

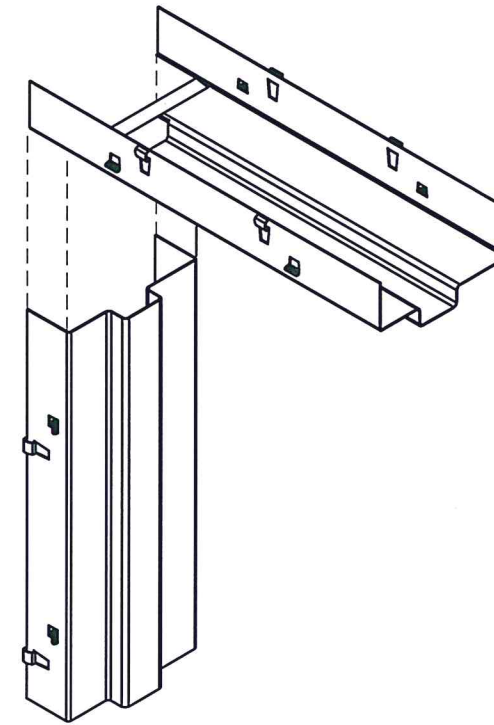


868 MURRAY ROAD, DOTHAN, AL 36303

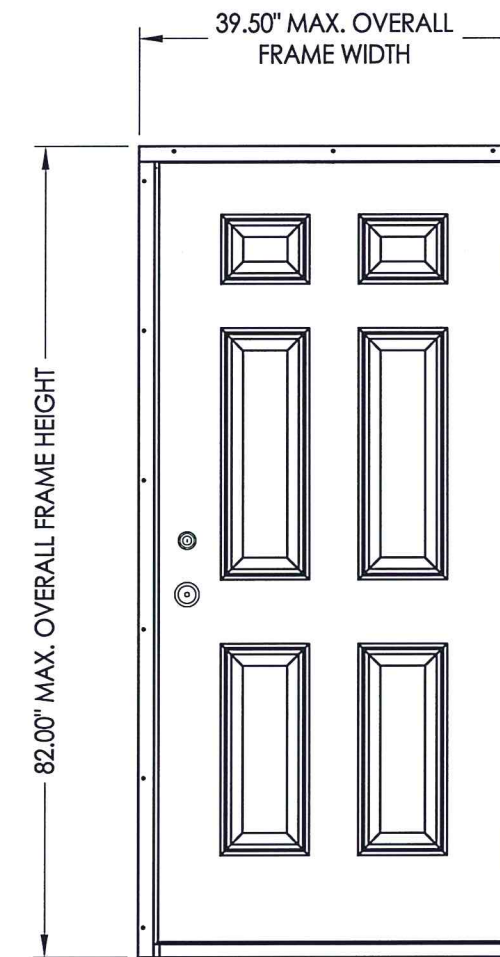
"REDIFRAME" ONE-PIECE STEEL FRAME SYSTEM UTILIZING A PLASTPRO OPAQUE FIBERGLASS DOOR PANEL "IMPACT"

GENERAL NOTES

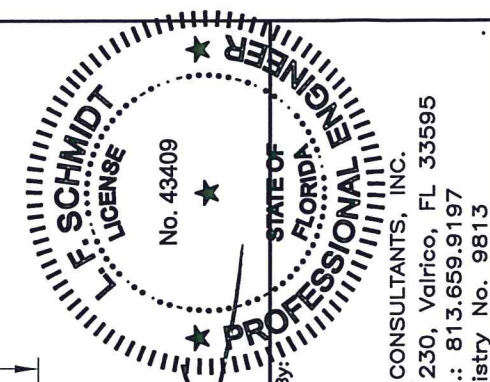
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



