



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
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/

Trulite Glass & Aluminum Solution, LLC
800 Fairway Drive, Suite # 200
Deerfield Beach, Fl. 33441

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA 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 "Resistor Series 350 Medium Stile Impact" Outswing Aluminum Storefront/Curtain Wall System Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. 11-190, titled "Resistor Series 350 Medium Stile Impact Door" sheets 1 through 13 of 13, dated 10/10/11, prepared by EngCo, Inc., signed and sealed by Pedro M. 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 Section.

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, model/series, 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 No. 09-1110.04 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 **Jaime D. Gascon, P. E.**



J Gascon
3/1/12

NOA No. 12-0117.05
Expiration Date: March 17, 2015
Approval Date: March 08, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No.'s 04-1208.01 and 09-0105.01)
2. Drawing No. 11-190, titled "Resistor Series 350 Medium Stile Impact Door" sheets 1 through 13 of 13, dated 10/10/11, prepared by EngCo, Inc., signed and sealed by Pedro M. 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 an aluminum door line, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5767**, dated 11/06/08, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under previous NOA No. 09-0105.01)
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) 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, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum door line, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.'s **FTL-4264** and **FTL-4184**, dated 06/18 and 08/03/04, signed and sealed by Edmundo Largaespada, P. E.
(Submitted under previous NOA No. 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 M. De Figueiredo, P. E.
(Submitted under previous NOA No. 09-0105.01)
2. Glazing complies with ASTM E1300-98/ 04

D. QUALITY ASSURANCE

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



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0117.05
Expiration Date: March 17, 2015
Approval Date: March 08, 2012

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E. MATERIAL CERTIFICATIONS

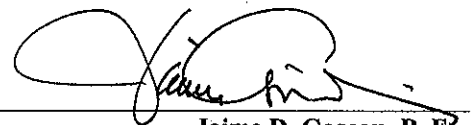
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/10, expiring on 01/14/17.
2. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex HP Glass Interlayer**" dated 04/17/08, expiring on 04/17/13.
3. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for their "**Saflex and Vanceva clear and color interlayers**" dated 05/05/11, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated 12/08/11, signed and sealed by Pedro M. De Figueiredo, P. E.
2. Certificate of name change amendment dated 07-27-11, issued by The State of Delaware for Arch Aluminum Glass, LLC to Trulite Glass & Aluminum Solution, LLC, signed by Jeffery W. Bullock, Secretary of State.
3. Florida Dept of State, listing dated 02/03/10 of Trulite Glass & Aluminum Solution, LLC (Foreign Ltd. Liability Co.), managed by Arch Intermediate Holding, LLC, Tamarac, Fl.
4. Laboratory compliance letter for Test Report No. **FTL-5767** issued by Fenestration Testing Laboratory, Inc., dated 11/06/08, signed and sealed by Carlos S. Rionda, P. E. *(Submitted Under NOA No. 09-0105.01)*
5. Laboratory compliance letter for Test Reports No.'s **FTL-4184** and **FTL-4264** issued by Fenestration Testing Laboratory, Inc., dated 06/18 and 08/03/04, both signed and sealed by Edmundo Largaespada, P. E. *(Submitted Under NOA No.04-1208.01)*

G. OTHERS

4. Notice of Acceptance No. **09-1110.04**, issued to Arch Aluminum & Glass Co., Inc. for their "**Series Resistor Impact Medium Stile Outswing Aluminum Storefront Door - L.M.I.**", approved on 03/17/10 and expiring on 03/17/15.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0117.05
Expiration Date: March 17, 2015
Approval Date: March 08, 2012

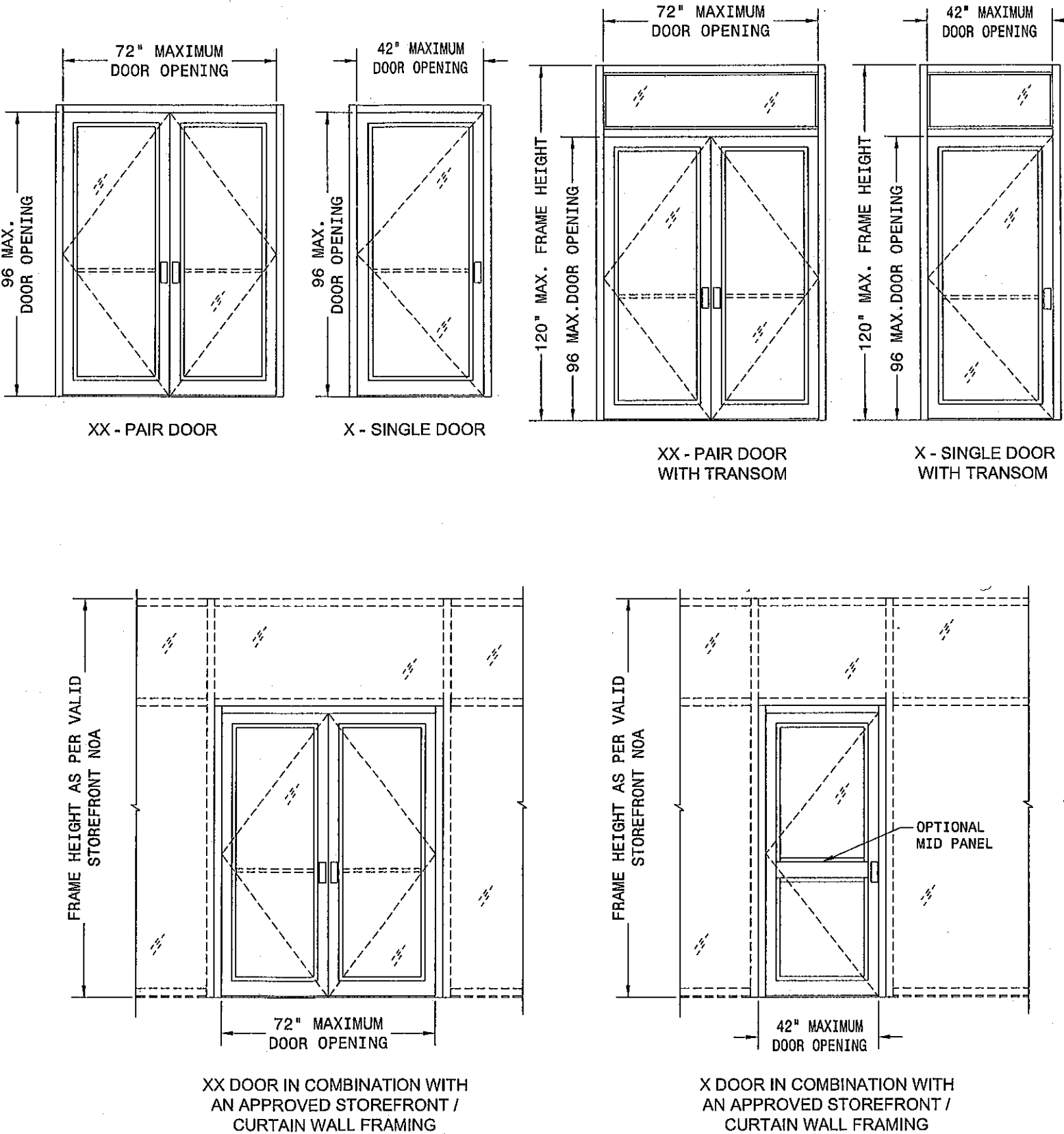
USER INSTRUCTIONS:

- 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 2007/2010 EDITION - (INCLUDING THE HIGH VELOCITY HURRICANE ZONE)
- 2. DEFINITION: THIS PRODUCT IS AN SERIES 350 MEDIUM DOOR WITH LARGE AND SMALL MISSILE IMPACT RESISTANT LAMINATED GLASS.
- 3. POSTING:
"RESISTOR SERIES-350 MEDIUM STILE IMPACT DOOR"
TRULITE GLASS & ALUMINUM SOLUTION.
DEERFIELD - BROWARD COUNTY - FLORIDA
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 APPROVAL DRAWING.
- 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



Trulite

GLASS & ALUMINUM SOLUTIONS™

http://www.trulite.com

800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

RESISTOR
SERIES 350
Medium Stile Impact Door

Resistor
PRODUCT SERIES

REVN DATE/REMARKS

ENGINEER:

EngCo Inc.

CA 8116
5595 ORANGE DRIVE SUITE 201
DAVIE, FL. 33314
ENGCO@AOL.COM

STAMP:



PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0117.05
Expiration Date 03/17/2015
By [Signature]
Miami Dade Product Control

DRAWN: TRULITE

DRAWING No:

DATE: 10.10.11

1 OF 13

DWG: 11-190

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 IIIIG (KEEPSAFE) INTERLAYER	±80

TABLE 1A-ALLOW. DESIGNED PRESSURES FOR TRANSOM GLAZING:

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 IIIIG (KEEPSAFE) INTERLAYER	±85

TABLE 2- ALLOWABLE DESIGNED PRESSURES FOR HARDWARE CONFIG:

	ITEM#	LOCATION	DESCRIPTION	SUPPLIER	ALLOWABLE PRESSURE
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/ 686 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

TABLE 4- ALLOWABLE DESIGNED PRESSURES

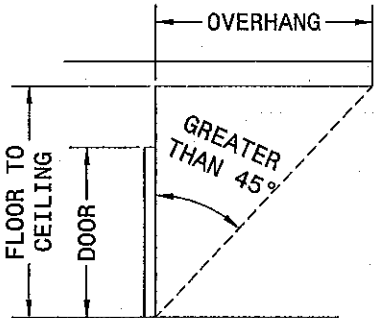
DOOR OPENING	72x96	42x96	36x96
PRESSURE 1	±85	±80	±85
PRESSURE 2	±70	NA	±70

BASED ON WATER INFILTRATION

GENERAL NOTES:

- 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.
- 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.

ILLUSTRATION "Z"



BILL OF MATERIALS

MISCELLANEOUS DOOR COMPONENTS:

ITEM#	PART #	DESCRIPTION	MATERIAL	SUPPLIER/REMARKS
1	V2104	GLAZING TAPE 1/2x1/8	FOAM TAPE	NORTON
2	995	GLAZING SEALANT	SILICONE	DOW CORNING
3	H-65	BULB WEATHERSTRIPPING	EPDM	VARIES
4	H-63/RG1	WEDGE-IN GASKET	EPDM	VARIES
5	V2100	GLAZING TAPE 3/8x1/4	FOAM TAPE	NORTON
6	H-62D	SETTING BLOCK	EPDM	VARIES
7	S-PILE	PILE W'STRIPPING	-	SCHLEGEL
8	-	BULB W'STRIPPING	VINYL	PEMKO
9	-	PULL HANDLE @ 42 1/2"	6063-T6	TRULITE
10	-	PUSH BAR @ 42 1/2"	6063-T5	TRULITE
11	TR36	3/8" THREADED ROD W/ NUT		TRULITE
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	TRULITE
18	26203	INT. TIE ROD REINF.PLATE	6063-T6	TRULITE
19	-	EXT. TIE ROD REINF.PLATE	6063-T6	TRULITE
20	1109	BASE ANCHOR	6063-T6	TRULITE

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

FRAMING & DOOR PARTS (MANUFACTURED BY TRULITE)

ITEM#	PART #	DESCRIPTION	MATERIAL
F1	3001	DOOR HEADER/TRANSOM/JAMB	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/JAMB	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	51513	DOOR JAMB/ HEADER	6063-T6
D1	AGA-150	ACTIVE STILE	6063-T5
D2	AGA-155	INACTIVE STILE	6063-T5
D3	AGA-73	HINGE STILE	6063-T5
D4	AGA-152	5" BOTTOM/TOP/MID RAIL	6063-T5
D4A	AGA-69	7 1/2" BOTTOM RAIL	6063-T5
D4B	35131	10" BOTTOM RAIL	6063-T6
D5	AGA-5	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	AGA-95	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



http://www.trulite.com

800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

**RESISTOR
SERIES 350**
Medium Stile Impact Door



REV#	DATE/REMARKS

ENGINEER:

EngCo Inc.

