



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) 375-2901 FAX (305) 375-2908

**NOTICE OF ACCEPTANCE (NOA)**

[www.buildingcodeonline.com](http://www.buildingcodeonline.com)

Arch Aluminum & Glass Co., Inc.  
10200 NW 67<sup>th</sup> 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: Aluminum Outswing Doors Line- L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **04-200R1**, titled "Aluminum Impact Door Line Outswing Doors", sheets 1 through 8 of 8, prepared by the EngCo Inc., dated 08/17/05, 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**

**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 # **04-1208.01** 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 **Herminio F. Gonzalez, P.E., Director, BCCO**



NOA No 05-0829.08  
Expiration Date: March 17, 2010  
Approval Date: January 05, 2006  
Page 1

Arch Aluminum & Glass Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **04-200R1**, titled "Aluminum Impact Door Line", sheets 1 through 8 of 8, prepared by the EngCo Inc., dated 09/13/04, signed and sealed by Pedro De Figueiredo, 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
  - 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 202-94along 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"**
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) 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 202-94along 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 Calculations, ASTM- E 1300, and structural analysis, prepared by EngCo Inc., dated 09/22/04, signed and sealed by Humayoun Farooq, P.E.  
**"Submitted Under NOA# 04-1208.01"**  
Complies with ASTM E1300-98

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **01-0205.02** issued to Solutia Inc., Inc. for "Saflex/ Keepsafe Maximum", dated 05/17/01 and expiring on 05/21/06.

  
\_\_\_\_\_  
Herminio F. Gonzalez, P.E.  
Director, Building Code Compliance Office  
NOA No 05-0829.08

Expiration Date: March 17, 2010  
Approval Date: January 05, 2006

Arch Aluminum & Glass Co., Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

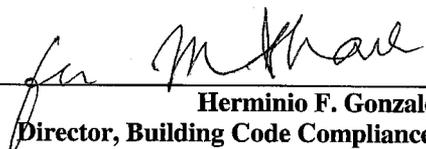
2. Notice of Acceptance No. **03-0421.01** issued to Solutia Inc., Inc. for "Saflex HP", dated 05/22/03 and expiring on 08/14/08.
3. Notice of Acceptance No. **01-1204.01** issued to E.I. DuPont DeNemours, Inc. for "Sentry Glass ® Plus", dated 01/17/02 and expiring on 01/14/07.

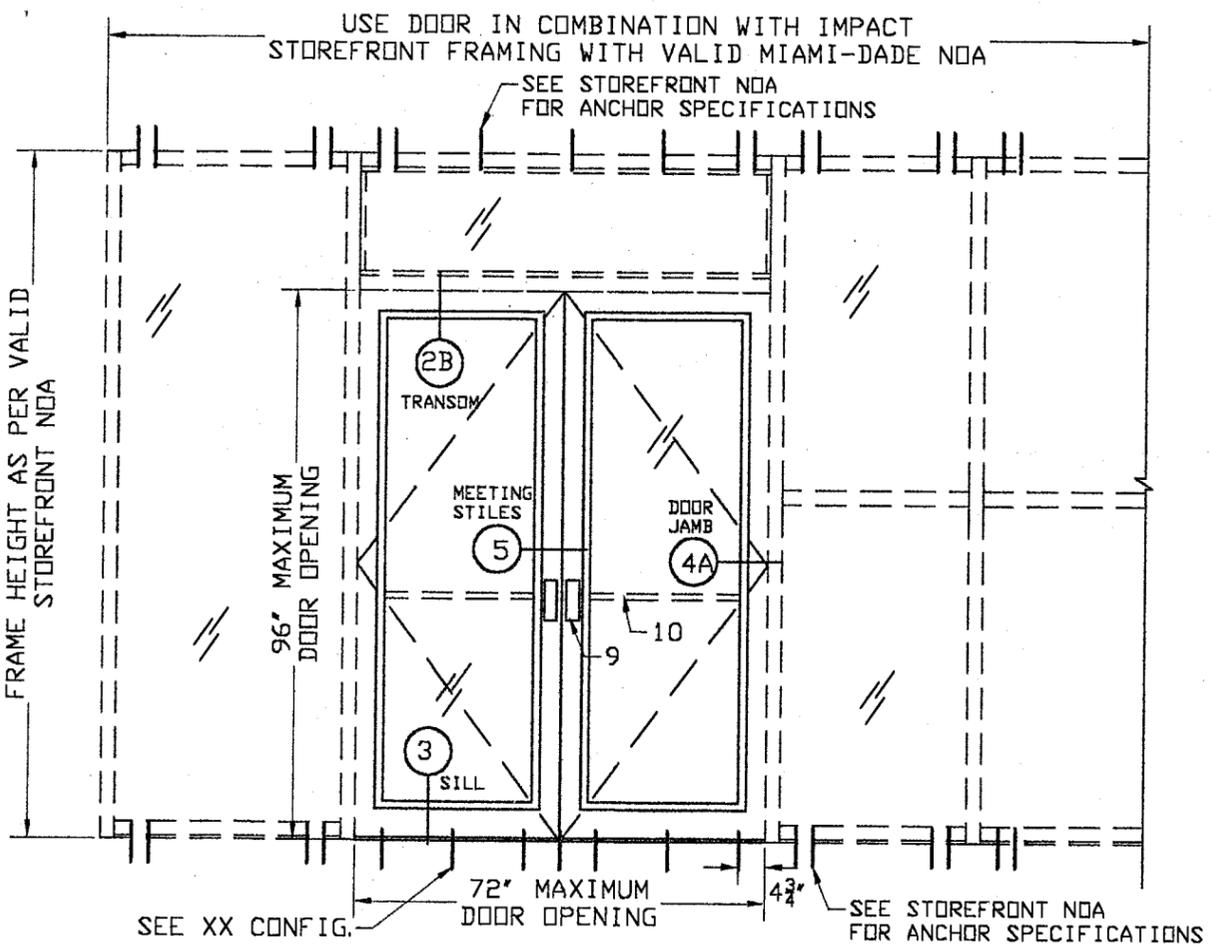
**F. STATEMENTS**

1. Statement letter of code compliance and no financial interest, dated October 10, 2004 signed and sealed by Pedro De Figueiredo, P.E.  
*"Submitted Under NOA# 04-1208.01"*

**G. OTHER**

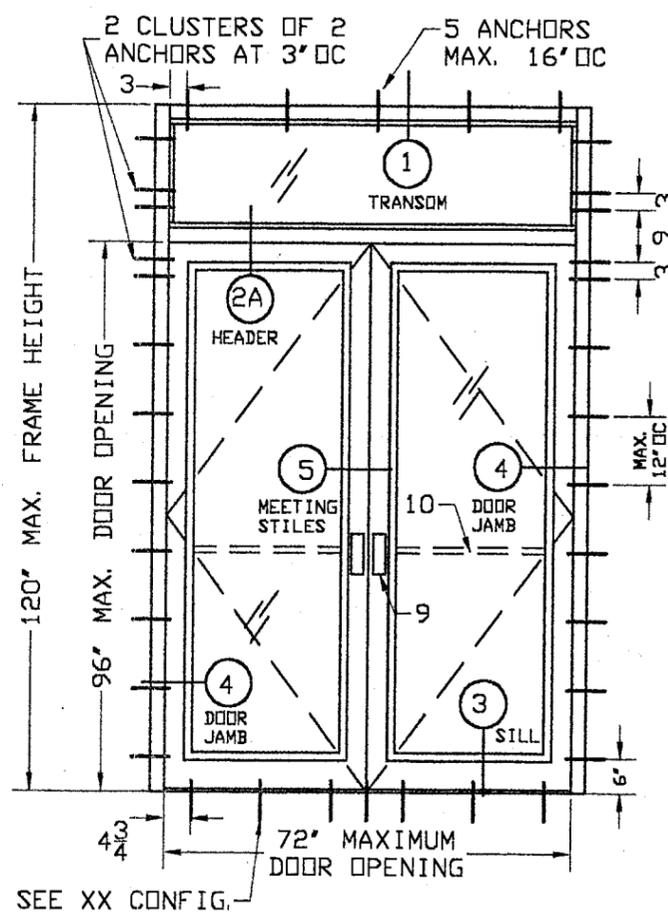
1. Letter from consultant, dated 11/22/05, stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. **04-1208.01**, issued to Arch Aluminum & Glass Co., Inc. for their "Aluminum Outswing Doors Line- Impact", approved on 03/17/00 and expiring on 03/17/05.

