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SHEET NO.	TITLE
101	COVER PAGE
102	PIVOT DOOR- ELEVATION AND SECTION
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107	HINGE DOOR- PARTS LIST
108	PIVOT DOOR- ANCHORAGE LAYOUT
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110	PIVOT & HINGE DOOR- ANCHORAGE DETAILS

ADDITIONAL DETAILS:

FOR SPECIAL SITE SPECIFIC CONDITIONS, PLEASE CONTACT SALUS SECURE ENVIRONMENTS AT INFO@SALUSSECURITYDOORS.COM.

SALUS SECURE ENVIRONMENTS, LLC.

SALUS SECURITY DOORS- PIVOT DOOR AND HINGE DOOR

FL# 44532



PIVOT DOOR

DESIGN PRESSURE RATING	IMPACT RATING
+ / - 75 PSF	LARGE AND SMALL MISSILE IMPACT RATED
THE STANDARD PIVOT DOOR WAS NOT TESTED FOR WATER INFILTRATION AND IS TO BE INSTALLED ONLY WHERE THE WATER REQUIREMENT IS NOT NEEDED.	

HINGE DOOR

DESIGN PRESSURE RATING	IMPACT RATING
+ / - 75 PSF	LARGE AND SMALL MISSILE IMPACT RATED
THE STANDARD HINGE DOOR WAS TESTED FOR WATER INFILTRATION AND CAN BE INSTALLED WHERE THE WATER REQUIREMENT IS NEEDED.	

- GENERAL NOTES:**

1. THESE PRODUCTS COMPLY WITH THE 8TH EDITION OF FLORIDA BUILDING CODE (2023) AND HAVE BEEN TESTED AS PER HVHZ PROTOCOLS TAS 201, TAS 202, TAS 203, FORCED ENTRY TEST AS PER ASTM F588-17 AND AAMA 1304-18.

2. THE DOORS ARE LARGE MISSILE IMPACT RATED.

3. APPROVED HARDWARE SHOWN; INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS OR AS SHOWN IN THIS APPROVAL.

4. FIRE RATING IS NOT A PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE, INSTALLATION AND APPLICATION SHALL BE UNDER SEPARATE APPROVAL AND IS TO BE REVIEWED BY THE CORRESPONDING AUTHORITY.

5. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS, AND ELECTRIFIED LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF HARDWARE AND/OR INHIBIT EGRESS; TO BE REVIEWED BY BUILDING CODE OFFICIAL.

6. THIS PRODUCT IS DESIGNED TO PROVIDE PROTECTION FROM HURRICANE FORCE WINDS AND WIND BORNE DEBRIS (LARGE IMPACT RESISTANCE) WITHIN THE ALLOWABLE DESIGN PRESSURES AND LIMITATIONS STATED IN THIS APPROVAL.

7. ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN IN THESE DRAWINGS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

8. ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THE DETAILS ARE NOT PART OF THIS APPROVAL.

9. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL / METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) SECTION AS APPLICABLE.

10. STRUCTURES BY OTHERS TO BE DESIGNED PROPERLY TO SUPPORT THE LOADS IMPOSED BY THIS SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.

11. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS. ULTIMATE LOADS OBTAINED FROM ASCE 7-22, AND MULTIPLIED BY 0.6 SHALL BE LESS THAN OR EQUAL TO THE MAX. DESIGN LOADS SHOWN IN THIS DOCUMENT.

12. 2BY WOOD BUCKS IF SHOWN IN THESE DRAWINGS SHALL BE BY OTHERS AND SHALL BE PROPERLY ANCHORED TO TRANSFER LOADS TO BUILDING STRUCTURE.

13. THE DIMENSIONS SHOWN IN THESE DRAWINGS ARE INDICATIVE ONLY. DO NOT SCALE THESE DRAWINGS.

14. MULTIPLE UNITS WHEREVER USED IN THIS APPROVAL ARE IN THE FORMAT- "MM [INCH]"

THESE DOORS ARE APPROVED FOR LARGE AND SMALL MISSILE IMPACT. SHUTTERS ARE NOT NEEDED.



Javad Ahmad

2023.11.14

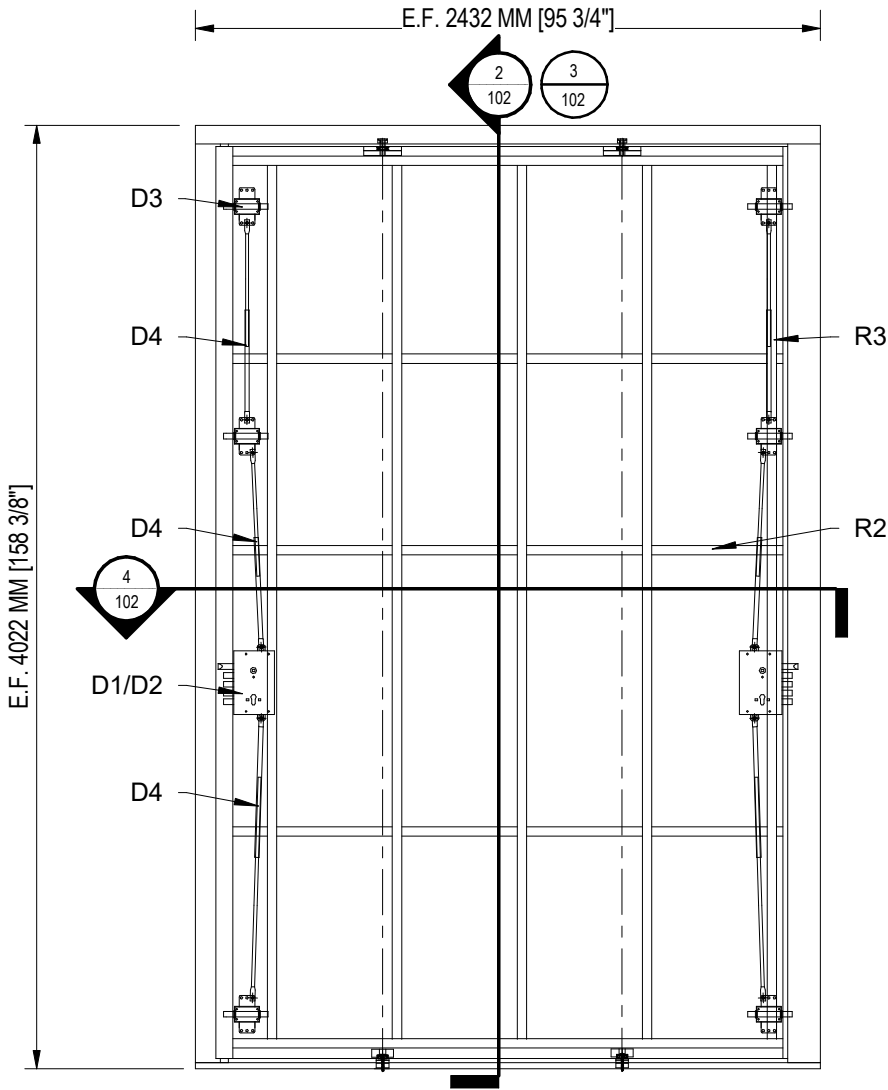
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- Ph: (305) 424-8001
support@ja-pe.com
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- SALUS SECURITY DOORS- PIVOT AND HINGE DOORS
(LARGE AND SMALL MISSILE IMPACT RATED)

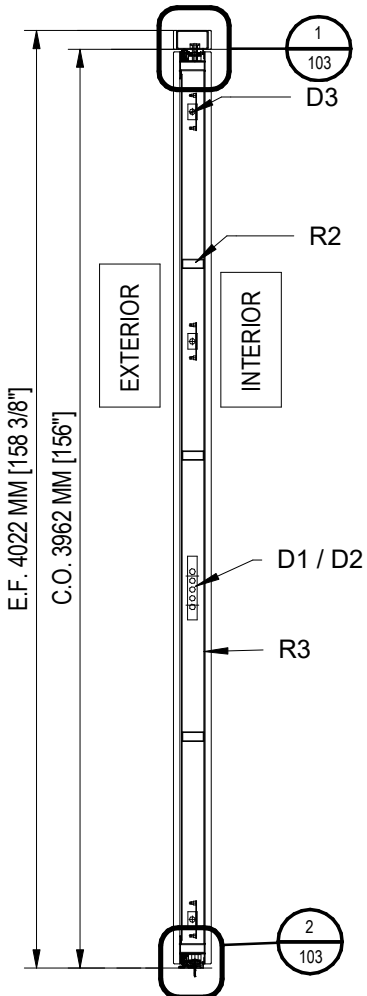
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NAPLES, FL 34110
(800) 854-2147
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| drawing no. | date: | REVISION | | | |
| | | No. | DATE | BY | DESCRIPTION |
| JA-1545-22 | 11-20-23 | | | | |
| BS | SJ | | | | |
| Eng: JAVAD AHMAD CIVIL
FLA PE #70592
C.A.N. 34254 | | | | | |
| 101 | 101 OF 110 | | | | |

