



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)  
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/pera/](http://www.miamidade.gov/pera/)

**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 by Miami-Dade County Product Control Section and accepted by the Board of Rules and Appeals (BORA) 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. BORA 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 FEB 21, 2012, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**Limitation:**

1. See Design Pressures & corresponding Hardware in sheets 1 & 6. Max. Exterior (positive) DP= +33 (double), +65 (Single) w/ PEMKO-177 AT threshold, where water infiltration requirement is needed.
2. Glazing type G2 (glass type B-3/8' Lexan) see glazing option sheet 2, qualifies Max DLO = 16"x 16"
3. Options # 1, 2 & 3 in sheet 7, require total two (2) flush bolts (top/bottom) on in-active panel.

**LABELING:** Each unit shall bear one of the following permanent labels:

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

and series/model 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

**NOA No 11-0901.02**  
**Expiration Date: February 23, 2017**  
**Approval Date: March 08, 2012**  
Page 1



2/28/12

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **AD11-05**, titled "Genstorm Glazed Inswing Door - LMI", sheet 1 through 8 of 8, dated FEB 21, 2012, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.

**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 (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 Opaque / Glazed 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-2007 & FBC 2010, prepared by MCY Engineering, Inc, dated 08/31/11 and last revised on 12/03/12, signed and sealed by Yiping Wang, P.E.
2. Glazing complies w/ ASTM E-1300-02 &-04

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

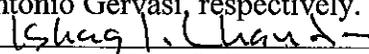
1. Tensile Test, per ASTM A370-05 item B (1) (7)
2. Tensile test report NO. FTL 6745 per ASTM A370-05 dated 12/01/11, issued by Fenestration Testing Lab, signed and sealed by Martin D. Brinson, P.E.
3. Notice of Acceptance No. **08-0709.04** issued to Glasslam NGI, Inc, for "Safety Plus II laminated glass", expiring on 08/07/13.
4. Notice of Acceptance No. **08-0305.02** issued to Sabic Innovative Plastic, Inc, for "Lexan sheets", expiring on 07/17/13.

**F. STATEMENTS**

1. Statement letter of conformance dated 12/04/11, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
2. Statement letter of no financial interest dated 08/04/11, prepared by MCY Engineering, Inc, signed and sealed by Yiping Wang, P.E.
3. Statement letter of Lab. Compliance, as a part of above test reports.
4. Addendum letter dated 11/11/11 issued by FTL, signed & sealed by Martin D. Brinson, P.E.

**G. OTHER**

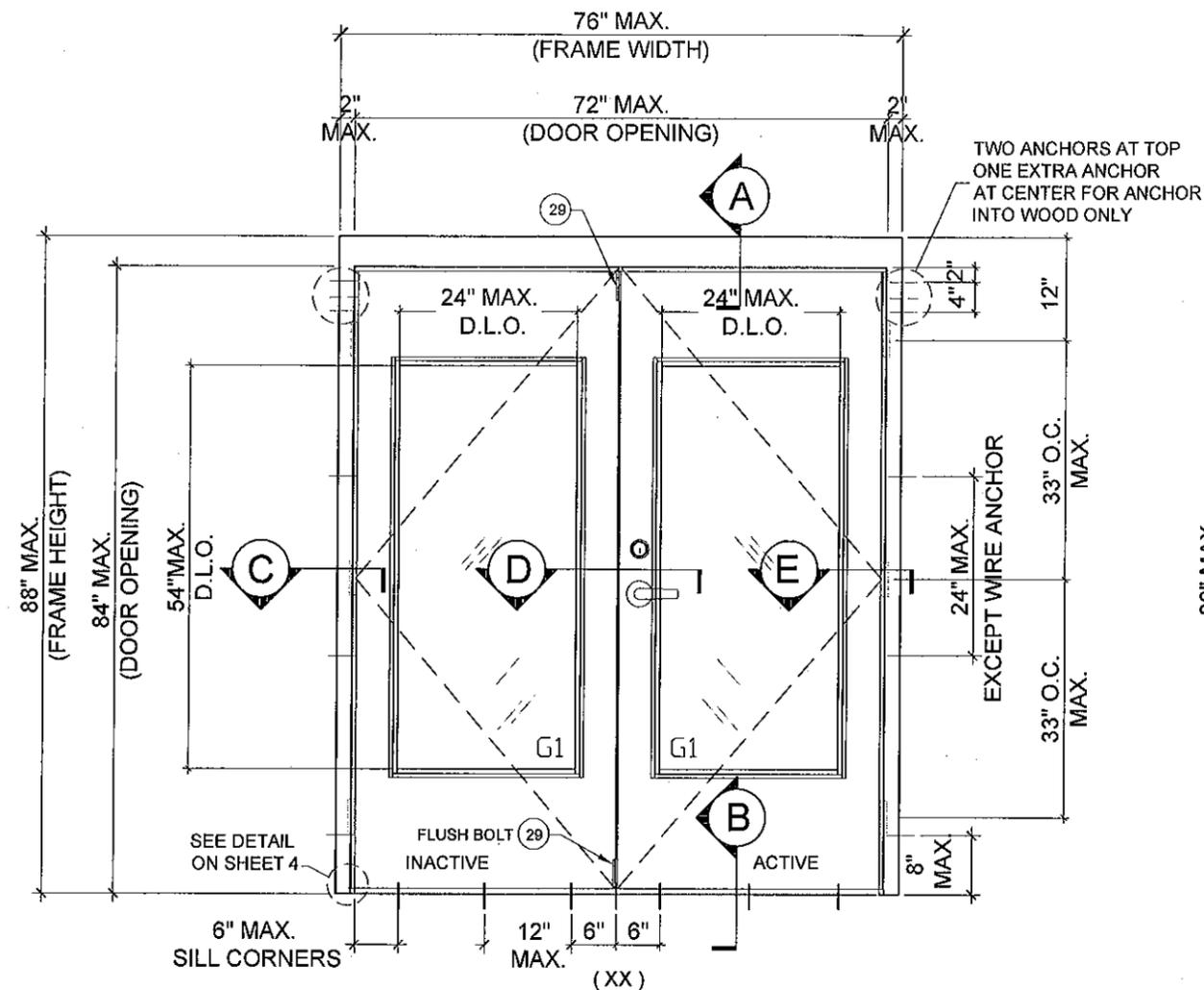
1. Test proposals # **10-0769R** dated 11/27/11 and e-mail 11/01/10 approved by PERA.
2. Distribution agreement between GenSteel Door, Canada & North American Door Corp, N.Y. dated 10/22/10, signed by Bruno Gervasi and Antonio Gervasi, respectively.

  
Ishaq I. Chanda, P.E.

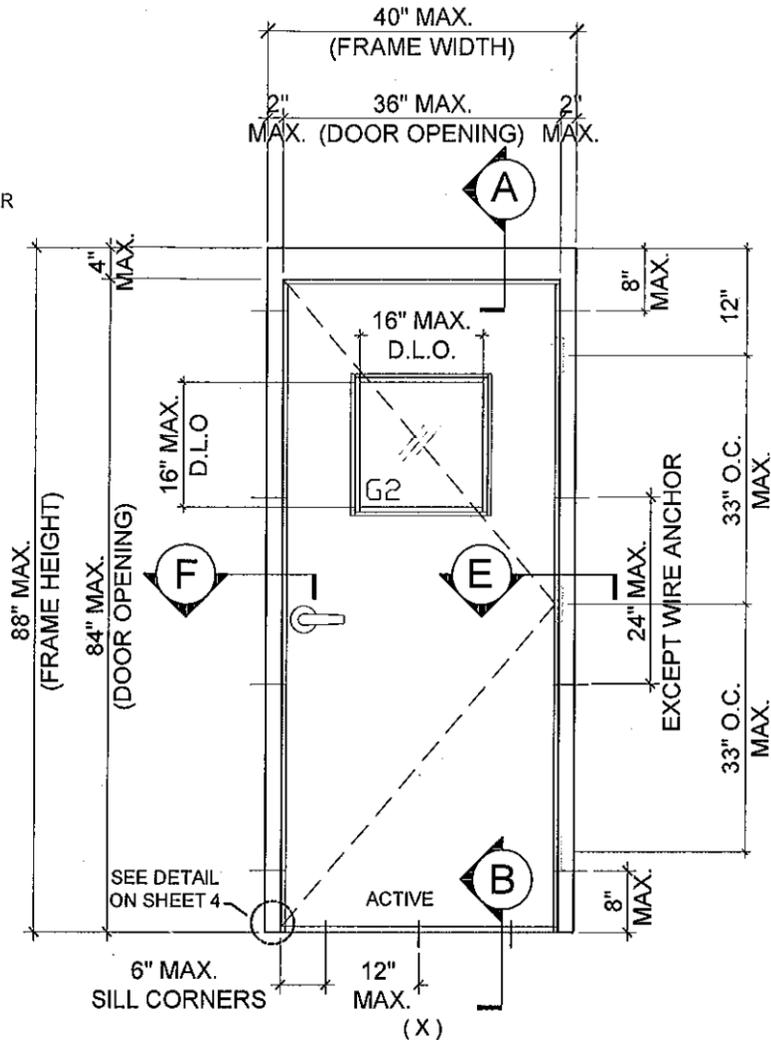
Product Control Examiner  
NOA No 11-0901.02

