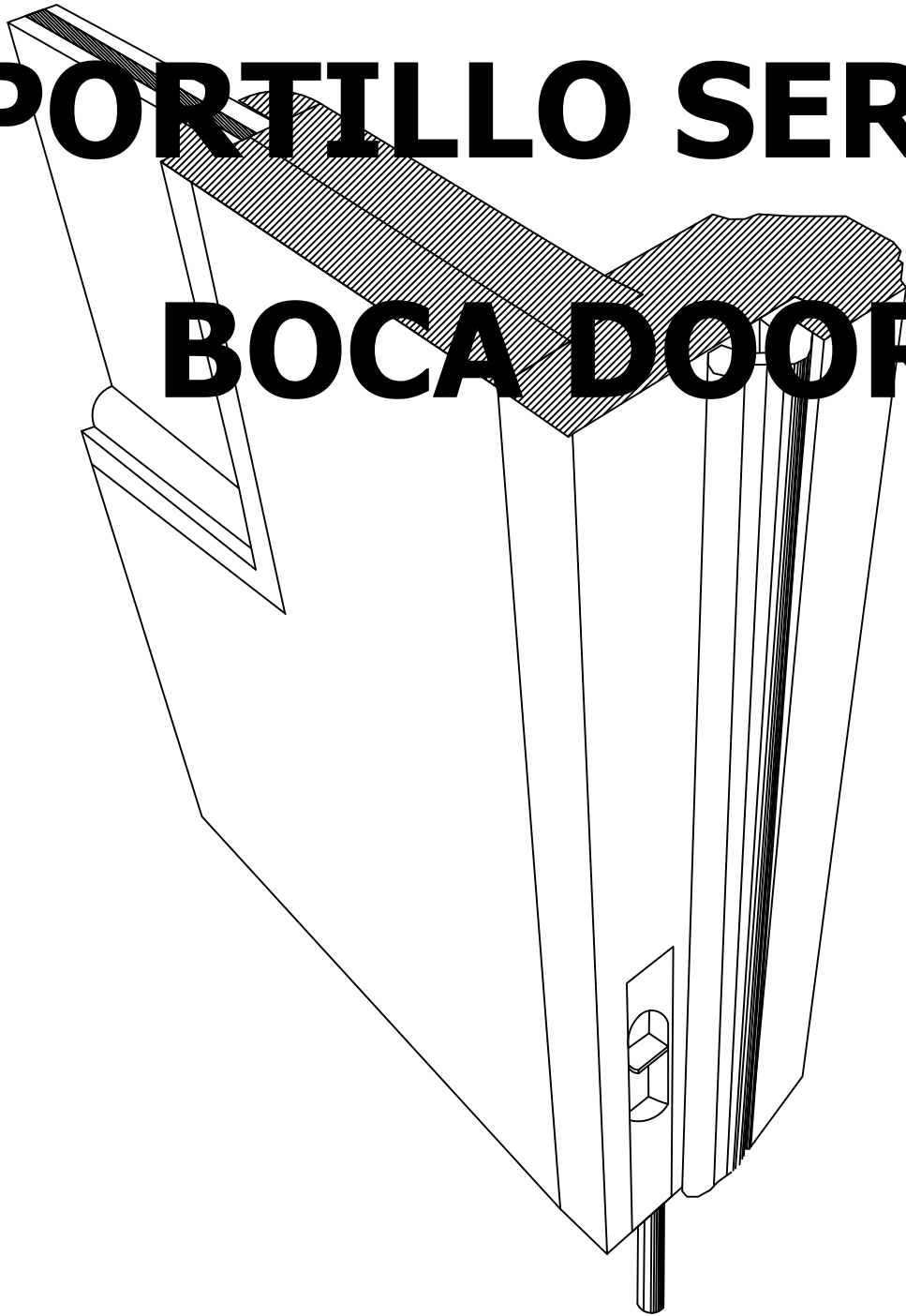


PORTILLO SERIES BOCA DOOR



PORTILLO BOCA SERIES IMPACT RESISTANT BI-FOLD OUTSWING ENTRANCE DOORS
GENERAL NOTES:

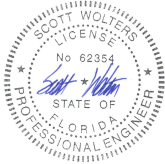
1. THIS APPROVAL APPLIES TO (2) AND (4) PANEL IMPACT RESISTANT BI-FOLDING OUTSWING PORTILLO SERIES BOCA DOORS.
2. ALLOWABLE DESIGN PRESSURE: +/-65 PSF.
3. THESE DOORS HAVE BEEN DESIGNED AND TESTED PER TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
4. THIS PRODUCT AS SHOWN HEREIN IS LARGE AND SMALL MISSILE IMPACT RESISTANT. SHUTTERS ARE NOT REQUIRED.
5. WOOD OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED TO TRANSFER LOADS TO THE STRUCTURE.
6. ANCHOR TYPE, SIZE, SPACING, AND EMBEDMENT SHALL BE AS INDICATED IN THIS APPROVAL. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO.
7. ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS.
8. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH FBC CHAPTERS 20 AND 23.
9. A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY. THE 4/3 ALLOWABLE INCREASE IN STRESS FOR WIND HAS NOT BEEN USED IN THE ANALYSIS FOR THIS SYSTEM.
10. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.
11. MEMBERS NOTCHED AS NEEDED TO FIT HARDWARE.
12. ALL HARDWARE SEALED WITH CLEAR GE SILICONE I WINDOW AND DOOR CAULK.

REV.	DATE	DESCRIPTION	BY
0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	
2	12/17/2012	3RD SUBMITTAL	
3	10/13/2026	CODE UPDATE	

PROJECT NAME:	PORTILLO SERIES BOCA DOOR
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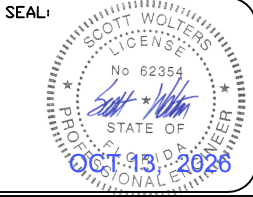
DRAWING #	001
SCALE	NTS
SHEET	1 of 10



Digitally signed
by Scott Walters
Date: 2026.10.13
10:02:38 -04'00'

SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
PH/FAX:(954) 921-5828



OX XO

SHAPES CONSIDERED AS PART OF THIS APPROVAL

HINGE REQUIREMENTS	
DOOR HEIGHT	# HINGES REQ'D MAX SPACING 27 3/8"
8' - 2"	4

MAX DESIGN PRESSURE

+/- 65 PSF

BILL OF MATERIALS				
WOOD DOOR COMPONENTS				
CODE	PART NO.	DESCRIPTION	MATERIAL [⚠]	MANUFACTURER
1	FIDS-1	HEAD AND JAMB RABBETED AND KERFED	SOLID MAHOGANY	FLORIDA IMPACT DOOR
2	FIDS-2	STILES AND TOP RAIL*	MAHOGANY	FLORIDA IMPACT DOOR
3	FIDS-3	BOTTOM RAIL*	MAHOGANY	FLORIDA IMPACT DOOR
4	FIDS-4	GLASS STOP	SOLID MAHOGANY	FLORIDA IMPACT DOOR
5	FIDS-5	THRESHOLD SILL CAP	SOLID MAHOGANY	FLORIDA IMPACT DOOR
6	FIDS-6	DOOR BRACE	SOLID MAHOGANY	FLORIDA IMPACT DOOR
7	FIDS-7	ASTRAGAL*	MAHOGANY	FLORIDA IMPACT DOOR
8	FIDS-8	ASTRAGAL COVER	SOLID MAHOGANY	FLORIDA IMPACT DOOR
9	FIDS-9	TOP RAIL TENDON	SOLID MAHOGANY	FLORIDA IMPACT DOOR
10	FIDS-10	BOTTOM RAIL TENDON	SOLID MAHOGANY	FLORIDA IMPACT DOOR
DOOR HARDWARE				
1A	FIDS-1A	STRIKE PLATE	ALUMINUM-6063-T6	FLORIDA IMPACT DOOR
2A	FIDS-2A	REINFORCING PLATE @ DOOR LEAF TOP AND BOTTOM	ALUMINUM-6063-T6	FLORIDA IMPACT DOOR
3A	FIDS-3A	DOOR BRACE PLATE	ALUMINUM-6063-T6	FLORIDA IMPACT DOOR
4A	DBFD400NRN	DRDP BOLT - BOTTOM	ALUMINUM-6063-T6/SS	CENTOR
5A	DBS45B	HINGE	BRASS	DELTANA
6A	12EFB26D	FLUSH BOLT	BRASS	DELTANA
7A	DBFD600NRN	DRDP BOLT - TOP	ALUMINUM/STAINLESS STEEL	CENTOR
8A	6-29385-11-0-8	GU MULTIPPOINT DOOR LOCK SYSTEM	STAINLESS STEEL	G-U
1AB	FIDS-1AB	STRIKE PLATE	ALUMINUM-6063-T6	FLORIDA IMPACT DOOR
FASTENERS/MISC				
1B	N/A	#12 X 2 1/4" SMS SCREW PFHD	STAINLESS STEEL	N/A
2B	N/A	#12 X 1 3/4" SMS SCREW PFHD***	ZINC**	N/A
3B	N/A	#12 X 3/4" SMS SCREW PFHD***	ZINC**	N/A
4B	N/A	#8 X 1 1/4" SMS SCREW PFHD***	ZINC**	N/A
5B	4866	HIGH DAM THRESHOLD	ALUMINUM-6063-T6	N/A
6B	N/A	#8 X 3/4" SMS SCREW PFHD***	STAINLESS STEEL	N/A
7B	N/A	#12 X 1 1/4" SMS SCREW PFHD	ZINC**	N/A
8B	QEBD-650C8	WEATHER STRIP - Q-LON 650	RUBBER-NEOPRENE	SCHLEGEL
9B	DDV 995	SEALANT - 1/16" BEAD	DDV 995	DDV CORNING
10B	N/A	#10 X 2" SMS SCREW PFHD***	STAINLESS STEEL	N/A
11B	LTP	LOCK THROW PLATE	STAINLESS STEEL	N/A
12B	N/A	#8 X 1 1/2" SMS SCREW PFHD***	ZINC**	N/A
12B	N/A	ALUMINUM CHANNEL	ALUMINUM-6063-T6	N/A
		*** 300 SERIES STAINLESS STEEL FASTENERS ARE REQUIRED WHEN INSTALLED WITHIN 3000 Ft OF A SALTWATER COASTLINE.		