PIVOT DOOR-ELEVATION AND SECTION

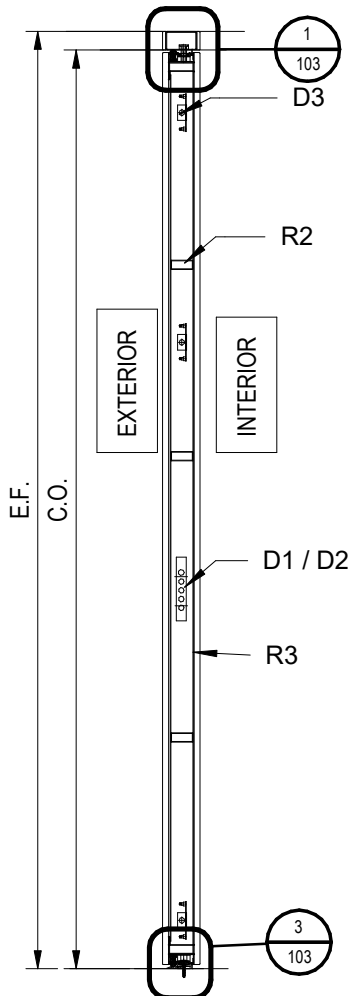
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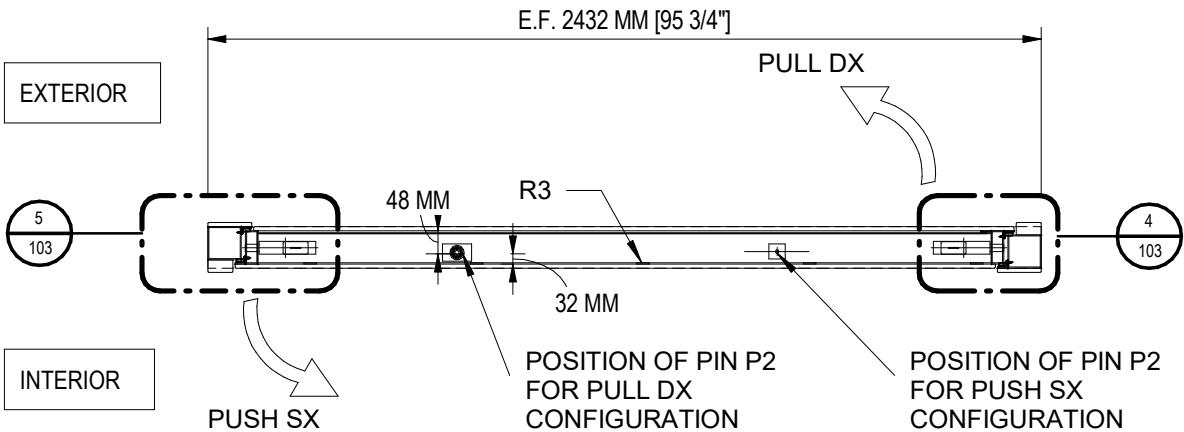
1
102
FRONT ELEVATION-INTERNAL
NOT TO SCALE



2
102
VERTICAL SECTION W/ LARGE THRESHOLD
NOT TO SCALE



3
102
VERTICAL SECTION W/ LIGHT THRESHOLD
NOT TO SCALE



4
102
HORIZONTAL SECTION
NOT TO SCALE



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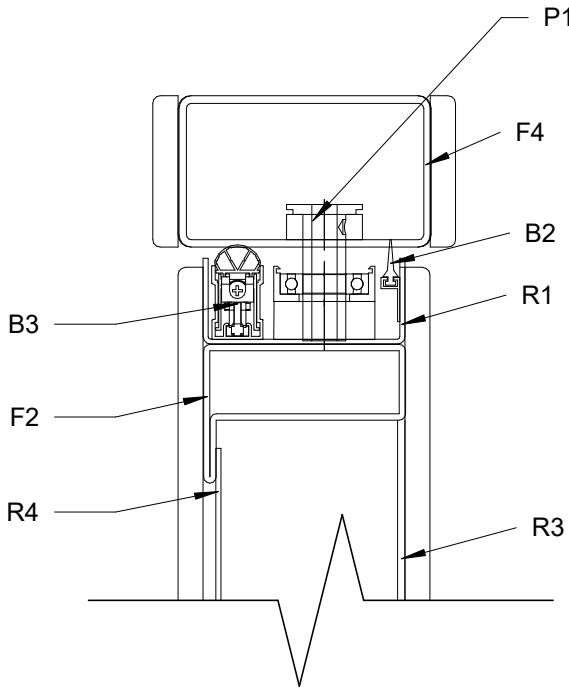


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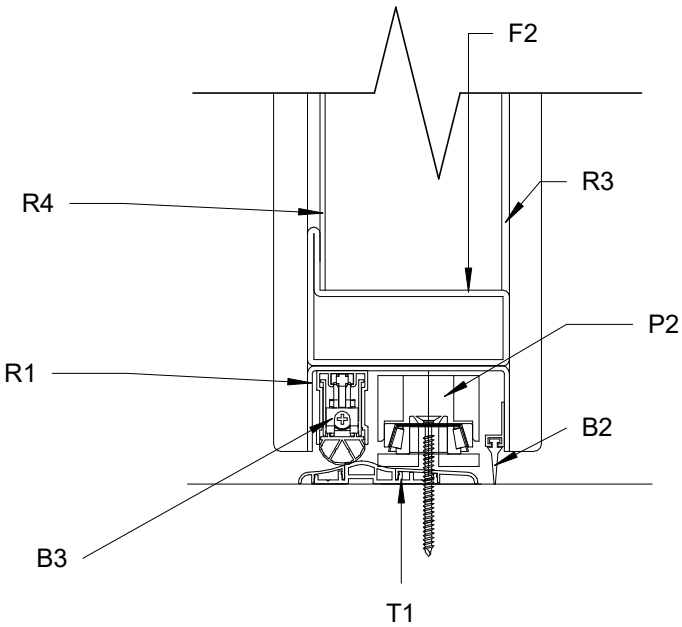
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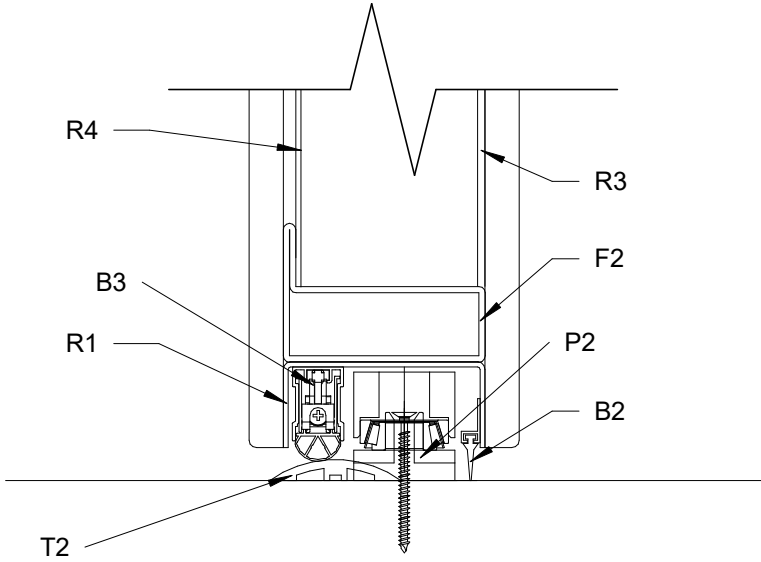
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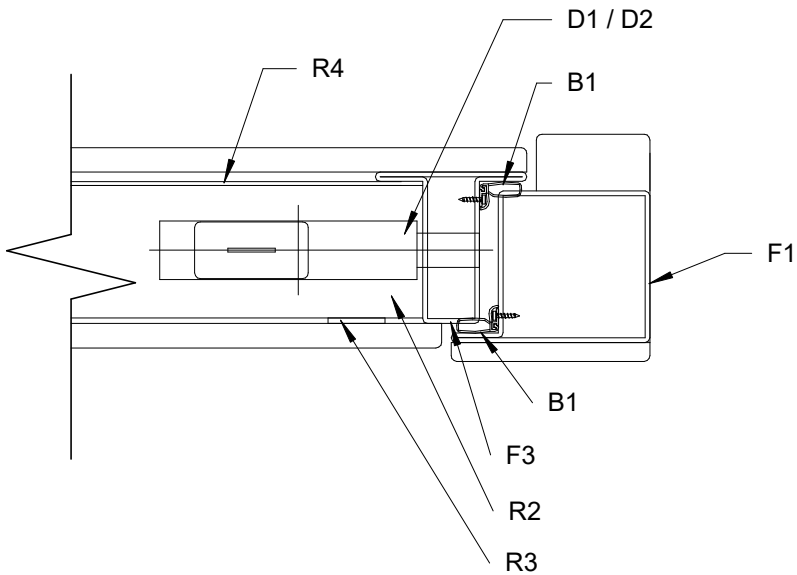
1
103
HEADER DETAIL
NOT TO SCALE



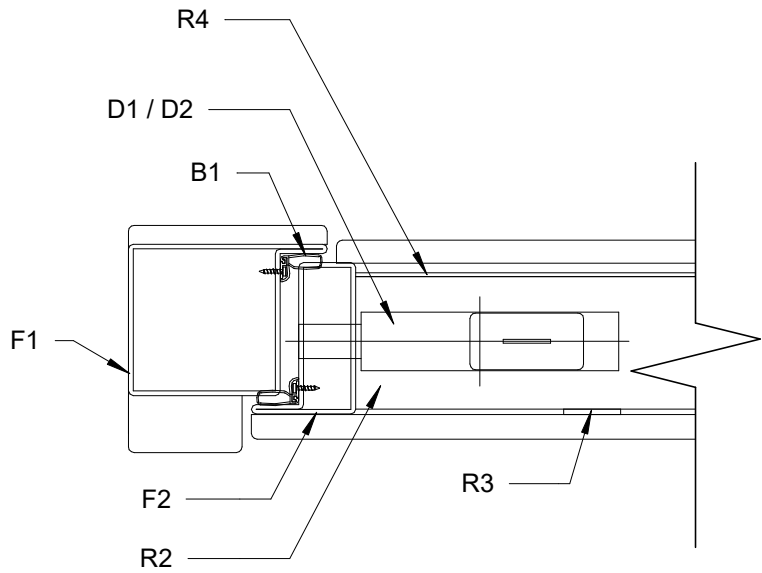
2
103
LARGE THRESHOLD DETAIL
NOT TO SCALE



