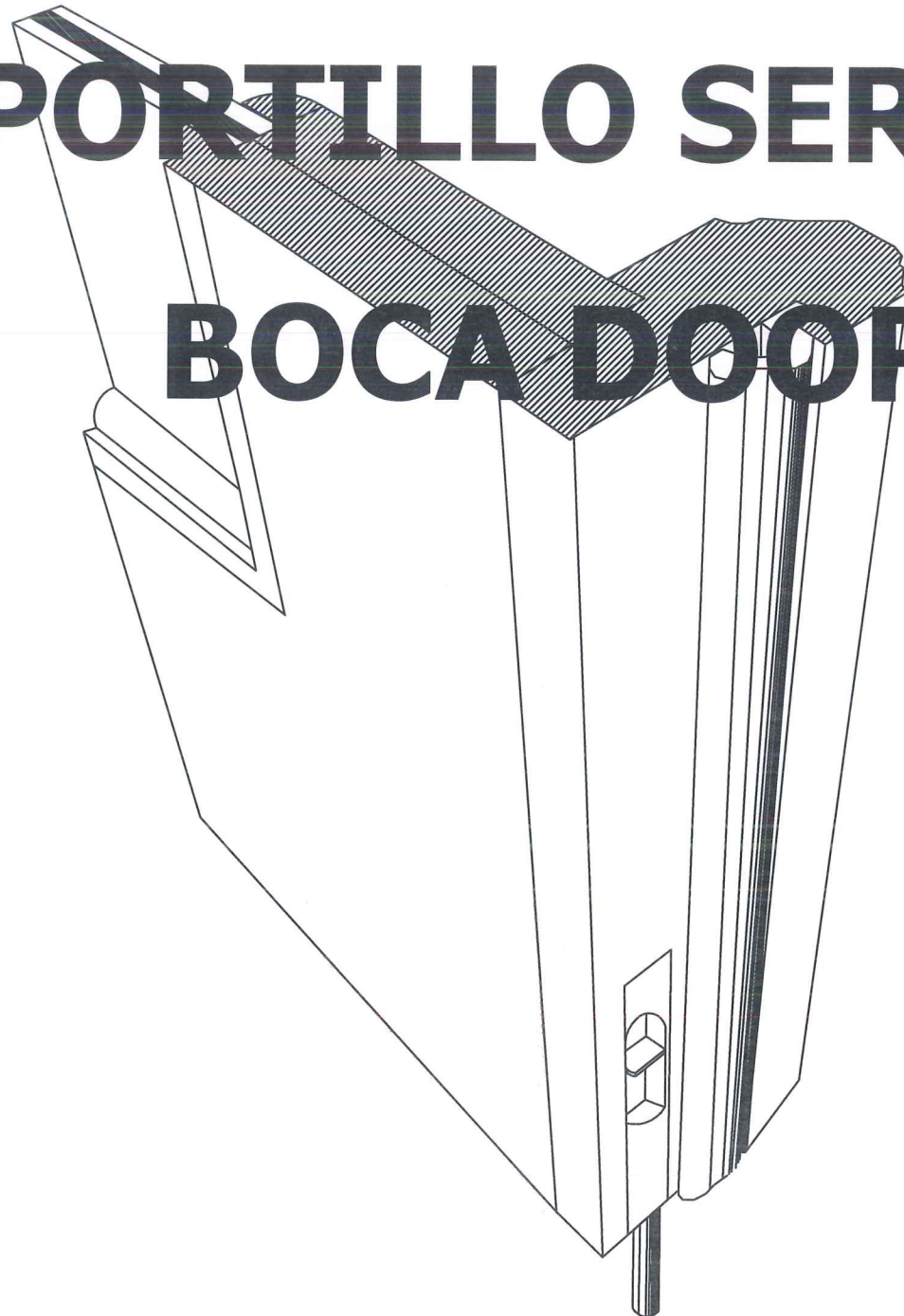


PORTILLO SERIES BOCA DOOR



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

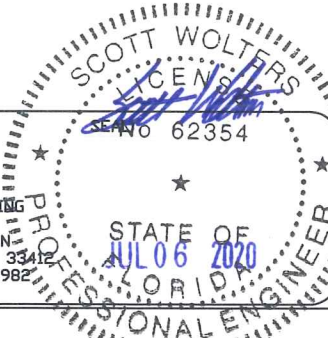
1. THIS APPROVAL APPLIES TO (2) AND (4) PANEL IMPACT RESISTANT BI-FOLDING OUTSWING PORTILLO SERIES BOCA DOORS.
2. ALLOWABLE DESIGN PRESSURE: +/-65 PSF.
3. THESE DOORS HAVE BEEN DESIGNED AND TESTED PER TAS 201, 202, AND 203 PROTOCOLS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), INCLUDING THE HIGH VELOCITY HURRICANE ZONE PROVISIONS.
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	F.N.
0	07/09/2012	ORIGINAL RELEASE		
1	10/08/2012	2ND SUBMITTAL		
2	8/27/2015	CODE UPDATE		
3	7/6/20	CODE UPDATE		

PROJECT NAME:
PORTILLO SERIES BOCA DOOR

Florida Impact Door Systems, Inc.
3850 W. Industrial Way, #1
Riviera Beach, FL 33404
PHONE: 561.841.8590
FAX: 561.841.9440

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(CDA# 27194)
15211 97TH ROAD N
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PH/FAX: (561) 225-1982



DRAWING #
001
SCALE: NTS
SHEET
1 of 10



SCOTT WOLTERS
LICENSE
SEAL NO 62354
STATE OF FLORIDA
JUL 06 2020
PROFESSIONAL ENGINEER

Florida Impact Door Systems, Inc.
3850 W. Industrial Way, #1
Riviera Beach, FL 33404
PHONE: 561.841.8590
FAX: 561.841.9440

BILL OF MATERIALS

WOOD DOOR COMPONENTS

CODE	PART NO.	DESCRIPTION	MATERIAL	MANUFACTURER
1	FIDS-1	HEAD AND JAMB RABBETED AND KERFED	SOLID	FLORIDA IMPACT DOOR
2	FIDS-2	STILES AND TOP RAIL*	WOOD	FLORIDA IMPACT DOOR
3	FIDS-3	BOTTOM RAIL*	WOOD	FLORIDA IMPACT DOOR
4	FIDS-4	GLASS STOP	SOLID WOOD	FLORIDA IMPACT DOOR
5	FIDS-5	THRESHOLD SILL CAP	SOLID WOOD	FLORIDA IMPACT DOOR
6	FIDS-6	DOOR BRACE	SOLID WOOD	FLORIDA IMPACT DOOR
7	FIDS-7	ASTRAGAL*	WOOD	FLORIDA IMPACT DOOR
8	FIDS-8	ASTRAGAL COVER	SOLID WOOD	FLORIDA IMPACT DOOR
9	FIDS-9	TOP RAIL TENDON	SOLID WOOD	FLORIDA IMPACT DOOR
10	FIDS-10	BOTTOM RAIL TENDON	SOLID WOOD	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	DROP BOLT - BOTTOM	ALUMINUM-6063-T6/SS	CENTOR
5A	DBS45B	HINGE	BRASS	DELTANA
6A	12EFB26D	FLUSH BOLT	BRASS	DELTANA
7A	DBFD600NRN	DROP BOLT - TOP	ALUMINUM/STAINLESS STEEL	CENTOR
8A	6-29385-11-0-8	GU MULTIPoint 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-650CB	WEATHER STRIP - Q-LON 650	RUBBER-NEOPRENE	SCHLEGEL
9B	DOW 995	SEALANT - 1/16" BEAD	DOW 995	DOW 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

WOOD MAKE UP:

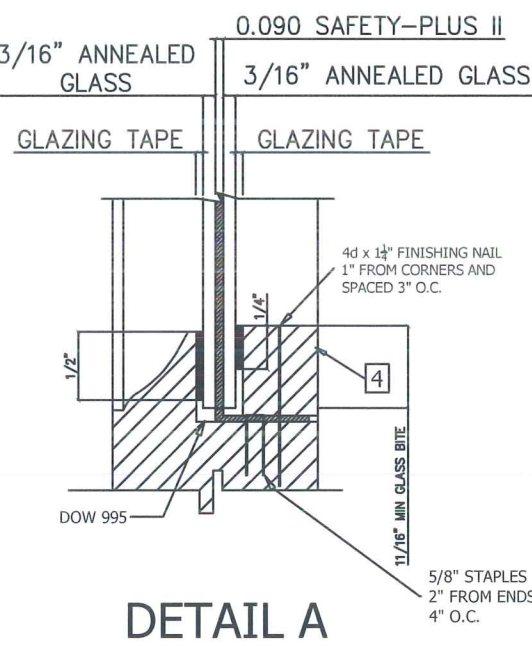
THE FOLLOWING TYPES OF WOOD DOORS AND FRAMES WERE TESTED:
SAPELE (SG= 0.55,E= 1.70x10⁶ PSI)
KHAYA (SG= 0.44 ,E= 1.3x10⁶ PSI)
MARA MACHO (SG= 0.51,E= 1.58x10⁶ PSI)
ANY DURABLE SPECIES WITH A SPECIFIC GRAVITY OF 0.44 AND A MODULUS OF ELASTICITY OF 1.3x10⁶ PSI MAY BE USED.