CA 8116
5595 ORANGE DRIVE SUITE 201
DAVIE, FL 33314
ENGCO@AOL.COM

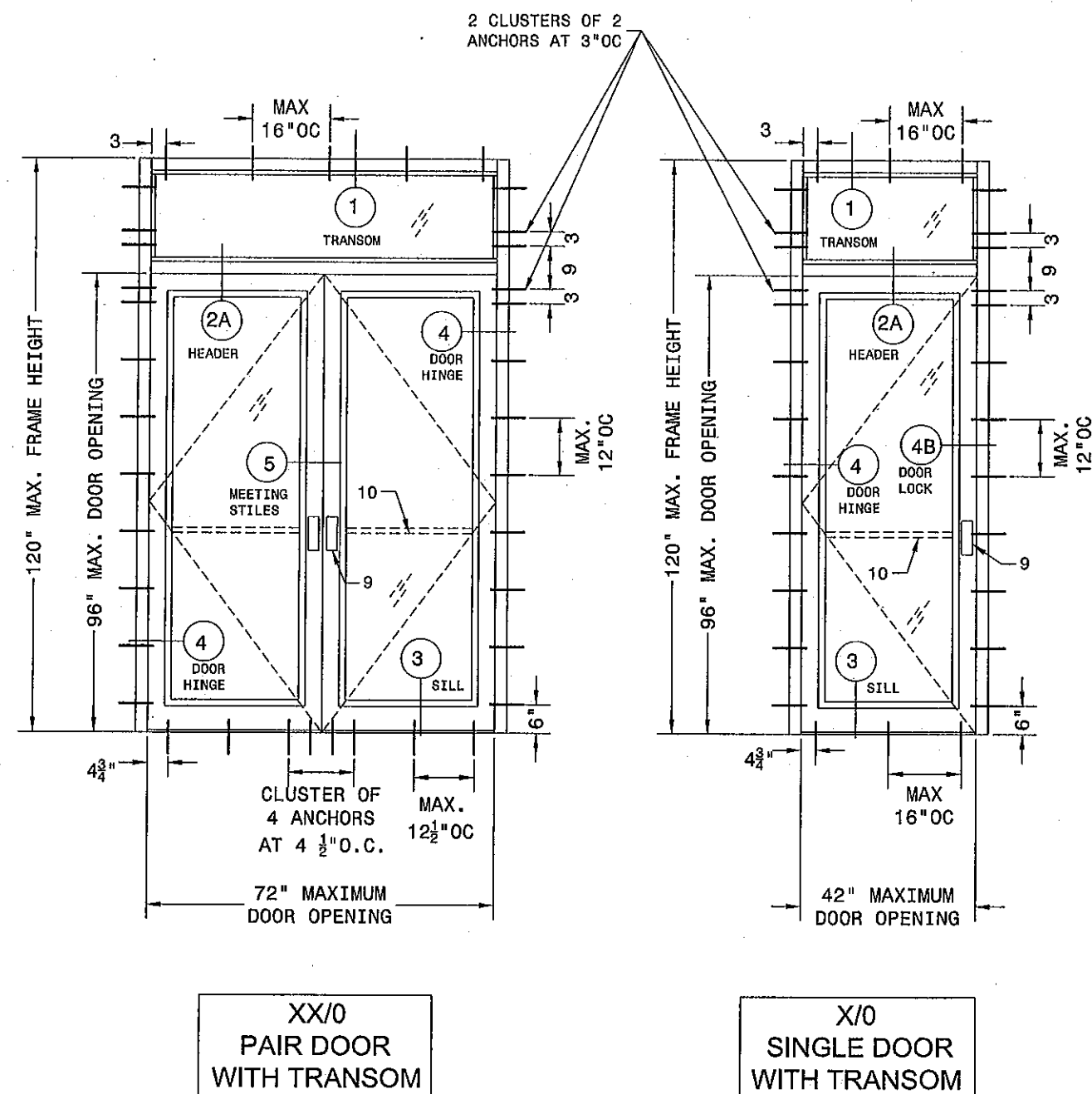


PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0117-05
Expiration Date 03.17.2015
By *[Signature]*
Miami Dade Product Control

DRAWN: TRULITE	DRAWING No:
DATE: 10.10.11	2 OF 13
DWG: 11-190	

TYPICAL ELEVATIONS AND ANCHORAGE LAY-OUT



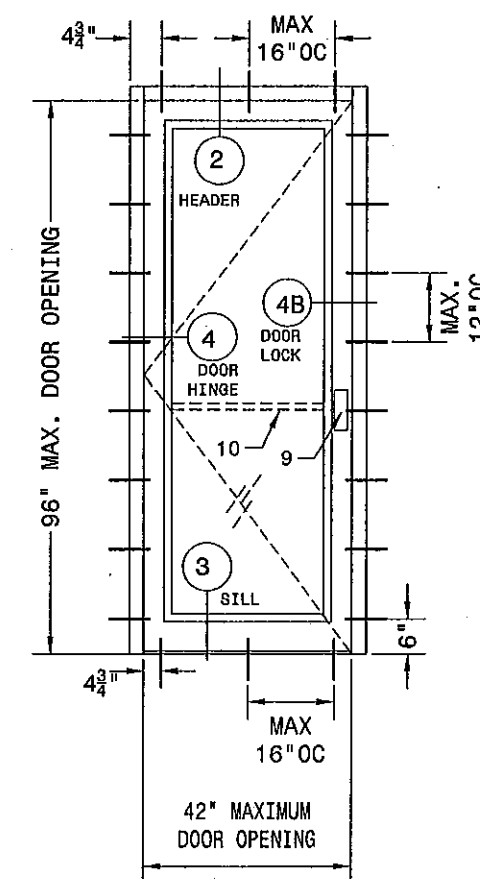
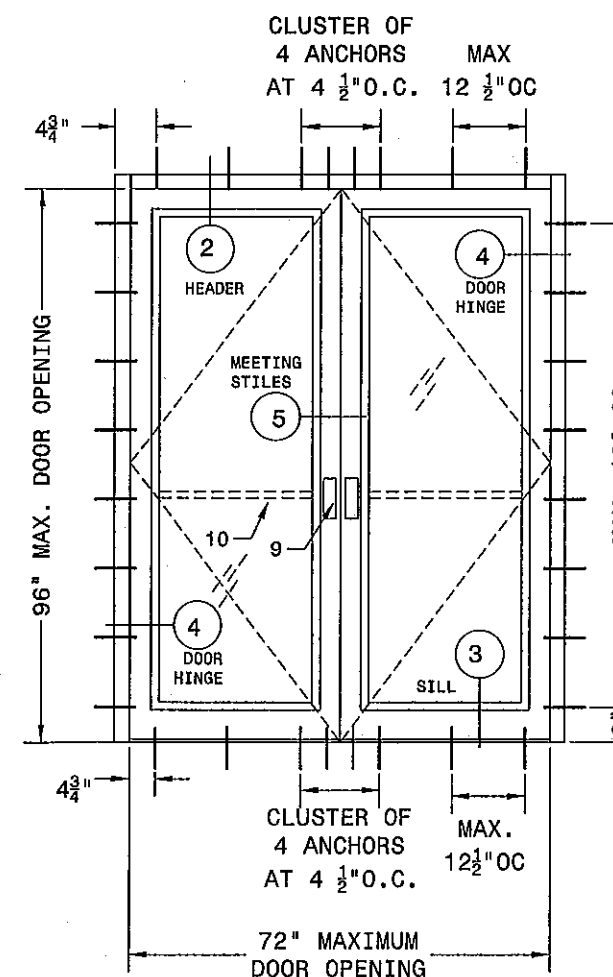
TYPICAL ANCHORS

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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Resistor
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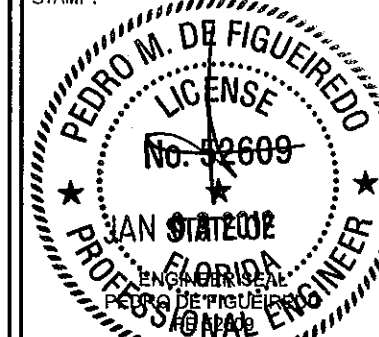
REVW DATE/REMARKS

ENGINEER:

EngCo Inc.

CA 8116
5595 ORANGE DRIVE SUITE 201
DAVIE, FL. 33314
ENGCO@AOL.COM

STAMP:



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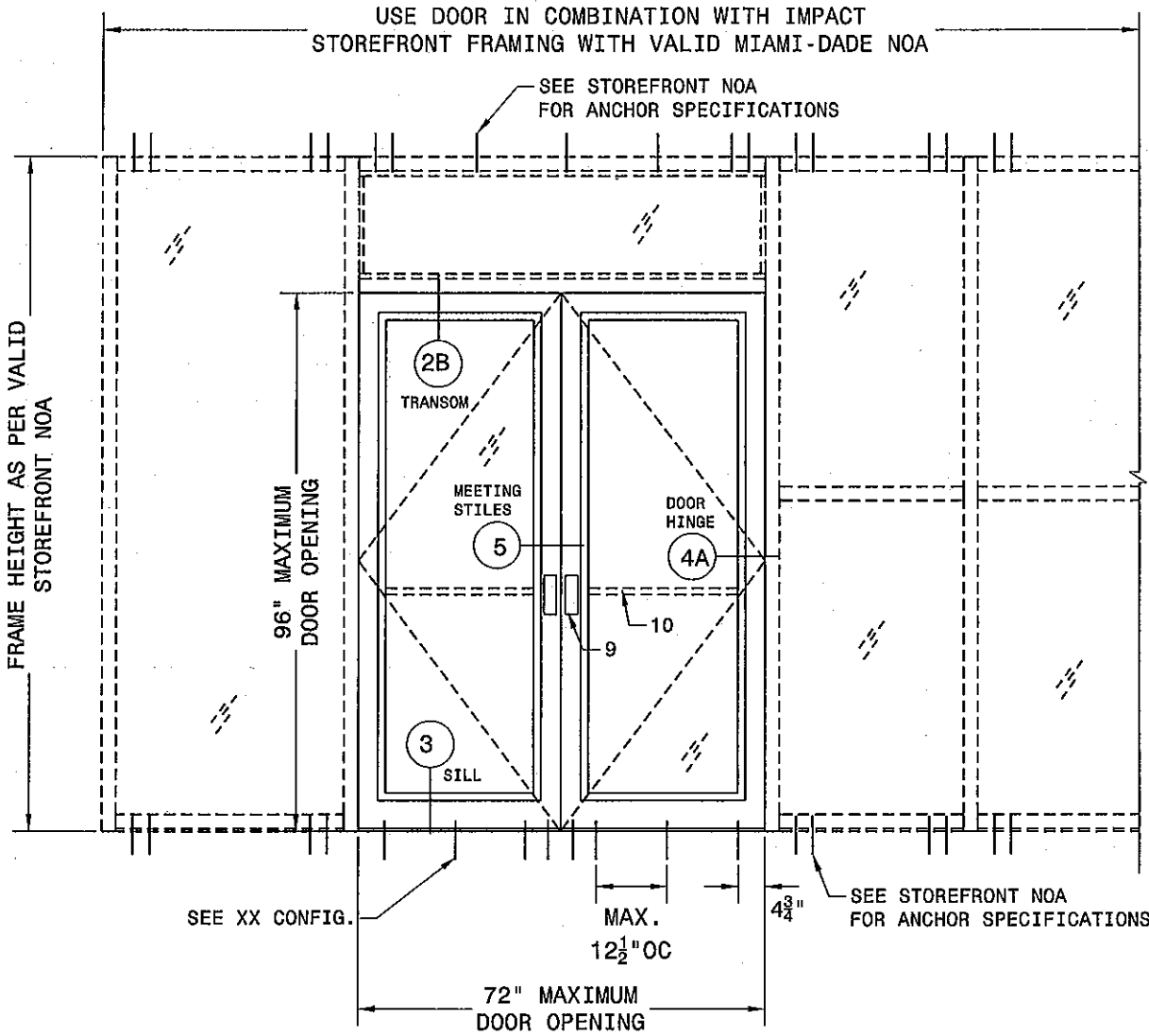
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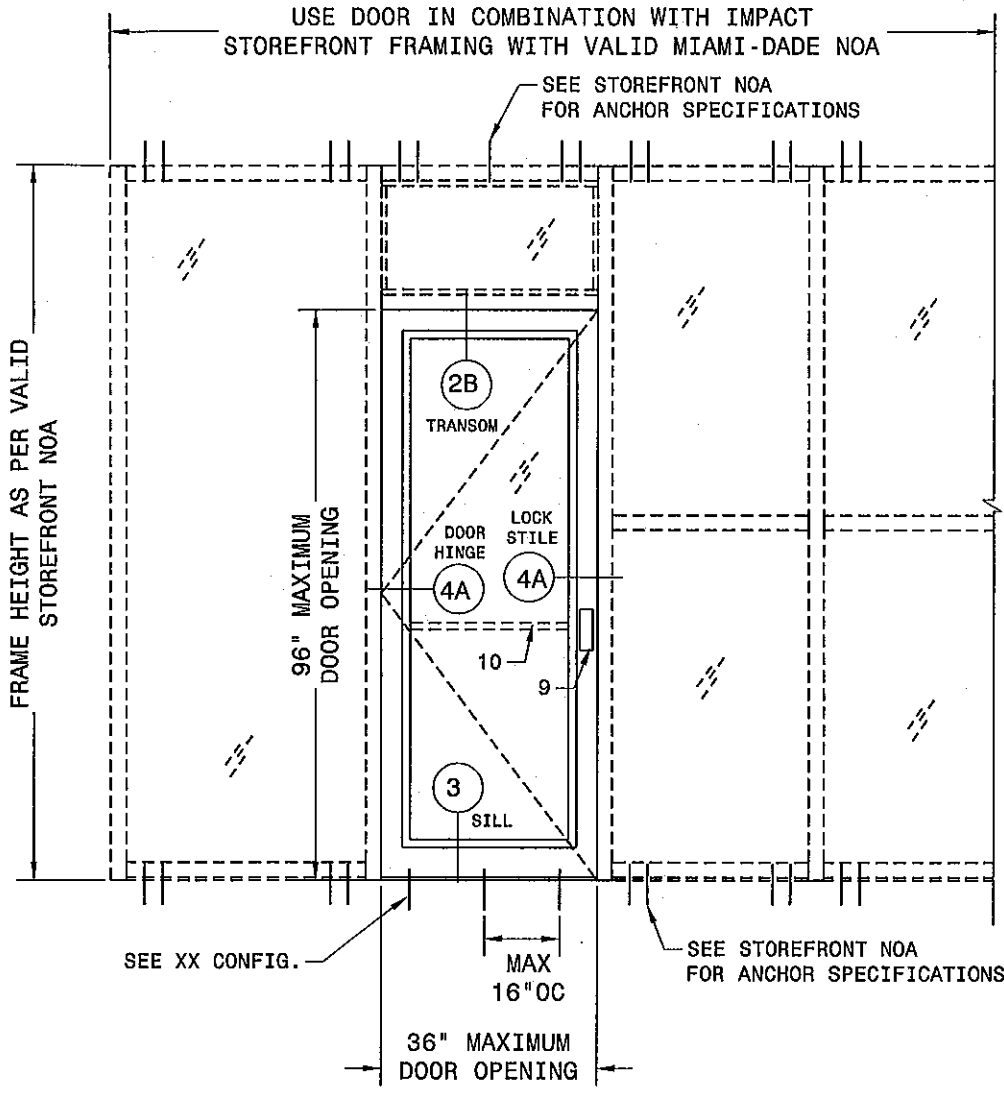
DRAWING No:

3 OF 13

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



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PRODUCT:

**RESISTOR
SERIES 350**
Medium Stile Impact Door



REVN	DATE/REMARKS

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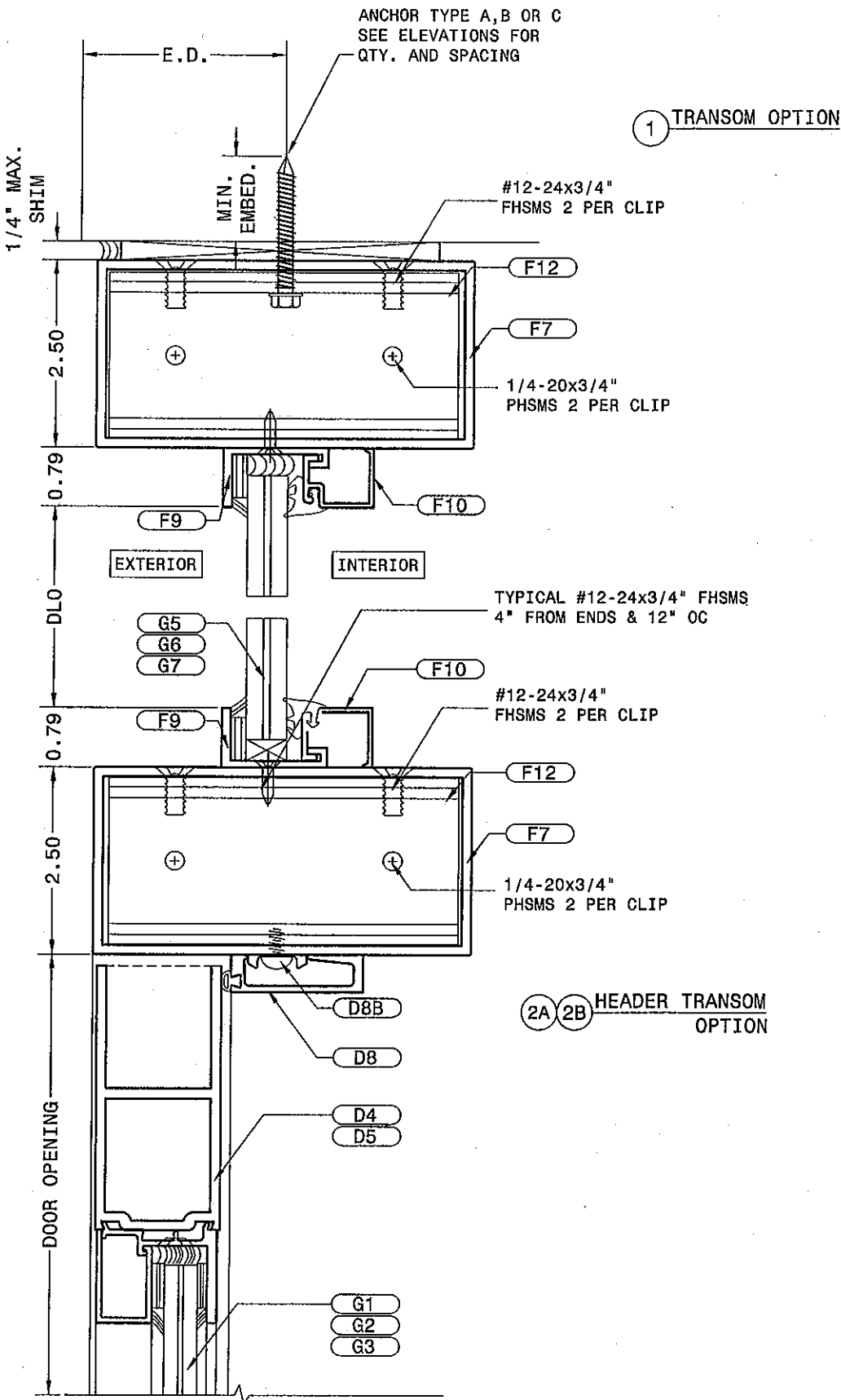


PRODUCT CONTROL APPROVAL:

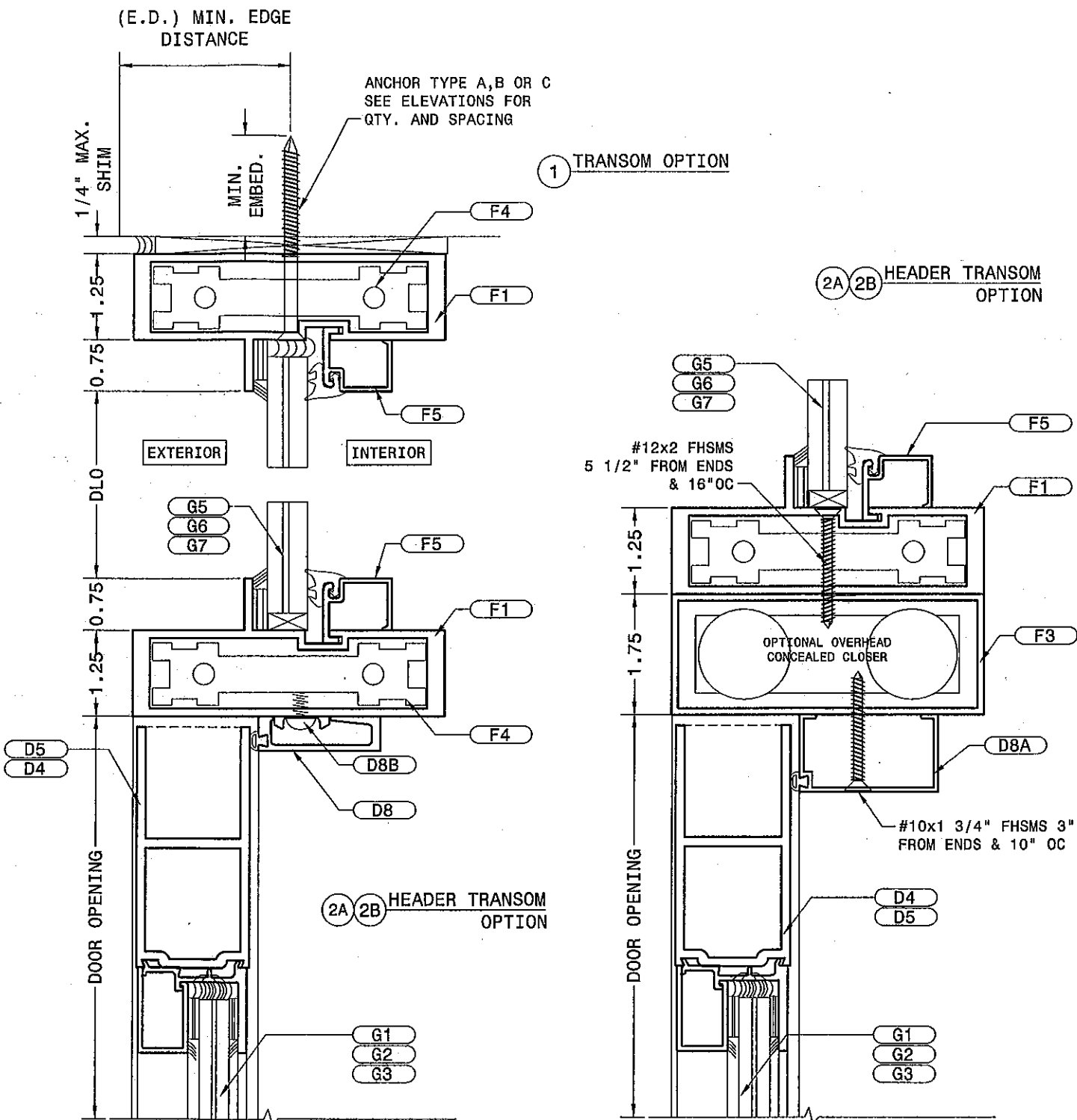
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0117.08
Expiration Date 23/17 2015
By *[Signature]*
Miami Dade Product Control

DRAWN: TRULITE	DRAWING No:
DATE: 10.10.11	4 OF 13
DWG: 11-190	

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" OC.
2- STEEL CLIPS D8B ARE ANCHORED TO HEADER WITH ONE #10-24x1/2 PHMS

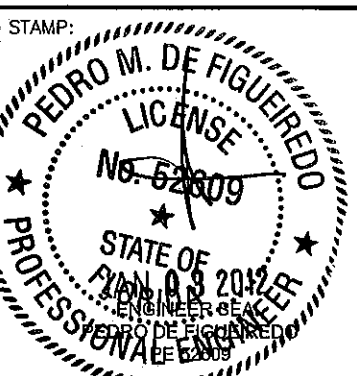
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PRODUCT:
**RESISTOR
SERIES 350**
Medium Stile Impact Door

Resistor
PRODUCT SERIES

REV#	DATE/REMARKS

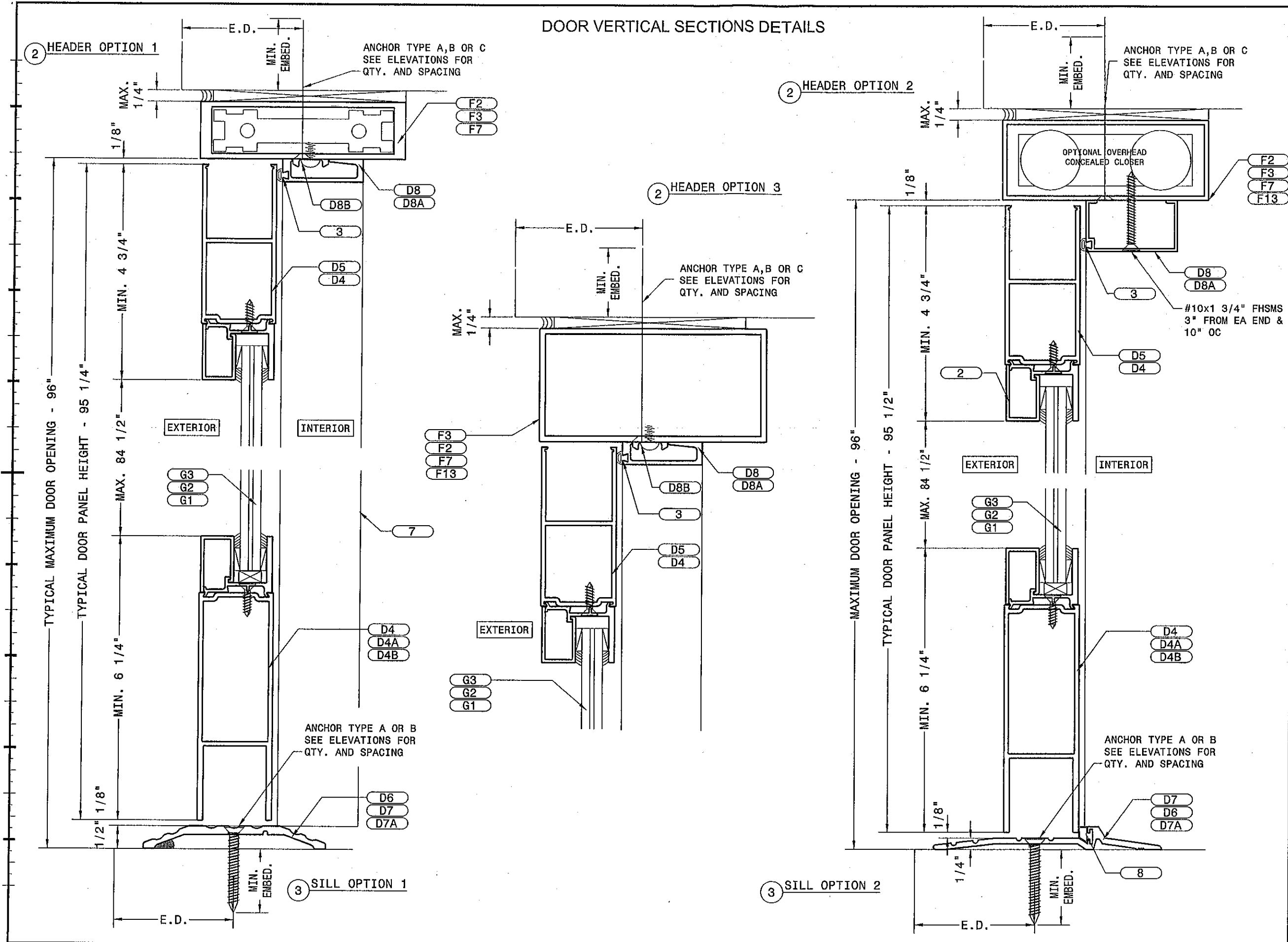
ENGINEER:
EngCo Inc.
CA 8116
5595 ORANGE DRIVE SUITE 201
DAVIE, FL 33314
ENGCO@AOL.COM



PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. **12-0117.05**
Expiration Date **03/17/2015**
By *[Signature]*
Miami Dade Product Control

DOOR VERTICAL SECTIONS DETAILS



Trulite

GLASS & ALUMINUM SOLUTIONS™

http://www.trulite.com

800 FAIRWAY DRIVE, Suite 200
DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

**RESISTOR
SERIES 350**
Medium Stile Impact Door

Resistor
PRODUCT SERIES

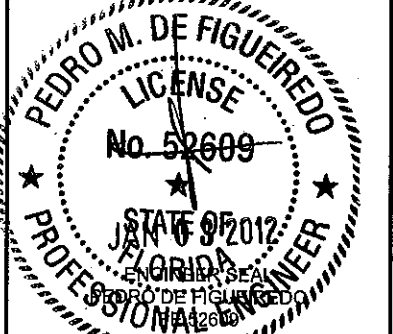
REV#	DATE/REMARKS

ENGINEER:

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ENGCO@AOL.COM

STAMP:



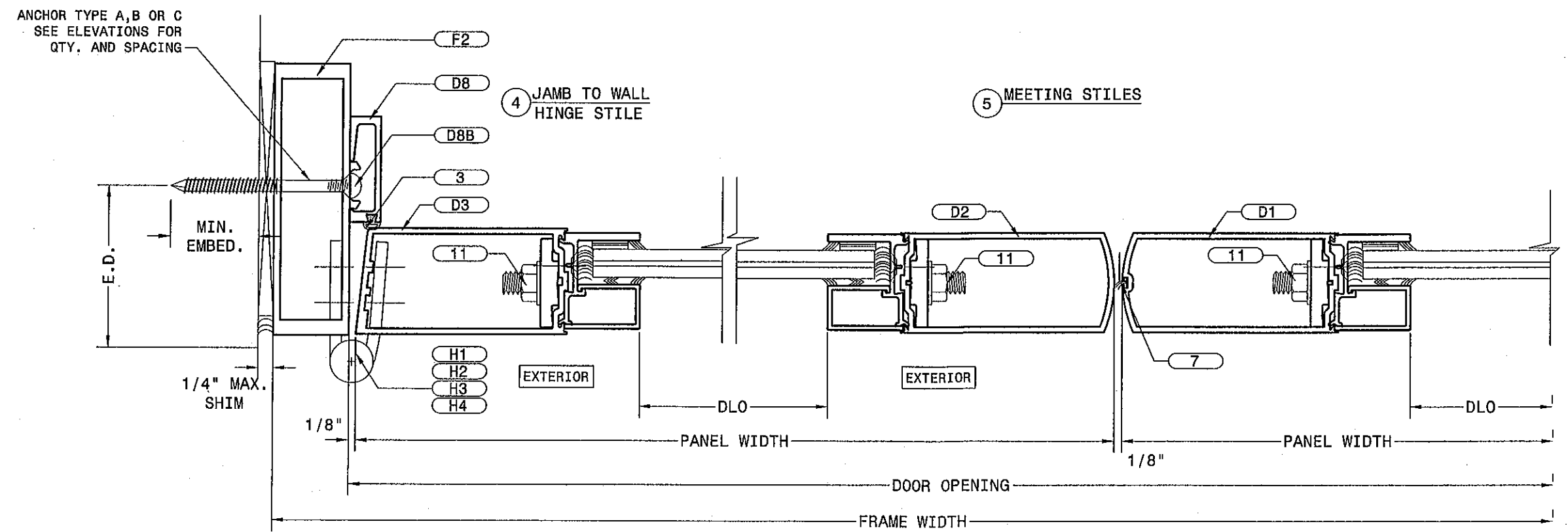
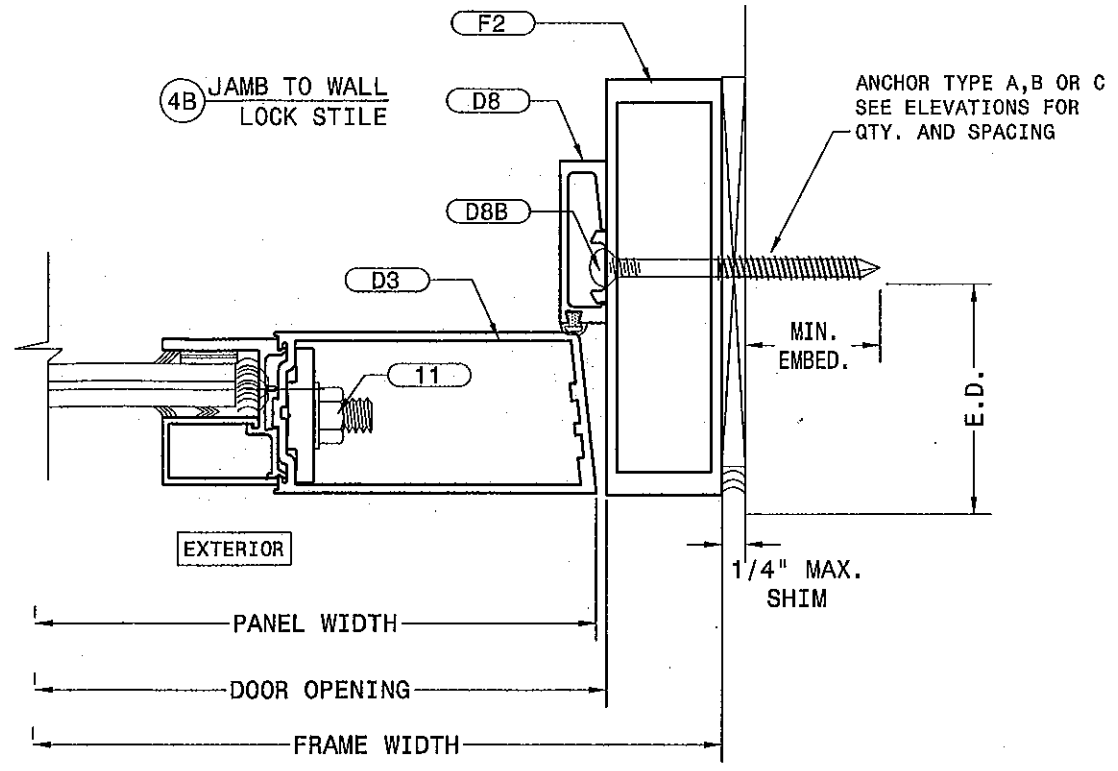
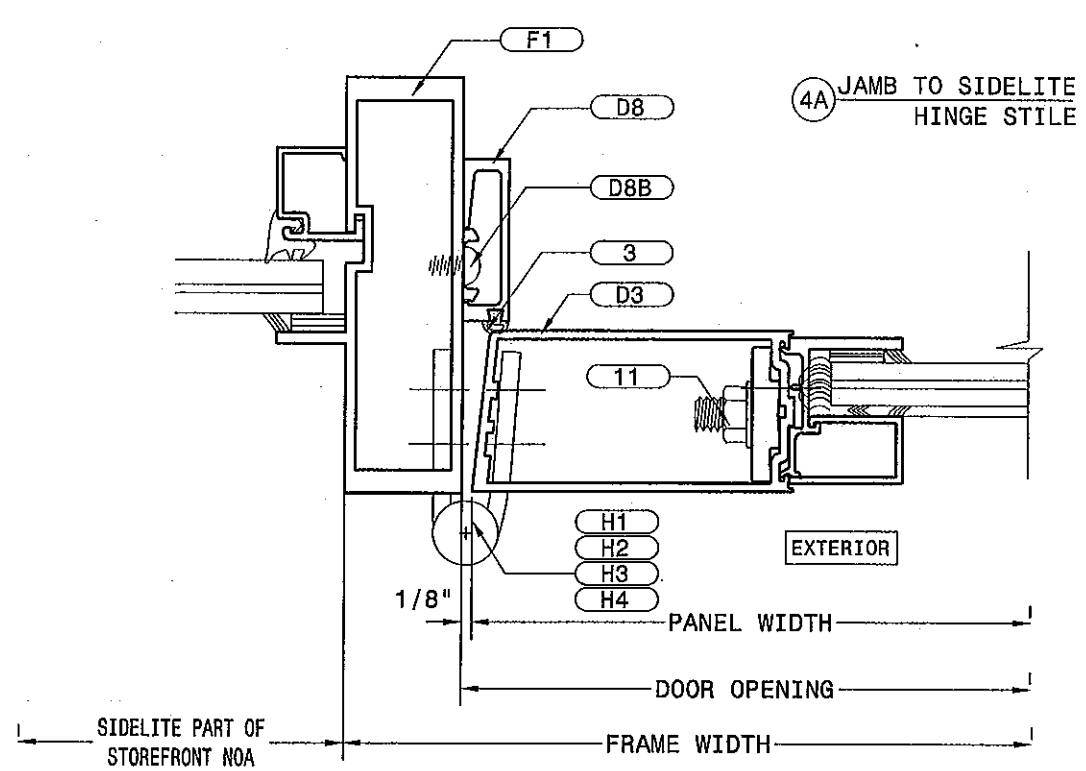
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Miami Dade Product Control

DRAWN: TRULITE
DATE: 10.10.11
DWG: 11-190

DRAWING No:
6 OF 13

DOOR HORIZONTAL SECTIONS DETAILS



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Resistor
PRODUCT SERIES

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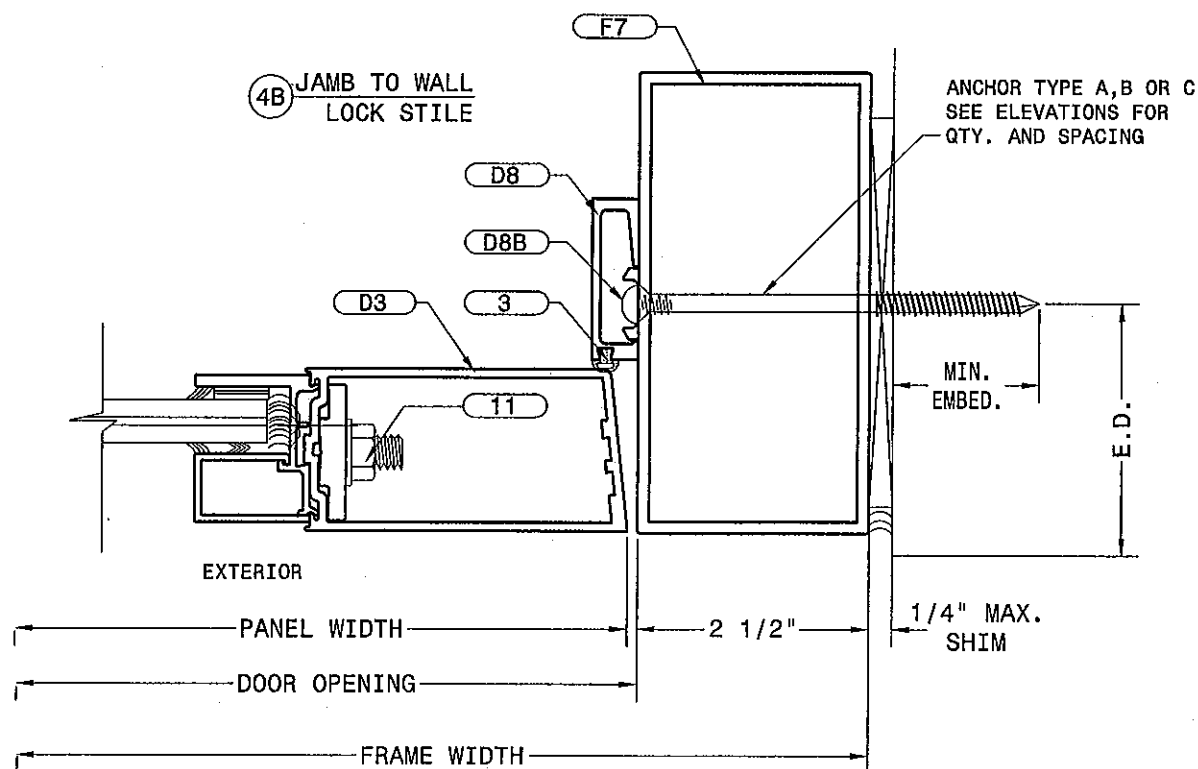
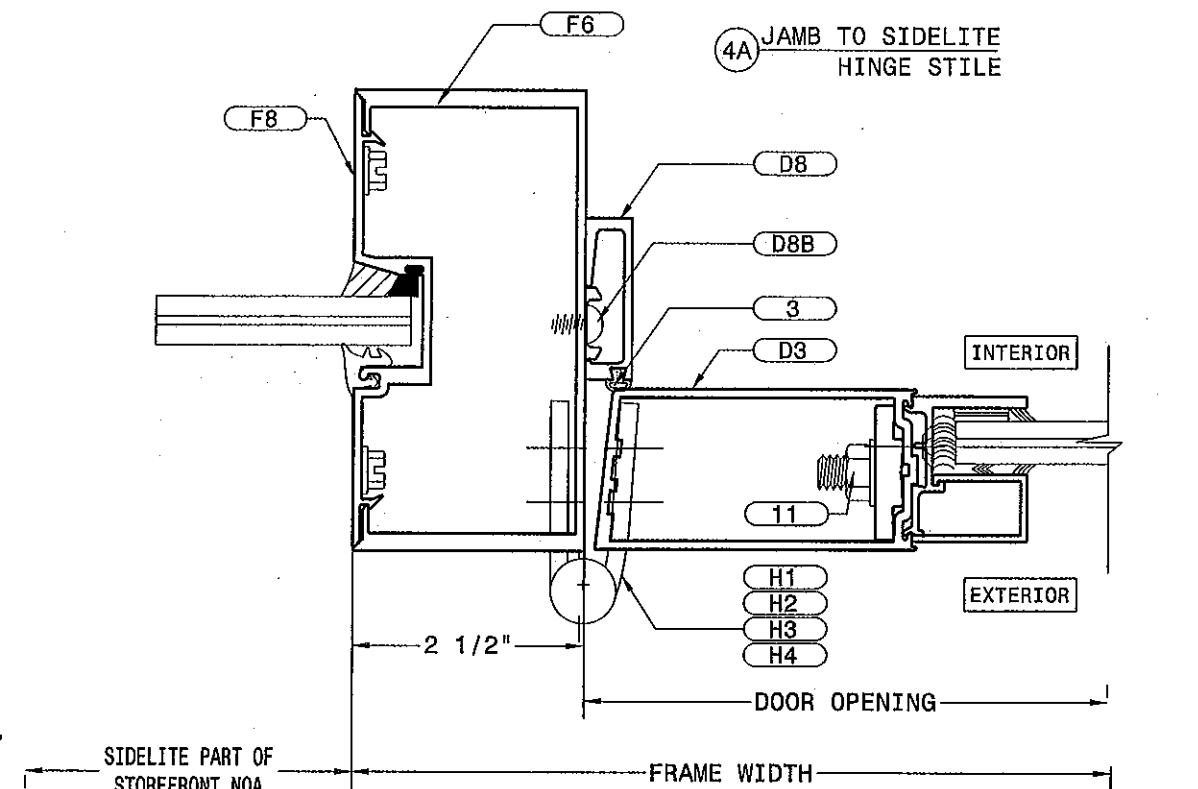
STAMP:
PEDRO M. DE FIGUEIREDO
LICENSE
No. 52609
STATE OF FLORIDA
JAN 03 2012
PROFESSIONAL ENGINEER