3
103
LIGHT THRESHOLD DETAIL
NOT TO SCALE



4
103
JAMB DETAIL 1
NOT TO SCALE



5
103
JAMB DETAIL 2
NOT TO SCALE

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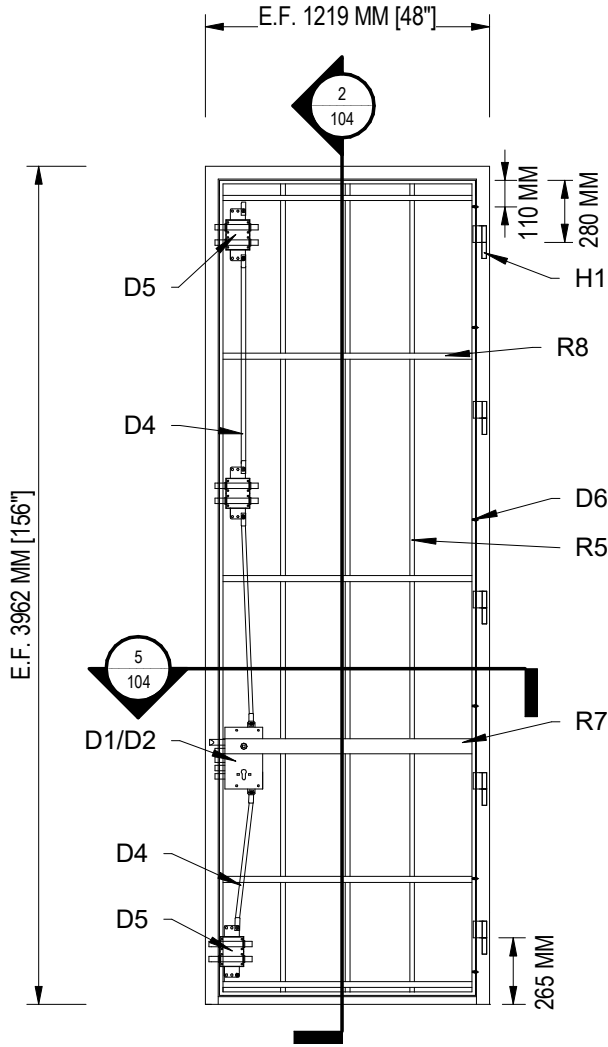
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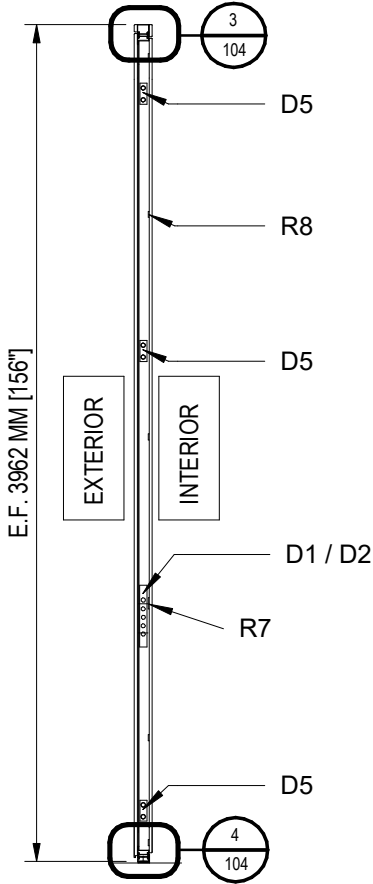
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HINGE DOOR- ELEVATION AND SECTION

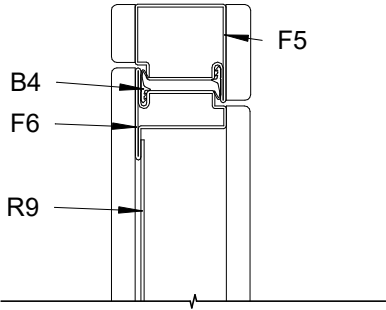
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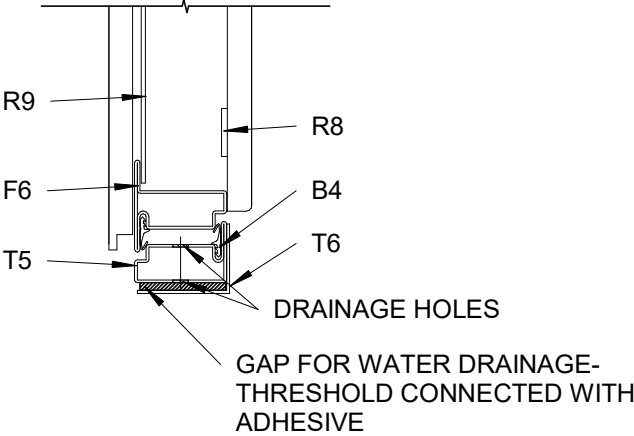
1
104
HINGE DOOR ELEVATION
NOT TO SCALE



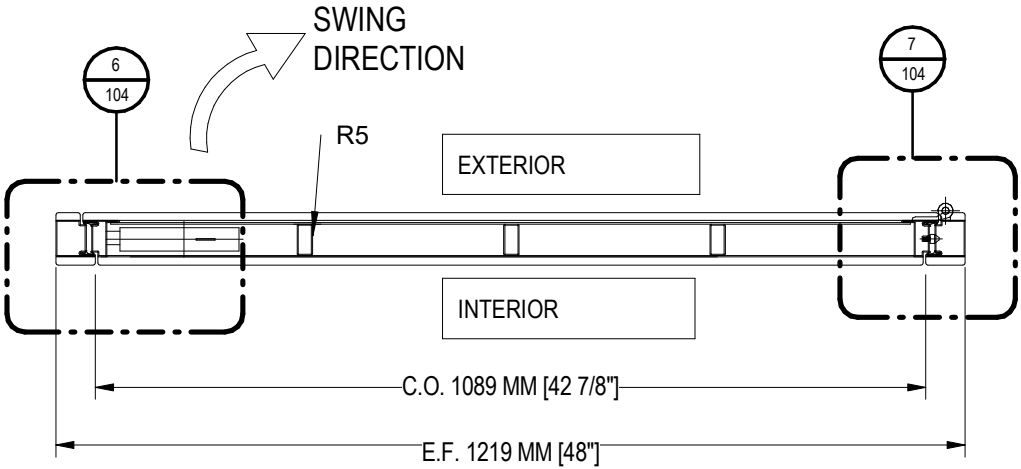
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104
HINGE DOOR-VERTICAL SECTION
NOT TO SCALE



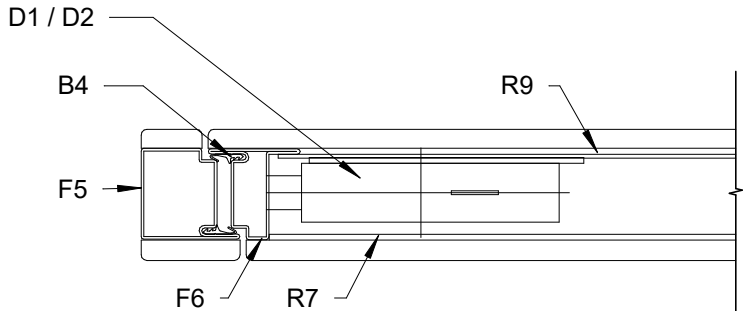
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104
HINGE DOOR-HEADER DETAIL
NOT TO SCALE



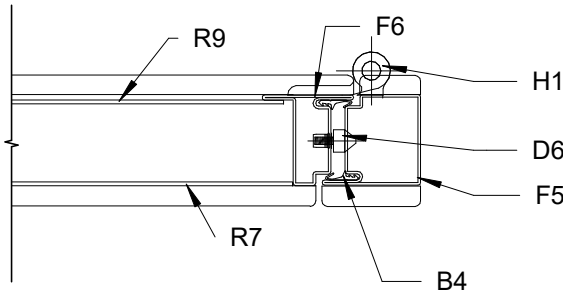
4
104
HINGE DOOR-BOTTOM W/ THRESHOLD
NOT TO SCALE



