



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**Arch Aluminum & Glass Co., Inc.
10200 NW 67th Street
Tamarac, FL 33321**

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 Division 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 Division (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 Division 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 "Impact Line" Outswing Aluminum French Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-234**, titled "Outswing Aluminum Impact Door Large & Small Missile Impact Rated", sheets 1 through 12 of 12, prepared by the EngCo Inc., dated 12/06/08, signed and sealed by Pedro De Figueiredo, 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 Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 # 05-0829.08** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



**NOA No. 09-0105.01
Expiration Date: March 17, 2010
Approval Date: April 22, 2009
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

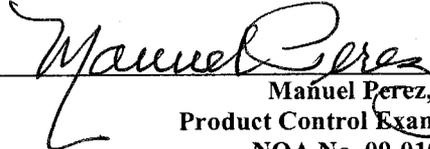
1. Manufacturer's die drawings and sections.
2. Drawing No **08-234**, titled "Outswing Aluminum Impact Door Large & Small Missile Impact Rated", sheets 1 through 12 of 12, prepared by the EngCo Inc., dated 12/06/08, signed and sealed by Pedro De Figueiredo, P. E.

B. TESTS

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of mid panel door, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5767**, dated 11/06/08, signed and sealed by Carlos S. Rionda, P. E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, Per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum door line, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4264**, dated 08/03/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted Under NOA# 04-1208.01)
3. 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) Large Missile Impact Test per FBC, TAS 201-94
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
5) Forced Entry Test, Per FBC 2411 3.2.1 and TAS 202-94
along with marked-up drawings and installation diagram of aluminum door line, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4184**, dated 06/18/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted Under NOA# 04-1208.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by the EngCo Inc., dated 12/19/08, signed and sealed by Pedro De Figueiredo, P. E.
Complies with ASTM E1300-98/04


Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0105.01
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Arch Aluminum & Glass Co., Inc.

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D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

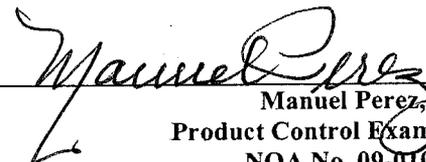
1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® Plus**" dated 01/03/08, expiring on 01/14/12.
2. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their "**Saflex IIIG Clear or colored interlayer**" dated May 04, 2006, expiring on May 21, 2011.
3. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex HP Glass Interlayer**" dated 04/17/2008, expiring on 04/17/2013.

F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated December 10, 2008, signed and sealed by Pedro De Figueiredo, P. E.
2. Laboratory compliance letter for Test Report No. **FTL-5767** issued by Fenestration Testing Laboratory, Inc., dated November 06, 2008, signed and sealed by Carlos S. Rionda, P. E.
3. Laboratory compliance letter for Test Reports No. **FTL-4184** and **FTL-4264** issued by Fenestration Testing Laboratory, Inc., dated June 18 and August 03, 2004, signed and sealed by Edmundo Largaespada, P. E.
(Submitted Under NOA# 04-1208.01)

G. OTHERS

1. Notice of Acceptance No. **05-0829.08**, issued to Arch Aluminum & Glass Co., Inc. for their Series "**Aluminum Outswing Doors Line – L.M.I.**", approved on 01/05/06 and expiring on 03/17/10.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-0105.01

Expiration Date: March 17, 2010
Approval Date: April 22, 2009

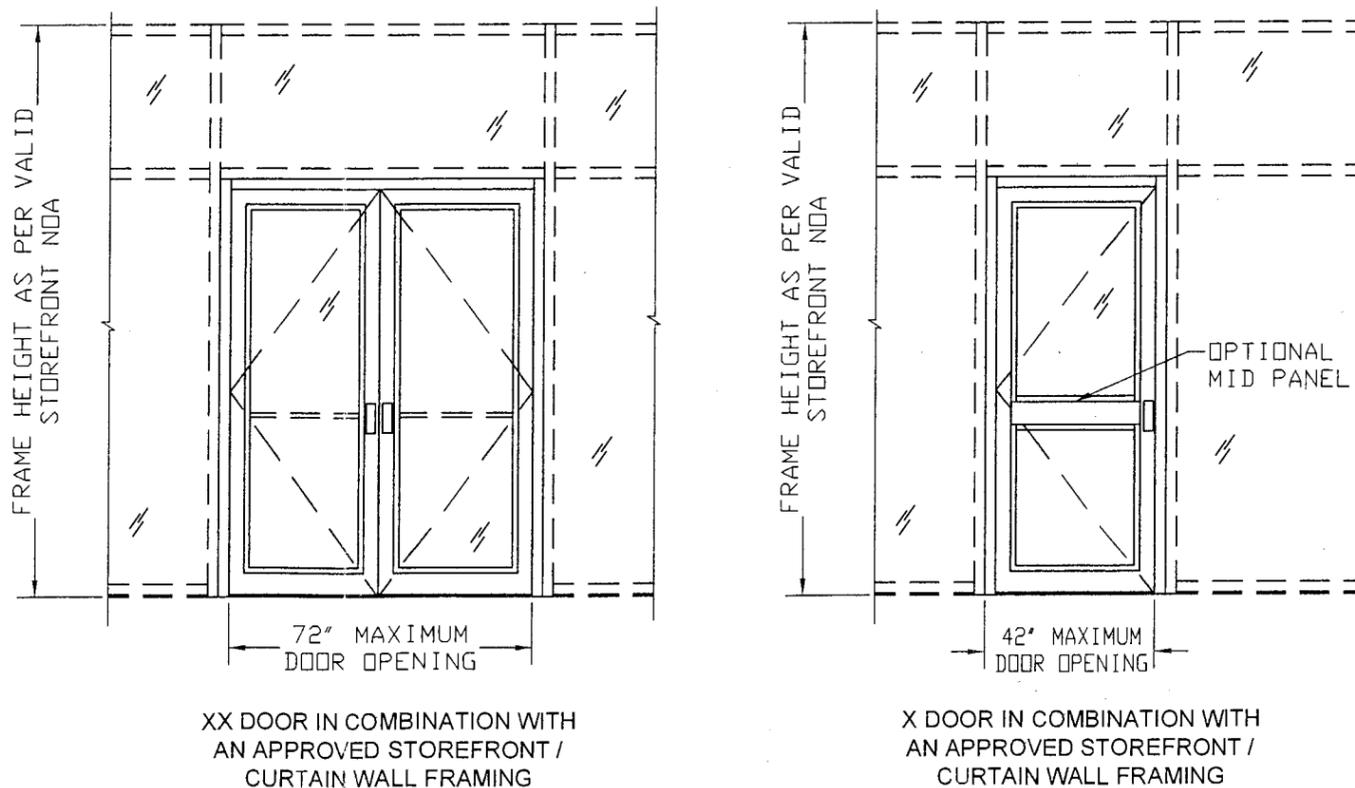
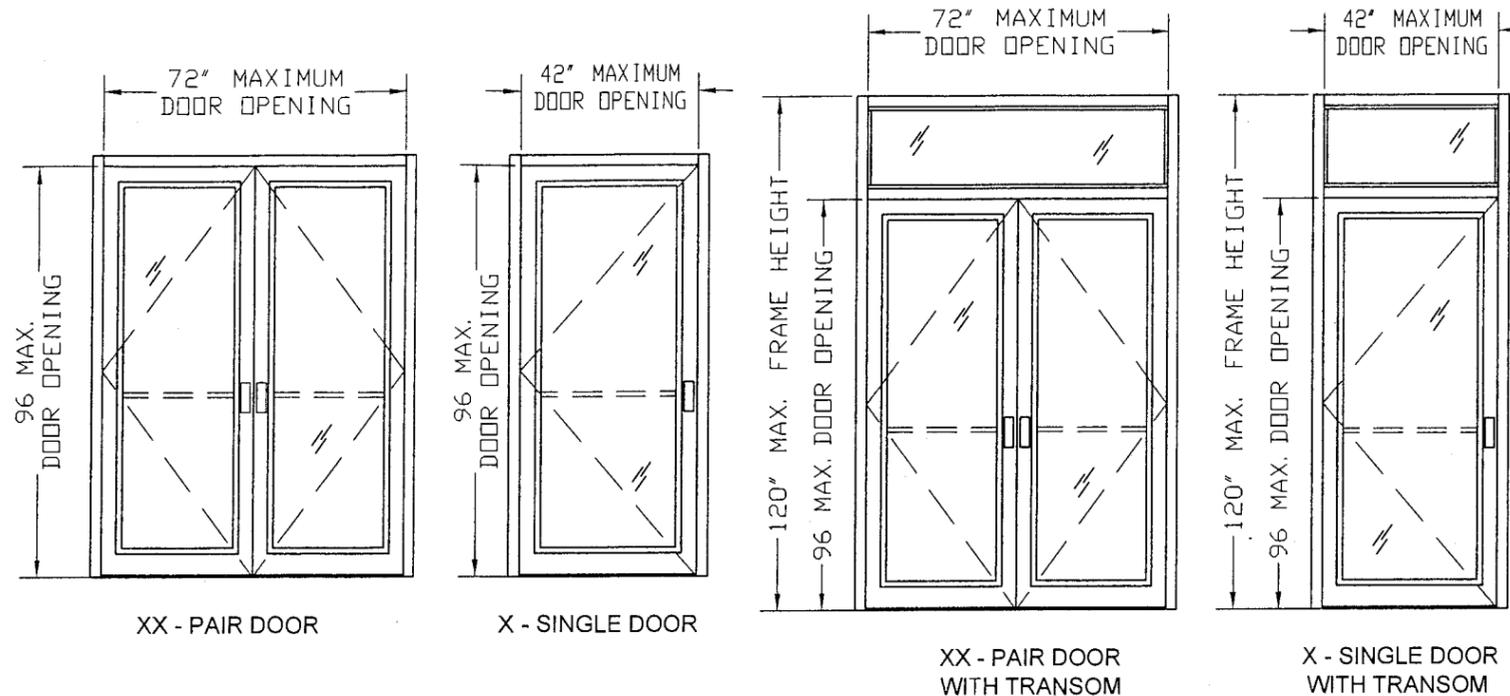
USER INSTRUCTIONS:

- 1- DETERMINE PROJECT DESIGN WIND LOAD PRESSURES (Pd) AS PER ITEM 4 OF GENERAL NOTES, SHEET 1.
- 2- VERIFY IF MAXIMUM DOOR OPENING ALLOWABLE PRESSURE AS PER TABLE 4, SHEET 2 IS GREATER THAN Pd.
- 3- VERIFY IF GLASS TYPE ALLOWABLE DESIGNED PRESSURE ON TABLE 1/1A, SHEET 2 IS GREATER THAN Pd.
- 4- VERIFY IF HARDWARE ALLOWABLE DESIGNED PRESSURE ON TABLE 2, SHEET 2 IS GREATER THAN Pd.
- 5- VERIFY IF FRAMING TYPE ALLOWABLE PRESSURE ON TABLE 3, SHEET 2 IS GREATER THAN Pd.
- 6- INCORPORATE A VALID NOTICE OF ACCEPTANCE FOR THE FRAMING WHEN DOORS ARE TO BE PART OF A STOREFRONT OR CURTAIN WALL ELEVATION.

GENERAL NOTES:

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2007 EDITION - (INCLUDING THE HIGH VELOCITY HURRICANE ZONE)
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM OUTSWING DOOR WITH LARGE AND SMALL MISSILE IMPACT RESISTANT LAMINATED GLASS.
- 3- POSTING:
"OUTSWING ALUMINUM IMPACT DOOR
ARCH ALUMINUM & GLASS CO., INC.
TAMARAC - BROWARD COUNTY - FL
DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- DESIGN LOADS: LOADS TO BE CALCULATED, BASED ON ASCE 7, BY A PROFESSIONAL ARCHITECT OR ENGINEER FOR EACH SPECIFIC PROJECT.
- 5- MATERIAL: ALL ALUMINUM PARTS TO BE 6063-T6 OR AS INDICATED AND GLAZING TO BE LAMINATED IMPACT RESISTANT GLASS AS SPECIFIED ON THIS APPROVAL.
- 6- FASTENERS: ASSEMBLY SCREWS AND ANCHORS SHALL BE AS SPECIFIED IN THIS CURRENT SET OF DRAWINGS.
- 7- USE: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, ARCHITECT OR ENGINEER OF RECORD TO VERIFY THE FOLLOWING:
 - 7.1- THE STABILITY OF THE STRUCTURE WHERE THE UNIT IS TO BE ATTACHED INSURING PROPER ANCHORAGE.
 - 7.2- THE SITE SPECIFIC PROJECT CRITERIA, SUCH AS BUT NOT LIMITED TO, LOCAL CODE REQUIREMENTS, DESIGNED PRESSURES ETC.
 - 7.3- THAT THIS APPROVAL IS ADEQUATE TO THE SPECIFIC PROJECT.
- 8- 33 1/3% INCREASE IN ALLOWABLE LOADS HAVE NOT BEEN USED IN THE DESIGN OF THE ANCHORS FOR THIS PRODUCT APPROVAL, HOWEVER, WOOD ANCHORS WITH 1.6 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

TYPICAL ELEVATIONS



MANUFACTURER:



Aluminum & Glass Co. Inc.