Expiration Date: February 23, 2017

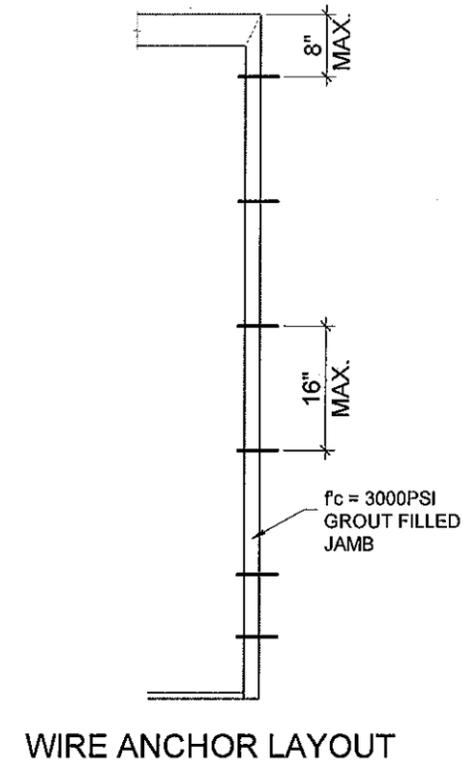
Approval Date: March 08, 2012



TYPICAL EXTERIOR ELEVATION  
(DOUBLE PANEL INSWING DOOR)



TYPICAL EXTERIOR ELEVATION  
(SINGLE PANEL INSWING DOOR)



WIRE ANCHOR LAYOUT

SERIES GENSTORM GLAZED INSWING STEEL DOOR (LMI)

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007/2010 EDITION 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.
- METAL STRUCTURES NOT BY GENSTEEL DOOR CO. MUST SUPPORT LOADS IMPOSED BY DOOR SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

- WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- DOOR PANEL: MIN. 20 GA. STEEL MIN.  $F_y = 47.3$  KSI MIN. DOOR FRAME: MIN. 18 GA. STEEL MIN.  $F_y = 47.3$  KSI MIN
- DOOR PANEL STAINLESS OPTION: 20 GA STAINLESS STEEL DOOR PANEL MEETING MIN.  $F_y = 47.3$  ksi OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.
- DOOR FRAME STAINLESS OPTION: 18 GA STAINLESS STEEL DOOR FRAME MEETING MIN.  $F_y = 47.3$  ksi OR BETTER MAY QUALIFY HAVING "MIL-CERTIFICATE" AS A VERIFICATION OF THE AVAILABLE MIN. YIELD STRENGTH.

NOTES:  
EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

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

Approved as complying with the Florida Building Code  
Date: March 08, 2012  
NOA# 11-0901-07  
Miami Dade Product Control  
By: [Signature]

FEB 21 2012  
YIYING WANG  
PROFESSIONAL ENGINEER  
FLORIDA REGISTRATION  
PE 155883  
M.A.N. 28677  
FEB 21 2012  
MIAMI DADE COUNTY

MIAMI DADE COUNTY

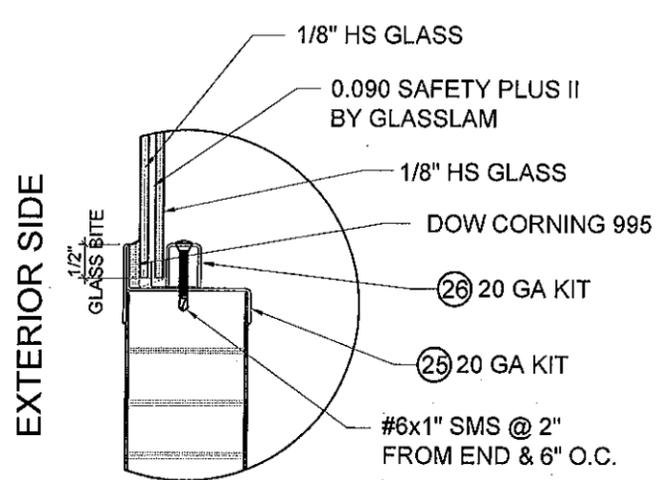
NO.	DATE	DESCRIPTION

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

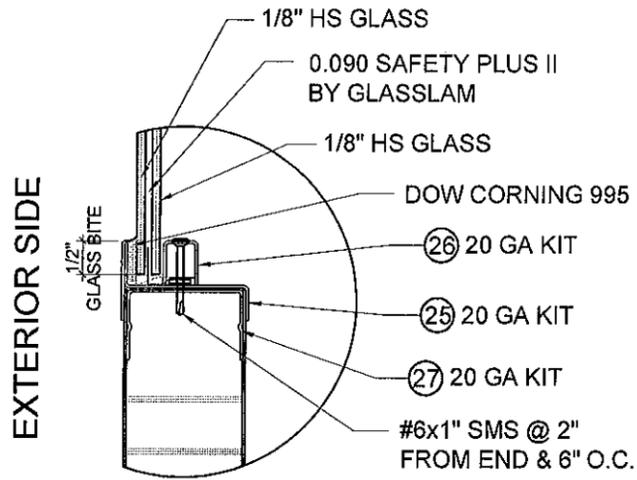
GENSTORM GLAZED INSWING STEEL DOOR (LMI)  
**gensteeldoors**  
www.gensteeldoors.com  
4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6  
Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007