* 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.

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 POLYMER EXTRUSION TECHNOLOGY, INC. (dba GLASSLAM)



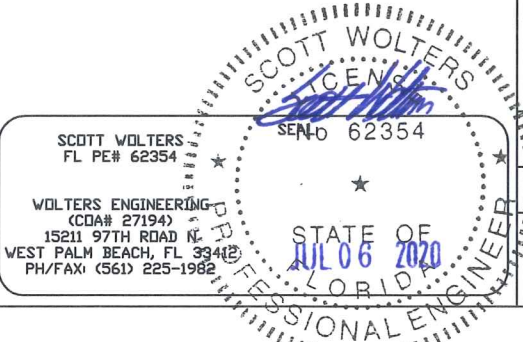
HINGE REQUIREMENTS

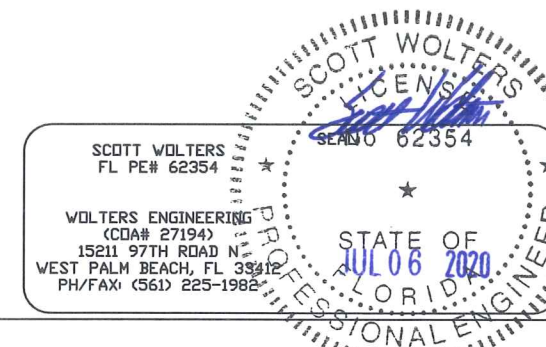
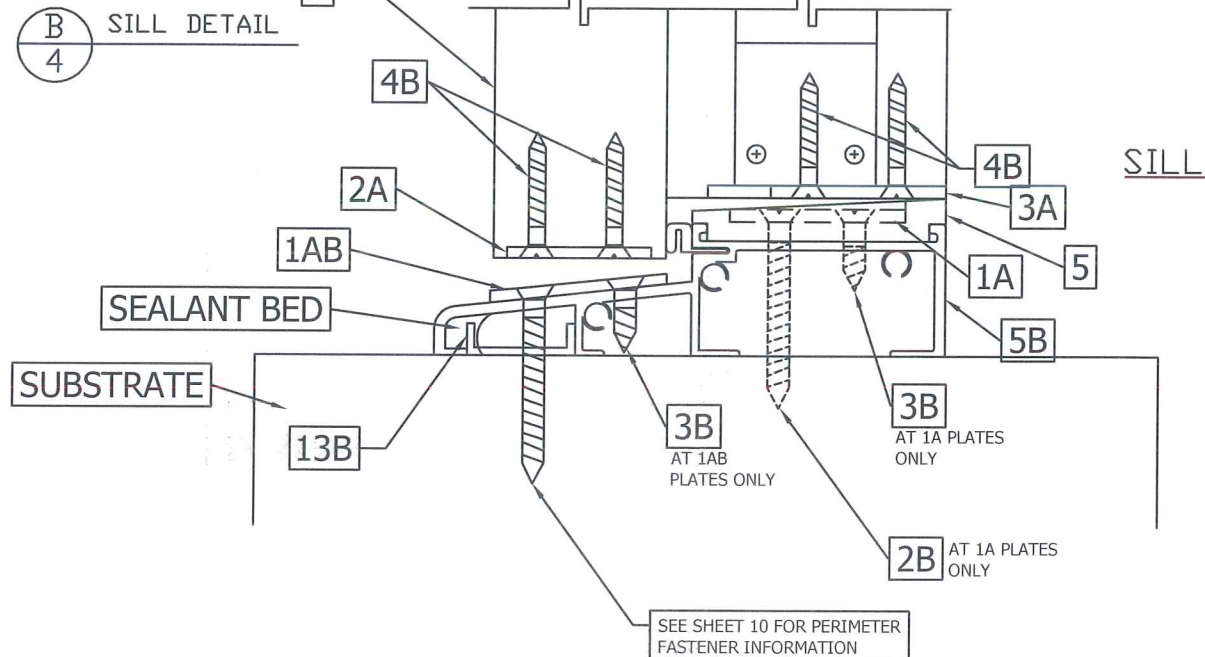
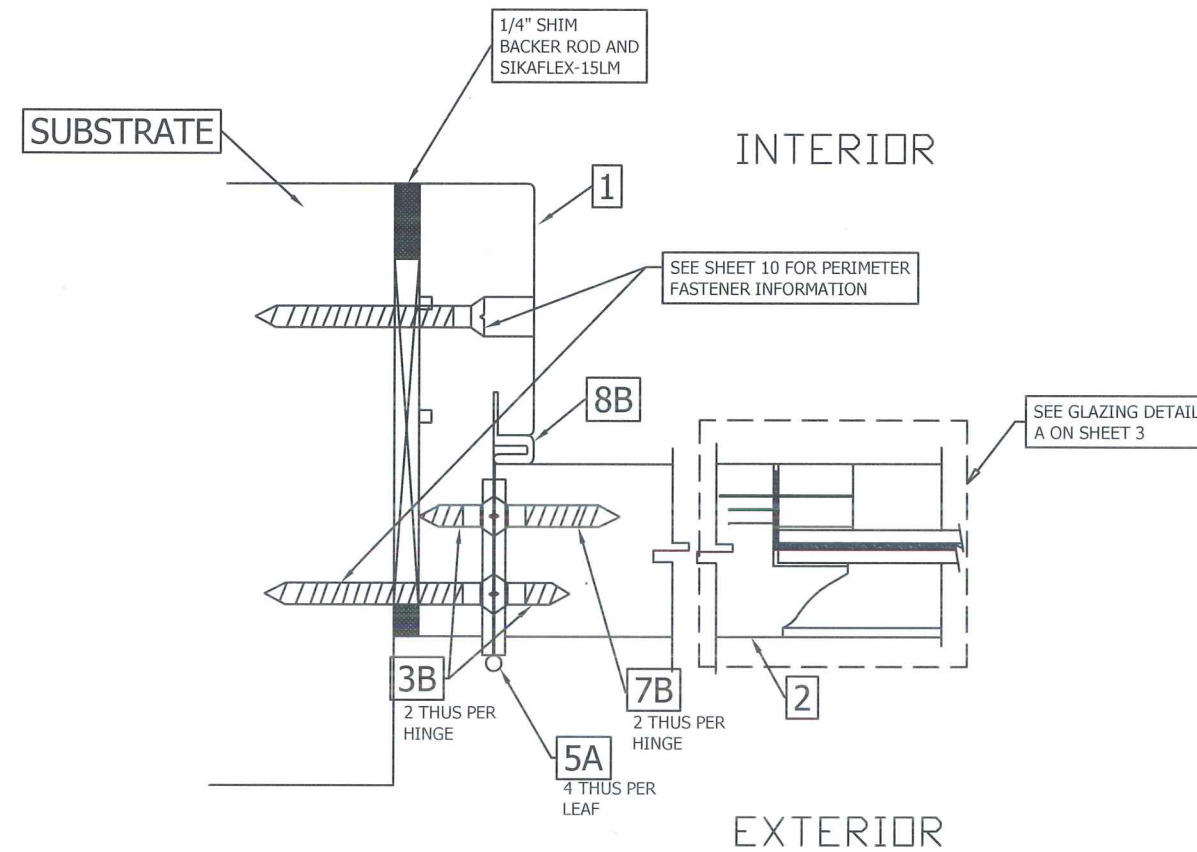
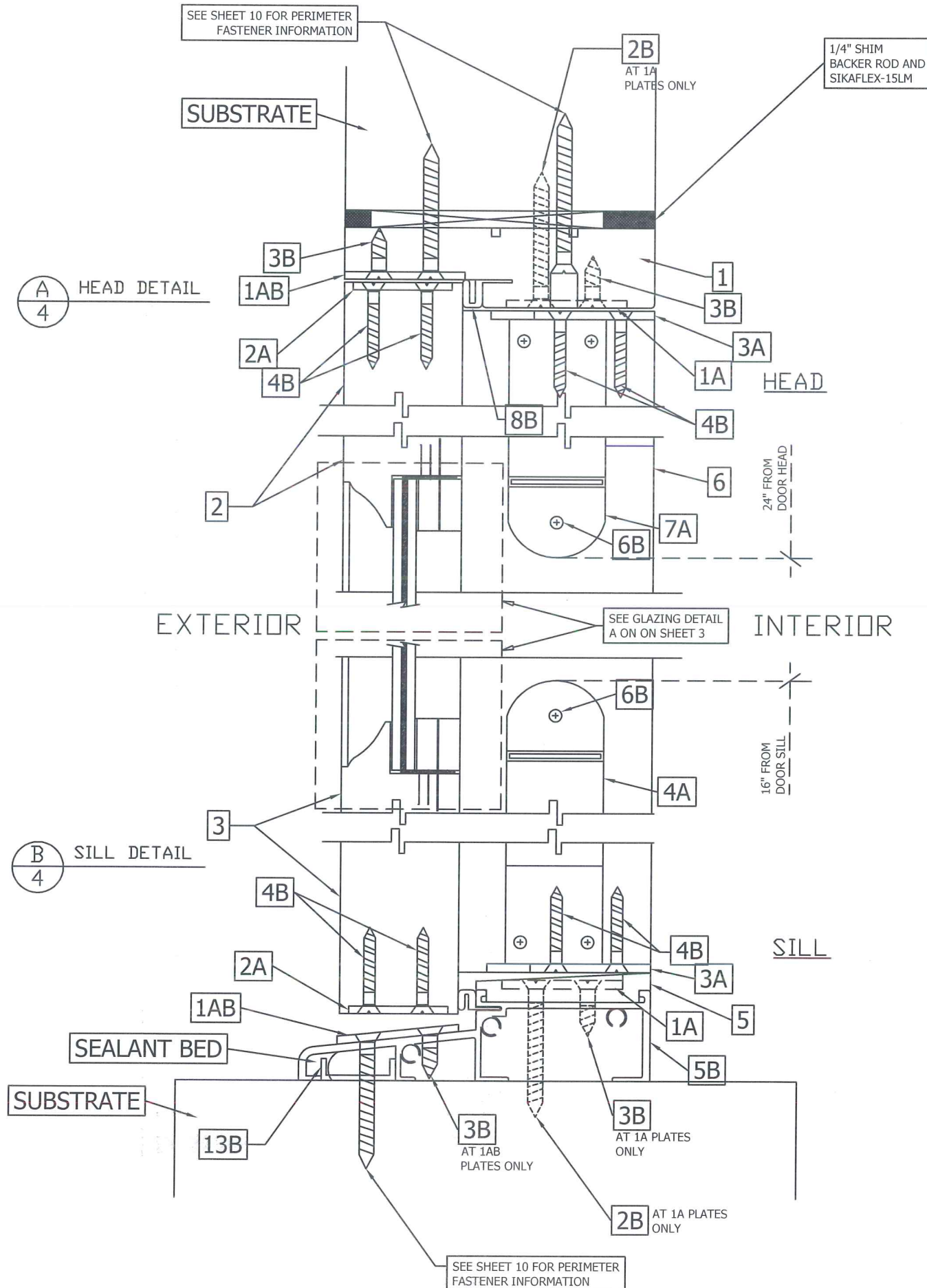
DOOR HEIGHT	# HINGES REQ'D MAX SPACING 27 3/8"
8' - 2"	4