WOOD MAKE UP:[⚠]

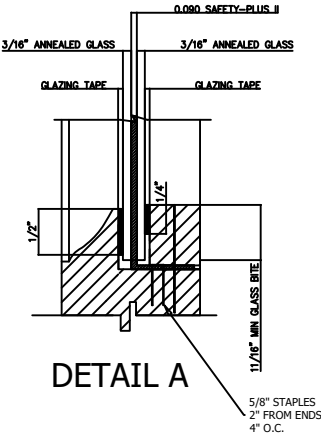
THE DOORS AND FRAMES TESTED WERE MADE FROM THREE TYPES OF MAHOGANY. ANY DURABLE SPECIES WITH A SPECIFIC GRAVITY OF 0.51 AND A MODULUS OF ELASTICITY OF 1.58x10⁶ PSI MAY BE USED.

GLASS MAKE UP:

GL1: 7/16" LAMINATED GLASS
3/16" ANNEALED GLASS
*0.090 SAFETY-PLUS II
3/16" ANNEALED GLASS

*POLYLAM, POLYURETHANE LAMINATING POLYMER BY GLASSLAM

* THESE WOOD SHAPES ARE CONSTRUCTED FROM SOLID WOOD PIECES FACE AND EDGE-GLUED TOGETHER USING EITHER CP ADHESIVE'S CP-503 UREA RESIN OR CASCO'S 3010 SYSTEM WOOD ADHESIVE. ANY UREA-FORMALDEHYDE RESIN THAT MEETS THE REQUIREMENTS OF ASTM D4690 MAY BE USED. SEE SHEETS 8-9 FOR THE MAKE-UP OF THE FACE AND EDGE-GLUED SHAPES.



DOOR PANEL GLAZING	
GL1	7/16" LAMINATED GLASS 3/16" ANNEALED GLASS 0.090 SAFETY-PLUS II - NOA# 08-0709.04 3/16" ANNEALED GLASS
	GLAZING: LARGE MISSILE IMPACT RESISTANT GLASS DOOR PANEL MAX DLO: 25" X 81"

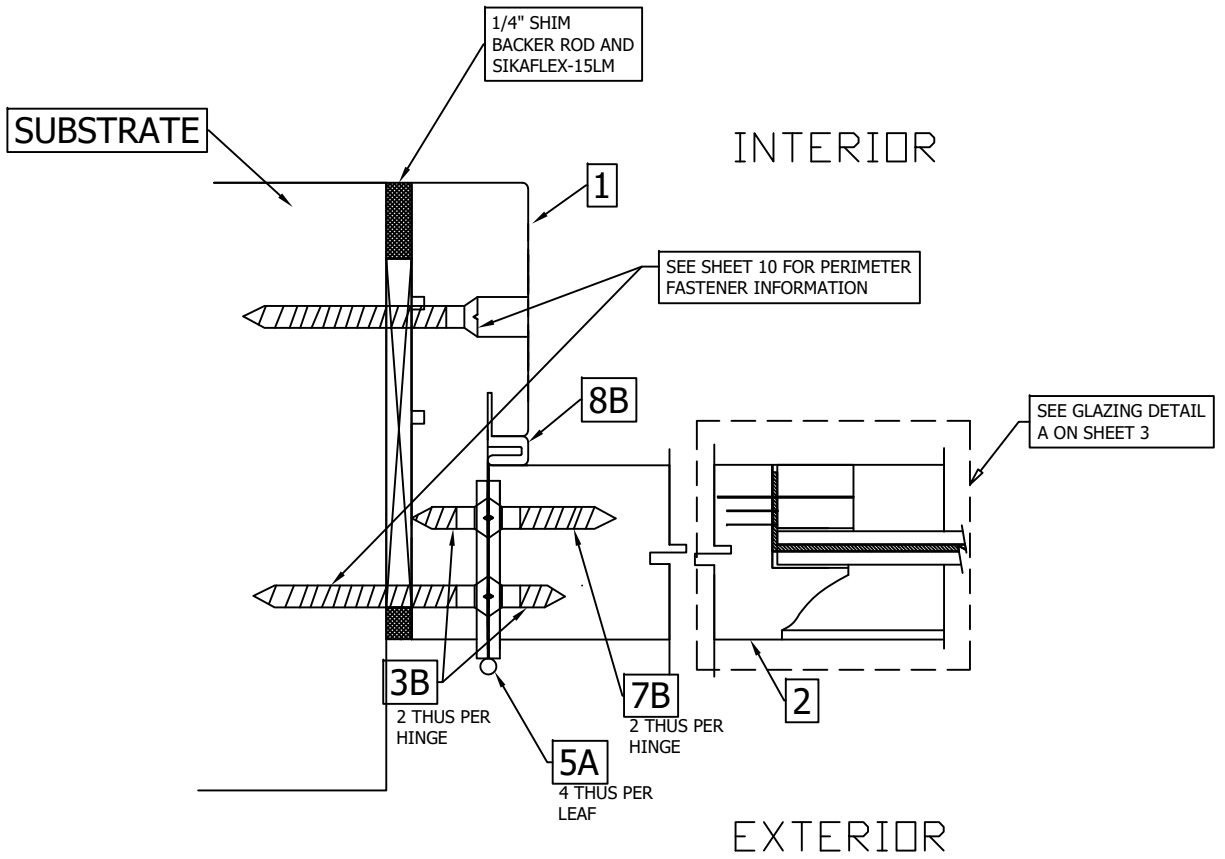
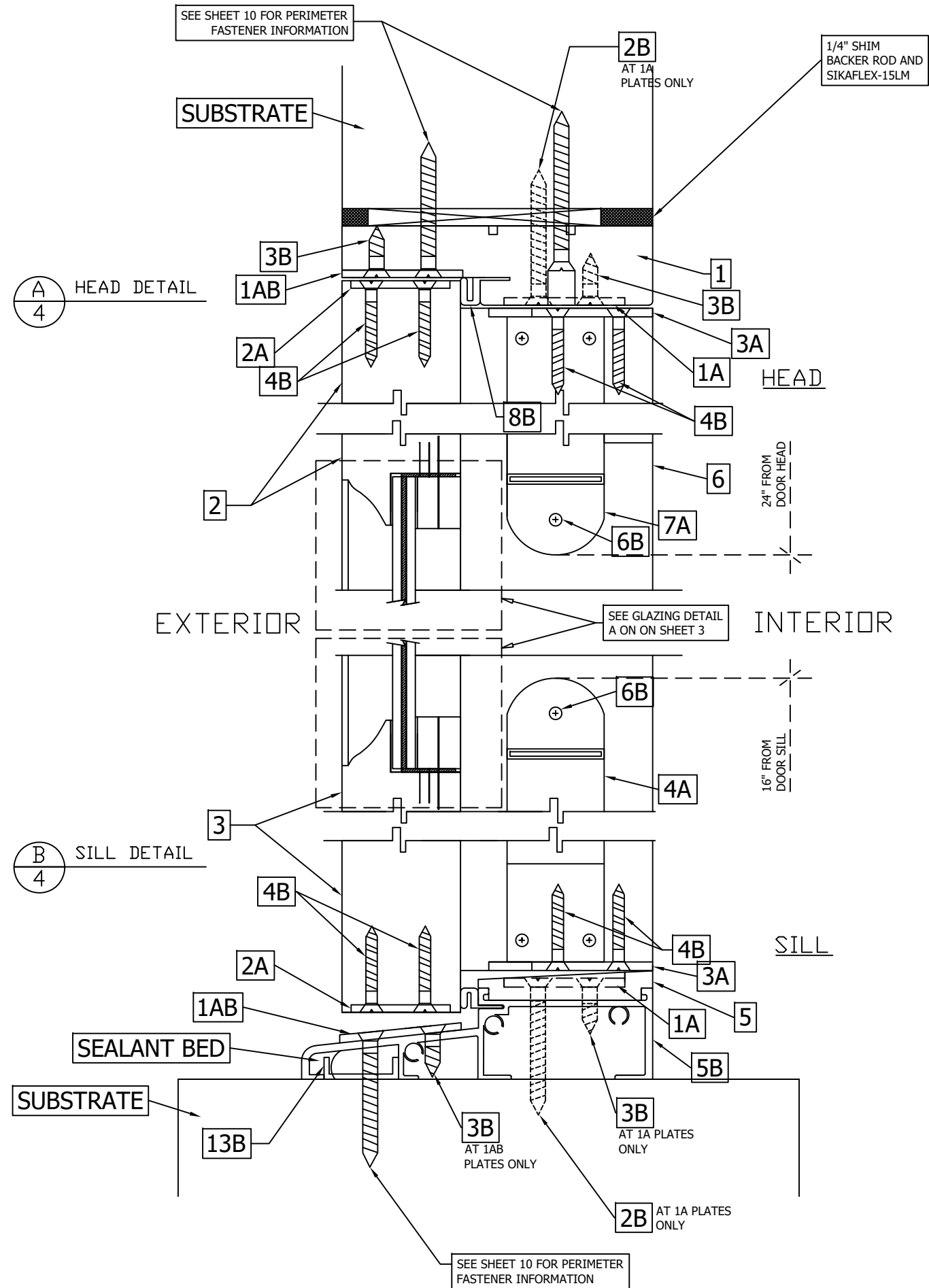
SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
CDA# 27194)
5358 SW 32ND TERRACE
FT. LAUDERDALE, FL 33312
PH/FAX:(954) 921-5828

