

Florida Building Commission Application #FL15843
Pair/ Single Outswing Door and Frame

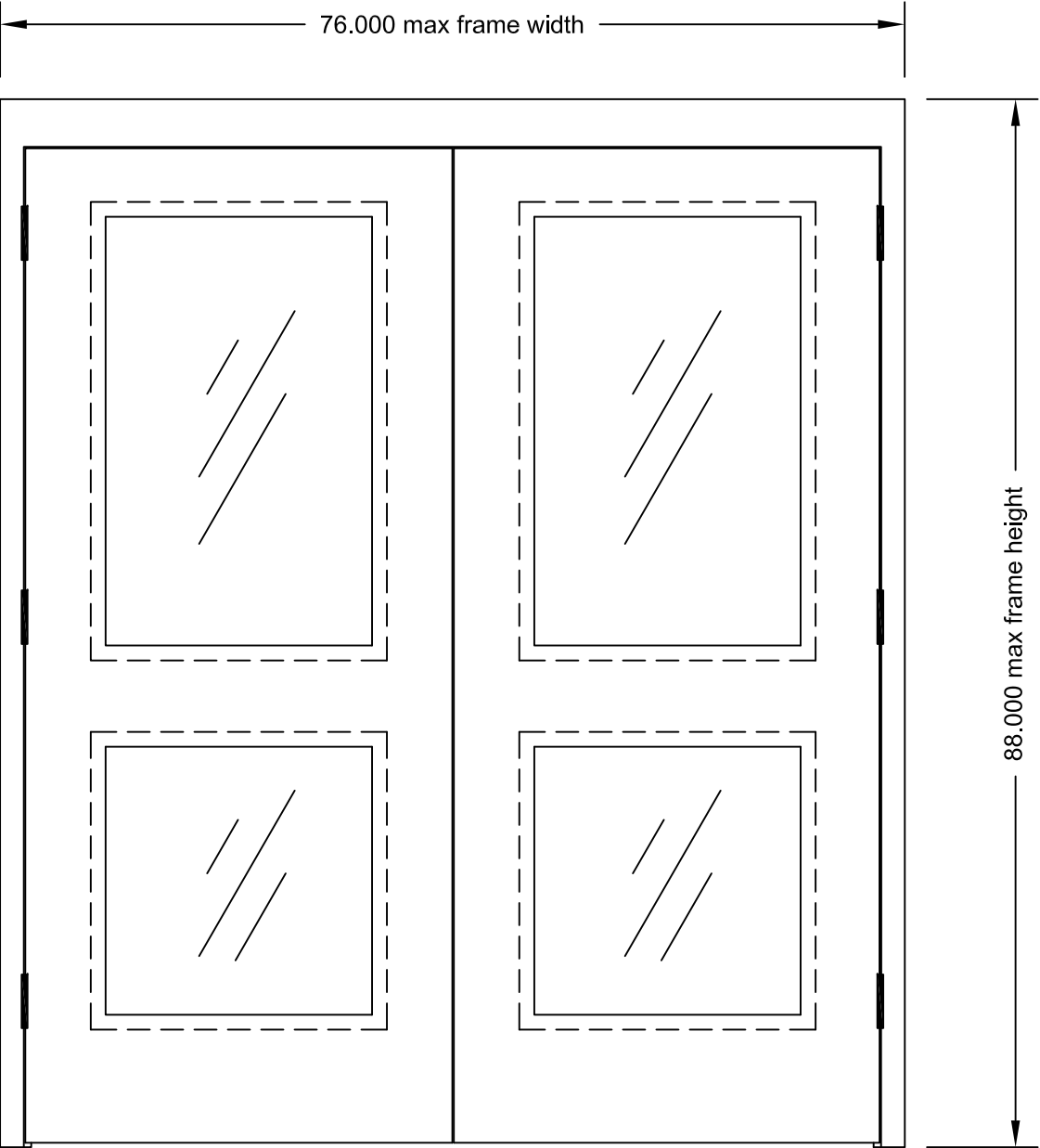
Habersham Metal Products Co., Inc.
P.O. Box 739
264 Stapleton Road
Cornelia, GA 30531

Design Pressure Rating Where Water Requirements is not Needed	Impact Rating
+ 104 psf , -104 psf with Masonry Straps + 104 psf , -104 psf Hilti Anchors and Nelson Studs	TAS 201 Large Missile Impact TAS 203 Cyclic Loading Rating is in Accordance with ITS Test Report #3076273, Dated January 13, 2006, Signed and Sealed by Mr. Rick Curkeet, P.E. Florida Registration #60450

Where Water Infiltration Requirements is Needed	Where Water Infiltration Requirements is not Needed
+70 psf TAS 202 Paragraph 5.2.6	+104 psf TAS 202
Rating is in Accordance with ITS Test Report #3076273, Dated January 13, 2006, Signed and Sealed by Mr. Rick Curkeet, P.E. Florida Registration #60450	

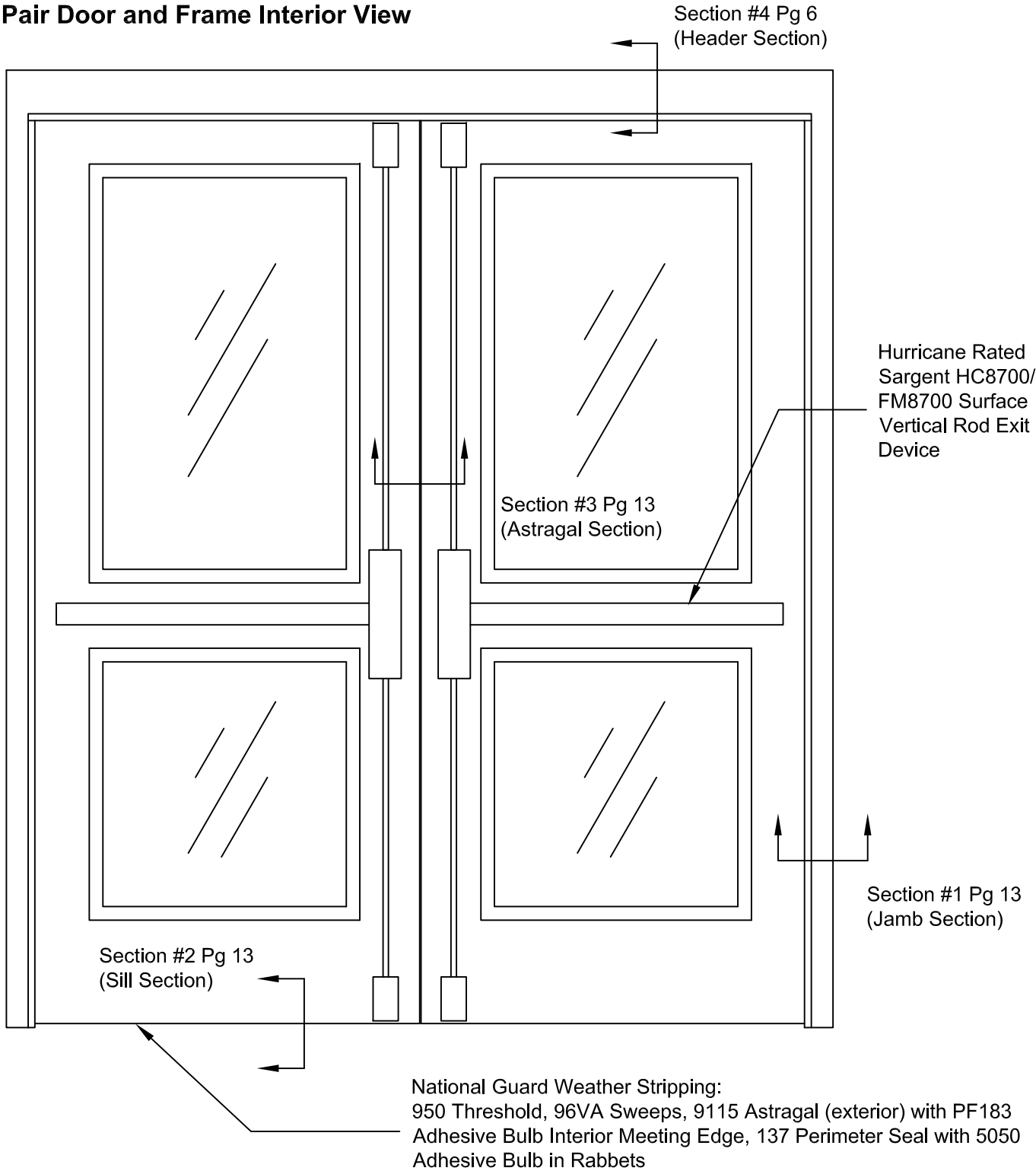
Drawing Index

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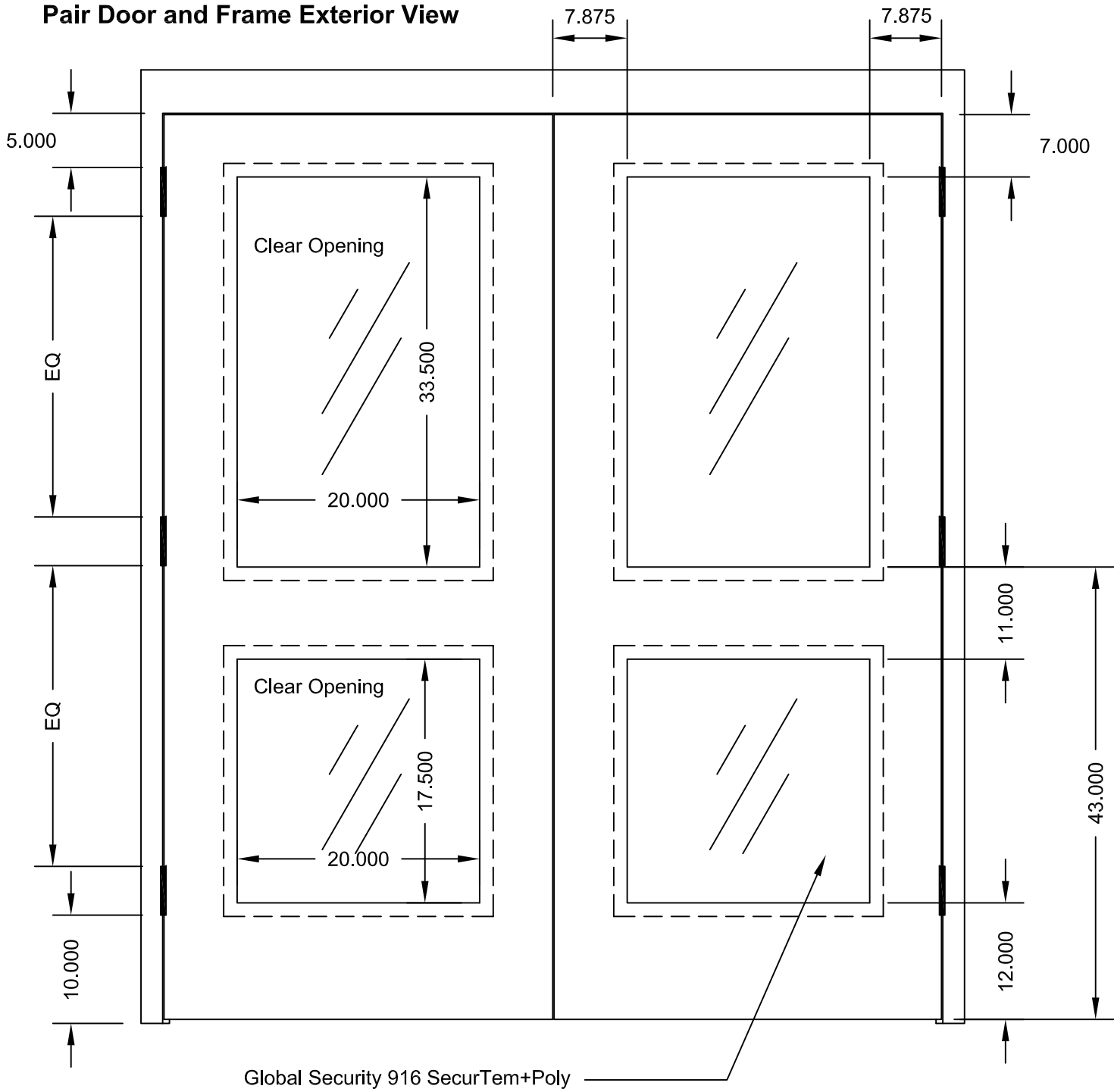