O X X O

SHAPES CONSIDERED AS PART OF THIS APPROVAL

BY	LAT	LAT		
DESCRIPTION	ORIGINAL	RELEASE	2ND	
DATE	2/27/2012		10/08/2012	
REV.	0	1		
PORTILLO SERIES BOCA DOOR				
PROJECT NAME:				
Florida Impact Door Systems, Inc. 3850 W. Industrial Way #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440				
DRAWING # 001				
SCALE: NTS				
SHEET 3 of 10				

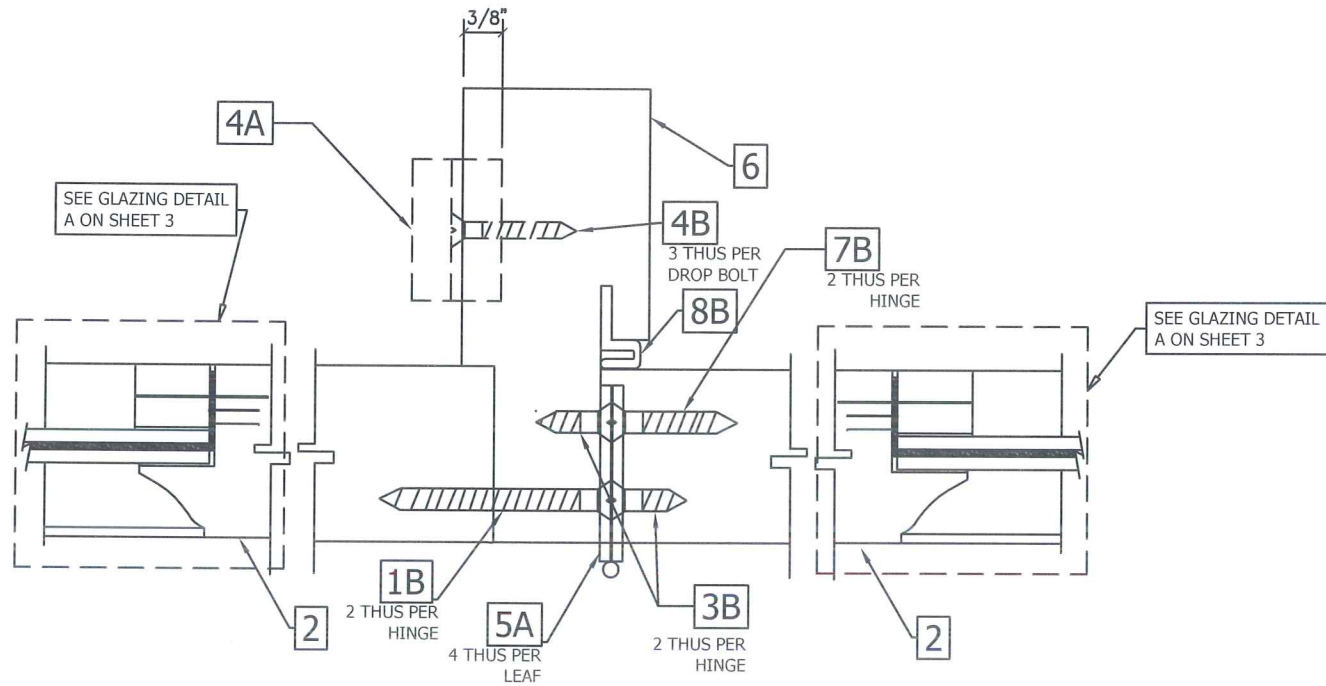




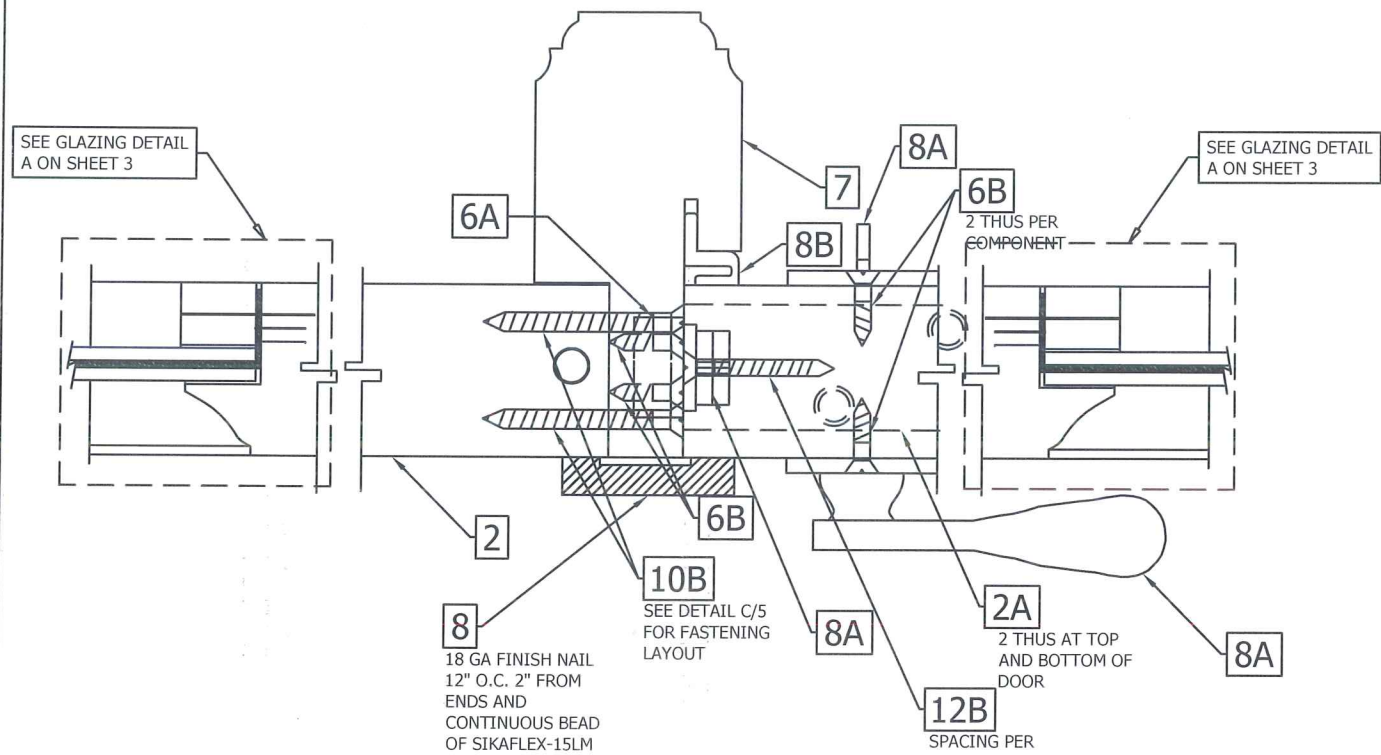
REV.	DATE	DESCRIPTION	BY
0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	