  
\_\_\_\_\_  
**Herminio F. Gonzalez, P.E.**  
**Director, Building Code Compliance Office**  
NOA No 05-0829.08  
Expiration Date: March 17, 2010  
Approval Date: January 05, 2006

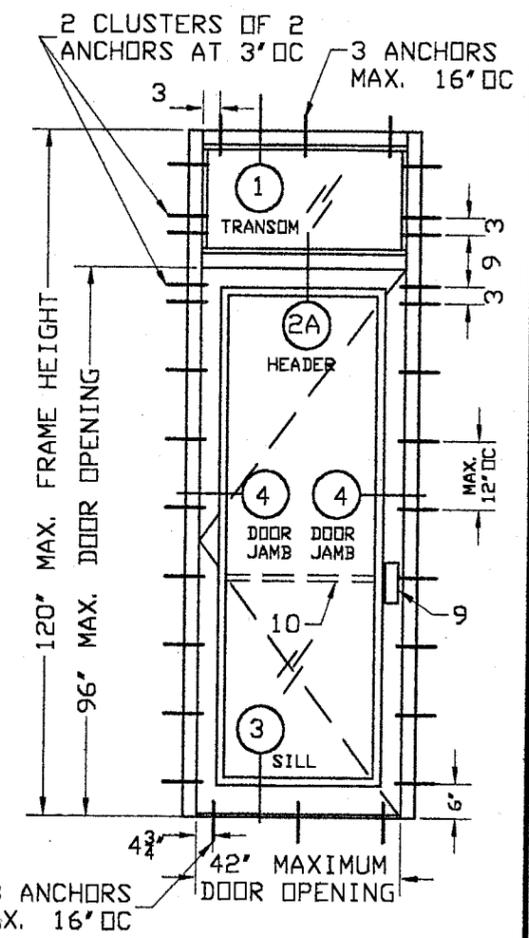


XX OR X DOOR IN COMBINATION WITH AN APPROVED STOREFRONT FRAMING

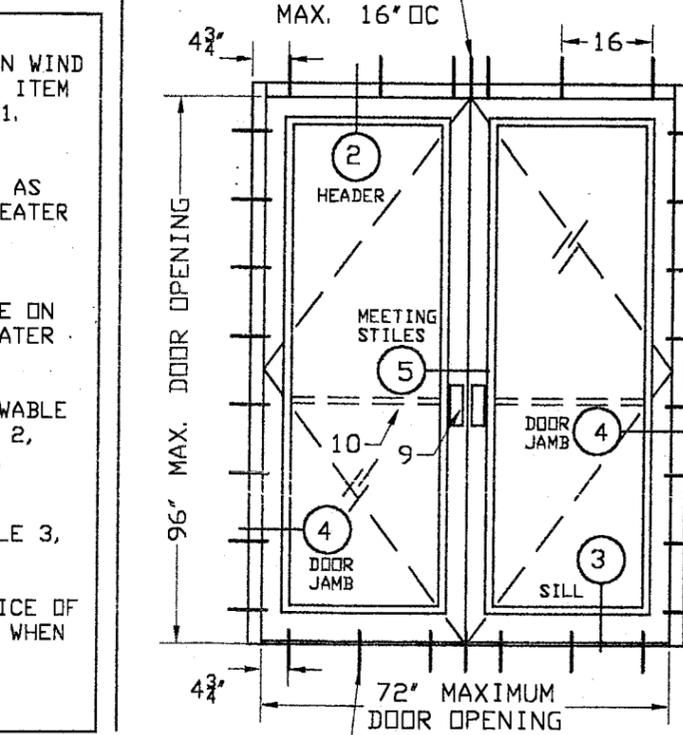
**TYPICAL ELEVATIONS**



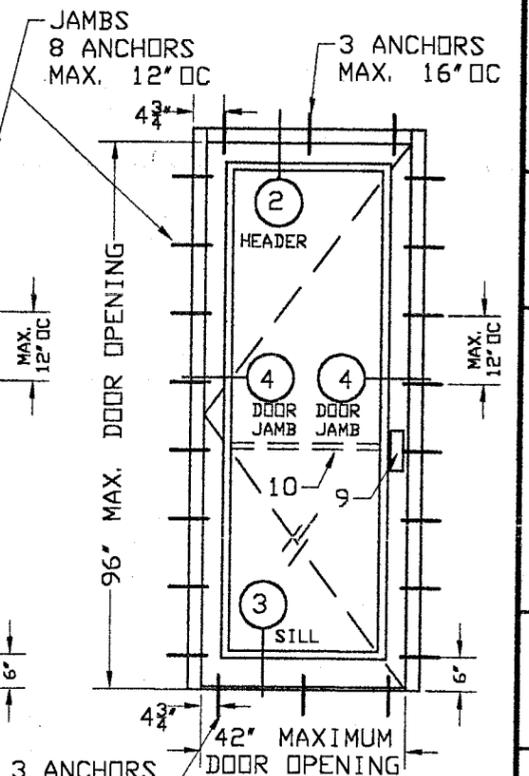
XX/O OR X/O - PAIR OR SINGLE DOOR WITH TRANSOM



5 ANCHORS TYPE B & C  
7 ANCHORS TYPE A  
MAX. 16' OC



6 ANCHORS TYPE B & C  
7 ANCHORS TYPE A  
MAX. 12 1/2' OC



3 ANCHORS  
MAX. 16' OC

XX OR X - PAIR OR SINGLE DOOR

**GENERAL NOTES:**

- 1- CODE: THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 EDITION - (INCLUDING HIGH VELOCITY SECTION)
- 2- DEFINITION: THIS PRODUCT IS AN ALUMINUM OUTSWING DOOR WITH LARGE MISSILE IMPACT RESISTANT LAMINATED GLASS.
- 3- POSTING:  
"ALUMINUM IMPACT DOOR LINE  
ARCH ALUMINUM & GLASS CO., INC.  
TAMARAC - BROWARD COUNTY - FL  
DADE COUNTY PRODUCT CONTROL APPROVED"
- 4- DESIGN LOADS: LOADS MUST BE CALCULATED 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 1.33 INCREASE FOR WIND LOAD DURATION HAVE BEEN USED.

**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.

**MANUFACTURER:**  
**Arch Aluminum & Glass Co. Inc.**  
10200 NW 67TH STREET  
TAMARAC - FL - 33321  
TEL: (800) 432-8132  
FAX: (954) 724-9293

**PRODUCT:**  
**Aluminum Impact Door Line**  
OUTSWING DOORS

**Engineering:**  
**EngCo Inc.**  
CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, FL 33313  
Tel.: (954) 585-0304  
Fax: (954) 585-0305

*A*  
**AUG 17 2005**  
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 08/17/05  
Scale: NA  
Design by: PPMF

**PRODUCT CONTROL DIVISION:**  
**PRODUCT REVISED**  
in compliance with the Florida Building Code  
Approval No. 05-0829.08  
Expiration Date 03/31/10  
*[Signature]*  
Miami Dade Product Control Division

Drawing Number  
**04-200R1**

Sheet  
**1 of 8**

**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-KEEPSAFE MAX. INTERLAYER | ±80                      |
| G4    | 7/16" LAMINATED W/ (2) 3/16" HS GLASS LITES WITH 0.09 MONSANTO PVB INTERLAYER         | ±70                      |

**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-KEEPSAFE MAX. 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 AS PER SHEET 8.

**BILL OF MATERIALS**

MISCELLANEOUS DOOR COMPONENTS:

| ITEM# | PART # | DESCRIPTION              | MATERIAL | SUPPLIER/REMARKS |
|-------|--------|--------------------------|----------|------------------|
| 1     | V2104  | TAPE 1/2x1/8             | -        | NORTON           |
| 2     | 995    | GLAZING SEALANT          | SILICONE | DDW 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            |

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

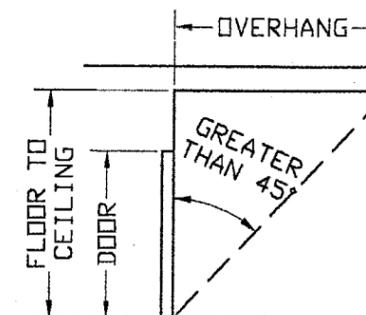
FRAMING & DOOR PARTS (MANUFACTURED BY ARCH ALUMINUM)

| 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    |
| D1    | AGA150 | ACTIVE STILE               | 6063-T5    |
| D2    | AGA155 | INACTIVE STILE             | 6063-T5    |
| D3    | AGA73  | HINGE STILE                | 6063-T5    |
| D4    | AGA152 | 5" BOTTOM/TOP 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 RAIL            | 6063-T5    |
| D6    | 1040   | 4" X 1/2" SADDLE THRESHOLD | 6063-T5    |
| D7    | 2005A  | 5" X 1/2" BUMPER THRESHOLD | 6063-T5    |
| D7A   | 1042   | 4" X 1/2" 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"



MANUFACTURER:  
Arch Aluminum & Glass Co. Inc.  
10200 NW 67TH STREET  
TAMARAC - FL - 33321  
TEL: (800) 432-8132  
FAX: (954) 724-9293

PRODUCT:  
Aluminum Impact Door Line

OUTSWING DOORS

Engineering:  
EngCo Inc.

CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, Fl. 33313  
Tel.: (954) 585-0304  
Fax: (954) 585-0305

AUG 17 2005

Engineer Seal  
Pedro De Figueiredo  
PE 52609

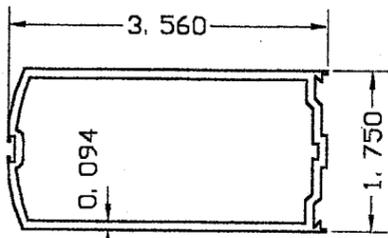
Date: 08/17/05  
Scale: NA  
Design by: PPMF

PRODUCT CONTROL DIVISION:  
PRODUCT REVISED  
as complying with the Florida Building Code  
Acceptance No 05-0829.08  
Expiration Date 03/17/10  
By: [Signature]  
Miami Data Product Control Division

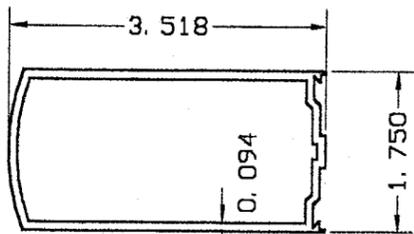
Drawing Number  
04-200R1

Sheet  
2 of 8

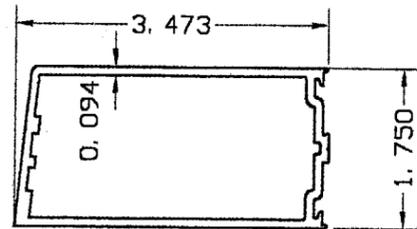
**DOOR COMPONENTS**



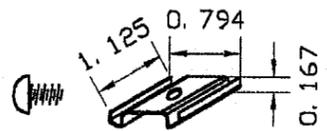
D1- ACTIVE STILE



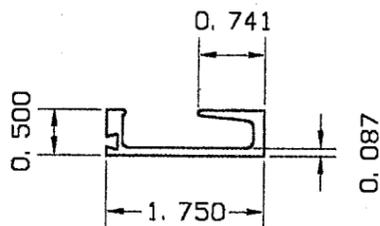
D2- INACTIVE STILE



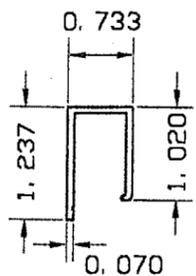
D3- HINGE STILE



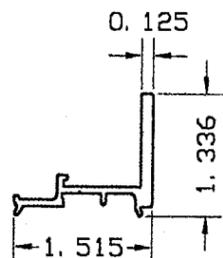
DBB- 1 1/8' CLIP W/ #10X1/2' PHMS  
6" FROM ENDS AND 12" OC



D8- STD. DOOR STOP

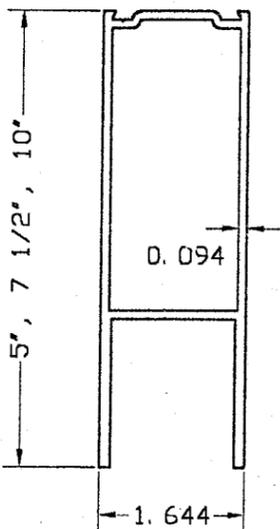


D9- EXTERIOR  
GLASS STOP

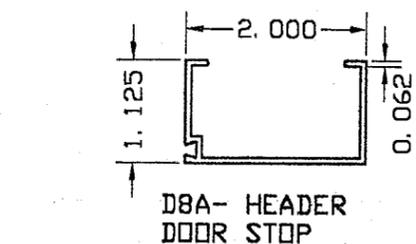
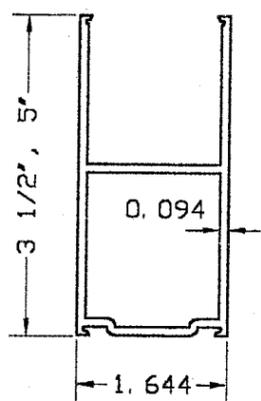


D9A- INTERIOR  
GLASS STOP

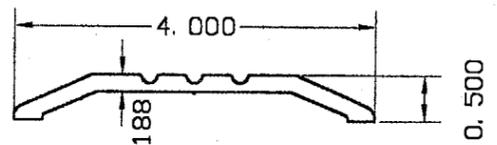
D4, D4A, D4B  
BOTTOM RAIL



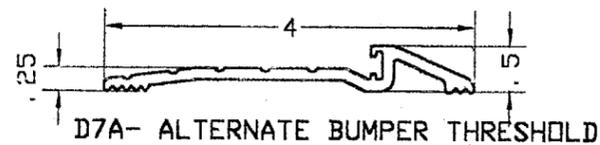
D5, D4  
TOP RAIL



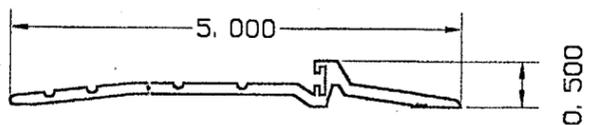
D8A- HEADER  
DOOR STOP



D6- SADDLE THRESHOLD

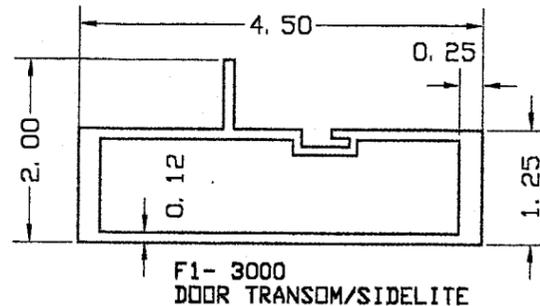


D7A- ALTERNATE BUMPER THRESHOLD

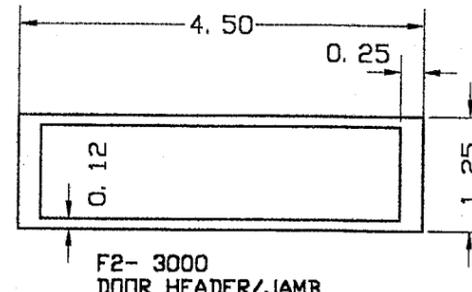


D7- BUMPER THRESHOLD

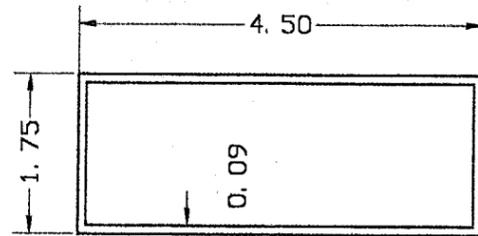
**FRAMING COMPONENTS  
3000 SERIES**



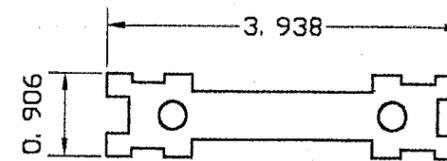
F1- 3000  
DOOR TRANSOM/SIDELITE



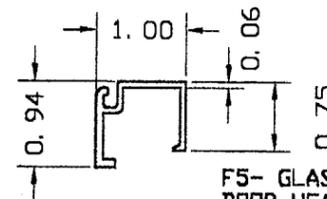
F2- 3000  
DOOR HEADER/JAMB



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

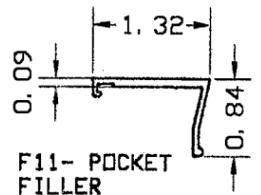


F4- FRAME SHEAR BLOCK

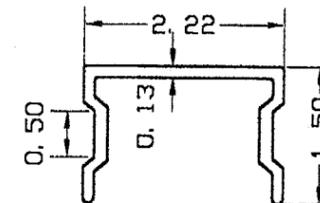


F5- GLASS STOP  
DOOR HEADER/SIDELITE

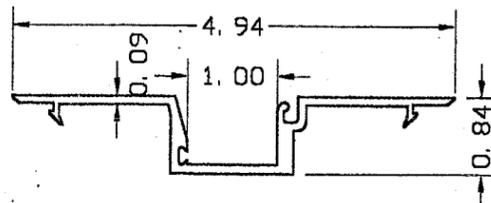
**FRAMING COMPONENTS  
IFG 5000 SERIES**



