



Exterior

Page 1 of 2

Property Address: 1 JOHN ANDERSON DR
Parcel Number: 421434000001
Subdivision Name: SANTA LUCIA, ORMOND HERITAGE CONDO, ASSESSORS ORMOND BEACH
Property Use:
Property Zoning: Multifamily Medium Density, Central Business, Single-Family Low Density
Application Valuation: 35000.0000

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Application Description:
Remove and replace Exterior Doors on Floors 3 through 8. Trash doors, non-combustible storage.

Owner
Tyler Brown

Contractor
Thomas Consulting and Construction
25 Pine Cone Drive Suite 3C, Suite 3C
Palm Coast, FL 32164
(386) 585-4424

Subcontractor(s):

Special Notes and Comments:

Permit Conditions

1. Inspections must be requested before 4:00 p.m. each day for the inspection to be scheduled for the next business day. For example, an inspection requested prior to 4:00 p.m. on Friday can be scheduled for the next business day, typically Monday, provided that the next business day is not a holiday, in which case, the system will require the inspection to be scheduled for Tuesday.
Inspections can be scheduled at: <https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home>.
2. Approval of this permit does not waive requirements of any Home Owners Association (HOA) of record. It shall be the responsibility of the contractor and/or property owner to obtain approval from the HOA prior to the commencement of any work.
3. The approved permit, construction drawings, and related documents must be kept on-site, in weatherproof protection, and be available to the inspector. All permit related documents must remain on-site until the last final inspection.
4. Plan modifications must be submitted and approved prior to the inspection. Modifications without the necessary changes will result in failed inspections with fee penalties.
5. Pursuant to Florida Building Code, section 105.4 in part, this permit will expire if work has not commenced 180 days after permit issuance or if work has been suspended or abandoned for more than 180 days. This provision



Exterior

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shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order, or similar process. The Building Official may grant one or more extensions up to 90 days each, provided the extension is in writing and requested BEFORE the permit is due to expire. Any requests to extend a permit that has EXPIRED will be denied and the permit holder will have to reapply for the permit and pay the required fees.

6. Note: The approval of plans and specifications does not permit the violation of any section of the Building Code, nor does it exempt builders, architects, engineers, or contractors of responsibilities to comply with all applicable codes and statutes.

7. Per the City Code of Ordinances, Part II, Chapter 10, Article I, Section 10-4: "...construction and demolition debris...shall be collected, conveyed and disposed of by...franchisees...". If the job site found to be using a roll off container that is not approved by the City, a stop work order may be issued. The current list (as of 2/8/24) or providers are: Waste Pro of Florida (386-788-8890), Waste Management Inc. (386-673-0800), Creech Enterprises (Southeast Containers) (386-547-4182), Samsula Landfill (386-423-6769), GEL Recycling (386-775-5385), Mid Florida Materials (Hubbard Construction) (407-886-4879). Please contact our Public Works department at 386-676-3220 for the most current information regarding approved roll off franchisees for the City.

Fee Summary	Charged	Paid	Credited	Due
Application Fee	\$35.00	\$35.00	\$0.00	\$0.00
Building Permit Fee	\$200.00	\$200.00	\$0.00	\$0.00
FL BCAI Inspector Education Surcharge Fee	\$3.00	\$3.00	\$0.00	\$0.00
FL FBC and FBCC Surcharge Fee	\$2.00	\$2.00	\$0.00	\$0.00
Plan Review Fee	\$100.00	\$100.00	\$0.00	\$0.00
Technology Fee	\$10.00	\$10.00	\$0.00	\$0.00
Totals	\$350.00	\$350.00	\$0.00	\$0.00

Required Inspections

INSPECTIONS MAY BE SCHEDULED ONLINE AT
<https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice>

Insp Code	Description	Initials	Date	Time
INR-Fasten	Window And/Or Door Fasteners (NR)			



Tyler Brown <ohcmanager@gmail.com>

Permit Inquiry - Ormond Heritage

Hardwick, Kristen <Kristen.Hardwick@ormondbeach.org>
To: Tyler Brown <ohcmanager@gmail.com>

Tue, Jul 8, 2025 at 9:32 AM

The inspection was completed and passed on 7/3

From: Tyler Brown <ohcmanager@gmail.com>
Sent: Tuesday, July 8, 2025 9:31 AM
To: Hardwick, Kristen <Kristen.Hardwick@ormondbeach.org>
Cc: Eaton, Noel <Noel.Eaton@ormondbeach.org>
Subject: Re: Permit Inquiry - Ormond Heritage

[External Email-Use Caution] - OB/IT Helpdesk

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FLEMING-BARON DOOR PRODUCTS

101 Ashbridge Circle
Woodbridge, Ontario L4L 3R5

UL CERTIFIED HURRICANE RESISTANT DOOR & FRAME PRODUCT

INSTALLATION INSTRUCTIONS

UL CATEGORY & FILE REFERENCES:

DOORS: ZHCW.R8930

FRAMES: ZHDL.R8931

APPLICABLE APPROVALS:

FBC: FL14237

TAS-201(1994), TAS-202(1994), TAS-203(1994)

Configuration			Door Series	Gage	Size	Max Design Load (psf)	Large Missile Impact Rating (ft-lbs)	Latch	
Type	Orientation	Latching						Minimum Throw (in.)	Minimum Latch Strength (lbf)
Singles	Out-Swing	CYL, ML or REH	D & E	20	3' x 7'	+/- 50	350	CYL, ML: 1/2 REH: N/A	CYL, ML: 525 REH: N/A
		ML ^(*) or MEH	All	18	3' x 7'	+/- 60	350	ML: 1/2 MEH: N/A	ML: 630 MEH: N/A
		CYL, ML ^(*) , REH or VRH	All	18	4' x 7'	+ 65/ - 70	350	CYL: 1/2 ML: 3/4 REH, VRH: N/A	CYL, ML: + 65 psf: 910 - 70 psf: 980 REH, VRH: N/A
		CYL or CYL + DB	All	18	3' x 7'	+/- 70	350	CYL: 1/2 DB: 1	735
		ICL	All	18	3' x 7'	+/- 70	350	Act Latch: 1/2 Dead Latch: 3/4	735
		ML ^(*) , REH or VRH	All	16	4' x 8'	+/- 70	350	ML: 3/4 REH, VRH: N/A	ML: 1120 REH, VRH: N/A
	In-Swing	CYL or ML ^(*)	All	18	3' x 7'	+/- 60	350	CYL: 1/2 ML: 3/4	630
		CYL + DB	All	18	3' x 7'	+/- 70	350	CYL: 1/2 DB: 1	735
		ICL	All	18	3' x 7'	+/- 70	350	Act Latch: 1/2 Dead Latch: 3/4	735
		ML ^(*)	All	18	3' x 7'	+/- 70	350	3/4	735
Pairs	Out-Swing	REH x Rem HM Mull	All	18	8' x 7'	+/- 65	350	5/8	910
		CYL + DB X FB	All	18	6' x 7'	+ 65/ - 70	350	CYL: 1/2 FB: 1	+ 65 psf: SPL 683, SB 342 ea - 70 psf: SPL 735, SB 368 ea
		CYL X SB	All	18	8' x 7'	+ 65/ - 70	350	CYL: 1/2 SB: 3/4	+ 65 psf: SPL 910, SB 455 ea - 70 psf: SPL 980, SB 490 ea
		ML ^(*) x FB	All	18	6' x 7'	+/- 70	350	ML: 3/4 FB: 1	ML: 735 FB: 368
		ML ^(*) x SB, REH x Hdwr. Mull, or VRH x VRH	All	18	8' x 7'	+/- 70	350	ML, SB: 3/4 REH, VRH: N/A	ML: 980 SB: 490 ea REM, VRH: N/A
		ML ^(*) x SB, REH x Hdwr. Mull, or VRH x VRH	All	16	8' x 8'	+/- 70	350	ML, SB: 3/4 REH, VRH: N/A	ML: 1120 SB: 560 ea REM, VRH: N/A
	In-Swing	ML ^(*) x FB	All	18	6' x 7'	+/- 70	350	ML: 3/4 FB: 1	ML: 735 FB: 368

Notes: (*) - Dead-latch function required for mortise lock or latch
(*) - Dead-latch function not required for mortise lock or latch

Doors detailed above include the following constructions:

Lock-Seam Construction

D-Series; 16, 18 or 20 Gage Face Sheets
E-Series (Embossed); 16, 18 or 20 Gage Face Sheets
DSS-Series (Stainless); 16 or 18 Gage Face Sheets
Honeycomb, Polystyrene, Polyisocyanurate
or Mineral (TRR) Cores
Stiffness Class: I (14, 16 & 18 Gage), V (20 Gage)

Vertically Stiffened Construction

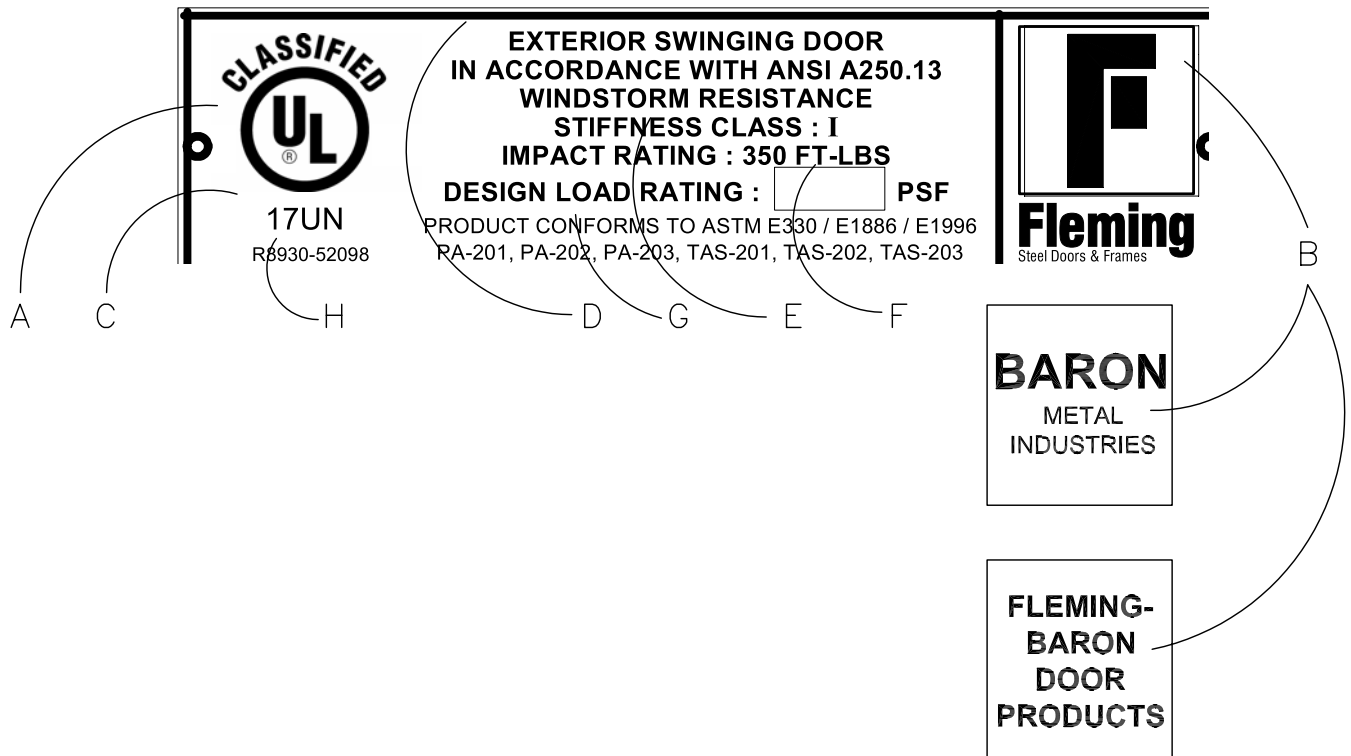
H or SW-Series
14 or 16 Gage Face Sheets
Welded Vertical Stiffener Core
Stiffness Class: I

Latching Device Legend		
CYL : Cylindrical lock or latch	MEH: Mortise exit hardware	SPL : Single point latch
DB : Dead bolt	ML : Mortise lock or latch	VRH: Vertical rod exit hardware
FB : Flush bolt	REH : Rim exit hardware	
ICL : Interconnected lock or latch	SB : Surface bolt	

- All doors are tested, UL Listed, Certified and labeled to TAS 201(1994), TAS-202(1994), TAS 203(1994)

- Glass lights and louvers are permitted in doors up to and including +/- 70 psf Design Load

2	Jan 2012	FBC Submission & Polyl added	WINDSTORM RESISTANT DOORS - SIZE AND RATING LIMITATIONS -
1	Oct 2011	Flush Bolt applications added	
0	Oct 2010	FBC Submission	
#	DATE	DESCRIPTION	
REVISIONS			DATE: 10/10
			SHEET: 1



Labels contain the following information:

- A) UL Classified logo
- B) Optional Brand logo and/or name
- C) UL assigned Permanent Issue (Control) Number
- D) Complimentary Classification Category
- E) Pre-printed Stiffness Class and Impact Rating
- F) Box for stamped/scribed Design Load Rating
- G) Compliant Test Standard Numbers
- H) UL File Number – AADG Part Number

Aluminum labels with holes for drive rivet attachment
Label Size : 1" x 3.75"

			WINDSTORM RESISTANT DOORS - UL DOOR LABEL DETAILS -			
0	Oct 2010	FBC Submission				
#	DATE	DESCRIPTION	DATE: 10/10 SHEET 2			
REVISIONS						

REVIEWED FOR CODE COMPLIANCE												
Product	Configuration						Permitted Wall Types & Anchorage ^(*)					
	Type	Orientation	Latching : Strike Prep	Construction	Maximum Design Load (psf)	Large Missile Impact Rating (ft-lbs)	Maximum Frame Rabbit Width x Height	New Unit Masonry	Concrete or Exist. Unit Masonry	Wood Stud	Steel Stud	Structural Steel
3-Sided Frames	Singles	Out-Swing	CYL : SMLASA or UNL ML : MUNL MEH : ASA	KD FW	+/- 60	350	3' x 7' ^{(*)2}					
			CYL : ASA ML : ASA REH : RIM	KD FW	+ 65/ - 70	350	4' x 7' ^{(*)2}					
			CYL : ASA CYL + DB : ASA + ASANL or ASA + SMLASANL ICL : SMLASA + SMLASANL REH : RIM	KD FW	+/- 70	350	3' x 7' ^{(*)2}	√	√	√	√	√
			ML : ASA REH : RIM VRH : MHS	KD FW	+/- 70	350	4' x 8'					
		In-Swing	CYL : ASA or SMLASA	KD FW	+/- 60	350	3' x 7'					
			CYL + DB : ASA + ASANL or ASA + SMLASANL ICL : SMLASA + SMLASANL ML : ASA	KD FW	+/- 70	350	3' x 7'	√	√	√	√	√
	Pairs	Out-Swing	REH x Rem HM Mullion : HR	FW	+/- 65	350	8' x 7' ^{(*)2}					
			CYL x SB : MHS ML x SB : MHS	KD FW	+ 65/ - 70	350	8' x 7' ^{(*)2}					
			CYL + DB x FB : MHS	KD FW	+ 65/ - 70	350	6' x 7'	√	√	√	√	√
			ML x FB : MHS	KD FW	+/- 70	350	6' x 7'					
			ML x SB : MHS VRH x VRH : MHS REH x Rem Hardware Mullion : HR	KD FW	+/- 70	350	8' x 8'					
		In-Swing	ML x FB : MHS	KD FW	+/- 70	350	6' x 7'	√	√	√	√	√

All frames are tested, UL Listed, Certified and labeled to TAS 201(1994), TAS 202(1994), TAS 203(1994),

*1: See Sheet #s 7 and 9 for wall anchor requirements

*2: Meets the HVHZ requirements for Air and Water Infiltration (TAS 202). Frame must be FW (face welded) construction. Requires Pemko # 315CR or National Guard # 130NA jamb and head gasket, Pemko # 2001AV or National Guard # 950N threshold and for pairs Pemko 375CR astragal.