PROJECT NAME:	PORTILLO SERIES BOCA DOOR
DRAWING #	001
SCALE:	NTS
SHEET	4 of 10

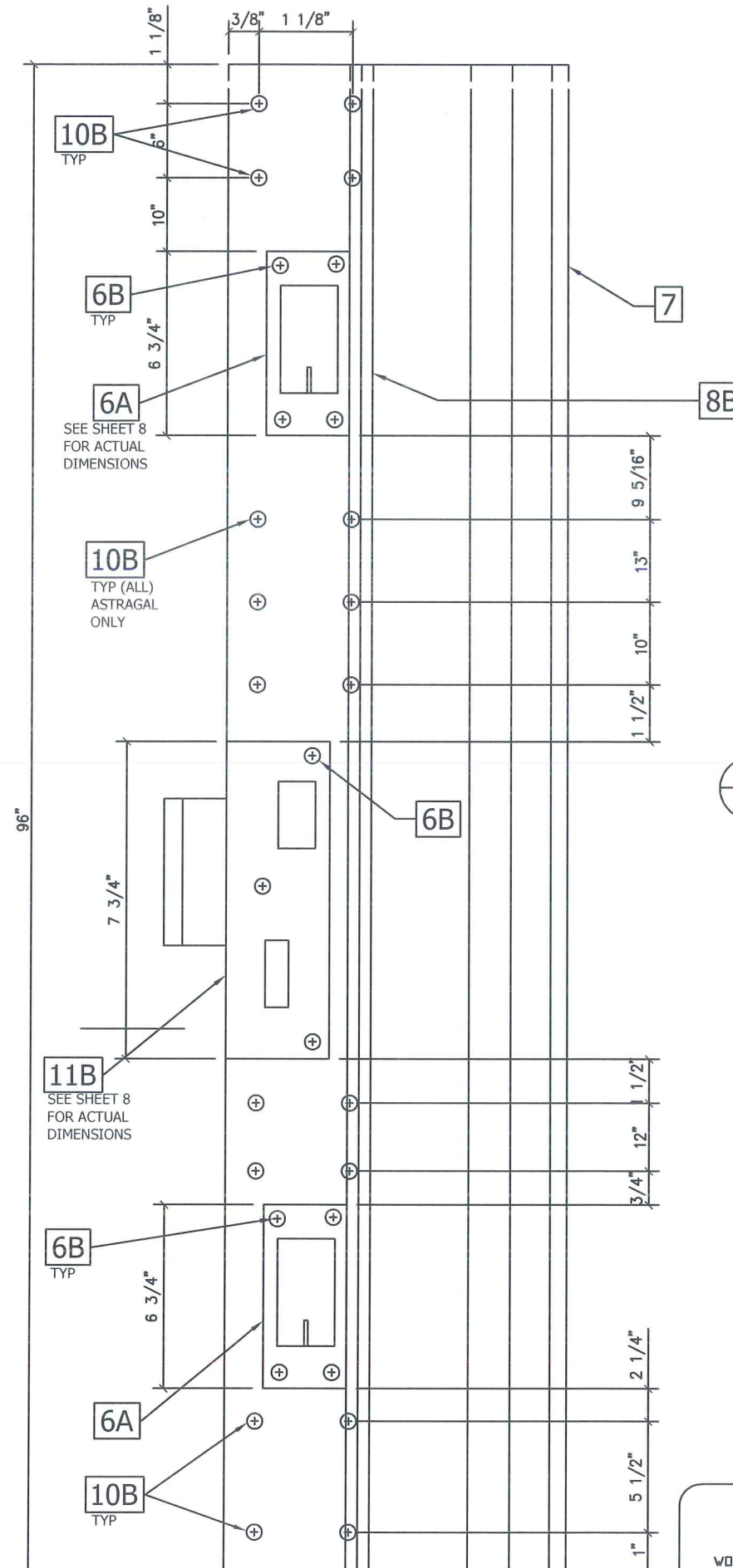
Florida Impact Door Systems, Inc.	3850 W. Industrial Way, #1
Riviera Beach, FL 33404	PHONE: 561.841.8590
	FAX: 561.841.9440