5
104
HINGE DOOR-HORIZONTAL SECTION
NOT TO SCALE



6
104
HINGE DOOR-JAMB DETAIL 1
NOT TO SCALE



7
104
HINGE DOOR-JAMB DETAIL 2
NOT TO SCALE



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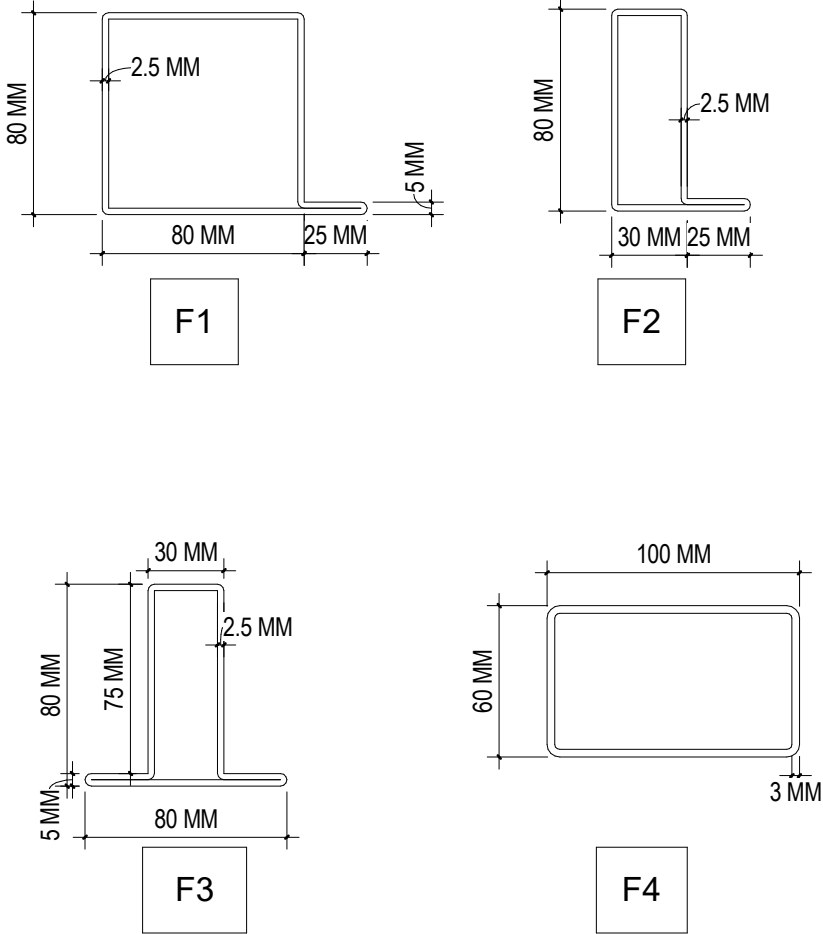
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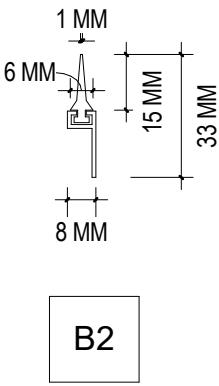
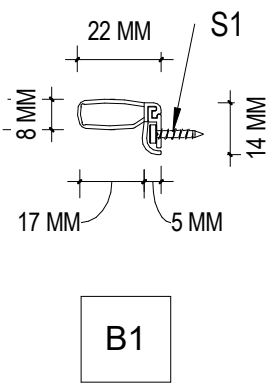
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Ahmad
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PIVOT DOOR- PARTS LIST

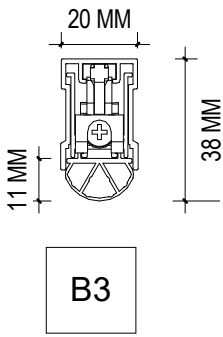
LEAF & FRAME PROFILES



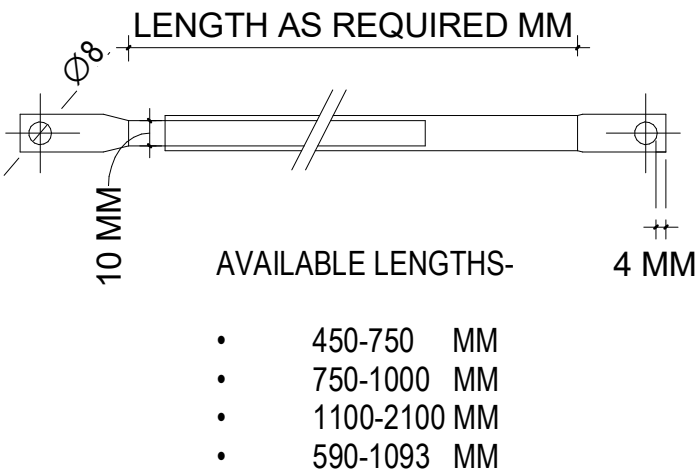
GASKETS



DROP DOWN SEAL



TELESCOPIC RODS D4



FL# 44532

STANDARD PIVOT DOOR COMPONENTS

DESCRIPTION	ITEM CODE	MATERIAL	REFER	QUANTITY
LEAF & FRAME PROFILES	F1	STEEL	SHEET 105	AS REQUIRED
	F2	STEEL		AS REQUIRED
	F3	STEEL		AS REQUIRED
	F4	STEEL		AS REQUIRED
REINFORCEMENT PROFILES	R1	STEEL	SHEET 105	AS REQUIRED
	R2	STEEL		AS REQUIRED
	R3	STEEL		AS REQUIRED
STEEL SHEET	R4	STEEL		AS REQUIRED
GASKET	B1	EPDM		AS REQUIRED
BOTTOM & TOP EXTRA GASKET	B2	SILICONE		AS REQUIRED
DROP DOWN SEAL	B3	ALUMINUM & EPDM		AS REQUIRED
MANUAL LOCK	D1	STEEL	SHEET 105	AS REQUIRED
MOTORIZED LOCK	D2	STEEL		AS REQUIRED
SINGLE BOLTS	D3	STEEL		AS REQUIRED
TELESCOPIC RODS	D4	STEEL		AS REQUIRED
SCREW FOR GASKET B1	S1	STEEL	SHEET 105	AS REQUIRED
UPPER PIVOT SYSTEM	P1	STEEL	SHEET 106	1
LOWER PIVOT SYSTEM	P2	STEEL		1
LARGE THRESHOLD	T1	ALUMINUM	SHEET 105	AS REQUIRED
LIGHT THRESHOLD	T2	ALUMINUM		AS REQUIRED



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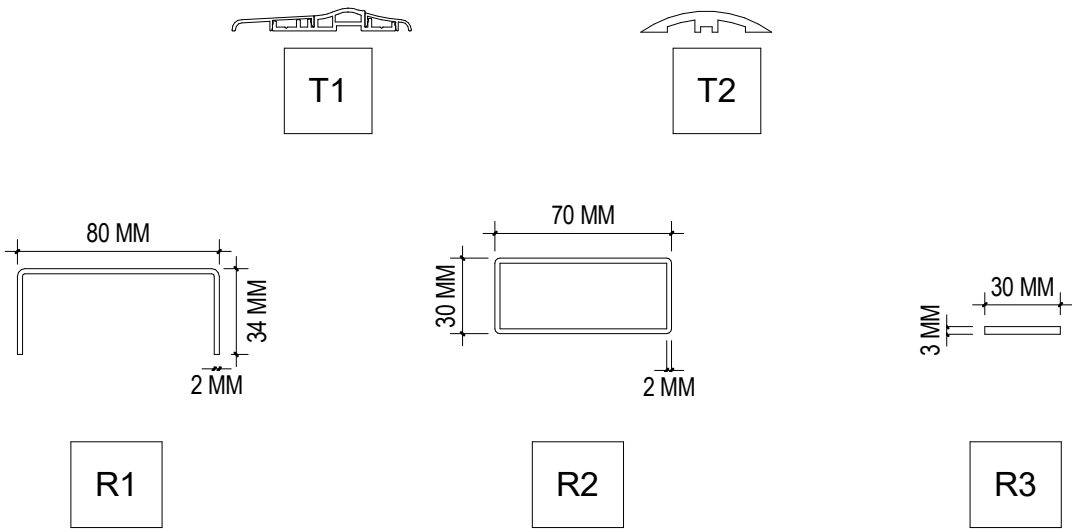
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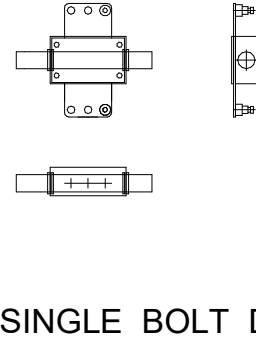
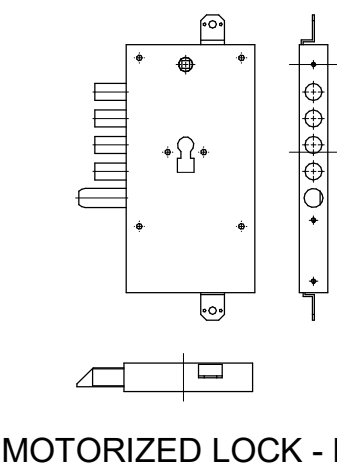
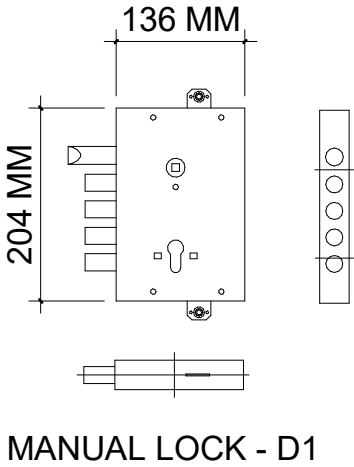
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PIVOT AND HINGE DOORS
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REINFORCEMENT AND THRESHOLD PROFILES

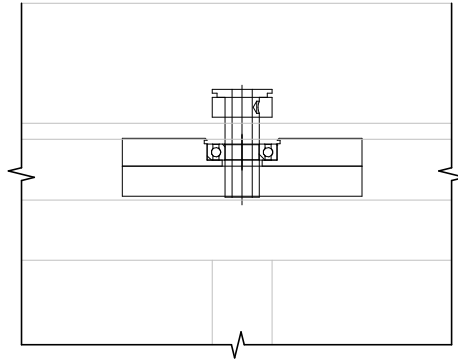


LOCKING HARDWARE



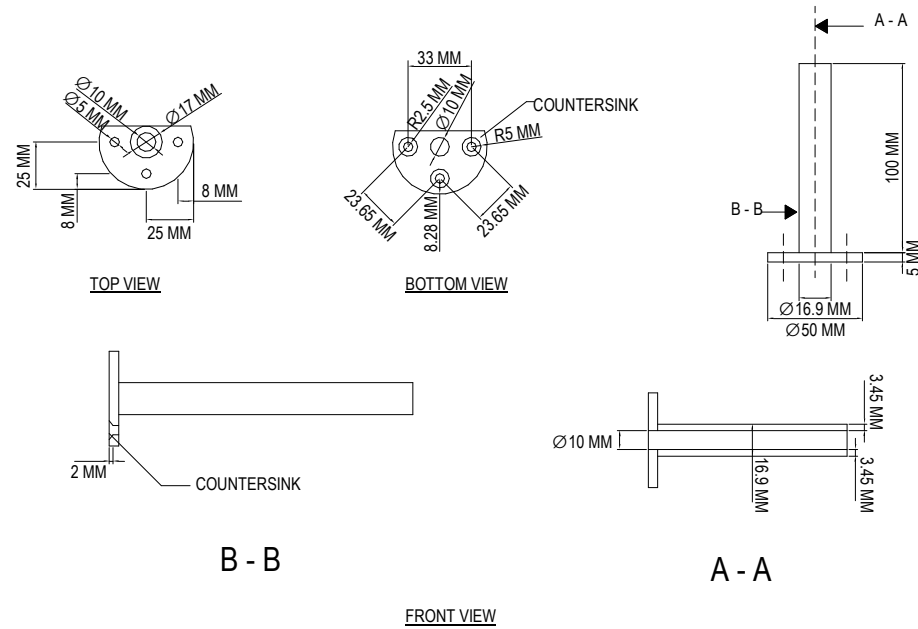
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date:	11-20-23	check by:	SJ
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No.	DATE	BY	DESCRIPTION
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105	105 OF 110		