Latching Device Legend			
CYL	: Cylindrical lock or latch	ICL	: Interconnected lock or latch
DB	: Dead bolt	MEH	: Mortise exit hardware
FB	: Flush bolt	ML	: Mortise lock or latch
		REH	: Rim exit hardware
		SB	: Surface bolt
		VRH	: Vertical rod exit hardware

Strikes and Preparations Legend			
ASA	: 4-7/8" x 1-1/4" lipped strike	MHS	: Mortise head strike for flush or surface bolt, or vertical rod exit hardware
ASANL	: 4-7/8" x 1-1/4" non-lipped strike	MUNL	: 4-7/8" x 1-1/4" electro-mechanical device for mortise lock or latch
HR	: Head reinforcing for removable mullion	RIM	: Surface strike for rim exit hardware
		SMLASA	: 2-3/4" x 1-1/8" lipped strike
		SMLASANL	: 2-3/4" x 1-1/8" non-lipped strike
		UNL	: 4-7/8" x 1-1/4" electro-mechanical device for cylindrical lock or latch

1	Oct 2011	FBC Submission—Flush Bolt applications added	WINDSTORM RESISTANT 3-SIDED FRAMES - SIZES AND RATING LIMITATIONS -
0	Oct 2010	FBC Submission	
#	DATE	DESCRIPTION	
REVISIONS			DATE: 10/10
			SHEET 3

Product	Configuration			Construction	Maximum Design Load (psf)	Large Missile Impact Rating (ft-lbs)	Maximum Frame Rabbet Width x Height (Maximum O/A Unit Width x Height)	Permitted Wall Types & Anchorage ^(*)				
	Type	Orientation	Latching : Strike Prep ^(*)					New Unit Masonry	Concrete or Existing Unit Masonry	Wood Stud	Steel Stud	Structural Steel
Transom Frames	Singles	Out-Swing	CYL : ASA, SMLASA or UNL ML : ASA or MUNL ICL : SMLASA + SMLASANL REH : RIM MEH : ASA VRH : MHS	FW	+/-60	350	3' x 7' (10' 2") ^(*)	√	√	√	√	√
			ML : ASA REH : RIM VRH : MHS	FW	+/-60	350	3' x 8' (10') ^(*)	√	√	√	-	√
	Pairs	In-Swing	CYL : ASA or SMLASA ML : ASA ICL : SMLASA + SMLASANL	FW	+/-60	350	3' x 7' (10' 2") ^(*)	√	√	√	√	√
		Out-Swing	CYL x SB or FB : MHS ML x FB : MHS	FW	+/-60	350	6' x 7' (10') ^(*)	√	√	√	-	√
			ML x SB : MHS VRH x VRH : MHS REH x Hardware Mullion : HR	FW	+/-60	350	6' x 8' (10') ^(*)	√	√	√	-	√
Sidelight Frames	Singles	Out-Swing	CYL : ASA or SMLASA ML : ASA ICL : SMLASA + SMLASANL REH : RIM MEH : ASA VRH : MHS	FW	+/-60	350	3' x 7' (4' 6") ^(*)	√	√	√	√	√
			ML : ASA REH : RIM VHR : MHS	FW	+/-60	350	3' x 8' (12' 8" x 10')	√	√	√	-	√
		In-Swing	CYL : ASA or SMLASA ML : ASA ICL : SMLASA + SMLASANL	FW	+/-60	350	3' x 7' (4' 6") ^(*)	√	√	√	√	√
	Pairs	Out-Swing	ML x FB : MHS	FW	+/-60	350	6' x 7' (12' 8" x 10')	√	√	√	-	√
			ML x SB : MHS VRH x VRH : MHS REH x Rem Hardware Mullion : HR	FW	+/-60	350	6' x 8' (12' 8" x 10')	√	√	√	-	√
Windows	Not Applicable	Not Applicable	Not Applicable	FW	+/-60	350	Rabbet Not Applicable (12' 8" x 10')	√	√	√	-	√

All transom, sidelight and window frames are tested, UL Listed, Certified and labeled to TAS-201(1994), TAS-202(1994), TAS-203(1994),

Notes :

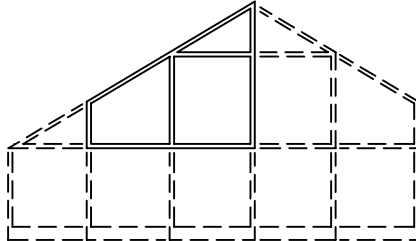
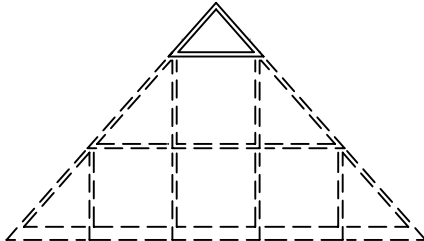
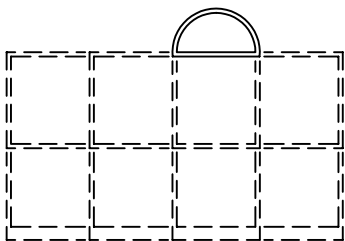
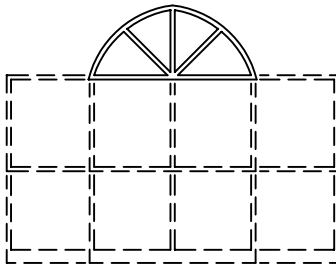
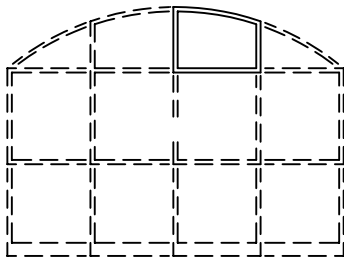
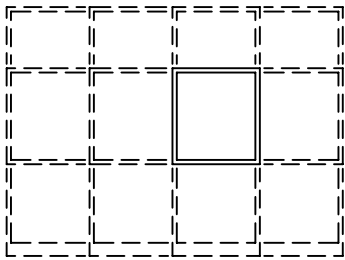
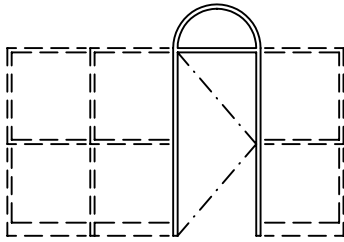
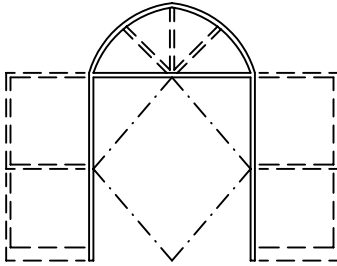
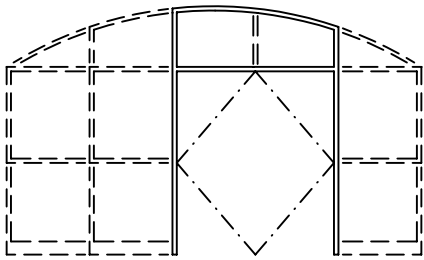
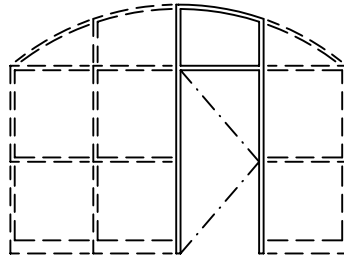
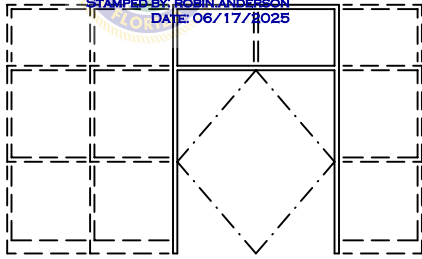
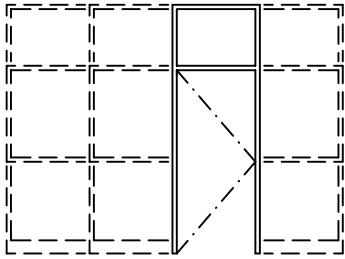
*1 : Maximum combined door + transom opening height

*2 : Maximum over-all unit width

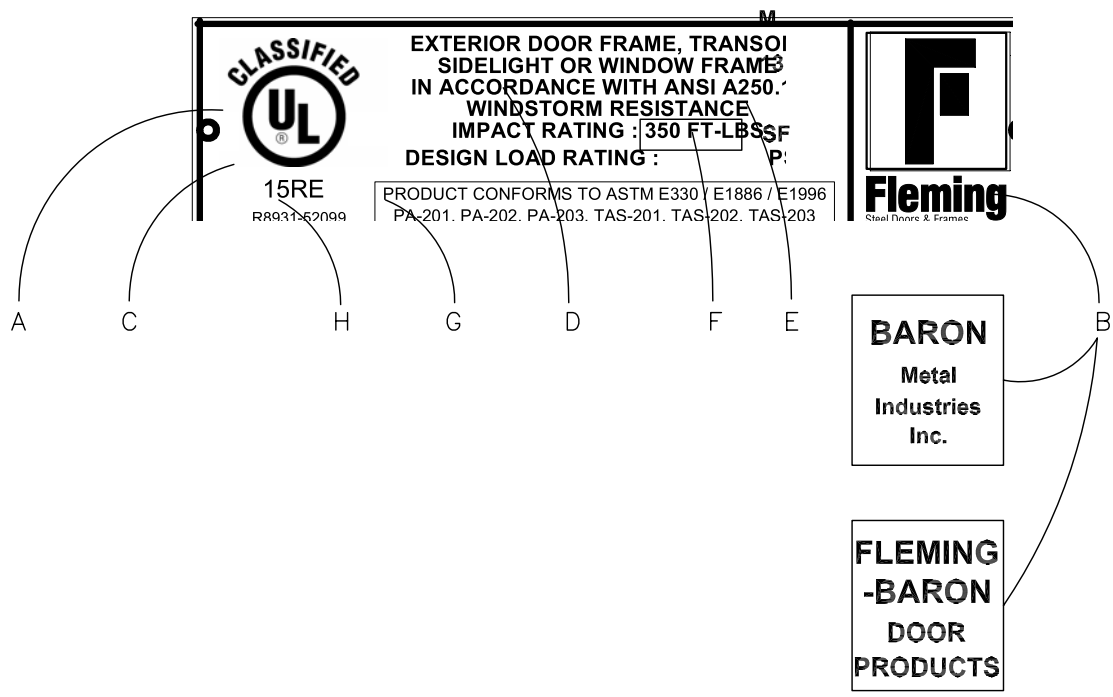
*3 : See Sheet #'s 8 and 9 for Wall Anchor requirements

*4 : See Sheet # 3 for Latching and Strike Prep Legends

1	Oct 2011	FBC Submission—Flush Bolt applications added	WINDSTORM RESISTANT TRANSOM, SIDELIGHT & WINDOW FRAMES - SIZE AND RATING LIMITATIONS -			
0	Oct 2010	FBC Submission				
#	DATE	DESCRIPTION				
REVISIONS			DATE:	10/10	SHEET	4



			WINDSTORM RESISTANT TRANSOM, SIDELIGHT & WINDOW FRAMES - TYPICAL ELEVATIONS -	
0	Oct 2010	FBC Submission		
#	DATE	DESCRIPTION		
REVISIONS			DATE: 10/10	SHEET 5

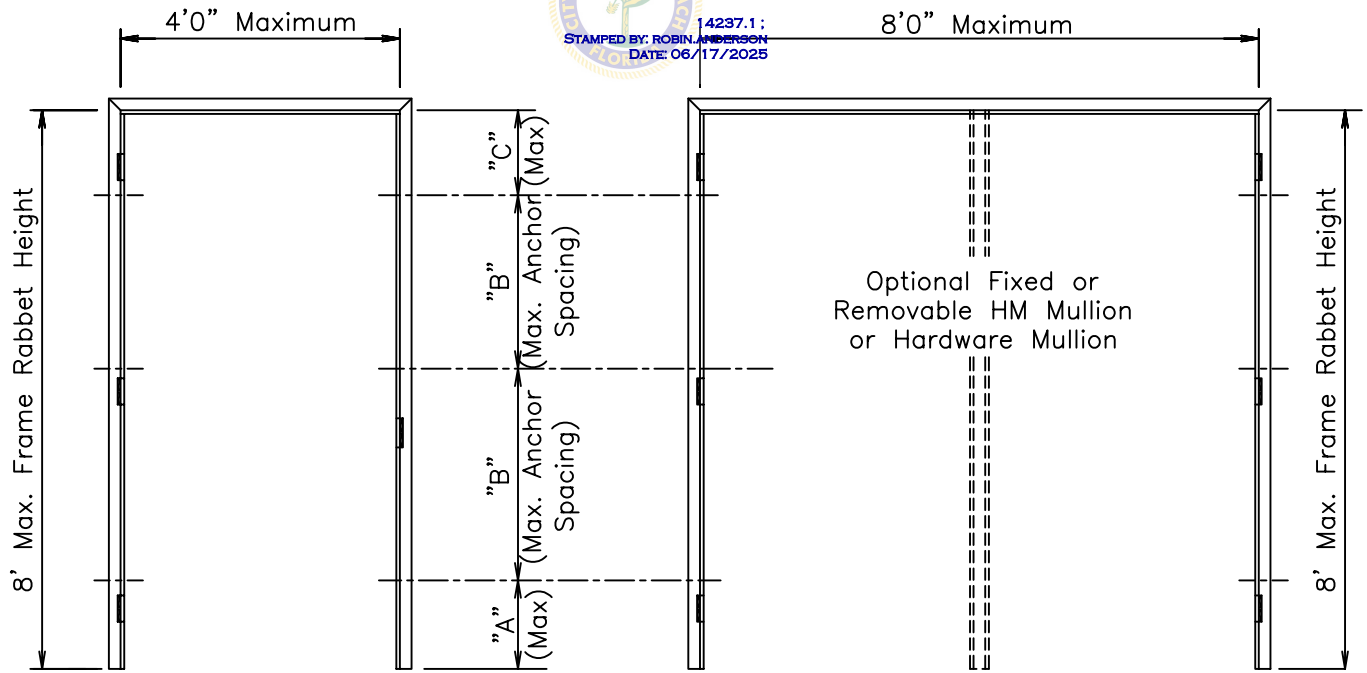


Labels contain the following information:

- A) UL Classified logo
- B) Optional Brand logo and/or name
- C) UL assigned Permanent Issue (Control) Number
- D) Complimentary Classification Category
- E) Pre-printed Impact Rating
- F) Box for stamped/scribed Design Load Rating
- G) Compliant Test Standards
- H) UL File Number – AADG Part Number

Aluminum labels with holes for drive rivet attachment
Label Size : 1” x 3.75”

			WINDSTORM RESISTANT FRAME PRODUCT - UL LABEL DETAILS -		
0	Oct 2010	FBC Submission			
#	DATE	DESCRIPTION			
REVISIONS			DATE:	10/10	SHEET 6



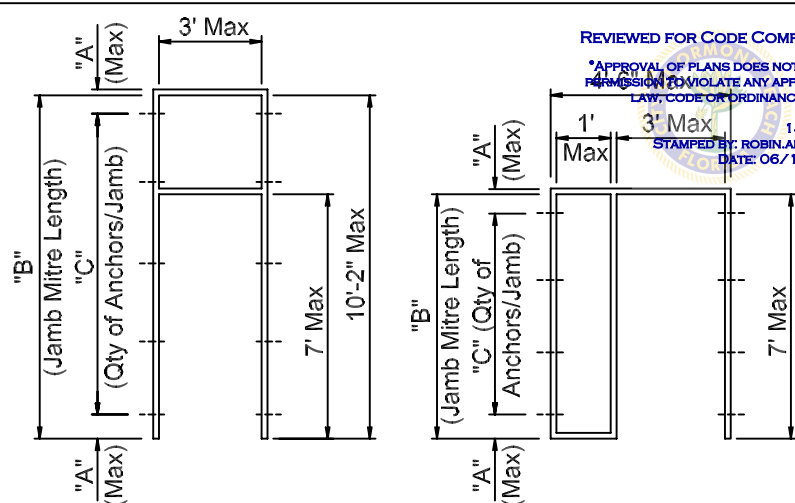
SINGLES

PAIRS

Partition Type	Jamb Anchor Type	"A"	"B"	"C"	Securement Requirements
Wood Stud	Welded CSA	6"	24"	6"	(4) #8 x 1" wood or drywall screws per wall anchor
	Welded EWA	6"	24"	6"	(1) 3/8" ϕ x 6" lag bolt per anchor with a minimum 2-1/2" stud engagement
Steel Stud	Welded CSA or Z	6"	24"	6"	(4) #8 x 1" wood or drywall screws per wall anchor
Structural Steel	Welded Steel Shims	5"	36"	5"	Steel shims secured to jambs with 3/16" x 1" long welds both sides of frame. Shims welded to steel structure at time of installation.
Existing Masonry or Concrete	Welded EWA	6"	24"	6"	(1) 3/8" ϕ x 6" expansion shell anchor or 3/16" x 6" concrete screw per anchor with a minimum 2-1/2" stud engagement
New Unit Masonry	Loose "T" or Wire	16"	32"	16"	Not applicable

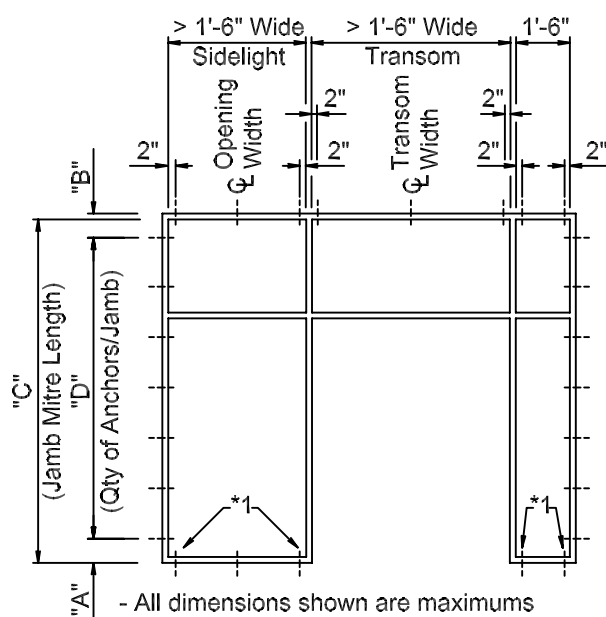
- 16 gage minimum. 12 gage maximum frame profiles
- 4" minimum. 14" maximum jamb depths
- 1-3/4" minimum, 2" maximum jamb face widths
- 1-3/4" minimum, 4" maximum head face widths
- See Sheet # 9 for anchor illustrations.
- Floor anchors are required for frames installed in new unit masonry and steel stud partitions

			WINDSTORM RESISTANT 3-SIDED FRAMES - ANCHORAGE & PROFILE REQUIREMENTS -	
0	Oct 2010	FBC Submission	DATE: 10/10	SHEET 7
#	DATE	DESCRIPTION		
REVISIONS				



For transom frames or sidelights meeting all the dimensional limitations shown at the left, wall anchorage shall be as shown in the table below. See the bottom section of this drawing for methods of securement for each anchor and partition type.