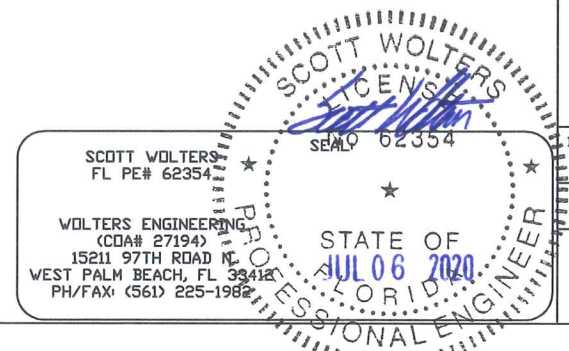
A
5 DOOR BRACE DETAIL



B
5 DOOR ASTRAGAL DETAIL

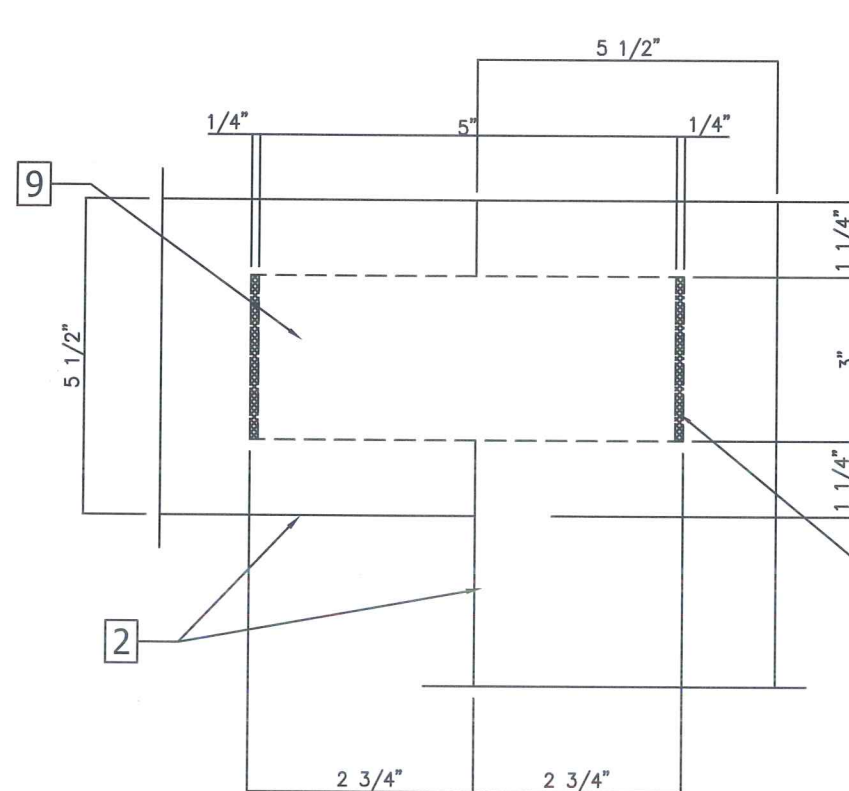


C
5 DOOR ASTRAGAL FASTENER LAYOUT

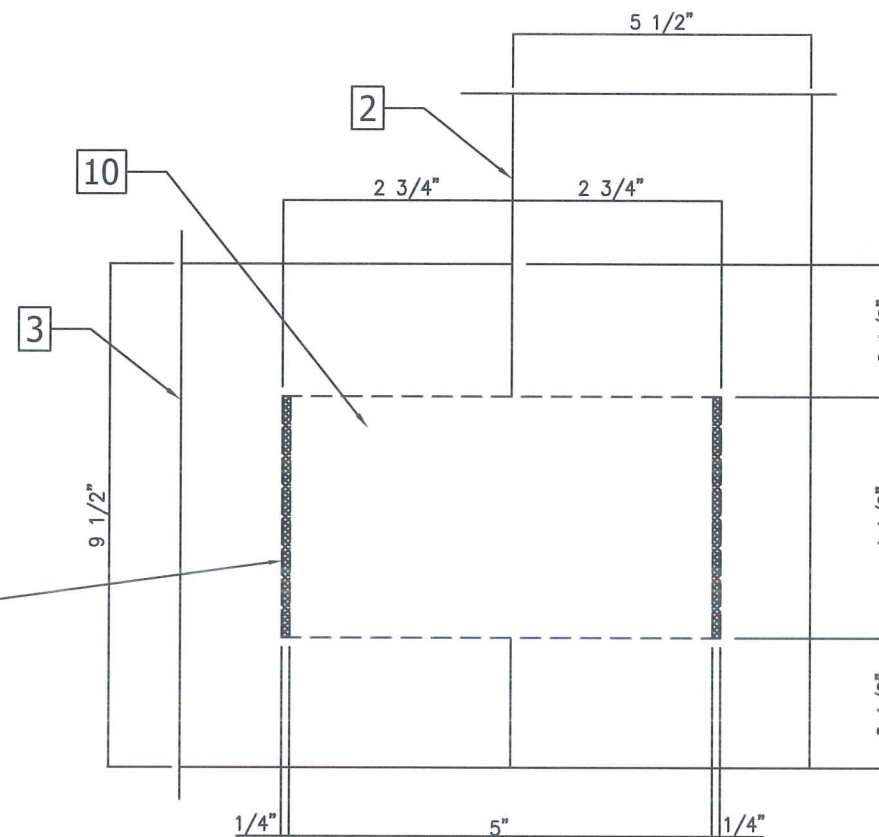


REV.	DATE	DESCRIPTION	BY
0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	

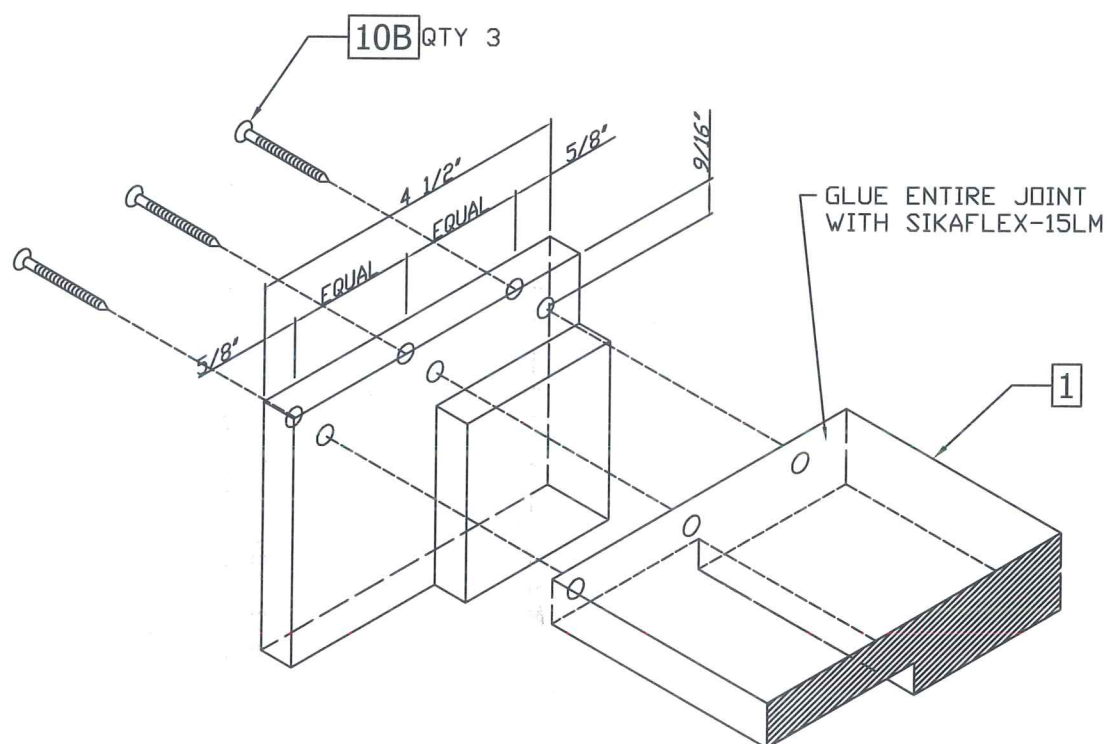
PROJECT NAME:	PORTILLO SERIES BOCA DOOR
Florida Impact Door Systems, Inc. 3850 W. Industrial Way, #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440	DRAWING # 001 SCALE: NTS SHEET 5 of 10



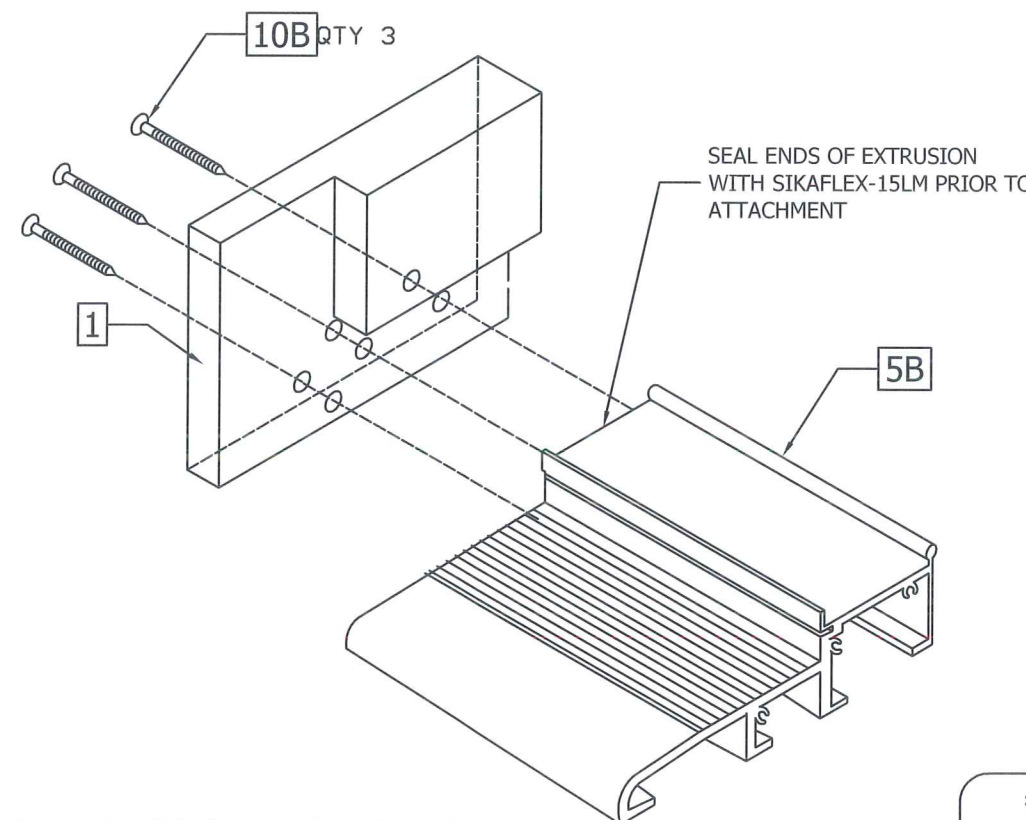
(A)
6 TYP. TOP RAIL ASSEMBLY DETAIL



(B)
6 TYP. BOTTOM RAIL ASSEMBLY DETAIL



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



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

SCOTT WOLTERS
FL PE# 62354

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STATE OF
FLORIDA
PROFESSIONAL ENGINEER