PRODUCT CONTROL APPROVAL:

PRODUCT REVISED
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Building Code
Acceptance No. 12-0117-05
Expiration Date 02/17/2015
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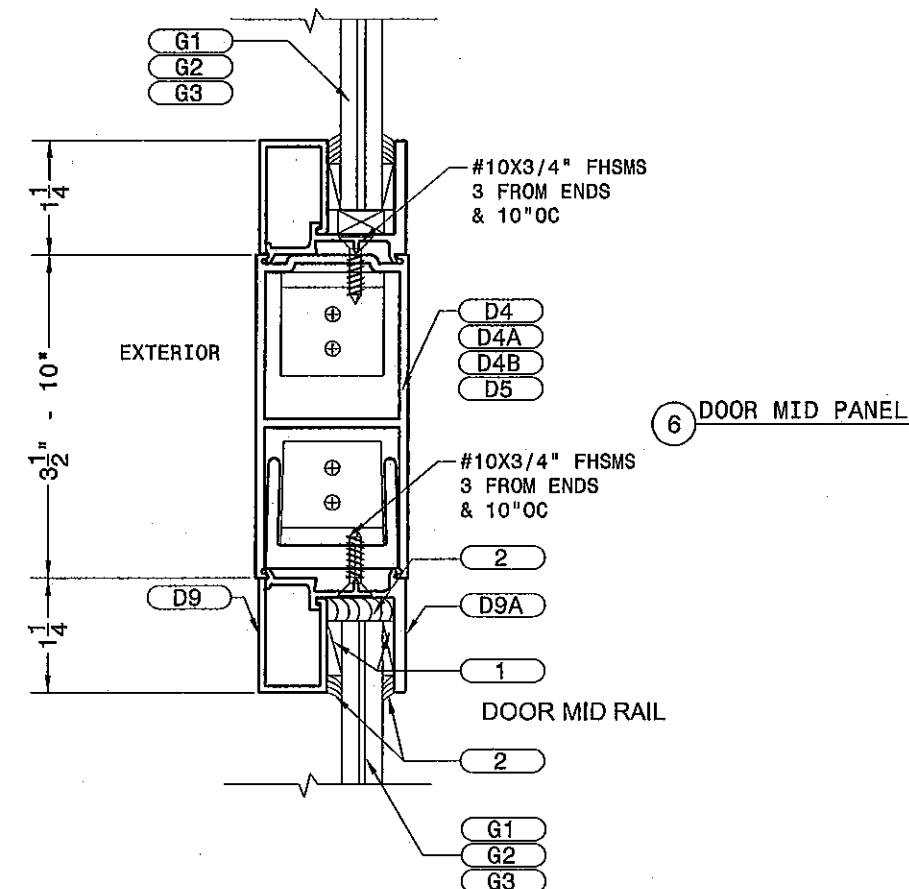
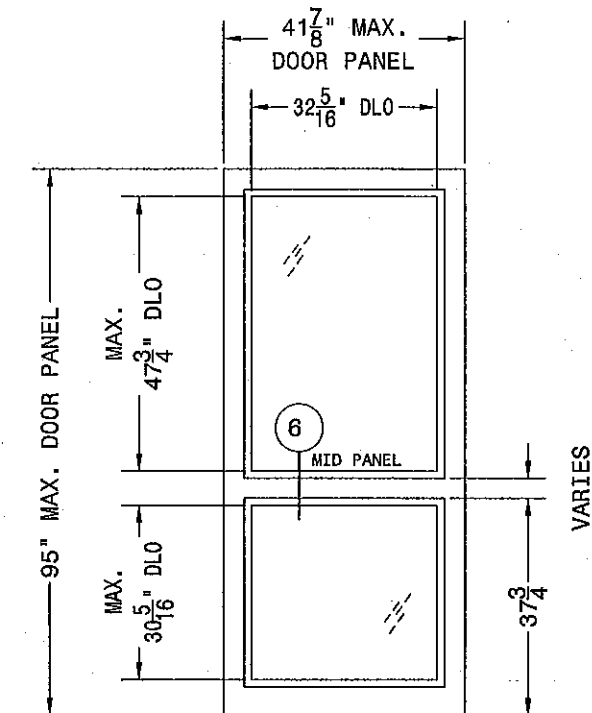
DRAWN: TRULITE	DRAWING No:
DATE: 10.10.11	7 OF 13
DWG: 11-190	

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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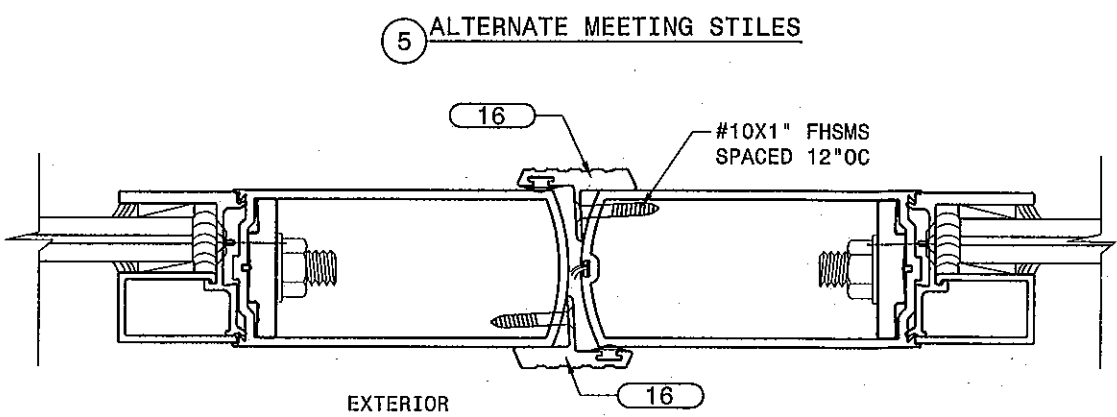
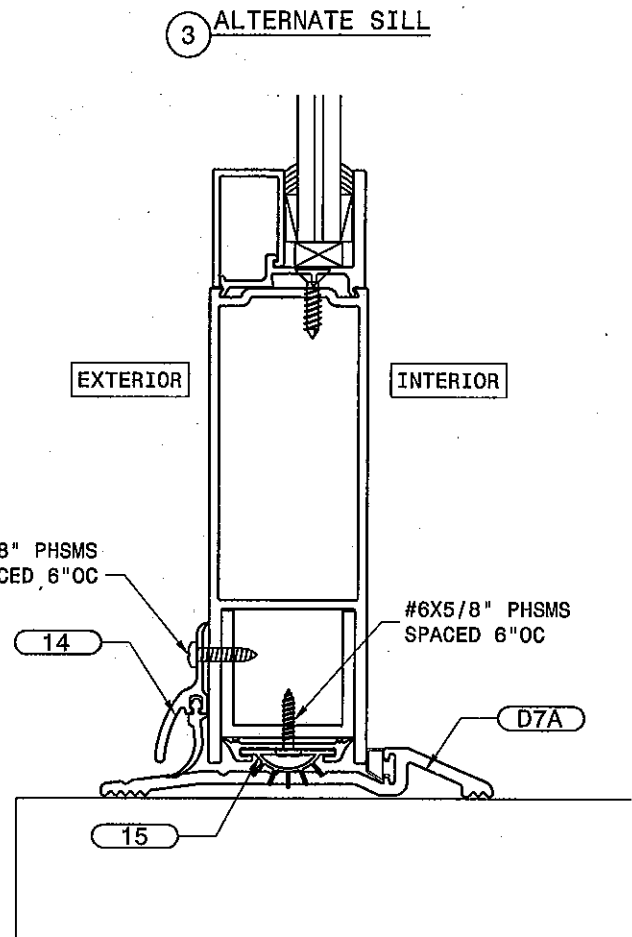
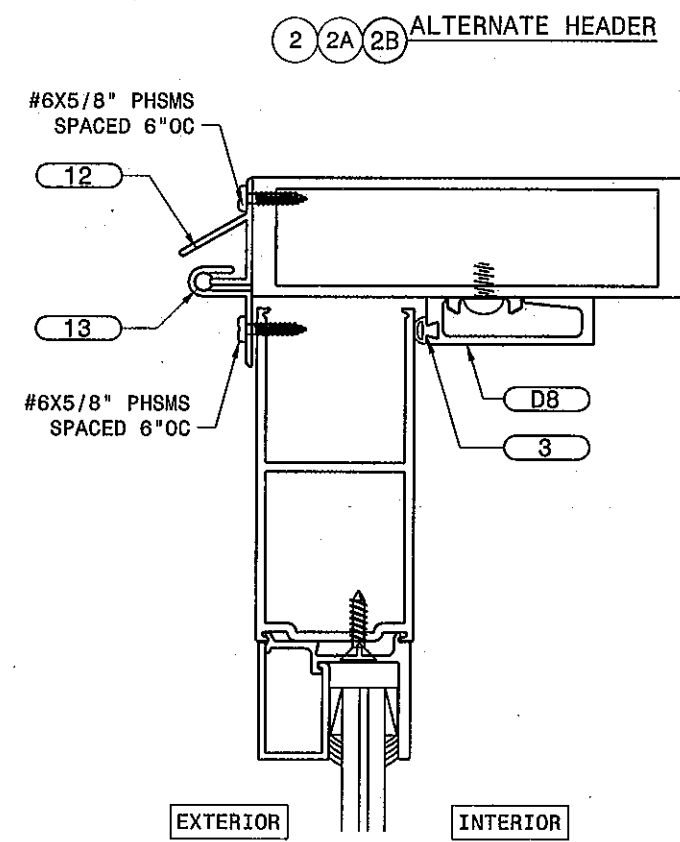
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DRAWING No:
8 OF 13

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



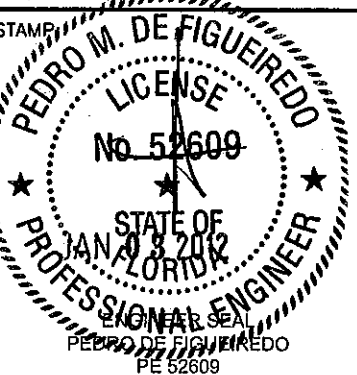
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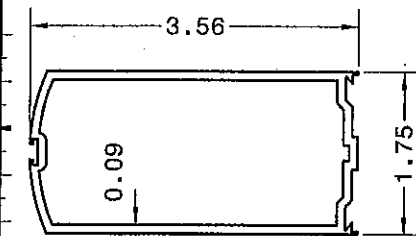


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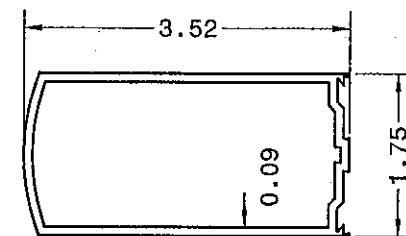
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DWG: 11-190	

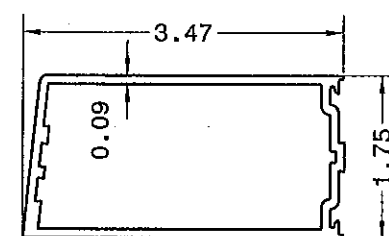
DOOR COMPONENTS



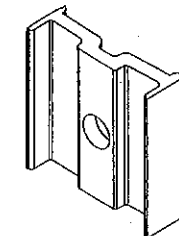
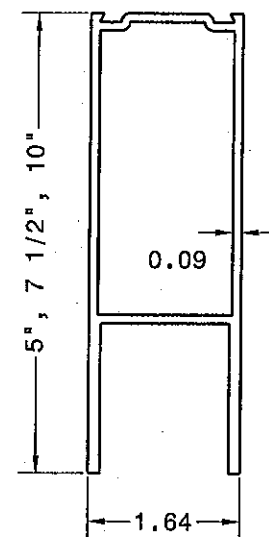
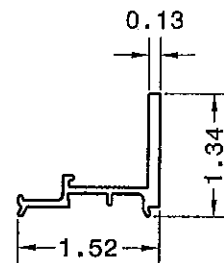
D1- ACTIVE STILE



D2- INACTIVE STILE

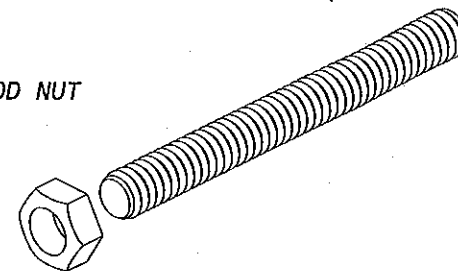
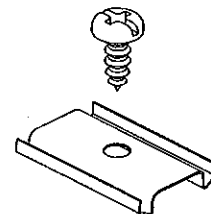
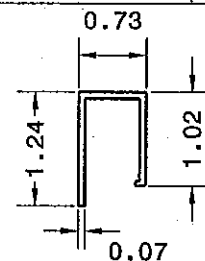