10200 NW 67th STREET
TAMARAC - FLORIDA
TEL.: (800) 432-8132
FAX.: (954) 724-9293



OUTSWING ALUMINUM
IMPACT DOOR
LARGE & SMALL MISSILE IMPACT RATED

Engineering:

EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
Plantation, FL 33313
ENGCO@AOL.COM

DEC 12 2008

Engineer Seal
Pedro De Figueiredo
PE 52609

DRAFTING:
PK DRAFTING & MORE

MIAMI-DADE BCCO:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 09-0105.01
Expiration Date 03/17/2010
By *Manuel Perez*
Miami Dade Product Control
Division

Date: 12/06/08
Scale: NA
Design by: PPMF

Drawing Number
08-234

SHEET
1 of 12

TABLE 1 - ALLOWABLE DESIGNED PRESSURES FOR DOOR GLAZING TYPES:

ITEM#	DESCRIPTION	ALLOWABLE PRESSURE (PSF)
G1	7/16" LAMINATED W/ (2) 3/16" HS GLASS LITES WITH 0.10 SAFLEX HP INTERLAYER	±85
G2	7/16" LAMINATED W/ (2) 3/16" HS GLASS LITES WITH 0.09 SENTRY GLASS PLUS INTERLAYER	±85
G3	7/16" LAMINATED W/ (2) 3/16" HS GLASS LITES WITH 0.09 SAFLEX IIIG (KEEPSAFE) INTERLAYER	±80

TABLE 1A - ALLOWABLE DESIGNED PRESSURES FOR TRANSOM GLAZING TYPES:

ITEM#	DESCRIPTION	ALLOWABLE PRESSURE (PSF)
G5	9/16" LAMINATED W/ (2) 1/4" HS GLASS LITES WITH 0.10 SAFLEX HP INTERLAYER	±85
G6	9/16" LAMINATED W/ (2) 1/4" HS GLASS LITES WITH 0.09 SENTRY GLASS PLUS INTERLAYER	±85
G7	9/16" LAMINATED W/ (2) 1/4" HS GLASS LITES WITH 0.09 SAFLEX IIIG (KEEPSAFE) INTERLAYER	±85

TABLE 2 - ALLOWABLE DESIGNED PRESSURES FOR HARDWARE CONFIGURATIONS:

	ITEM#	LOCATION	DESCRIPTION	SUPPLIER REMARKS	ALLOWABLE PRESSURE (PSF)
HINGES PIVOTS	H1	HINGE STILES	ALUMINUM ROTON HINGE	HAGER	± 85
	H2		TOP, MID & BOTTOM PIVOT	JACKSON/IVES	
	H3		4 1/2" STEEL BUTT HINGES	REGENT	
	H4		4 1/2" BRASS BUTT HINGES	HAGER	
LOCKS	L1	ACTIVE STILE	3 POINT LOCK KEY OPERATED FROM EXTERIOR AND THUMB TURN ON INTERIOR	ADAMS RITE	± 85
	L2	INACTIVE STILE	2 POINT LOCK OPERATED ON INTERIOR WITH THUMB TURN		
PANIC DEVICES	P1	ACTIVE & INACTIVE STILES	2 POINT LOCK OPERATED ON INTERIOR W/ G86 DEVICE	ADAMS RITE	± 70
	P2		2 POINT LOCK OPERATED ON INTERIOR W/ 1490 DEVICE AND KEY ON EXTERIOR	DOOR-O-MATIC	
	P3		2 POINT LOCK OPERATED ON INTERIOR W/ 1085 DEVICE AND KEY ON EXTERIOR	JACKSON	
	P4		2 POINT LOCK OPERATED ON INTERIOR W/ 2086 DEVICE AND KEY ON EXTERIOR	JACKSON	
	P5		2 POINT LOCK OPERATED ON INTERIOR W/ 9947 DEVICE AND KEY ON EXTERIOR	VON DUPRIN	

TABLE 3 - ALLOWABLE DESIGNED PRESSURES FOR DOOR FRAMING TYPES:

ITEM#	DESCRIPTION	ALLOWABLE PRESSURE (PSF)
SF1	1 1/4" x 4 1/2" 3000 SERIES IMPACT	± 80
SF2	2 1/2" x 5" IFG 5000 SERIES IMPACT	± 85

NOTES:

1- PRESSURE 1 IS FOR UNITS INSTALLED AT LOCATIONS PROTECTED BY A OVERHANG MEETING CRITERIA AS PER ILLUSTRATION "Z" OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTABLE.

2- PRESSURE 2 IS FOR UNITS MEETING THE WATER INFILTRATION REQUIREMENTS AND FABRICATED AS PER SECTIONS 2, 2A, 2B, 3 AND 5 WITH ITEMS 12, 13, 14, 15, 16 & D7A AS PER SHEET 9.

BILL OF MATERIALS

MISCELLANEOUS DOOR COMPONENTS:

ITEM#	PART #	DESCRIPTION	MATERIAL	SUPPLIER/REMARKS
1	V2104	TAPE 1/2x1/8	-	NORTON
2	995	GLAZING SEALANT	SILICONE	DOW CORNING
3	H-65	BULB WEATHERSTRIPPING	NEOPRENE	UNIVERSAL RUBBER
4	H-63	WEDGE-IN GASKET	NEOPRENE	UNIVERSAL RUBBER
5	V2100	TAPE 3/8x1/4	-	NORTON
6	H-62D	SETTING BLOCK	NEOPRENE	UNIVERSAL RUBBER
7	S-PILE	PILE W' STRIPPING	-	SCHLEGEL
8	-	BULB W' STRIPPING	VINYL	PEMKO
9	-	PULL HANDLE @ 42 1/2"	6063-T6	ARCH ALUMINUM
10	-	PUSH BAR @ 42 1/2"	6063-T5	ARCH ALUMINUM
11	TR36	3/8" THREADED ROD W/ NUT	-	ARCH ALUMINUM
12	347A	TOP RAIL RAIN CAP	6063-T5	PEMKO
13	68AR	TOP RAIL RAIN CAP	6063-T5	PEMKO
14	345AV	BOTTOM RAIL SWEEP	6063-T5	PEMKO
15	209V	BOTTOM RAIL SWEEP	6063-T5	PEMKO
16	H355	ASTRAGAL	6063-T5	PEMKO
17	-	3/16" ALUM. ANGLE	6063-T6	ARCH ALUMINUM
18	26203	INT. TIE ROD REINF. PLATE	6063-T6	ARCH ALUMINUM
19	-	EXT. TIE ROD REINF. PLATE	6063-T6	ARCH ALUMINUM
20	1109	BASE ANCHOR	6063-T6	ARCH ALUMINUM

NOTE: 1- ITEMS #9, #10 AND MID PANEL ARE OPTIONAL.

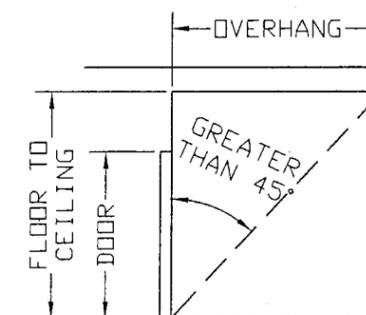
FRAMING & DOOR PARTS (MANUFACTURED BY ARCH ALUMINUM)

ITEM#	PART #	DESCRIPTION	MATERIAL
F1	3001	DOOR HEADER/TRANSOM	6063-T6
F2	3000	DOOR HEADER/JAMB	6063-T6
F3	1012	ALTERNATE DOOR HEADER	6063-T6
F4	3004	SHEAR BLOCK	6063-T5
F5	3003	GLASS STOP	6063-T6
F6	50512	DOOR JAMB	6063-T6
F7	50513	DOOR HEADER/TRANSOM	6063-T6
F8	50506	SIDE LITE FILLER	6063-T6
F9	3008	GLAZING ADAPTER	6063-T6
F10	3009	FIXED LITE STOP	6063-T6
F11	AGA881	FLAT POCKET FILLER	6063-T6
F12	38424	SHEAR BLOCK	6063-T6
F13	50513	DOOR JAMB/ HEADER	6063-T6
D1	AGA150	ACTIVE STILE	6063-T5
D2	AGA155	INACTIVE STILE	6063-T5
D3	AGA73	HINGE STILE	6063-T5
D4	AGA152	5" BOTTOM/TOP/MID RAIL	6063-T5
D4A	AGA69	7 1/2" BOTTOM RAIL	6063-T5
D4B	35131	10" BOTTOM RAIL	6063-T6
D5	AGA5	3 1/2" TOP/MID RAIL	6063-T5
D6	1040	4" X1/2" SADDLE THRESHOLD	6063-T5
D7	2005A	5" X1/2" BUMPER THRESHOLD	6063-T5
D7A	1042	4" X1/2" SADDLE THRESHOLD	6063-T5
D8	1046A	STD DOOR STOP	6063-T5
D8A	AGA95	DOOR STOP	6063-T5
D8B	H67	DOOR STOP CLIP	SS 301/302
D9	3006	EXTERIOR GLASS STOP	6063-T5
D9A	3005	INTERIOR GLASS STOP	6063-T6

TABLE 4 - ALLOWABLE DESIGNED PRESSURES BASED ON WATER INFILTRATION

DOOR OPENING	72x96	42x96	36x96
PRESSURE 1	±85	±80	±85
PRESSURE 2	±70	NA	±70

ILLUSTRATION "Z"



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OUTSWING ALUMINUM
IMPACT DOOR
LARGE & SMALL MISSILE IMPACT RATED

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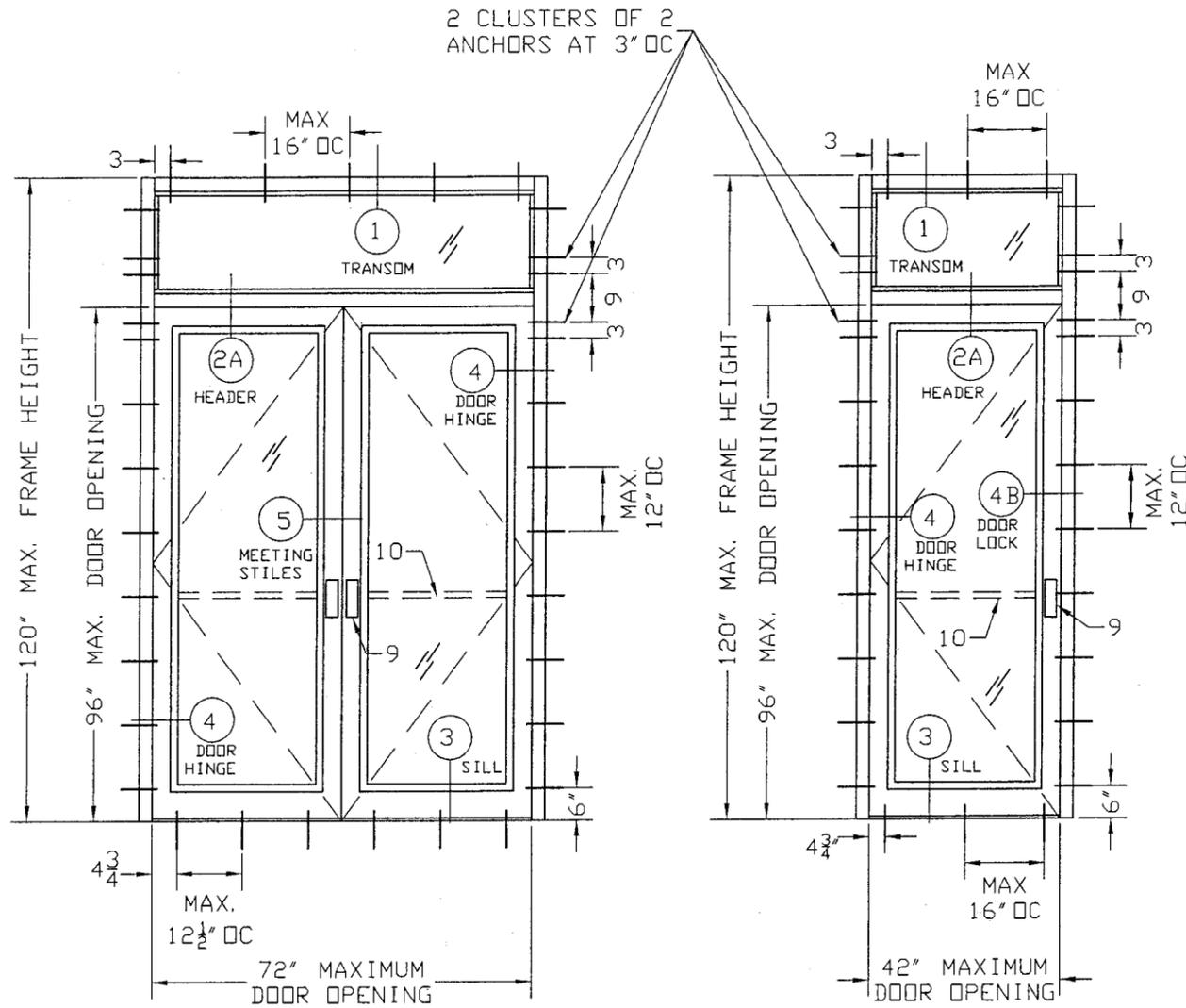
By *Manuel Silva*
Miami Dade Product Control
Division