SEAL: SCOTT WOLTERS
LICENSE
No 62354
STATE OF FLORIDA
OCT 13 2026

BY	LAT	LAT	SFW			
DESCRIPTION	DATE	REV.	PROJECT NAME: PORTILLO SERIES BOCA DOOR			
ORIGINAL RELEASE	2/27/2012	0				
2ND SUBMITTAL	10/08/2012	1				
3RD SUBMITTAL	12/17/2012	2				
CODE UPDATE	10/13/2026	3				
DRAWING #	001					
SCALE:	NTS					
SHEET	2 of 10					

Lag Design of Florida
4900 N Australian Avenue
West Palm Beach, FL 33407
561.841.8590
www.floridaimpactdoors.com



C
4 JAMB DETAIL

SCOTT WOLTERS

FL PE# 62354

WOLTERS ENGINEERING

(COA# 27194)

15211 97TH ROAD N

WEST PALM BEACH, FL 33412

PH/FAX: (561) 225-1982

SEAL

SCOTT WOLTERS

LICENSE

No 62354

STATE OF FLORIDA

PROFESSIONAL ENGINEER

OCT 13, 2026

PROJECT NAME: PORTILLO SERIES BOCA DOOR	REV.	DATE	DESCRIPTION	BY
	☐	07/09/2012	ORIGINAL RELEASE	F.N.
	1	10/08/2012	2ND SUBMITTAL	
Florida Impact Door Systems, Inc. 4900 N Australian Avenue West Palm Beach, FL 33407 561.841.8590 <i>www.floridaimpactdoors.com</i>				
DRAWING #	001			
SCALE:	NTS			
SHEET 4 of 10				

PORTILLO SERIES BOCA DOOR

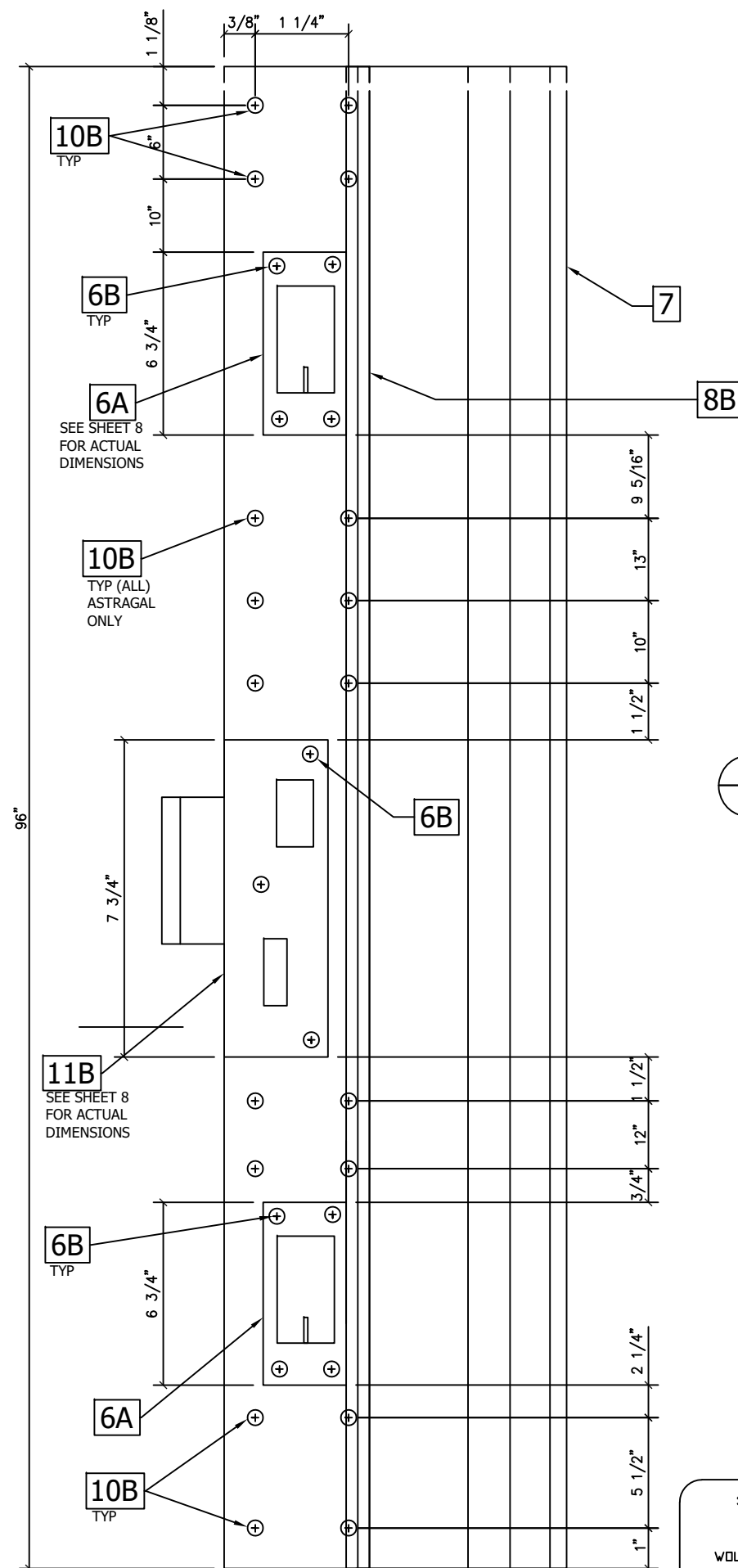
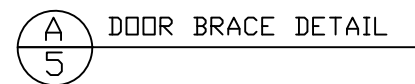
Florida Impact Door Systems, Inc.

4900 N Australian Avenue

West Palm Beach, FL 33407

561.841.8590

www.floridaimpactdoors.com



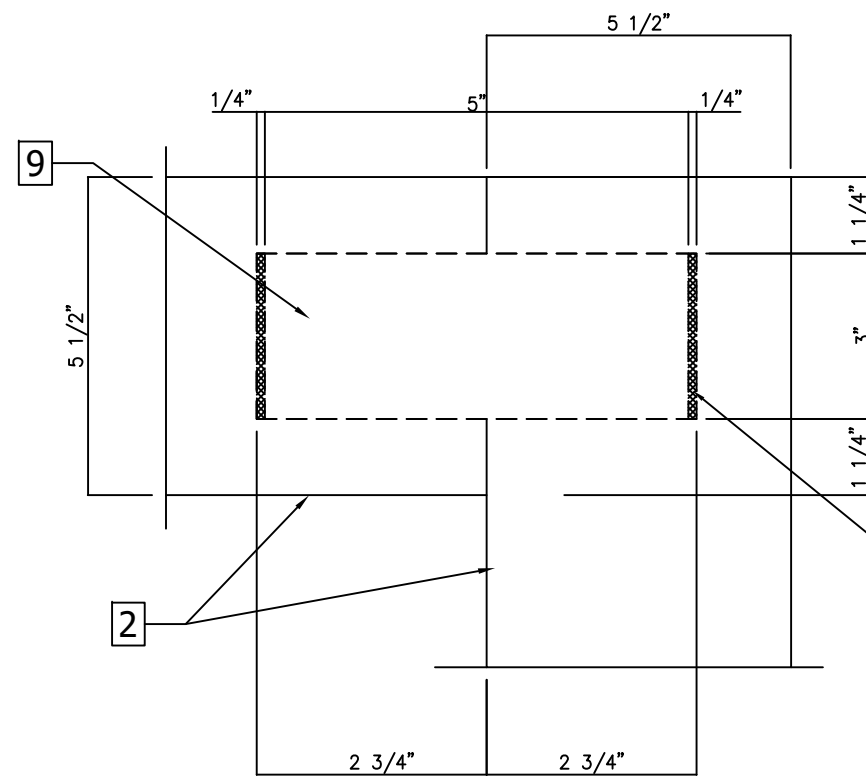
5 DOOR ASTRAGAL
FASTENER LAYOUT

SEAL:

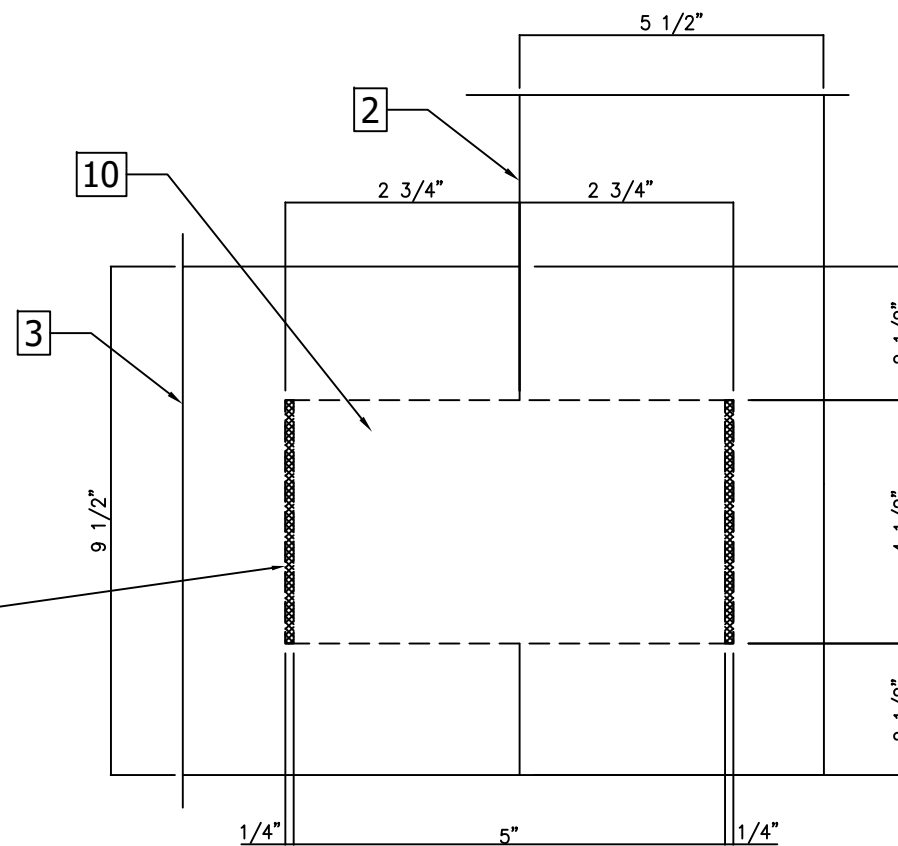


OCT 13, 2026

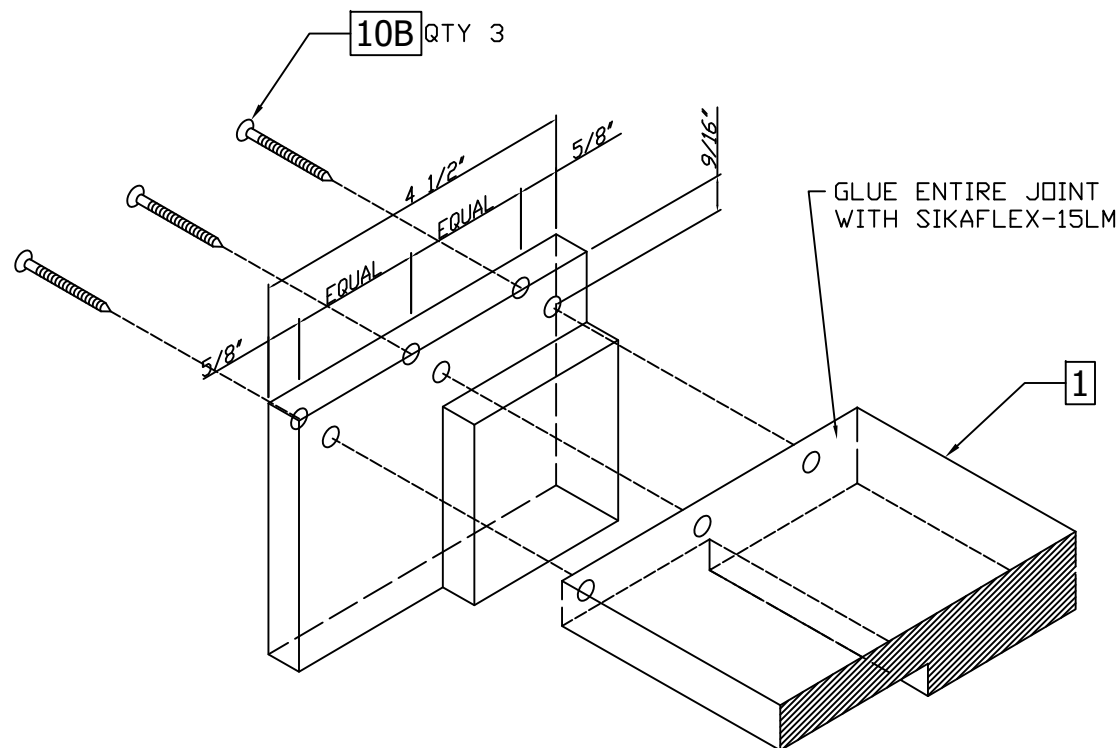
Florida Impact Door Systems, Inc. 4900 N Australian Avenue West Palm Beach, FL 33407 561.841.8590 <i>www.floridaimpactdoors.com</i>		PROJECT NAME: PORTILLO SERIES BOCA DOOR			
DRAWING #	001	REV.	DATE	DESCRIPTION	BY
SCALE:	NTS	☐	07/09/2012	ORIGINAL RELEASE	F.N.
SHEET 5 of 10		☒	10/08/2012	2ND SUBMITTAL	
		☐			
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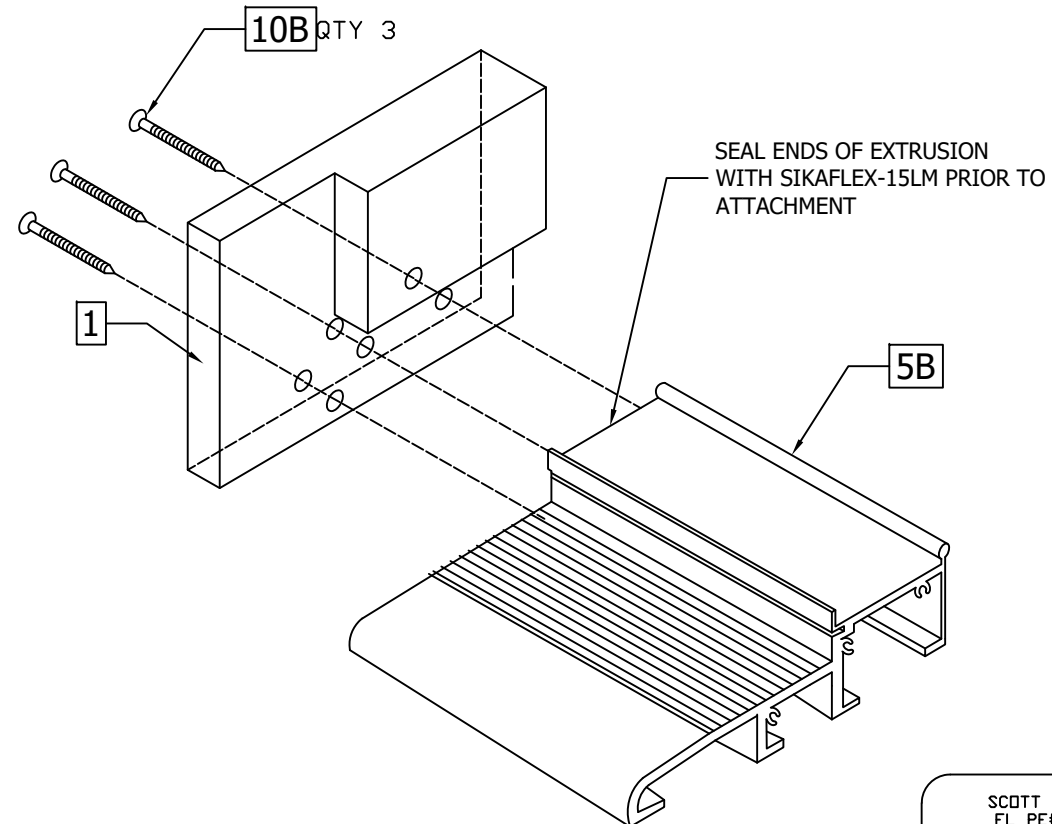
(A) TYP. TOP RAIL ASSEMBLY DETAIL
6



(B) TYP. BOTTOM RAIL ASSEMBLY DETAIL
6



(C) TYP. FRAME CORNER DETAIL
6 (ALL JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)
SCALE: NTS

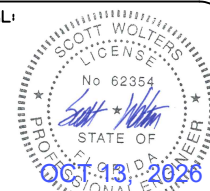


(D) TYP. THRESHOLD CORNER DETAIL
6 (ALL JAMB MEMBERS TO BE SCREWED AT ALL CORNERS)
SCALE: NTS

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FL PE# 62354

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(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
PH/FAX: (561) 225-1982

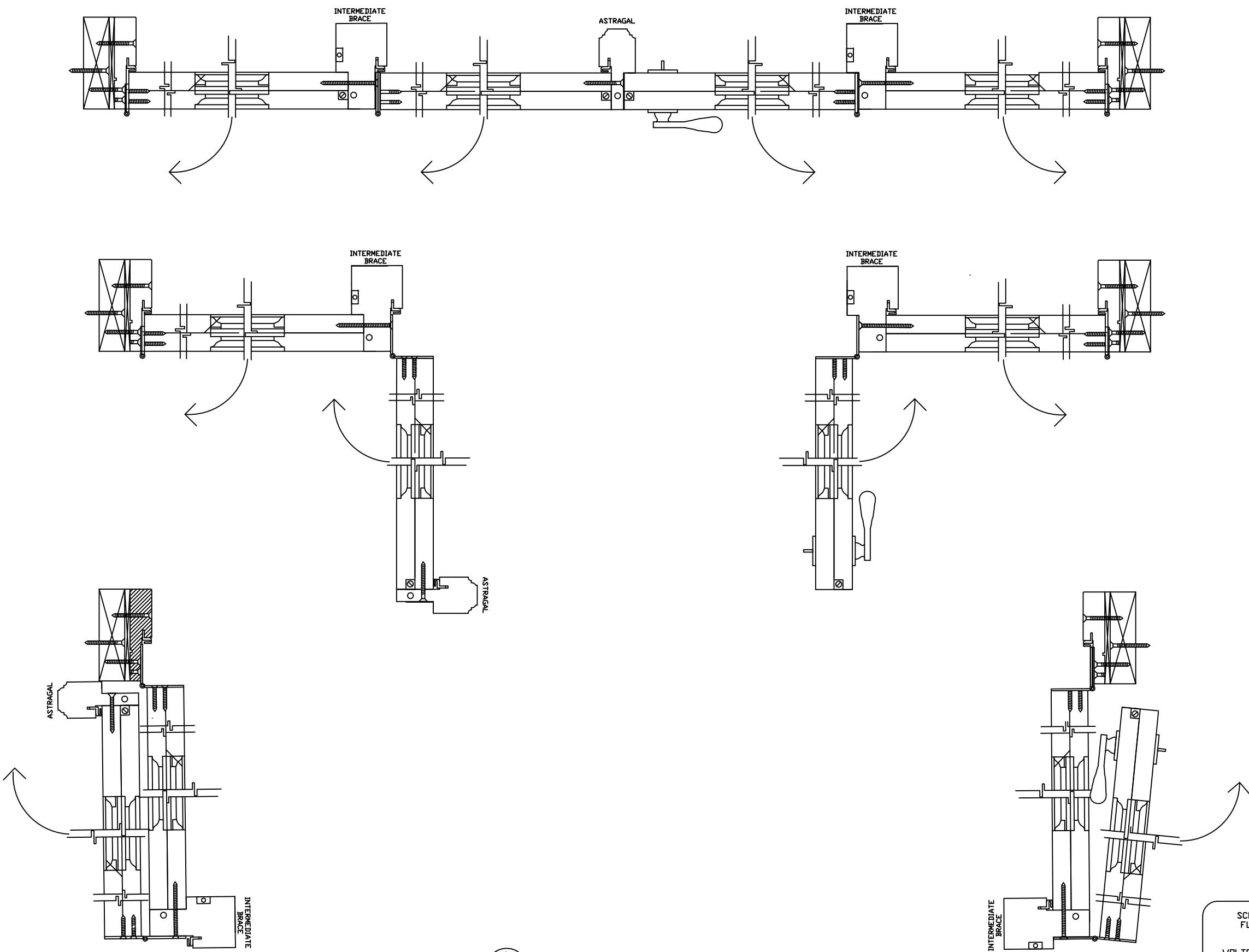
SEAL:



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PORTILLO SERIES BOCA DOOR	
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DRAWING #	001
SCALE:	NTS
SHEET 6 of 10	

FOLDING DOOR CONFIGURATIONS



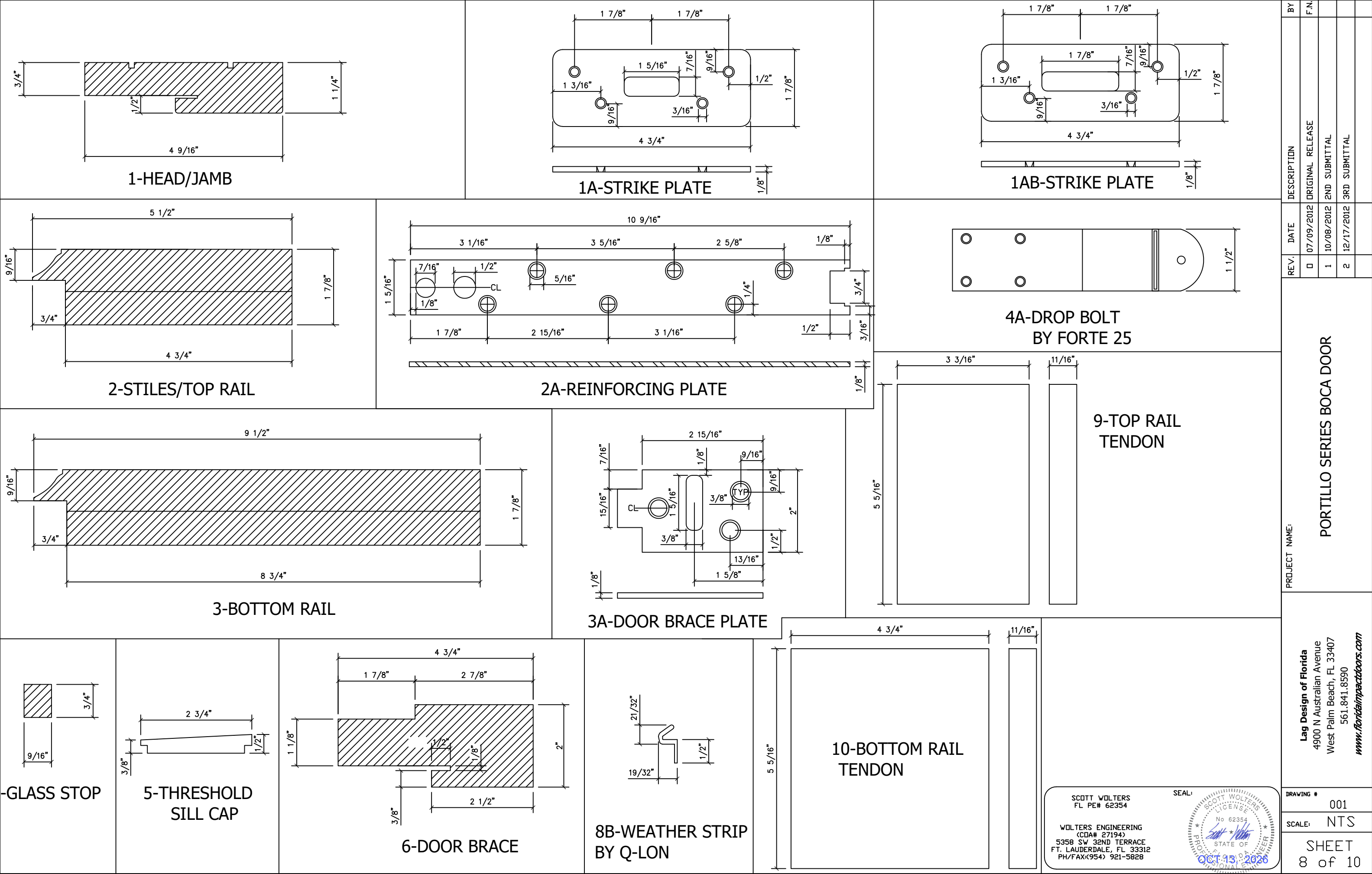
A
7 FOLDING DOOR HORIZONTAL SECTION

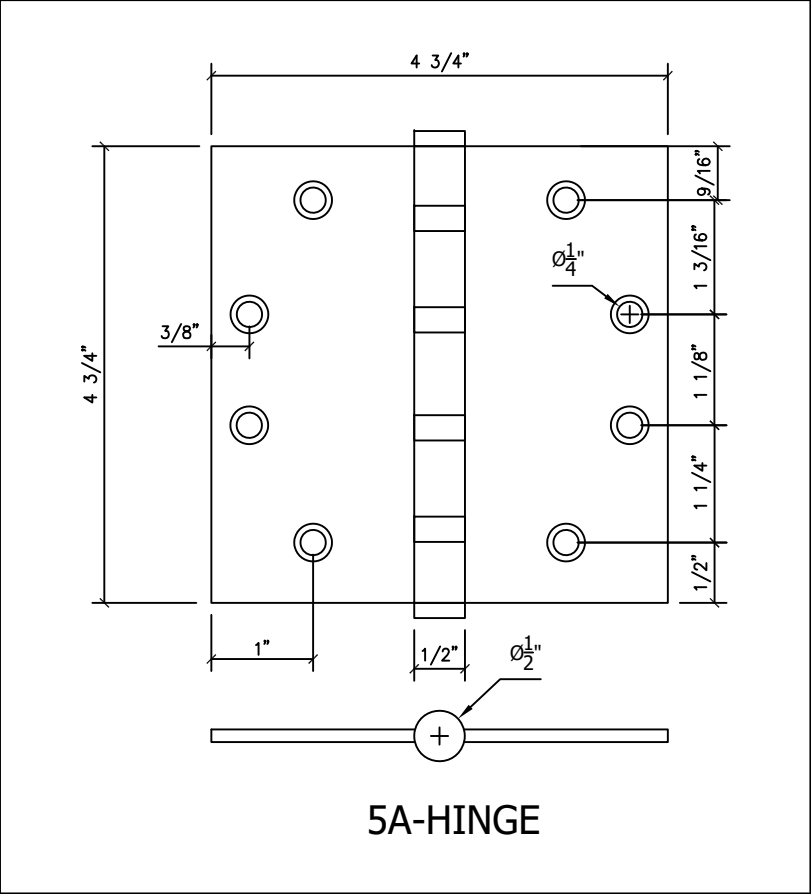
SCOTT WOLTERS
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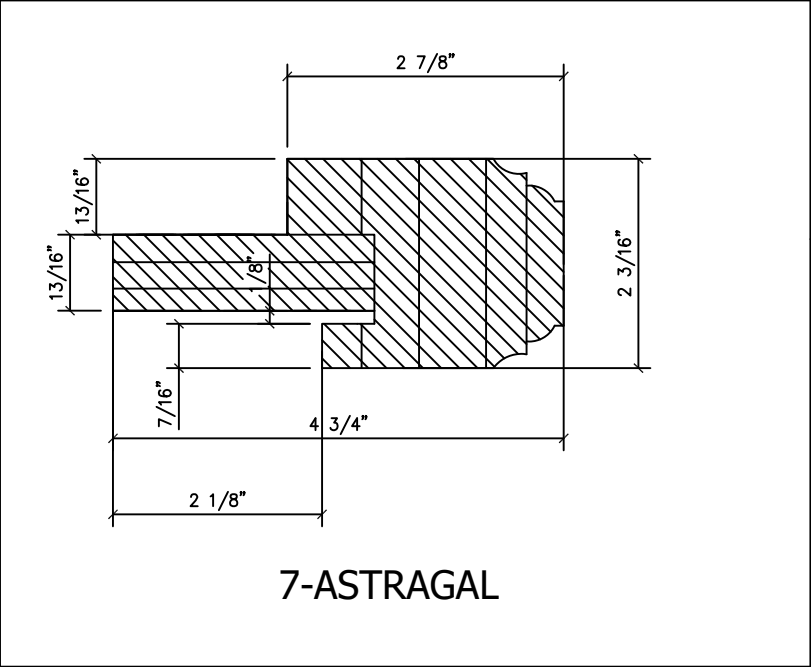
SEAL: SCOTT WOLTERS
LICENSE
No 62354
STATE OF FLORIDA
OCT 13 2026

PROJECT NAME:				BY			
PORTILLO SERIES BOCA DOOR				REV.	DATE	DESCRIPTION	F.N.
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				001			
				SCALE: NTS			
				SHEET 7 of 10			