PIVOT DOOR- PARTS LIST

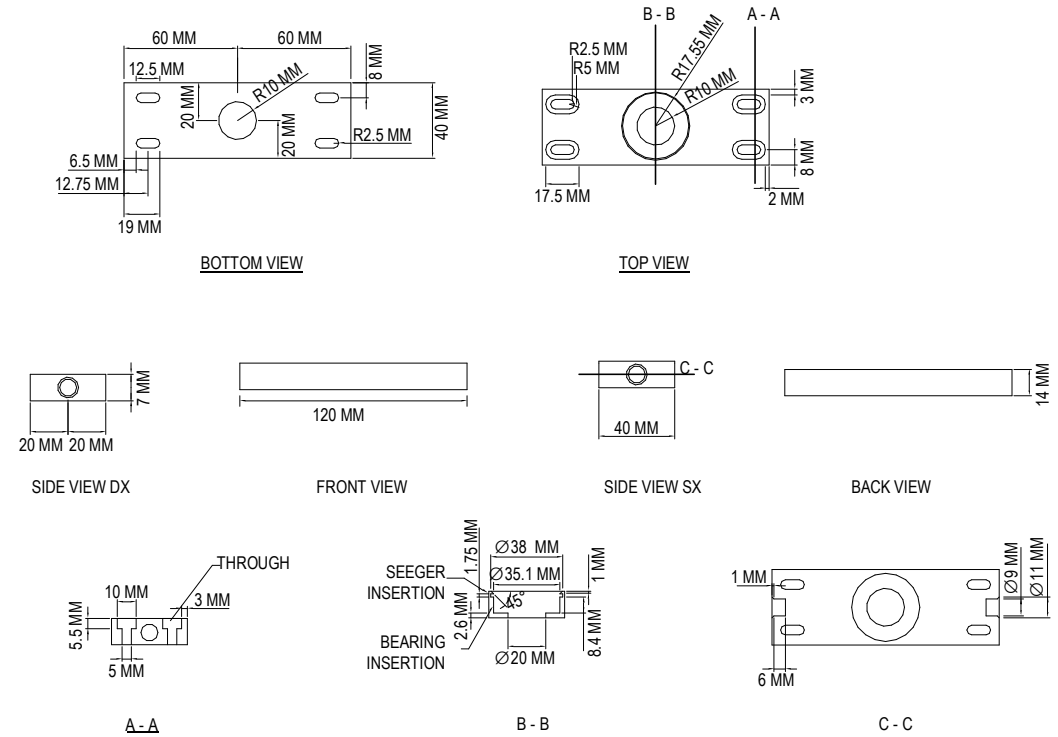


UPPER PIVOT SYSTEM-FRONT VIEW

UPPER PIVOT SYSTEM (P1)



UPPER PIVOT PIN



UPPER PIVOT PLATE

FL# 44532



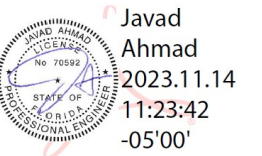
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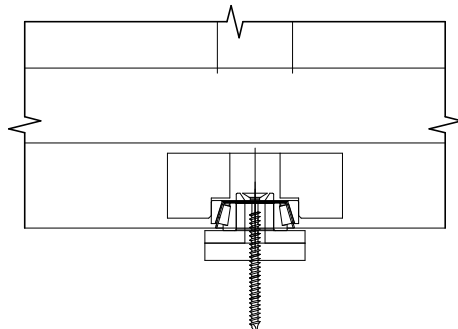
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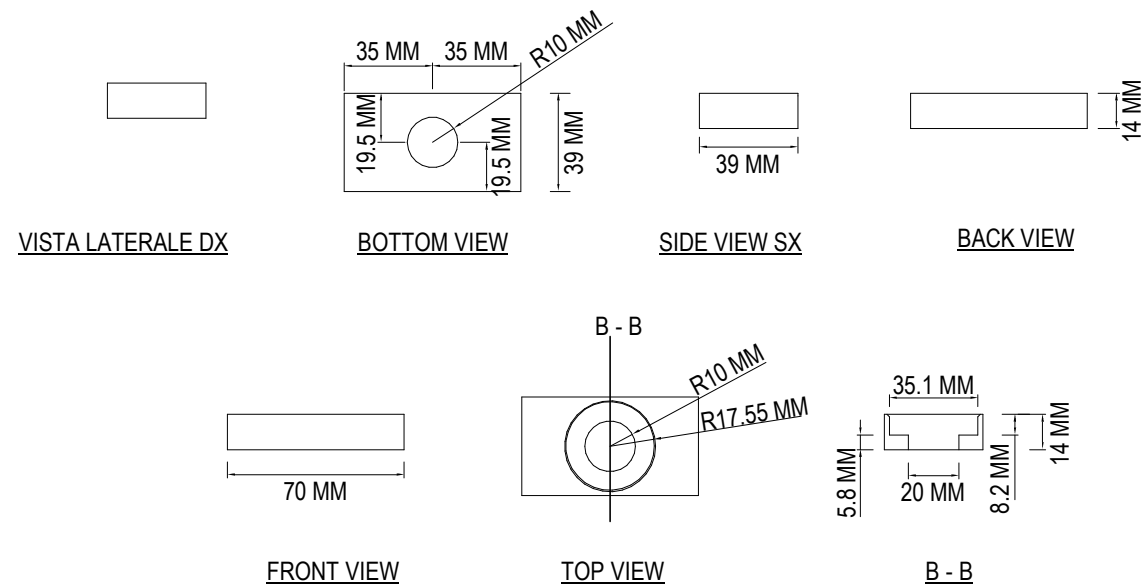
106

106 OF 110

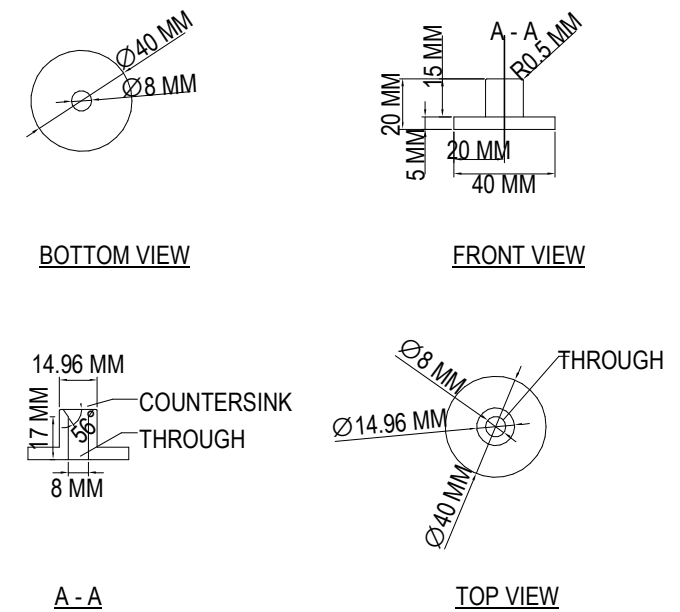
LOWER PIVOT SYSTEM (P2)