Date: 12/06/08
Scale: NA
Design by: PPMF

Drawing Number
08-234

SHEET
2 of 12

TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



XX/O PAIR DOOR WITH TRANSOM

X/O SINGLE DOOR WITH TRANSOM

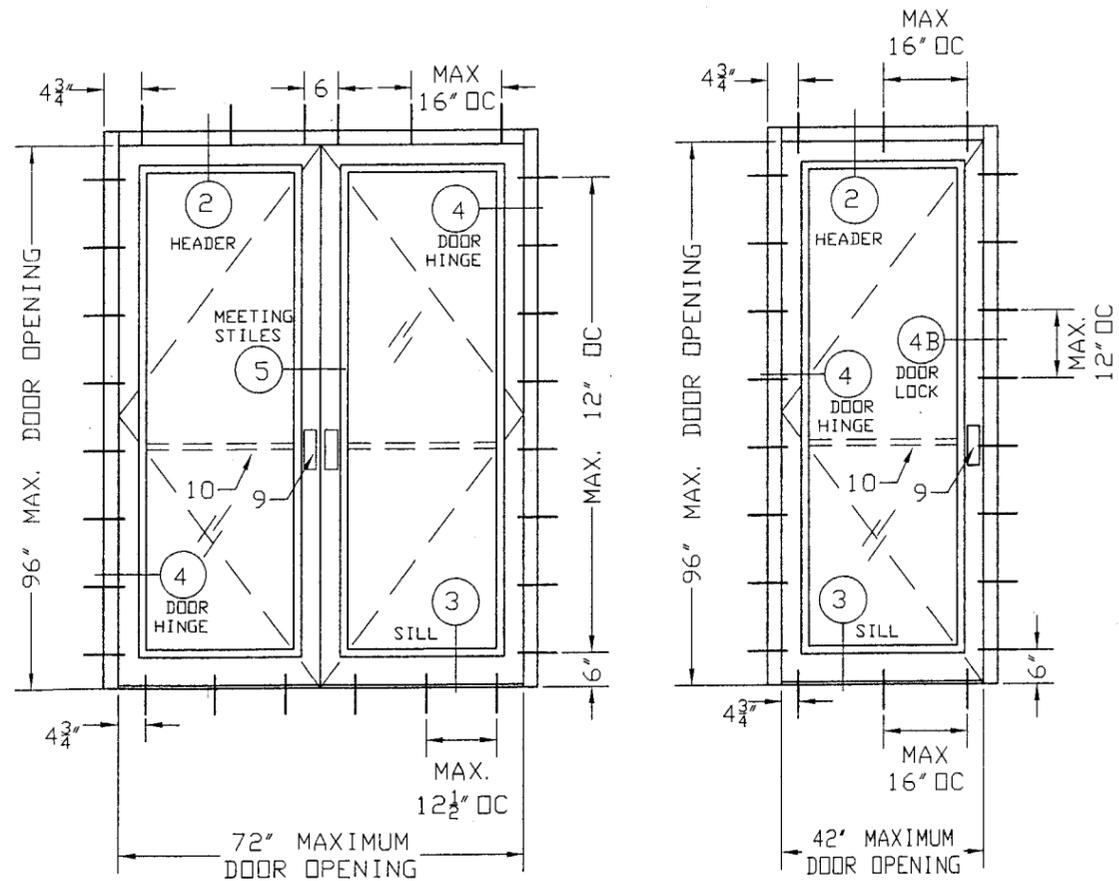
TYPICAL ANCHORS

TYPE	DESCRIPTION	MIN. E. D.
A	#14 SS WOOD SCREWS OR 1/4" TAPCONS W/ 1 1/2" EMBED. INTO WOOD (SG= .55)	1"
B	1/4" TAPCONS W/ 1 1/4" EMBED. INTO MASONRY	2-1/2"
C	1/4-14 GRADE 5 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T6 ALUMINUM OR ASTM A36 STEEL)	3/4"

E. D. - EDGE DISTANCE BEYOND WALL DRESSING STRUCTURAL BUCKS TO BE DESIGNED BY OTHERS

XX - PAIR DOOR

X - SINGLE DOOR



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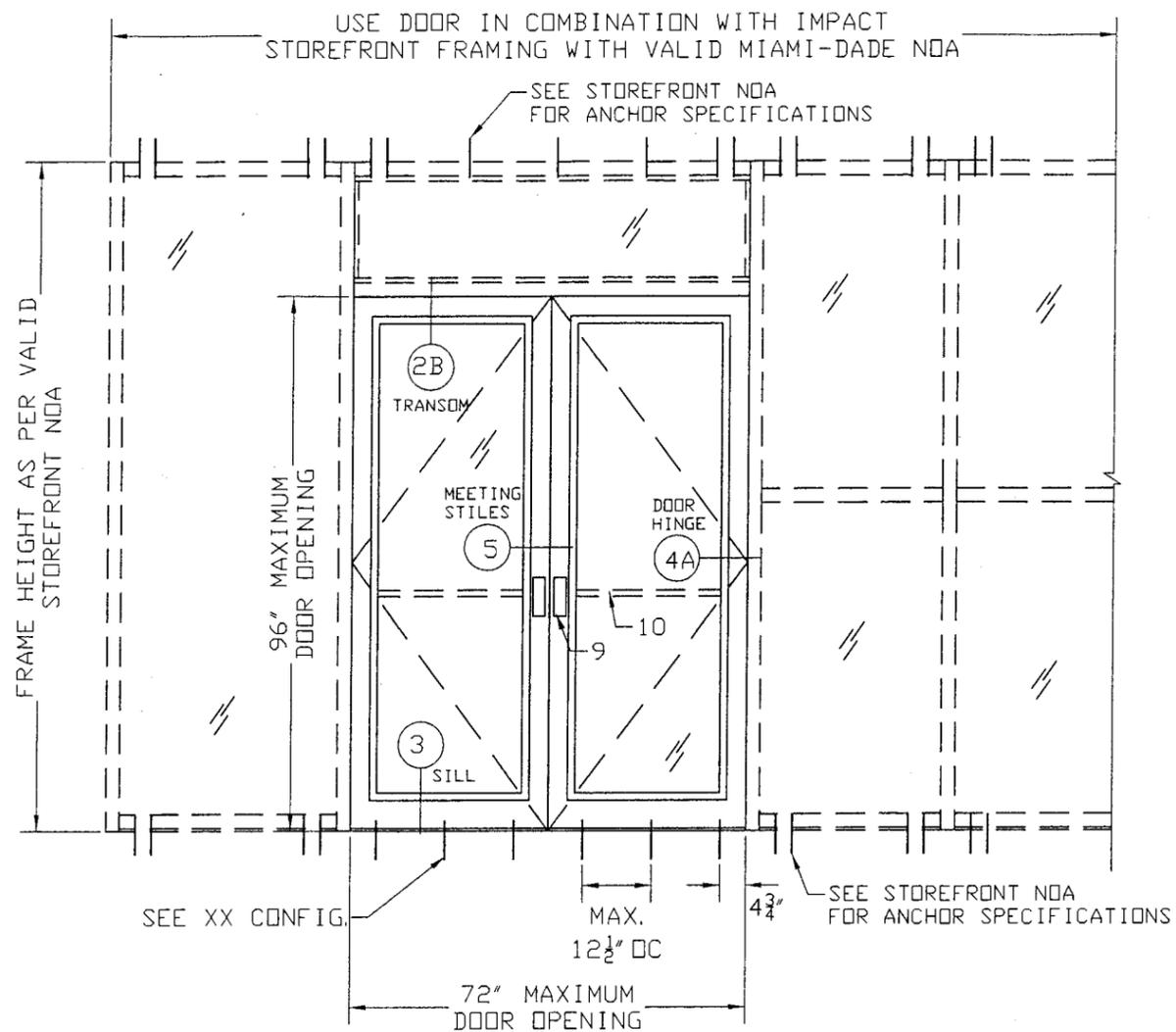
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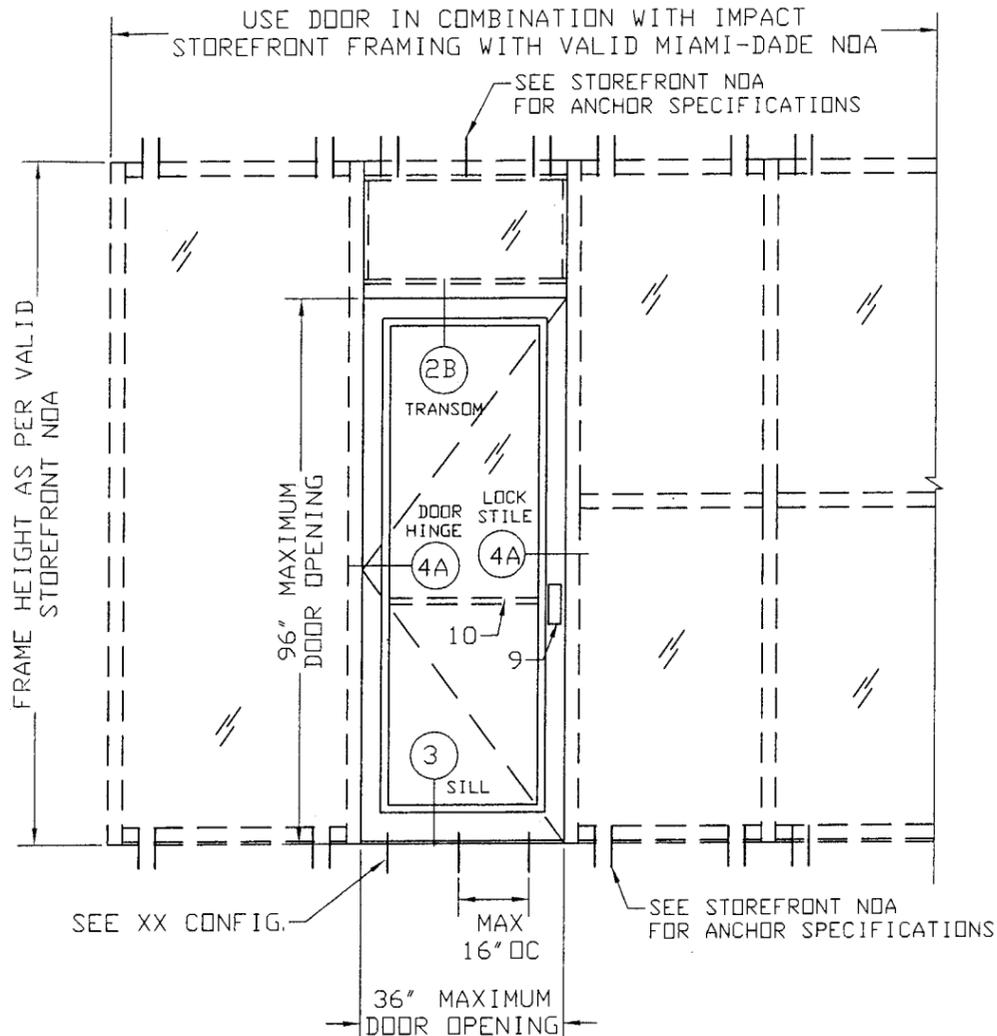
Drawing Number
08-234

SHEET
3 of 12

TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



XX DOOR IN COMBINATION WITH AN APPROVED STOREFRONT FRAMING



X DOOR IN COMBINATION WITH AN APPROVED STOREFRONT FRAMING

TYPICAL ANCHORS

TYPE	DESCRIPTION	MIN. E. D.
A	#14 SS WOOD SCREWS OR 1/4\"/>	
B	1/4\"/>	
C	1/4-14 GRADE 5 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8\"/>	

E. D. - EDGE DISTANCE BEYOND WALL DRESSING STRUCTURAL BUCKS TO BE DESIGNED BY OTHERS

MANUFACTURER:



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By *Manuel P...*
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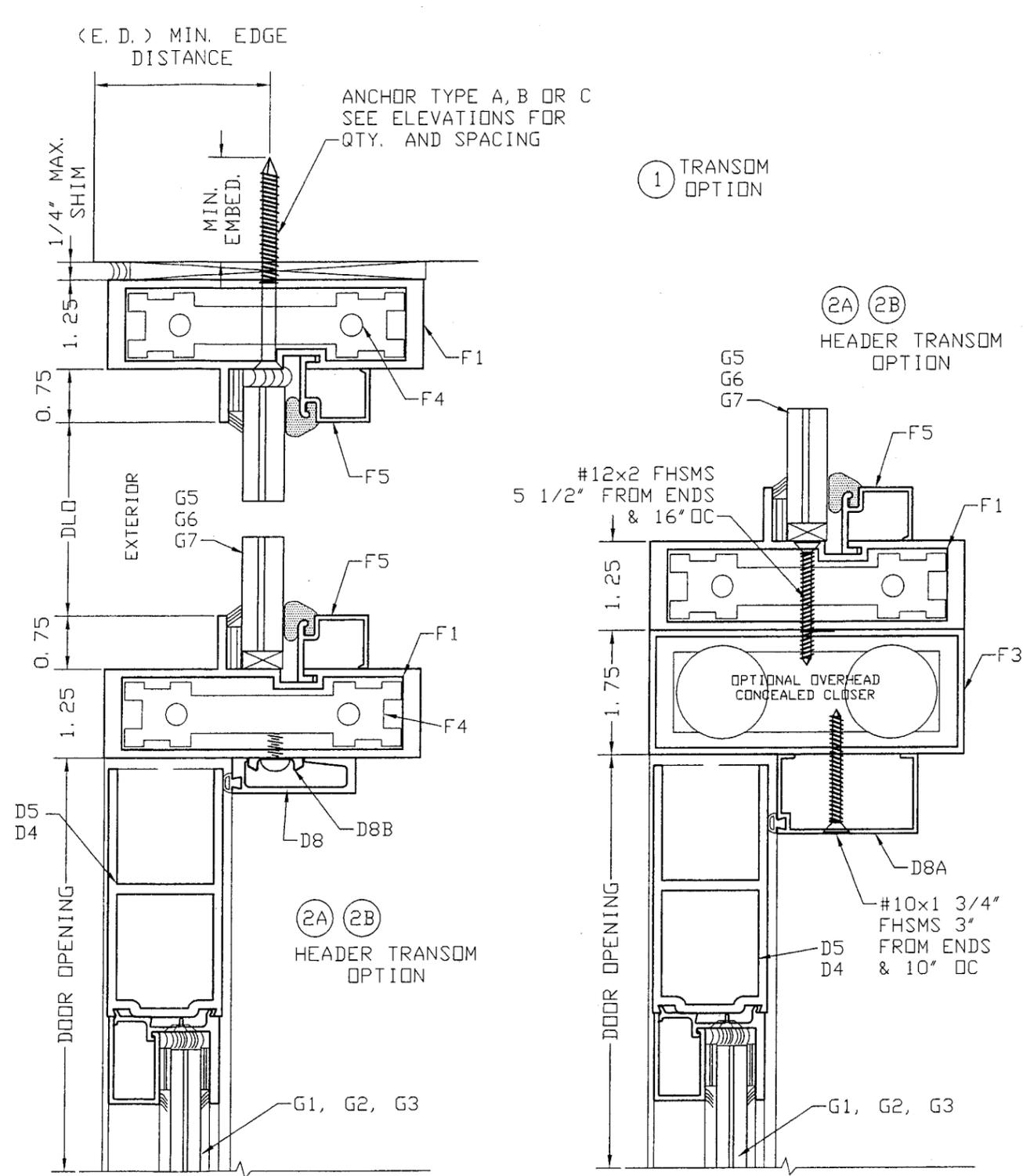
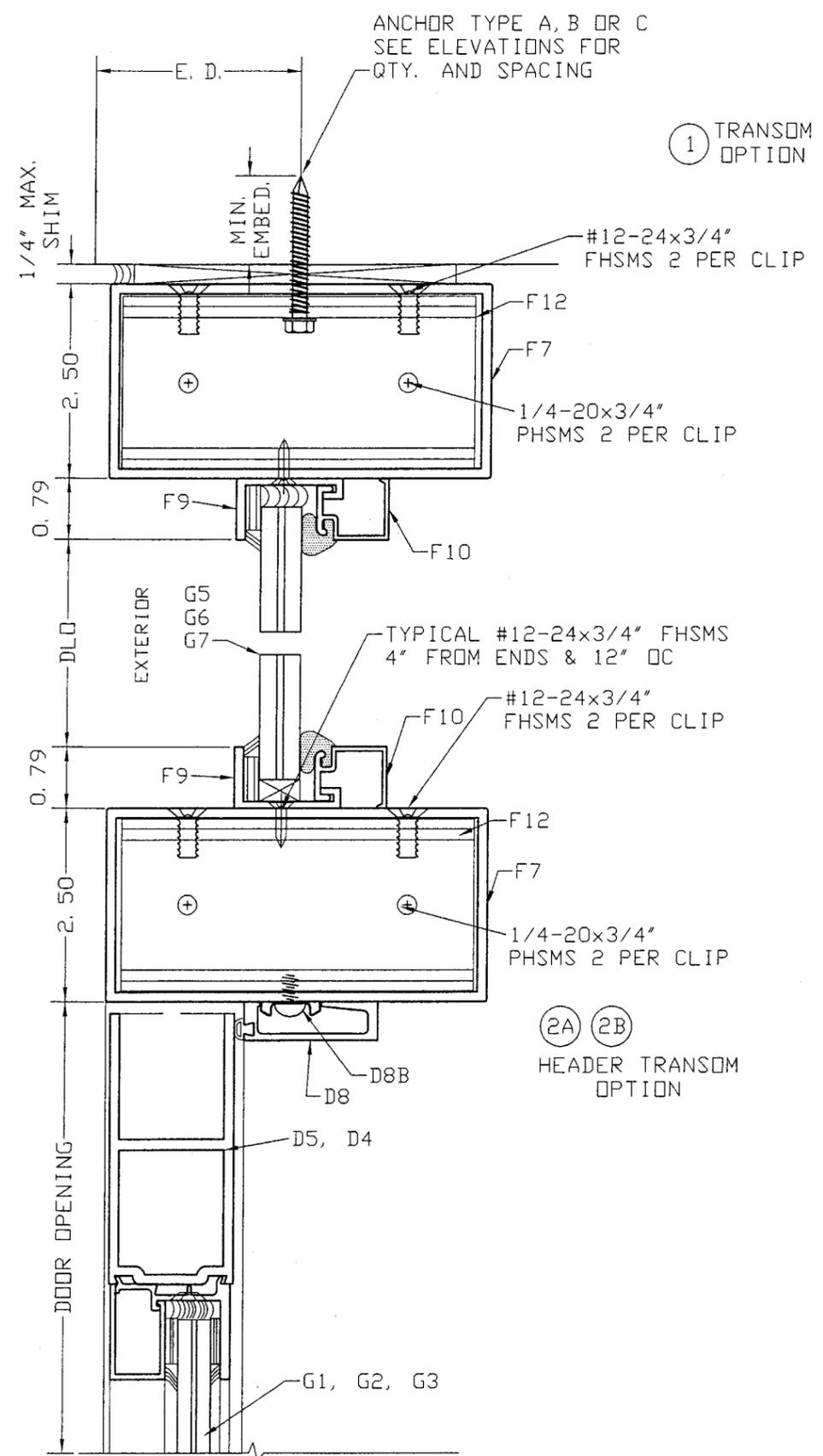
Date: 12/06/08
Scale: NA
Design by: PPMF

Drawing Number
08-234

SHEET
4 of 12

TRANSOM DETAILS
WITH IFG 5000 FRAMING

TRANSOM DETAILS
WITH IFG 3000 FRAMING



NOTES:
1- D8 DOOR STOP ANCHORED TO STEEL CLIPS D8B SPACED AT 4\"/>

MANUFACTURER:

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OUTSWING ALUMINUM
IMPACT DOOR
LARGE & SMALL MISSILE IMPACT RATED

Engineering:
EngCo Inc.
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6971 W. Sunrise Blvd. 104
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DRAFTING:
PK DRAFTING & MORE

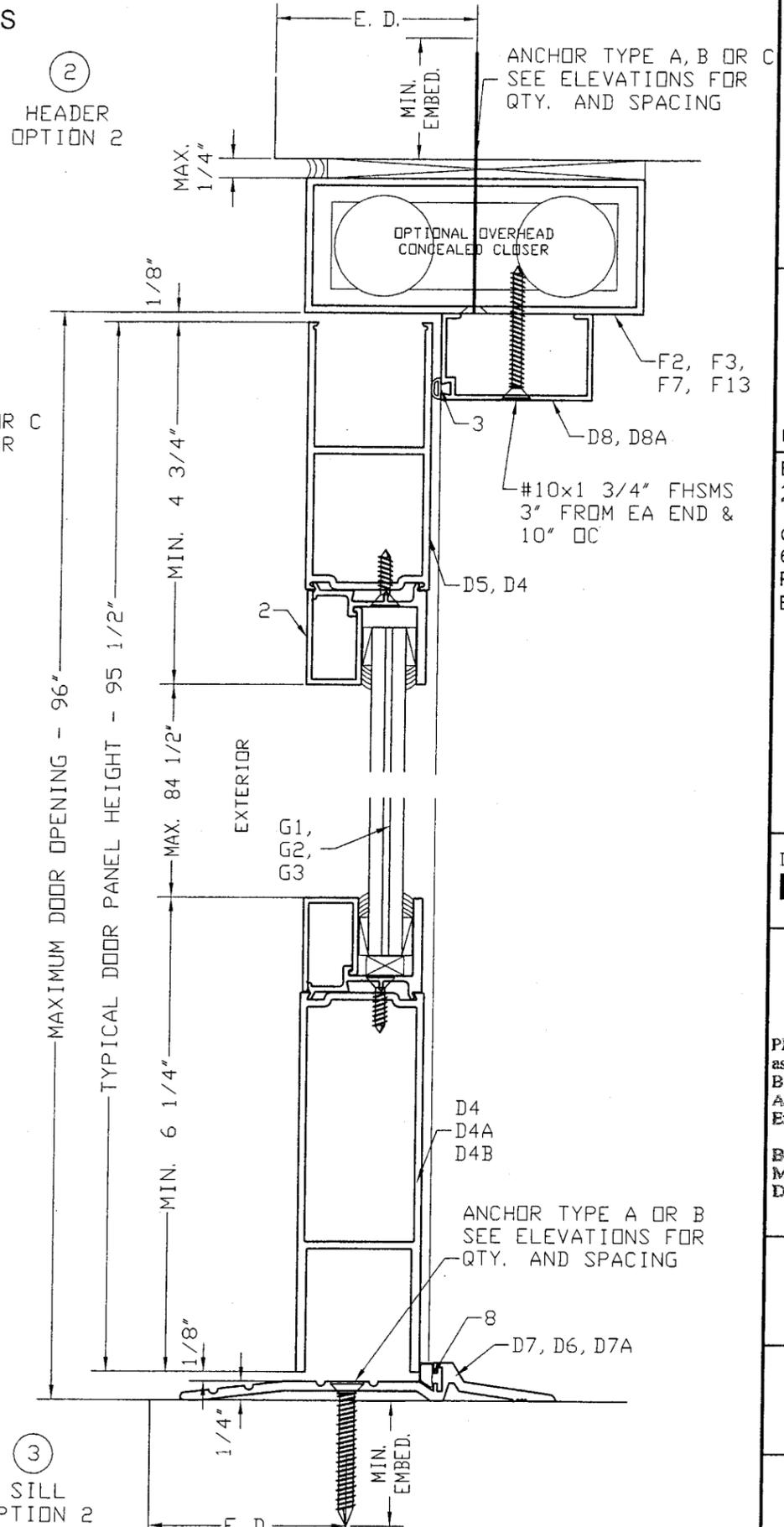
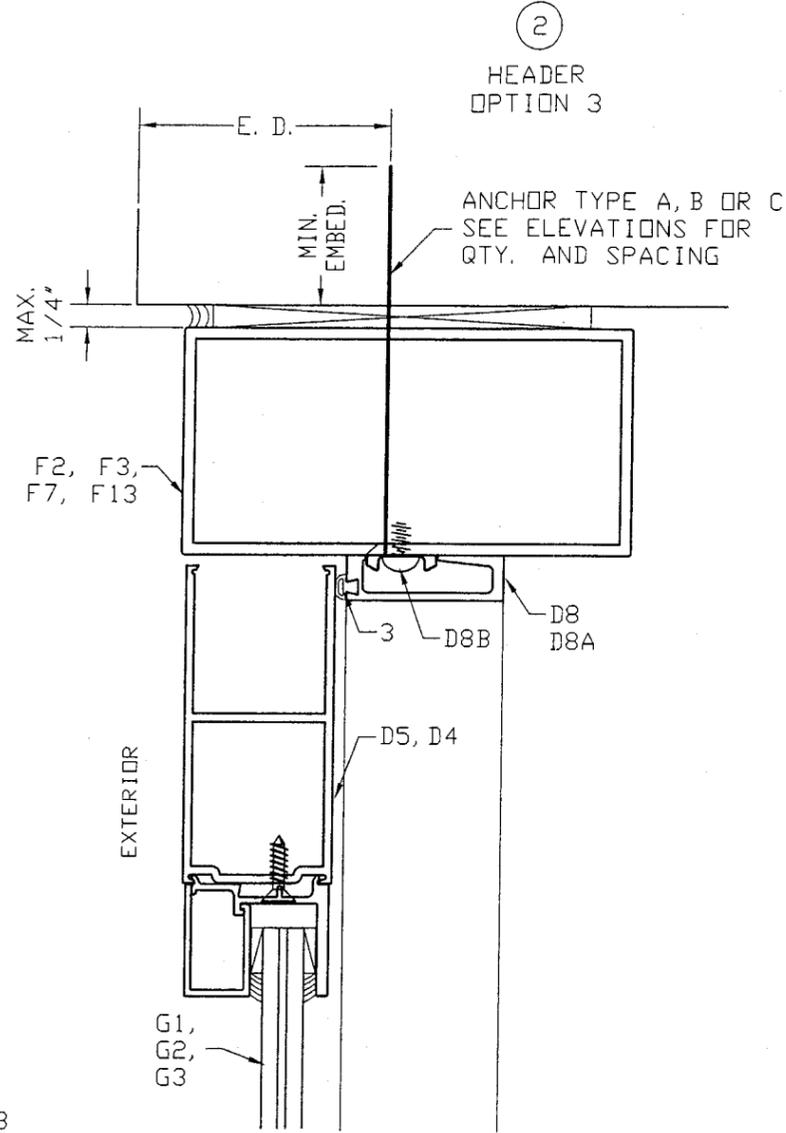
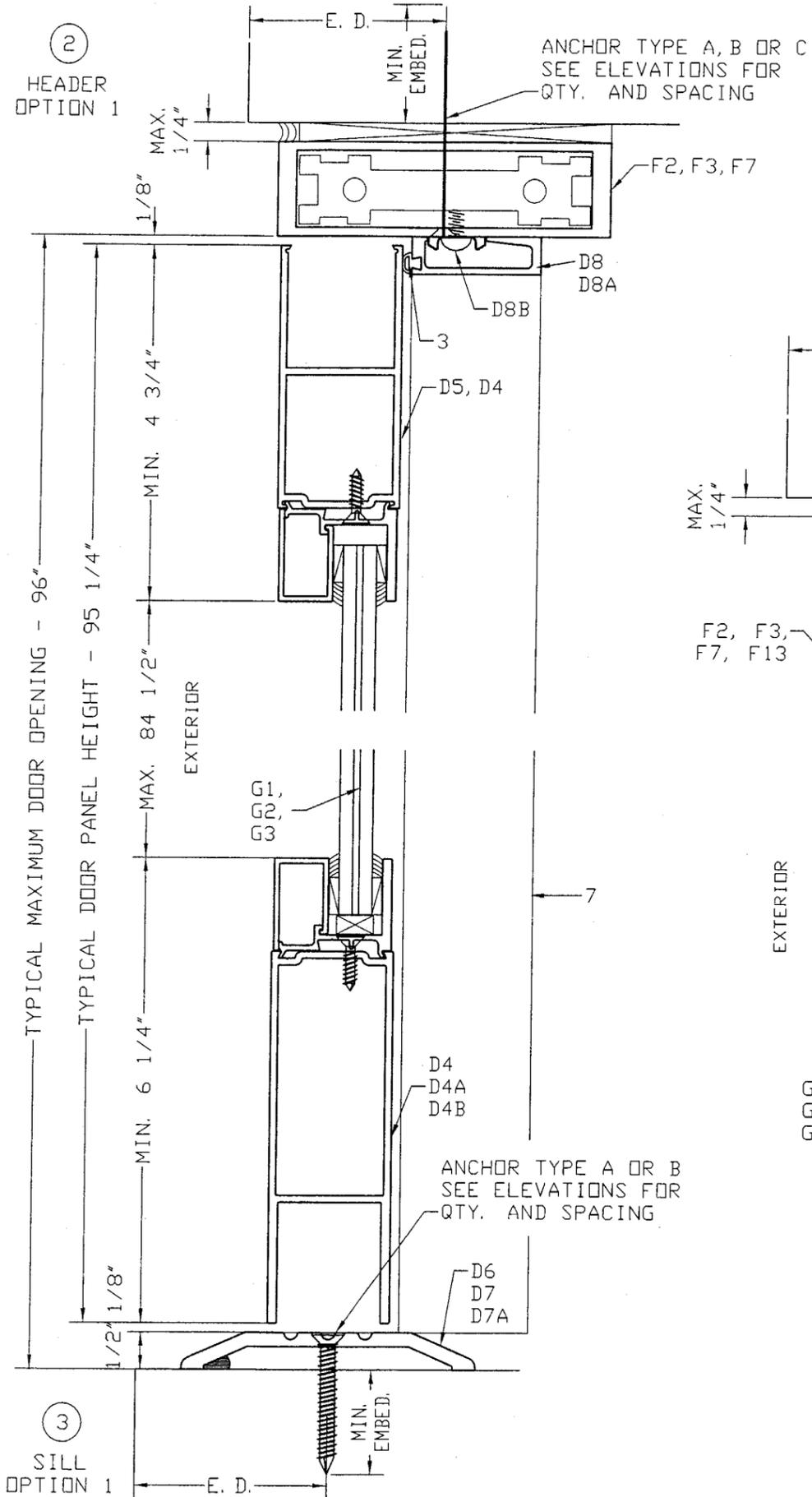
MIAMI-DADE BCCO:
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Expiration Date 03/17/2010
By *Maurice Perry*
Miami/Dade Product Control
Division