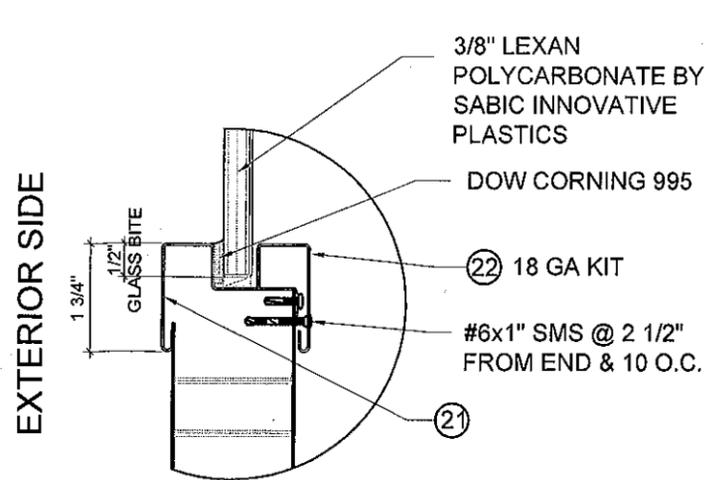
DRAWING NO.  
AD11-05  
SHEET 1 OF 9



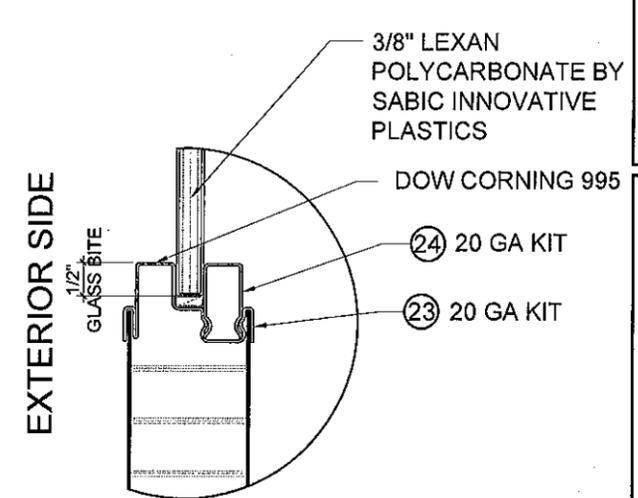
G1: GLASS TYPE "A"  
WITH LITE KIT #3



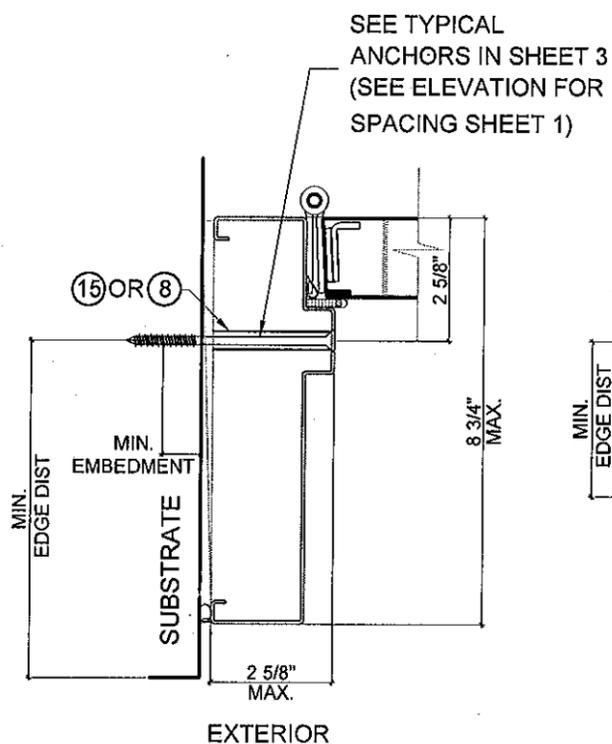
G1: GLASS TYPE "A"  
WITH LITE KIT #4



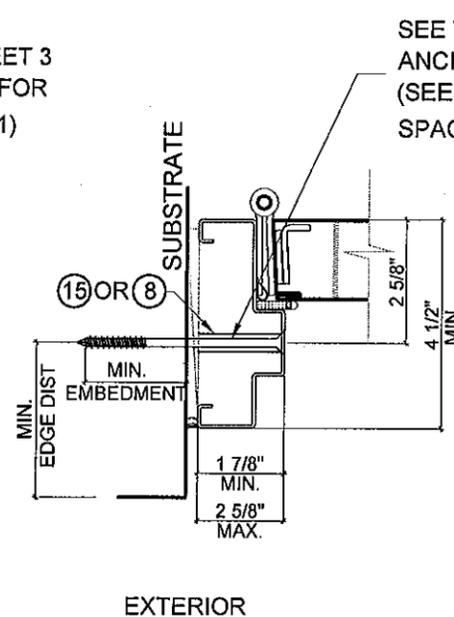
G2: GLASS TYPE "B"  
WITH LITE KIT #1



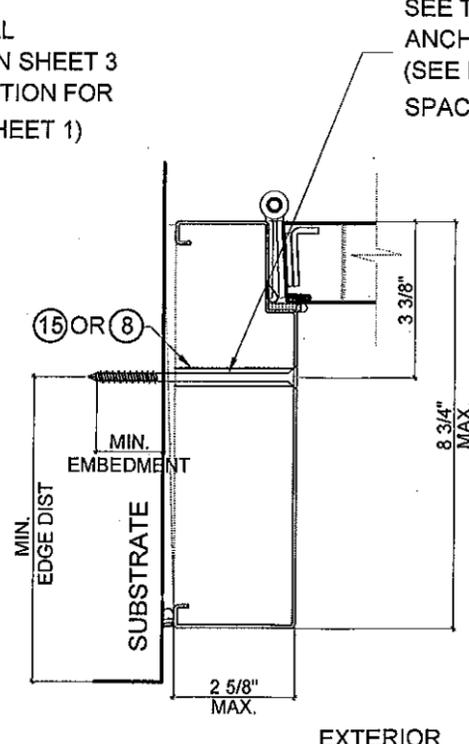
G2: GLASS TYPE "B"  
WITH LITE KIT #2



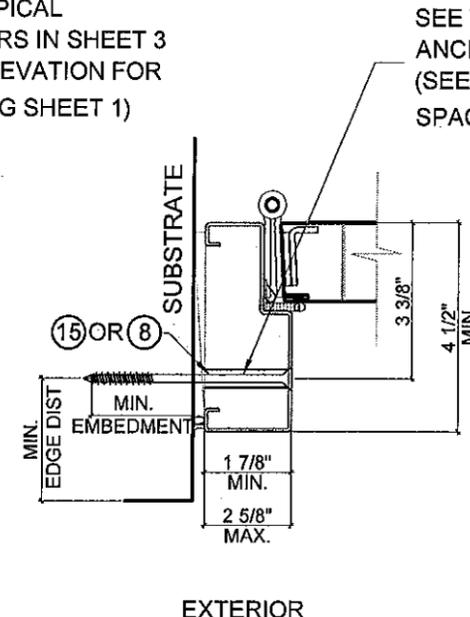
DOUBLE RABBET ANCHOR LOCATION



EXTERIOR



EXTERIOR



EXTERIOR

**NOTES:**  
 G1: GLASS TYPE "A"  
 (5/16" HS LAMINATED GLASS)  
 MAX. GLASS D.L.O. SIZE 24"X54"  
 G2: GLASS TYPE "B" (3/8" LEXAN)  
 MAX. GLASS D.L.O. SIZE 16"X16"  
 GLASS TYPE "A" OR "B"  
 (MAX 16" X 16" D.L.O.)  
 CAN USE ANY OF LITE KIT OPTIONS  
 LITE KIT OPTION #1 THRU #4  
 GLASS TYPE "A" COMPLY WITH  
 ASTM E1300-04 (3 SEC. GUSTS)  
 GLASS TYPE "B" COMPLY WITH  
 CHAPTER 26 OF FBC

Approved as complying with the  
 Florida Building Code  
 Date 02/09/12  
 NOA# 11-090102  
 Miami Dade Product Control  
 By: [Signature]

SINGLE RABBET ANCHOR LOCATION

MIAMI DADE COUNTY

Professional Engineer Seal:  
 TYPING WANG  
 TYPING WANG, P.E.  
 FLORIDA REGISTRATION  
 NO. 155383  
 C.A.N. 28677  
 FEB 21 2012  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 FEB 21 2012

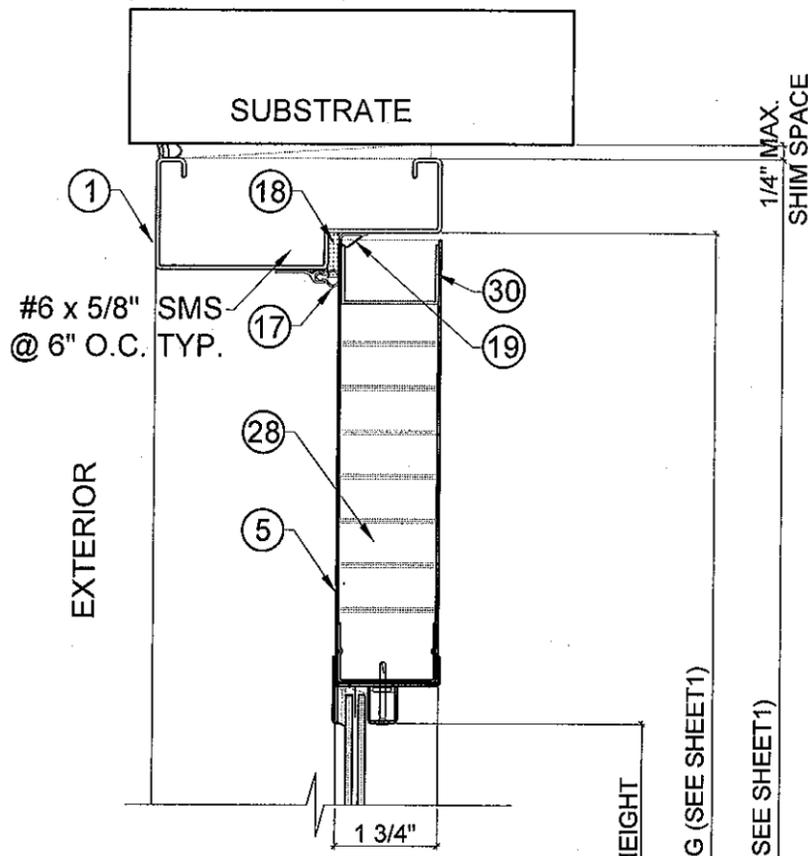
NO.	DATE	DESCRIPTION

**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANTS  
 8501 SW 124 AVE. STE. 205A  
 MIAMI, FL 33183  
 P: 305.271.0117  
 F: 786.573.5063  
 www.MCYUS.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

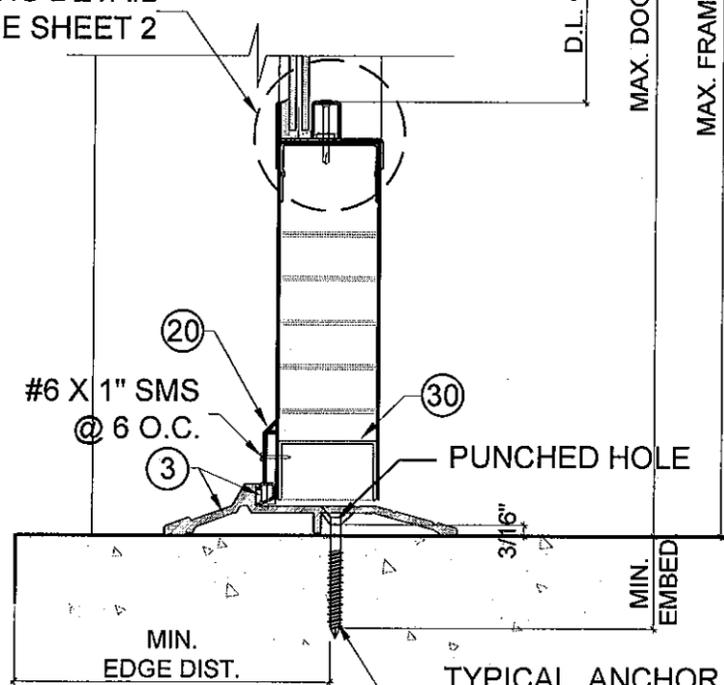
DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007