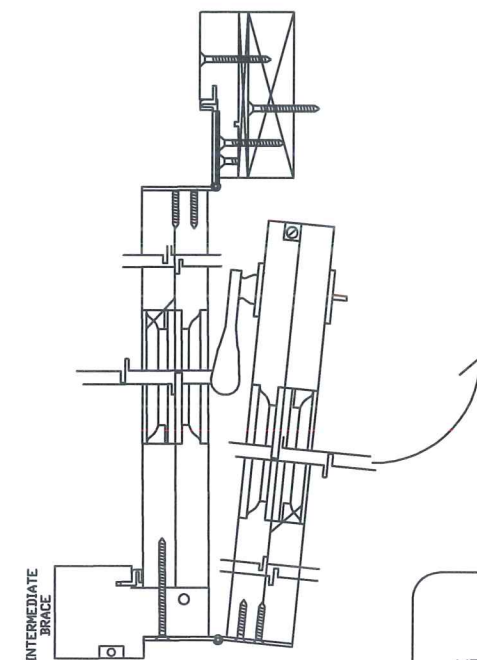
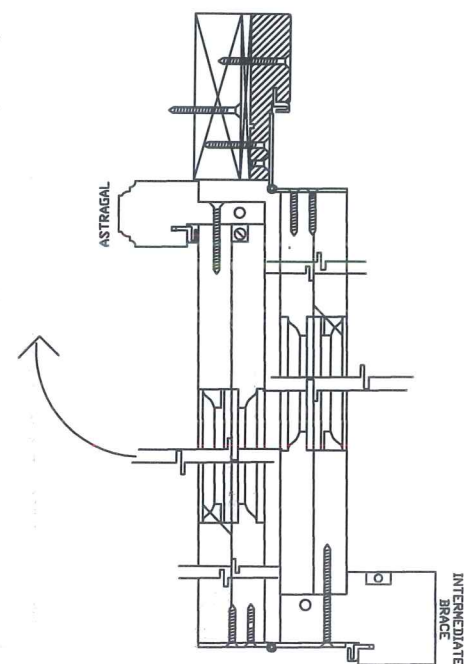
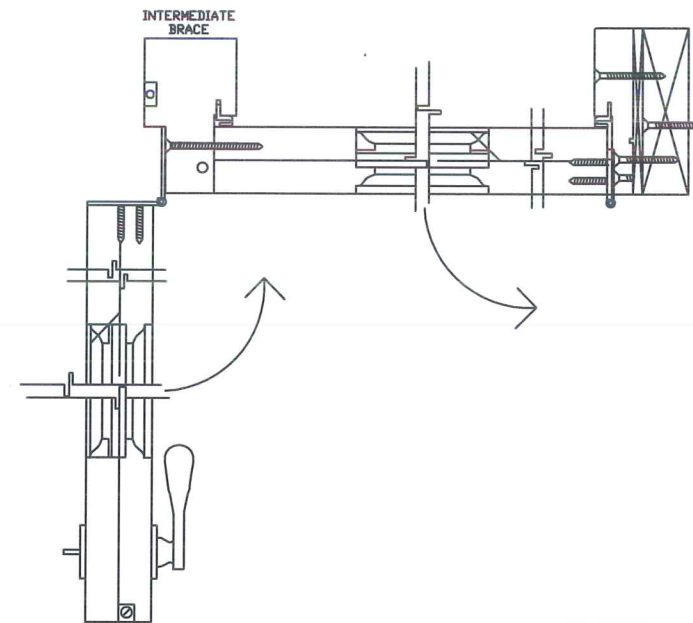
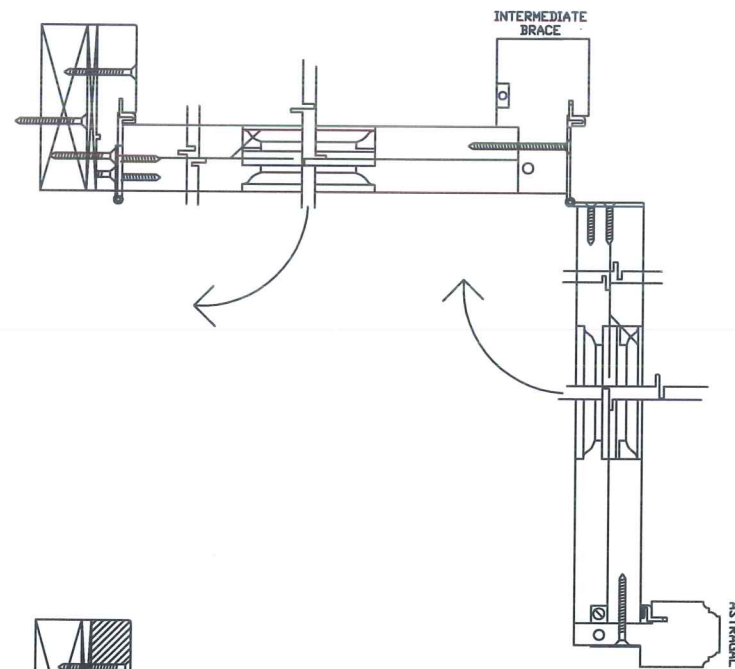
SCOTT WOLTERS
PE# 62354

DATE: 06/06/2020

REV.	DATE	DESCRIPTION	BY	F.N.
0	07/09/2012	ORIGINAL RELEASE		
1	10/08/2012	2ND SUBMITTAL		

PROJECT NAME:	PORTILLO SERIES BOCA DOOR
Florida Impact Door Systems, Inc. 3850 W. Industrial Way #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440	DRAWING # 001 SCALE: NTS SHEET 6 of 10

Technical drawing of a bridge girder showing the connection of a central panel to the end panels. The drawing includes labels for "INTERMEDIATE BRACE" and "ASTRAGAL". It shows the internal structural components like girders, stiffeners, and bracing, along with the external deck and floor beams. Arrows indicate the direction of force or movement.