REDIFRAME ONE-PIECE



INSWING OR OUTSWING



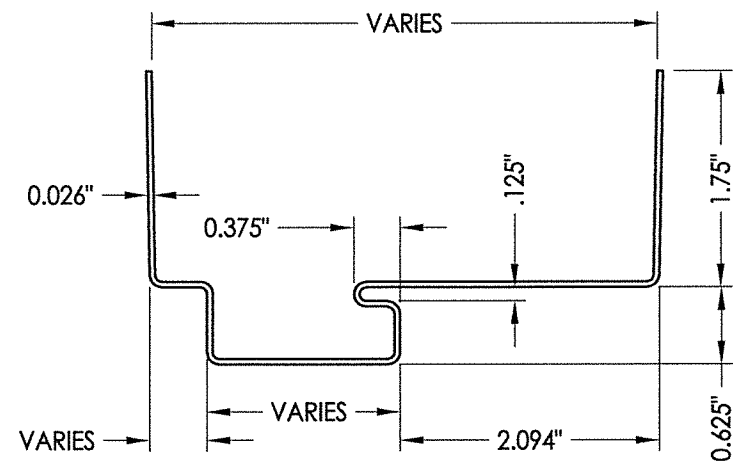
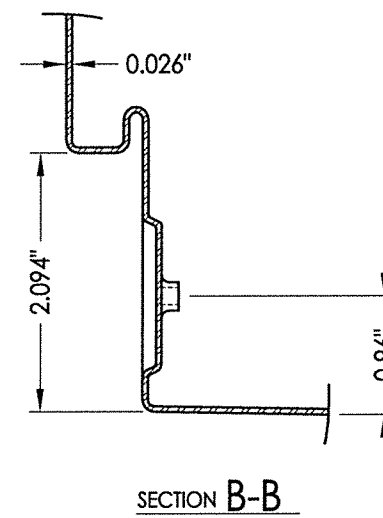
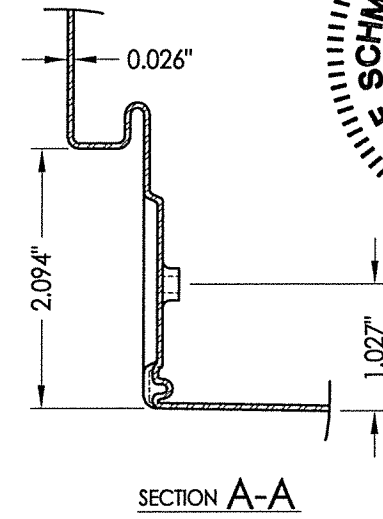
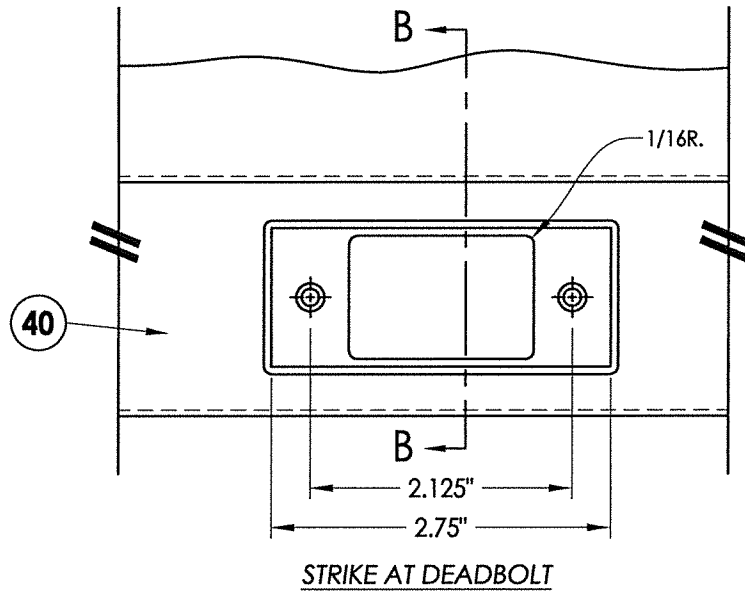
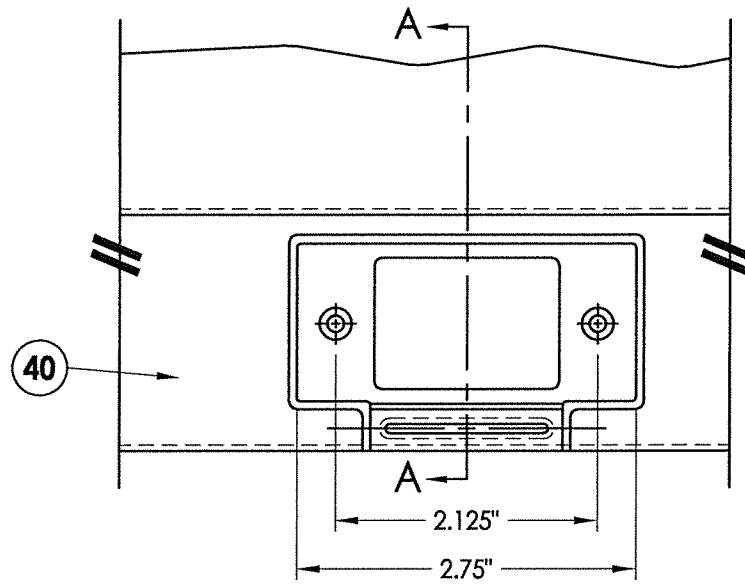
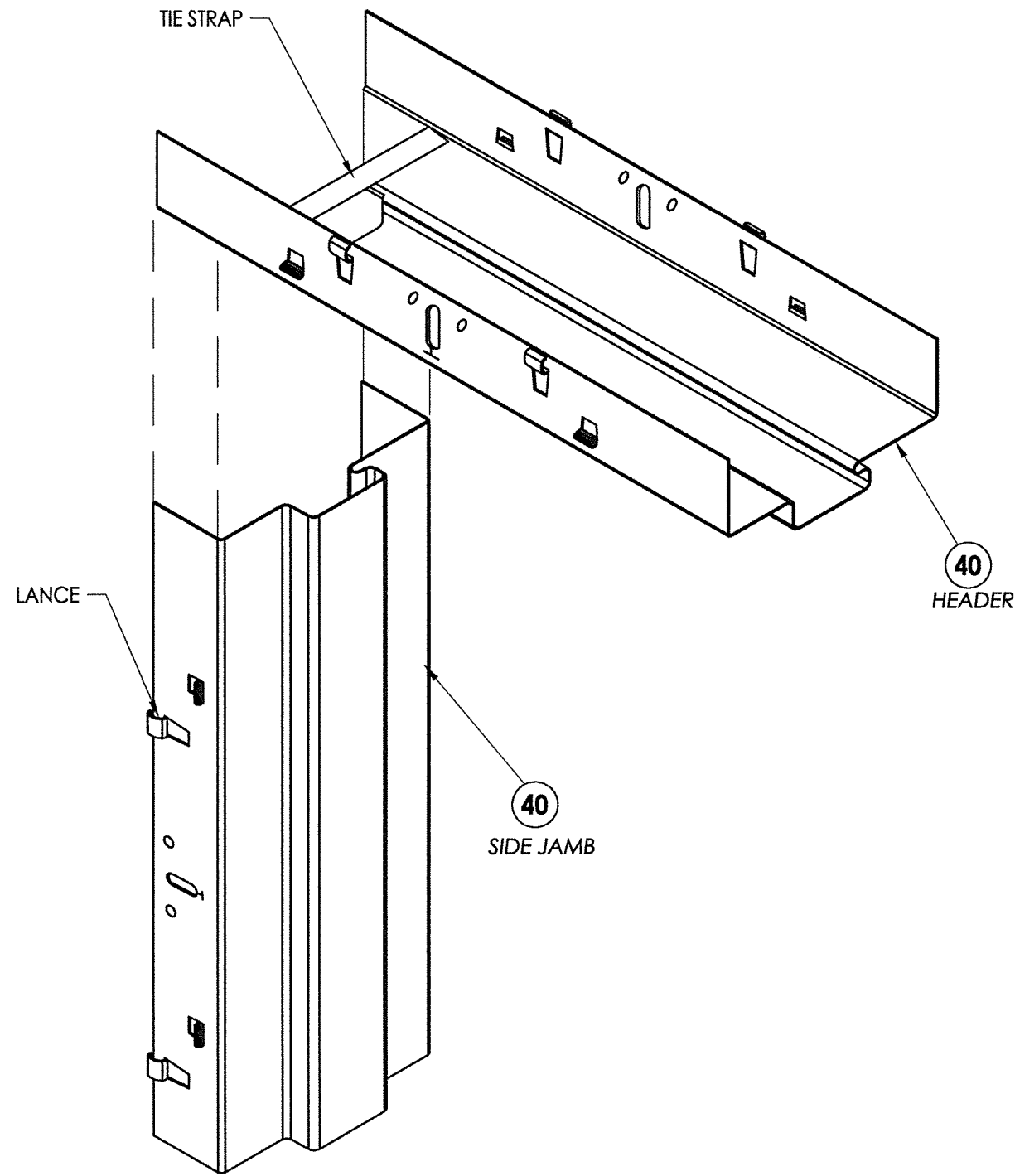
August 12, 2020
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409
 R.W.
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Steel frame cross sections & details
3	Door panel details
4	Horizontal cross sections
5	Vertical cross sections
6	Buck and frame anchoring
7	Bill of materials and components