Drawn by: JSIII	Checked by: JSIII	Habersham Metal Products Co., Inc.  Engineered Steel Doors and Frames 264 Stapleton Rd Cornelia, GA 30531 (706)778-2212 FX: (706)778-2769 e-mail: hmpco@habershammetal.com	Project Name: Florida Building Commission- Pair/ Single Outswing Door and Frame	 
Date: 8-17-12	Page: 1 of 13		Job Number: FBC Application # FL15843	
Scale:				

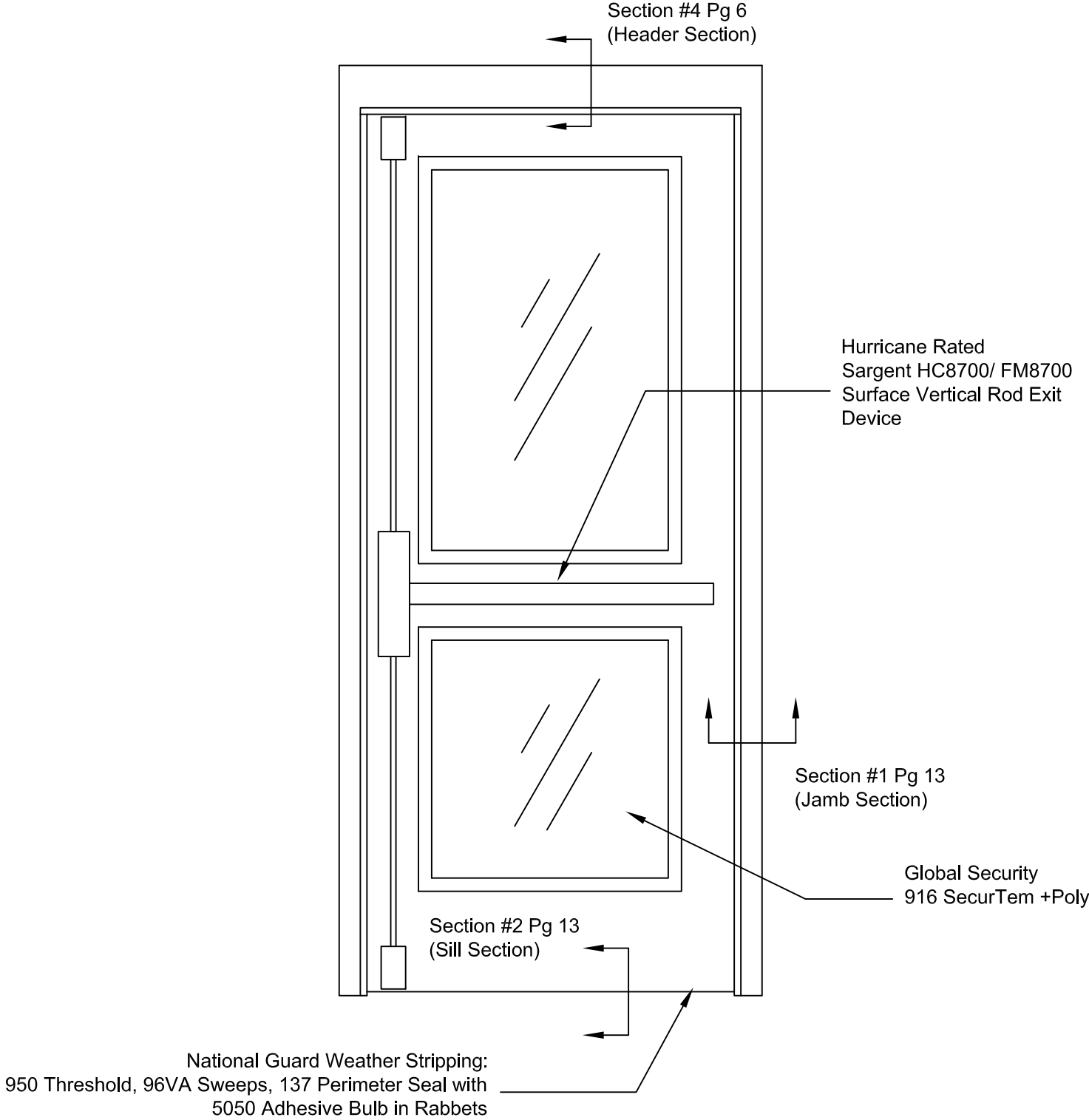
Pair Door and Frame Interior View



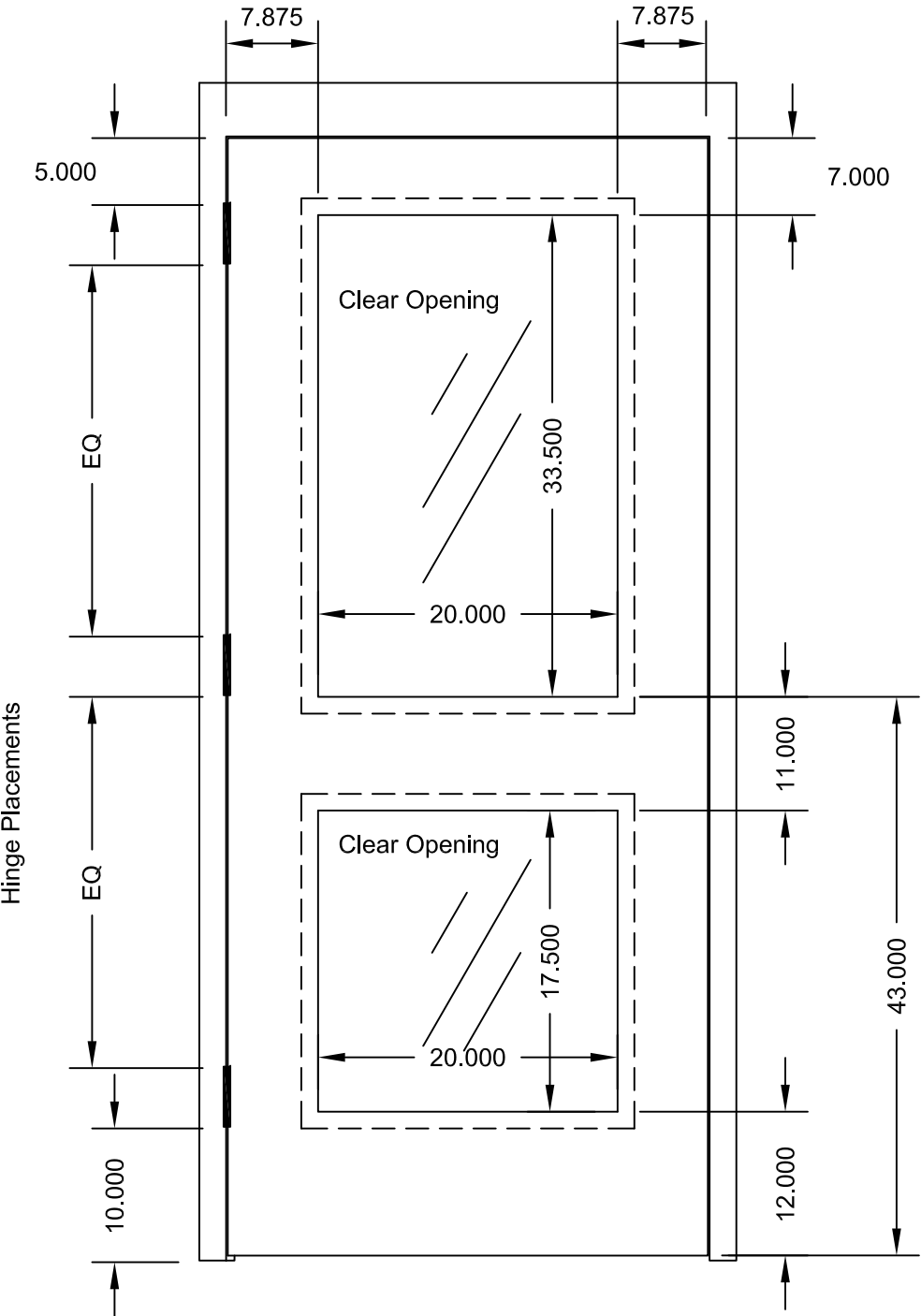