Partition Type	Jamb Anchors	"A"	"B"	"C"
Wood Stud	CSA or EWA	6"	96" Max	4
Steel Stud	CSA			
Structural Steel	Welded Steel Shims		> 96"	5
Existing Masonry or Concrete	EWA	16"	96" Max	3
New Unit Masonry	"T" or Wire		> 96"	4



For transom frames, sidelights or windows exceeding any of the dimensional limitations shown above, jamb, head and sill anchorage shall be as shown in the tables below. See the bottom section of this drawing for methods of securement for each anchor and partition type.

Partition Type	Jamb Anchors	"A"	"B"	"C"	"D"
Wood Stud, Existing Masonry or Concrete	EWA	12"	8"	< 60"	3
				< 80"	4
				96" Max	5
				> 96"	6
New Unit Masonry	"T"	16"	16"	48" Max	2
				64" Max	3
				< 80"	4
				96" Max	5
				114" Max	6
Structural Steel	Welded Steel Shims	5"	5"	> 114"	7
				40" Max	2
				< 72"	3
				102" Max	4
				> 102"	5

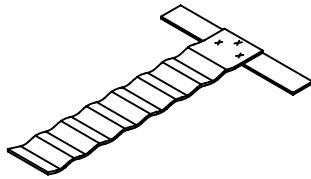
- All dimensions shown are maximums
- Jamb anchors are equally spaced
- *1: Floor anchors adjacent to jambs and vertical mullions may be provided in lieu of EWA preparations and guides

Partition Type	Head Anchors	Sill Anchors
Wood Stud	EWA	EWA or Floor Anchors (*1)
Existing Masonry or Concrete or New Unit Masonry	EWA or Welded Steel Shims	
Structural Steel	Welded Steel Shims	

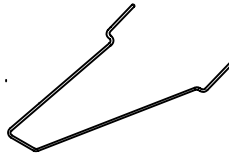
Jamb or Head Anchor Type	Partition Type	Securement Requirements
Combination Stud Anchor (CSA) Welded 1 or 2-Piece Type	Wood or Steel Stud	(4) #8 x 1" wood or drywall screws per anchor
Welded Existing Wall Anchor (EWA) Guides; Pipe and Spacer or Butterfly Type	Wood Stud	(1) 3/8" x 6" lag bolt per anchor with a minimum of 2-1/2" engagement into studs
	Existing Unit Masonry or Poured Concrete	(1) 3/8" x 6" expansion shell anchor or 3/16" x 6" concrete screw per anchor with a minimum of 2-1/2" engagement into wall
Welded Steel Shims 2" x (Jamb Depth + 1-1/4") x 12 Ga	Structural Steel	Steel shims secured to jambs and/or heads with 3/16" x 1" long welds both sides of frame at labeling facility. Shims welded to steel structure at time of installation.

- 16 gage minimum, 12 gage maximum frame profiles
- 4" minimum, 14" maximum jamb depths
- 1-3/4" minimum, 2" maximum jamb & mullion face widths
- 1-3/4" minimum, 4" maximum head, sill and center rail face widths
- See Sheet # 9 for anchor illustrations
- Floor anchors are required for units installed in new unit masonry and steel stud partitions

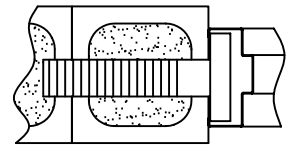
			WINDSTORM RESISTANT TRANSOM, SIDELIGHT & WINDOW FRAMES - ANCHORAGE & PROFILE REQUIREMENTS -	
0	Oct 2010	FBC Submission		
#	DATE	DESCRIPTION		
REVISIONS			DATE: 10/10	SHEET 8



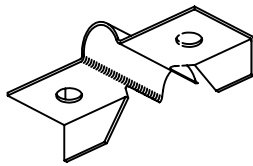
Loose "T" Anchor



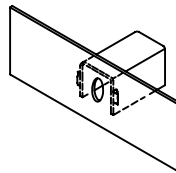
Loose Wire Anchor



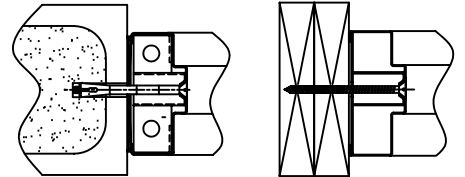
ANCHORS FOR NEW UNIT MASONRY PARTITIONS



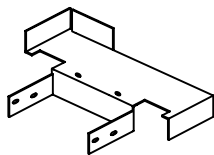
"Butterfly" Type



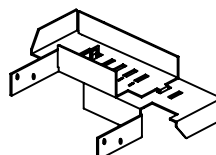
"Pipe & Spacer" Type



WELDED EXISTING WALL ANCHOR GUIDES (EWA's)
FOR EXISTING WOOD STUD, EXISTING UNIT MASONRY AND POURED CONCRETE PARTITIONS

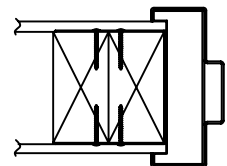


1-Piece Type

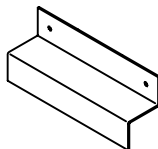


2-Piece Type

Combination Stud Anchors

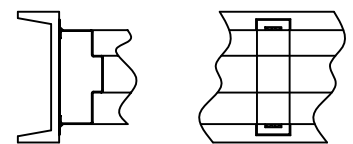
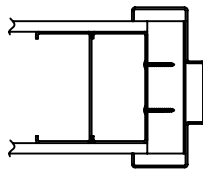


WELDED WALL ANCHORS
FOR WOOD OR STEEL STUD PARTITIONS



"Z" Type Anchor

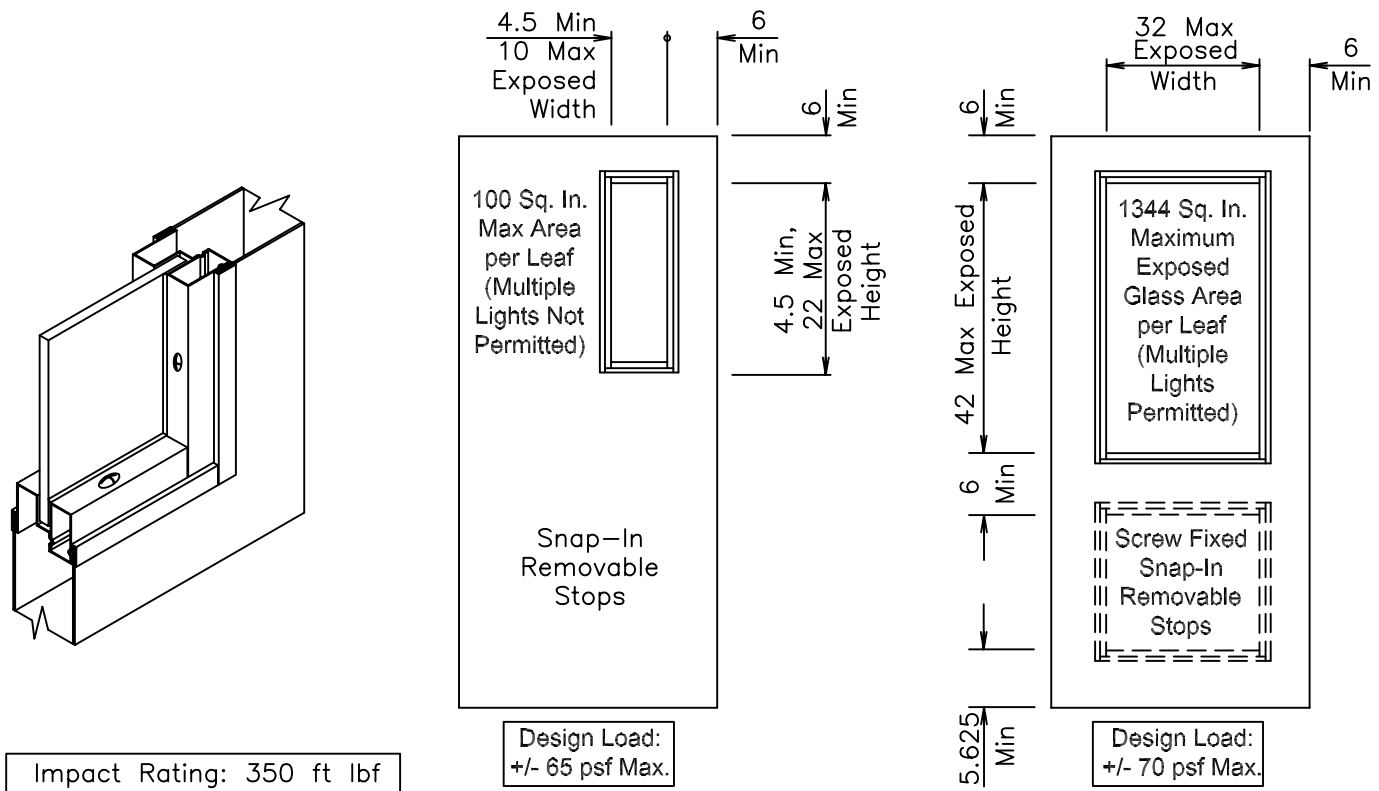
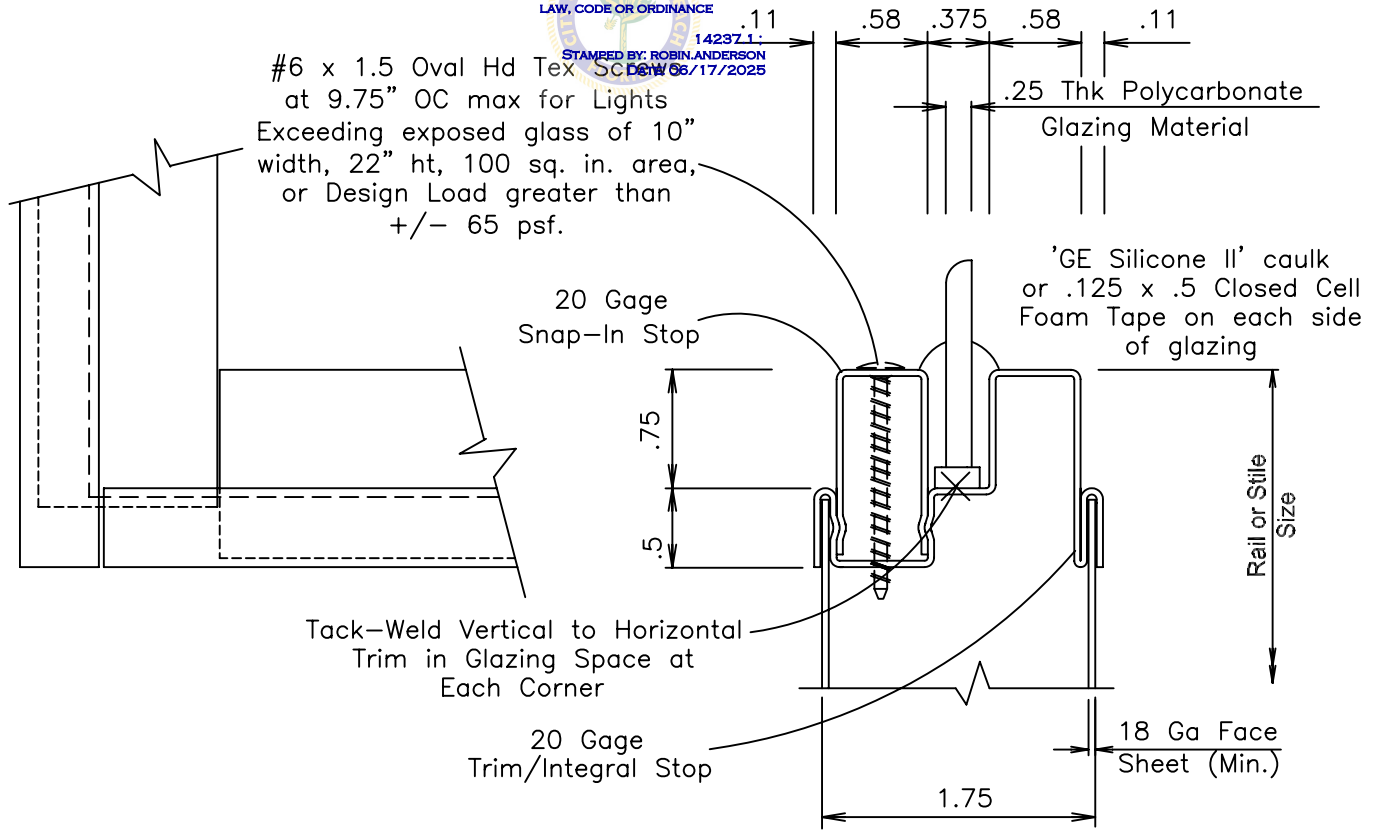
WELDED WALL ANCHORS
FOR STEEL STUD PARTITIONS



Welded 12 Gage Steel Shims

WALL ANCHORS FOR
STRUCTURAL STEEL PARTITIONS

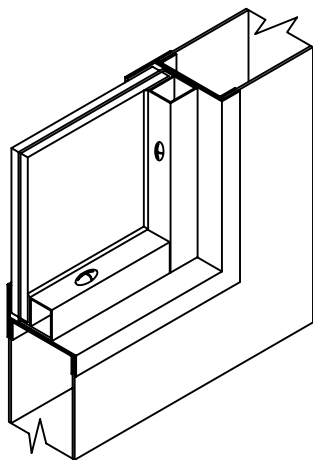
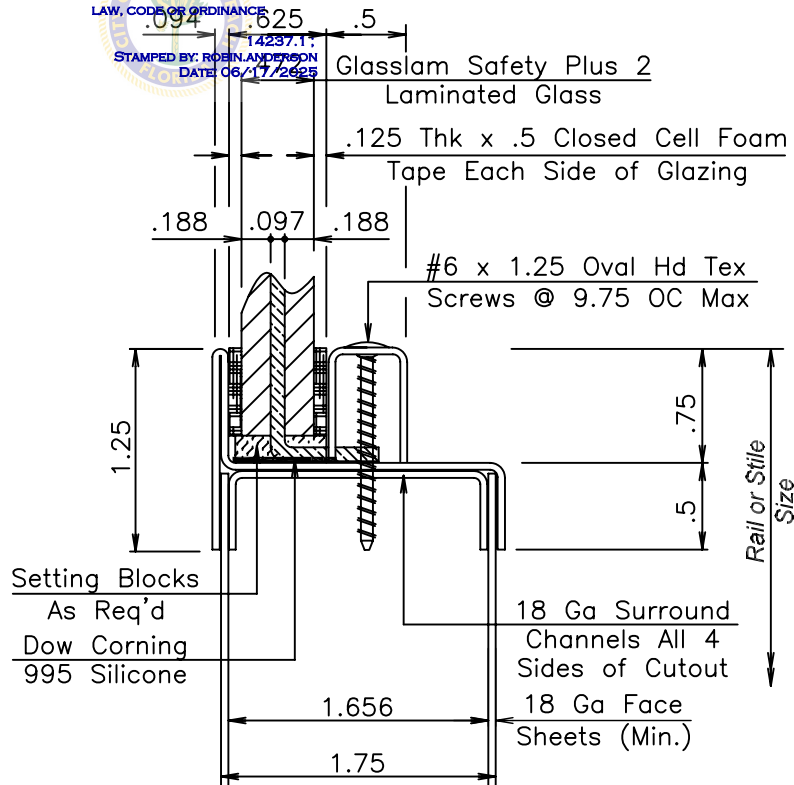
			WINDSTORM RESISTANT FRAME PRODUCT - ANCHOR ILLUSTRATIONS -	
0	Oct 2010	FBC Submission	DATE: 10/10	SHEET 9
#	DATE	DESCRIPTION		
REVISIONS				