D3- HINGE STILE

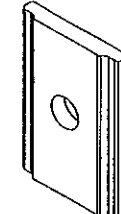
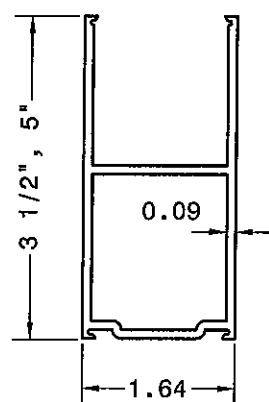
20- INTERIOR TIE ROD
REINFORCED PLATED4, D4A, D4B
BOTTOM RAIL/ MID RAIL

D9A- INTERIOR GLASS STOP

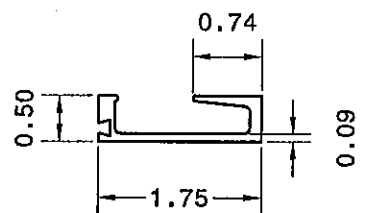
TIE ROD NUT

11 TIE ROD AND NUT (RAIL LENGTH + 1 $\frac{9}{16}$ ")D8B- 1 1/8" CLIP W/ #10X1/2" PHMS
6" FROM ENDS AND 12" OC

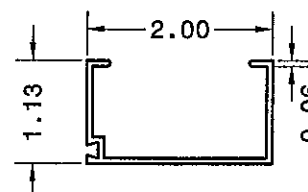
D9- EXTERIOR GLASS STOP

19- EXTERIOR TIE ROD
REINFORCED PLATE

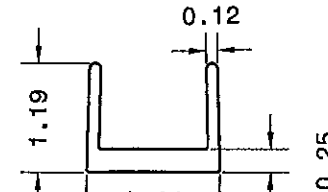
D5, D4 TOP/MID RAIL



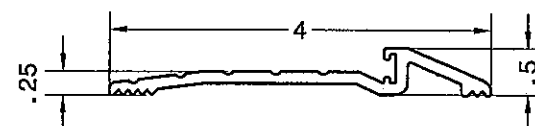
D8- STD. DOOR STOP



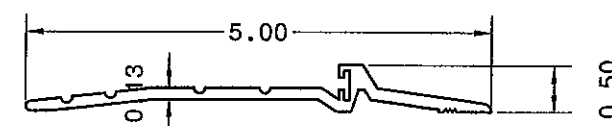
D8A- HEADER DOOR STOP



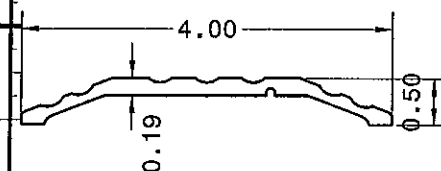
18- BASE ANCHOR



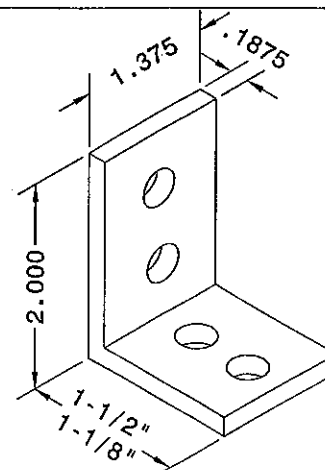
D7A- ALTERNATE BUMPER THRESHOLD



D7- BUMPER THRESHOLD

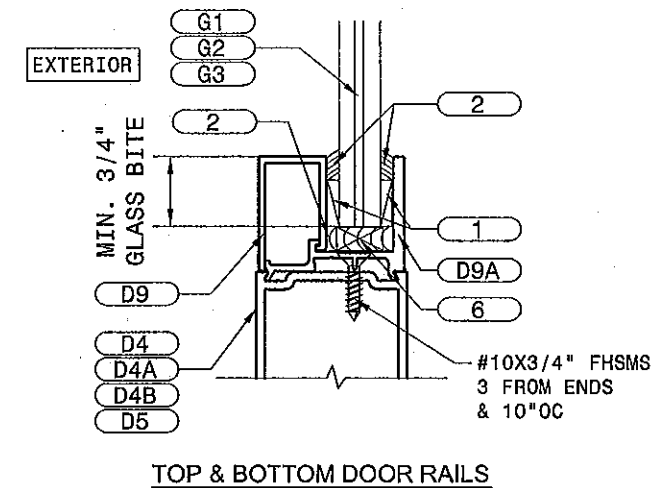


D6- SADDLE THRESHOLD

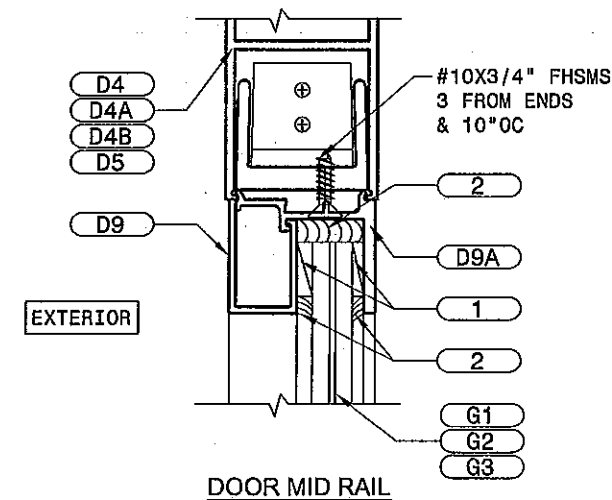


17- ALUMINUM ANGLE

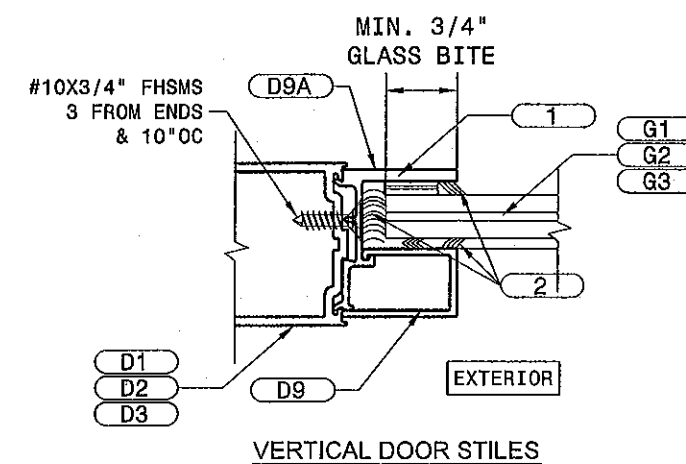
DOOR GLAZING DETAILS



TOP & BOTTOM DOOR RAILS



DOOR MID RAIL



VERTICAL DOOR STILES

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DEERFIELD BEACH, FL 33441
p. 800-432-8132 | f. 954-724-2083

PRODUCT:

RESISTOR
SERIES 350

Medium Stile Impact Door

Resistor
 PRODUCT SERIES

REV# DATE/REMARKS

ENGINEER:

EngCo Inc.
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DAVIE, FL. 33314
ENGCO@AOL.COM

STAMP:



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 PRODUCT REVISED
 as complying with the Florida
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 Expiration Date 12/17/2016