Pair Door and Frame Exterior View



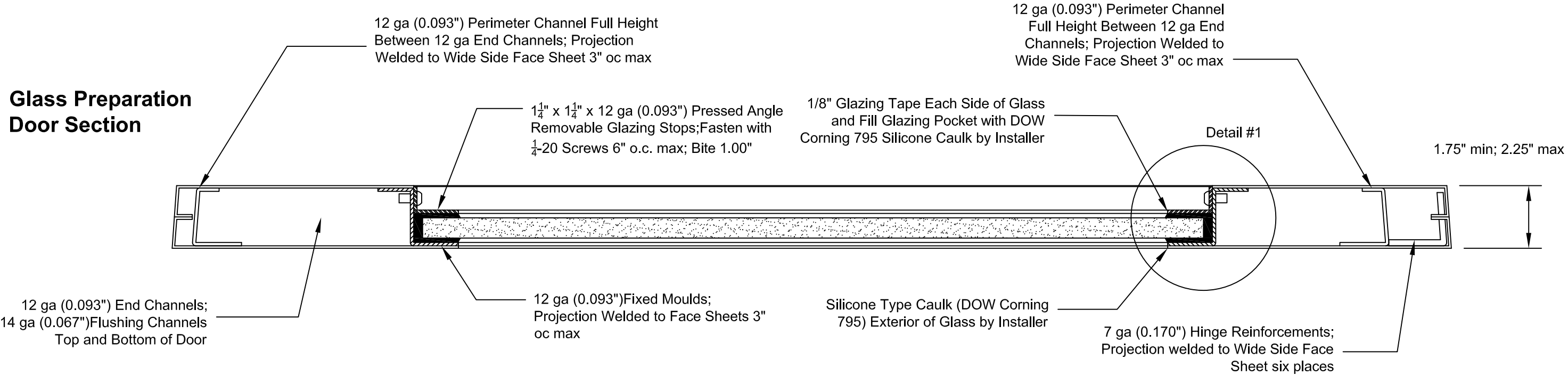
Single Door and Frame Interior View



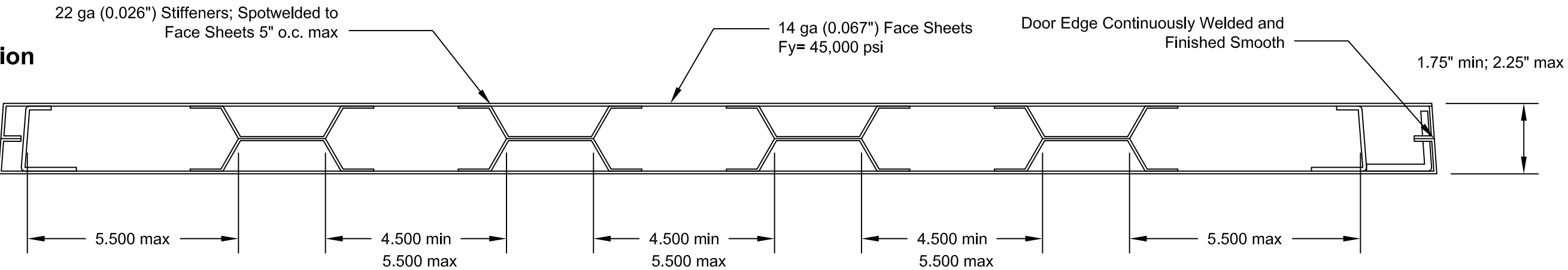
Single Door and Frame Exterior View



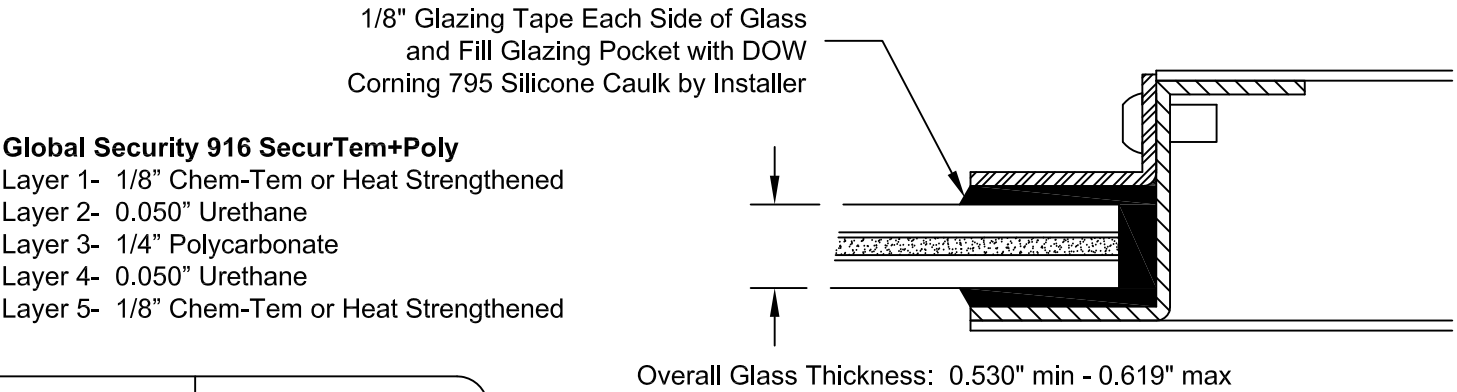
Glass Preparation
Door Section



Flush Door Section



Detail#1: Glazing Pocket



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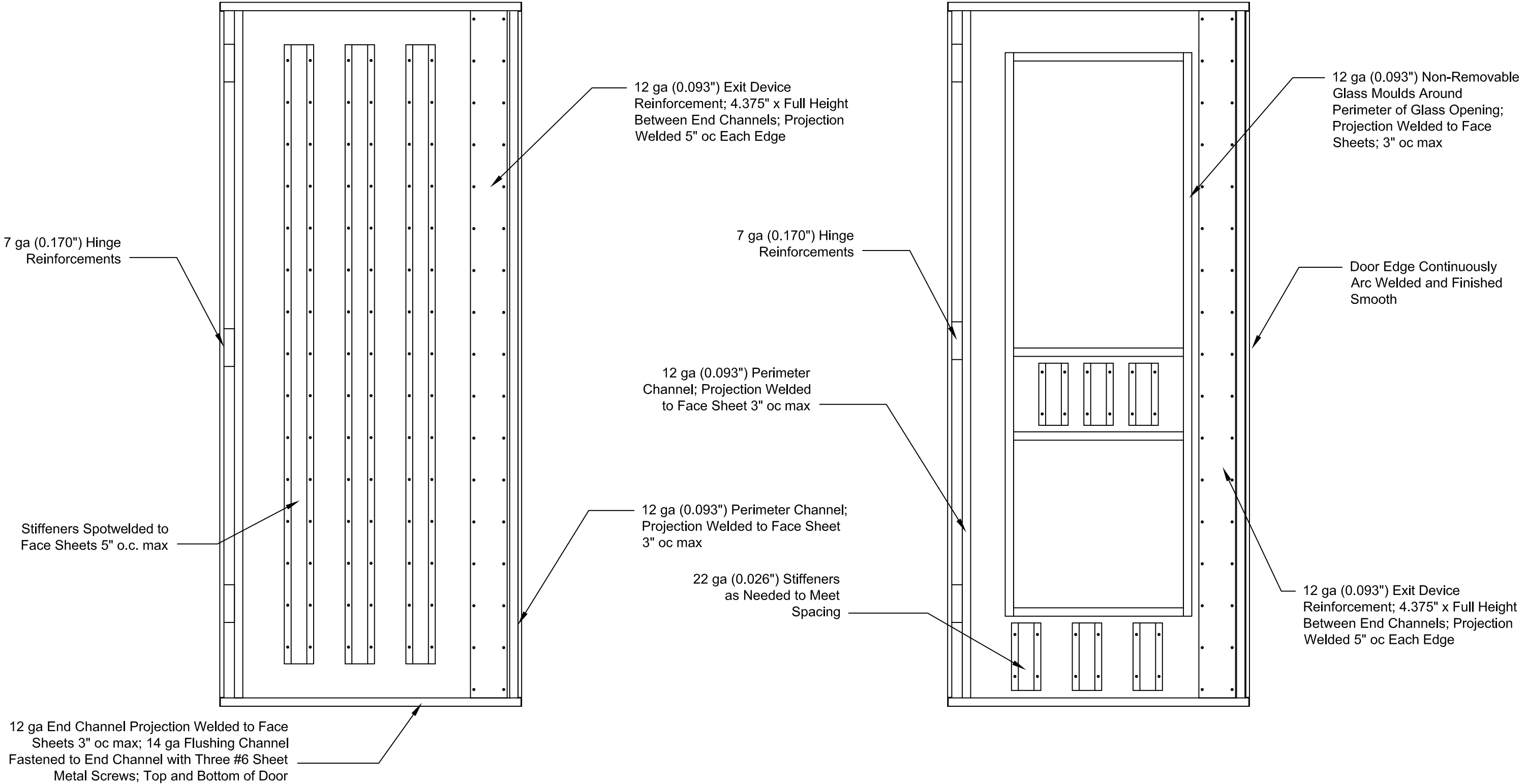
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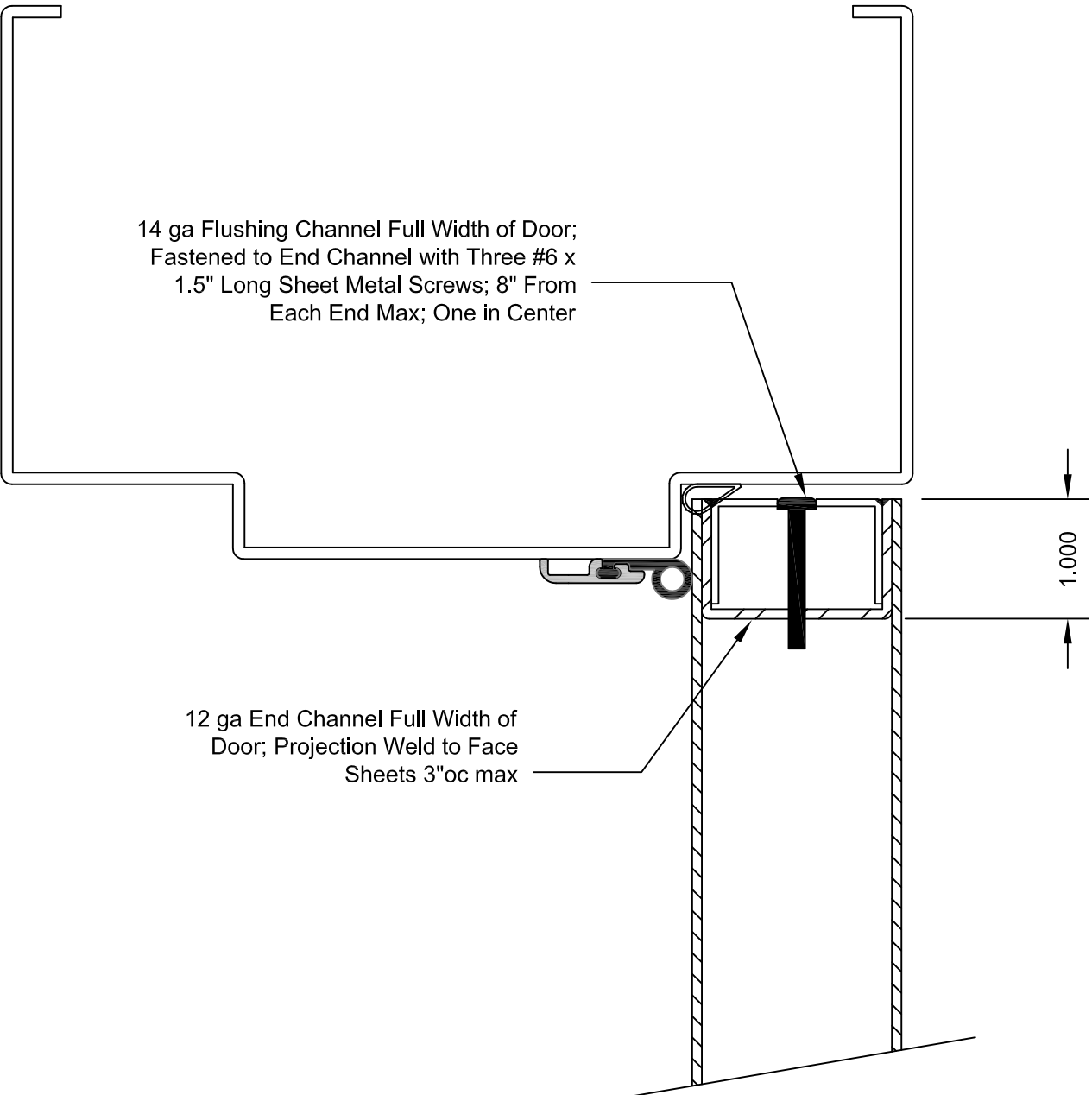