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
39.50" X 82.00"	+ 50.0	- 50.0

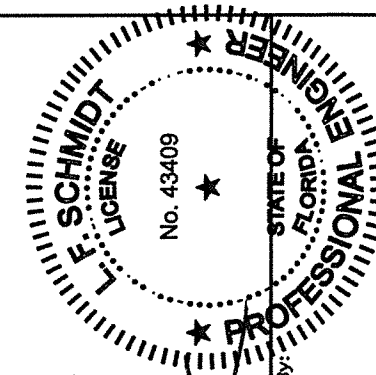
PRODUCT:	DUNBARTON REDIFRAME ONE-PIECE STEEL FRAME	
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	REVISIONS
2	8/12/20	UPDATE TO 7TH ED. (2020) FBC
1	9/29/17	UPDATE TO 6TH ED. (2017) FBC
DAC		
LFS		
BY		
DATE:	3/30/15	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-15366.5	
SHEET	1	OF 7

\\dc01\hwbc\Clients\Dunbarton_Permanent\A - Florida Product Approvals\EL-15366 - Swinging Ext Doors - Rediframe (Steel)\C - Drawings\EL-15366 (2020)\EL-15366.4-5.dwg



NOTES:

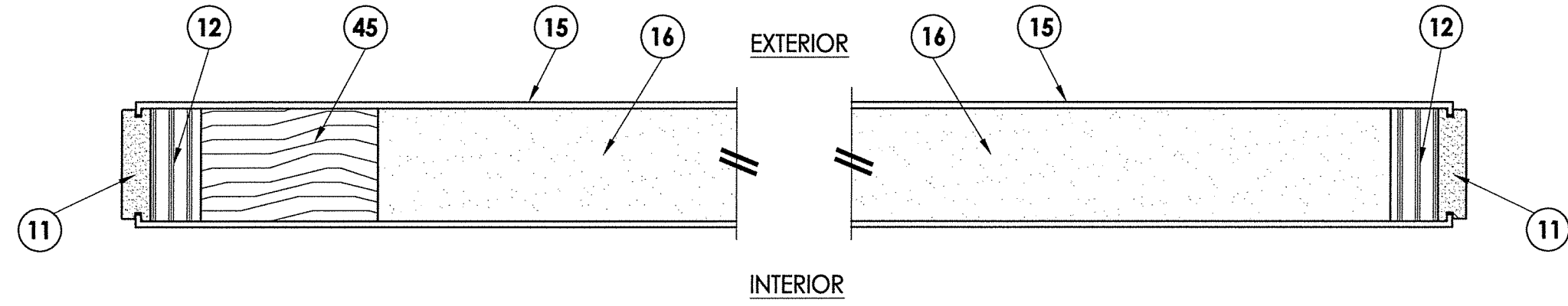
1. HEADER AND SIDE JAMB MINIMUM 22 GA. STEEL.
2. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
3. NON-KERF FRAMES DO NOT MEET AIR AND WATER CRITERIA.



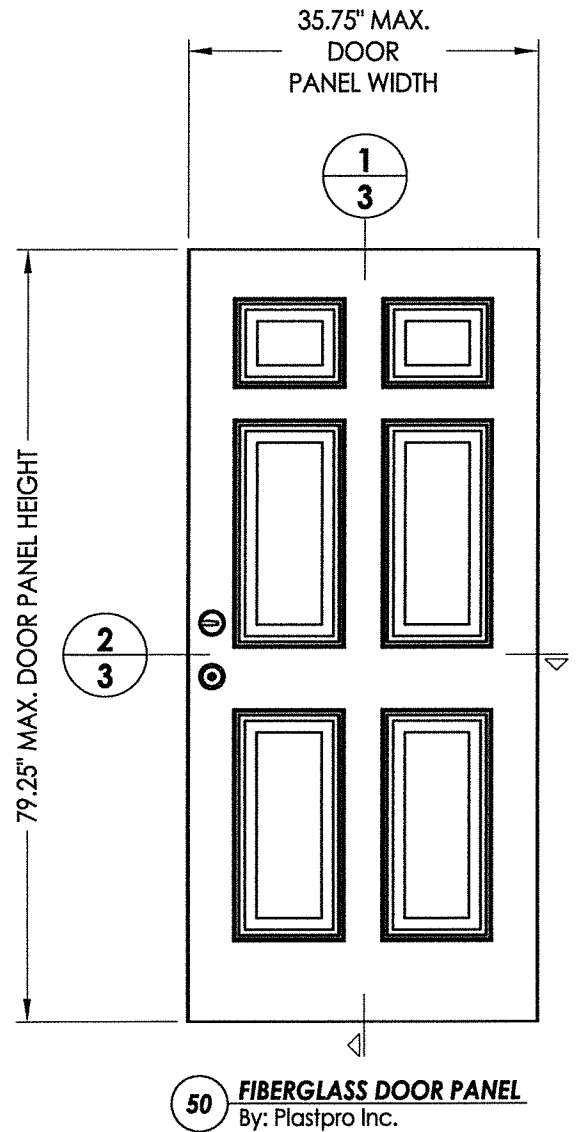
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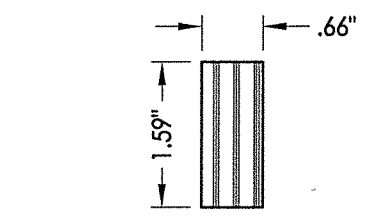
PRODUCT:		DUNBARTON REDIFRAME	
		ONE-PIECE STEEL FRAME	
PART OR ASSEMBLY:		STEEL FRAME CROSS SECTIONS & DETAILS	
NO.	DATE	BY	REVISIONS
2	8/12/20	FBC DAC	UPDATE TO 7TH ED. (2020)
1	9/29/17	FBC LFS	UPDATE TO 6TH ED. (2017)
DATE			
DATE			
DATE:		3/30/15	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15366.5	
SHEET		2 OF 7	



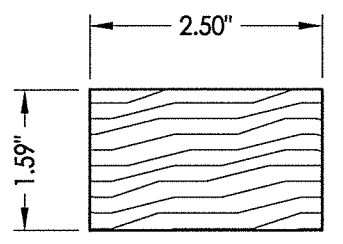
2
3 **HORIZONTAL CROSS SECTION**



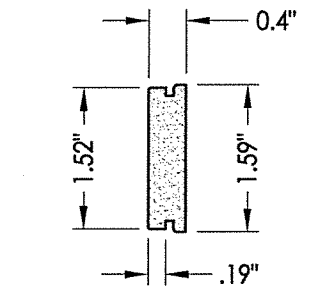
50 **FIBERGLASS DOOR PANEL**
By: Plastpro Inc.