DRAWING NO.  
 AD11-05  
 SHEET 2 OF 9

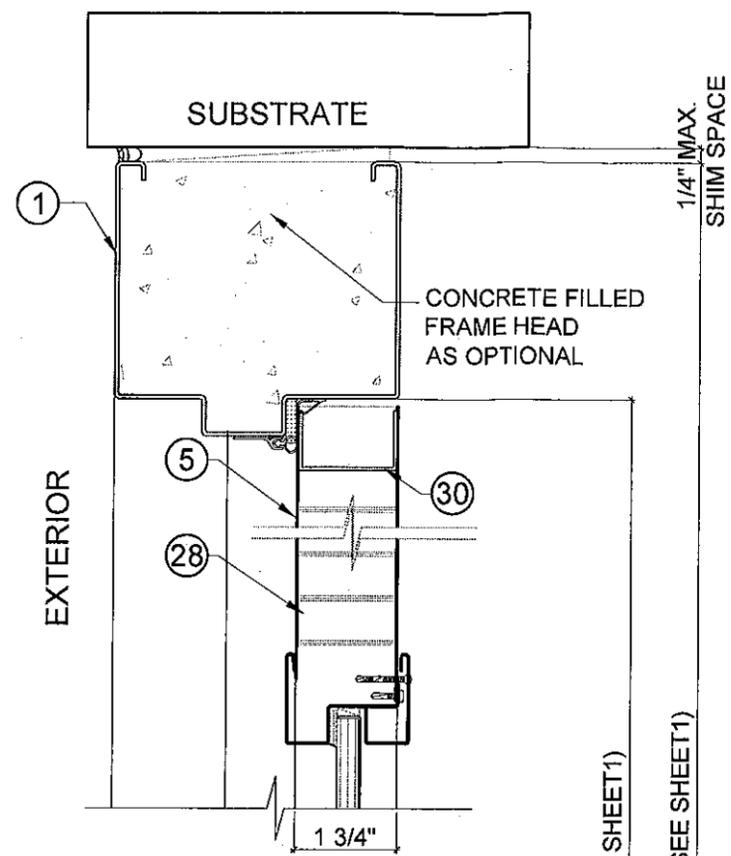


**HEAD DETAIL (SINGLE RABBET FRAME) A**

GLAZING DETAIL SEE SHEET 2

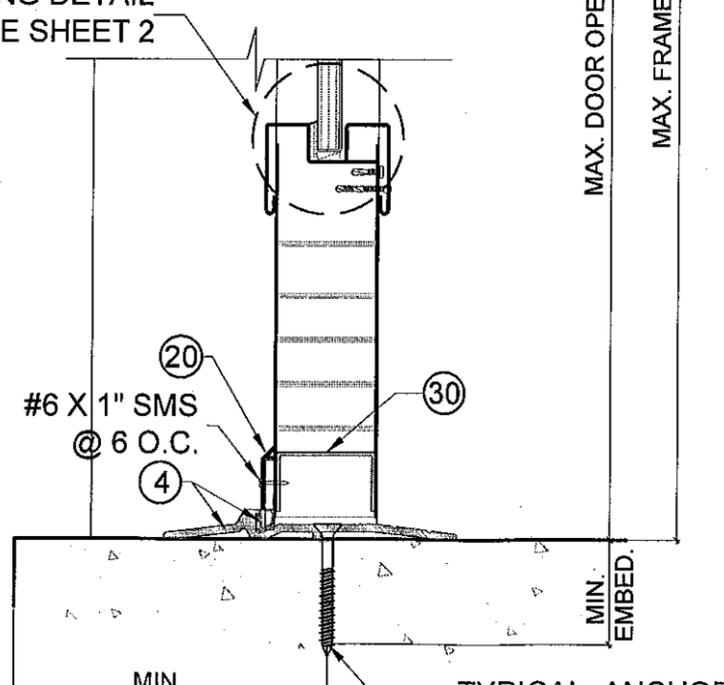


**TYPICAL PEMKO 177-AT THRESHOLD WATER RATED THRESHOLD (SEE Dp TABLE ON SHEET 1) B**



**HEAD DETAIL (DOUBLE RABBET FRAME) A**

GLAZING DETAIL SEE SHEET 2



**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. TAPCONS BY 'ITW' Fy=90 KSI Fu = 120 KSI  
DIRECTLY INTO 2BY WOOD BUCK  
DIRECTLY INTO CONCRETE BLOCK fc'=2000 PSI  
DIRECTLY INTO fc'=3000 PSI CONCRETE  
1-1/2" 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 DIST.  
DIRECTLY INTO fc'=2000 PSI CONCRETE BLOCK, 3-1/2" MIN. EDGE DIST.  
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  
3-1/2" MIN. EDGE DISTANCE & 4" MIN. O.C. SPACING
  - TYPE D.** 3/8" DIA. POWER BOLT BY 'POWERS'  
DIRECTLY INTO fc'=3000 PSI CONCRETE  
2-1/2" MIN. EMBED  
3" MIN. EDGE DISTANCE & MIN. 4" O.C. SPACING
  - TYPE E.** 5/16" DIA. SMS OR MACHINE BOLTS (MIN. GRADE 2 CRS) OR ST/ST  
STEEL : Fy = 36 KSI MIN.  
INTO METAL STRUCTURES (STEEL OR ALUMINUM 1/8" MIN. THICK.)  
ALUMINUM : 6063-T6 MIN.  
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
  - TYPE G.** WIRE ANCHOR (Fy = 60 ksi)  
0.173 DIA. STEEL WIRE ANCHORS EMBED INTO FILLED CONCRETE BLOCK
- TYPICAL ANCHORS @ THRESHOLD:**
- TYPE F.** 1/4" OR 5/16" DIA. ULTRACONS BY 'ELCO' Fy = 155 KSI Fu = 177 KSI  
DIRECTLY INTO fc'=3000 PSI MIN. CONCRETE  
1-1/2" MIN. EMBED  
2-1/2" MIN. EDGE DISTANCE
  - 1/4" TAPCON BY ITW Fy = 90 KSI Fu = 120 KSI  
DIRECTLY INTO fc'=3000 PSI MIN. CONCRETE  
1-1/2" MIN. EMBED  
2-1/2" MIN. EDGE DISTANCE
- SEALANT:**  
ALL FRAME JOINTS AND CORNERS TO BE SEALED WITH SILICONE AT PERIMETER

Approved as complying with the Florida Building Code  
Date: 03/08/12  
NOA: 11-000102  
Miami Code Product Control  
By: [Signature]

MIAMI DADE COUNTY

Professional Engineer Seal: WANG WANG, License No. 55983, State of Florida, Professional Engineer, FEB 21 2012.

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

NO.	DATE	DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

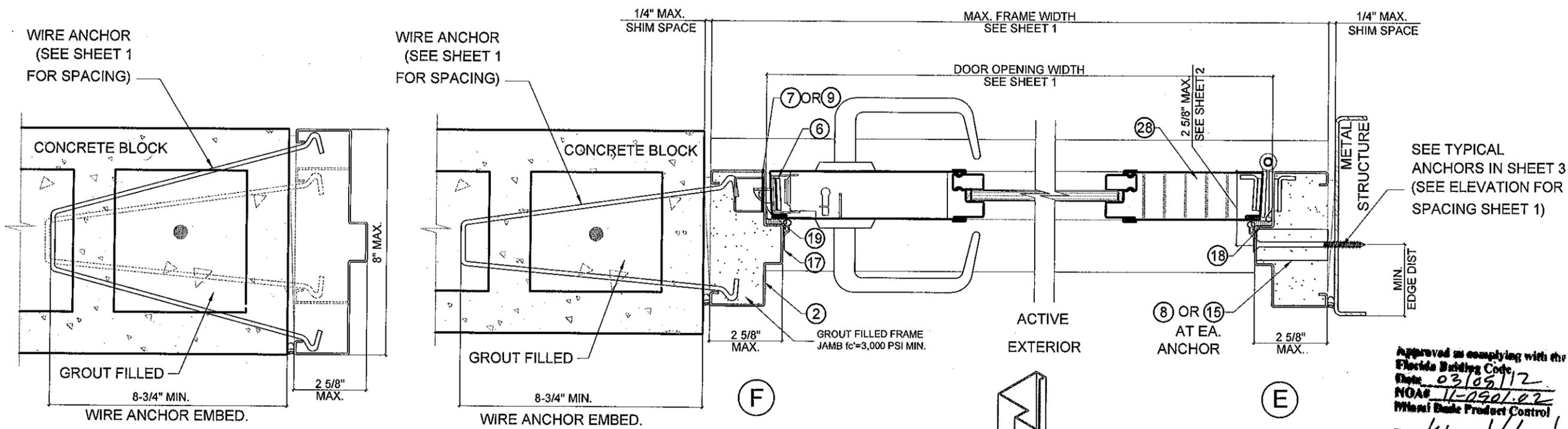
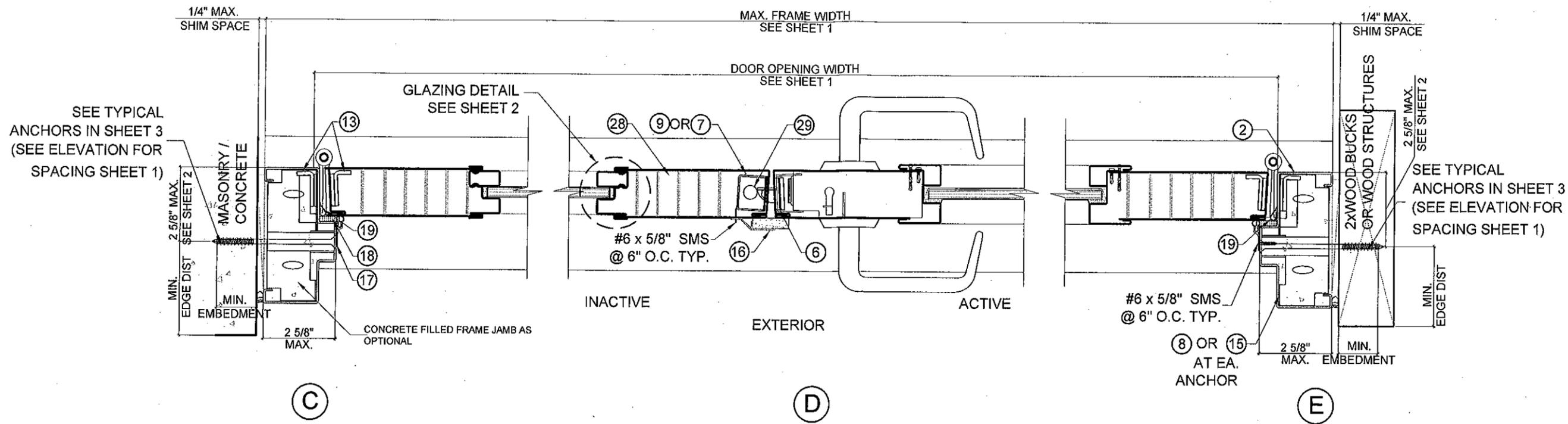
8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
www.MCYUS.com