LOWER PIVOT SYSTEM-FRONT VIEW



LOWER PIVOT PLATE

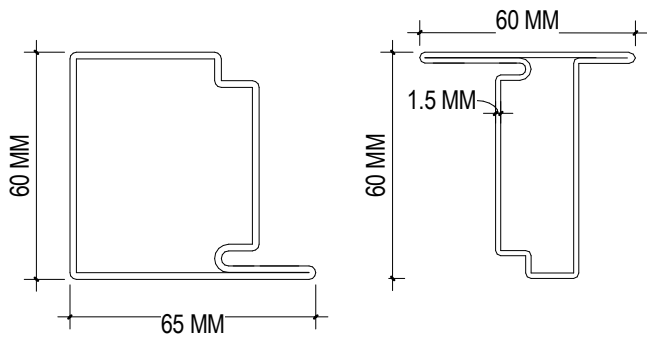


BASE FOR LOWER BEARING

HINGE DOOR- PARTS LIST

FL# 44532

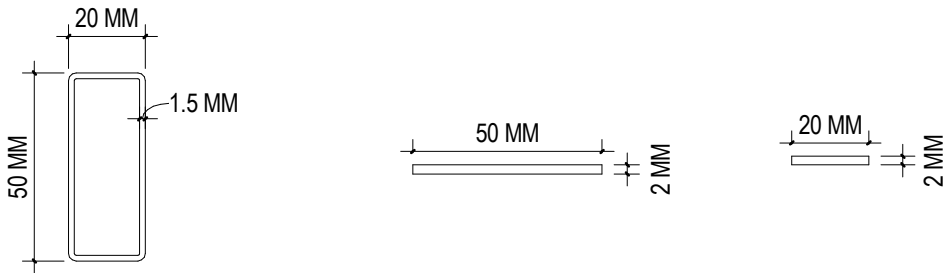
LEAF & FRAME PROFILES



F5

F6

REINFORCEMENT PROFILES



R5

R7

R8

STANDARD HINGE DOOR COMPONENTS

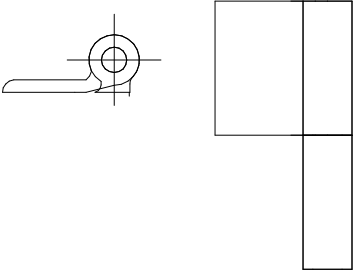
DESCRIPTION	ITEM CODE	MATERIAL	QUANTITY
LEAF & FRAME PROFILES	F5	STEEL	AS REQUIRED
	F6	STEEL	AS REQUIRED
	T5	STEEL	AS REQUIRED
	T6	STEEL	AS REQUIRED
REINFORCEMENT PROFILES	R5	STEEL	AS REQUIRED
	R7	STEEL	AS REQUIRED
	R8	STEEL	AS REQUIRED
STEEL SHEET	R9	STEEL	AS REQUIRED
GASKET	B4	EPDM	AS REQUIRED
MANUAL LOCK	D1	STEEL	AS REQUIRED
MOTORIZED LOCK	D2	STEEL	AS REQUIRED
TELESCOPIC RODS	D4	STEEL	AS REQUIRED
DOUBLE BOLTS	D5	STEEL	AS REQUIRED
DEAD BOLT	D6	STEEL	AS REQUIRED
HINGE	H1	STEEL	AS REQUIRED

GASKETS



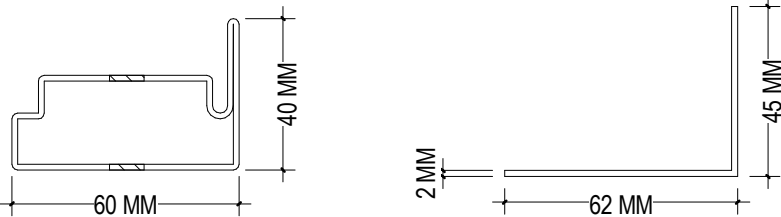
B4

HINGE



H1

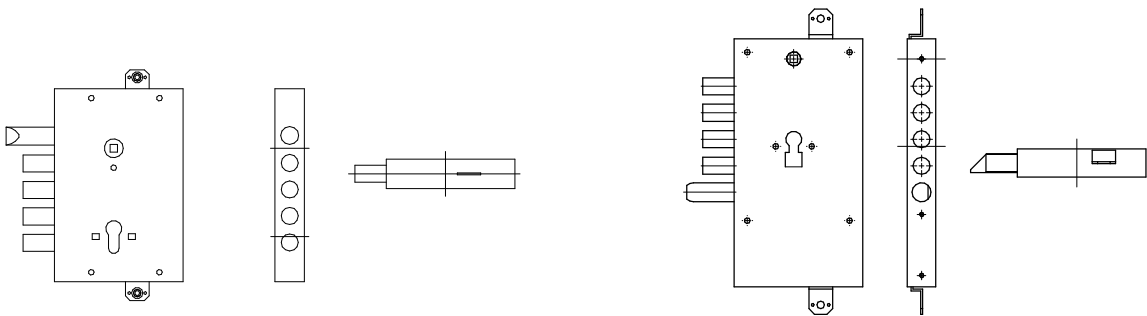
THRESHOLD PROFILES



T5

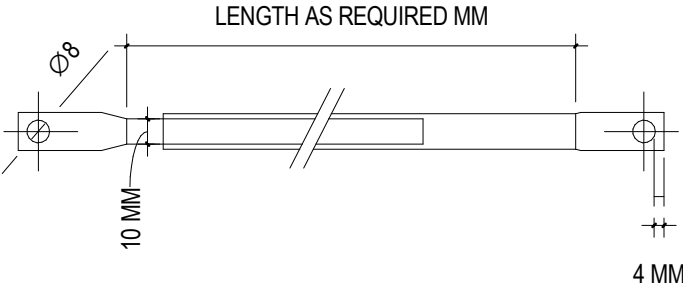
T6

LOCKING HARDWARE



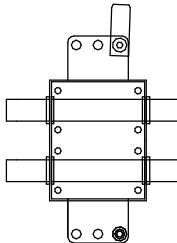
MANUAL LOCK - D1

MOTORIZED LOCK - D2

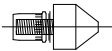


TELESCOPIC RODS - D4

- AVAILABLE LENGTHS-
- 450-750 MM
 - 750-1000 MM
 - 1100-2100 MM
 - 590-1093 MM



DOUBLE BOLT - D5



DEAD BOLT - D6



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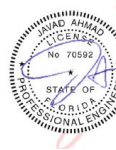
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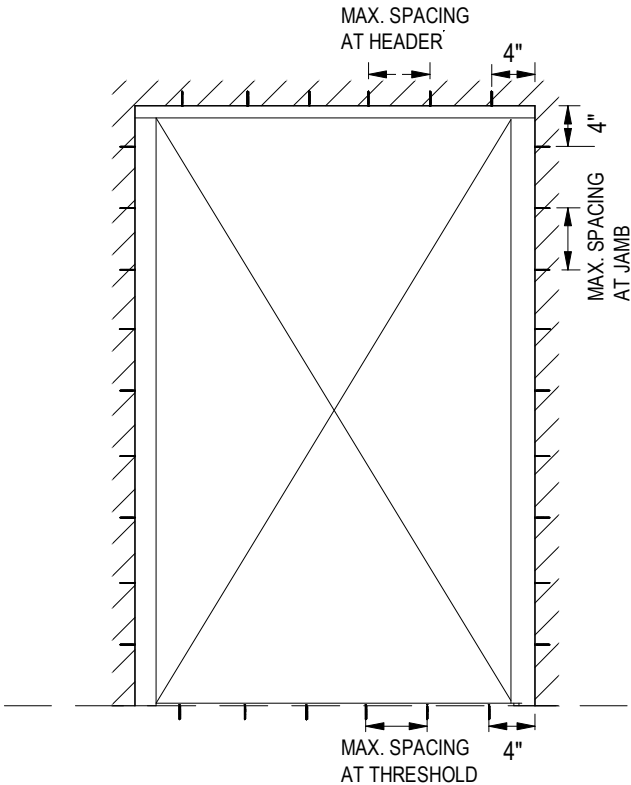


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NOTE:

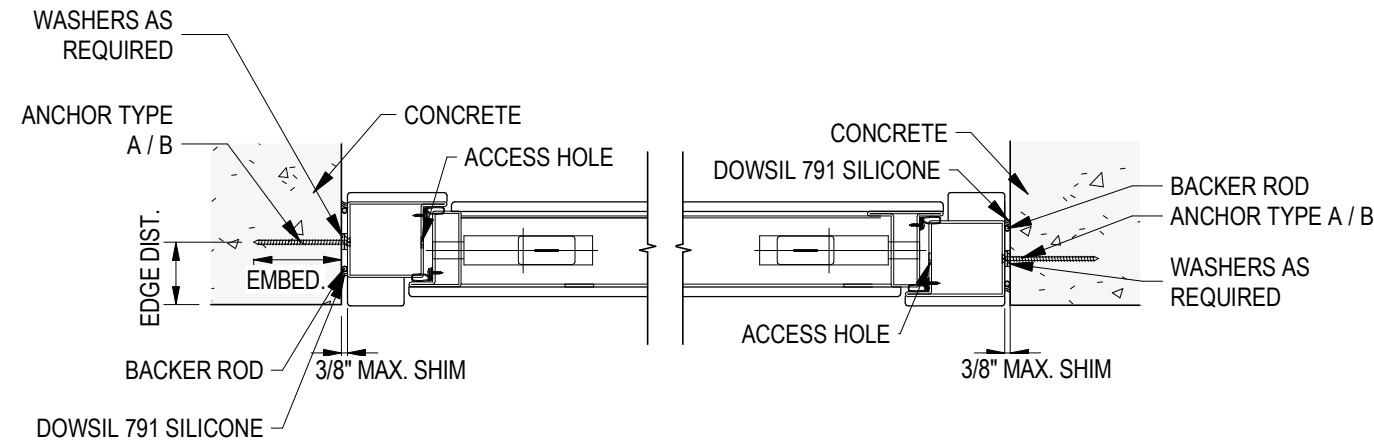
- THE CONCRETE SUBSTRATE SHALL BE MIN. 3000 PSI
- THE GFCMU SUBSTRATE SHALL BE CMU MASONRY BLOCK W/ MIN. 1500 PSI GROUT
- THE METAL SUBSTRATE SHALL BE ALUMINUM W/ MIN. 1/8" THICKNESS, AND MIN. GRADE 6063-T6, OR MIN. 1/8" THICK A36 GRADE STEEL.