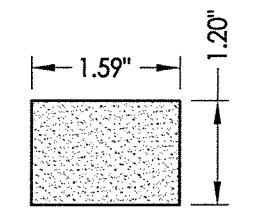
12 **LATCH & HINGE STILE**
LVL wood reinforcement



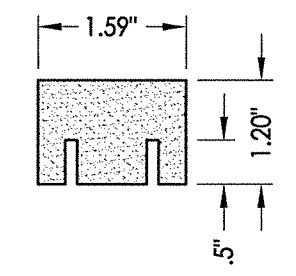
45 **REINF. WOOD**
For lock



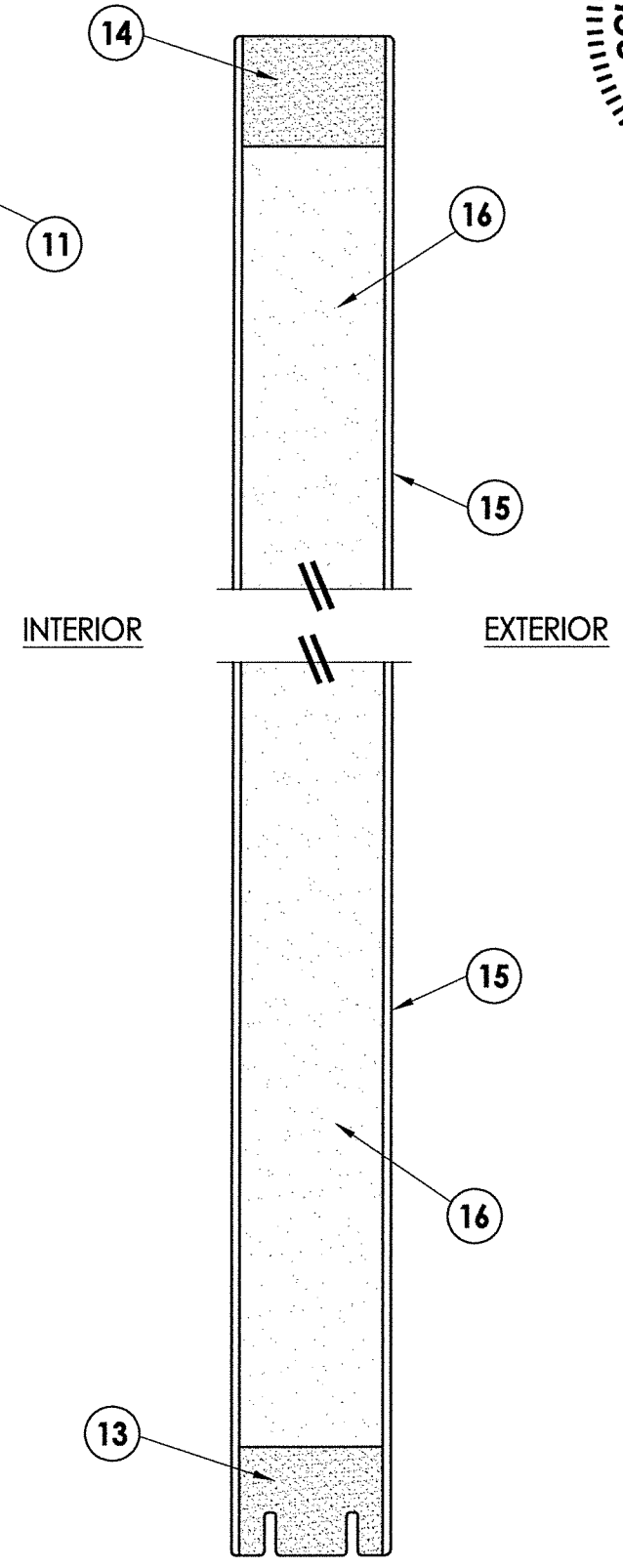
11 **LATCH / HINGE STILE**
Cellular pvc



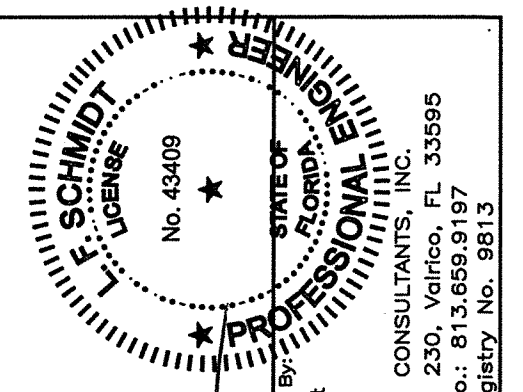
14 **DOOR TOP RAIL**
Cellular pvc



13 **DOOR BOTTOM RAIL**
Cellular pvc



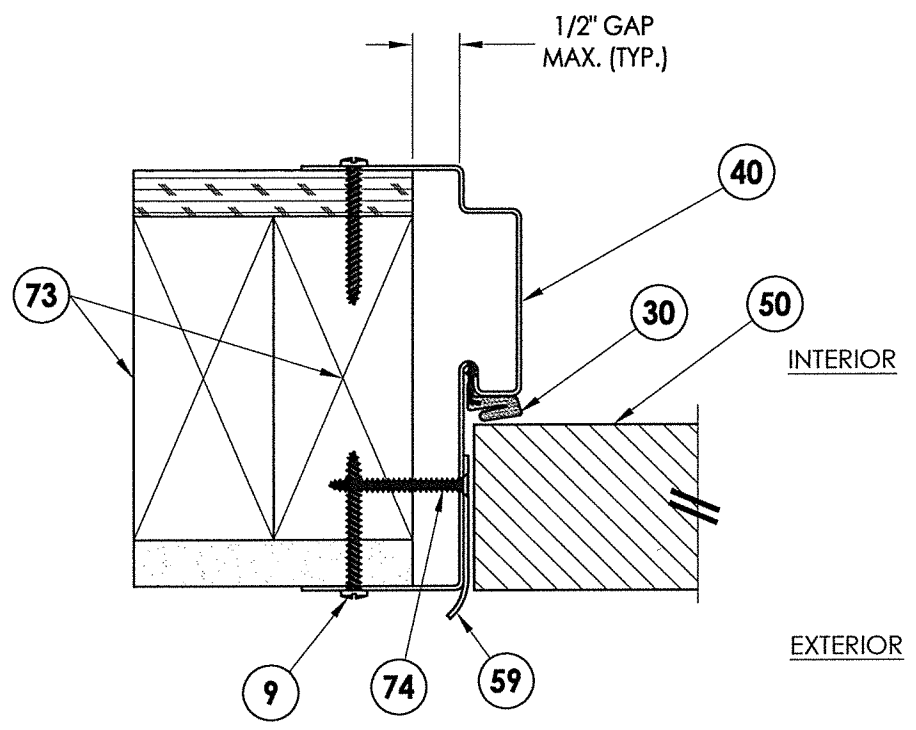
1