Date: 12/06/08
Scale: NA
Design by: PPMF

Drawing Number
08-234

SHEET
5 of 12

DOOR VERTICAL SECTIONS DETAILS



MANUFACTURER:


Aluminum & Glass Co. Inc.

10200 NW 67th STREET
 TAMARAC - FLORIDA
 TEL.: (800) 432-8132
 FAX.: (954) 724-9293



OUTSWING ALUMINUM
 IMPACT DOOR
 LARGE & SMALL MISSILE IMPACT RATED

Engineering:

EngCo Inc.

CA 8116
 6971 W. Sunrise Blvd. 104
 Plantation, FL 33313
 ENGCO@AOL.COM

DEC 12 2008

Engineer Seal
 Pedro De Figueiredo
 PE 52609

DRAFTING:

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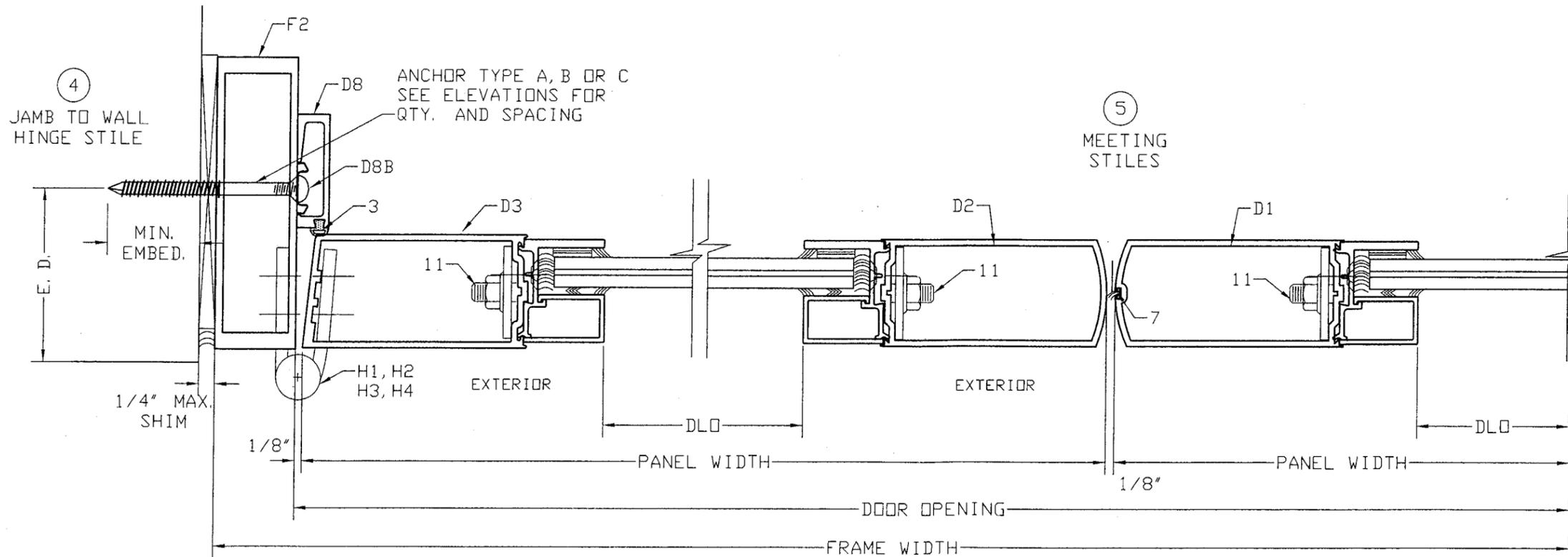
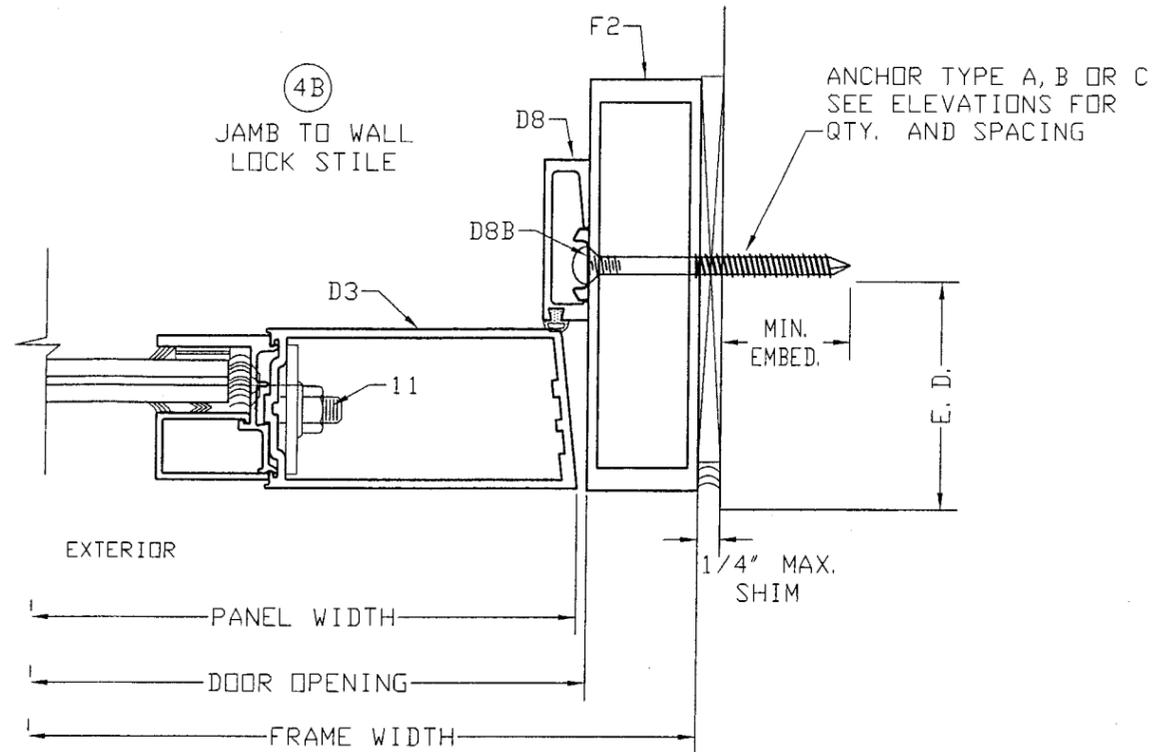
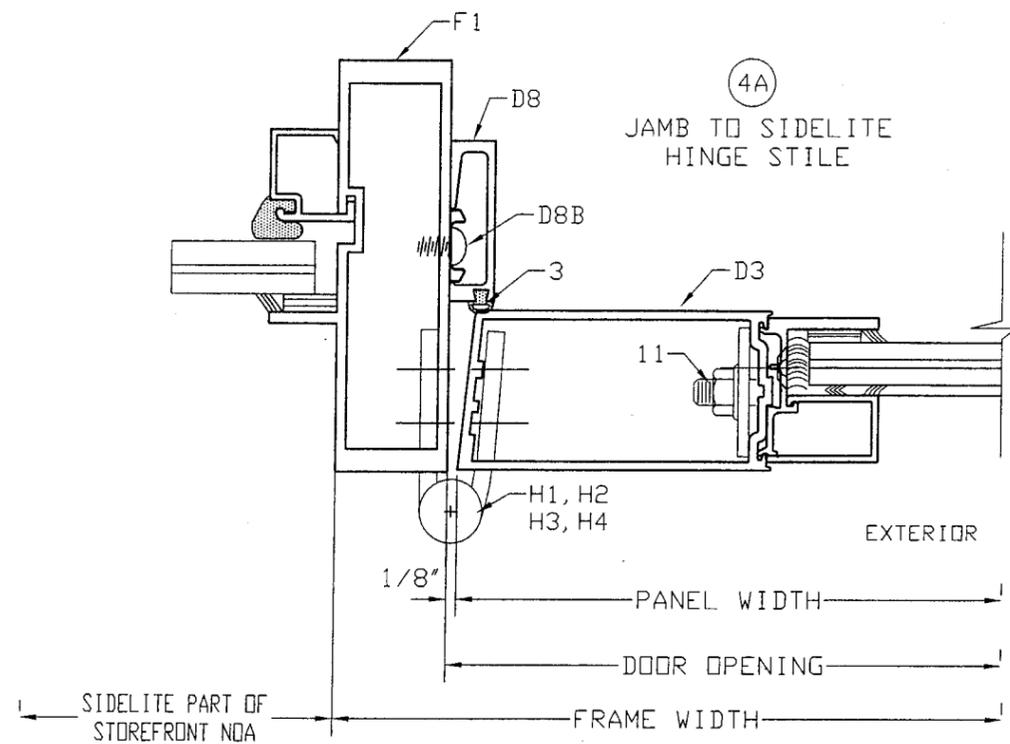
By *Marcus Pera*
 Miami Dade Product Control
 Division

Date: 12/06/08
 Scale: NA
 Design by: PPMF

Drawing Number
08-234

SHEET
6 of 12

DOOR HORIZONTAL SECTIONS DETAILS



MANUFACTURER:



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Engineering:

EngCo Inc.