P: 305.271.0117  
F: 786.573.5063  
MCY.Engineering@Att.net

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

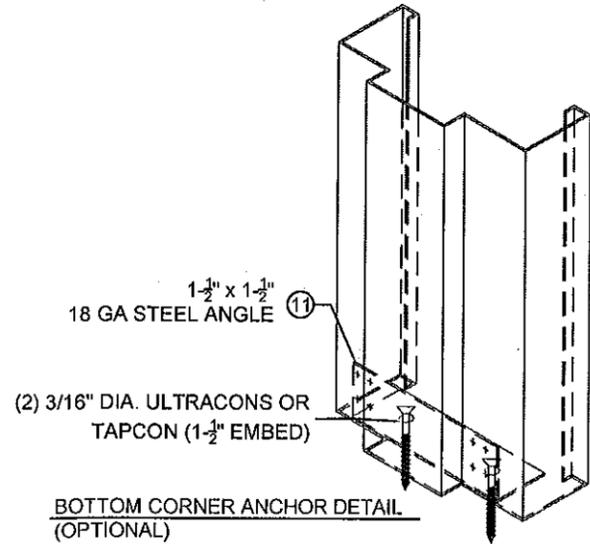
**gensteeldoors**  
www.gensteeldoors.com

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



DOOR SECTION DETAILS FOR DOUBLE RABBIT DOOR FRAMES

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



Approved as complying with the Florida Building Code  
 Date: 03/05/12  
 NOA# 11-090102  
 Miami Dade Product Control  
 By: Khag I. Chank

MIAMI DADE COUNTY

Professional Engineer Seal: YIPING WANG, P.E., FLORIDA REGISTRATION PE #55983, C.A. No 2887083, FEB 21 2012, STATE OF FLORIDA PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION

**MCY**

**MCY ENGINEERING, INC.**  
 GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
 MIAMI, FL 33183  
 www.MCYUS.com

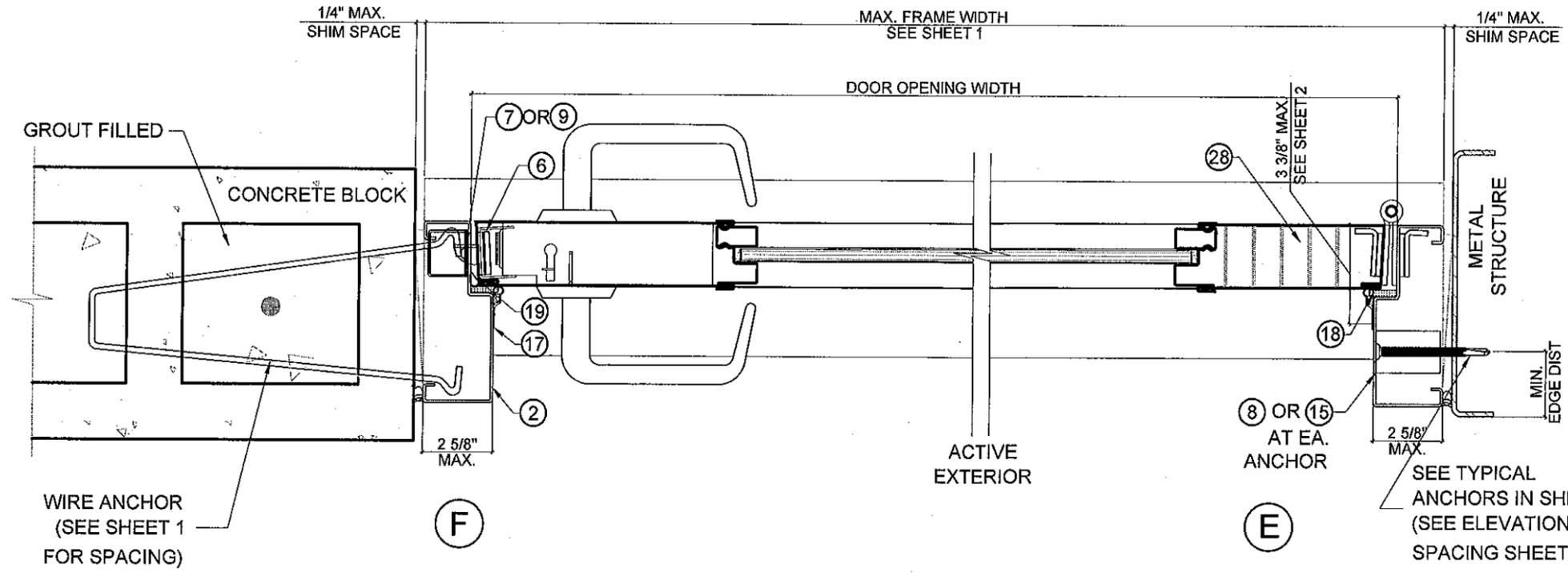
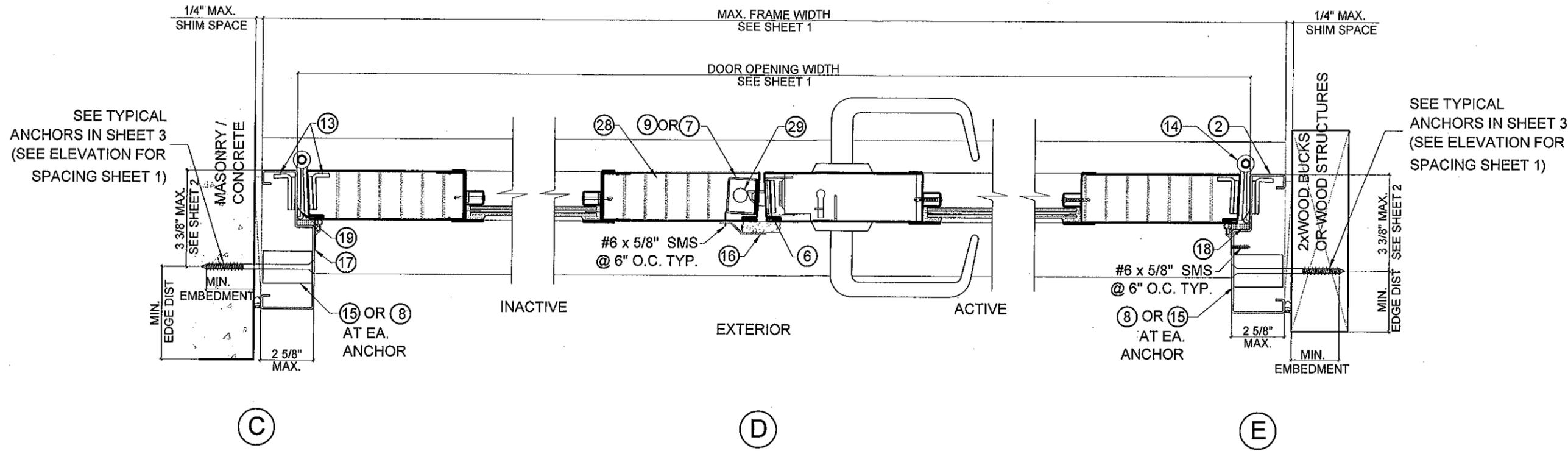
P: 305.271.0117  
 F: 786.573.5063  
 MCY.Engineering@Att.net

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	02-02-12
SCALE	N.T.S.
DRAWN BY	S.L.
CHECKED BY	11-007
DRAWING NO.	AD11-05
SHEET	4 OF 9



DOOR SECTION DETAILS FOR SINGLE RABBIT DOOR FRAMES

Approved as complying with the Florida Building Code  
 Date: 03/05/12  
 NOA# 11-050102  
 Miami Code Product Control  
 by: Ishag I. Chand

YIPING WANG  
 LICENSE  
 No. 55083  
 YIPING WANG, P.E.  
 FLORIDA REGISTRATION  
 PE #55983  
 C.A.N. 28677  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