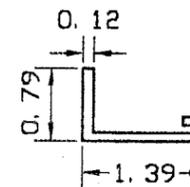
F11- POCKET  
FILLER



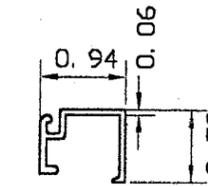
F12- SHEAR BLOCK



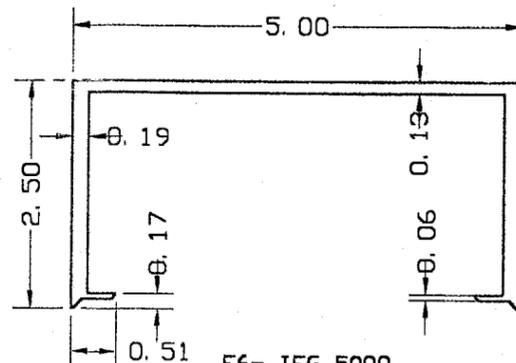
F8- IFG 5000  
SIDE LITE FILLER



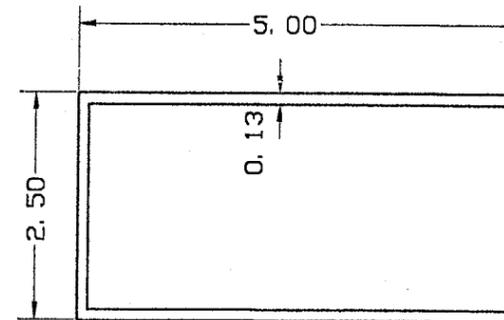
F9- TRANSOM  
GLASS STOP



F10- TRANSOM  
GLASS STOP



F6- IFG 5000  
DOOR JAMB



F7- IFG 5000  
DOOR HEADER/TRANSOM

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PRODUCT:  
**Aluminum  
Impact Door  
Line**  
OUTSWING DOORS

Engineering:  
**EngCo Inc.**

CA 8116  
6971 W. Sunrise Blvd. 104  
Plantation, FL 33313  
Tel.: (954) 585-0304  
Fax: (954) 585-0305

*[Signature]*  
**AUG 17 2005**  
Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 08/17/05  
Scale: NA  
Design by: PPMF

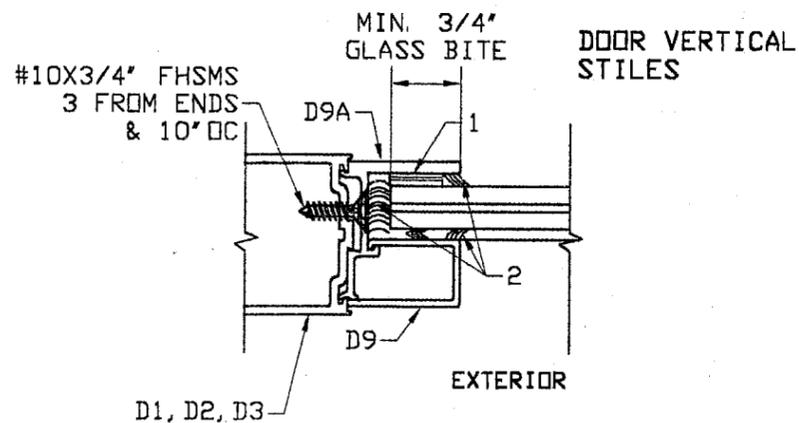
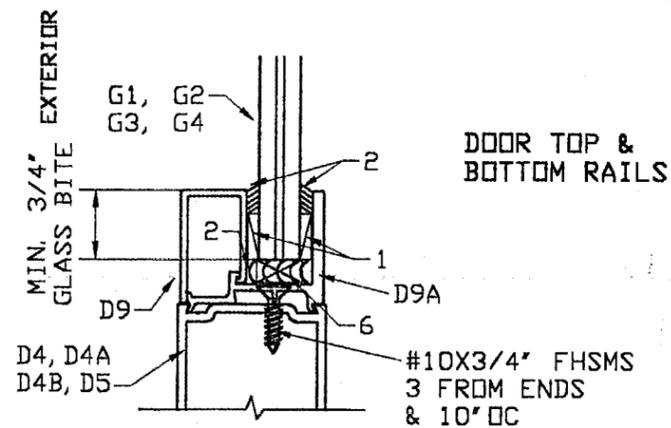
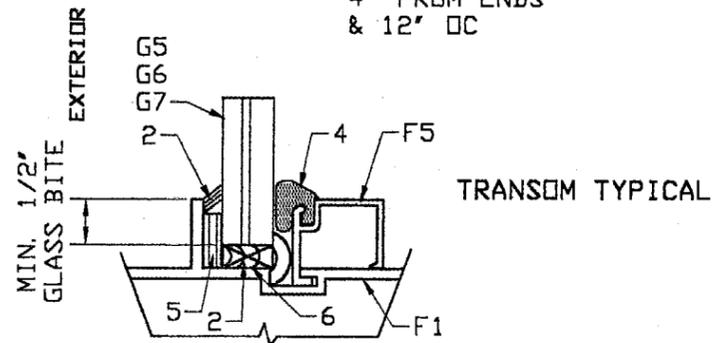
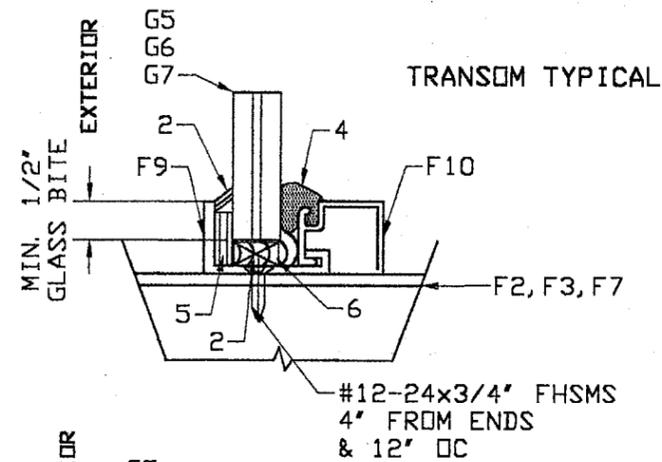
PRODUCT CONTROL DIVISION:

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Building Code  
Acceptance No 05-0829.08  
Expiration Date 03/17/10  
*[Signature]*  
Miami Date Product Control  
Division

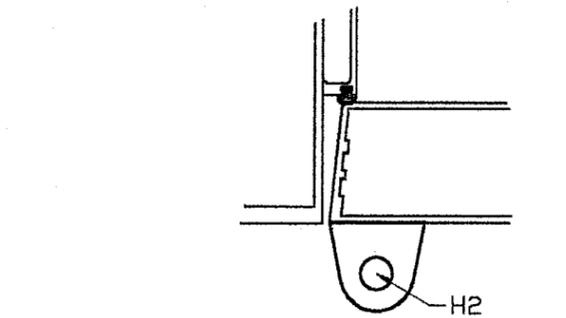
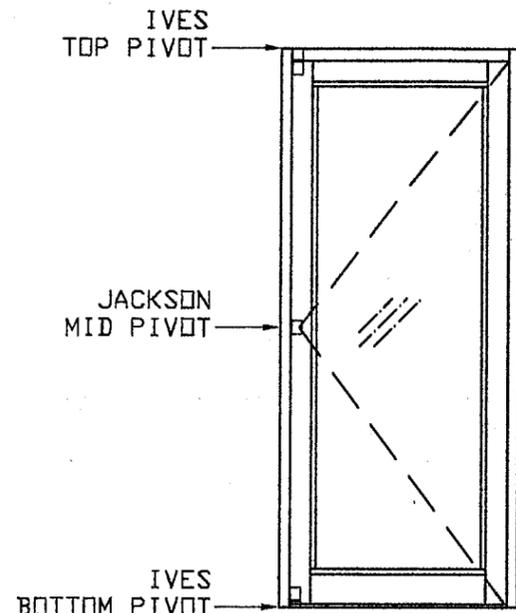
Drawing Number  
**04-200R1**

Sheet  
**3 of 8**

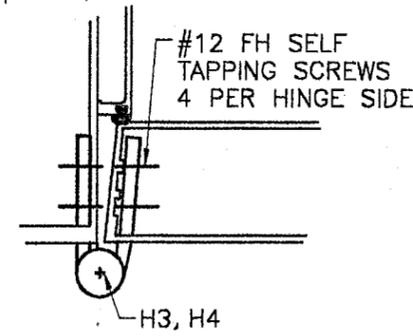
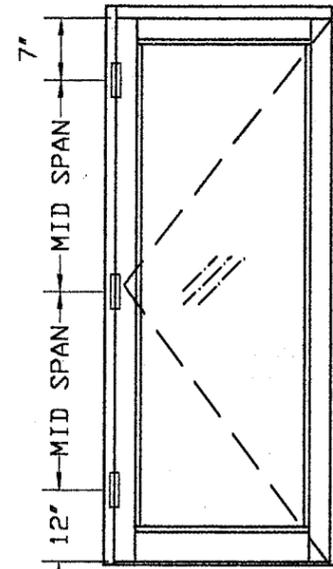
**GLAZING DETAILS**