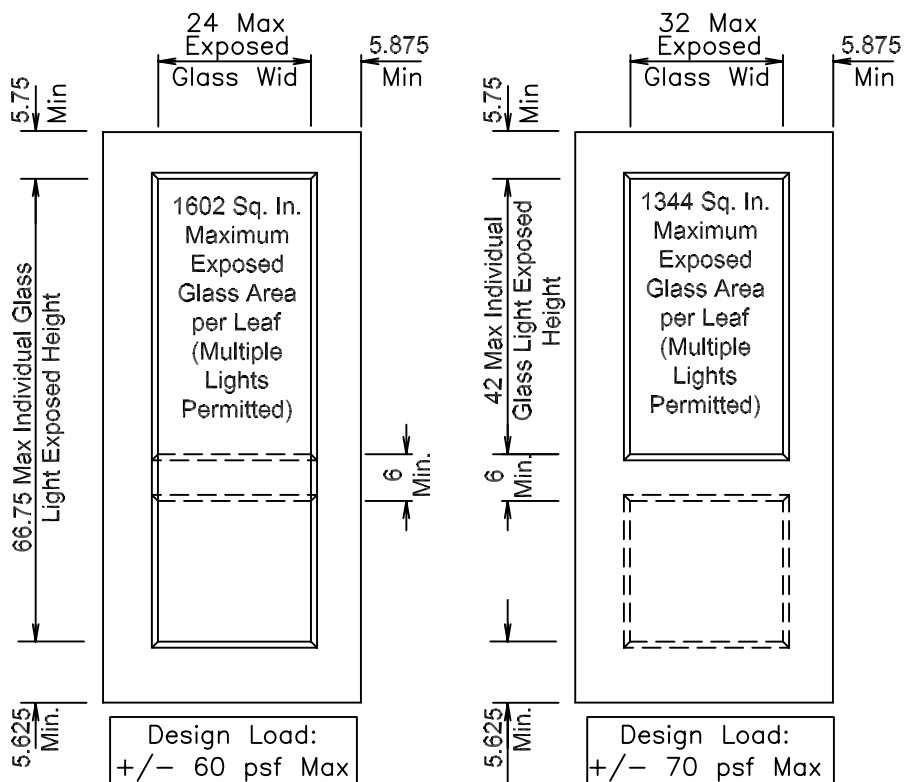
			WINDSTORM RESISTANT DOORS - GLAZING KIT DETAILS -		
0	Nov 2010	FBC Submission			
#	DATE	DESCRIPTION			
REVISIONS			DATE:	11/10	SHEET 10

STAMPED BY: ROBIN ANDERSON
DATE: 06/17/2025

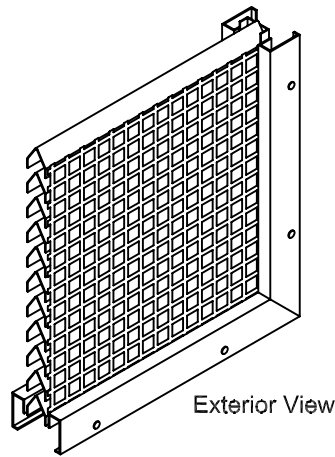
18 Gage Glazing Trim
& 20 Ga Removable
Glazing Stops



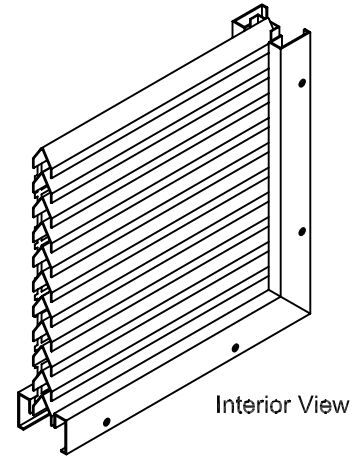
Impact Rating: 350 ft lbf



			WINDSTORM RESISTANT DOORS - GLAZING KIT DETAILS -		
0	Nov 2010	FBC Submission			
#	DATE	DESCRIPTION			
REVISIONS			DATE:	11/10	SHEET 11



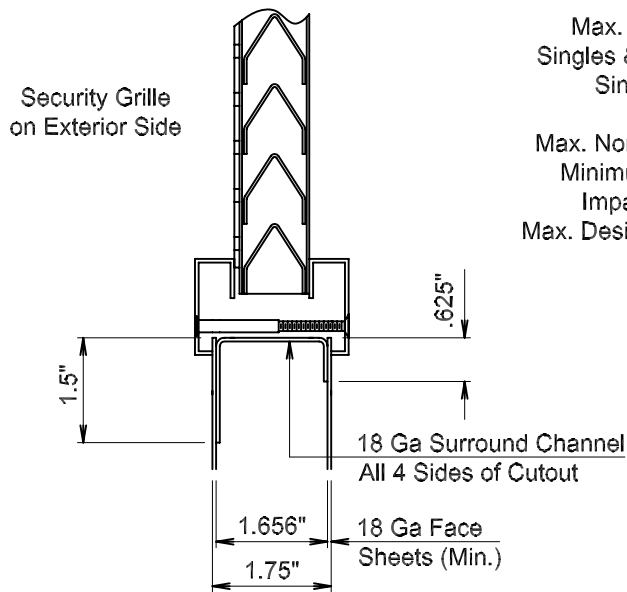
Exterior View



Interior View

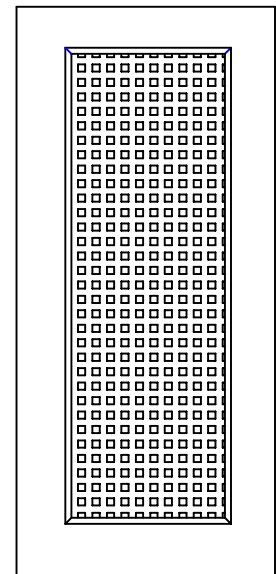
- Louvers must be UL Windstorm-Rated under Category ZHLL
- Louver manufacturer's listings may limit maximum louver size, minimum door gage, impact and design load ratings shown.
- Louvers may be installed at labeling location or on-site (See Note below)
- Pemko LV-WS UL Listed louvers with Security Grille requirements shown
- Louvers are not TAS-202 (Air or Water Infiltration) compliant
- Louvers have not been tested to AMCA 550

Note : If the louver is to be installed on-site, an adhesive-backed sticker must be applied to the visible leg of the bottom surround channel by the labeling facility stating: " A UL Windstorm-Rated Door Louver Must Be Installed In This Opening "

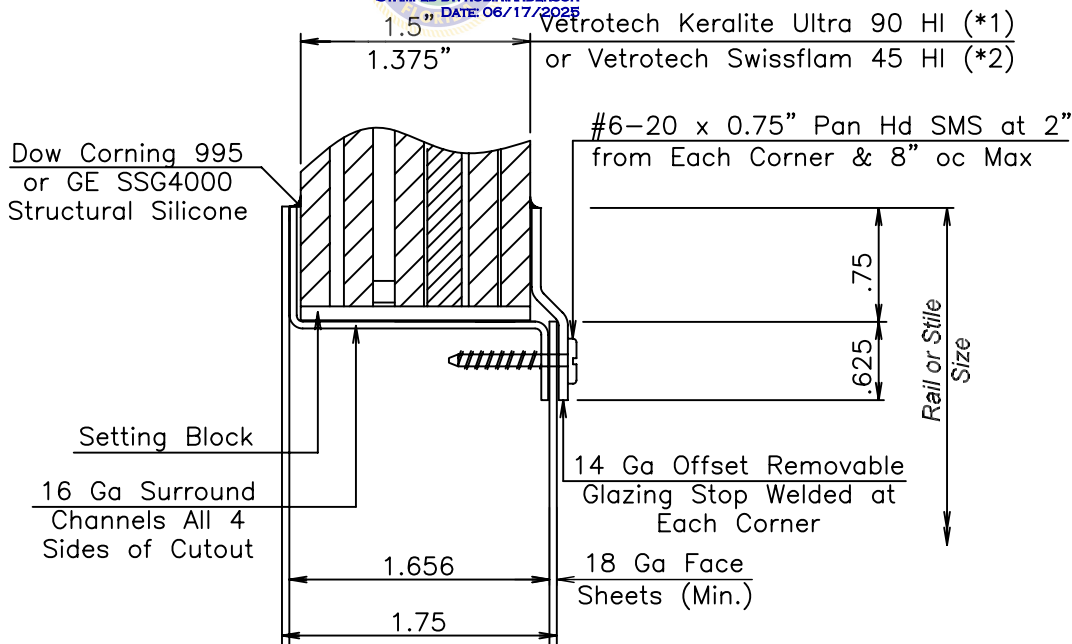


Max. Nom. Door Leaf Size:
Singles & Pairs Out-Swing: 4' x 8'
Single In-Swing: 3' x 7'

Max. Nom. Louver Size: 34" x 78"
Minimum Stile and/or Rail: 6"
Impact Rating: 350 ft lbs
Max. Design Load Rating: +/- 70 psf



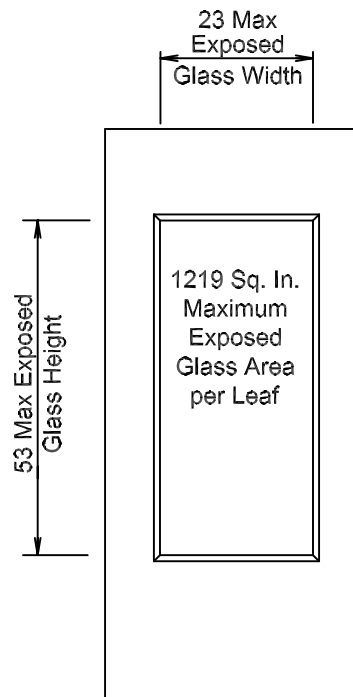
			WINDSTORM RESISTANT DOORS - LOUVER DETAILS -		
0	Nov 2010	FBC Submission			
#	DATE	DESCRIPTION			
REVISIONS			DATE:	11/10	SHEET 12



UL Fire Protection Ratings Under KCMZ-R14515

- *1: 3 Hour - 10" W, 33" Ht and 100 Sq. In. Area Max.
1.5 or 3/4 Hr - 23" W, 53" Ht. and 1219 Sq. In. Area Max.
*2: 3/4 Hour - 23" W, 53" Ht. and 1219 Sq. In. Area Max.

Vertically stiffened doors (ref. R8930, Vol 3 or 6) intended to receive glass lights must be provided with this design kit factory installed, as "cutout only" or "inner channels & cutout". Glass lights for lock-seam doors (ref. R8930, Vol 1 or 2) may be prepared at the factory or secondary manufacturing location



Design Load:
+/- 70 psf Max

Impact Rating: 350 ft lbf

**WINDSTORM RESISTANT DOORS
- GLAZING KIT DETAILS -**

0	Jan 2012	FBC Submission
#	DATE	DESCRIPTION
REVISIONS		

DATE: 01/12 SHEET 13

FLEMING DOOR PRODUCTS

DIVISION OF ASSA ABLOY DOOR GROUP, INC.

FLEMING FLUSH SINGLE DOORS LARGE MISSILE IMPACT (LMI) - LEVEL "D" HVHZ

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

**NOTE REGARDING USE OF THIS DOCUMENT &
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INSTRUCTIONS FOR USING THIS APPROVAL

- STEP 1:** USE THE DOOR ELEVATIONS PROVIDED ON PAGE 2 THROUGH 6 TO DETERMINE THE APPLICABLE ASSEMBLY NUMBER
- STEP 2:** MOVE TO THE CHART BELOW THE DOOR ELEVATIONS, ALSO ON PAGE 2 THROUGH 6, AND LOCATE YOUR ASSEMBLY NUMBER. BY SCANNING HORIZONTALLY THROUGH THE SAME ROW OF YOUR ASSEMBLY NUMBER, YOU WILL BE ABLE TO DETERMINE THE APPROVED **DOOR SERIES, MIN DOOR THICKNESS, MAX DESIGN PRESSURE, MAX DOOR OPENINGS, SWINGING OPTIONS, LATCHING HARDWARE FOR PANELS.**
- STEP 3:** USE PAGE 8 TO DETERMINE YOUR FRAMING PROFILES AND FRAMING CONSTRUCTION OPTIONS
- STEP 4:** USE THE TABLES ON PAGE 9 AND 10 TO DETERMINE THE ANCHOR TYPE AND SPACING, BASED ON THE YOUR PRESSURE AND SUBSTRATE CRITERIA
- STEP 5:** USE THE DETAILS PROVIDED ON PAGE 11 AND 12 TO DETERMINE YOUR WEATHERSTRIPPING OPTIONS

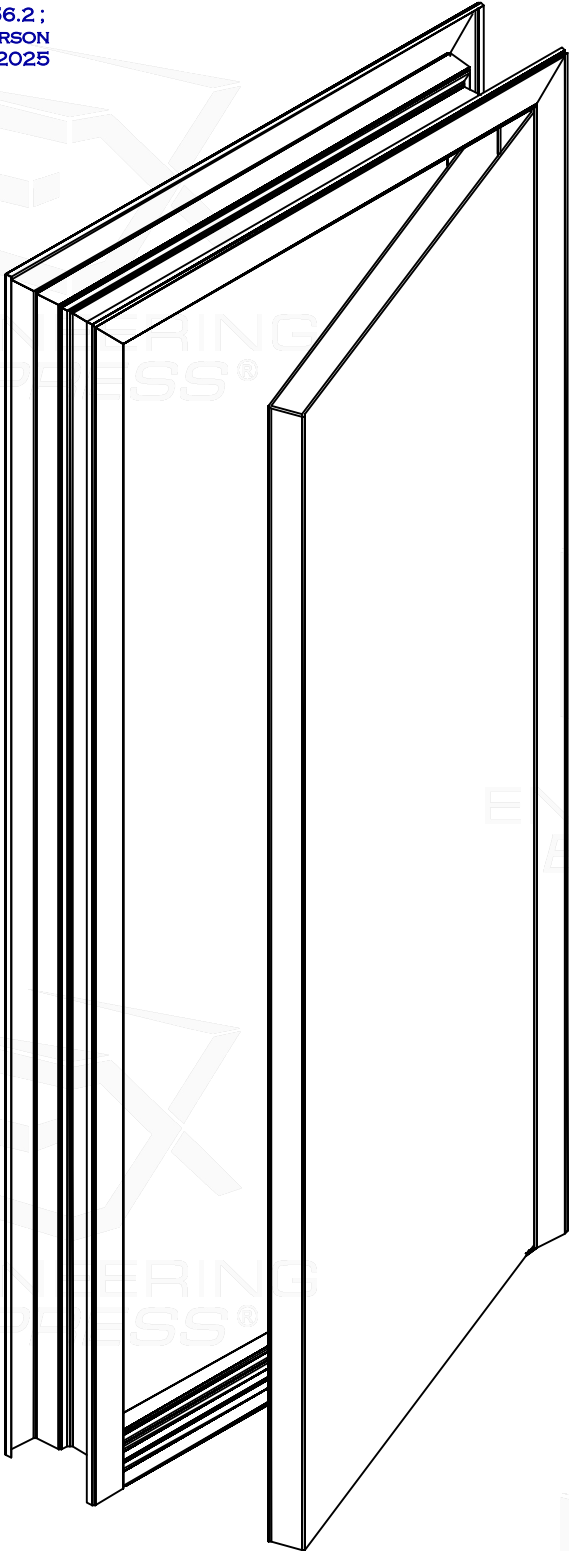
SHEET INDEX

# SHEET	DESCRIPTION
1	COVER SHEET
2-6	ASSEMBLY OPTIONS
7	OPTIONAL ASSEMBLY OPTIONS
8	DOOR FRAME DETAILS
9-10	DOOR FRAME ANCHORING INFORMATION
11-12	DOOR FRAME WEATHER STRIPPING INFORMATION
13	MANUFACTURERS AND ENGINEERS NOTES
13	TOTAL

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FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

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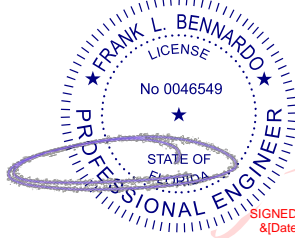
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Fleming Door Products
ASSA ABLOY
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#16356.2)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (12-CU-03g-01)	KL	FLB	06/28/13
FBC UPDATE	RWN	CSL	06/12/15
2017 FBC UPDATE	JEM	FLB	10/03/17
2020 FBC UPDATE	TAE	FLB	12/17/20
2023 FBC (PREV 20-34846)	AMZ	RS	10/18/23

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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS

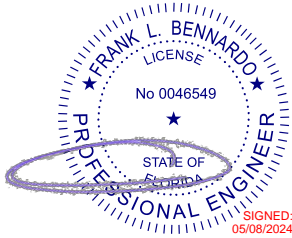
PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACTS ARE APPLICABLE AT 50 FEET PER SECOND OR 350 FT-LBS. PRODUCT MEETS REQUIREMENTS OF HIGH VELOCITY HURRICANE ZONE.