MIAMI DADE COUNTY

FEB 21 2012

NO.	DATE	DESCRIPTION

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

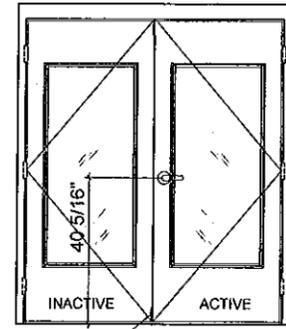
GENSTORM GLAZED INSWING STEEL DOOR (LMI)  
**gensteeldoors**  
 www.gensteeldoors.com  
 4950 Hickmore, St. Laurent, Quebec, Canada, H4T1K6  
 Tel: (514) 733-3562 Fax: (514) 733-1932

DATE	02-02-12
SCALE	N.T.S.
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)

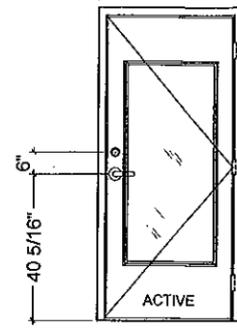


FLUSH BOLT  
(XX)

## 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)

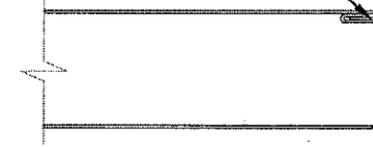


(X)

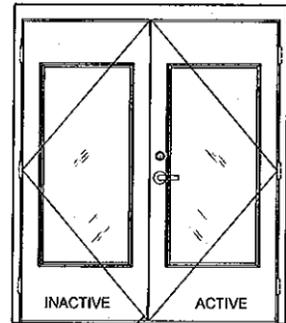
## OPTION 4

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

CONTINUOUS VERTICAL  
LOCK SEAM SPOT WELDED  
AT EACH END



DOOR EDGE CONSTRUCTION

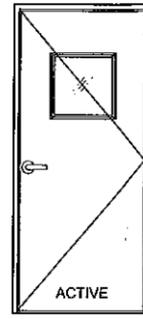


FLUSH BOLT  
(XX)

## OPTION 2

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

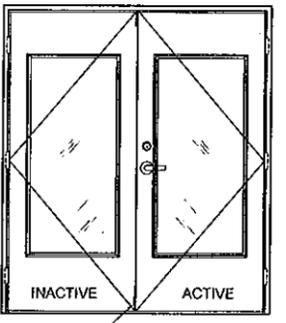
**INACTIVE LEAF:**  
STRIKE FOR LOCKSET.  
STRIKES FOR DEADLOCK.  
IVES FB 458 MANUAL FLUSH BOLT  
TOP & BOTTOM



(X)

## OPTION 5

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

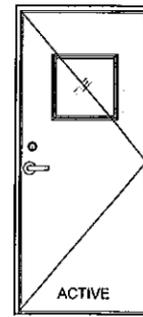


FLUSH BOLT  
(XX)

## OPTION 3

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

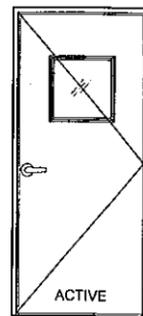
**INACTIVE LEAF:**  
STRIKE FOR LOCKSET.  
STRIKES FOR DEADLOCK.  
IVES FB 458 MANUAL FLUSH BOLT  
TOP & BOTTOM



(X)

## OPTION 6

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



(X)

## OPTION 7

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

Approved as complying with the  
Florida Building Code  
Date 03/08/12  
NOAA 11-0301-02  
Miami Glaze Product Control  
By [Signature]

**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.

MIAMI DADE COUNTY

YIPING WANG  
YIPING WANG, P.E.  
FLORIDA REGISTRATION  
NO. 55983  
C.A.N. 28677  
FEB 21 2012  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

NO.	DATE	DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL. 33183  
www.MCYUS.com

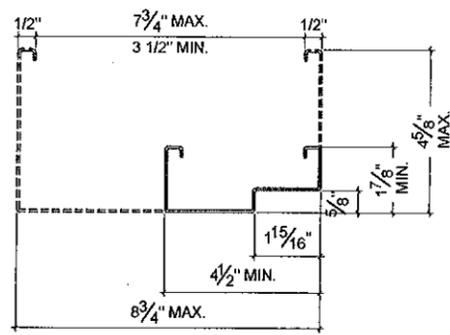
P: 305.271.0117  
F: 786.573.5063  
MCY.Engineering@Att.net

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

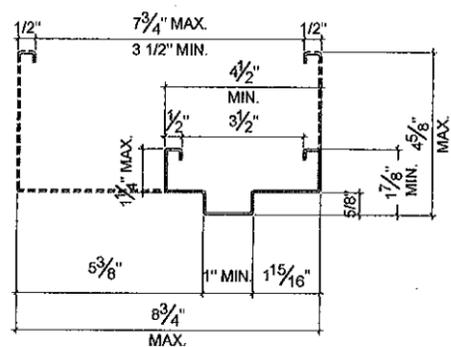
**gensteeldoors**  
www.gensteeldoors.com

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

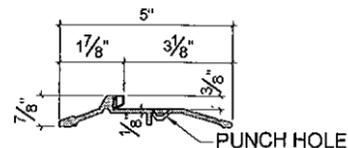
DATE	02-02-12
SCALE	NTS.
DRAWN	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	6 OF 9



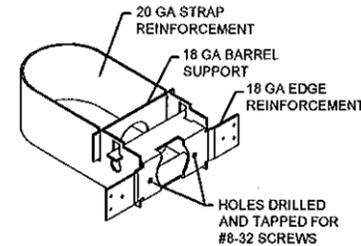
① FRAME HEAD (SINGLE RABBET) 18 GA (.048) STEEL



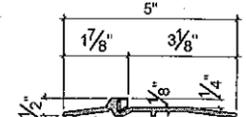
① FRAME HEAD OPTION (DOUBLE RABBET) 18 GA (.048) STEEL



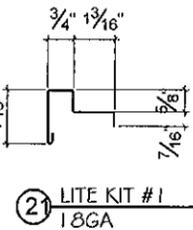
③ PEMKO 177AT THRESHOLD



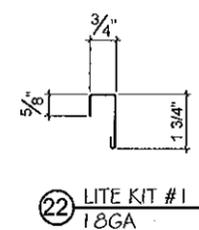
⑥ DR 1600 (CYLINDRICAL LOCK REINFORCEMENT ASSEMBLY ALSO FOR DEAD BOLT)



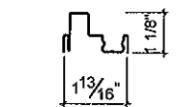
④ PEMKO 2005AT THRESHOLD OPTION



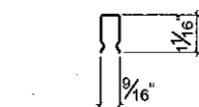
②1 LITE KIT #1 18GA



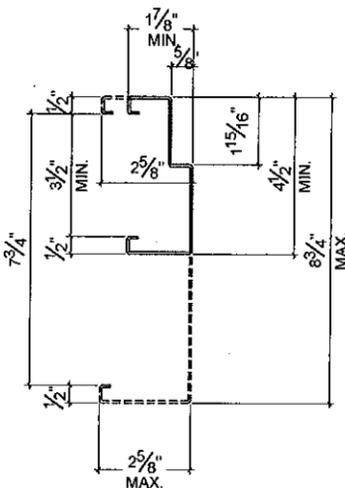
②2 LITE KIT #1 18GA



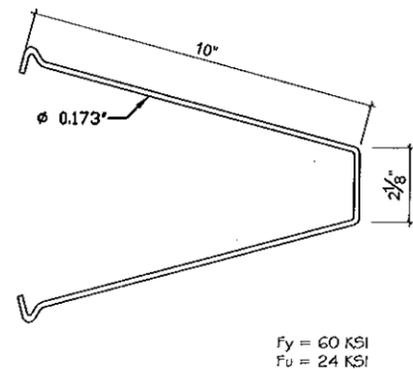
②3 LITE KIT #2 20GA



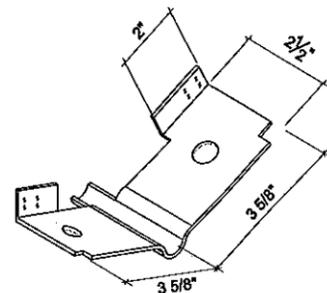
②4 LITE KIT #2 20GA



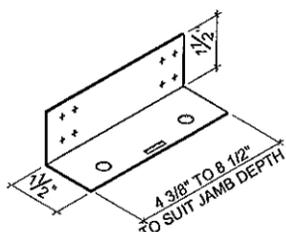
② FRAME JAMB (SINGLE RABBET) 18 GA (.048) STEEL



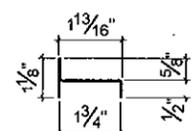
⑩ FA3030 MASONRY WIRE ANCHOR (STEEL)  
F<sub>y</sub> = 60 KSI  
F<sub>u</sub> = 24 KSI



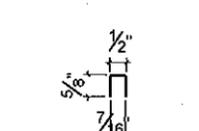
⑧ FA3010 18GA EMA BUTTERFLY MASONRY ANCHOR