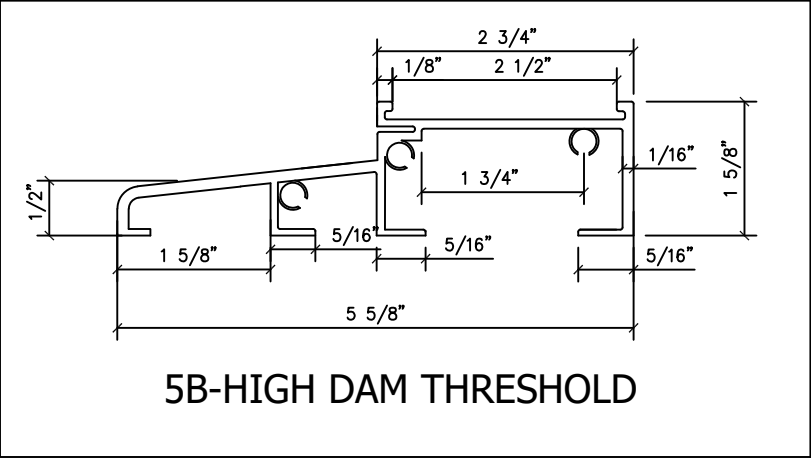




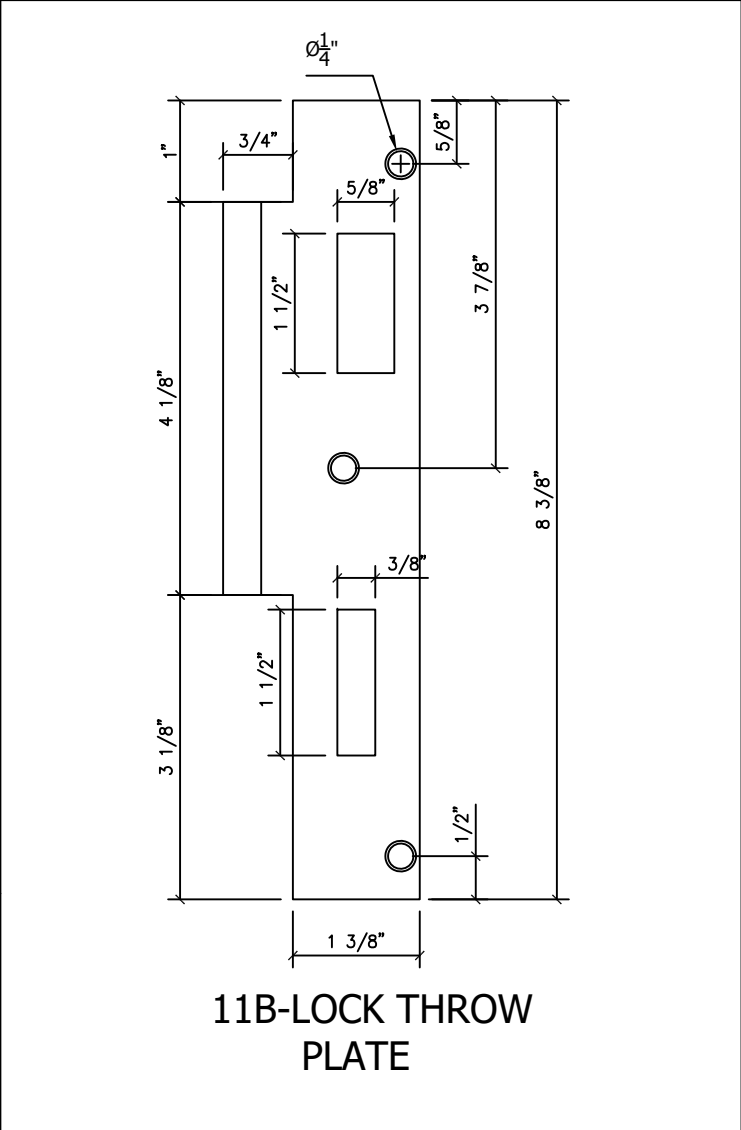
5A-HINGE



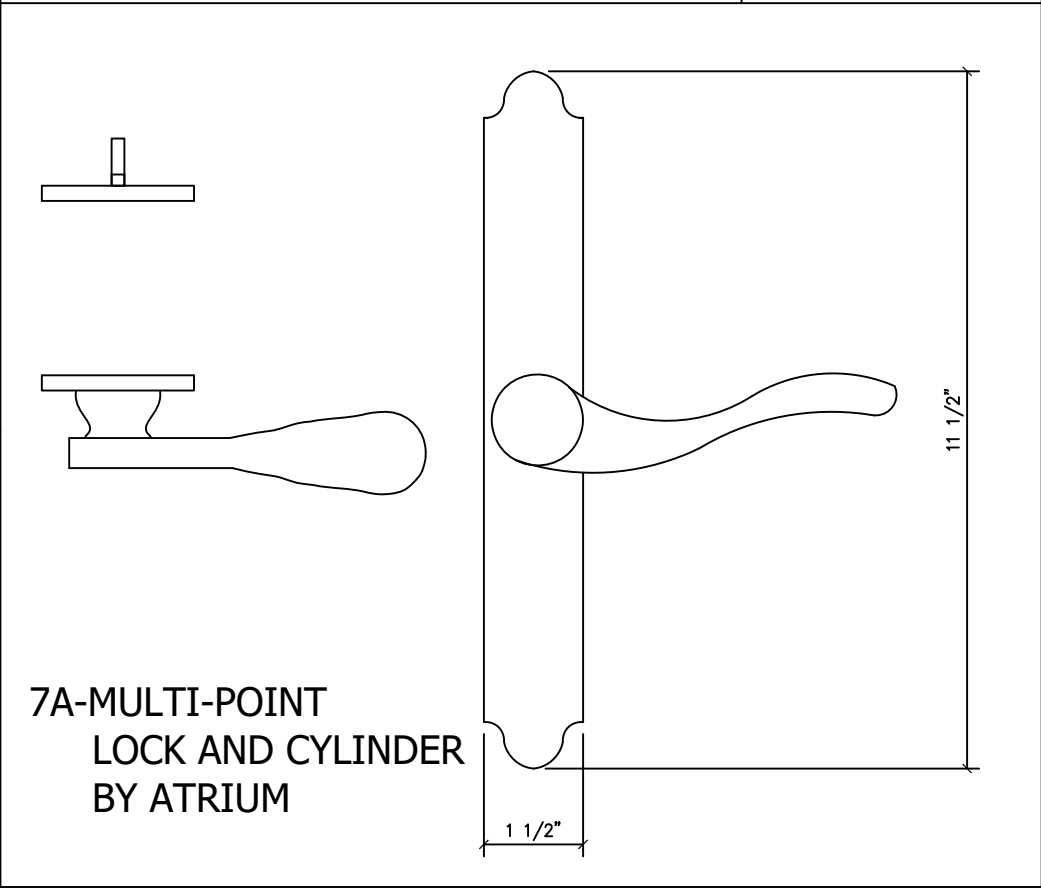
7-ASTRAGAL



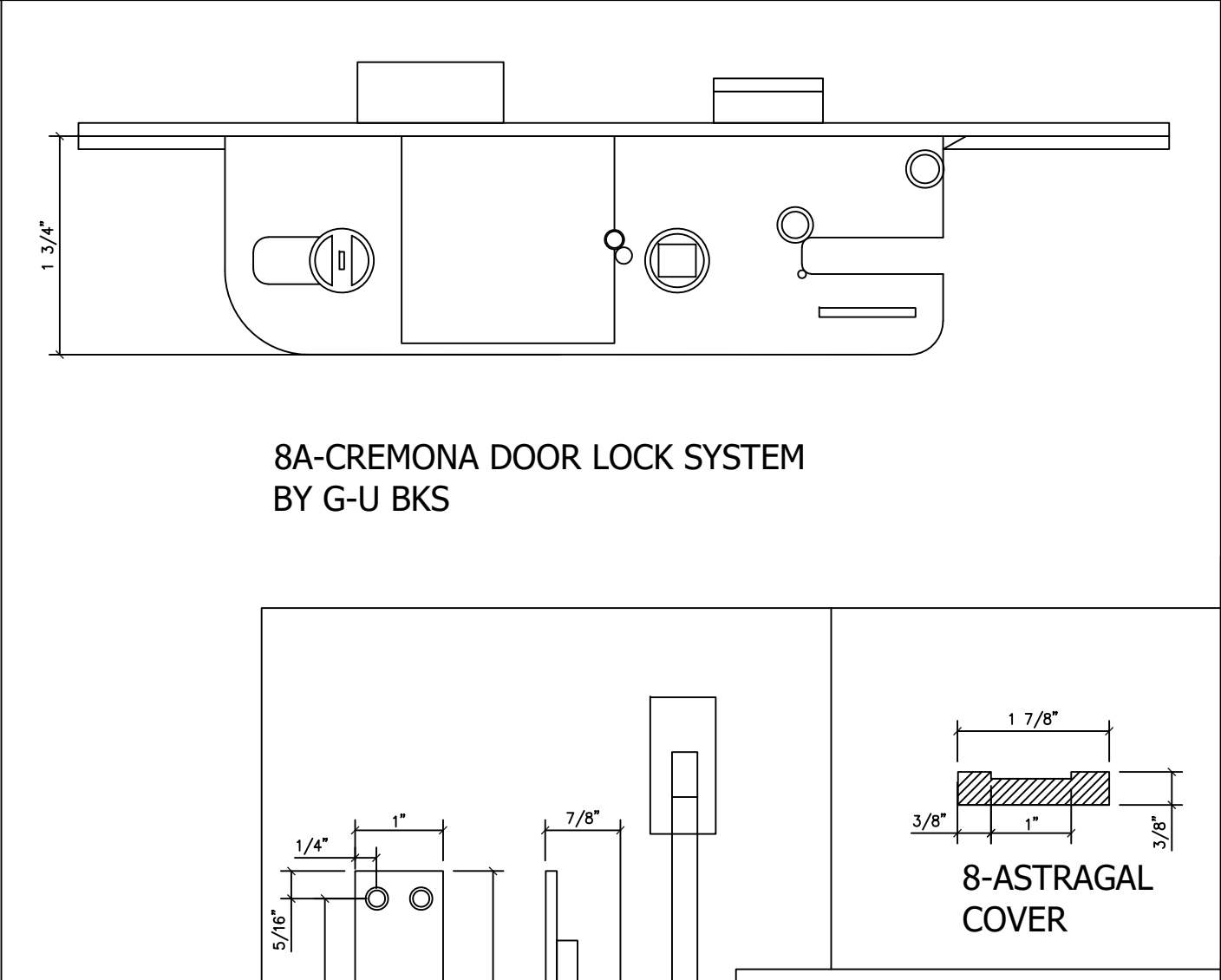
5B-HIGH DAM THRESHOLD



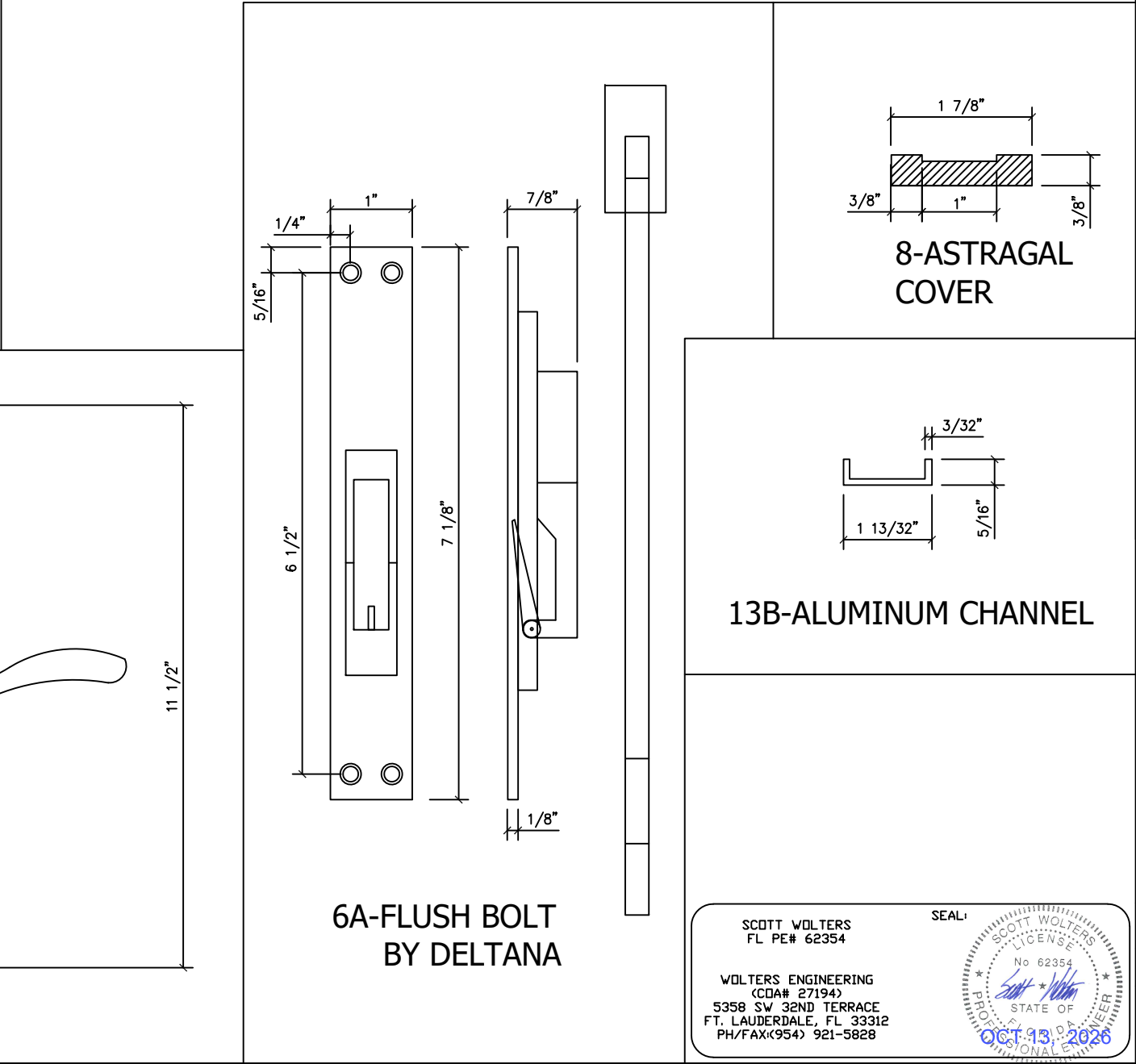
11B-LOCK THROW PLATE



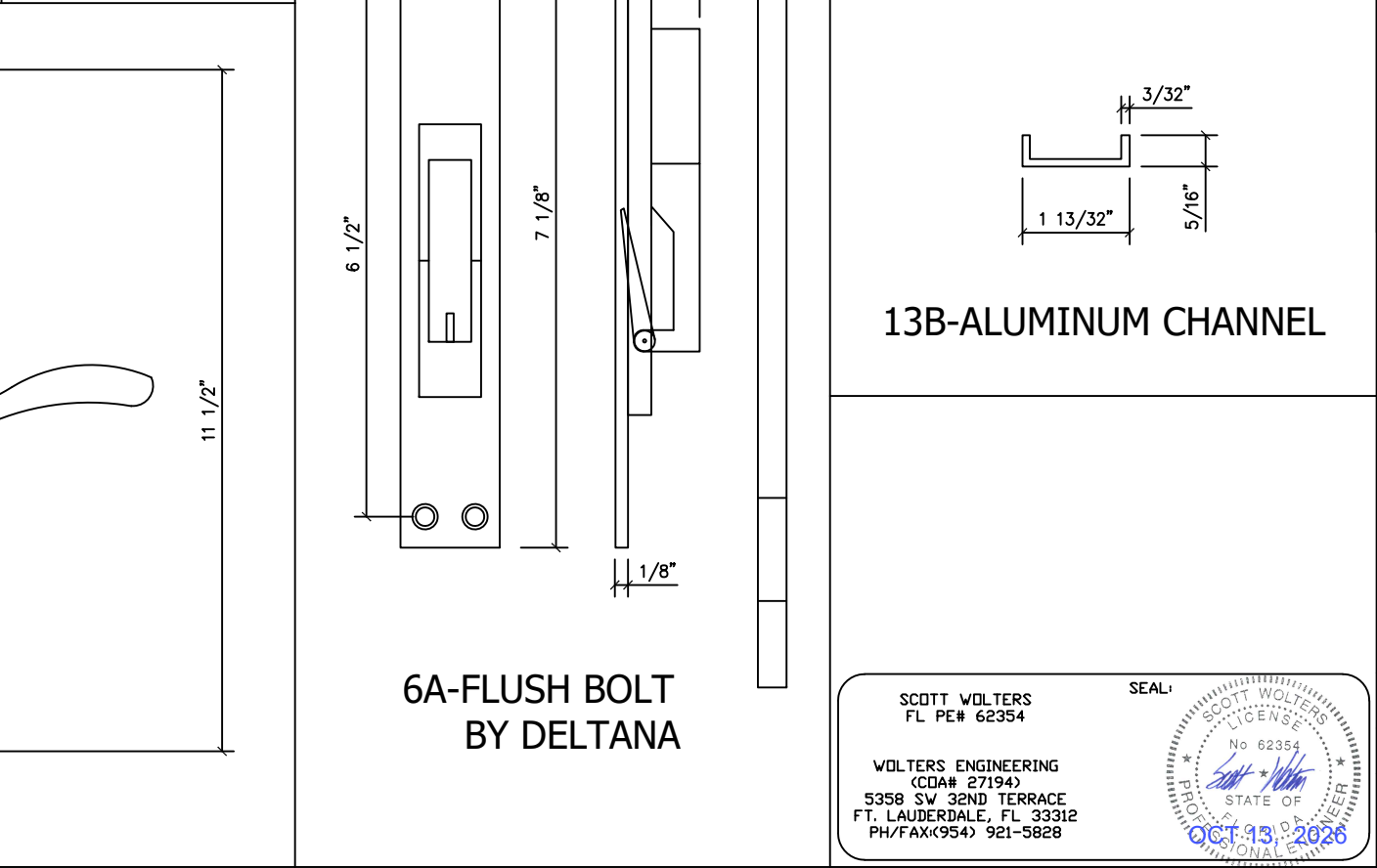
7A-MULTI-POINT LOCK AND CYLINDER BY ATRIUM



8A-CREMONA DOOR LOCK SYSTEM BY G-U BKS



8-ASTRAGAL COVER



13B-ALUMINUM CHANNEL



6A-FLUSH BOLT BY DELTANA

REV.	DATE	DESCRIPTION	BY
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Lag Design of Florida 4900 N Australian Avenue West Palm Beach, FL 33407 561.841.8590 www.floridainpactdoors.com	DRAWING # 001
SCALE: NTS	SHEET 9 of 10