CA 8116
6971 W. Sunrise Blvd. 104
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[Signature]

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Engineer Seal
Pedro De Figueiredo
PE 52609

DRAFTING:

PK DRAFTING & MORE

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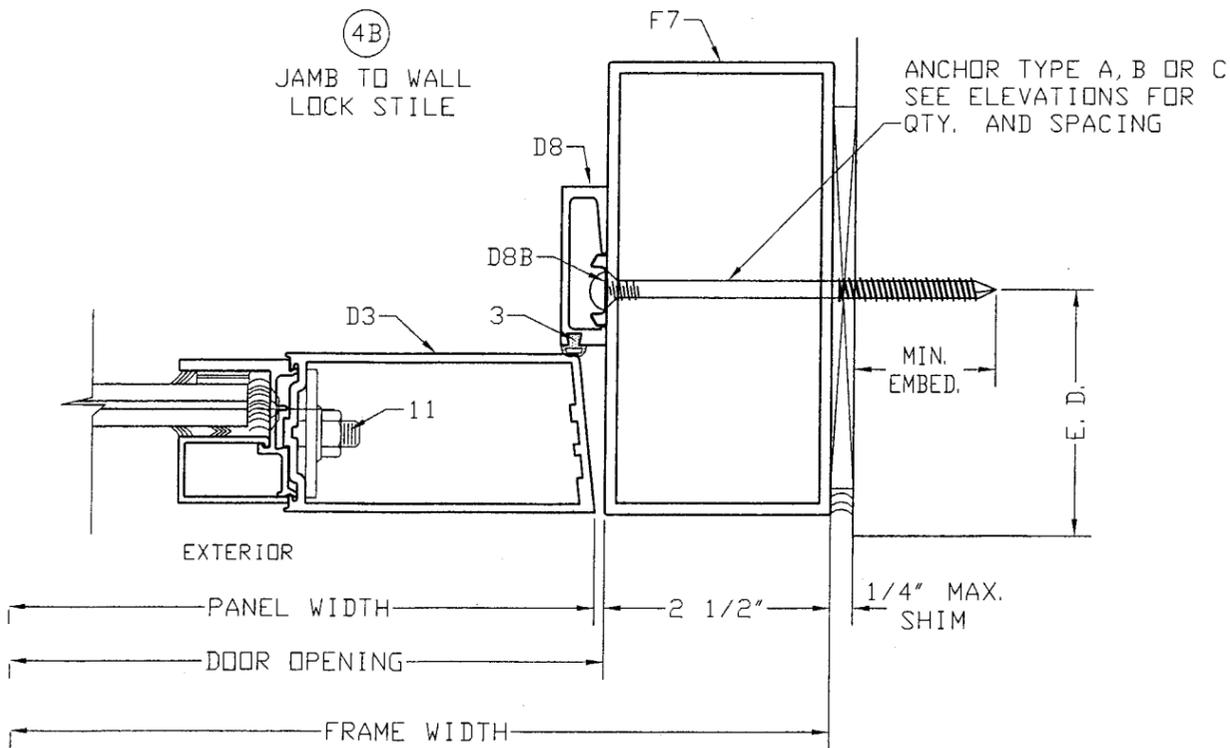
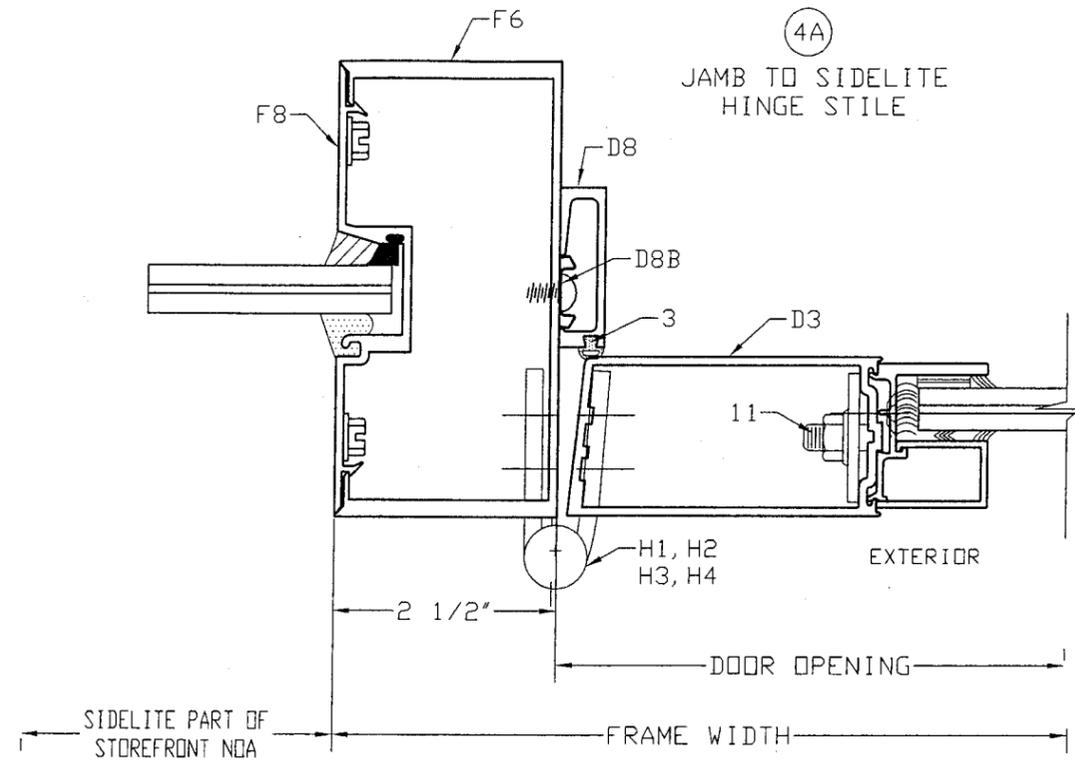
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By *[Signature]*
Miami Dade Product Control
Division

Date: 12/06/08
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Design by: PPMF

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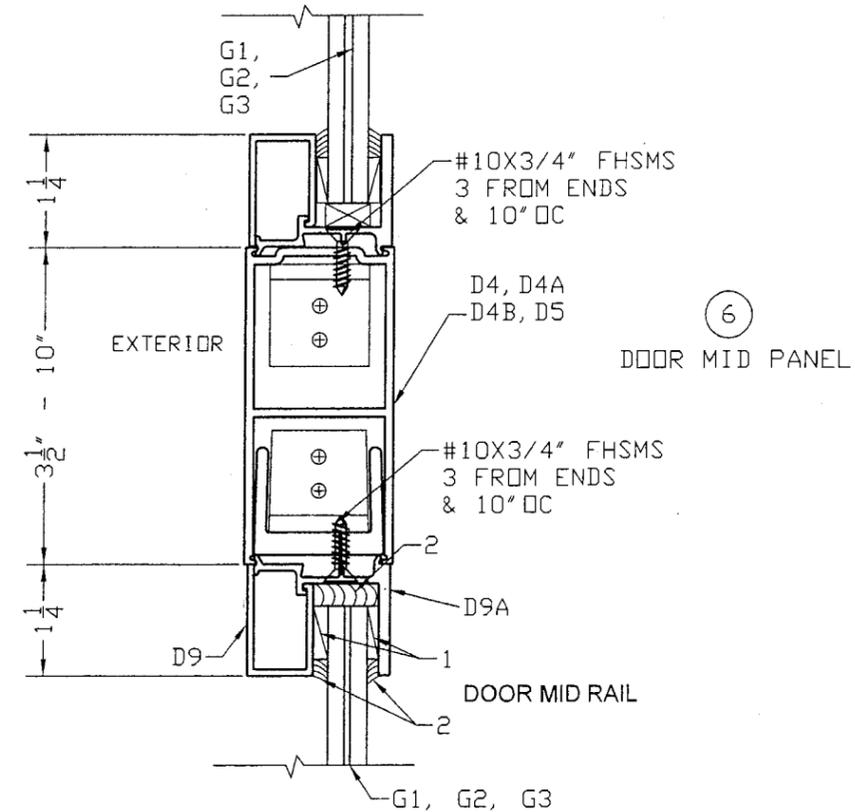
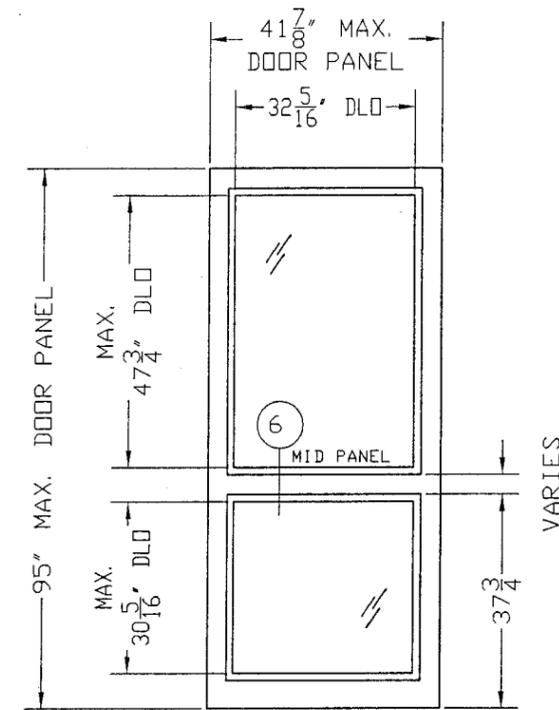
SHEET
7 of 12

DOOR HORIZONTAL SECTIONS DETAILS
WITH 2-1/2" FRAMING



DOOR MID PANEL

MID PANEL CAN BE USED
ON ACTIVE AND INACTIVE
DOOR PANELS



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ENGCO@AOL.COM

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Engineer Seal
Pedro De Figueiredo
PE 52609

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By *Manuel Pina*
Miami Dade Product Control
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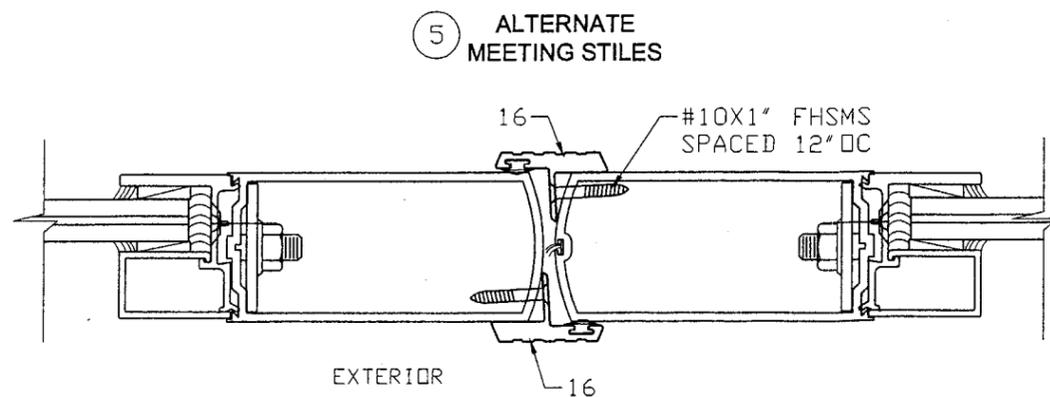
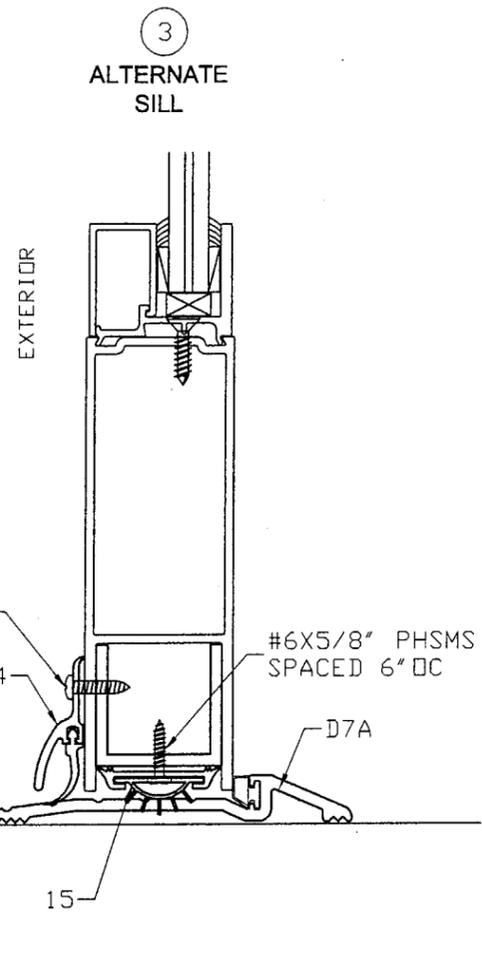
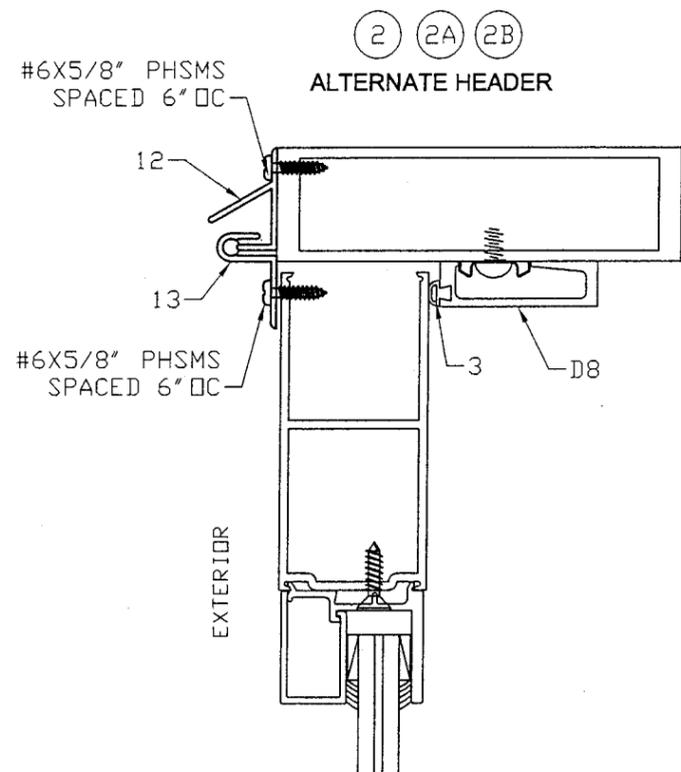
Date: 12/06/08
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08-234

SHEET
8 of 12

DOOR SECTIONS DETAILS
 MEETING THE WATER INFILTRATION
 REQUIREMENTS AS PER TABLE 4, SHEET 2
 MAX. PRESSURE ± 70 PSF

COMPONENTS REQUIRED TO BE ADDED
 IN ORDER TO MEET WATER RESISTANCE:
 12, 13, 14, 15, 16 AND D7A



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[Handwritten signature]

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Engineer Seal
 Pedro De Figueiredo
 PE 52609

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MIAMI-DADE BCCO:

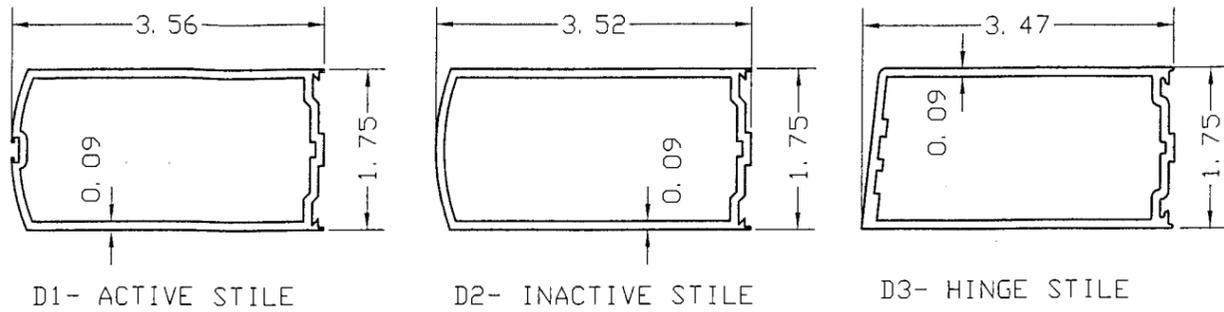
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 08-234

SHEET
 9 of 12

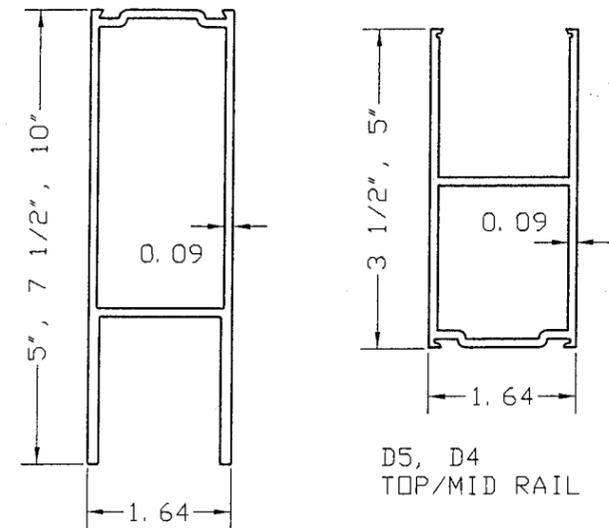
DOOR COMPONENTS



D1- ACTIVE STILE

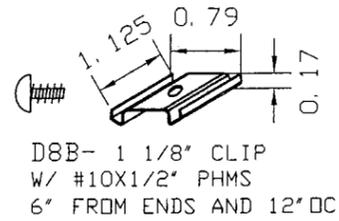
D2- INACTIVE STILE

D3- HINGE STILE

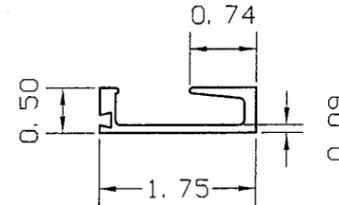


D5, D4
TOP/MID RAIL

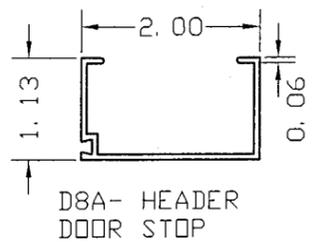
D4, D4A, D4B
BOTTOM RAIL/
MID RAIL



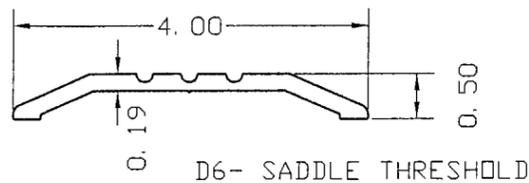
D8B- 1 1/8" CLIP
W/ #10X1/2" PHMS
6" FROM ENDS AND 12" OC



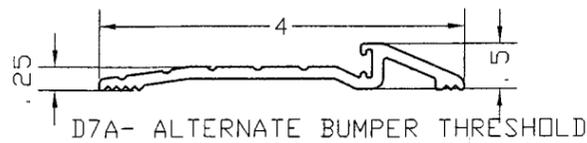
D8- STD. DOOR STOP



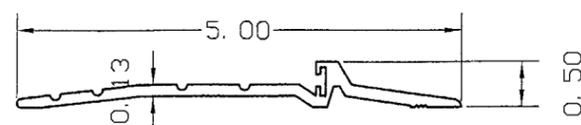
D8A- HEADER
DOOR STOP



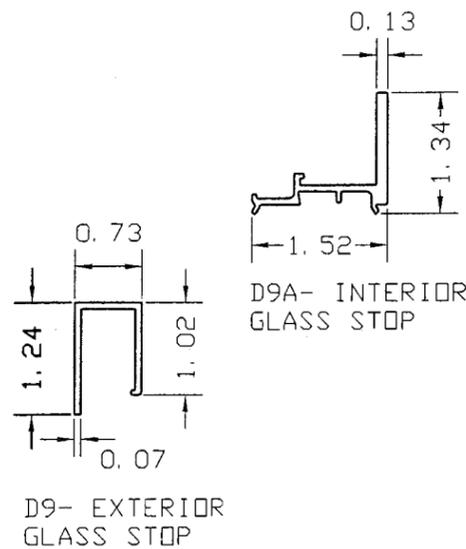
D6- SADDLE THRESHOLD



D7A- ALTERNATE BUMPER THRESHOLD

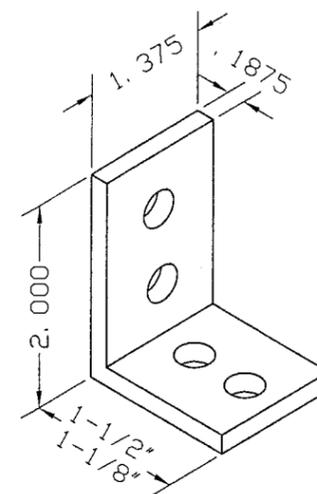


D7- BUMPER THRESHOLD

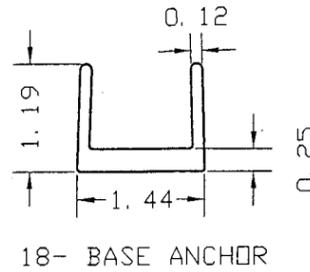


D9A- INTERIOR
GLASS STOP

D9- EXTERIOR
GLASS STOP



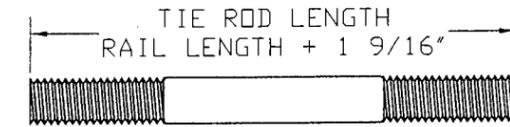
17- ALUMINUM ANGLE



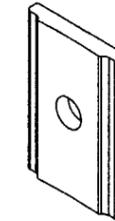
18- BASE ANCHOR



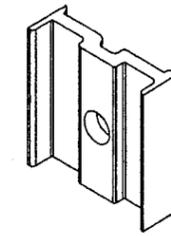
TIE ROD NUT



11 TIE ROD AND NUT- ALUMINUM ANGLE

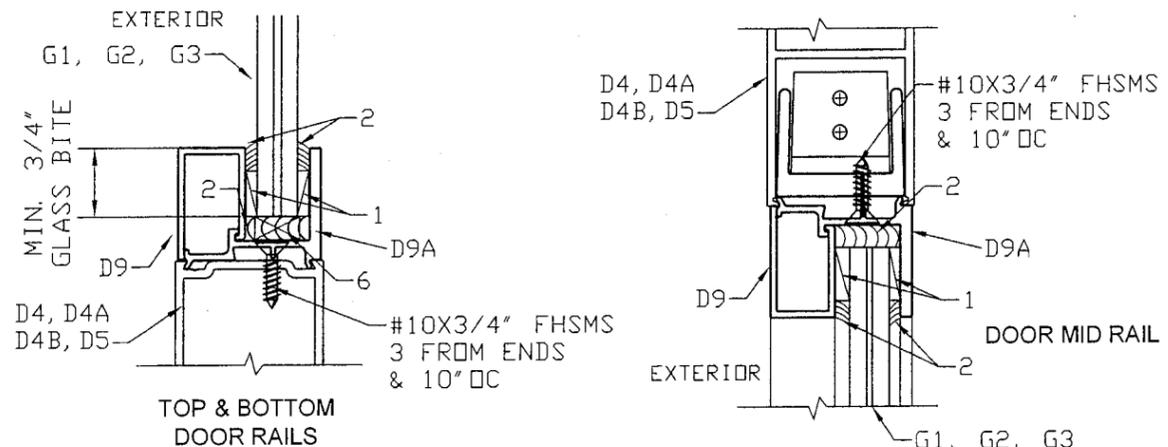


19- EXTERIOR TIE ROD
REINFORCED PLATE



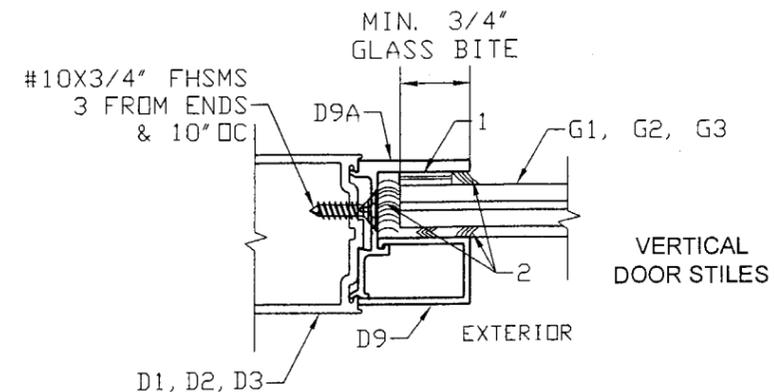
20- INTERIOR TIE ROD
REINFORCED PLATE

DOOR GLAZING DETAILS



TOP & BOTTOM
DOOR RAILS

DOOR MID RAIL



VERTICAL
DOOR STILES

MANUFACTURER:



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Engineering:

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CA 8116
6971 W. Sunrise Blvd. 104
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DEC 12 2008

Engineer Seal
Pedro De Figueiredo
PE 52609

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MIAMI-DADE BCCO:

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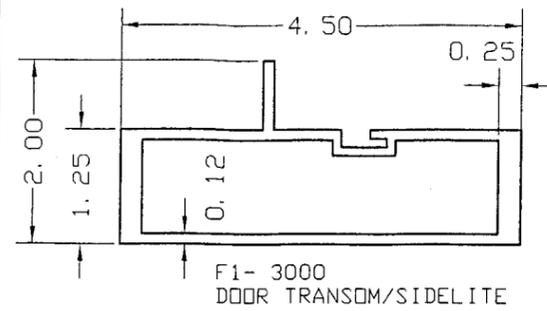
By *M. S. S. S.*
Miami-Dade Product Control
Division

Date: 12/06/08
Scale: NA
Design by: PPMF

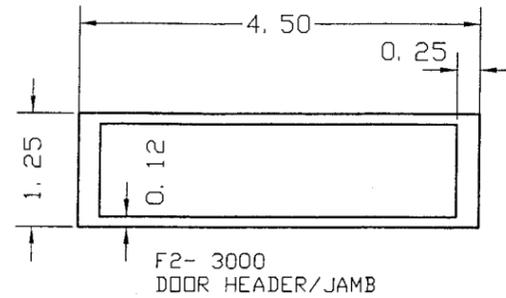
Drawing Number
08-234

SHEET
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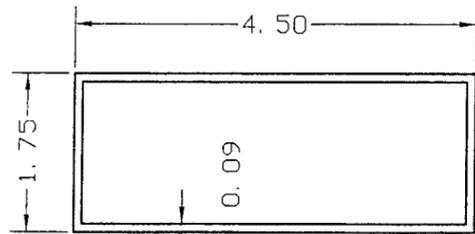
FRAMING COMPONENTS
3000 SERIES



