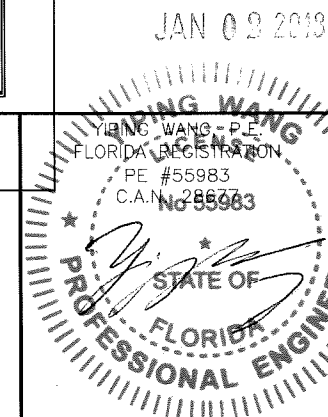
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6
Tel: (514) 733-3562 Fax: (514) 733-1932



PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 18-0116.19
Expiration Date FB23, 2022
Sheng T. Wang
Miami Dade Product Control

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

MIAMI DADE COUNTY



NO.	DATE	DESCRIPTION
1	12/16/16	2014 FBC UPDATE

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DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	9 OF 9