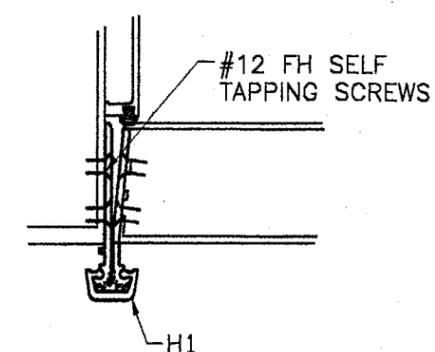
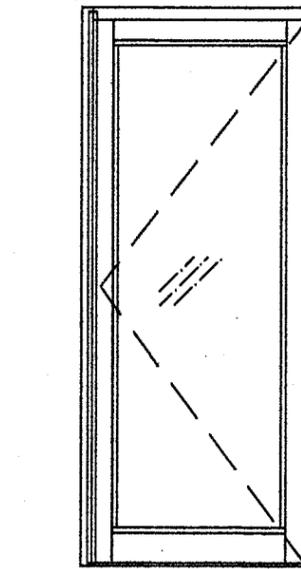
**HINGE OPTIONS**



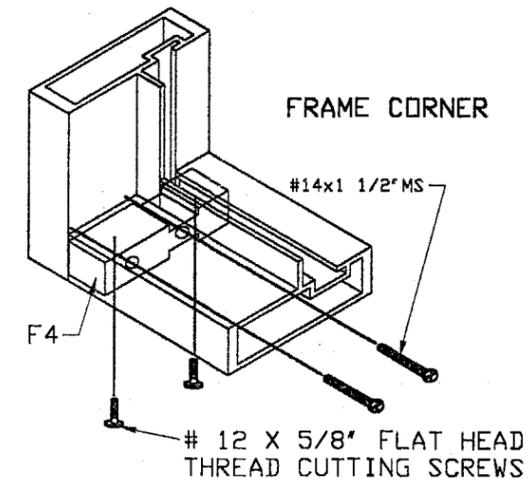
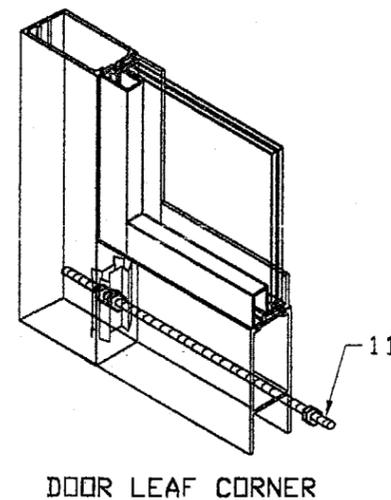
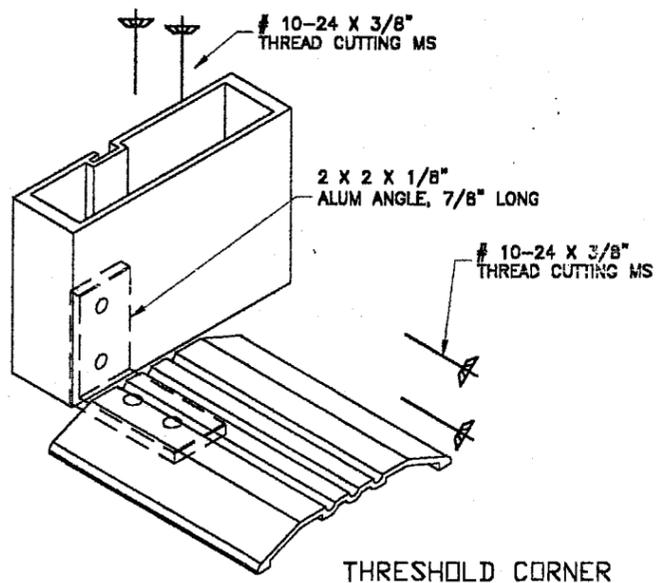
THREE DOOR PIVOTS LOCATED AT TOP, BOTTOM AND MID SPAN



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



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PRODUCT:  
**Aluminum Impact Door Line**  
OUTSWING DOORS

Engineering:  
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Plantation, Fl. 33313  
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*[Signature]*  
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Engineer Seal  
Pedro De Figueiredo  
PE 52609

Date: 08/17/05  
Scale: NA  
Design by: PPMF

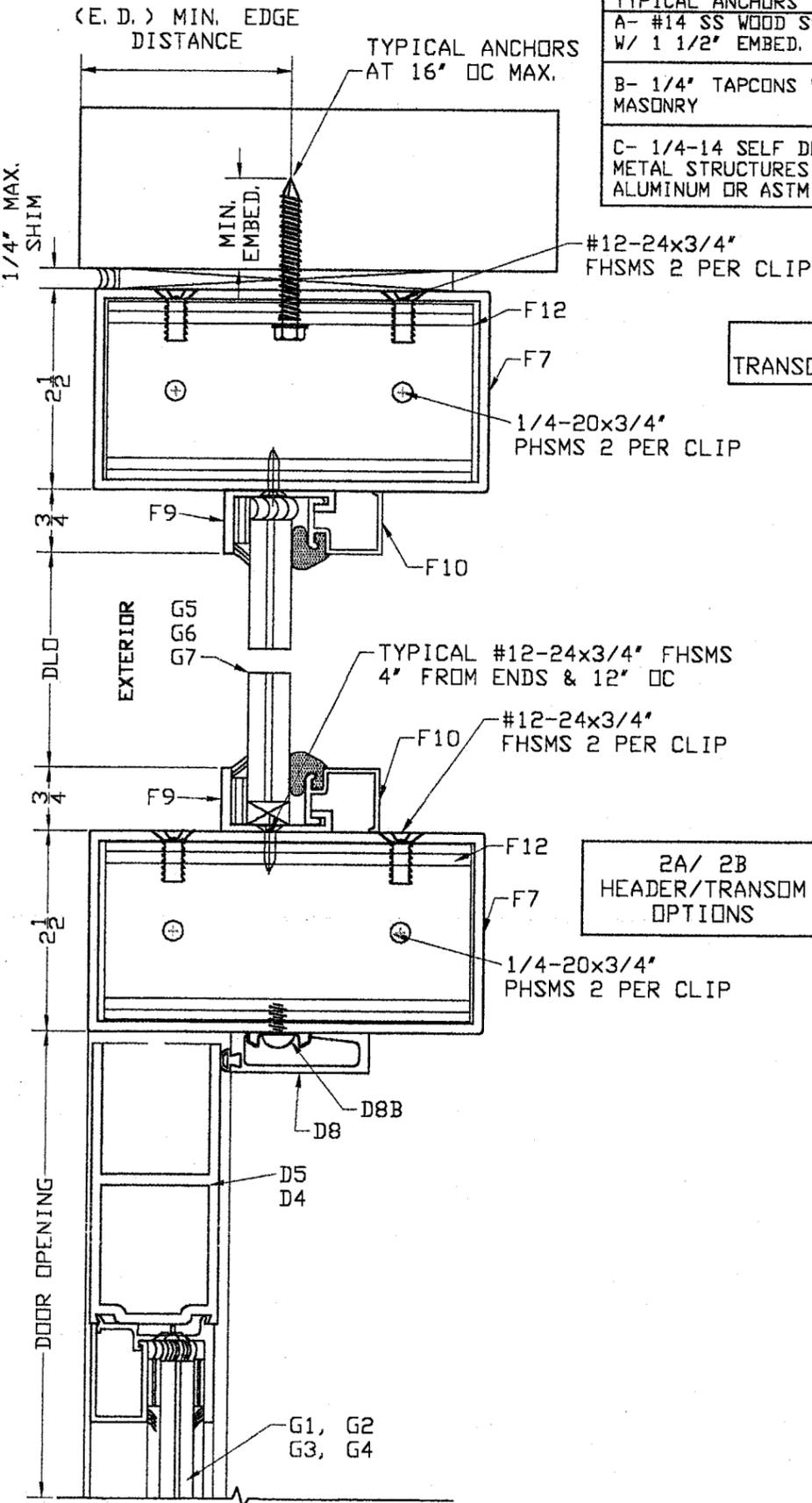
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**04-200R1**

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E, D. = 1" FOR WOOD  
 E, D. = 3" FOR CONCRETE  
 E, D. = 3/4" FOR METAL