Vertical Section Flush Door

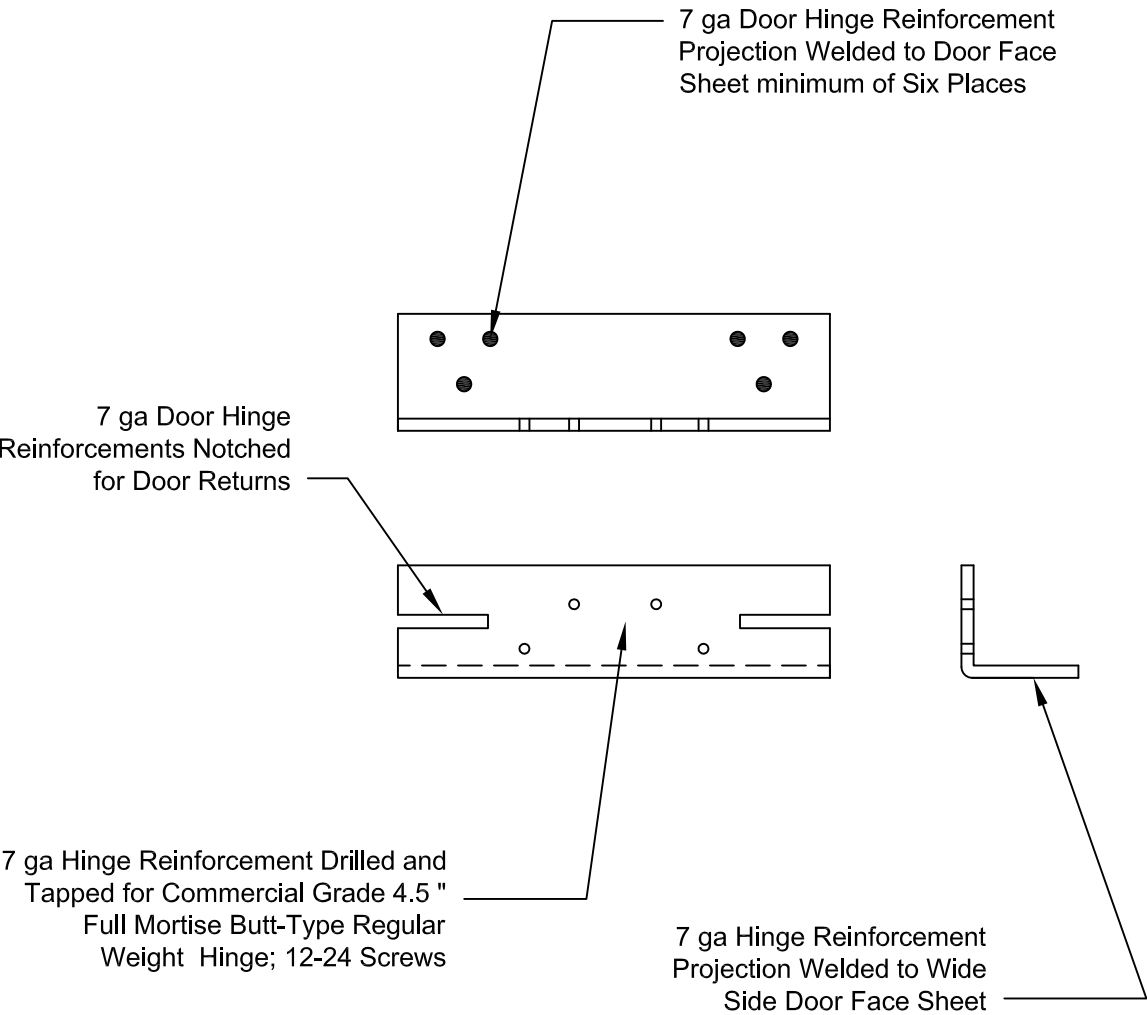
Vertical Section 2PG Door



Section #4 (Header Section)
Door End Channel and Flushing Channel
Section Detail- Top and Bottom of Door



Door Hinge Reinforcement



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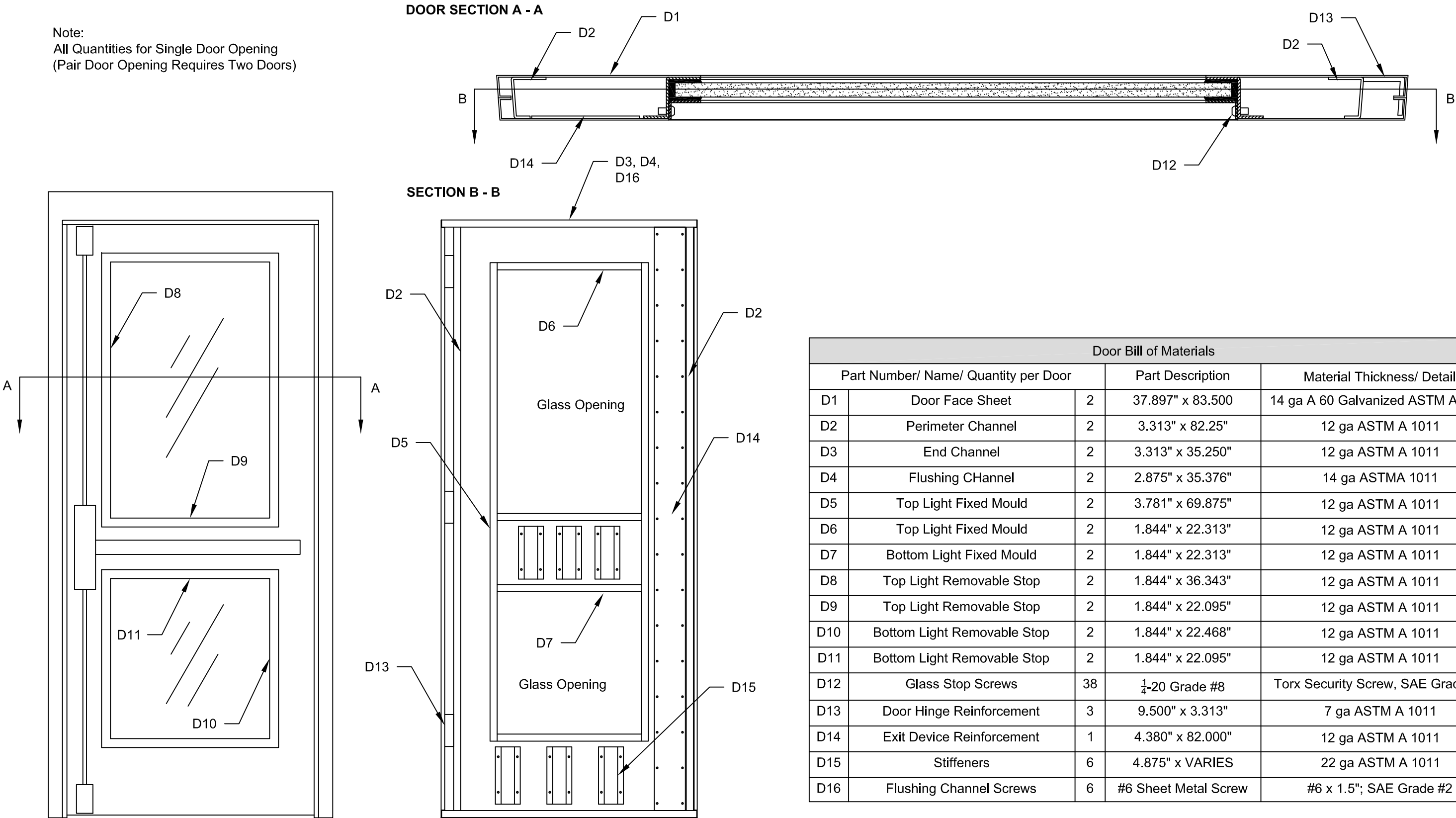
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National Association of
Architectural Metal Manufacturers
MEMBER



Note:
All Quantities for Single Door Opening
(Pair Door Opening Requires Two Doors)



Door Bill of Materials				
Part Number/ Name/ Quantity per Door			Part Description	Material Thickness/ Detail
D1	Door Face Sheet	2	37.897" x 83.500	14 ga A 60 Galvanized ASTM A 1011
D2	Perimeter Channel	2	3.313" x 82.25"	12 ga ASTM A 1011
D3	End Channel	2	3.313" x 35.250"	12 ga ASTM A 1011
D4	Flushing CHannel	2	2.875" x 35.376"	14 ga ASTMA 1011
D5	Top Light Fixed Mould	2	3.781" x 69.875"	12 ga ASTM A 1011
D6	Top Light Fixed Mould	2	1.844" x 22.313"	12 ga ASTM A 1011
D7	Bottom Light Fixed Mould	2	1.844" x 22.313"	12 ga ASTM A 1011
D8	Top Light Removable Stop	2	1.844" x 36.343"	12 ga ASTM A 1011
D9	Top Light Removable Stop	2	1.844" x 22.095"	12 ga ASTM A 1011
D10	Bottom Light Removable Stop	2	1.844" x 22.468"	12 ga ASTM A 1011
D11	Bottom Light Removable Stop	2	1.844" x 22.095"	12 ga ASTM A 1011
D12	Glass Stop Screws	38	$\frac{1}{4}$ -20 Grade #8	Torx Security Screw, SAE Grade #8
D13	Door Hinge Reinforcement	3	9.500" x 3.313"	7 ga ASTM A 1011
D14	Exit Device Reinforcement	1	4.380" x 82.000"	12 ga ASTM A 1011
D15	Stiffeners	6	4.875" x VARIES	22 ga ASTM A 1011
D16	Flushing Channel Screws	6	#6 Sheet Metal Screw	#6 x 1.5"; SAE Grade #2

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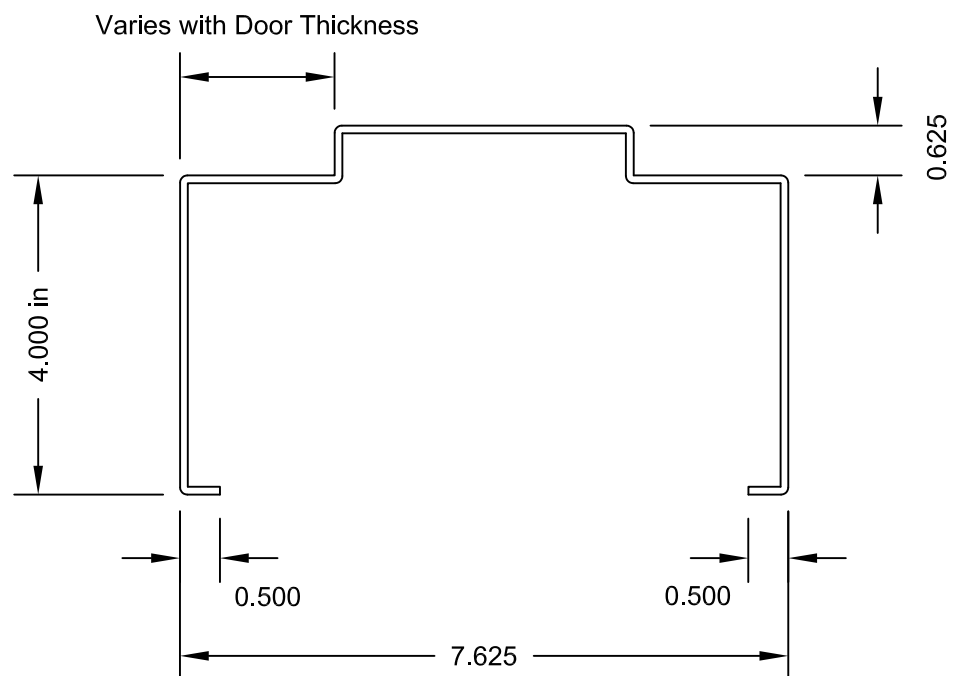
FBC Application # FL15843