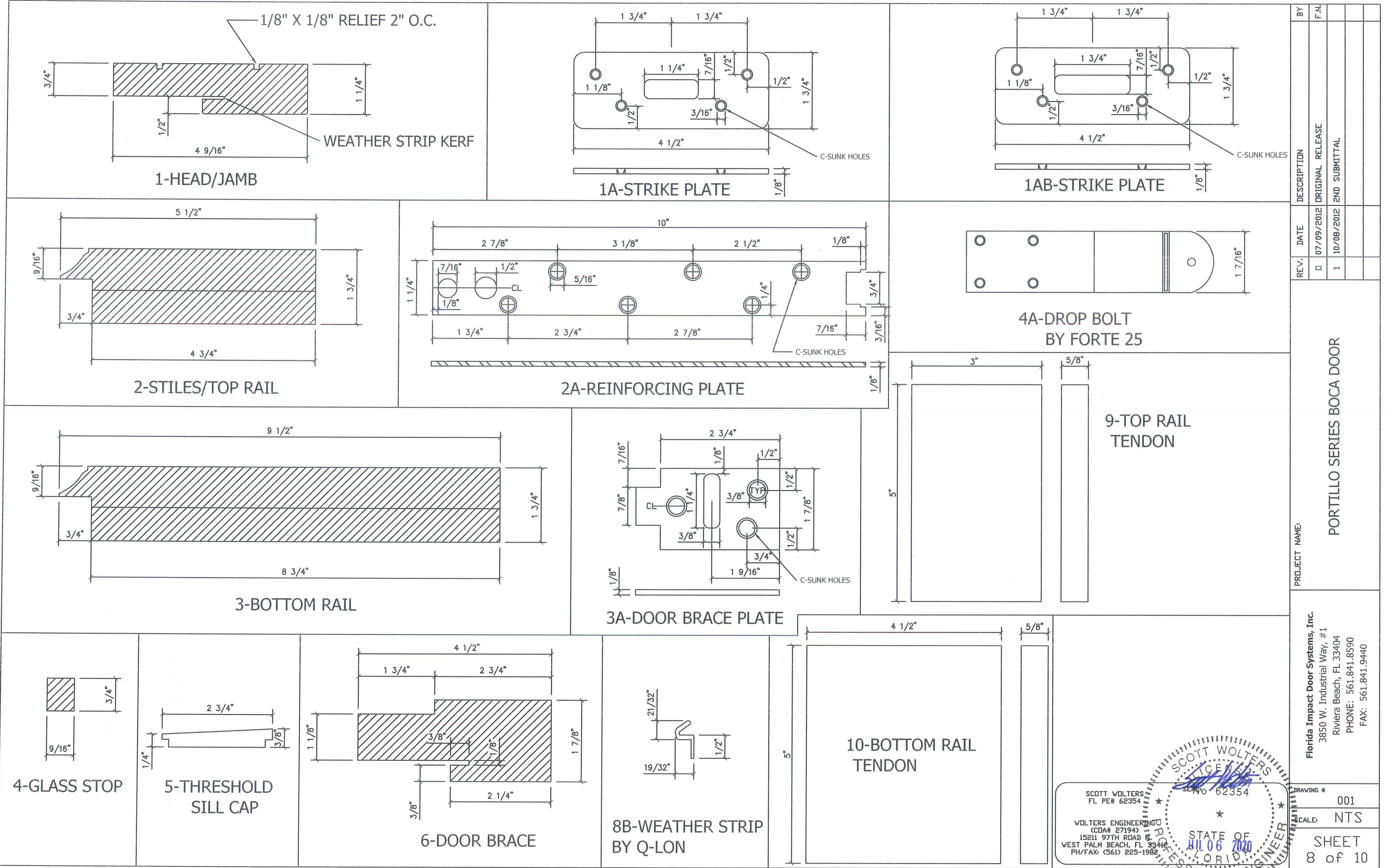


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WOLTERS ENGINEERING
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15211 97TH ROAD N.
WEST PALM BEACH, FL 334
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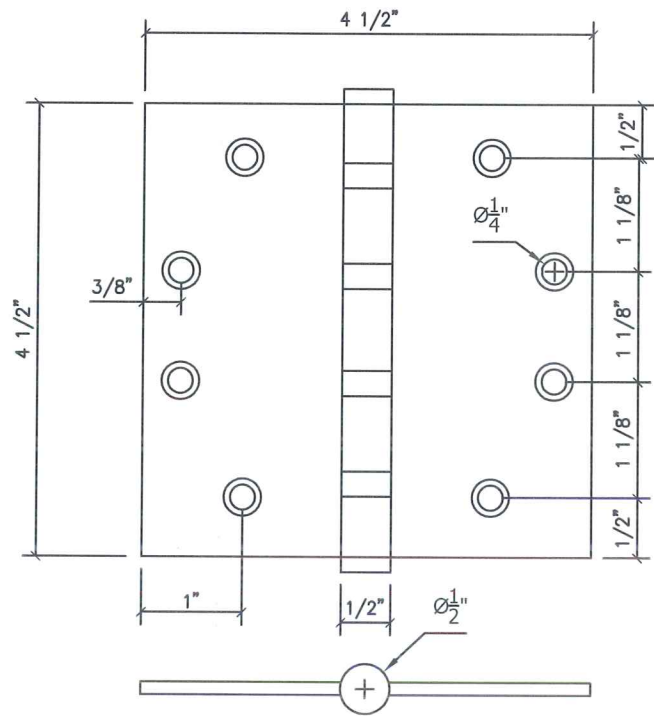
SCOTT WOLTERS
LICENSE NO. 62354
STATE OF FLORIDA
EXPIRATION DATE 4/1/2020

Florida Impact Door Systems, Inc. 3850 W. Industrial Way, #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440		PROJECT NAME:	
DRAWING # 001		PORTILLO SERIES BOCA DOOR	
SCALE: NTS		SHEET 7 of 10	
REV.	DATE	DESCRIPTION	BY
0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	

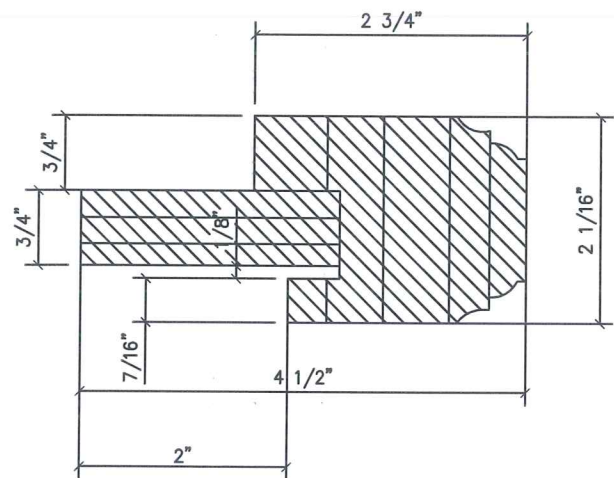


REV.	DATE	DESCRIPTION	BY
0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	

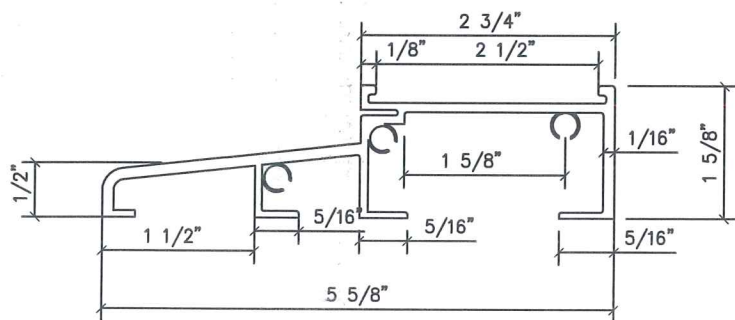
PROJECT NAME:	PORTILLO SERIES BOCA DOOR
Florida Impact Door Systems, Inc.	3850 W. Industrial Way, #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440
DRAWING #	001
SCALE	NTS
SHEET	8 of 10