**TRANSOM DETAILS  
 W/ IFG 5000 FRAMING**

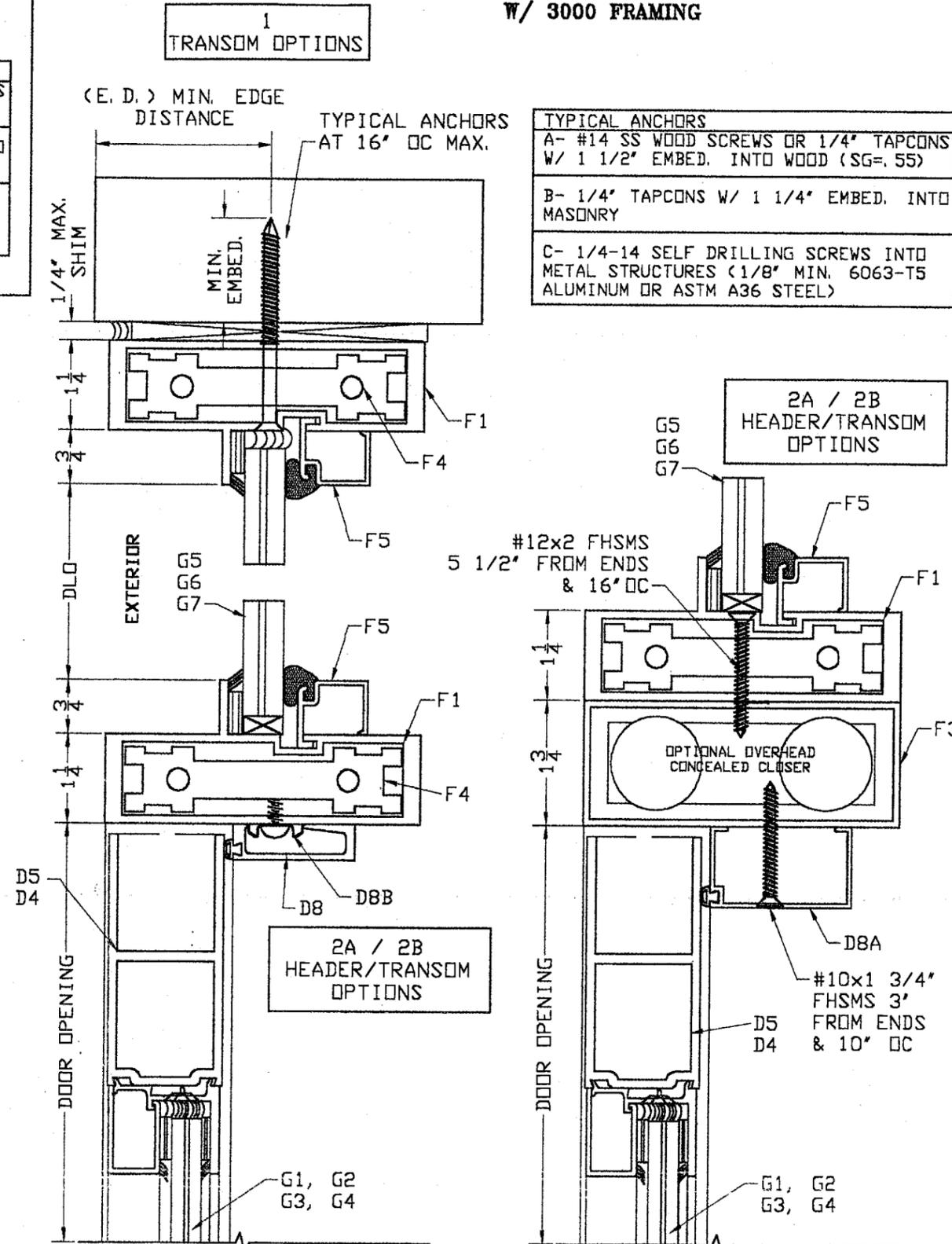


| TYPICAL ANCHORS |   |
|-----------------|---|
| A-              | #14 SS WOOD SCREWS OR 1/4" TAPCONS W/ 1 1/2" EMBED. INTO WOOD (SG=, 55)                           |
| B-              | 1/4" TAPCONS W/ 1 1/4" EMBED. INTO MASONRY  |
| C-              | 1/4"-14 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T5 ALUMINUM OR ASTM A36 STEEL) |

1  
TRANSOM OPTIONS

2A/ 2B  
HEADER/TRANSOM  
OPTIONS

**TRANSOM DETAILS  
 W/ 3000 FRAMING**



1  
TRANSOM OPTIONS

| TYPICAL ANCHORS |   |
|-----------------|---|
| A-              | #14 SS WOOD SCREWS OR 1/4" TAPCONS W/ 1 1/2" EMBED. INTO WOOD (SG=, 55)                           |
| B-              | 1/4" TAPCONS W/ 1 1/4" EMBED. INTO MASONRY  |
| C-              | 1/4"-14 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T5 ALUMINUM OR ASTM A36 STEEL) |

2A / 2B  
HEADER/TRANSOM  
OPTIONS

2A / 2B  
HEADER/TRANSOM  
OPTIONS

NOTES:  
 1- D8 DOOR STOP ANCHORED TO STEEL CLIPS D8B SPACED AT 4" OC.  
 2- STEEL CLIPS D8B ARE ANCHORED TO HEADER WITH ONE #10-24X1/2 PHMS

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*[Signature]*

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 Pedro De Figueiredo  
 PE 52609

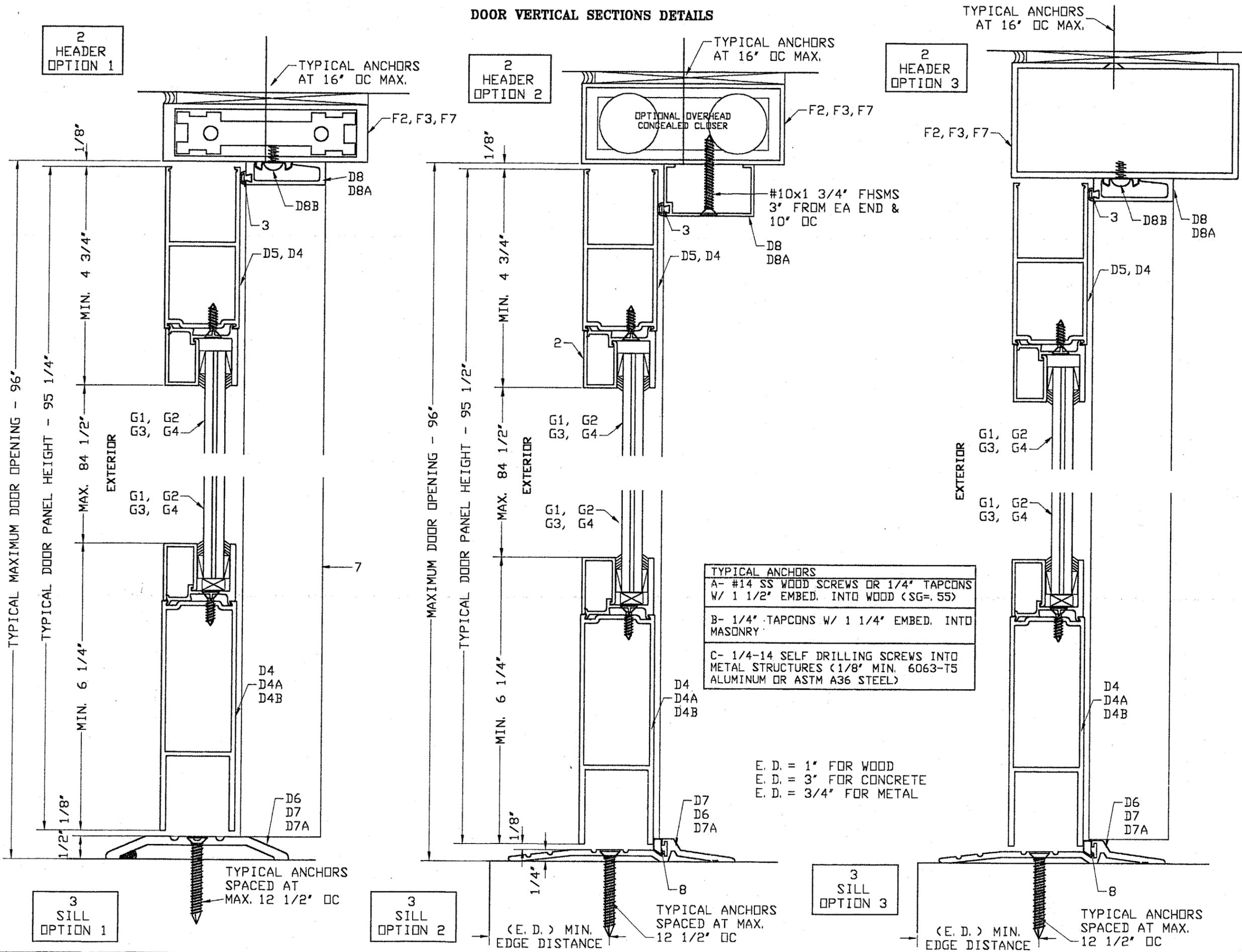
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 Design by: PPMF

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DOOR VERTICAL SECTIONS DETAILS



TYPICAL ANCHORS AT 16" OC MAX.