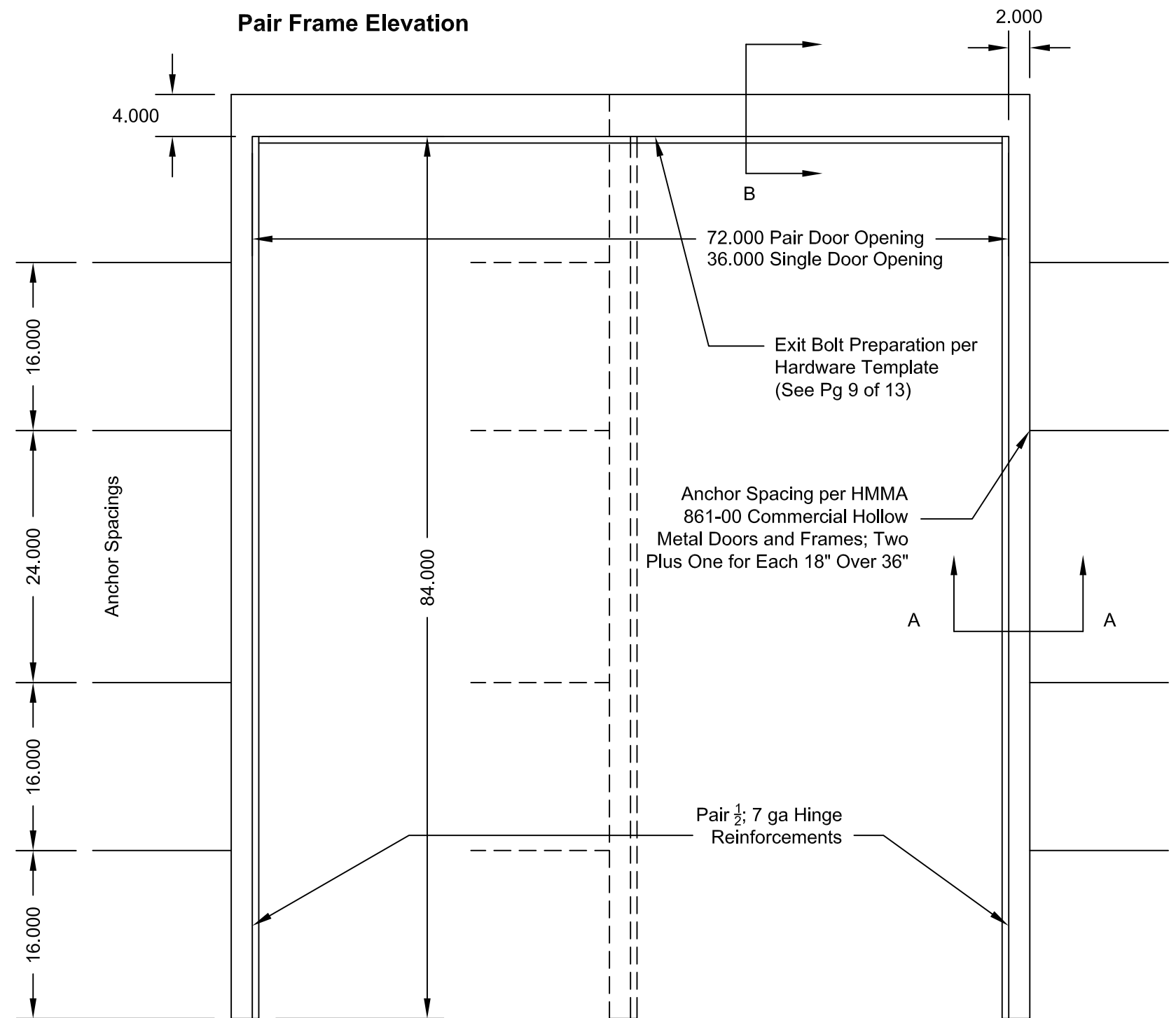
Section A - A



Section B - B



Pair Frame Elevation



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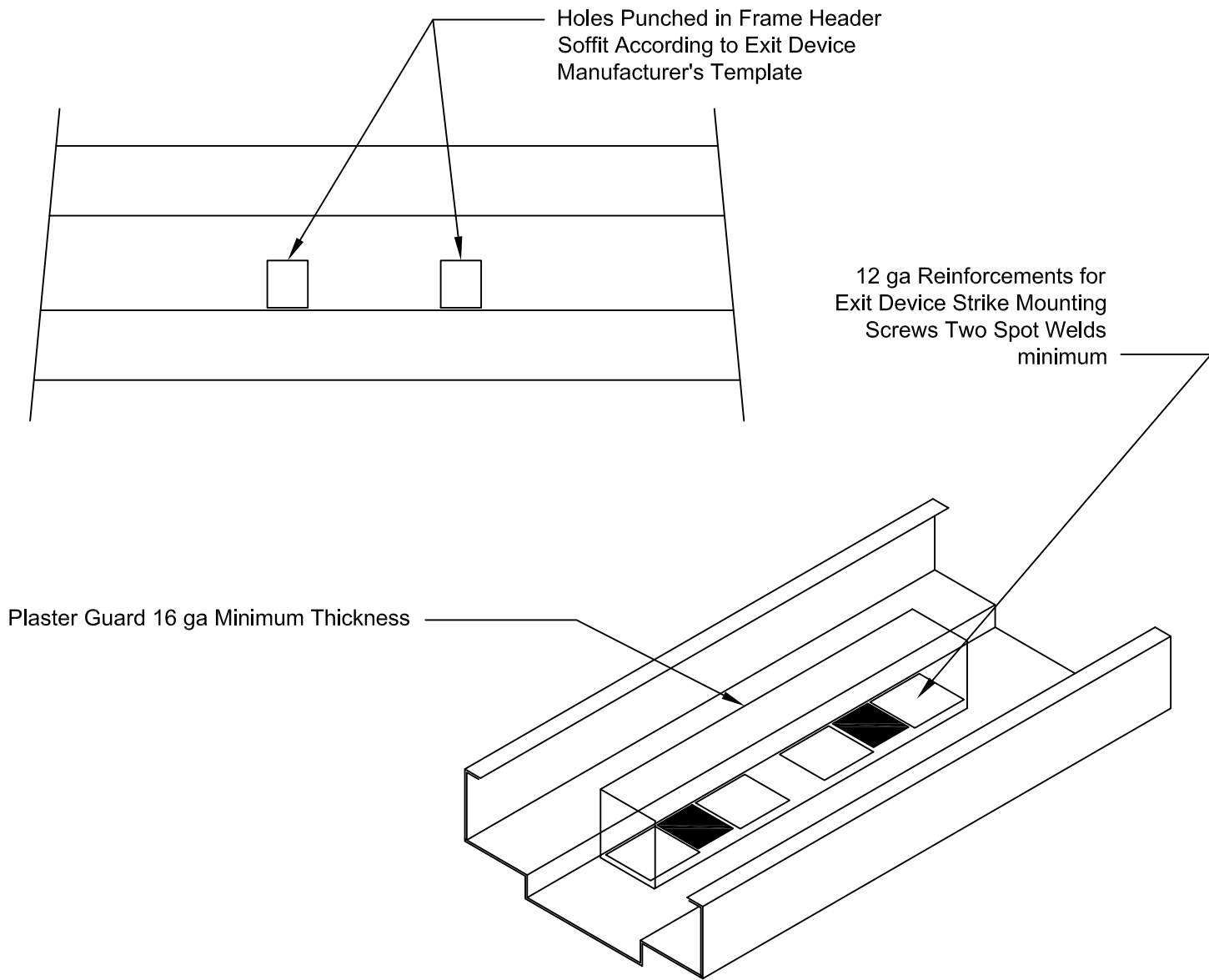
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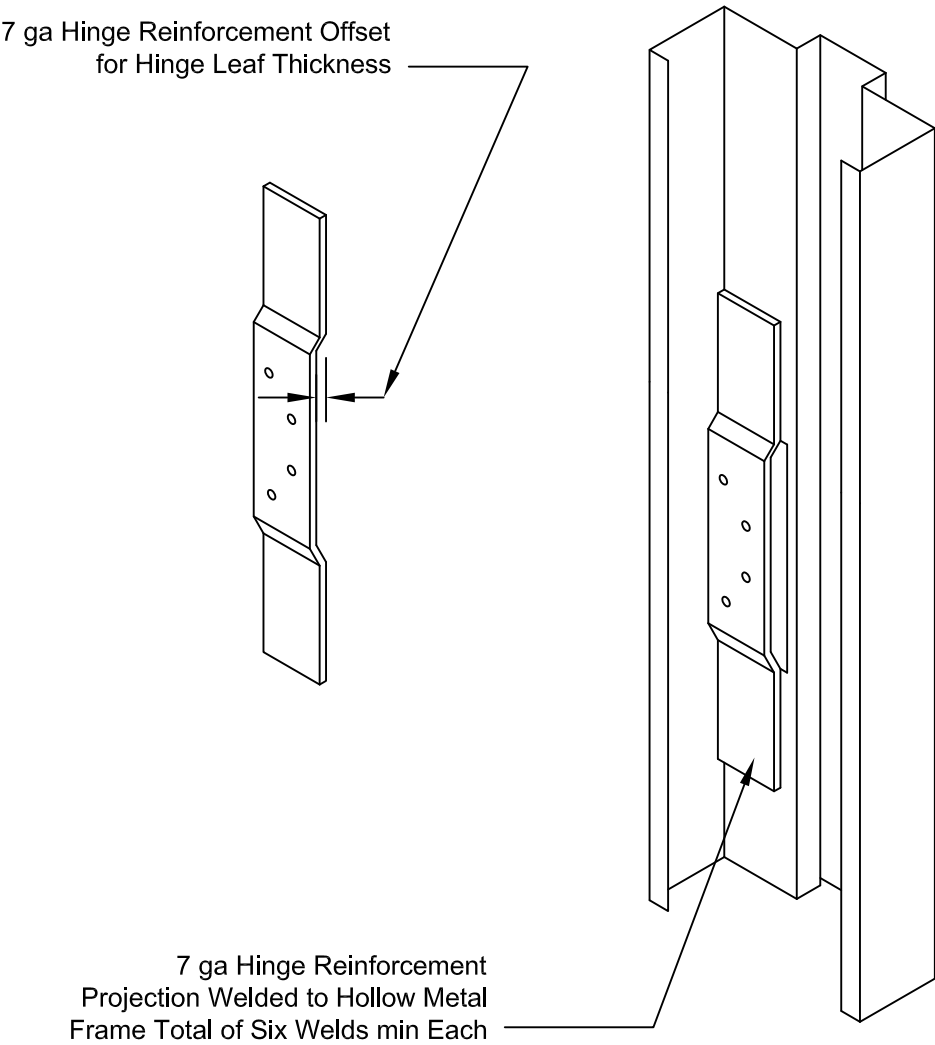
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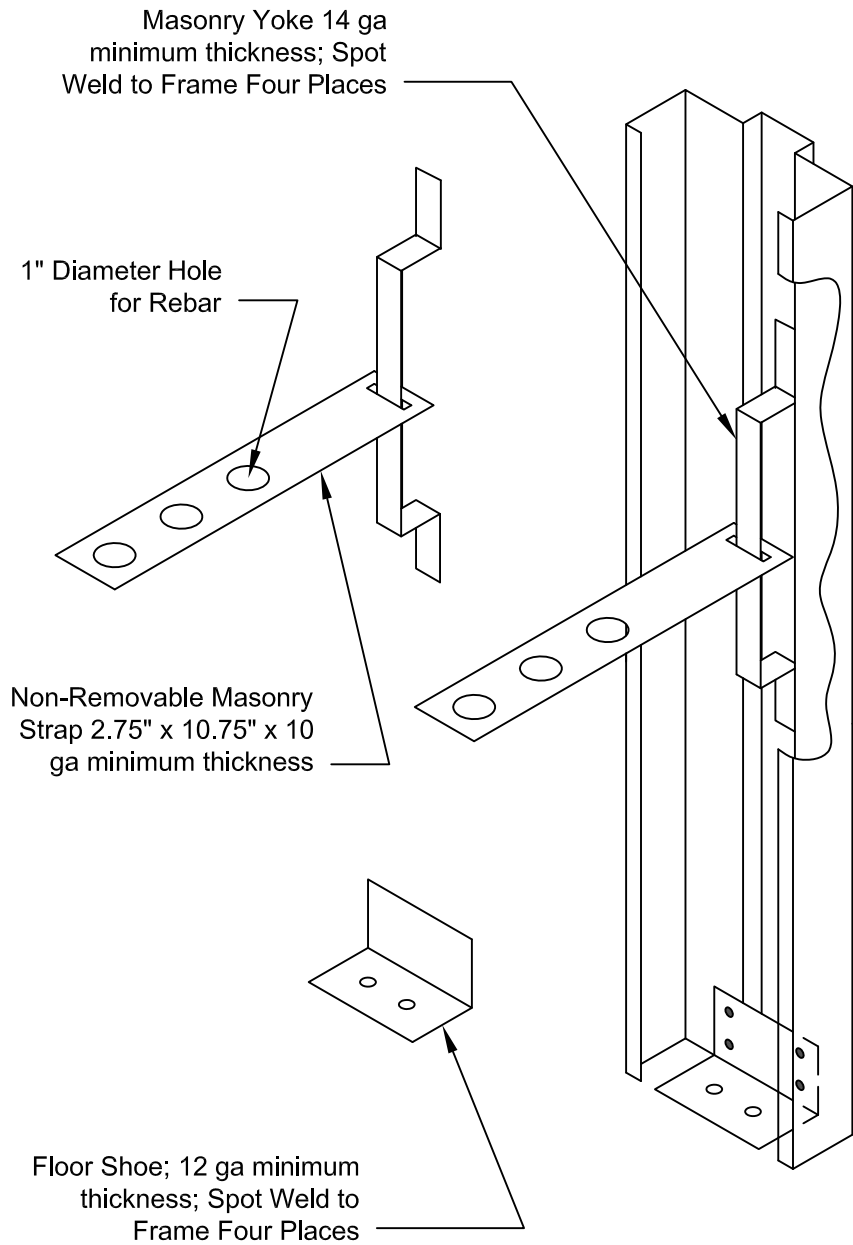
Frame Header Exit Device Preparation
(Pair Doors)