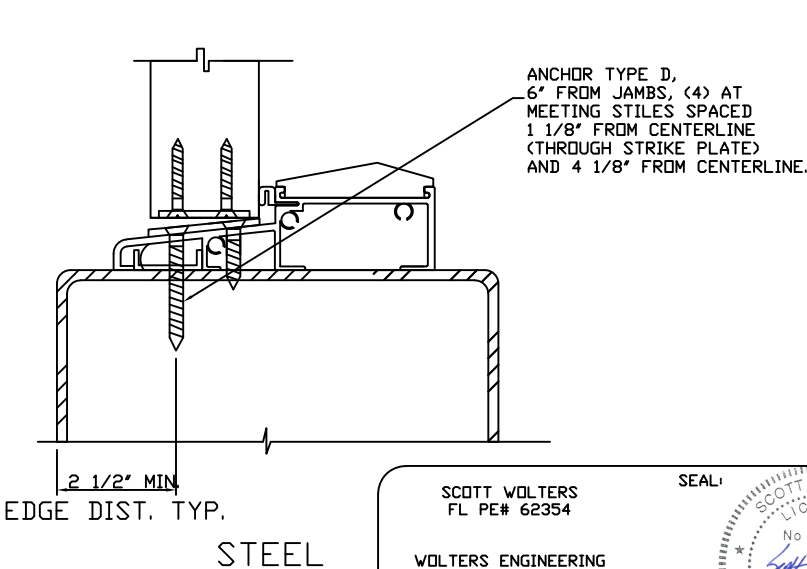
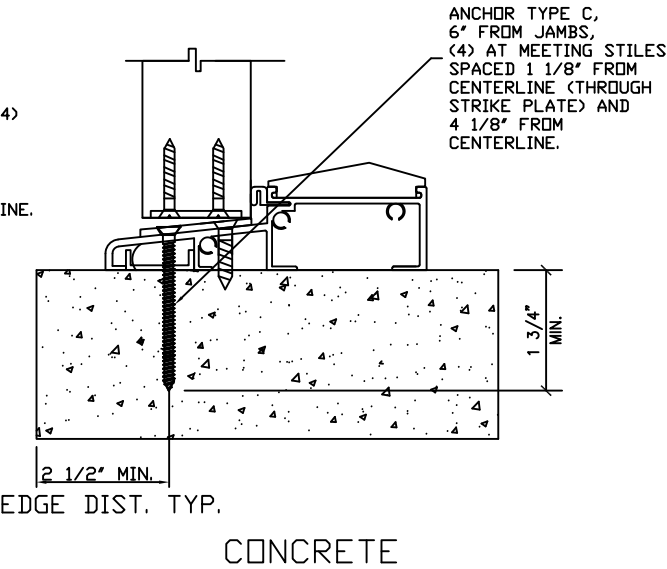
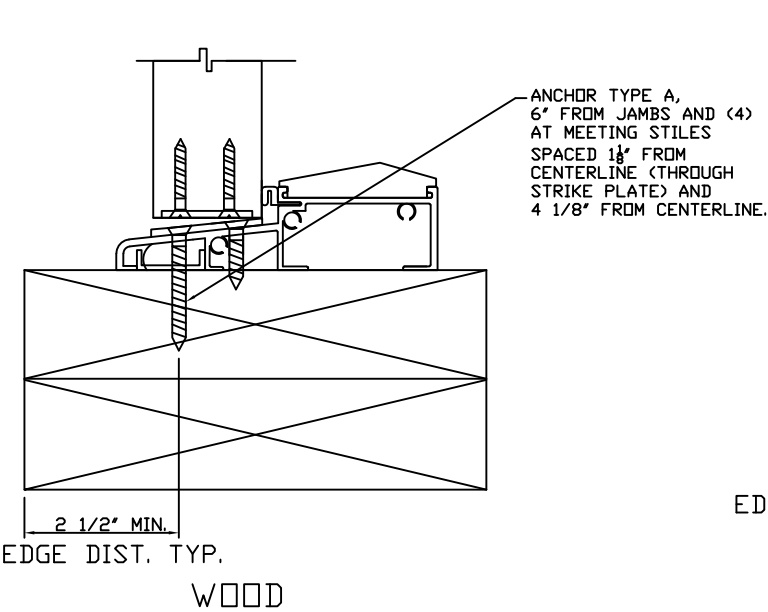
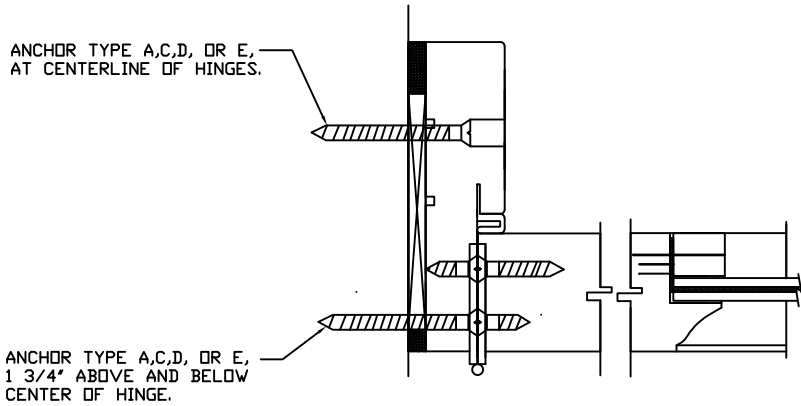
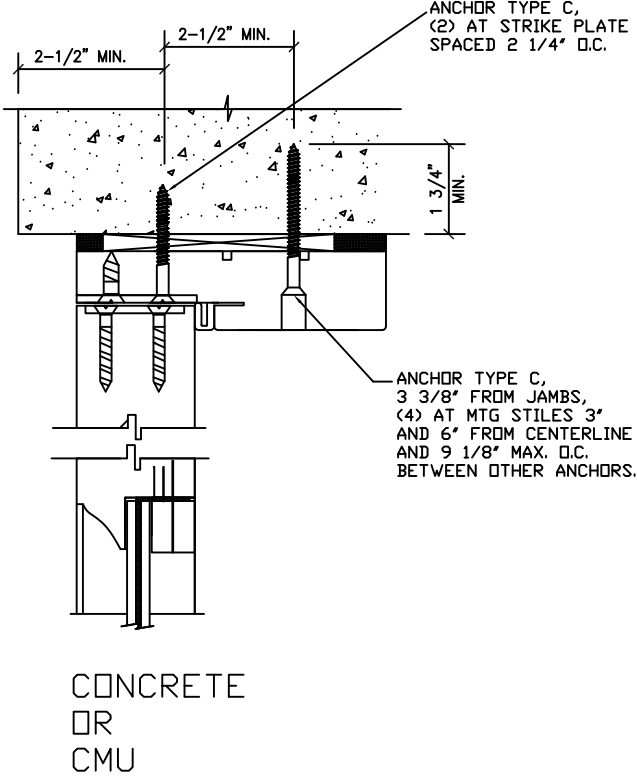
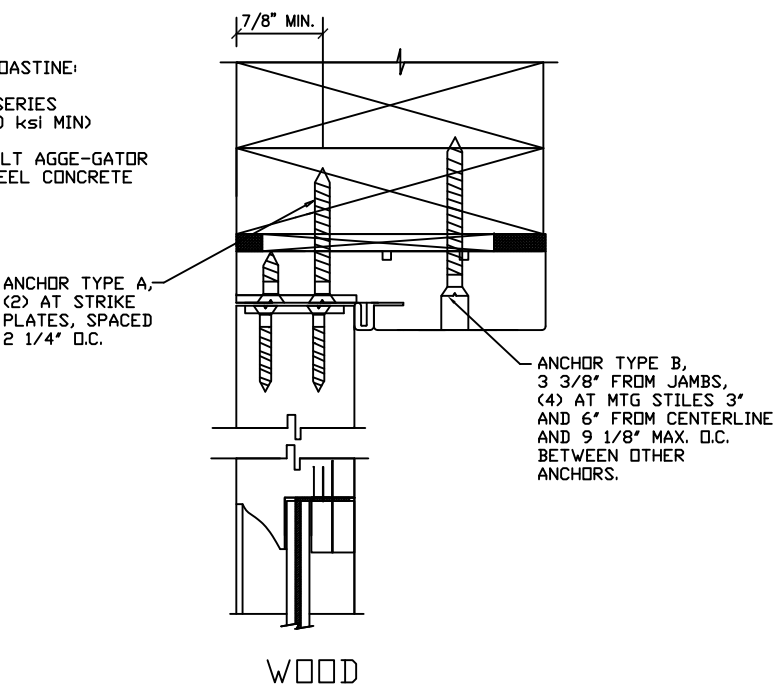
TYPICAL ANCHORS

WOOD (2 1/4" MIN.)	-	TYPE A	-	#12 X 2-1/4" PFHMS^^ WITH 1-1/4" EMBEDMENT AND 7/8" EDGE DISTANCE.
WOOD (2 1/4" MIN.)	-	TYPE B	-	1/4" X 3-3/4" PFHMS^^ WITH 2-1/4" EMBEDMENT AND 7/8" EDGE DISTANCE.
CONCRETE (3000 PSI MIN)	-	TYPE C	-	1/4" DIA. FH ITW TAPCON OR DEWALT ULTRA CON^^ DIRECTLY INTO CONCRETE OR THRU WOOD BUCK INTO CONCRETE WITH 1-3/4" MIN. EMBEDMENT AND 2-1/2" MIN EDGE DISTANCE.
CMU (ASTM 90)	-	TYPE C	-	1/4" DIA. FH ITW TAPCON OR DEWALT ULTRA CON^^ DIRECTLY INTO CMU OR THRU WOOD BUCK INTO CMU WITH 1-3/4" MIN. EMBEDMENT AND 2-1/2" MIN EDGE DISTANCE.
STEEL (16 Ga 33 KSI MIN)	-	TYPE D	-	1/4" DIA. FH F-TYPE (GR. 5) THREAD FORMING SCREW^^ WITH FULL EMBEDMENT AND 1/2" MIN EDGE DISTANCE
ALUM TUBE MULLION (1/8" MIN, 6063-T5)	-	TYPE E	-	1/4" DIA. FH SHEET METAL SCREW^^ WITH FULL EMBEDMENT AND 1/2" MIN EDGE DISTANCE

CORROSION RESISTANCE NOTES:

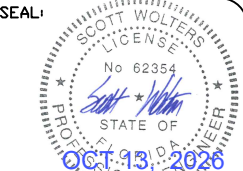
WITHIN 3000 ft OF A SALTWATER COASTLINE:

- ^^ FASTENERS MUST BE 300 SERIES STAINLESS STEEL (F_{ut}=100 ksi MIN)
- ^^^ FASTENERS MUST BE DEWALT AGGE-GATOR 300 SERIES STAINLESS STEEL CONCRETE ANCHORS.



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REV.	DATE	DESCRIPTION	BY			F.N.	SCALE		NTS
☐	07/09/2012	ORIGINAL RELEASE							
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