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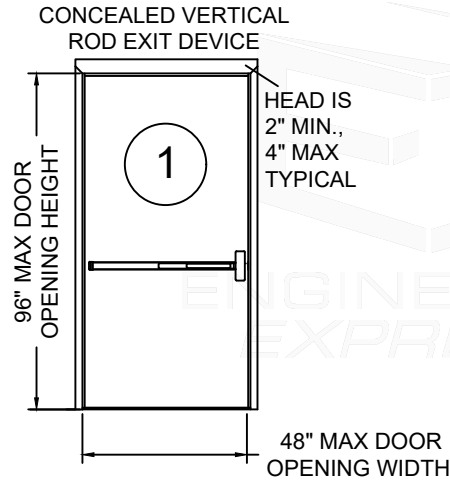
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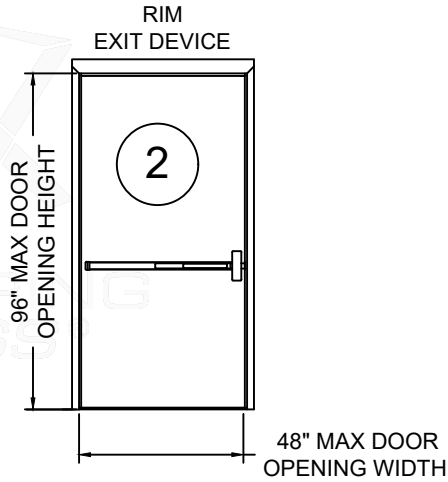
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PE# 0046549 CA# 9885



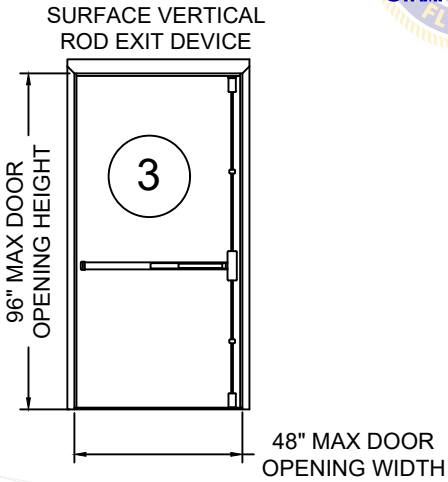
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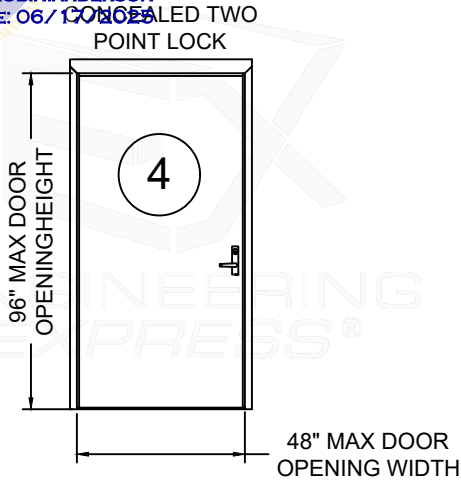
ASSEMBLY 1	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



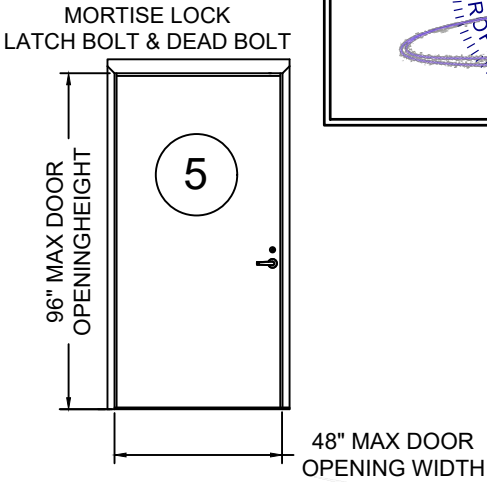
ASSEMBLY 2	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



ASSEMBLY 3	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



ASSEMBLY 4	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF



ASSEMBLY 5	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
1	D, DSS, H, SW, Trio, Trio-E	16 Trio, Trio-E - 18	70	70	48	96	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600
2	D, DSS, H, SW, Trio, Trio-E	16 Trio, Trio-E - 18	70	70	48	96	Out Swing	Rim Exit Device	Corbin Russwin Sargent ASSA ABLOY ACCENTRA	ED5200S(A) x M107 HC8800, 12-HC8800 7150(F)WS/7250M(F)WS
3	D, DSS, H, SW, Trio, Trio-E	16 Trio, Trio-E - 18	70	70	48	96	Out Swing	Surface Vertical Rod	Corbin Russwin Sargent ASSA ABLOY ACCENTRA	ED5470(B) x M107 HC4-8700 7170(F)WS
4	D, DSS, H, SW, Trio, Trio-E	16 Trio, Trio-E - 18	70	70	48	96	Out Swing	Concealed Two Point Lock	Corbin Russwin Sargent	MP9800 (A/B) x M107 WS-12-7000, HC-12-7000
5	D, DSS, H, SW, Trio, Trio-E	16 Trio, Trio-E - 18	70	70	48	96	Out Swing or In Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin Sargent ASSA ABLOY ACCENTRA	ML2000 7800, 8200, R8200 8800
Hinges**	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick minimum steel hinges or any FBC approved butt hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, FM1111, or HG305; Pemko CFMSLF-HD continuous hinges or any FBC approved continuous hinge may be used								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used. Any FBC approved pivot may be used.								
Auxiliary Hardware		1" diameter and smaller preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875"; Securitron EPT, SEPT, and CEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options.

** HINGE SUBSTITUTIONS, WITH FBC COMPONENT APPROVALS, MAY BE USED AS LONG AS THE SUBSTITUTIONS ARE WITHIN THE LIMITING DESIGN PARAMETERS OF THIS APPROVAL AND THE COMPONENT APPROVAL.

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WOODBRIE, ON, CANADA L4L 3R5
Fleming **ASSA ABLOY**
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS

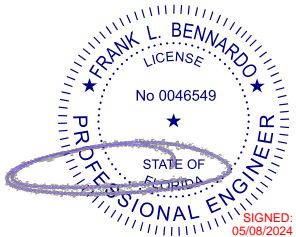
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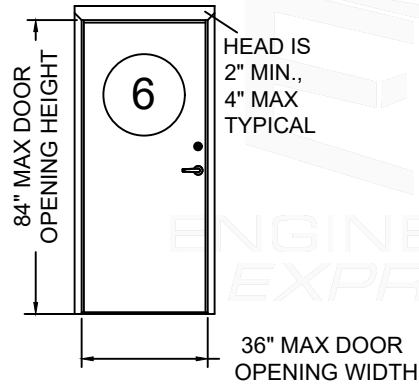
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CONCEALED ROD EXIT DEVICE
DATE: 06/17/2025

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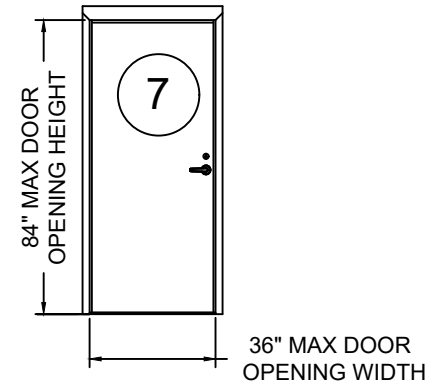
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CYLINDRICAL LOCK & CYLINDRICAL DEAD BOLT



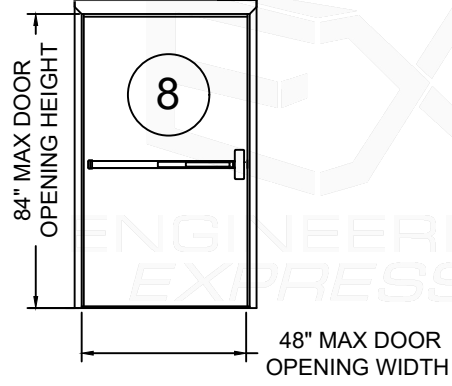
ASSEMBLY 6	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50PSF

MORTISE LOCK LATCH BOLT & DEAD BOLT



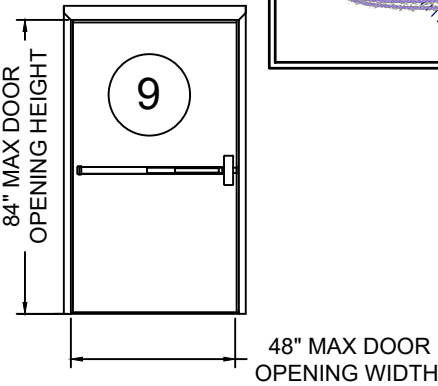
ASSEMBLY 7	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-70 PSF	+/-50 PSF

ROD EXIT DEVICE



ASSEMBLY 8	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-65 PSF	+/-50 PSF

RIM EXIT DEVICE



ASSEMBLY 9	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-65 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
6	D, DSS, E, H, SW	18	70	70	* 36	84	Out Swing or In Swing*	Cylindrical Lock & Cylindrical Dead Bolt	Corbin Russwin	CLX3300 DL3200 Deadbolt
									Sargent	6500,7,10X, 10XG77 480 Deadbolt
									ASSA ABLOY ACCENTRA	5400CK/5400LN D100 Deadbolt
7	D, DSS, E, H, SW	18	70	70	* 36	84	Out Swing or In Swing*	Mortise Lock Latch Bolt & Dead Bolt	Corbin Russwin	ML2000
									Sargent	7800, 8200, R8200
									ASSA ABLOY ACCENTRA	8800
8	D, DSS, H,SW	18	65	70	48	84	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600
9	D, DSS, E, H, SW	18	65	70	48	84	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Sargent	HC8800, 12-HC8800
									ASSA ABLOY ACCENTRA	7150(F)WS/7250M(F)WS
Hinges**	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick minimum steel hinges or any FBC approved butt hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, FM1111, or HG305; Pemko CFMSLF-HD continuous hinges or any FBC approved continuous hinge may be used								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used								
Auxiliary Hardware		1" diameter and smaller preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875"; Securitron EPT, SEPT, and CEPT may be used. Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options. ** HINGE SUBSTITUTIONS, WITH FBC COMPONENT APPROVALS, MAY BE USED AS LONG AS THE SUBSTITUTIONS ARE WITHIN THE LIMITING DESIGN PARAMETERS OF THIS APPROVAL AND THE COMPONENT APPROVAL.

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101 ASHBRIDGE CIRCLE
WOODBRIE, ON, CANADA L4L 3R5

Fleming Door Products
ASSA ABLOY

COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#16356.2)

REMARKS	DRWN	CHKD	DATE
INIT/ISSUE (12-CUI-03g-01)	KL	FLB	06/28/13
FBC UPDATE	RWN	CSL	06/12/15
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2020 FBC UPDATE	TAE	FLB	12/17/20
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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS

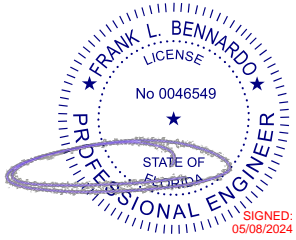
PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACT IS AT A SPEED OF 50 FEET PER SECOND OR 350 FT-LBS. PRODUCT MEETS REQUIREMENTS OF HIGH VELOCITY HURRICANE ZONE.

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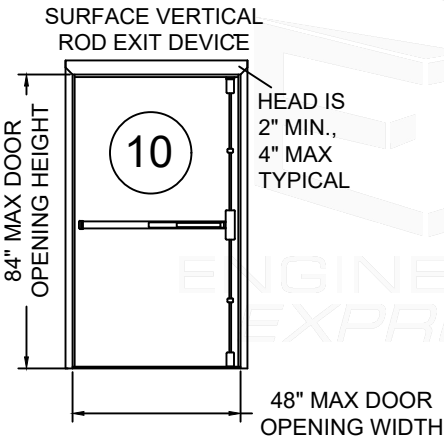
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DATE: 06/17/2025

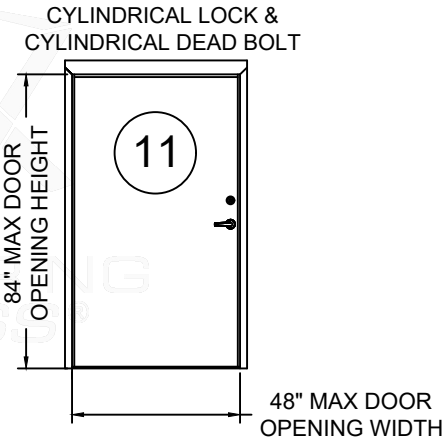
FRANK BENNARDO, PE
PE# 0046549 CA# 9885



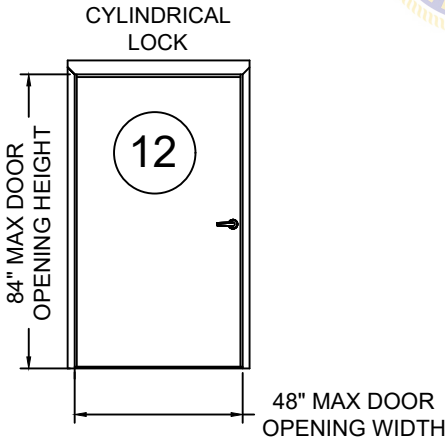
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ASSEMBLY 10	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-65 PSF	+/-50 PSF



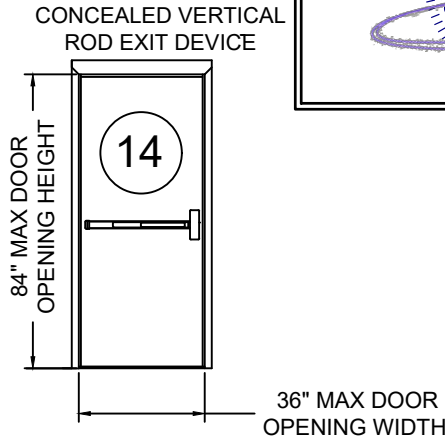
ASSEMBLY 11	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+65/-70 PSF	+/-50 PSF



ASSEMBLY 12	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-65 PSF	+/-50 PSF



ASSEMBLY 13	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+65/-70 PSF	+/-50 PSF



ASSEMBLY 14	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
10	D, DSS, H, SW	16	65	70	48	84	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
									Sargent	HC4-8700
									ASSA ABLOY ACCENTRA	7170(F)WS
11	D, DSS,E, H, SW	18	65	70	48	84	Out Swing	Cylindrical Lock & Cylindrical Dead Bolt	Corbin Russwin	CL3100 DL3200 Dead Bolt
									Sargent	11 Line 480 Dead Bolt
12	D, DSS, E, H, SW	18	65	70	48	84	Out Swing	Cylindrical Lock	Corbin Russwin	CL3100
									Sargent	11 Line
13	D, DSS, E, H, SW	18	65	70	48	84	Out Swing or In Swing*	Mortise Lock	Corbin Russwin	ML2000
									Sargent	7800, 8200, R8200
									ASSA ABLOY ACCENTRA	8800
14	D, DSS, E, H, SW	18	60	60	36	84	Out Swing	Concealed Vertical Rod	Sargent	HC-MD-8600, HC-MD-12-8600, WS-MD-8600, WS-MD-12-8600
Hinges**	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick minimum steel hinges or any FBC approved butt hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, FM1111, or HG305; Pemko CFMSLF-HD continuous hinges or any FBC approved continuous hinge may be used								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used								
Auxiliary Hardware		1" diameter and smaller preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875"; Securitron EPT, SEPT, and CEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

*In-Swing Configurations not approved for water infiltration. See Hardware notes for additional Hardware options.

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ASSA ABLOY
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#16356.2)

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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS

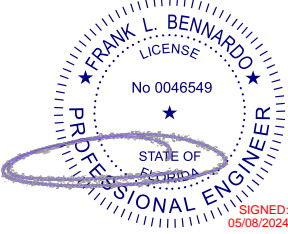
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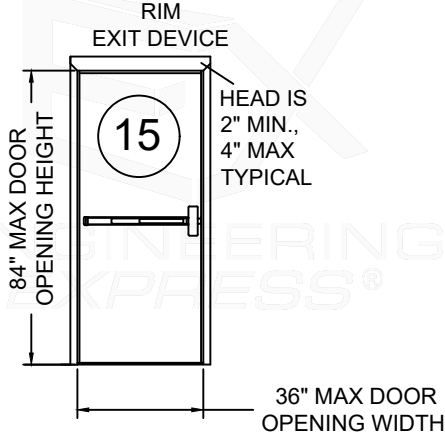
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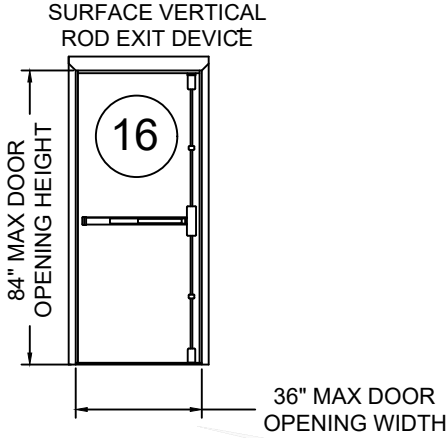
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PE# 0046549 CA# 9885



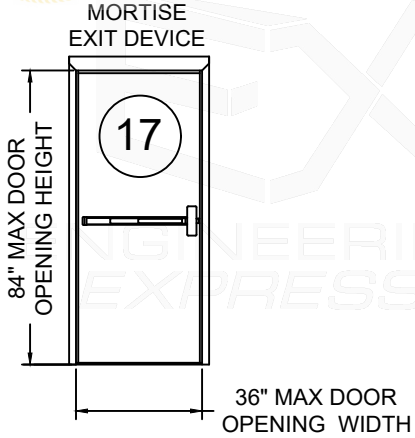
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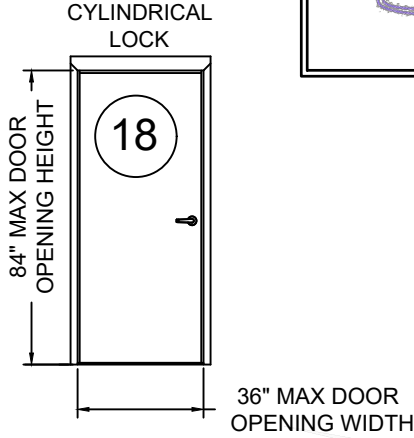
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Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF



ASSEMBLY 16	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF



ASSEMBLY 17	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-50 PSF



ASSEMBLY 18	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
15	D, DSS, E, H, SW	18	60	60	36	84	Out Swing	Rim Exit Device	Corbin Russwin	ED5200S(A) x M107
									Sargent	HC8800, 12-HC8800
									Sargent	WS-8800, 12-WS-8800
									VingCard Elsafe A/S	VC3000
									ASSA ABLOY ACCENTRA	7150(F)WS/7250M(F)WS
16	D, DSS, E, H, SW	18	60	60	36	84	Out Swing	Surface Vertical Rod	Corbin Russwin	ED5470(B) x M107
									Sargent	HC-8700
									ASSA ABLOY ACCENTRA	7170(F)WS
17	D, DSS, E, H, SW	18	60	60	36	84	Out Swing	Mortise Exit	Sargent	WS-8900 12-WS-8900
18	D, DSS, E, H, SW	18	60	60	36	84	Out Swing or Inswing*	Cylindrical Lock	Corbin Russwin	CL3100, CL3300, CL3800,
									Sargent	6500,7,10X, 10XG77
									ASSA ABLOY ACCENTRA	5300LN, 5400CK, 5400LN,
Hinges**	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick minimum steel hinges or any FBC approved butt hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, FM1111, or HG305; Pemko CFMSLF-HD continuous hinges or any FBC approved continuous hinge may be used								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used								
Auxiliary Hardware		1" diameter and smaller preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875"; Securitron EPT, SEPT, and CEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

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*In-Swing Configurations not approved for water infiltration.
See Hardware notes for additional Hardware options.