3 **VERTICAL CROSS SECTION**



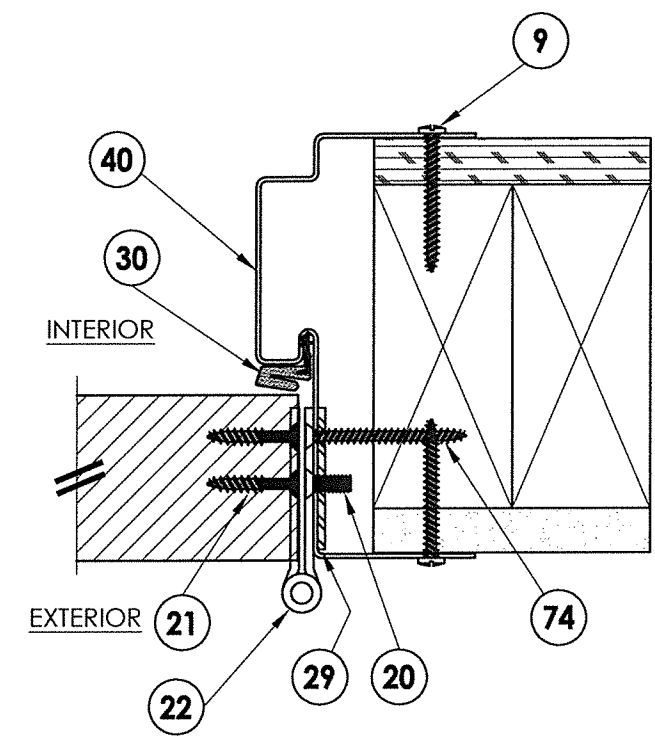
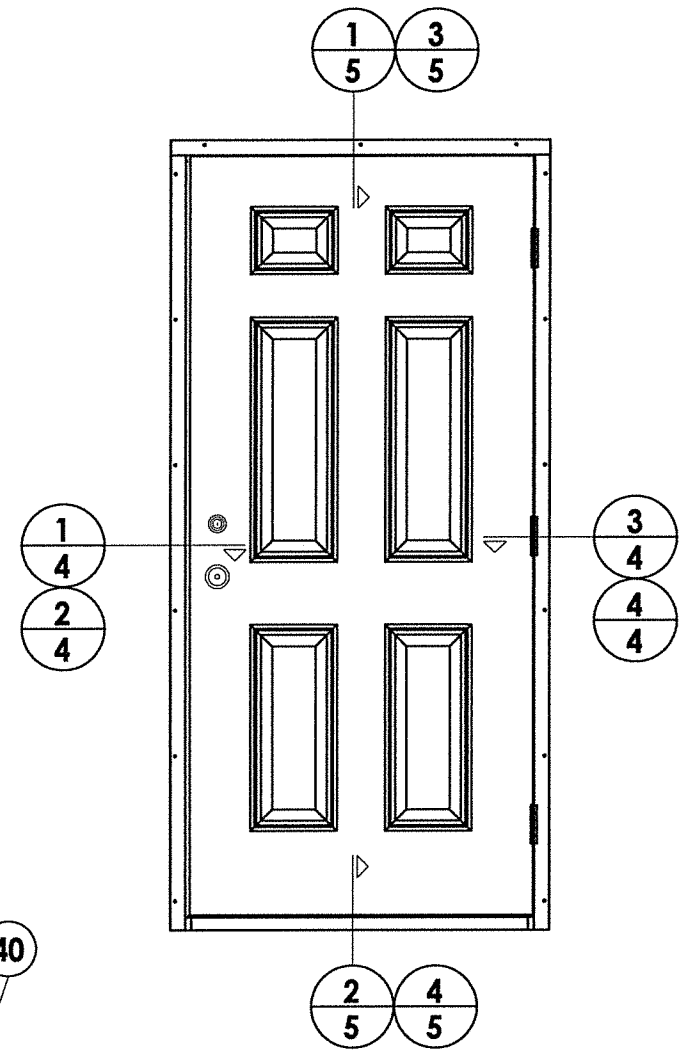
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PRODUCT:		DUNBARTON REDIFRAME	
		ONE-PIECE STEEL FRAME	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
2	8/12/20	DAC	UPDATE TO 7TH ED. (2020) FBC
1	8/12/20	DAC	UPDATE TO 7th ED. (2020) FBC
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15366.5			
SHEET 3 OF 7			