TYPICAL ANCHORS AT 16" OC MAX.

2 HEADER OPTION 3

2 HEADER OPTION 1

2 HEADER OPTION 2

OPTIONAL OVERHEAD CONCEALED CLOSER

F2, F3, F7

TYPICAL ANCHORS AT 16" OC MAX.

F2, F3, F7

#10x1 3/4" FHSMS 3" FROM EA END & 10" OC

D8 D8A

D8 D8A

| TYPICAL ANCHORS |   |
|-----------------|---|
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| B-              | 1/4" TAPCONS W/ 1 1/4" EMBED. INTO MASONRY  |
| C-              | 1/4"-14 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T5 ALUMINUM OR ASTM A36 STEEL) |

E. D. = 1" FOR WOOD  
E. D. = 3" FOR CONCRETE  
E. D. = 3/4" FOR METAL

1/8"

1/8"

F2, F3, F7

MIN. 4 3/4"

MIN. 4 3/4"

TYPICAL MAXIMUM DOOR OPENING - 96"

TYPICAL DOOR PANEL HEIGHT - 95 1/4"

MAXIMUM DOOR OPENING - 96"

TYPICAL DOOR PANEL HEIGHT - 95 1/2"

EXTERIOR

EXTERIOR

EXTERIOR

MIN. 6 1/4"

MIN. 6 1/4"

G1, G2, G3, G4

D4, D4A, D4B

D4, D4A, D4B

D4, D4A, D4B

D6, D7, D7A

D6, D7, D7A

D6, D7, D7A

TYPICAL ANCHORS SPACED AT MAX. 12 1/2" OC

TYPICAL ANCHORS SPACED AT MAX. 12 1/2" OC

TYPICAL ANCHORS SPACED AT MAX. 12 1/2" OC

3 SILL OPTION 1

3 SILL OPTION 2

3 SILL OPTION 3

(E. D.) MIN. EDGE DISTANCE

(E. D.) MIN. EDGE DISTANCE

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PE 52609

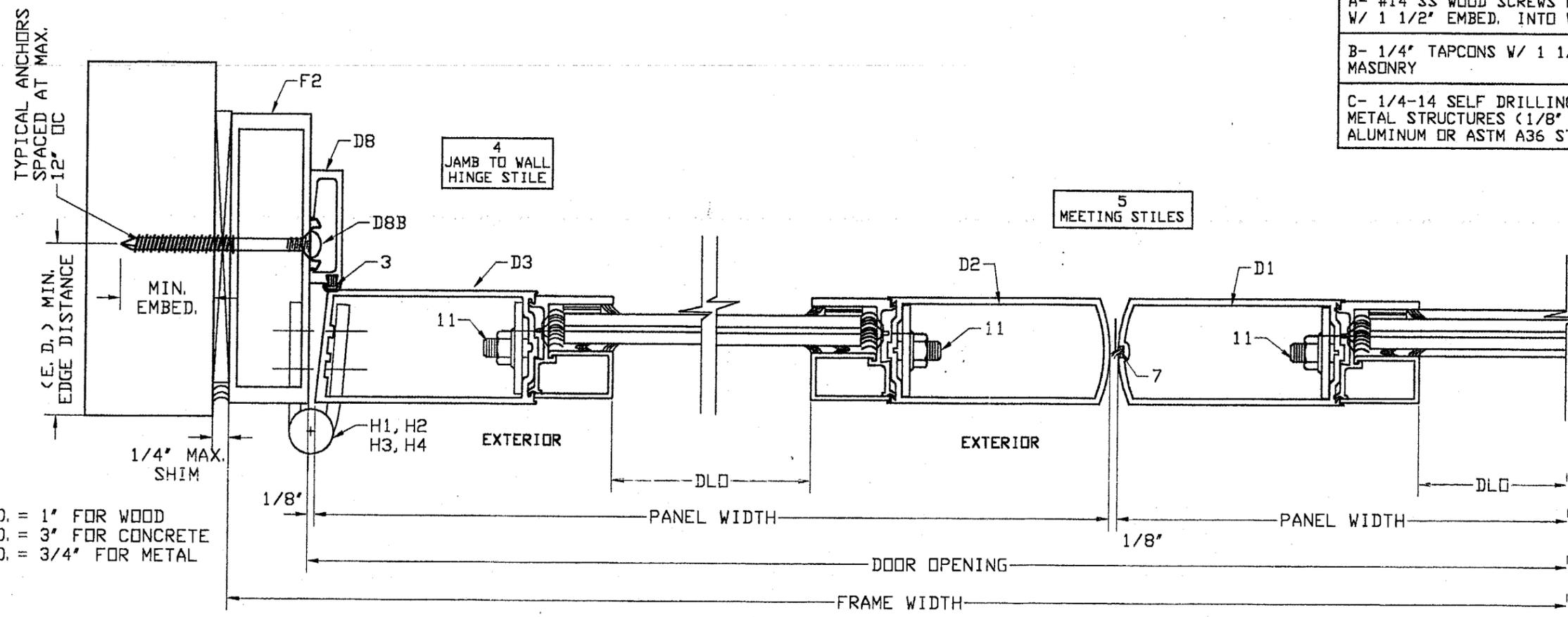
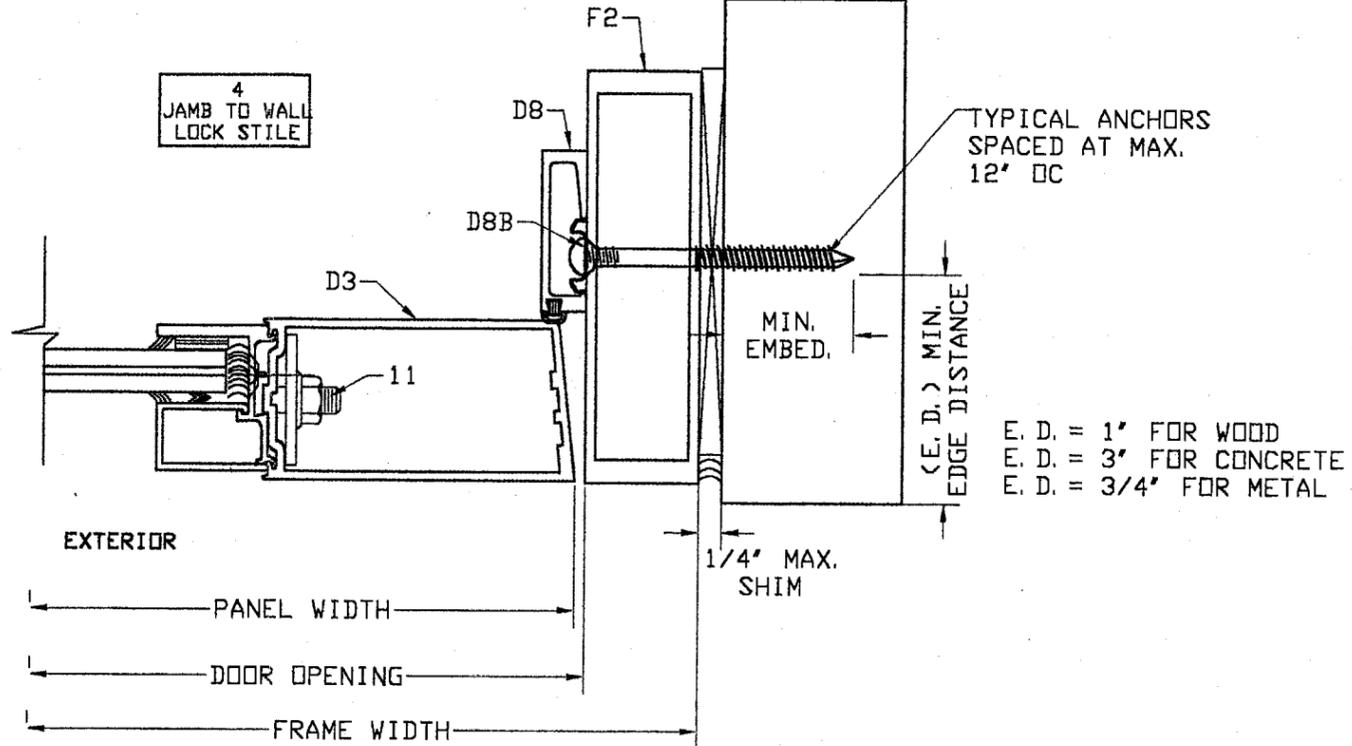
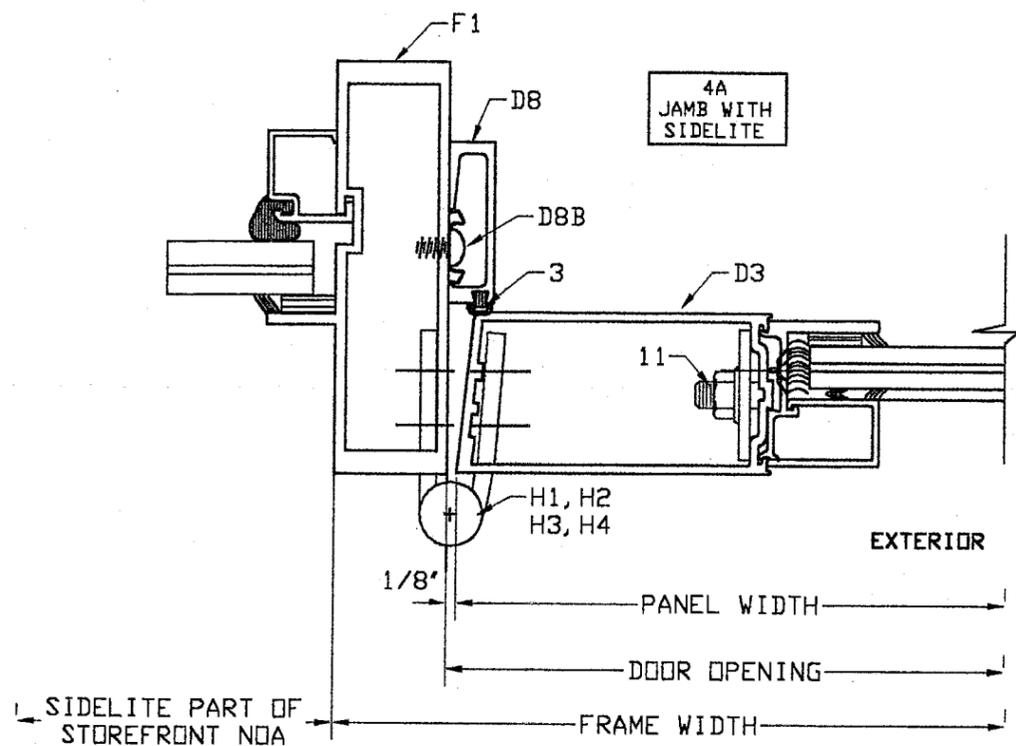
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Design by: PPMF