By Miami Dade Product Control

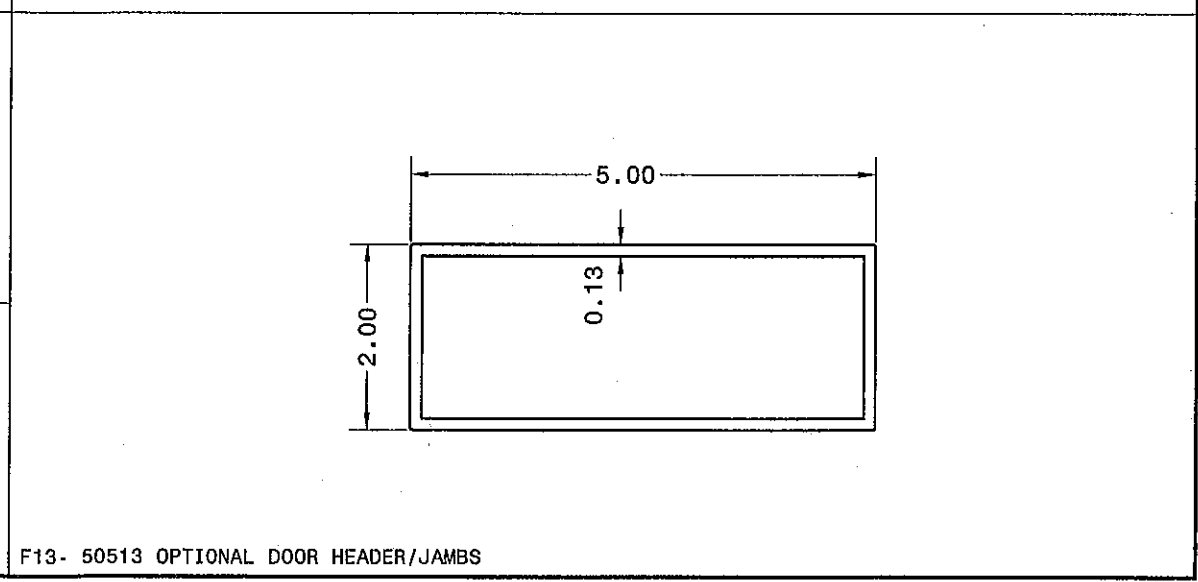
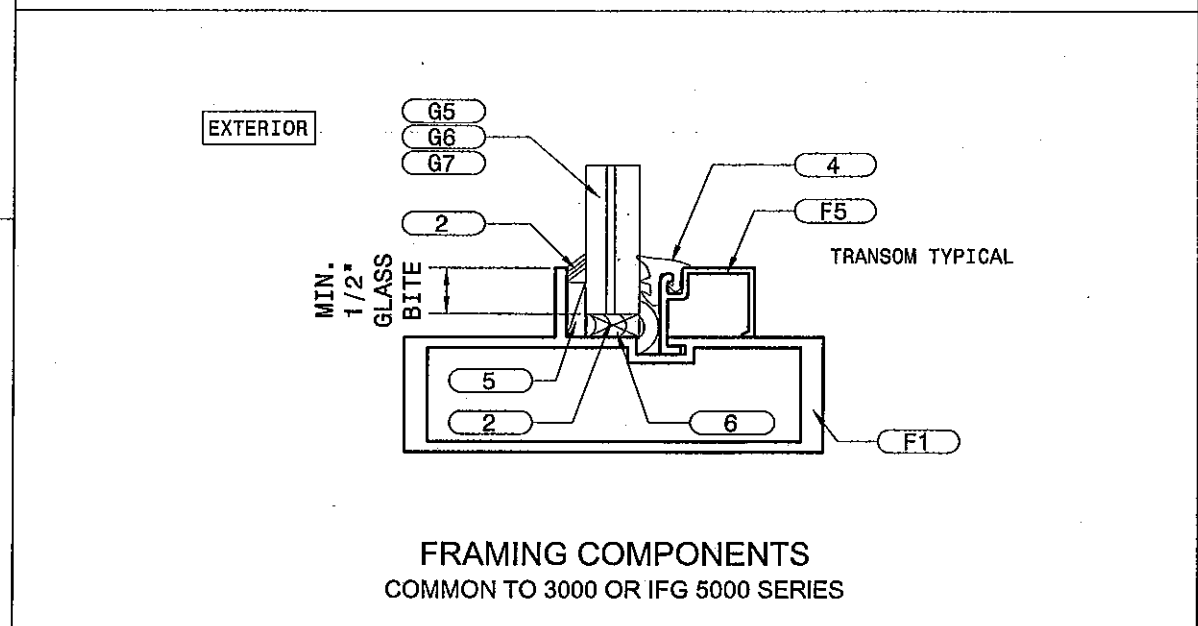
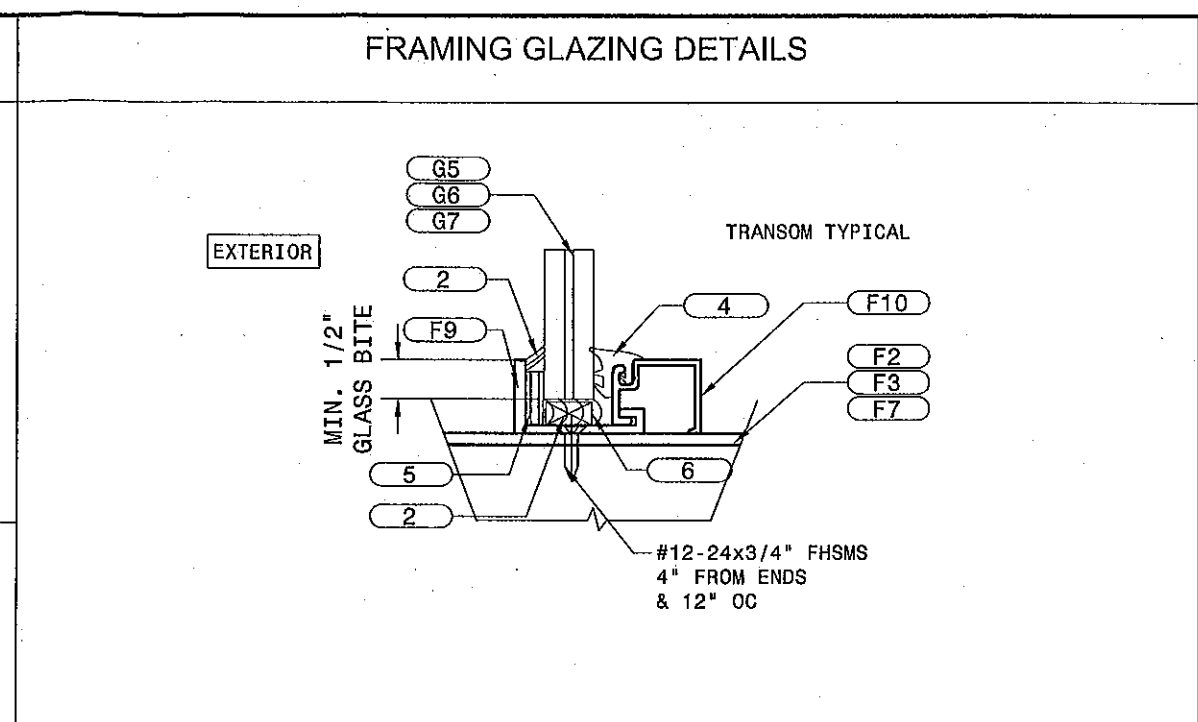
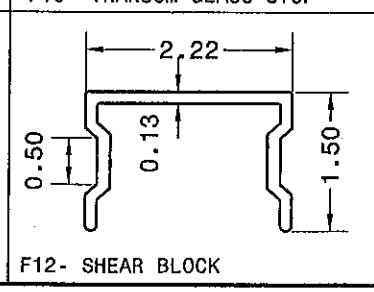
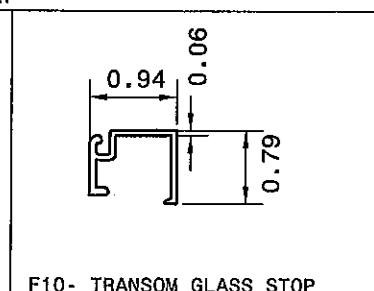
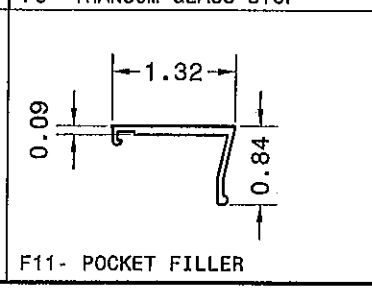
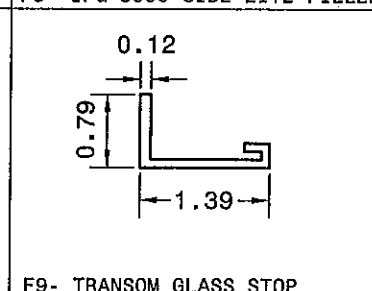
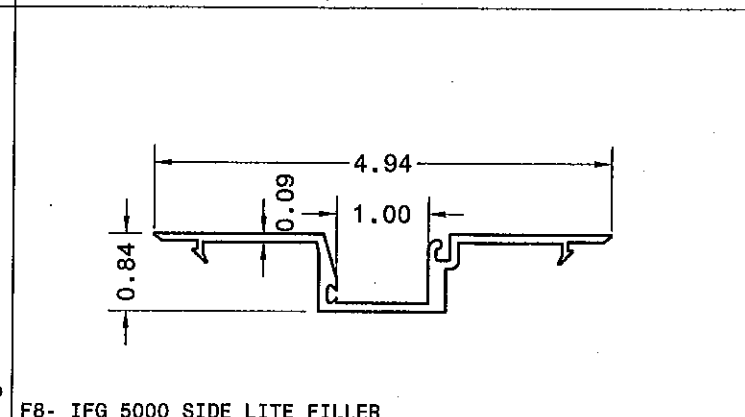
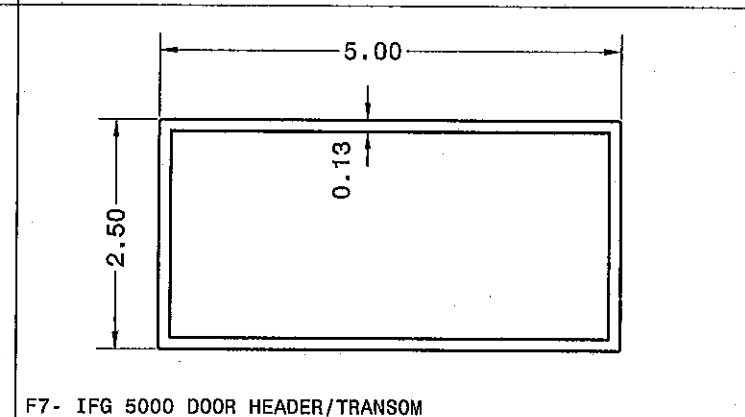
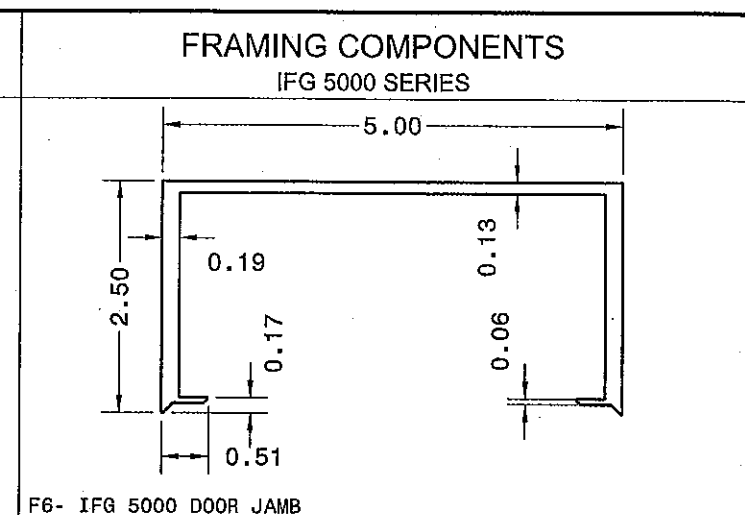
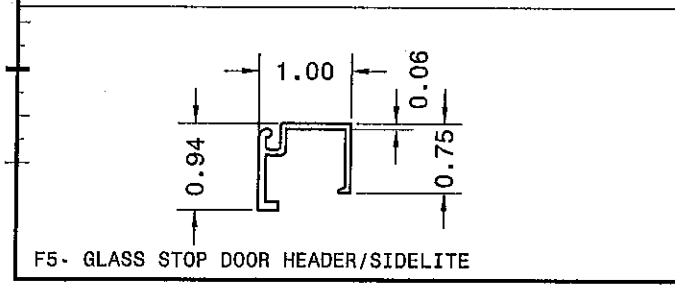
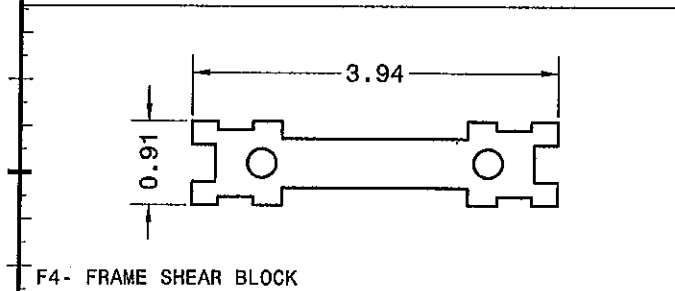
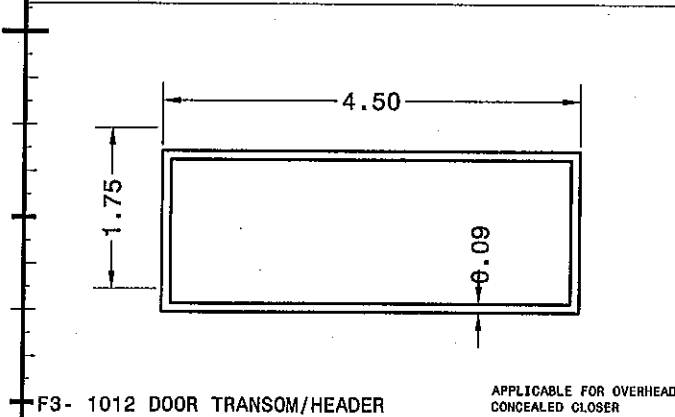
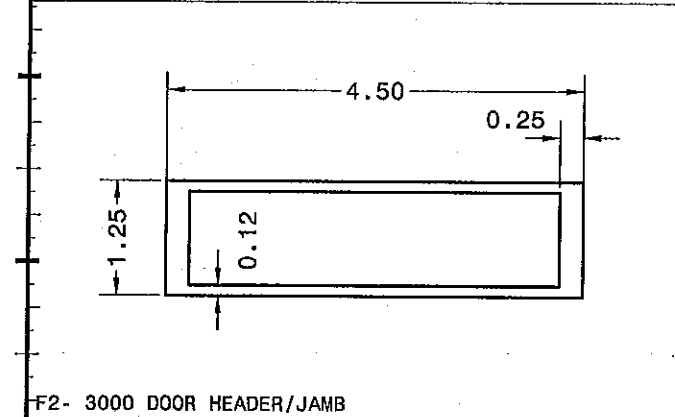
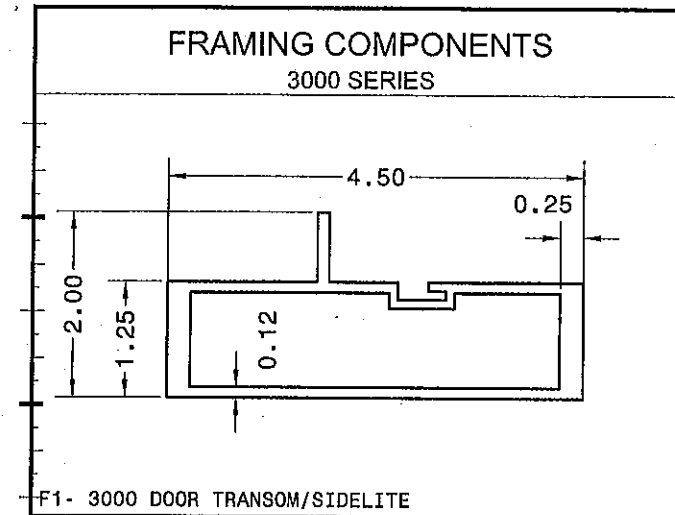
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PRODUCT:
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Resistor
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REVN	DATE/REMARKS

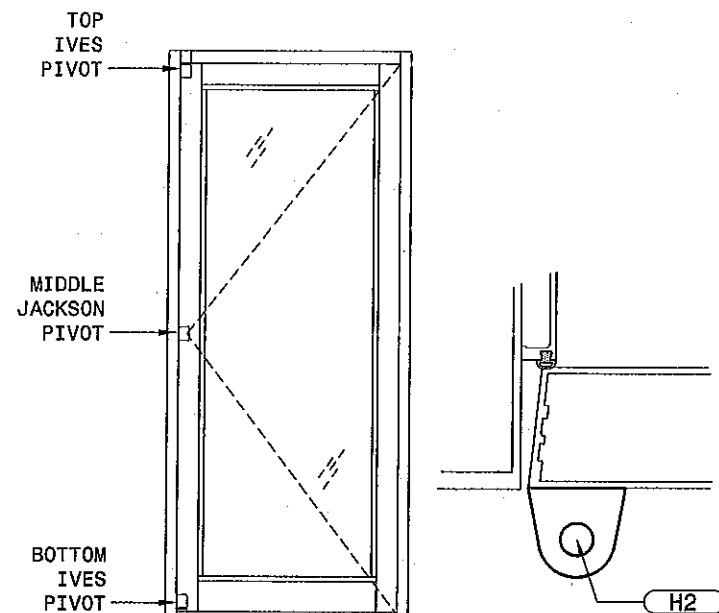
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PE 0000

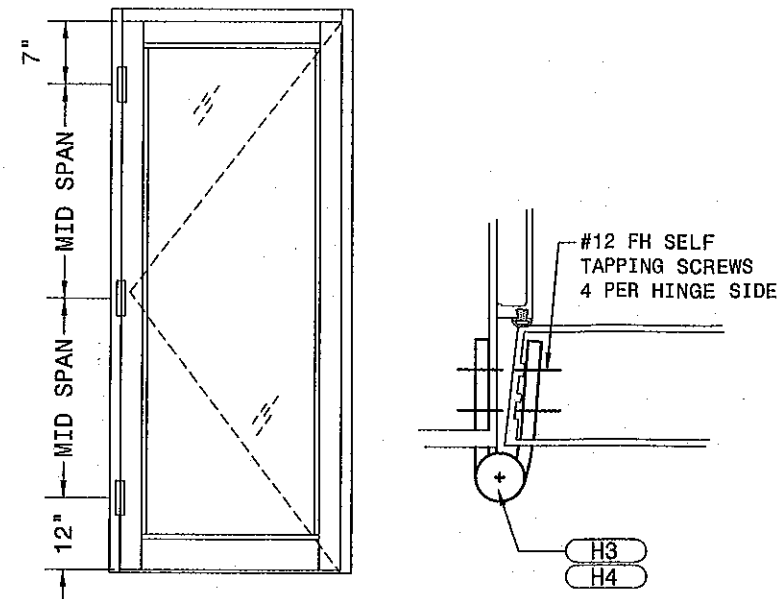
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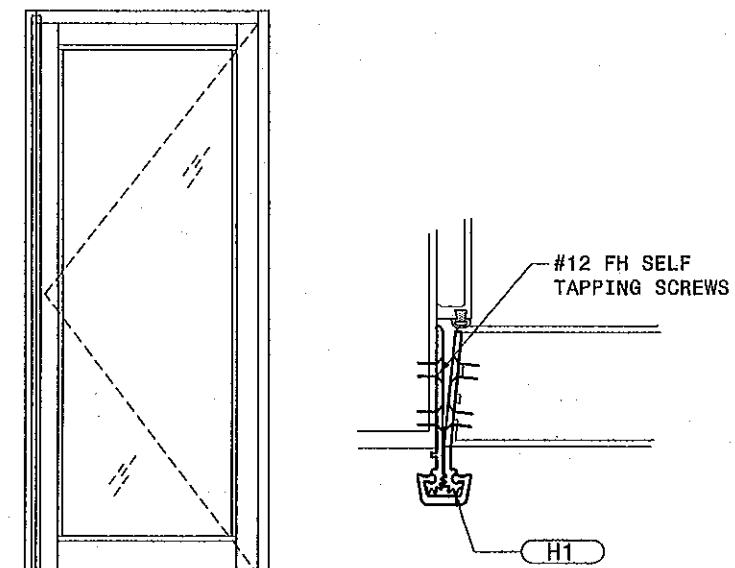
HINGE OPTIONS