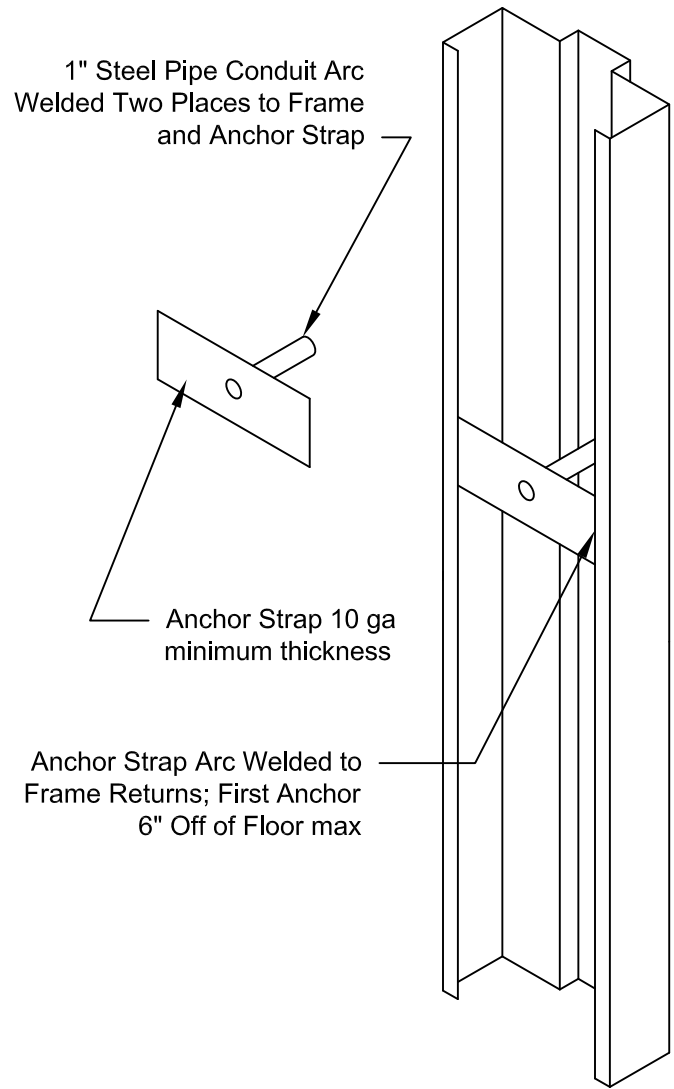
Frame Hinge Reinforcement



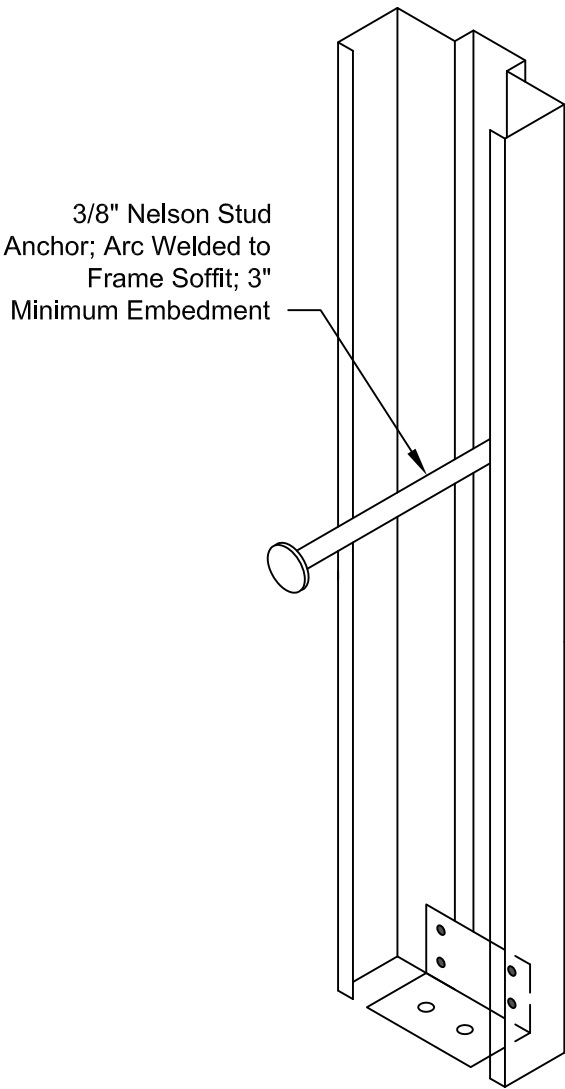
**Non- Removable Masonry Yoke and Strap
(No Head Anchors)**



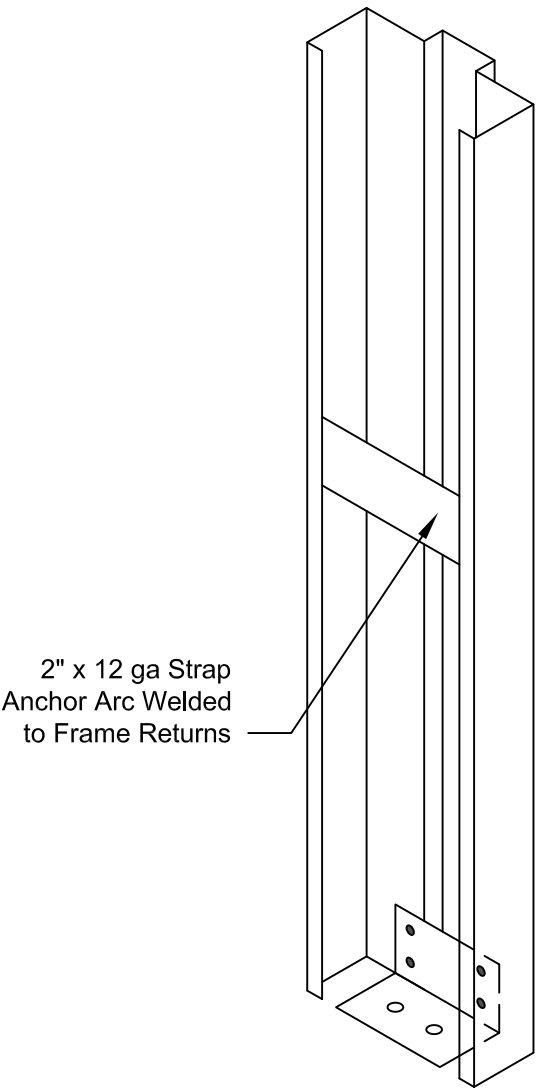
**Expansion Bolt Anchor for Existing Masonry
(No Head Anchors)**



Nelson Stud Anchor for Cast in Place Masonry



Strap Anchor for Cast in Place Masonry



- * $\frac{3}{8}$ " Hilti HIT HY 150 MAX Injection Anchor- 3.5" Min Embedment
- * $\frac{3}{8}$ " Hilti Carbon Steel Kwik Bolt 3 Expansion Anchor -1.625" Minimum Embedment

Anchor Spacing per HMMA 861-06 Commercial Hollow Metal Doors and Frames; Two Plus One for Each 18" over 36"; 16" From Floor Max

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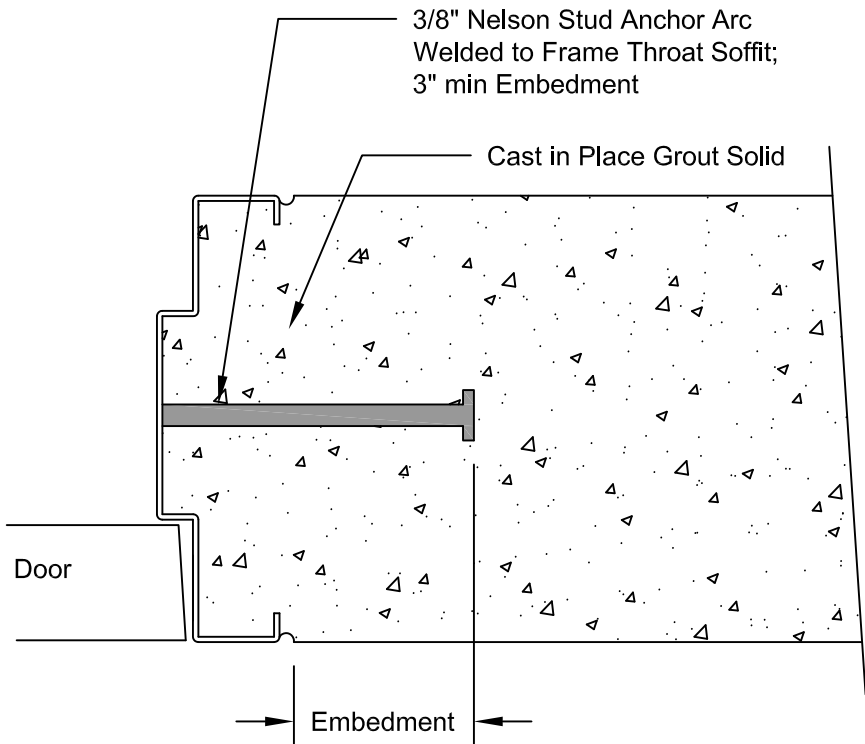
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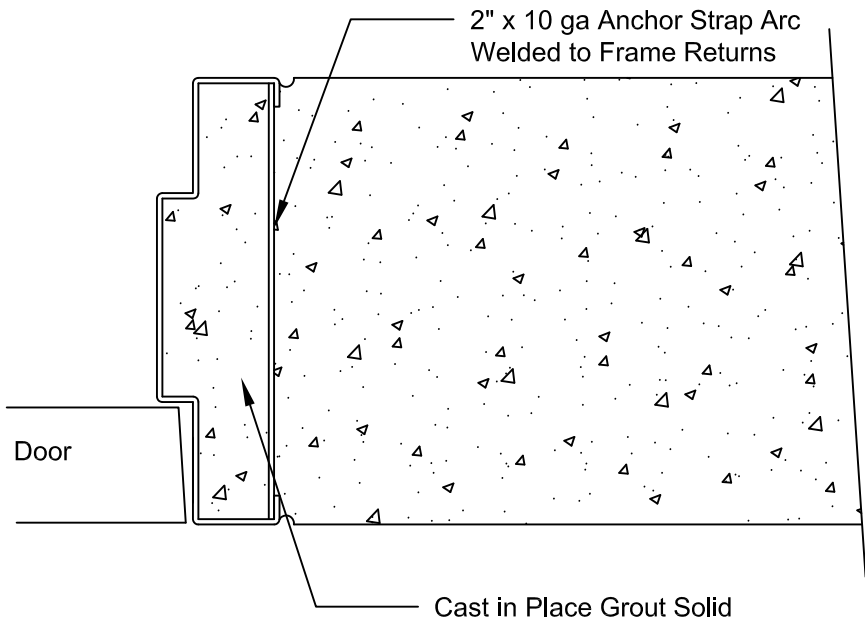