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WOODBIDGE, ON, CANADA L4L 3R5



COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#16356.2)

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2020 FBC UPDATE	TAE	FLB	12/17/20
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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS

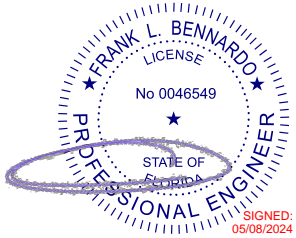
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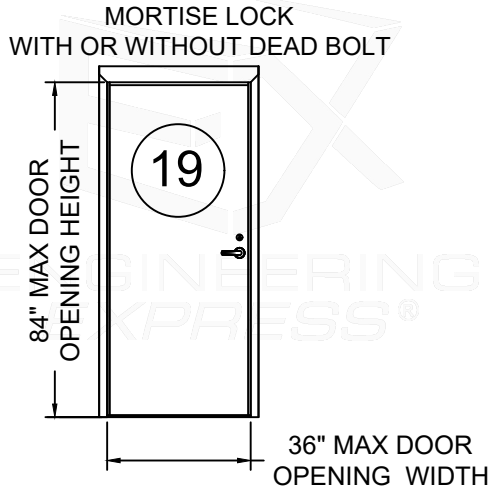
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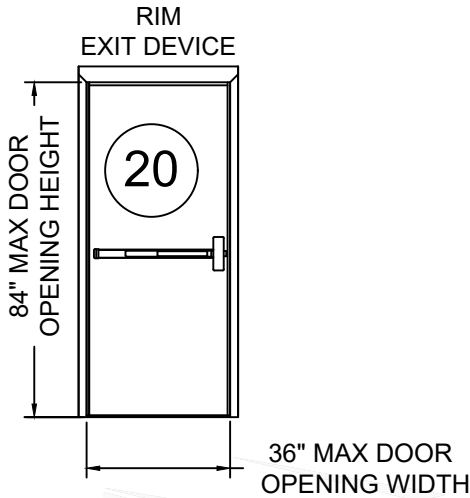
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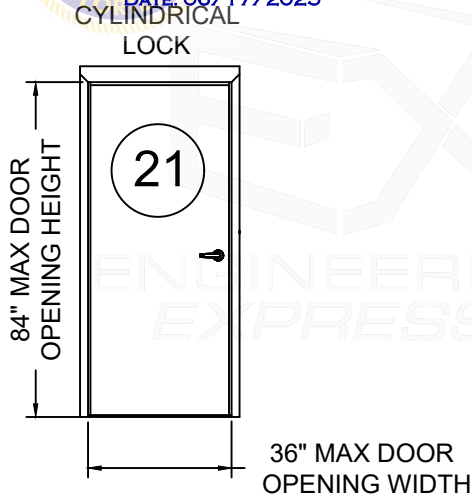
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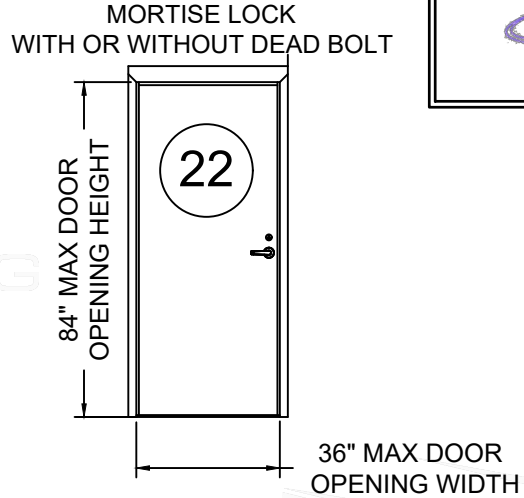
ASSEMBLY 19	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-60PSF	+/-50 PSF



ASSEMBLY 20	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF



ASSEMBLY 21	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF



ASSEMBLY 22	
Design Pressure Where Water Infiltration Is NOT Required	Design Pressure Where Water Infiltration IS Required
+/-50 PSF	+/-50 PSF

Assembly	Door Series	Minimum Door Gauge	Maximum Design Pressure (psf)		Maximum Door Opening (inches)		Door Swing	Latching Hardware Description		
			Positive	Negative	Width	Height		Type	Brand	Model
19	D, DSS, E, H, SW	18	60	60	36	84	Out Swing or In Swing*	Mortise Lock	Corbin Russwin	ML2000
									Sargent	7800, 8200, R8200
									VingCard Elsafe A/S	ANSI, Classic, Signature
									ASSA ABLOY ACCENTRA	8800
20	D, E	20	50	50	36	84	Out Swing	Rim Exit Device	ASSA ABLOY ACCENTRA	2100(F)WS
21	D, E	20	50	50	36	84	Out Swing	Cylindrical Lock	ASSA ABLOY ACCENTRA	4600LN
22	D, E	20	50	50	36	84	Out Swing or In Swing*	Mortise Lock	ASSA ABLOY ACCENTRA	8800
Hinges**	Butt	McKinney 4-1/2" x 4-1/2" 0.134" thick minimum steel hinges or any FBC approved butt hinges may be used. Any SDI member hinge locations may be used.								
	Continuous	Markar FM100, FM200, FM300, FM3500, FM100, FM1111, or HG305; Pemko CFMSLF-HD continuous hinges or any FBC approved continuous hinge may be used								
	Pivots	Rixson 195 Pivot set with M19 intermediate pivots may be used								
Auxiliary Hardware		1" diameter and smaller preparations for door position switches, Door position switches that fit in a cutout measuring 1.25" x 4.875"; Securitron EPT, SEPT, and CEPT may be used.								
		Maglocks may be used in addition to the hardware listed above. Viewers with 1" and smaller hole preparation may be used.								

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COMMERCIAL STEEL EXTERIOR DOORS
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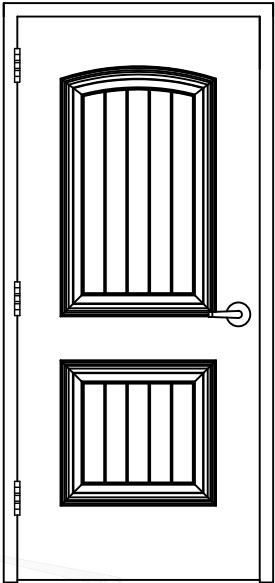
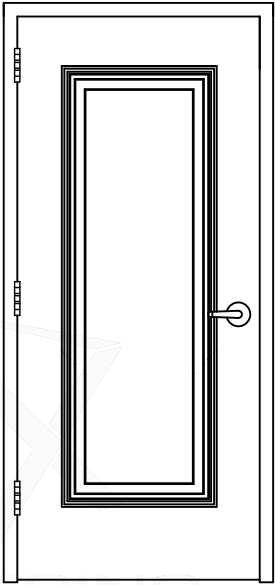
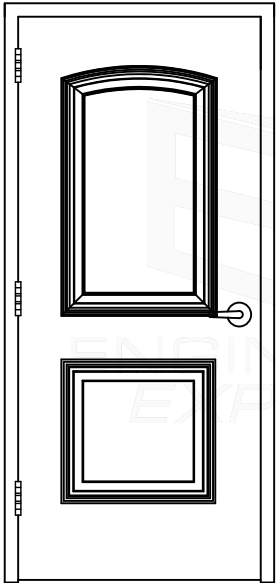
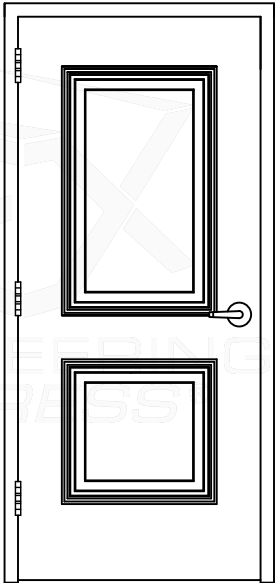
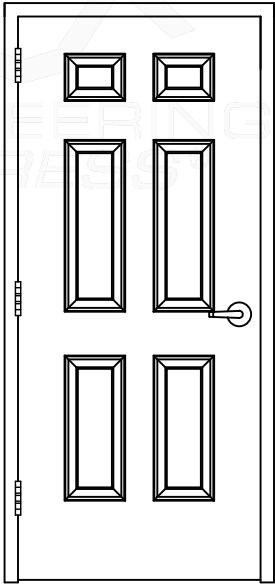
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FLEMING DOOR PRODUCTS FLUSH SINGLE DOORS ADDITIONAL ELEVATIONS

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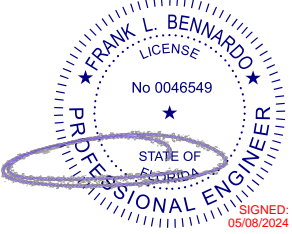
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OPTIONAL ELEVATIONS



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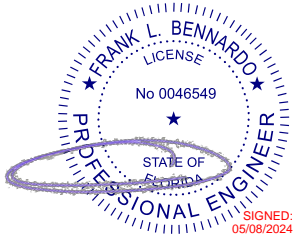
FLEMING DOOR PRODUCTS SINGLE DOOR FRAME INFORMATION

PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACT IS 90 FT X 4 FT @ 50 FEET PER SECOND OR 350 FT-LB. PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

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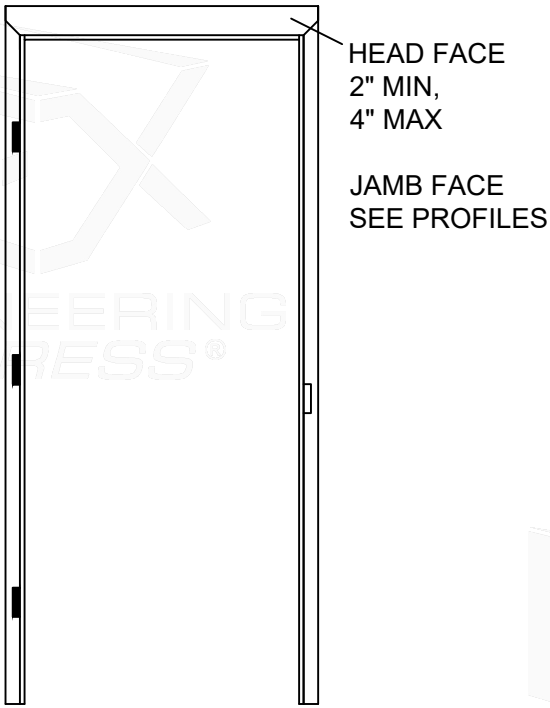
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DATE: 06/17/2025

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PE# 0046549 CA# 9885

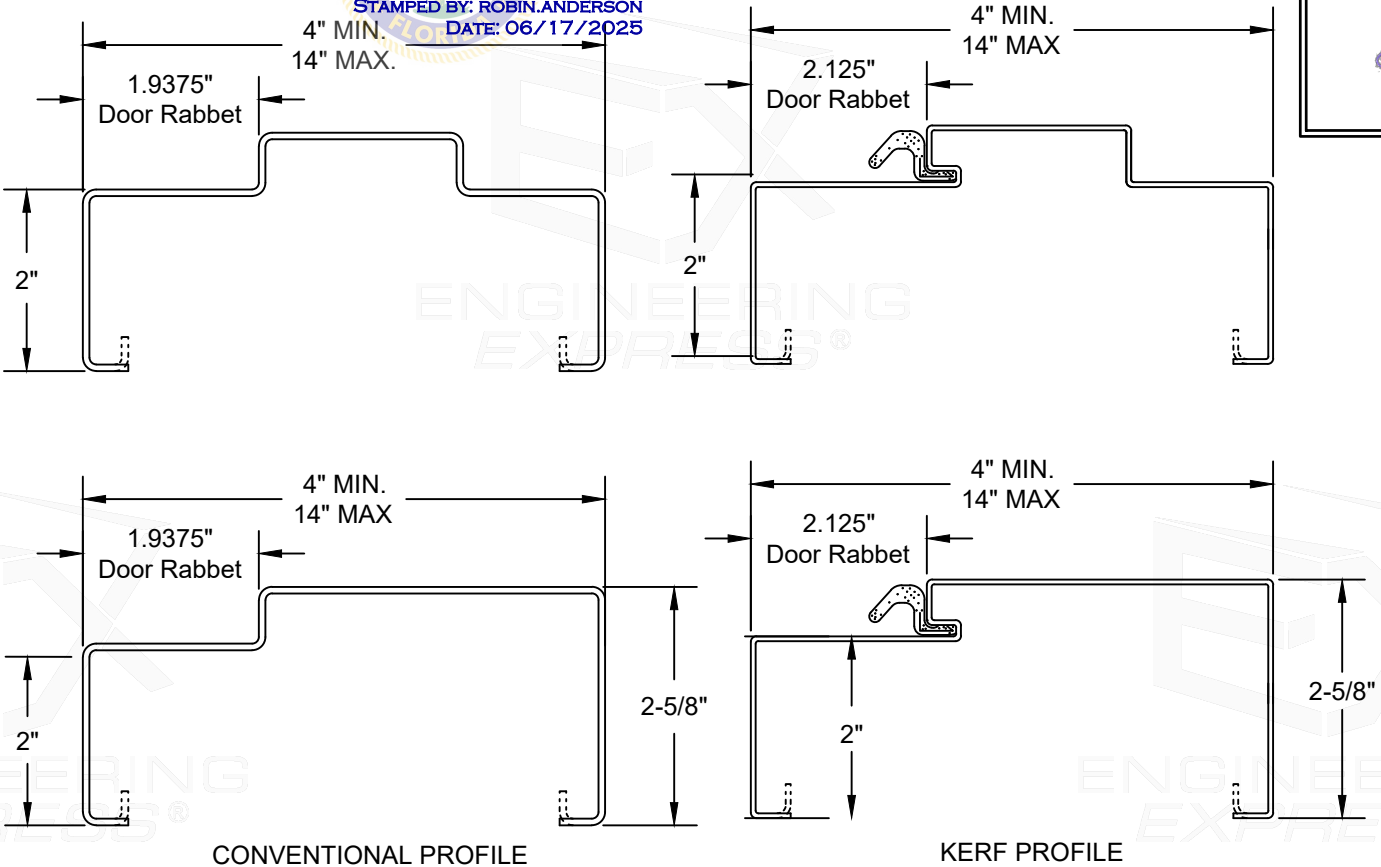


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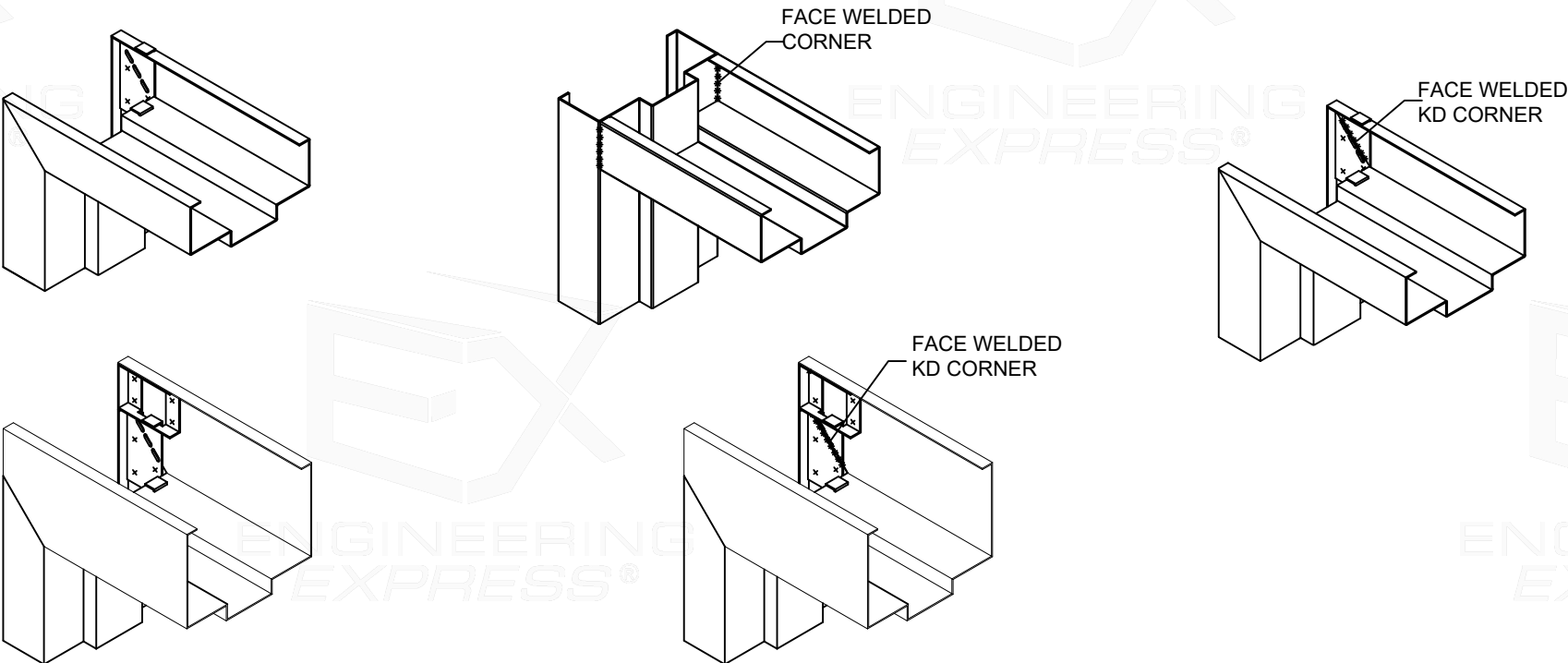
FRAME PROFILES