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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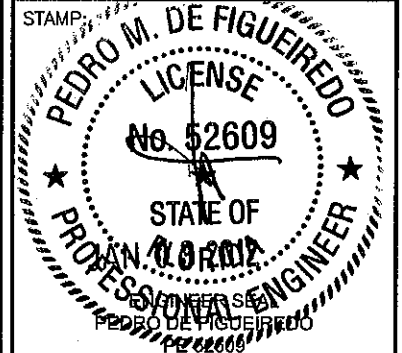
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12 OF 13

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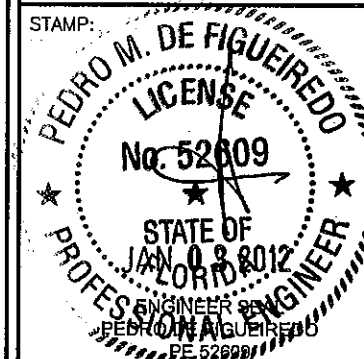
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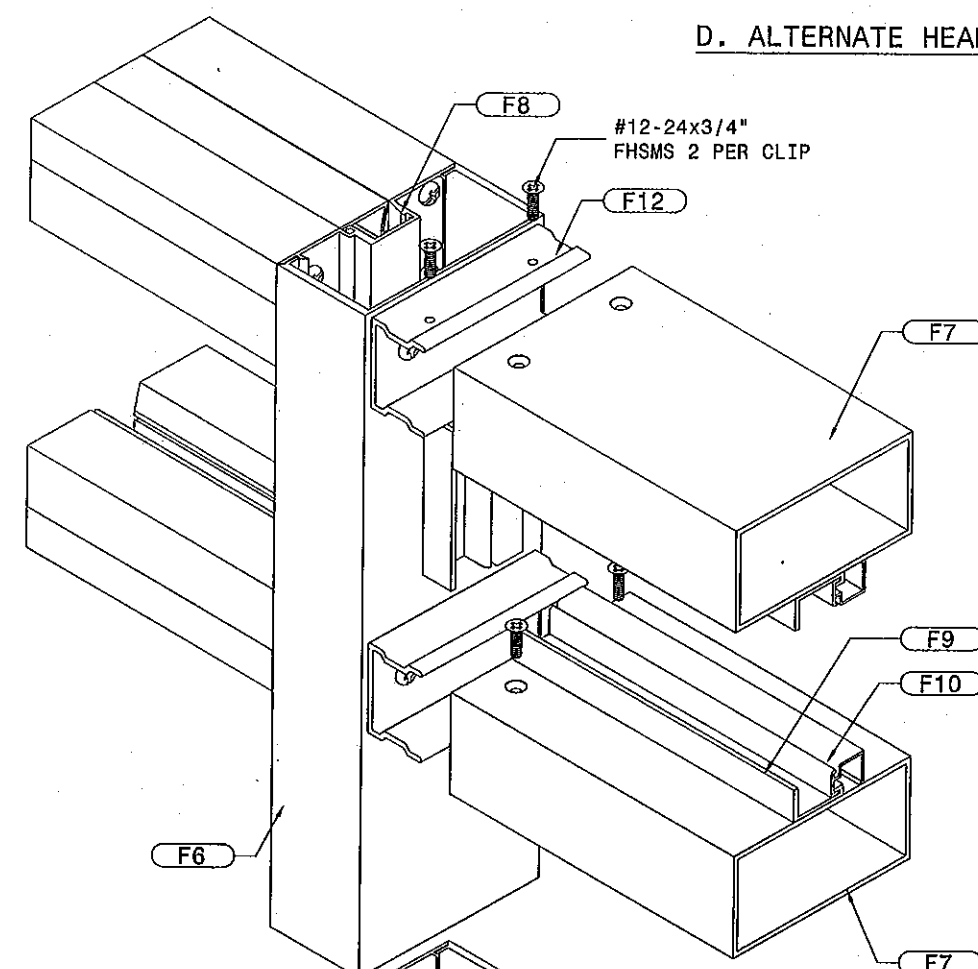
DATE: 10.10.11

DWG: 11-190

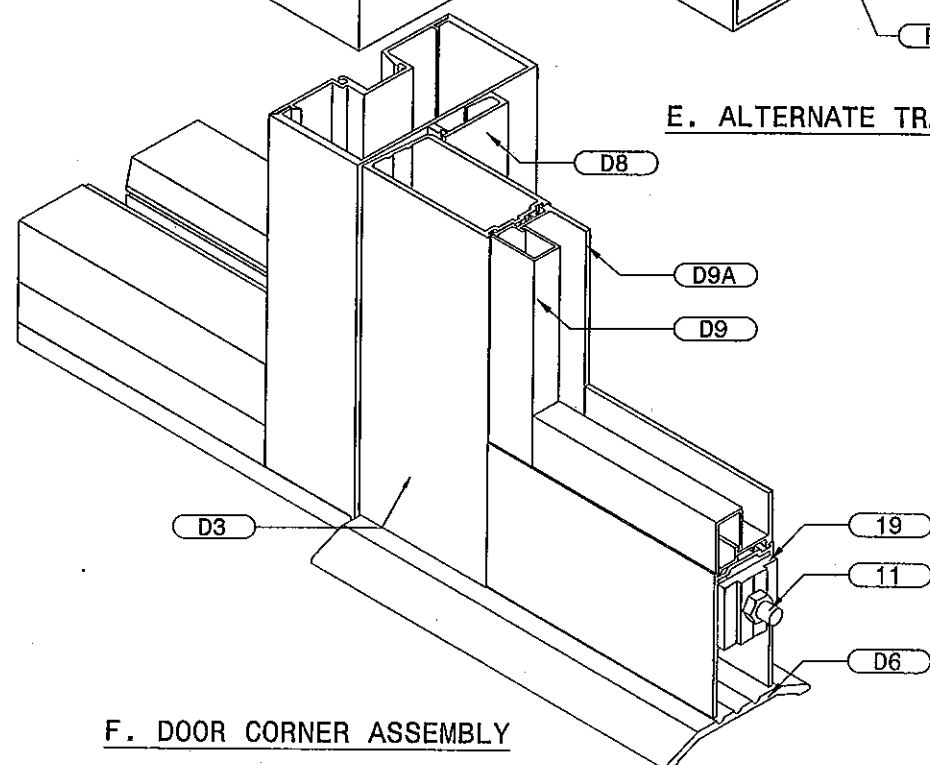
DRAWING No:

13 OF 13

D. ALTERNATE HEAD



E. ALTERNATE TRANSOM

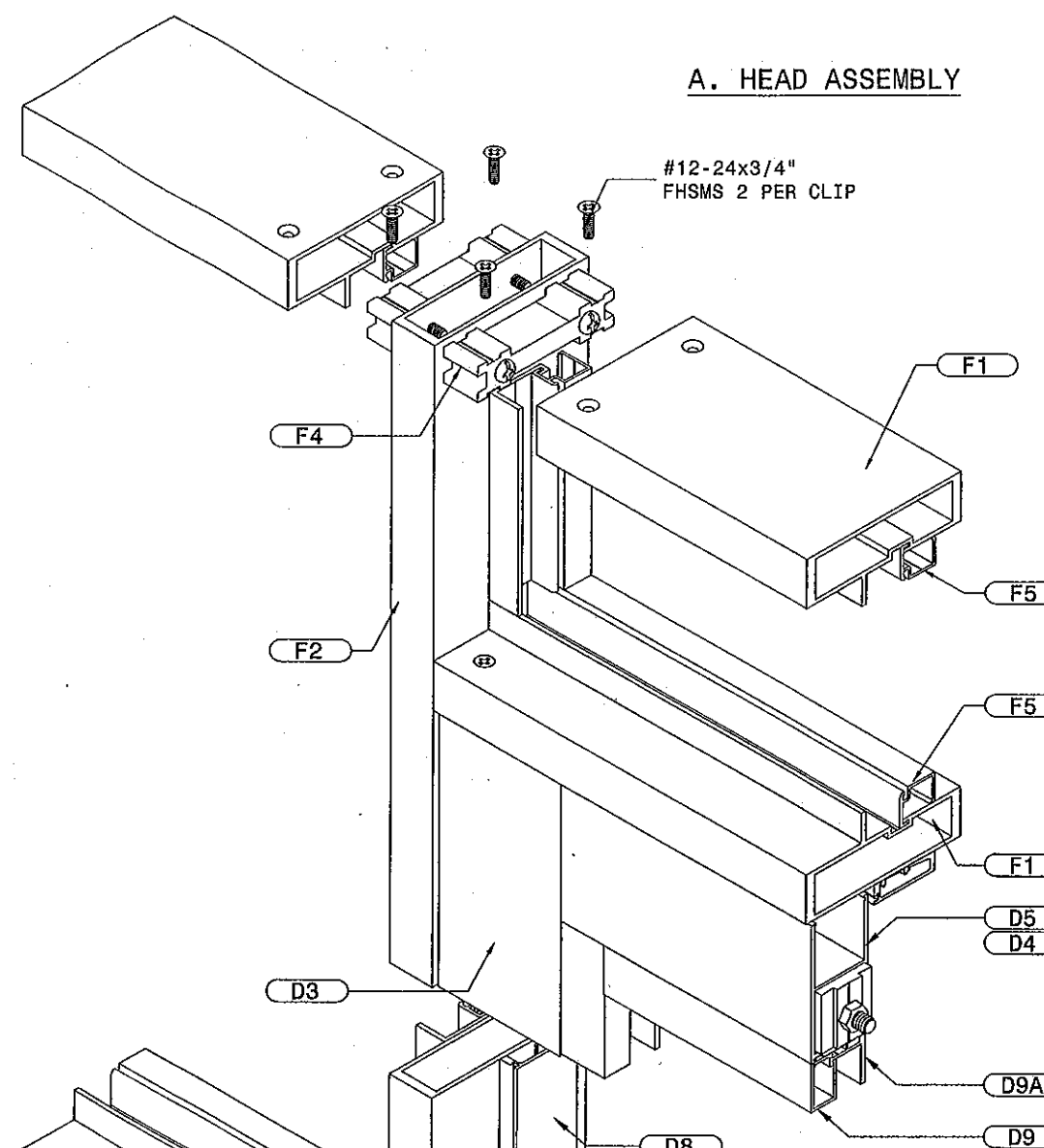


F. DOOR CORNER ASSEMBLY

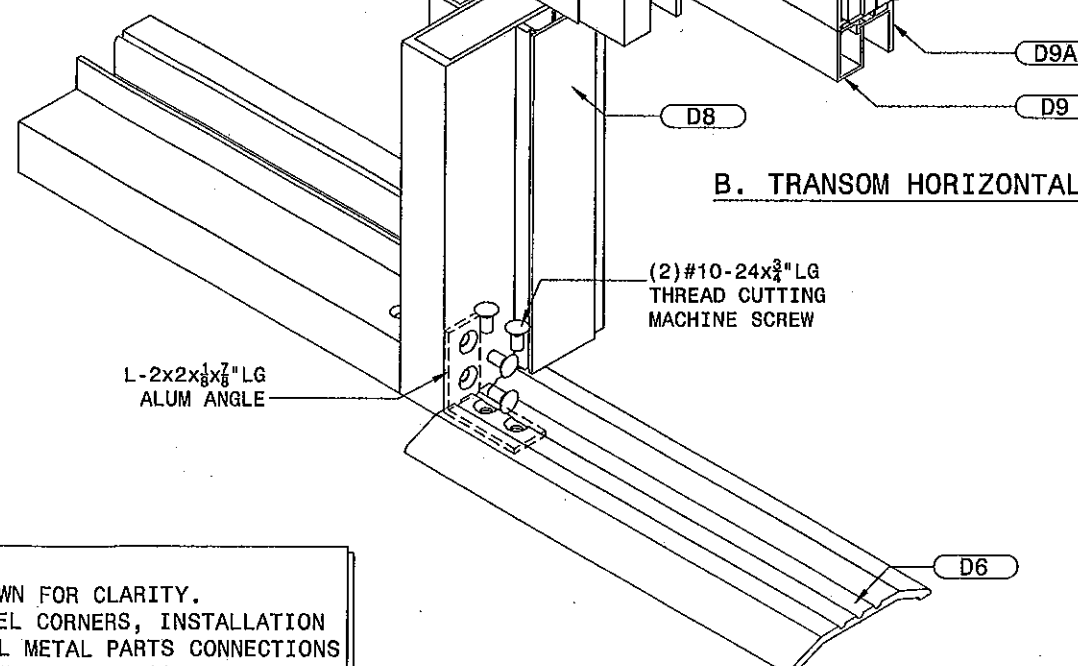
GENERAL NOTE:

1. GLASS NOT SHOWN FOR CLARITY.
2. FRAME AND PANEL CORNERS, INSTALLATION SCREWS AND ALL METAL PARTS CONNECTIONS TO BE SEALED WITH CLEAR COLORED SEALANT SCHNEE MOREHEAD 5504 OR EQUAL ALTERNATE.

A. HEAD ASSEMBLY



B. TRANSOM HORIZONTAL



L-2x2x1/2" LG
ALUM ANGLE

C. THRESHOLD CONNECTION AT MULLION DOOR JAMB