Frame Anchor Details

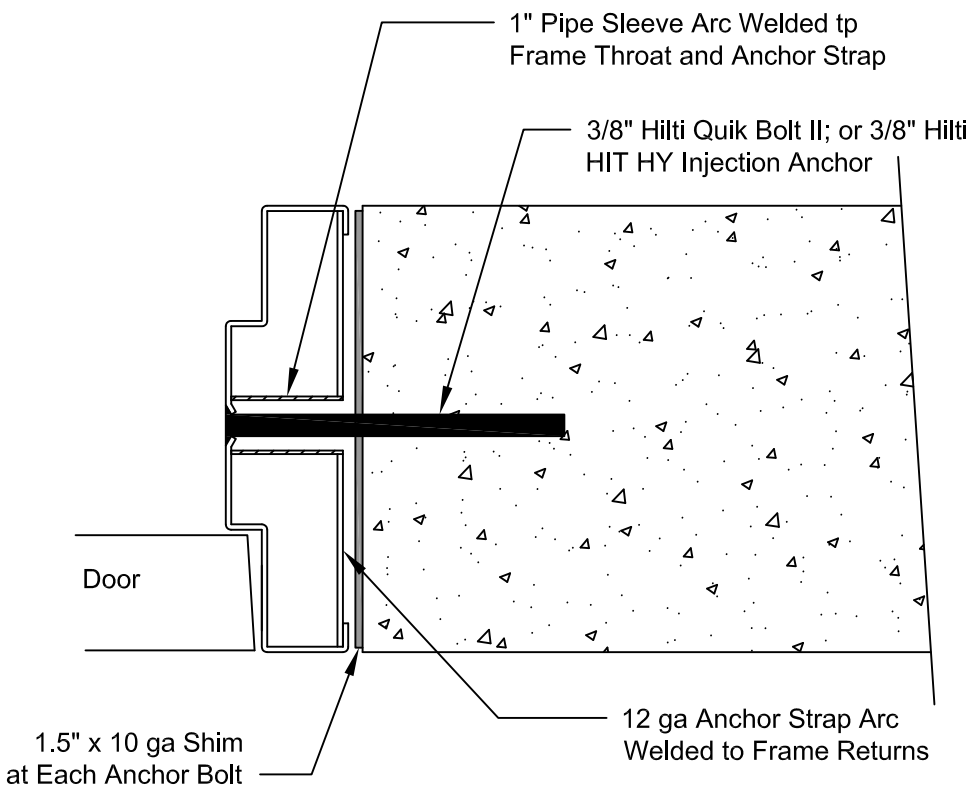
Nelson Stud Anchor for Cast in Place Masonry
(No Head Anchors)



Strap Anchor for Cast in Place Masonry
(No Head Anchors)

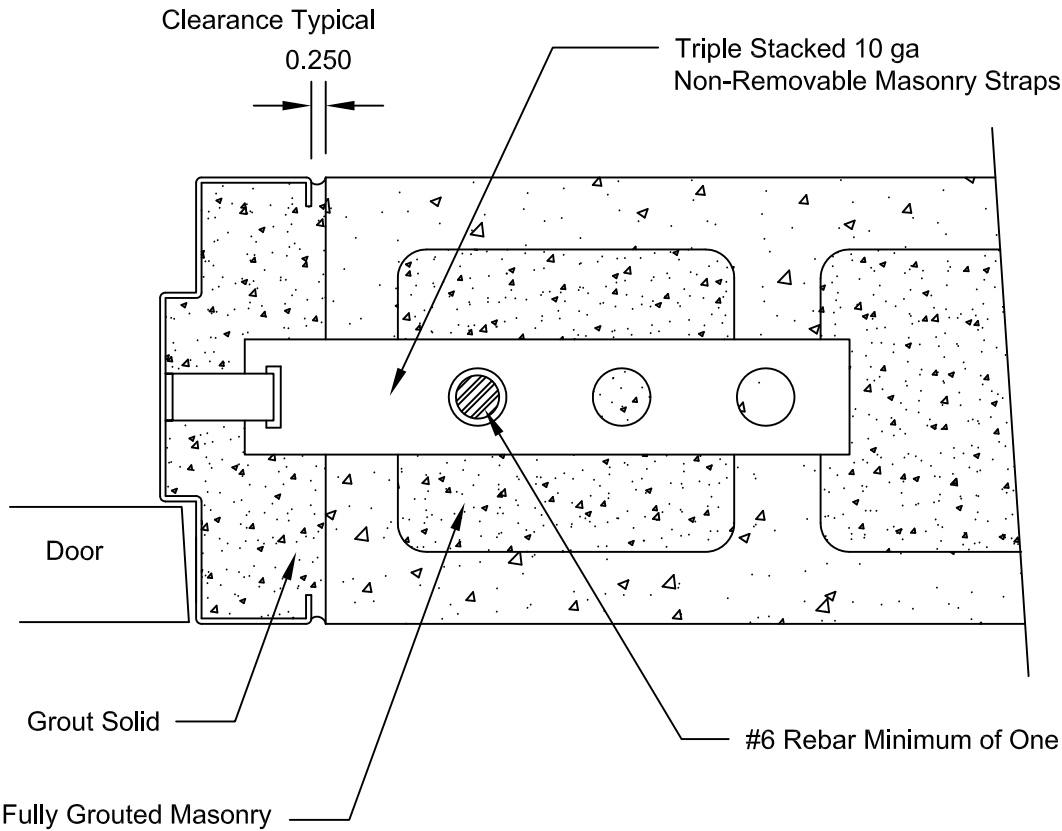


Expansion Bolt Anchor for Existing Masonry
(No Head Anchors)

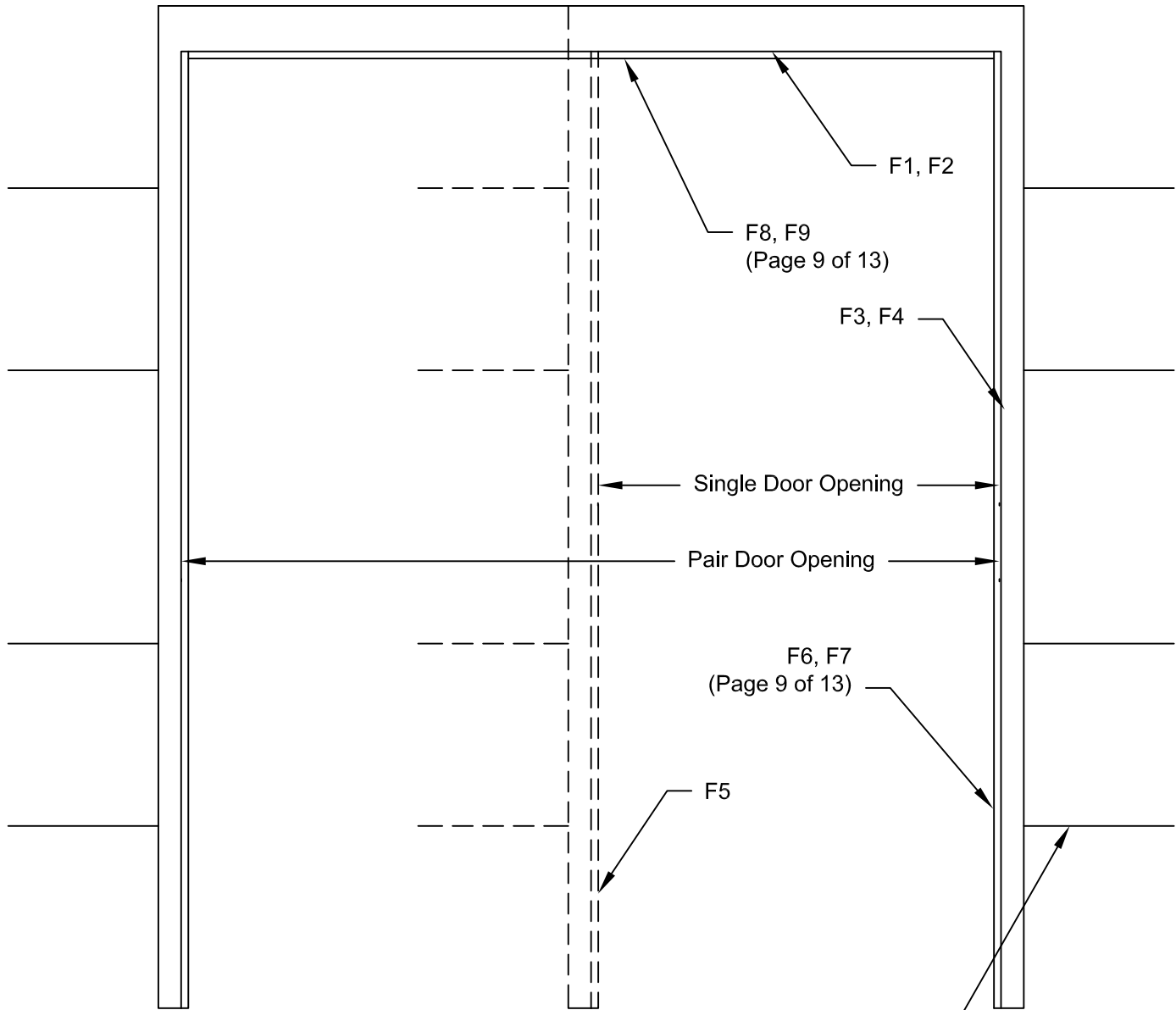


- * 3/8" Hilti HIT HY 150 MAX Injection Anchor- 3.5" Min Embedment
- * 3/8" Hilti Carbon Steel Kwik Bolt 3 Expansion Anchor -1.625" Minimum Embedment

Non- Removable Masonry Yoke and Strap
(No Head Anchors)



Anchor Spacing per HMMA 861-06 Commercial Hollow Metal Doors and Frames; Two Plus One for Each 18" over 36"; 16" From Floor Max



F10, F11 Masonry Strap Anchor
* F12, F13 Expansion Bolt Masonry
** F14, F15 Precast Anchor
(Page 10, 11 of 13)