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DOOR HORIZONTAL SECTIONS DETAILS



| TYPICAL ANCHORS |   |
|-----------------|---|
| A-              | #14 SS WOOD SCREWS OR 1/4" TAPCONS W/ 1 1/2" EMBED. INTO WOOD (SG=, 55)                           |
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| C-              | 1/4"-14 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T5 ALUMINUM OR ASTM A36 STEEL) |

E. D. = 1" FOR WOOD  
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 E. D. = 3/4" FOR METAL

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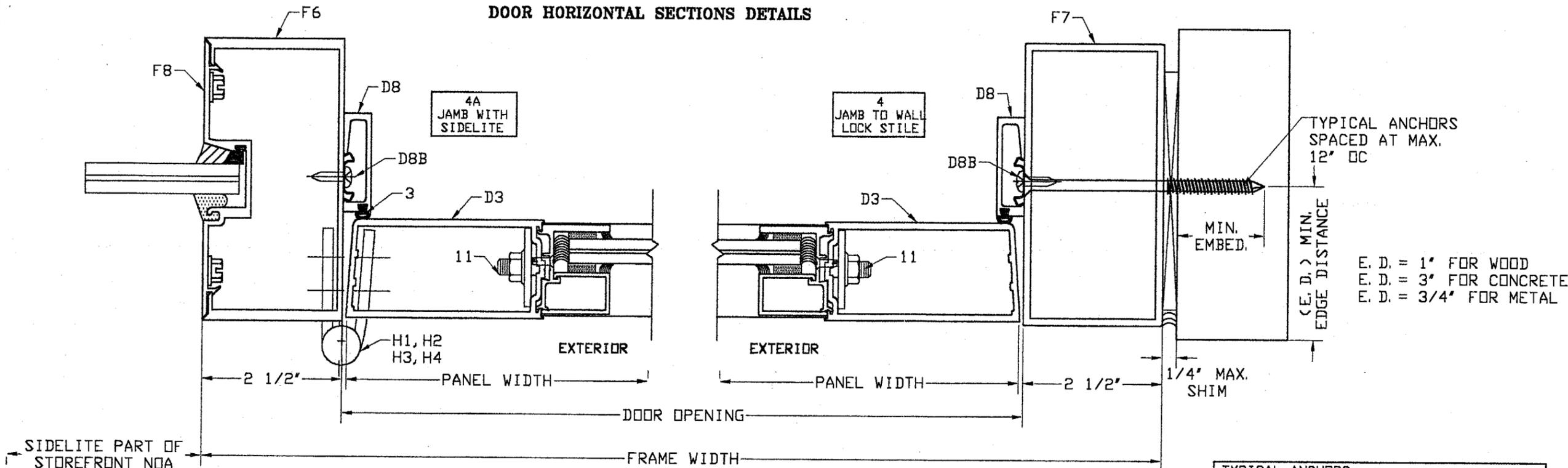
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 Design by: PPMF

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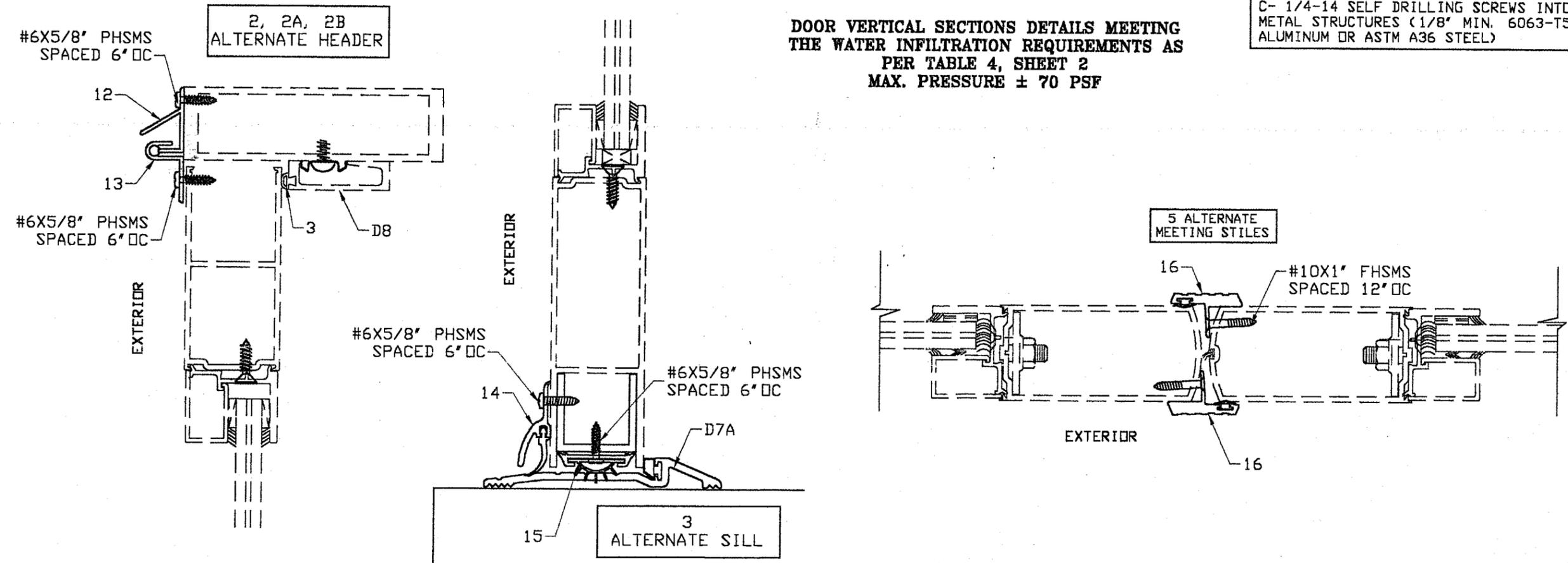
**DOOR HORIZONTAL SECTIONS DETAILS**



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 E. D. = 3/4" FOR METAL

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| C-              | 1/4"-14 SELF DRILLING SCREWS INTO METAL STRUCTURES (1/8" MIN. 6063-T5 ALUMINUM OR ASTM A36 STEEL) |

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



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**8 of 8**