4080 ± 70 PSF MAX. DESIGN PRESSURE
4" MIN./14" MAX. DEPTH
KD 16 GA. MIN.
WELDED 16 GA MIN., 12 GA. MAX.
FOUR SIDED FRAME WITH WELDED CORNERS ALSO PERMITTED



FRAME CONSTRUCTION OPTIONS



FL# 16356.2

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FLEMING DOOR PRODUCTS
DIVISION OF ASSA ABLOY DOOR GROUP, INC.
101 ASHBURIDGE CIRCLE
WOODBIDGE, ON, CANADA L4L 3R5
Fleming Door Products
ASSA ABLOY
COMMERCIAL STEEL EXTERIOR DOORS
FLUSH SINGLE DOORS (LMI) - FBC (2023)
FLORIDA STATEWIDE APPROVAL (FSA FL#16356.2)

REMARKS	DRWN	CHKD	DATE
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2023 FBC (PREV 20-34846)	AMZ	RS	10/18/23

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FLEMING DOOR PRODUCTS FRAME ANCHOR INFORMATION

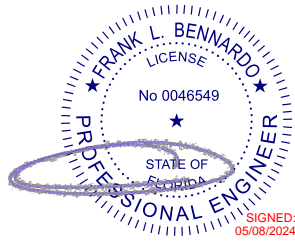
PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACTS 9 LB 2 X 4 FT @ 50 FEET PER SECOND OR 350 FT-LB. PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

RENEWED FOR CODE COMPLIANCE

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DATE: 06/17/2025

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PE# 0046549 CA# 9885



MAY 8, 2024

EXISTING MASONRY OR POURED CONCRETE, 3000 psi MIN.
WELDED PIPE SPACER OR EWA ANCHOR WITH 3/8"
EXPANSION ANCHOR BOLTS USING 3/8" GRADE 5 BOLT
MINIMUM EDGE DISTANCE = 4.0"
MAXIMUM SHIM THICKNESS = 0.25"

HILTI KWIK BOLT 3 OR
POWERS LOK-BOLT

2 3/8" MIN.

16 GA (0.053" MIN)
PIPE SPACER ANCHOR

16 GA (0.053" MIN)
EWA ANCHOR

TO SUIT
JAMB DEPTH

TO SUIT
JAMB DEPTH

1/4" MAX. THICK A-36 STEEL SHIMS WELDED TO STRUCTURAL
BUILDING MEMBER WITH FILLET WELDS MEASURING 2" LONG
USING E6018 ELECTRODES. FILLET WELD SIZE SAME AS SHIM
THICKNESS FOR 0.053" TO 0.125" SHIM THICKNESS. WELD SIZE
1/8" FOR > 0.125" TO 1/4" SHIM THICKNESS.

STEEL SHIMS WELDED
TO BUILDING STRUCTURE
WELD HOLLOW METAL FRAME
TO SHIM WITH 3/16" WELD,
1" LONG BOTH SIDES OF FRAME

2" X 7" STEEL SHIM
PLATE(S), OR TO SUIT
FRAME JAMB DEPTH

MAXIMUM SHIM
SPACE 1/4"

1.25" GREATER THAN
JAMB DEPTH

MAXIMUM SHIM THICKNESS 0.25
CMU BLOCK AND THROAT OF FRAME
FILLED WITH 3000 PSI MORTAR

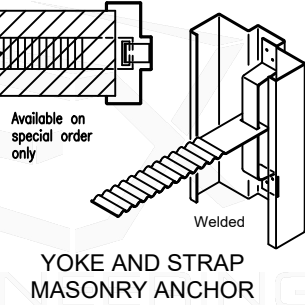
MASONRY WIRE ANCHOR
0.165" DIA. MIN.

16 GA (0.053" MIN)
MASONRY T ANCHOR

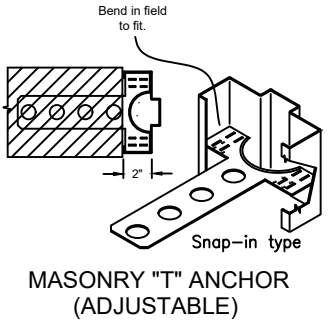
OPERATING
RANGE 3" - 8 3/4"

Expansion Shell Anchor Requirements for Jamb

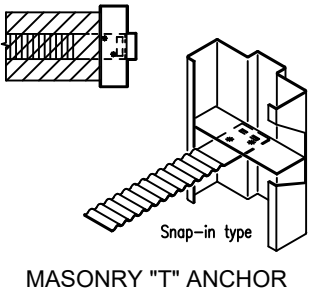
Opening Height (inches)	Up to an including 70 psf		
	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	5	19
90	12	5	19
96	12	6	19



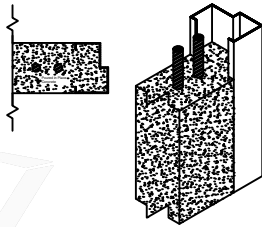
YOKE AND STRAP
MASONRY ANCHOR



MASONRY "T" ANCHOR
(ADJUSTABLE)



MASONRY "T" ANCHOR



POURED IN PLACE WALL

Masonry T, Masonry Wire, and Masonry Strap, and
Welded to the Building Structure
Anchor Requirements for Jamb

Opening Height (inches)	Up to an including 70 psf		
	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	4	28
90	12	4	28
96	12	4	28
Requirements for Heads of Paired Frames Using Expansion 70 psf 2 anchors in the head			

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FLEMING DOOR PRODUCTS FRAME ANCHOR INFORMATION

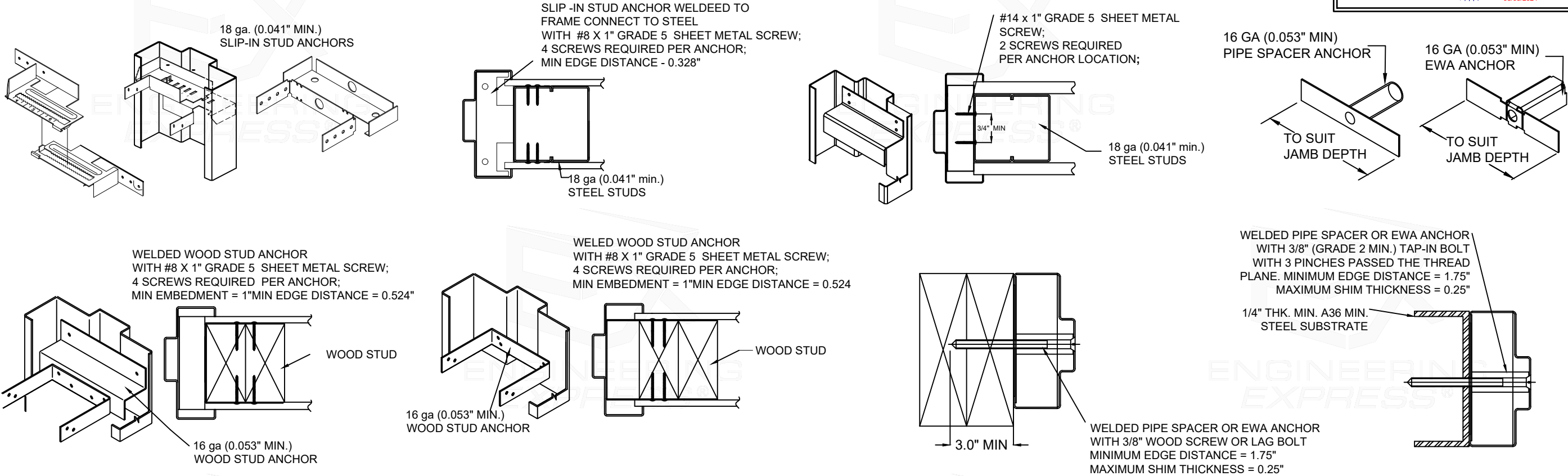
PRODUCTS ILLUSTRATED IN THIS DOCUMENT ARE QUALIFIED FOR LARGE AND SMALL MISSILE IMPACT. LARGE MISSILE IMPACTS ARE 145 AND 200 LBS. MISSILE VELOCITY IS 50 FEET PER SECOND OR 350 FT-LB. PRODUCT MEETS REQUIREMENTS OF THE HIGH VELOCITY HURRICANE ZONE.

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FRANK BENNARDO, PE
PE# 0046549 CA# 9885

FRANK L. BENNARDO
LICENSE
No 0046549
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
SIGNED:
05/08/2024

MAY 8, 2024



Stud Anchor Requirements for Jamb of Single Frames			
Up to an including 70 psf			
Opening Height (inches)	Max. Distance From End of Jamb	Min. Anchor Quantity	Maximum Spacing (inches)
Up to 84"	12	4	22
90	12	4	22
96	12	4	22

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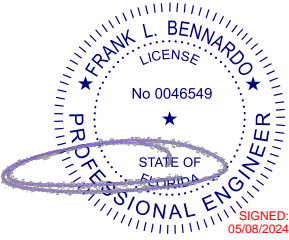
FLEMING DOOR PRODUCTS WEATHERSTRIP INFORMATION

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PEMKO WEATHERSTRIP USED ON SINGLE FLEMING DOORS AND FRAMES WHERE WATER INFILTRATION IS NOT REQUIRED.

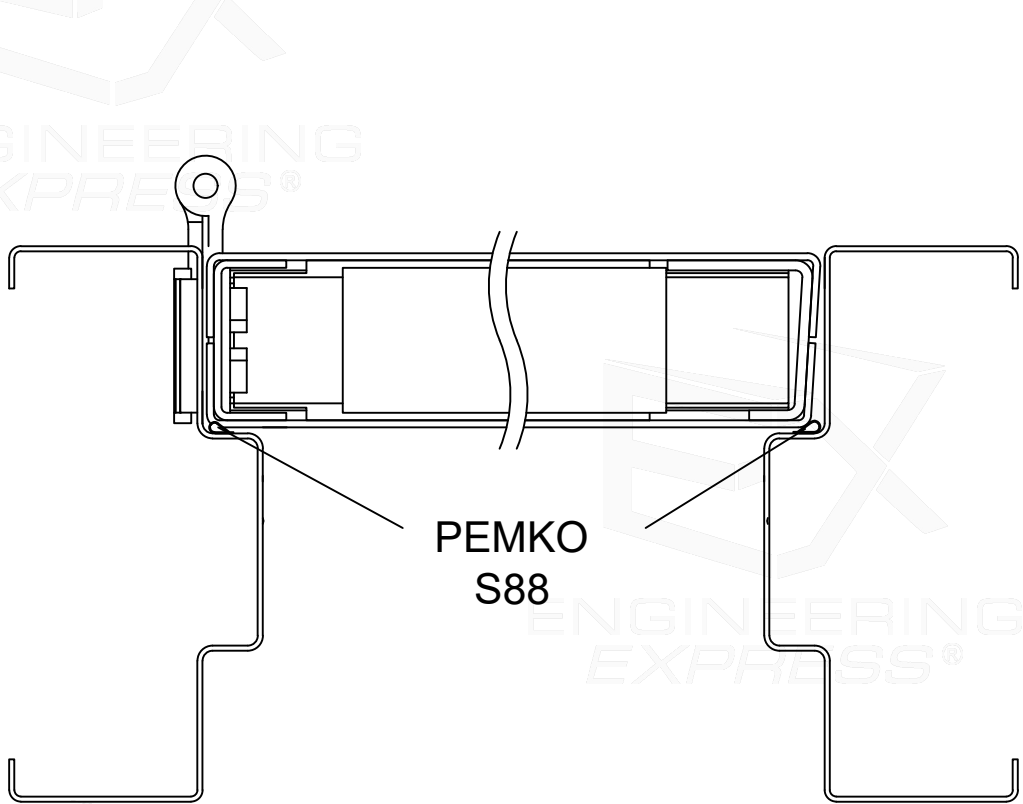
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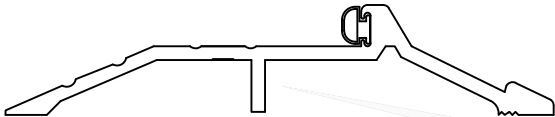
PEMKO
S88



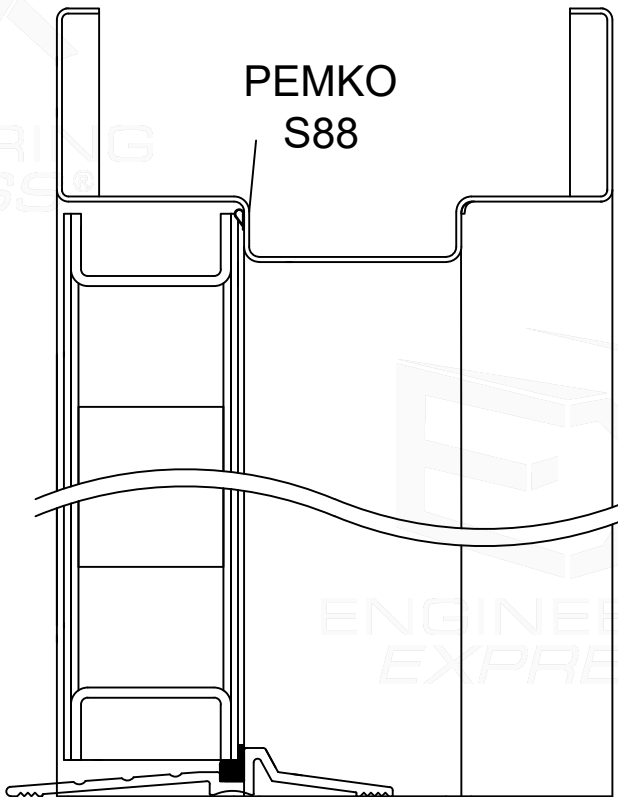
PEMKO
S88



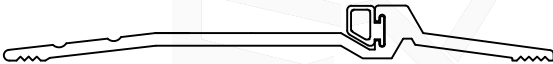
PEMKO
303



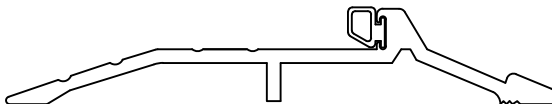
PEMKO 181



PEMKO
S88



PEMKO
2005



PEMKO 177

PEMKO
2005

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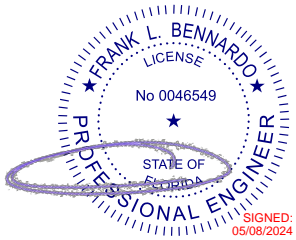
PEMKO WEATHERSTRIP USED ON SINGLE FLEMING DOORS AND FRAMES WHERE WATER INFILTRATION IS REQUIRED.