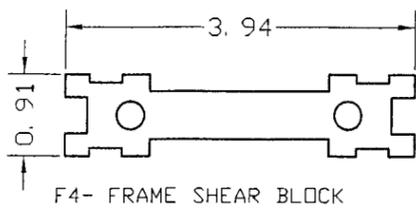
F1- 3000
DOOR TRANSOM/SIDELITE



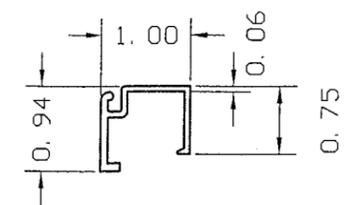
F2- 3000
DOOR HEADER/JAMB



F3- 1012
DOOR TRANSOM/HEADER
APPLICABLE FOR OVERHEAD
CONCEALED CLOSER

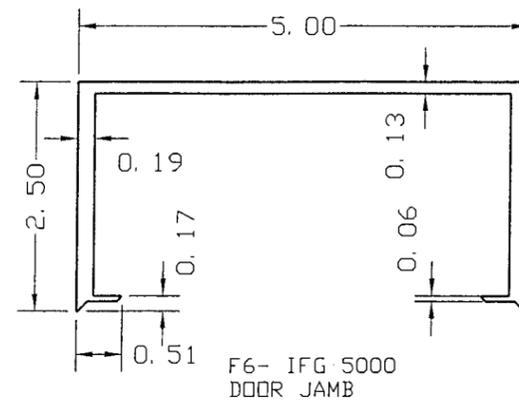


F4- FRAME SHEAR BLOCK

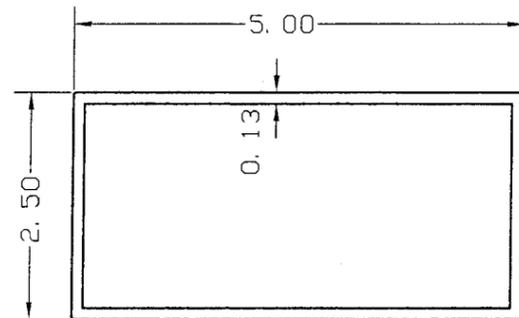


F5- GLASS STOP
DOOR HEADER/SIDELITE

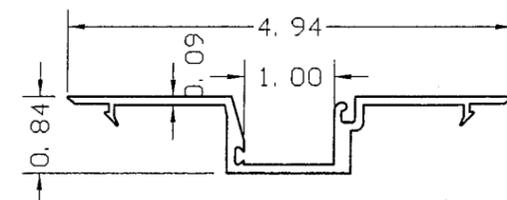
FRAMING COMPONENTS
IFG 5000 SERIES



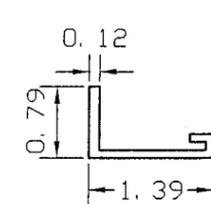
F6- IFG 5000
DOOR JAMB



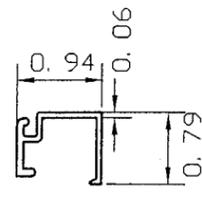
F7- IFG 5000
DOOR HEADER/TRANSOM



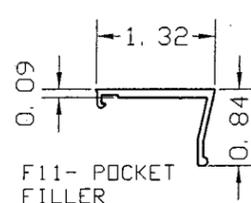
F8- IFG 5000
SIDE LITE FILLER



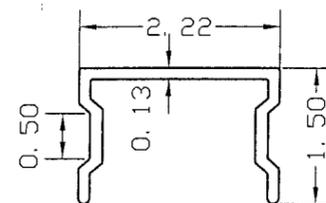
F9- TRANSOM
GLASS STOP



F10- TRANSOM
GLASS STOP

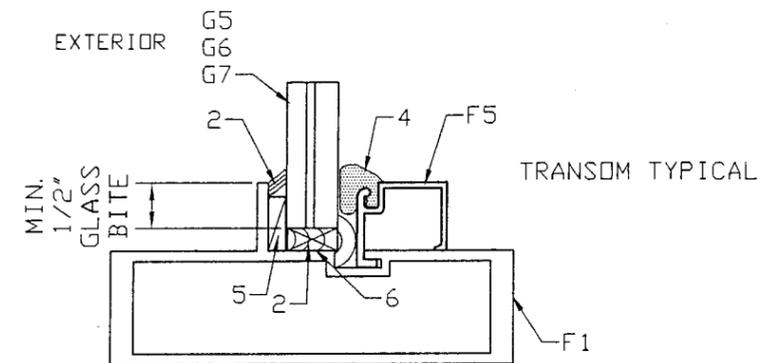
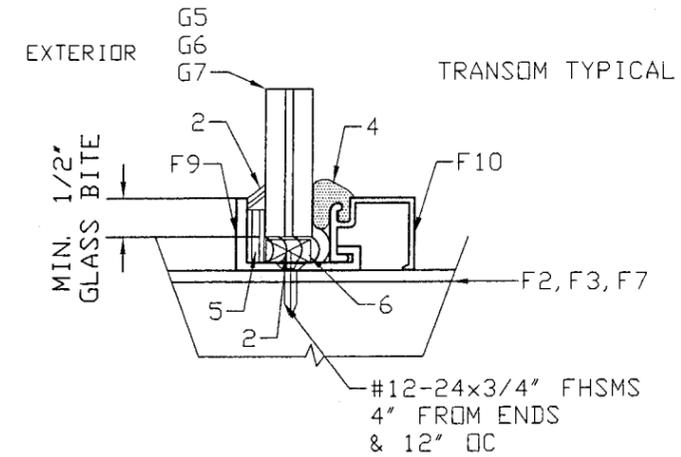


F11- POCKET
FILLER

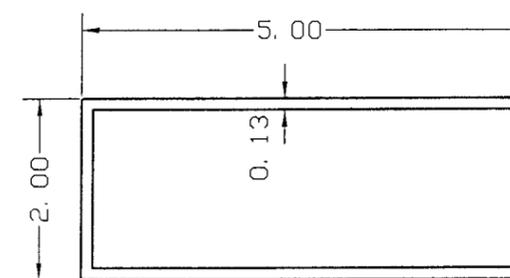


F12- SHEAR BLOCK

FRAMING GLAZING DETAILS



FRAMING COMPONENTS
COMMON TO 3000 OR IFG 5000 SERIES



F13- 50513
OPTIONAL DOOR HEADER/JAMBS

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Engineer Seal
Pedro De Figueiredo
PE 52609

DRAFTING:

PK DRAFTING & MORE

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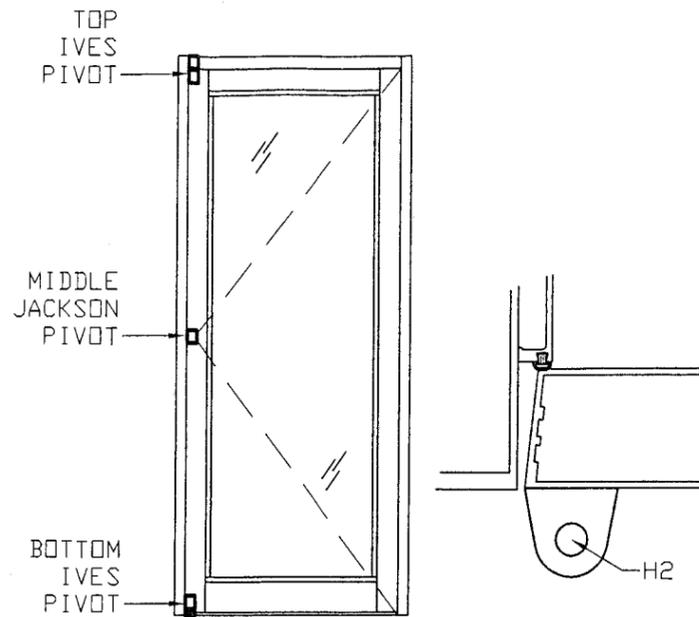
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Expiration Date 03/17/2010
By *Muhammad Faraz*
Miami Dade Product Control
Division

Date: 12/06/08
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Design by: PPMF

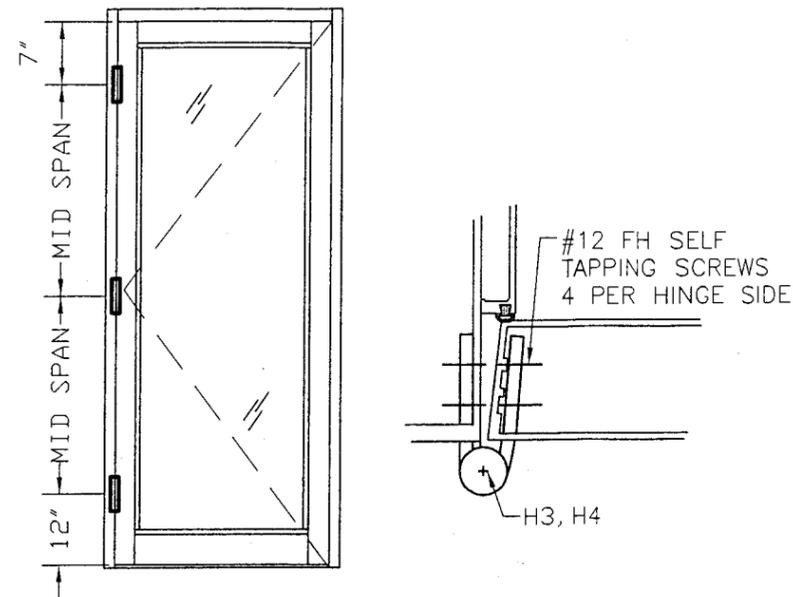
Drawing Number
08-234

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11 of 12

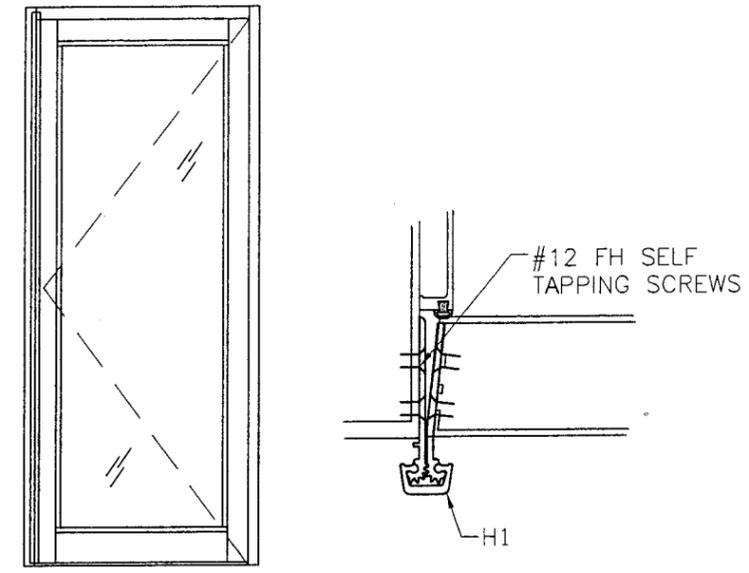
HINGE OPTIONS



THREE DOOR PIVOTS LOCATED AT TOP, BOTTOM AND MID SPAN

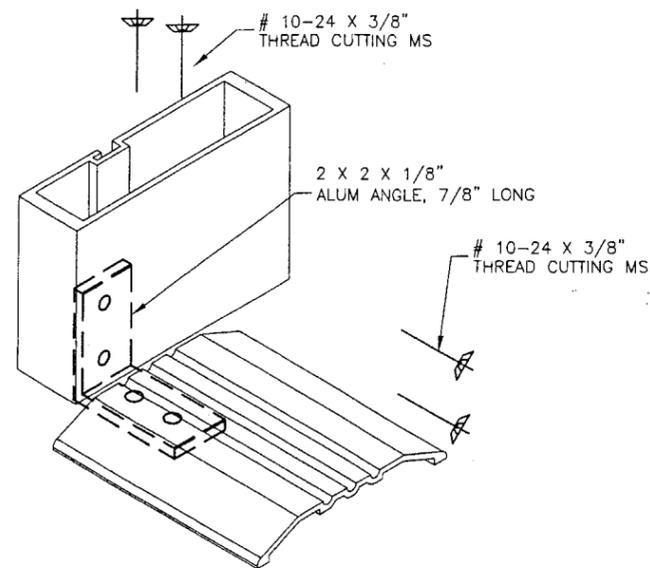


THREE HINGES LOCATED 7" FROM CL TO TOP OF DOOR, 12" FROM CL TO BOTTOM OF DOOR AND ONE AT MID SPAN

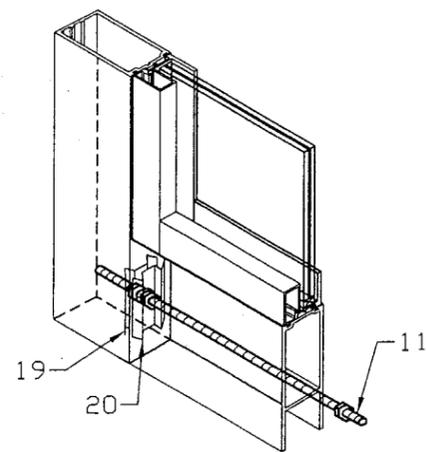


CONTINUOUS ALUMINUM ROTON HINGE FASTENED TO FRAME AND DOOR STILE WITH:
(27) TOTAL SCREWS ON 8' DOORS
(25) TOTAL SCREWS ON 7' DOORS

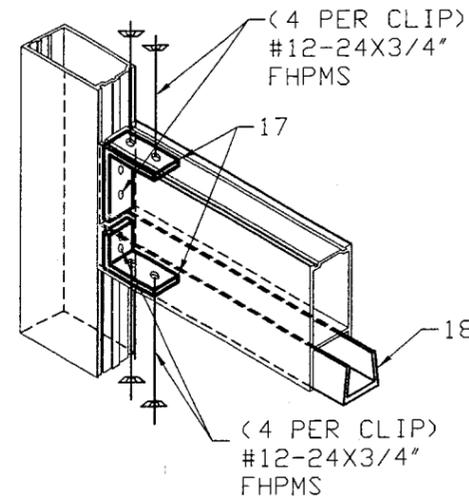
CORNER ASSEMBLY



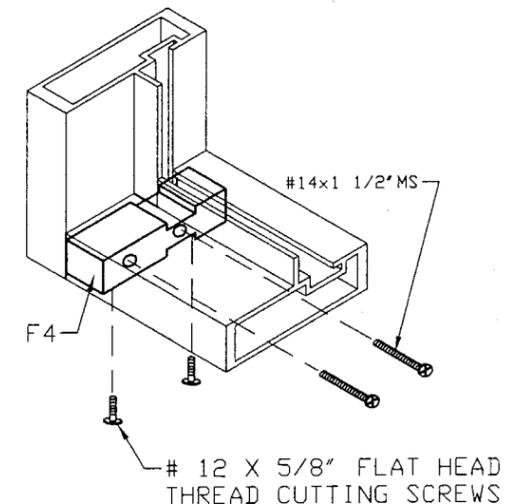
THRESHOLD CORNER



DOOR LEAF CORNER



MID PANEL CORNER



FRAME CORNER

MANUFACTURER:



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12 of 12