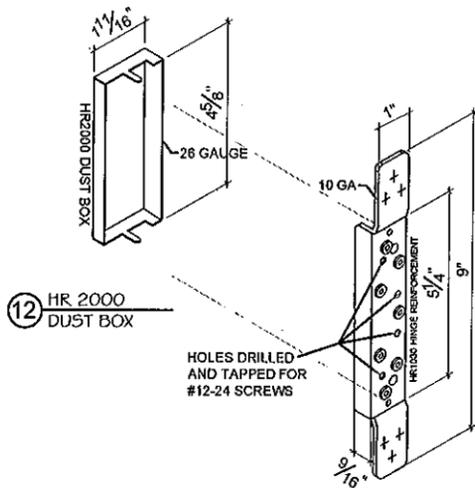
⑪ FA 1040 18GA FLOOR ANCHOR AS OPTION



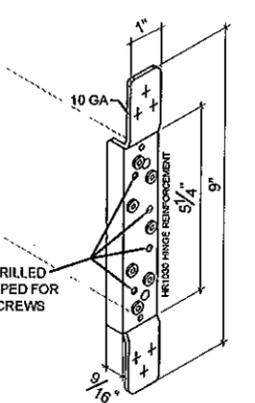
②5 LITE KIT #3 & #4 20GA



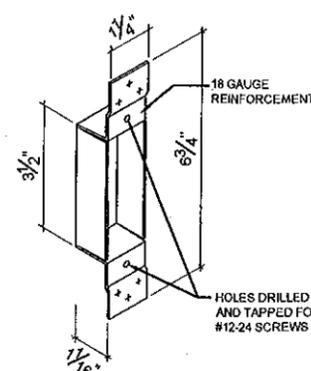
②6 LITE KIT #3 & #4 20GA



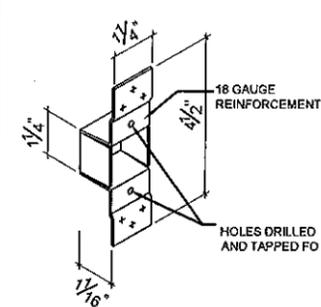
⑫ HR 2000 DUST BOX



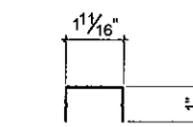
⑬ HR 1030 HINGE REINFORCEMENT



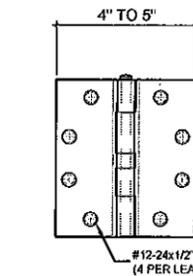
⑨ FR 1100 ASA STRIKE BOX REINFORCEMENT



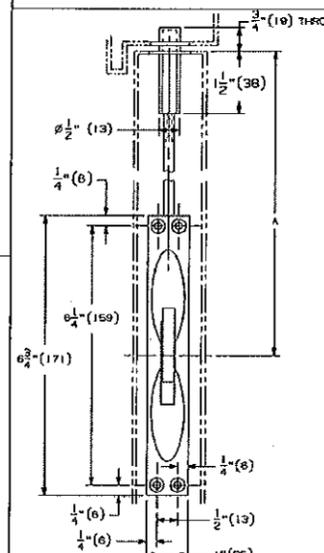
⑦ FR 1000 DEAD BOLT STRIKE REINFORCEMENT



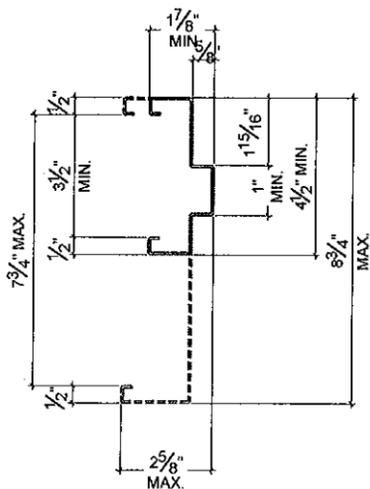
②7 LITE KIT #4 20GA



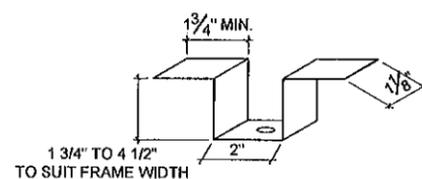
⑭ 0.134\"/>



⑲ IVES FB 458 FLUSH BOLT

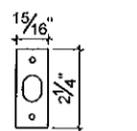


② FRAME JAMB OPTION (DOUBLE RABBET) 18 GA (.048) STEEL

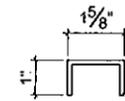


⑮ FA3012 18GA ANCHOR CLIP OPTION

OPTIONAL

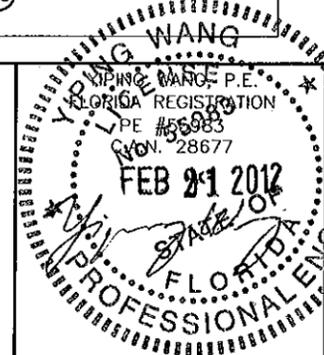


⑲ IVES FB 458 TOP & BOTTOM BOLT (STRIKE)



⑳ 18GA CHANNEL (FULL LENGTH OF PANEL WIDTH)

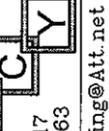
Approved as complying with the Florida Building Code  
Date: 03/05/12  
NOAH 11-0901-02  
Miami Door Product Control  
By: [Signature]



MIAMI DADE COUNTY

NO.	DATE	DESCRIPTION

MCY ENGINEERING, INC.  
GLAZING CONSULTANTS



8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYUS.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
BY	NTS
APP'D	S.L.
SUBJECT	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 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

NO.	DATE	DESCRIPTION

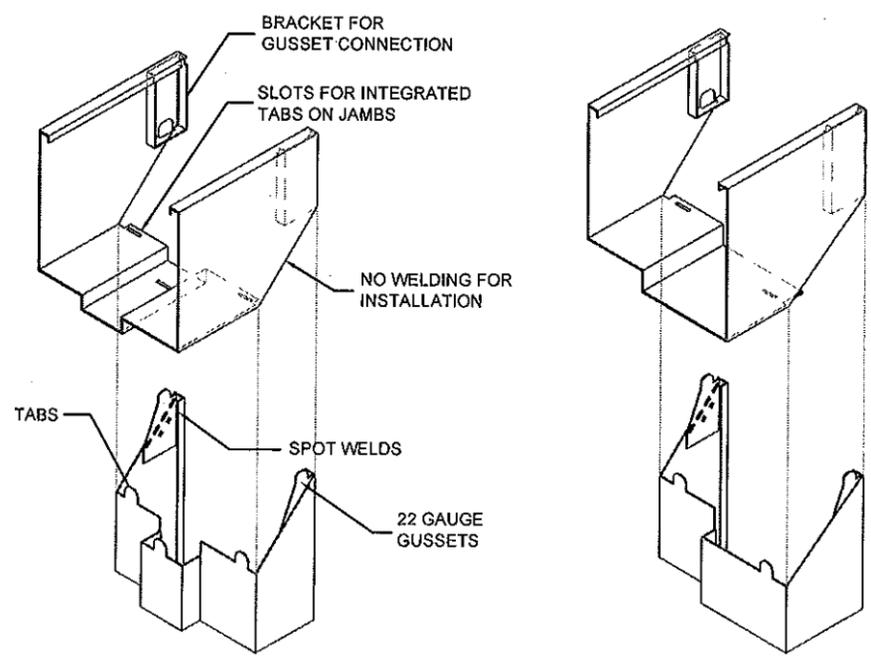
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
www.MCYUS.com

P: 305.271.0117  
F: 786.573.5063  
MCY.Engineering@Att.net

GENSTORM GLAZED INSWING STEEL DOOR (LMI)

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



**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.

Approved as complying with the Florida Building Code  
Date: 02/05/12  
NOA# 11-0901-02  
Miami Dade Product Control  
By: *Ishag I. Ghaleb*