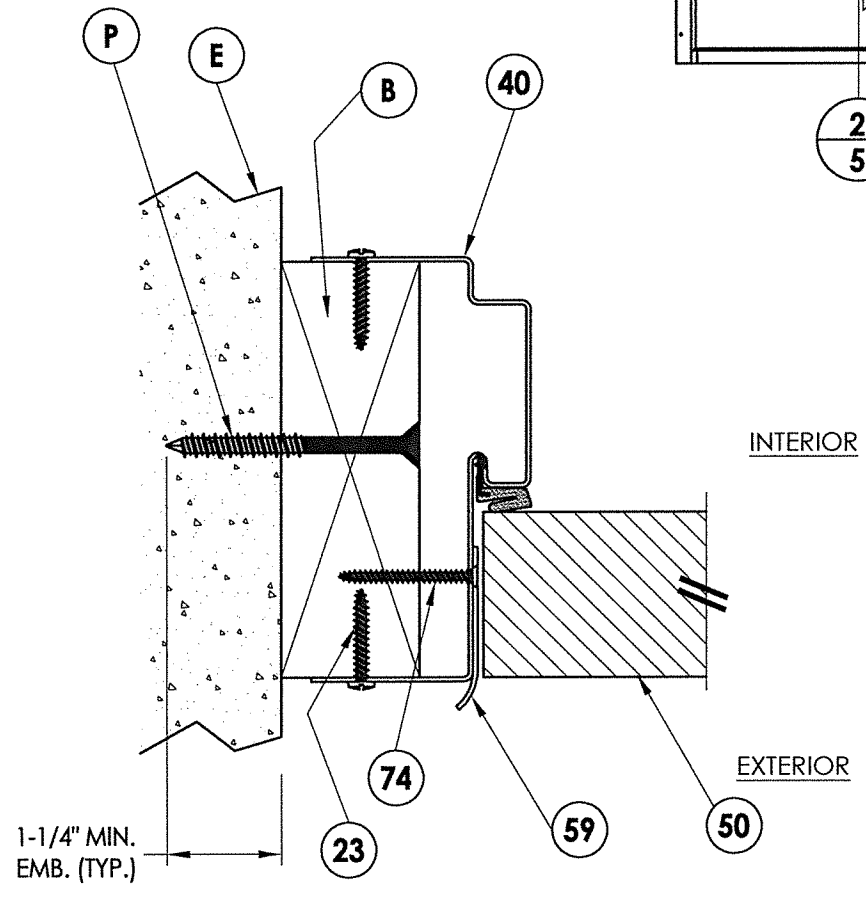
\\dc01\rbcc\clients\Dunbarton Permanent\A - Florida Product Approvals\FL-15366 - Swinging Ext Doors - Rediframe (Steel)\C - Drawings\FL-15366 (2020)\FL-15366.4-5.dwg