ANCHOR DETAILS:

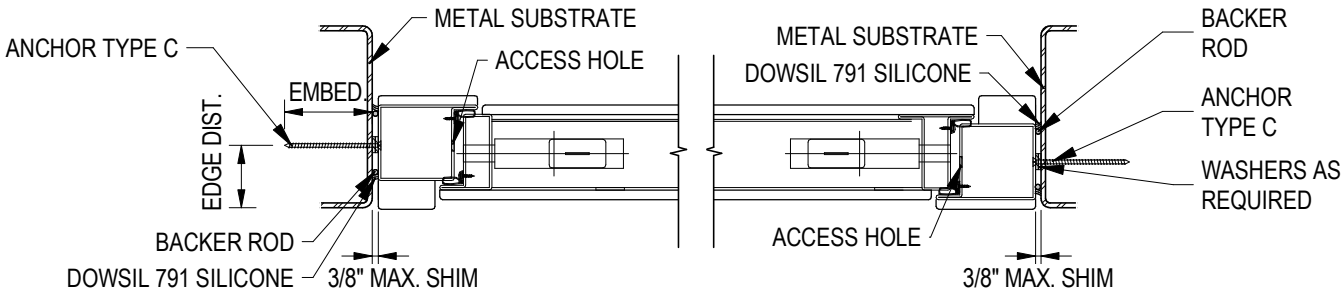
- TYPE A- 5/16" DIA. ULTRACON W/ MIN. 1-3/4" EMBED., AND 1-1/4" EDGE DIST. INTO SUBSTRATE
- TYPE B- 1/4" DIA. ULTRACON W/ MIN. 1-3/4" EMBED., AND 1" EDGE DIST. INTO SUBSTRATE
- TYPE C- 1/4" DIA. SS SCREWS (MIN. Fu=75 KSI) W/ MIN. 3 THREADS EXTENDED BEYOND SUBSTRATE, AND 1" EDGE DIST.

ANCHOR SPACING CHART FOR HEIGHTS <= 158-3/8 IN. (MAX. O.C. SPACING)						
DOOR WIDTH (IN.)	SUBSTRATE				FRAME MEMBER	REF. DETAIL
	CONCRETE		GFCMU	ALUMINUM / STEEL		
	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'		
95-3/4"	12"	12"	12"	12"	HEADER	1/110
83-3/4"	12"	12"	12"	12"		2/110
<=71-3/4"	16"	16"	16"	16"		3/110
95-3/4"	12"	-	8"	12"	JAMB	2/108 3/108 4/108
83-3/4"	12"	8"	8"	12"		
71-3/4"	16"	8"	8"	16"		
59-3/4"	16"	8"	12"	16"		
<=47-3/4"	16"	12"	12"	16"		
<=95-3/4"	16"	16"	-	-	THRESHOLD	4/110

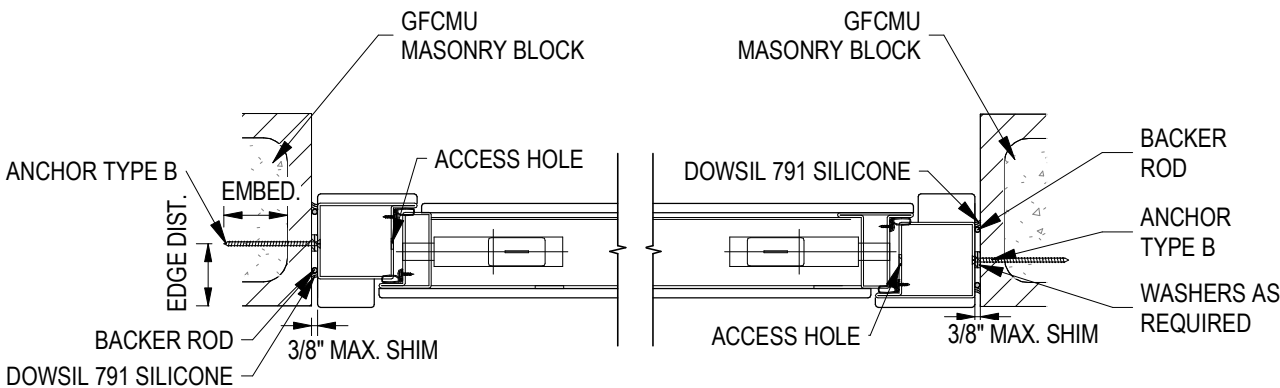
1 FRONT ELEVATION-ANCHORAGE-PIVOT DOOR
108 NOT TO SCALE



3 PIVOT DOOR JAMB ANCHORAGE INTO CONCRETE
108 NOT TO SCALE



2 PIVOT DOOR JAMB ANCHORAGE INTO METAL
108 NOT TO SCALE



4 PIVOT DOOR JAMB ANCHORAGE INTO MASONRY
108 NOT TO SCALE

SALUS SECURITY DOORS-
PIVOT AND HINGE DOORS
(LARGE AND SMALL MISSILE IMPACT RATED)

SALUS SECURE ENVIRONMENTS,
LLC.

1510 RAIL HEAD BLVD.,
NAPLES, FL 34110
(800) 854-2147

BS	SJ	REVISION	DESCRIPTION	
drawn by:	check by:		BY	DATE
JA-1545-22	11-20-23	No.		

Eng: JAVAD AHMAD
CIVIL

Javad
Ahmad
2023.11.14
11:23:42
-05'00'

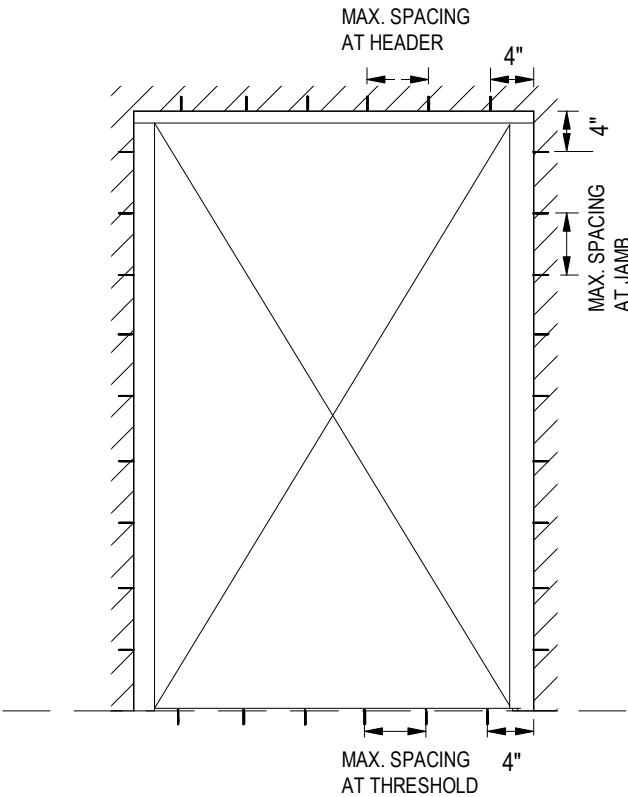


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support@ja-pe.com

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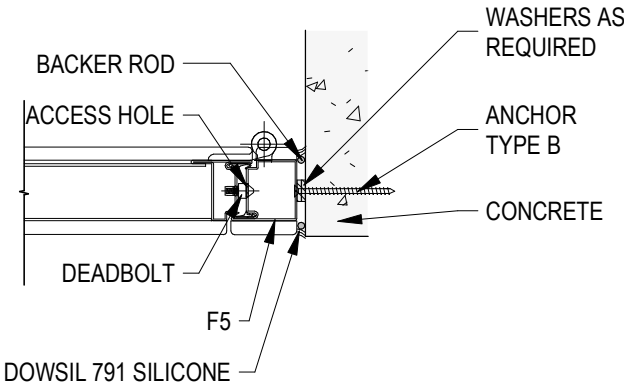
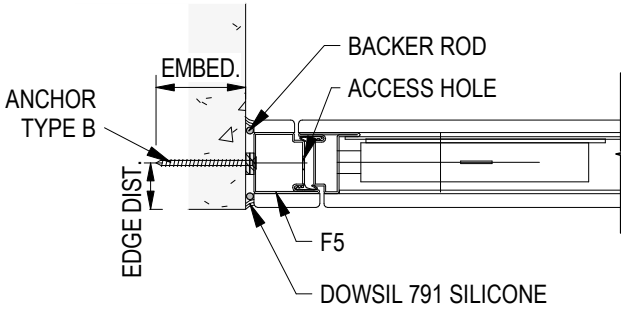
NOTE:

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ANCHOR DETAILS:

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- TYPE C- 1/4" DIA. SS SCREWS (MIN. Fu=75 KSI) W/ MIN. 3 THREADS EXTENDED BEYOND SUBSTRATE, AND MIN. 1" EDGE DIST.

DOOR WIDTH (IN.)	SUBSTRATE			FRAME MEMBER	REF. DETAIL
	CONCRETE	GFCMU	ALUMINUM / STEEL		
	ANCHOR TYPE 'B'	ANCHOR TYPE 'B'	ANCHOR TYPE 'C'		
48" <=36"	12" 16"	12" 16"	16" 16"	HEADER	5/110 6/110 7/110
48" <=36"	12" 16"	12" 16"	12" 16"	JAMB	2/109 3/109 4/109
<=48"	16"	-	-	THRESHOLD	5/110 6/110 7/110



1

FRONT ELEVATION ANCHORAGE-HINGE DOOR

NOT TO SCALE

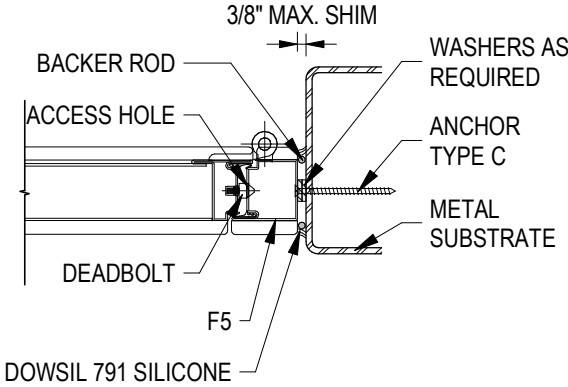
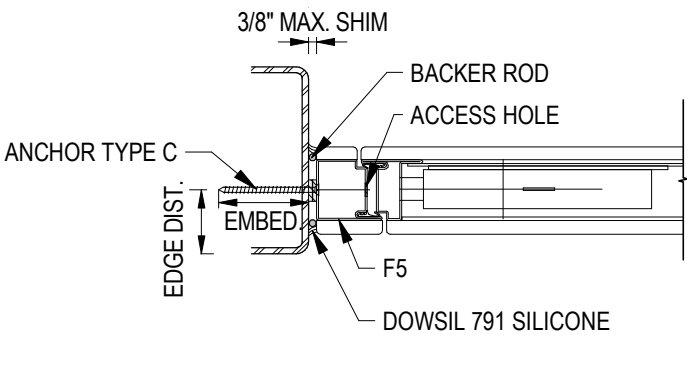
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2