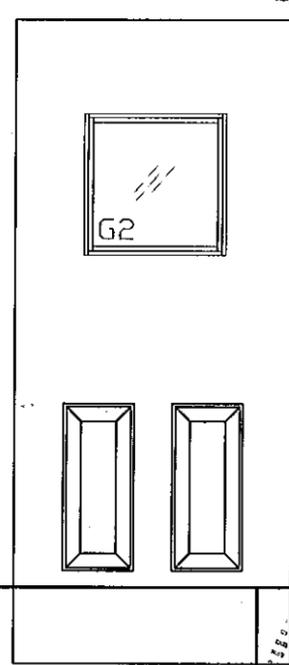
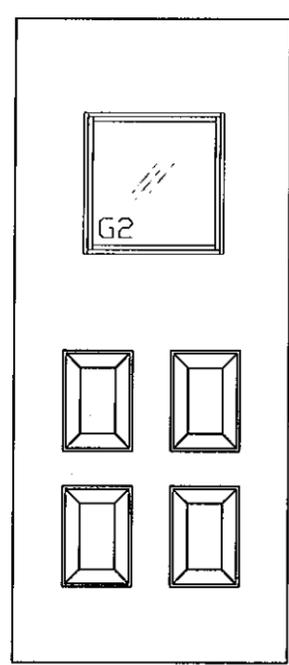
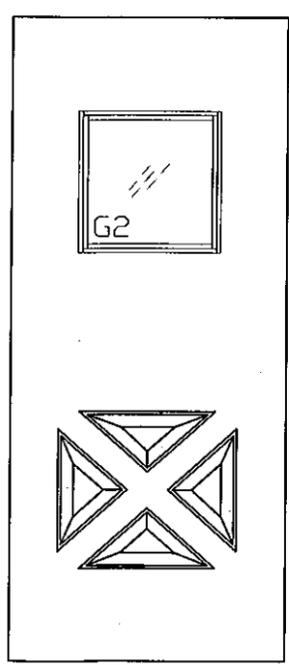
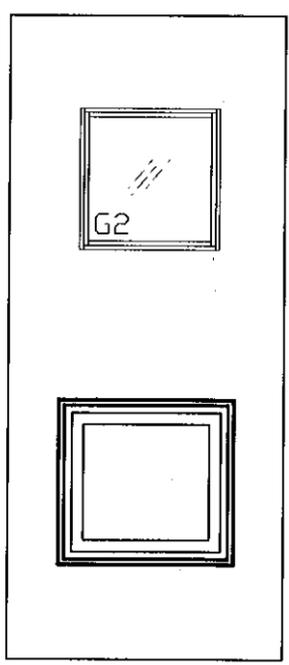
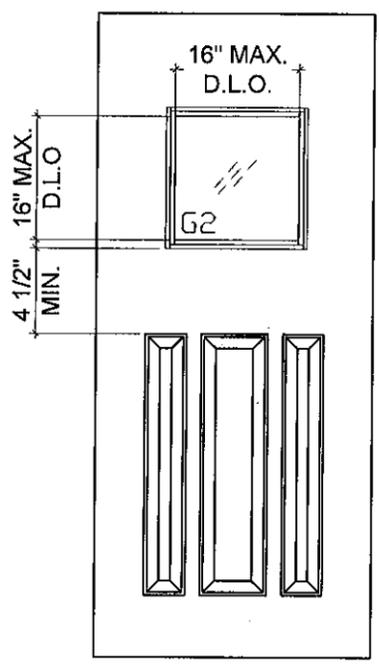
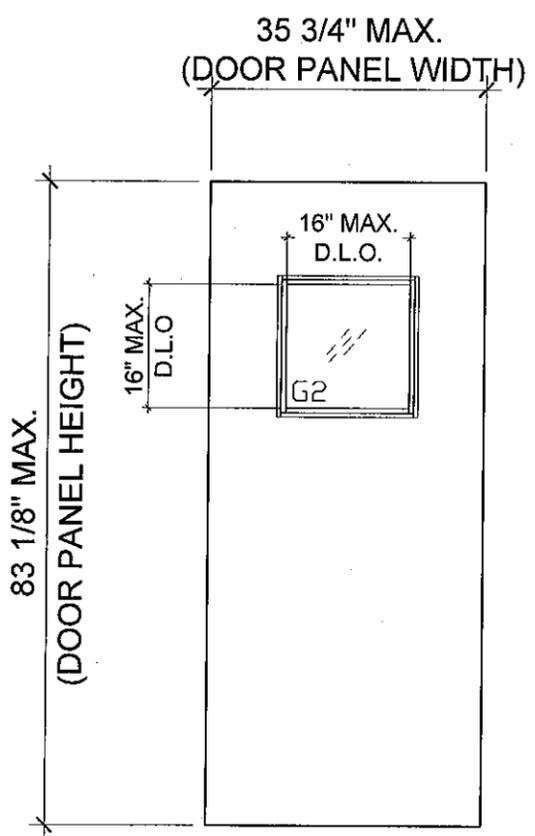
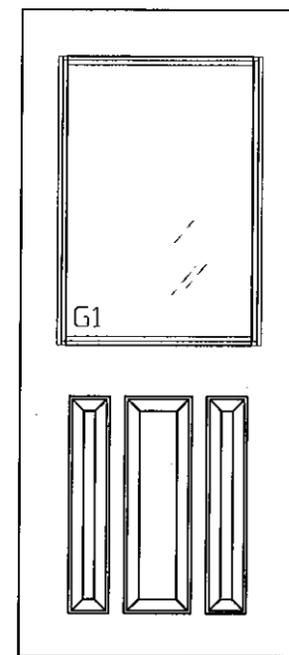
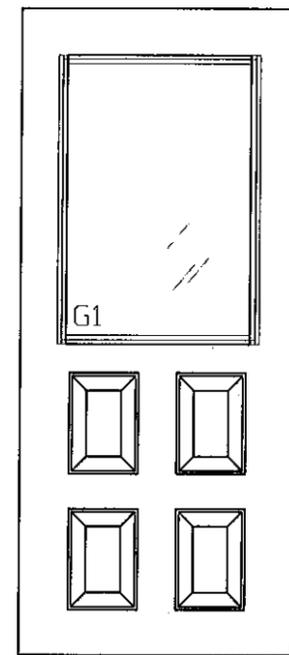
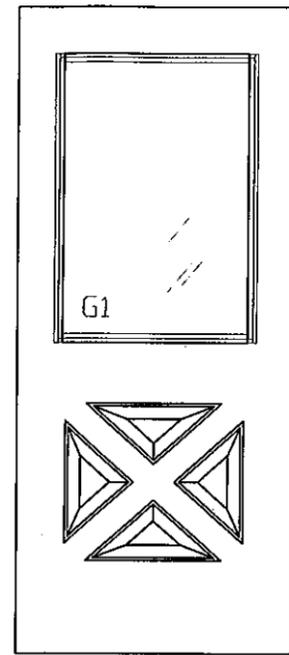
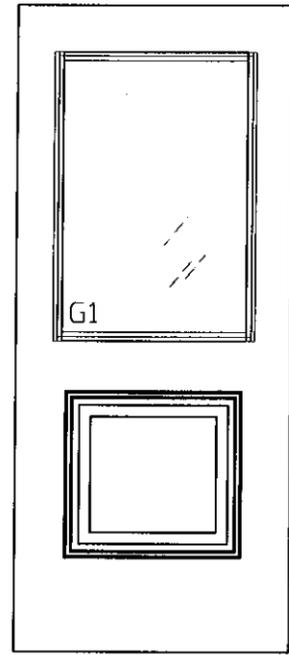
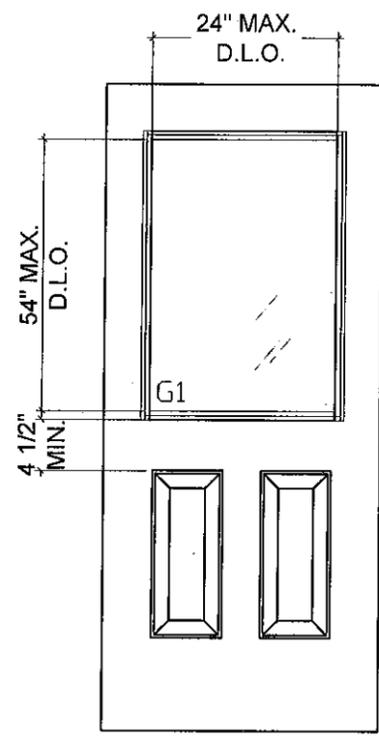
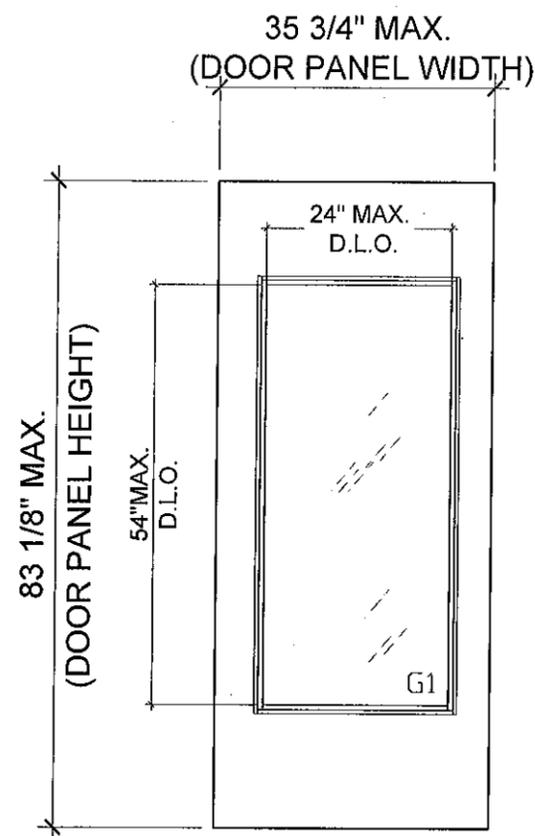
YIPING WANG, P.E.  
FLORIDA REGISTRATION NO #55983  
C.A.N. 28677

STATE OF FLORIDA  
PROFESSIONAL ENGINEER

FEB 21 2012

DATE	02-02-12
SCALE	NTS.
DRAWN BY	S.L.
PROJECT	11-007
DRAWING NO. AD11-05	
SHEET 8 OF 9	

MIAMI DADE COUNTY



Approved as complying with the  
Florida Building Code  
Date MAR 09, 2012  
NOA# 11-0901-07  
Miami Design Product Control  
by Y. Wang

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

MIAMI DADE COUNTY

FEB 21 2012

Y. WANG  
Y. WANG, P.E.  
PROFESSIONAL ENGINEER  
REGISTRATION  
NO. #559983  
NO. 28677

STATE OF FLORIDA  
PROFESSIONAL ENGINEERS

NO.	DATE	REVISIONS DESCRIPTION

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
www.MCYUS.com

P: 305.271.0117  
F: 786.573.5063  
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	N.T.S.
DRAWN BY	S.L.
PROJECT	11-007
DRAWING NO.	AD11-05
SHEET	9 OF 9