Frame Bill of Materials				
Part Number/ Name/ Quantity per Door Opening			Part Description	Material Thickness/ Detail
F1	Frame Header Single Door Opening	1	15.121" x 39.875"	14 ga ASTM A 1011 CS Type B; A60 Galv
F2	Frame Header Pair Door Opening	1	15.121" x 75.875"	14 ga ASTM A 1011 CS Type B; A60 Galv
F3	Frame Hinge Jamb Single Door Opening	1	11.121" x 87.938"	14 ga ASTM A 1011 CS Type B; A60 Galv
F4	Frame Hinge Jamb Pair Door Opening	2	11.121" x 87.938"	14 ga ASTM A 1011 CS Type B; A60 Galv
F5	Frame Strike Jamb Single Door Opening	1	11.121" x 87.938"	14 ga ASTM A 1011 CS Type B; A60 Galv
F6	Frame Hinge Reinforcement (Pair Door Opening 2X)	3	1.5" x 10"	7 ga ASTM A1011 CS Type B
F7	Hinge Plaster Guard (Pair Door opening 2X)	3	15" x 3.375"	20 ga ASTM A1011 CS Type B
F8	Frame Exit Bolt Reinforcement (Pair Door Opening 2X)	2	1.75" x 2"	12 ga ASTM A1011 CS Type B
F9	Frame Exit Bolt Plaster Guard	1	6.688"x 12"	16 ga ASTM A 1011 CS Type B
F10	Masonry Anchor Strap	8	2" x 10.75"	14 ga ASTM A 1011 CS Type B; A60 Galv
F11	Masonry Anchor Yoke	8	0.8125" x 14"	14 ga ASTM A 1011 CS Type B; A60 Galv
F12 *	Expansion Bolt Anchor Strap	8	2" x 5.625"	14 ga ASTM A 1011 CS Type B; A60 Galv
F13 *	Expeansion Bolt Anchor Sleeve	8	0.75" Dia x 2.625"	Galv Pipe Sleeve; Steel Conduit
F14 **	Precast Nelson Stud	8	0.375" x 6" min	ASTM A 108
F15 **	Precast Anchor Strap	8	2" x 5.625"	14 ga ASTM A 1011 CS Type B; A60 Galv

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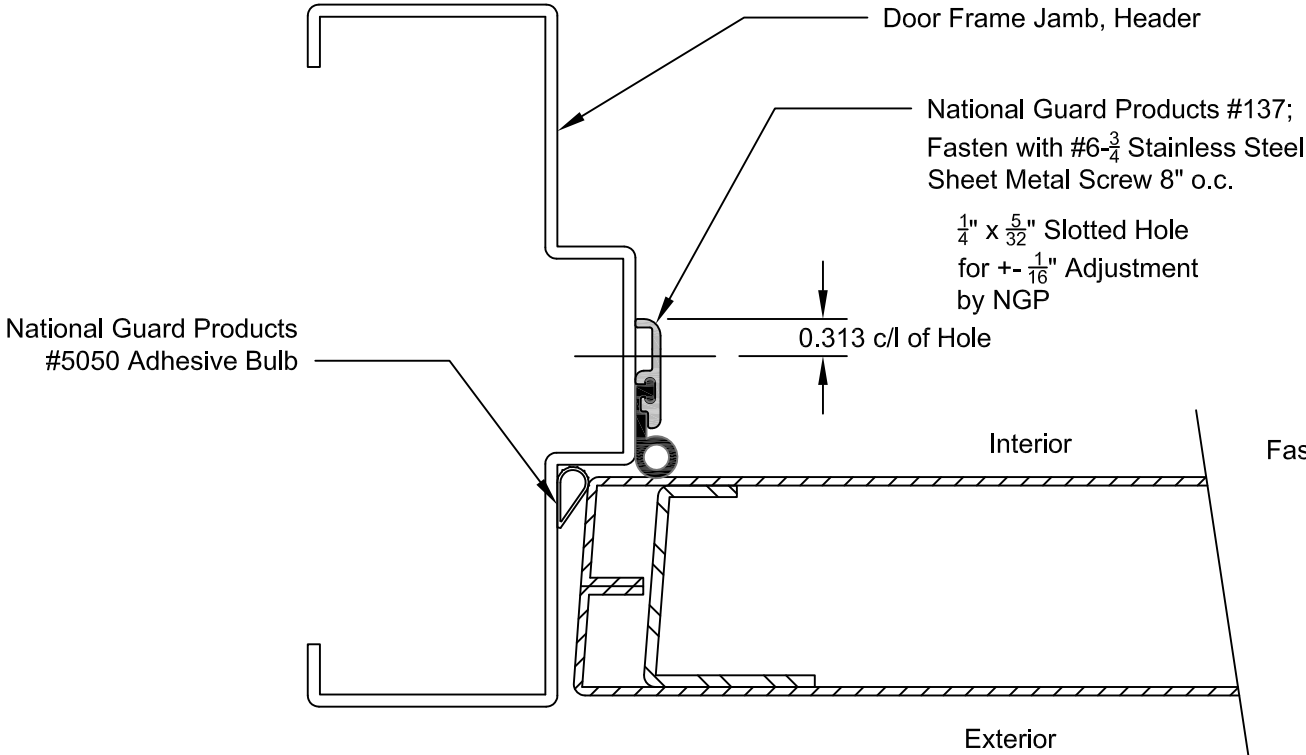
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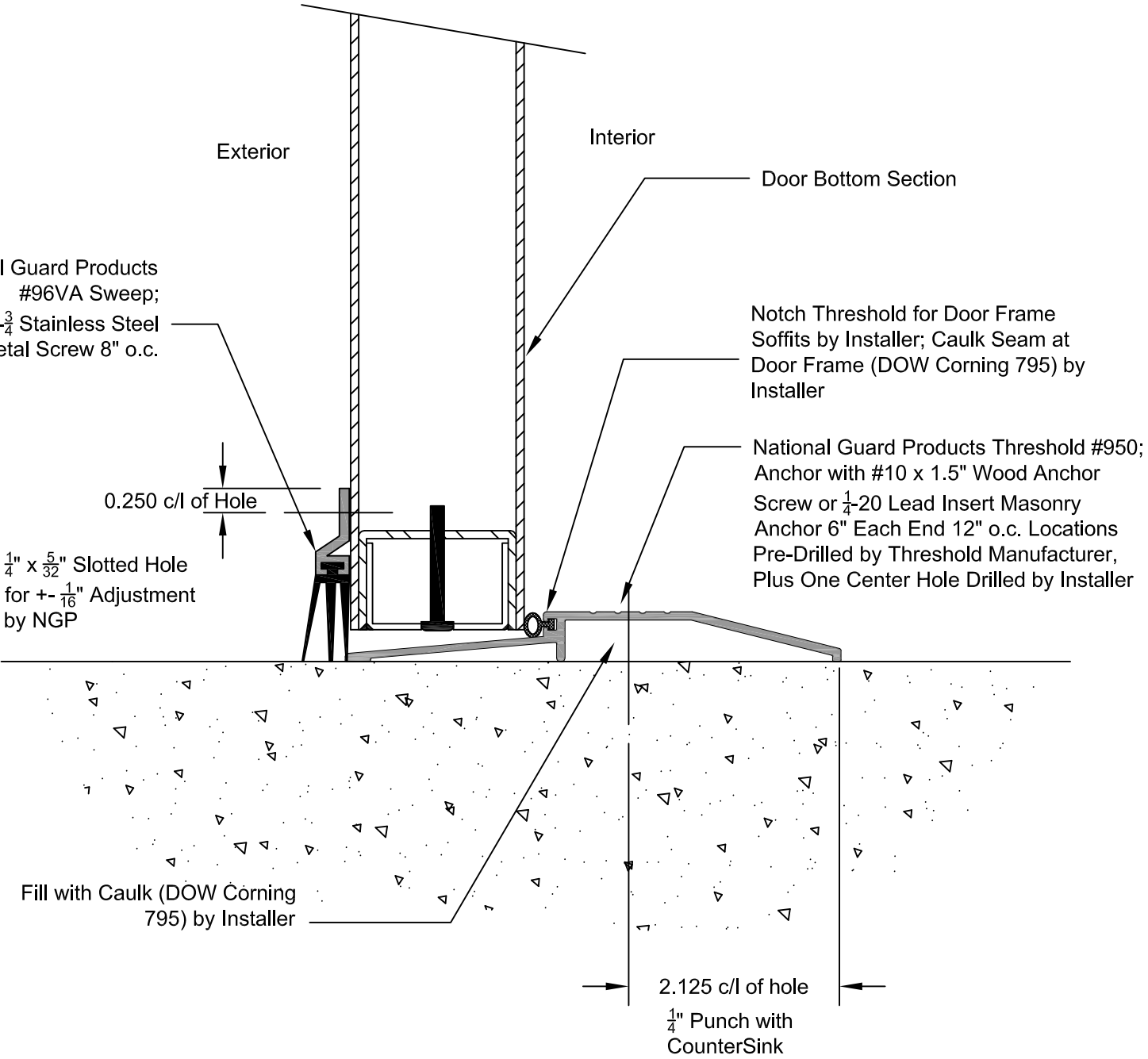


Weather Stripping Details- Pair and Single Door and Frame

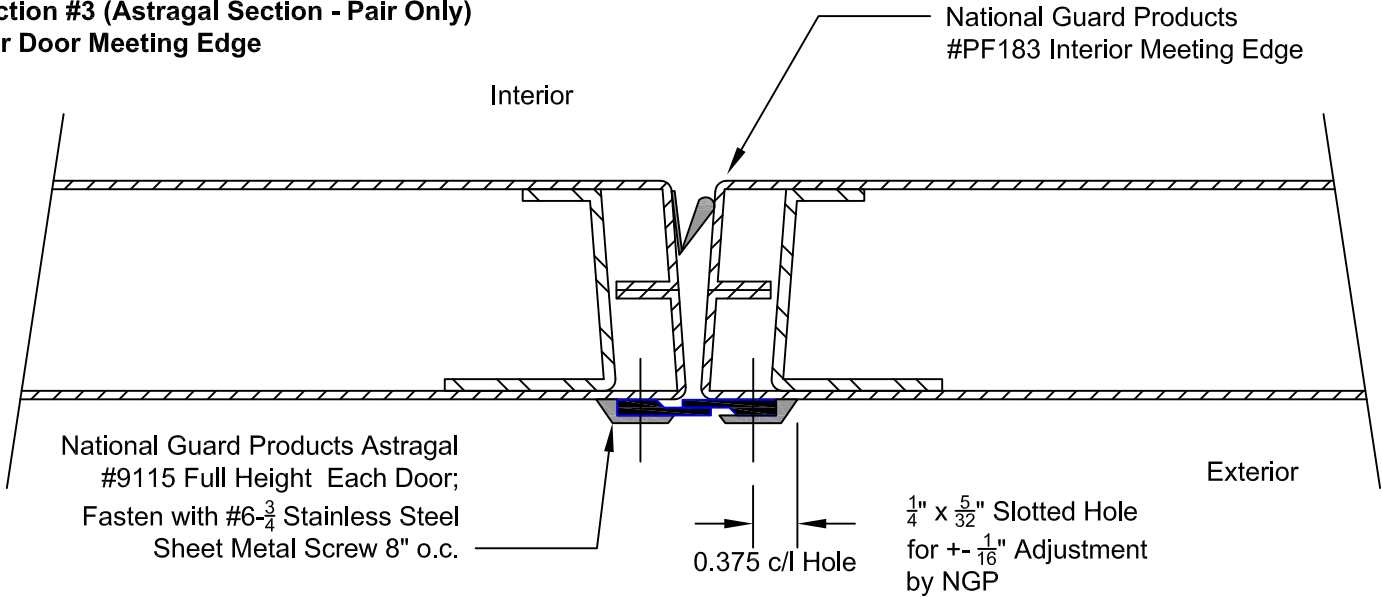
Section #1 (Jamb Section)
Perimeter Seal-
Single and Pair Door Opening



Section #2 (Sill Section)
Door Bottom Seal-
Single and Pair Door Opening



Section #3 (Astragal Section - Pair Only)
Pair Door Meeting Edge



Note: Weather Stripping Typically Provided and Installed by Others

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