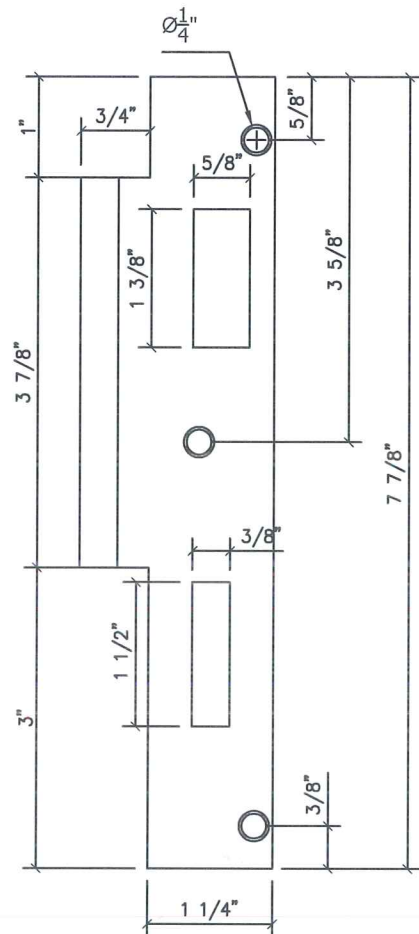
5A-HINGE



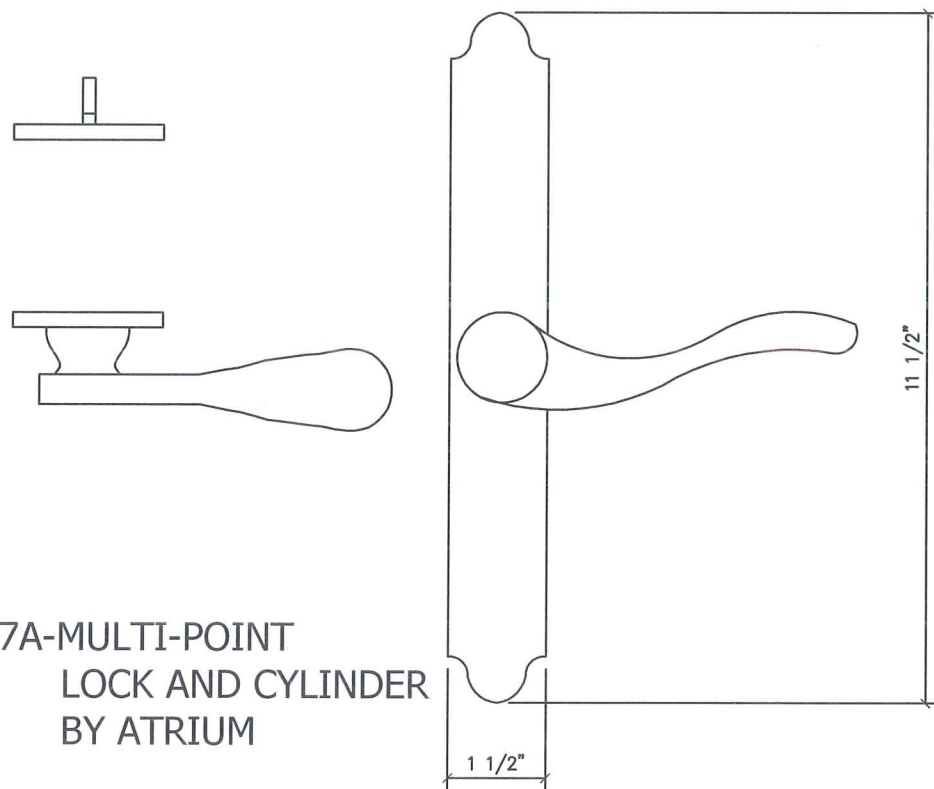
7-ASTRAGAL



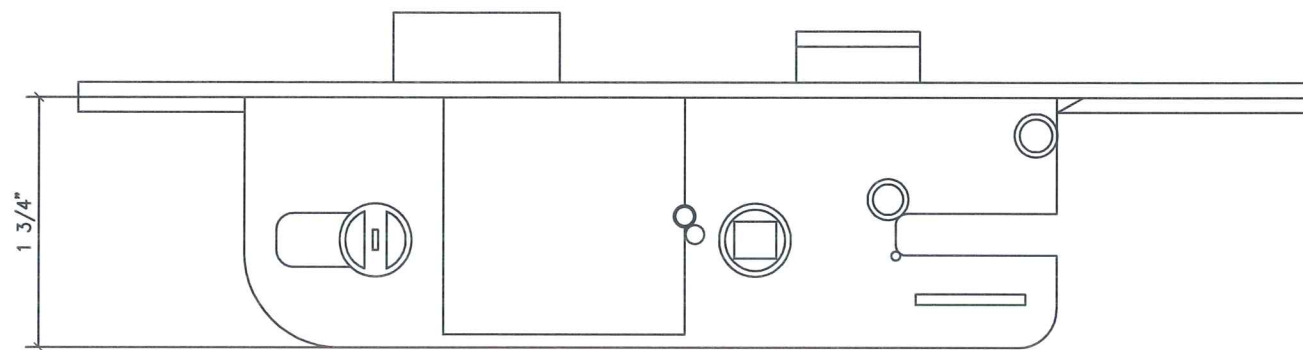
5B-HIGH DAM THRESHOLD



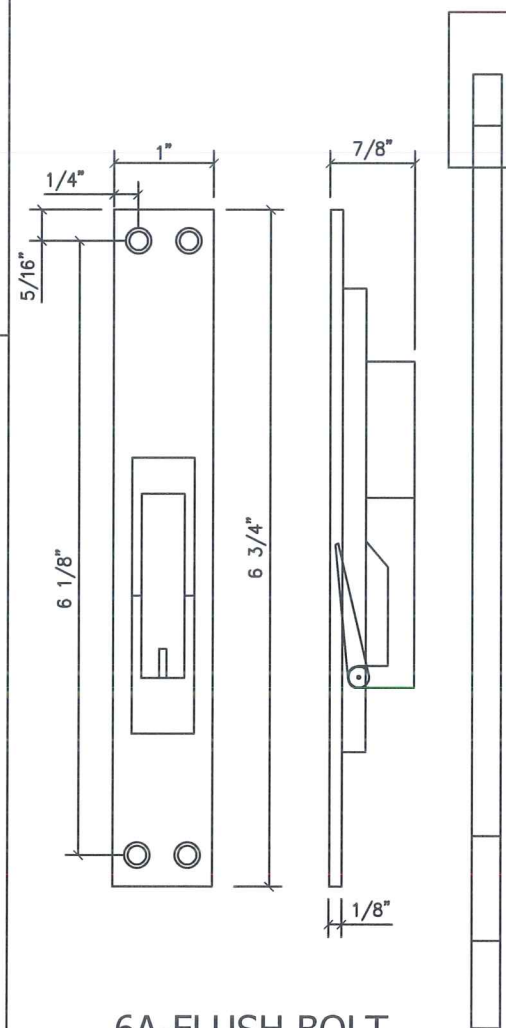
11B-LOCK THROW PLATE



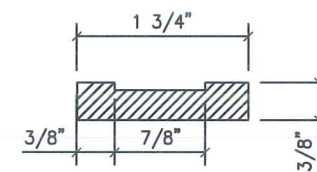
7A-MULTI-POINT
LOCK AND CYLINDER
BY ATRIUM



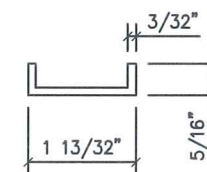
8A-CREMONA DOOR LOCK SYSTEM
BY G-U BKS



6A-FLUSH BOLT
BY DELTANA

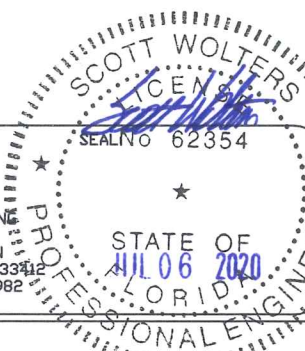


8-ASTRAGAL
COVER



13B-ALUMINUM CHANNEL

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0	07/09/2012	ORIGINAL RELEASE	F.N.
1	10/08/2012	2ND SUBMITTAL	

PROJECT NAME:
PORTILLO SERIES BOCA DOOR

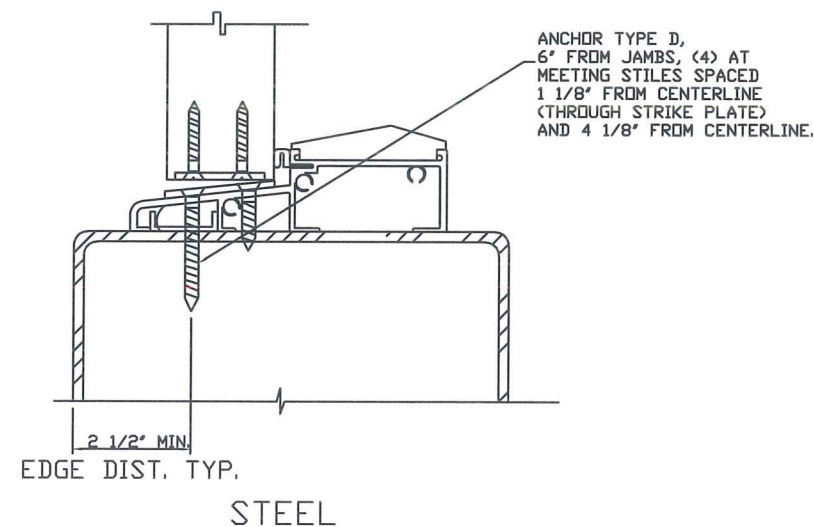
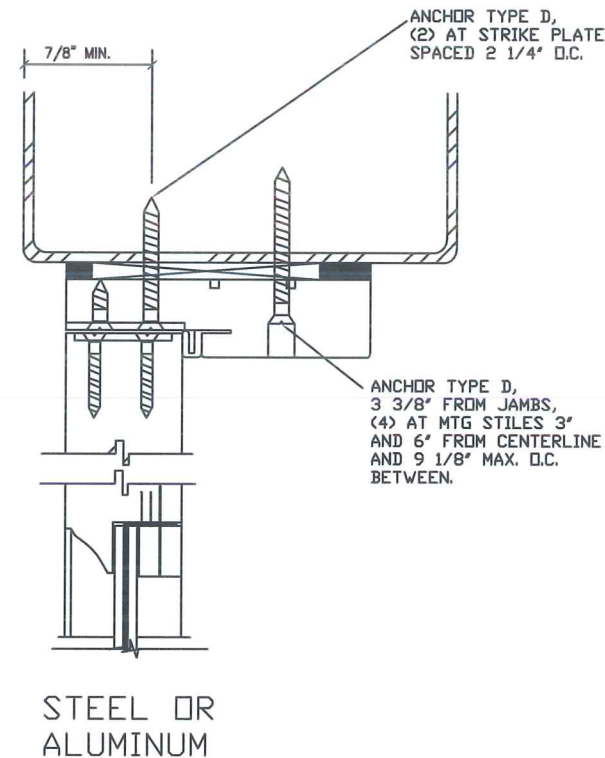
Florida Impact Door Systems, Inc.
3850 W. Industrial Way, #1
Riviera Beach, FL 33404
PHONE: 561.841.8590
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DRAWING #	001
SCALE	NTS
SHEET	9 of 10

TYPICAL ANCHOR CONDITIONS

ANCHOR TYPE A,C,D, OR E,
AT CENTERLINE OF HINGES.

ANCHOR TYPE A,C,D, OR E,
1 3/4" ABOVE AND BELOW
CENTER OF HINGE.



DRAWING #		001
SCALE		NTS
SHEET		10 of 10
Florida Impact Door Systems, Inc. 3850 W. Industrial Way, #1 Riviera Beach, FL 33404 PHONE: 561.841.8590 FAX: 561.841.9440		
PROJECT NAME: PORTILLO SERIES BOCA DOOR		
REV.	DATE	DESCRIPTION
☐	07/09/2012	ORIGINAL RELEASE
1	10/08/2012	2ND SUBMITTAL