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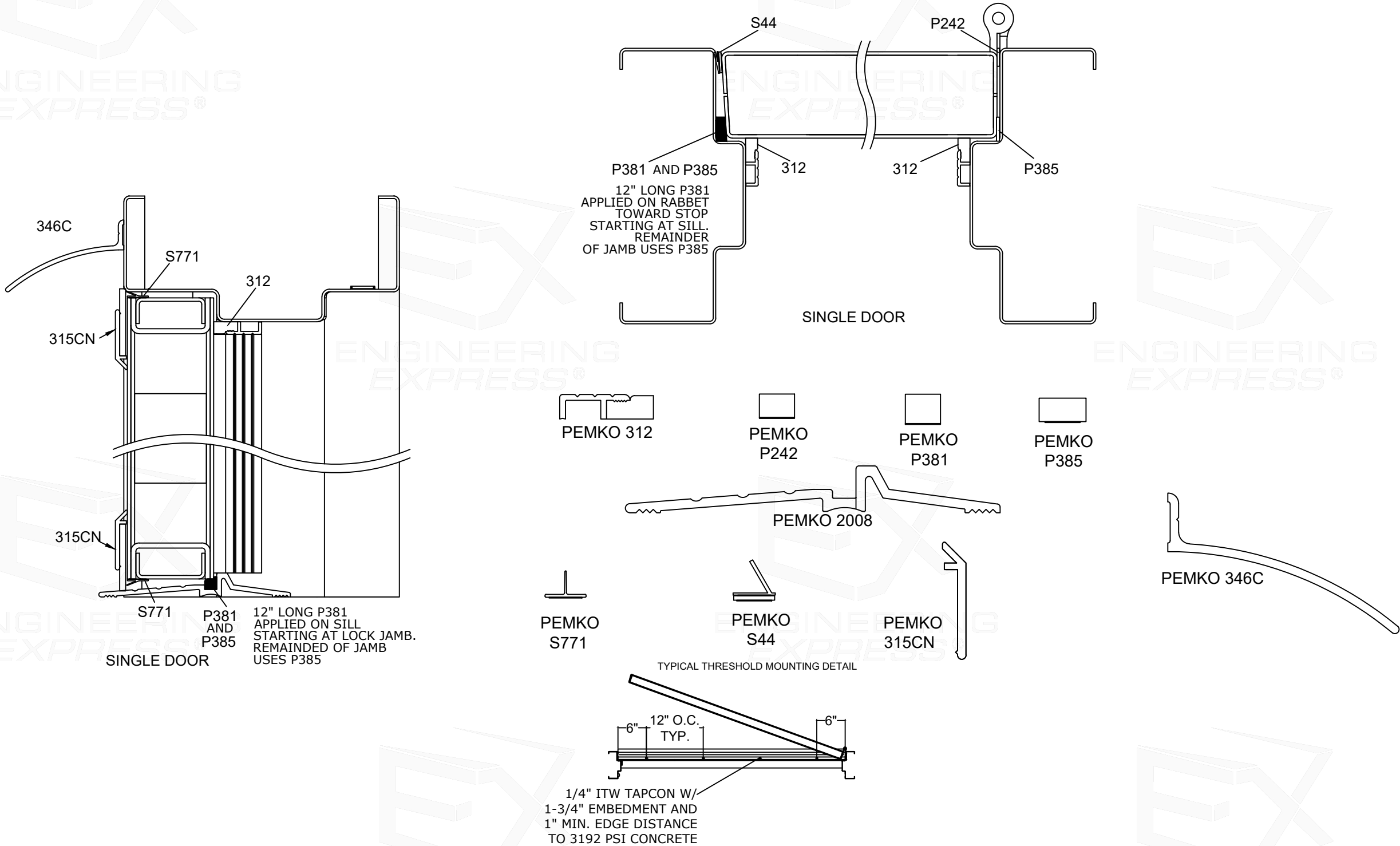
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HARDWARE NOTES

CORBIN RUSSWIN

THE ED5200(S)A RIM EXIT AND THE ED5470(B) X M107 SURFACE VERTICAL ROD MAYBE SUFFIXED BY MER. MAY USE M94 WITH ANY COMBINATION OF THE M61, M92, M93, OR M1 SUFFIXES.

THE ED5200(S)A X M107 RIM EXIT AND THE ED5470(B) X M107 SURFACE VERTICAL ROD MAY INCLUDE 900 SERIES TRIMS 9600, 9700, 9800 SERIES ACCESS CONTROL TRIMS OR THE 9900 SERIES ELECTRIFIED TRIMS.

THE MP9800 (A/B) X M107 SERIES CONCEALED MULTI-POINT LOCK MAY INCLUDE THE OPTIONS: M91, M92, M93, 903, 904, ACCESS 600, IN, INB, SE.

USE CRFE772A, CRFE772A, CRFE708A OR CRWS700AKM HARDWARE MULLION WITH THE ED5200(S)A / ED4200(S)A X M107 RIM EXIT

ON PAIRS OF DOORS, ONE LEAF OF THE PAIR UTILIZING WITH THE ED5470(B) X M107 SURFACE VERTICAL ROD OR MP9800 (A/B) X M107 SERIES CONCEALED MULTI-POINT LOCK MAY BE REPLACED WITH TWO 988CR SURFACE BOLTS. THE LOCAL BUILDING OFFICIAL MUST APPROVE THIS CONFIGURATION OF HARDWARE FOR USE IN A MEANS OF EGRESS.

THE ML2000 SERIES MORTISE LOCKS, SERIES CLX3300 SERIES CYLINDRICAL LOCKS, ED5200(S)A X M107 RIM EXIT, AND ED5470(B) X M107 SURFACE VERTICAL ROD MAY BE PREFIXED IN-IP, IN-IPS, IN-CP, IN-IP-MB, IN-IP-MW, IN-IPS-MB, IN-IPS-MW, IN-CP-MP, AND IN-CP-MW.

THE ML2000 SERIES MORTISE LOCKS, SERIES CLX3300 SERIES CYLINDRICAL LOCKS, ED5200(S)A X M107 RIM EXIT MAY BE PREFIXED PIP1-IPSKM, PWI1-IPSKM, PIP1-CPKM, PWI1-CPKM, PIP1-IPSM, PWI1-IPSM, PIP1-CPM, AND PWI1-CPM.

THE IN 120 ACCESS CONTROL MAY BE USED WITH CLX3300 CYLINDRICAL LOCK OR ML2000 MORTISE LOCK.

HES

THE 1006 SERIES ELECTRIC STRIKE MAYBE USED ON 4'0" X 8'0" AND SMALLER SINGLE OR 8'0" X 8'0" AND SMALLER PAIRS OUT SWINGING DOORS OF 70 PSF OR LESS.

THE 9600 SERIES ELECTRIC STRIKE MAY BE USED WITH THE SARGENT HC8800 SERIES RIM EXIT AT DESIGN PRESSURES OF 70 PSF OR LESS.

THE 9700 SERIES ELECTRIC STRIKE MAY BE USED WITH THE CORBIN RUSSWIN ED5200(S)A AND THE ASSA ABLOY ACCENTRA 7150(F)WS / 7250M(F)WS RIM EXITS AT DESIGN PRESSURES OF 70 PSF OR LESS.

SECURITRON 1500 / 1500E STRIKE MAY BE USED ON 3'0" X 7'0" AND SMALLER SINGLE OUT SWINGING ASSEMBLIES WITH MORTISE LOCKS AND LATCH BOLT ONLY AT DESIGN PRESSURES OF 60 PSF OR LESS.

SECURITRON 1600 / 1600E STRIKE MAY BE USED ON 4'0" X 8'0" AND SMALLER SINGLE OUT SWINGING ASSEMBLIES WITH MORTISE LOCKS WITH LATCH BOLT AND DEAD BOLT OF 70 PSF AND LESS.

SARGENT

THE HC8800 SERIES RIM EXIT, WS 8800 SERIES RIM EXIT, AND WS-8900 SERIES MORTISE EXIT MAYBE PREFIXED 53, 55, 55-56, 56, 57, 58, AWE, B, BT, ET, KP, LK, LU, M1, N1, N2, PA, PK, P1, P2, IPSKM, CPKM, IPSM, CPM, IM, IKM, PRX, S1, S2, S3, IA, IK, IN, TK, TL, TP AND TU.

USE HC980, 12-HC980, HCL980, 12-HCL980 HARDWARE MULLION WITH THE HC8800 SERIES RIM EXIT.

SERIES HT-56- CAN BE USED SAME AS THE 53-56- ON THE 80 SERIES DEVICES. EXCEPTIONS INCLUDE THE FOLLOWING PREFIXES EITHER USED ALONE OR IN COMBINATION: 53-, 55-, 57-, 58-, 59- AND AL. ALL 80 SERIES EMPLOYING HIO TECHNOLOGY AND THE 55 OPTION ARE DESIGNATED HT-55-.

THE MD8600 SERIES CONCEALED VERTICAL ROD EXIT AND 7000 SERIES CONCEALED MULTI-POINT LOCK MAY BE PREFIXED 53, 55, 56, 58, 59, BT & ET.

ON PAIRS OF DOORS, ONE LEAF OF THE PAIR UTILIZING WITH THE MD8600 SERIES CONCEALED VERTICAL ROD EXIT, 7000 CONCEALED MULTI-POINT LOCK OR HC4-8700 / HC-8700 SURFACE VERTICAL ROD MAY BE REPLACED WITH TWO 988CR SURFACE BOLTS. THE LOCAL BUILDING OFFICIAL MUST APPROVE THIS CONFIGURATION OF HARDWARE FOR USE IN A MEANS OF EGRESS.

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BUTT HINGES

- 2 HINGES ARE REQUIRED FOR DOORS UP TO AND INCLUDING 60 INCHES IN HEIGHT
- 3 HINGES ARE REQUIRED FOR DOORS OVER 60 INCHES IN HEIGHT AND UP TO AND INCLUDING 90" IN HEIGHT
- 4 HINGES ARE REQUIRED FOR DOORS OVER 90 INCHES IN HEIGHT AND UP TO AND INCLUDING 96" IN HEIGHT

ADDITIONAL HINGES BEYOND THOSE REQUIRED MAY BE REQUIRED.

ASSA ABLOY ACCENTRA

7150(F)WS / 7250M(F)WS Rim Exit and 7170(F)WS Surface Vertical Rod may be suffixed with any combination of A, B, O, or S. These devices may be prefixed by Sym and can include 500F or 600F Series Trims.

Use M200FWS or KRM200FWS Mullion with the 7150(F)WS / 7250M(F)WS Rim Exit.

On pairs of doors, one leaf of the pair utilizing with the 7170(F)WS Surface Vertical Rod may be replaced with two 988CR surface bolts. The local building official must approve this configuration of hardware for use in a means of egress

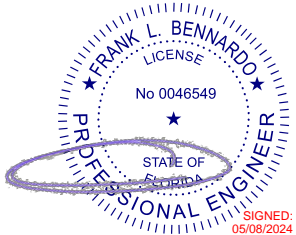
Access Control may be used

Securitron

The MUNL may be used on 60 psf rated single 3'0" x 7'0" assemblies with a mortise Corbin Russwin ML2000, Sargent 7800/8200/R8200, or ASSA ABLOY ACENTRA 8800 mortise lock. The UNL may be used on 60 psf rated single 3'0" x 7'0" assemblies with a Corbin Russwin CL3100 / CL3300 / CL3800, Sargent 6500 / 7 /10X, or ASSA ABLOY ACCENTRA / 5300LN / 5400CK / 5400LN Cylindrical Locks.

THE HARDWARE MODELS BELOW MAY ALSO BE USED FOR THE SIZES AND DESIGN PRESSURES INDICATED. CONCEALED VERTICAL RODS AND SURFACE VERTICAL RODS MAY BE USED IN A PAIRED CONFIGURATION. RIM EXITS MAY BE USED IN PAIRED CONFIGURATION WITH A HURRICANE RATED MULLION					
DESIGN PRESSURE	SIZE	HARDWARE TYPE	MIN, GAUGE	CORBIN RUSSWIN	SARGENT
60	3'-0" x 7'-0"	MORTISE EXIT	18	PED5600 M107 PED5600 A M107*	WS-PE8900 WS-12-PE8900*
60	3'-0" x 7'-0"	RIM EXIT	18	PED5200 HC PED5200 A HC* PED5200 M107 PED5200 A M107*	HC-PE8800 12-HC-PE8800* WS-PE8800 WS-12-PE8800*
60	3'-0" x 8'-0" SINGLE 6'-0" x 8'-0" PAIR	CONCEALED VERTICAL ROD	16	PED5800 MD 107 PED5800 MD HC	HC-MD-PE8600 WS-MD-PE8600
60	3'-0" x 8'-0" SINGLE 6'-0" x 8'-0" PAIR	RIM EXIT	16	PED5200 HC PED5200 A HC*	HC-PE8800 12-HC-PE8800*
60	3'-0" x 8'-0" SINGLE 6'-0" x 8'-0" PAIR	SURFACE VERTICAL ROD	16	PED5400 HC	HC-PE8700
70	4'-0" x 8'-0" SINGLE 8'-0" x 8'-0" PAIR	CONCEALED VERTICAL ROD	16	PED5800 MD 107 PED5800 MD HC	HC-MD-PE8600 WS-ME-PE860
70	4'-0" x 8'-0" SINGLE 8'-0" x 8'-0" PAIR	RIM EXIT	16	PED5200 HC PED5200A HC*	HC-PE8800
70	4'-0" x 8'-0" SINGLE 8'-0" x 8'-0" PAIR	SURFACE VERTICAL ROD	16	PED5400 HC	HC-PE8700
150	4'-0" x 8'-0" SINGLE 8'-0" x 8'-0" PAIR	SURFACE VERTICAL ROD	14	PED5400 HC4 PED5400 A HC4*	HC4-8700 12-HC4-PE8700*
*INDICATED A FIRE RATED EXIT HARDWARE MAY BE USED ON A SINGLE DOOR					

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The Diamond Heritage
over John Anderson Dr.
Ormond Beach 32176

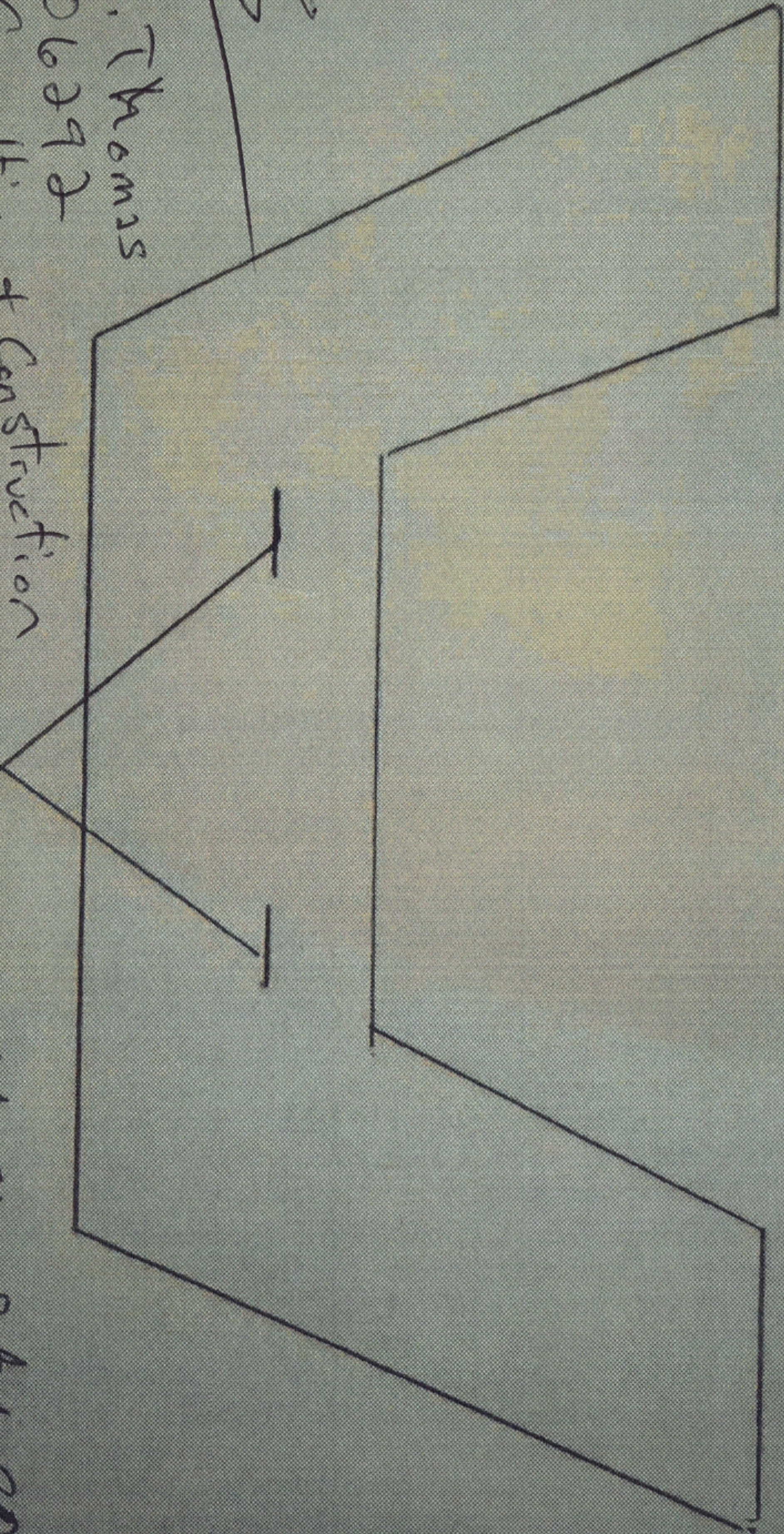
REVIEWED FOR CODE COMPLIANCE

*APPROVAL OF PLANS DOES NOT GRANT
PERMISSION TO VIOLATE ANY APPLICABLE
LAW, CODE OR ORDINANCE

FLORIDA PRODUCT APPROVAL
(FPA) PRODUCT APPROVAL ON
DRAWING 2025-06-04_V1 ;
STAMPED BY: ROBIN.ANDERSON
DATE: 06/17/2025

6/4/25


Brad M. Thomas
CGC 1506292
Thomas Consulting & Construction



40 x 82 Steel Fire Rated 90 min. @ 0000
We are going to replace 3rd thru 8th
floor 2 on each. Trunk @ 0000.

FL # 14237.1 / FL 16356.2