HINGE DOOR JAMB ANCHORAGE INTO CONCRETE

NOT TO SCALE

109

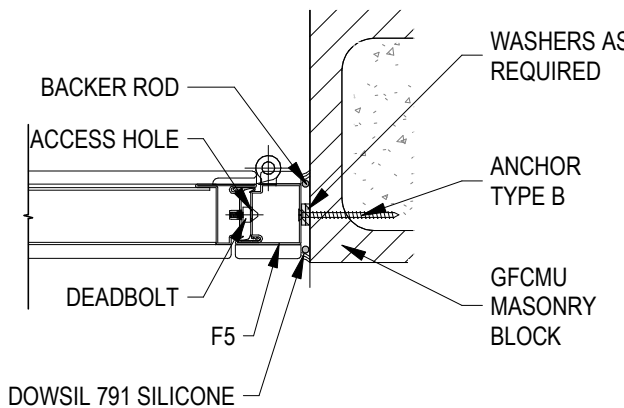
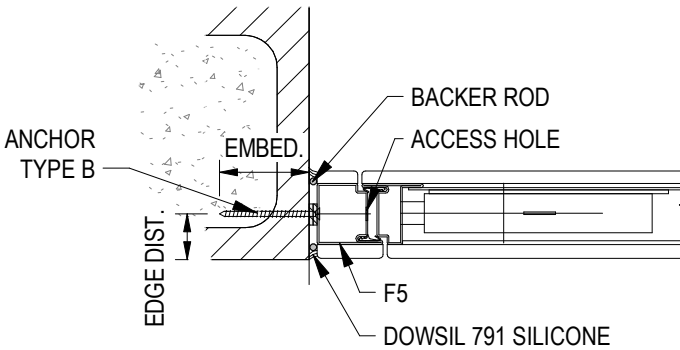


3

HINGE DOOR JAMB ANCHORAGE INTO METAL

NOT TO SCALE

109



4

HINGE DOOR JAMB ANCHORAGE INTO MASONRY

NOT TO SCALE

109

SALUS SECURITY DOORS-
PIVOT AND HINGE DOORS
(LARGE AND SMALL MISSILE IMPACT RATED)

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NAPLES, FL 34110
(800) 854-2147

drawing no.	date:	JA-1545-22	drawn by:	11-20-23	check by:	REVISION		
						No.	DATE	DESCRIPTION

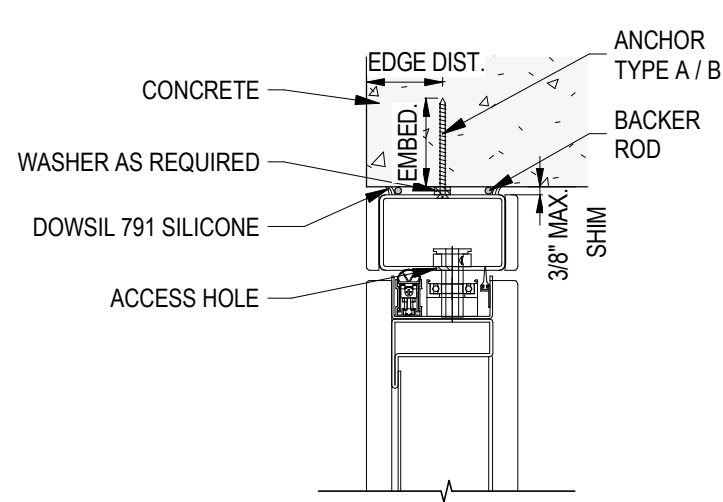
Eng: JAVAD AHMAD
CIVIL

Javad
Ahmad
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109

109 OF 110

PIVOT & HINGE DOOR- ANCHORAGE DETAILS

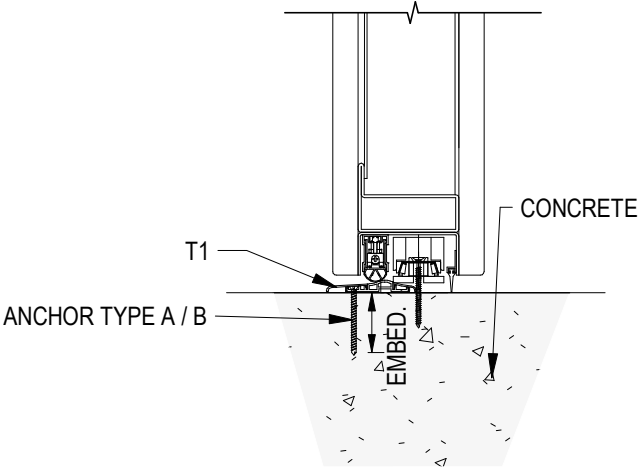
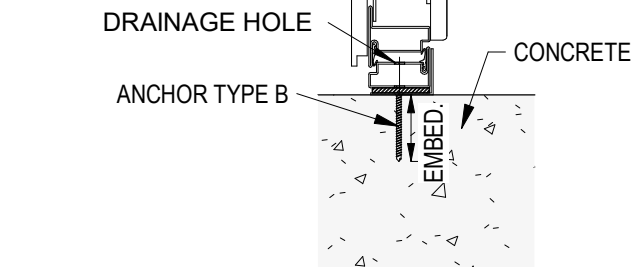
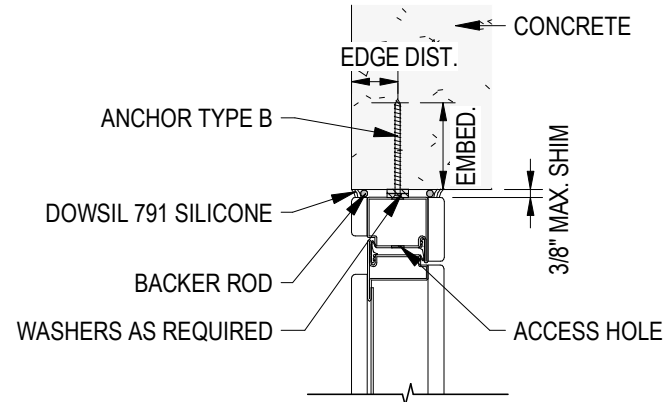


1

PIVOT DOOR HEADER ANCHORAGE
DETAIL INTO CONCRETE

NOT TO SCALE

110



PIVOT DOOR THRESHOLD
ANCHORAGE DETAIL INTO
CONCRETE

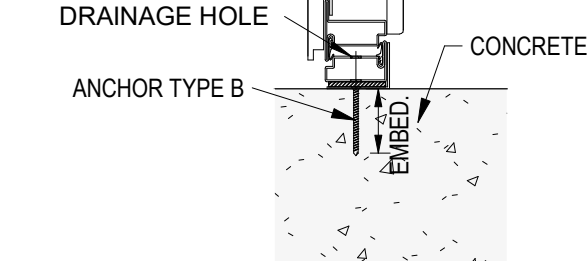
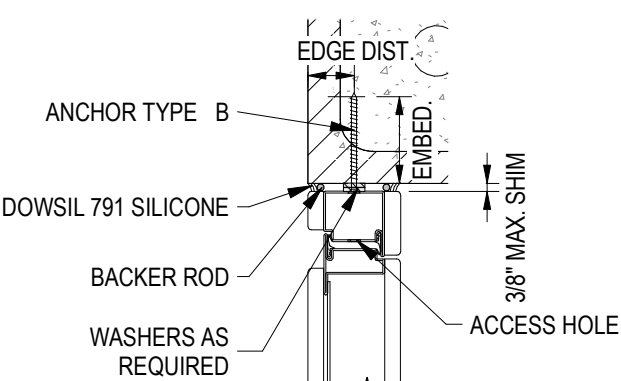
NOT TO SCALE

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PIVOT DOOR HEADER ANCHORAGE
DETAIL INTO MASONRY

NOT TO SCALE

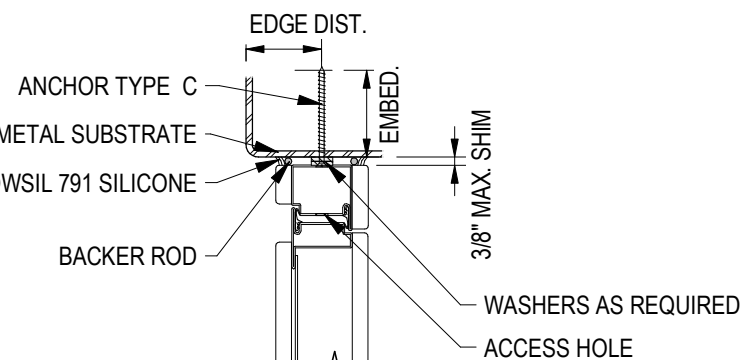
2



HINGE DOOR VERTICAL ANCHORAGE
DETAIL INTO MASONRY

NOT TO SCALE

6



HINGE DOOR VERTICAL ANCHORAGE
DETAIL INTO METAL

NOT TO SCALE

7

HINGE DOOR VERTICAL ANCHORAGE
DETAIL INTO CONCRETE

NOT TO SCALE

5

FL# 44532



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