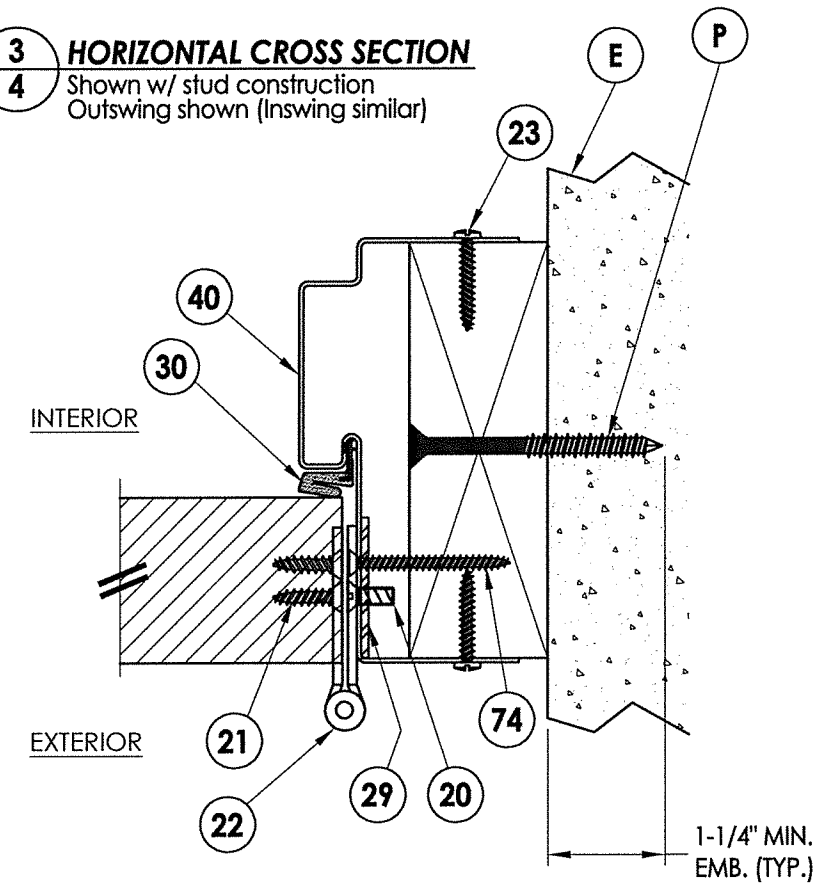
1 **HORIZONTAL CROSS SECTION**
4 Shown w/ stud construction
 Outswing shown (Inswing similar)



3 **HORIZONTAL CROSS SECTION**
4 Shown w/ stud construction
 Outswing shown (Inswing similar)



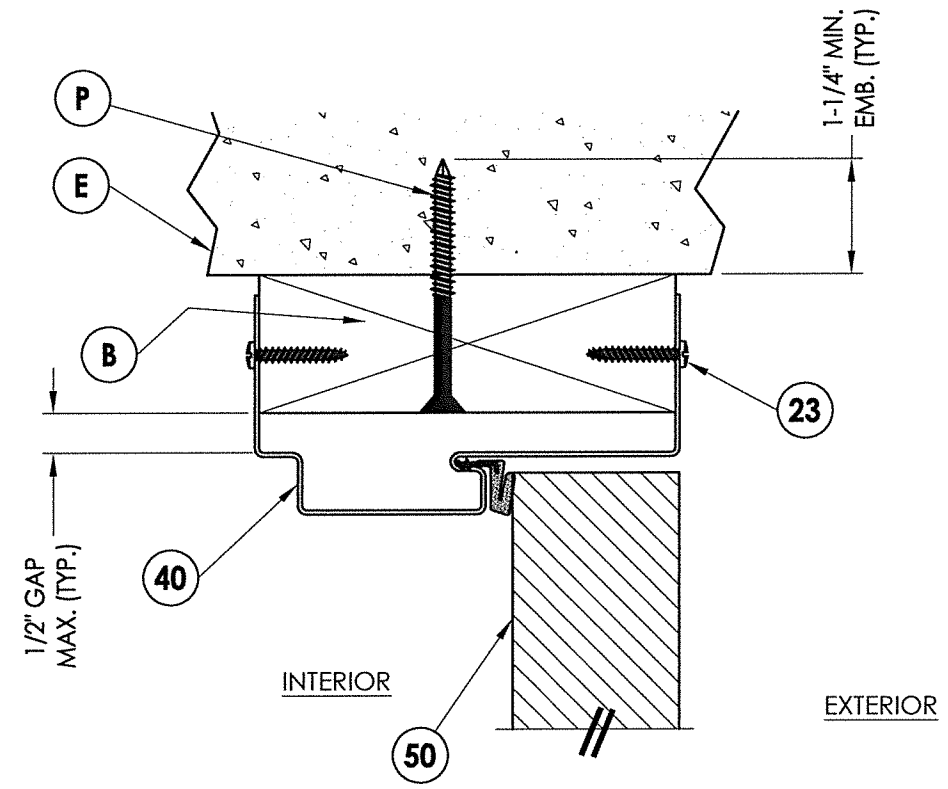
2 **HORIZONTAL CROSS SECTION**
4 2X wood buck @ latch
 Outswing shown (Inswing similar)



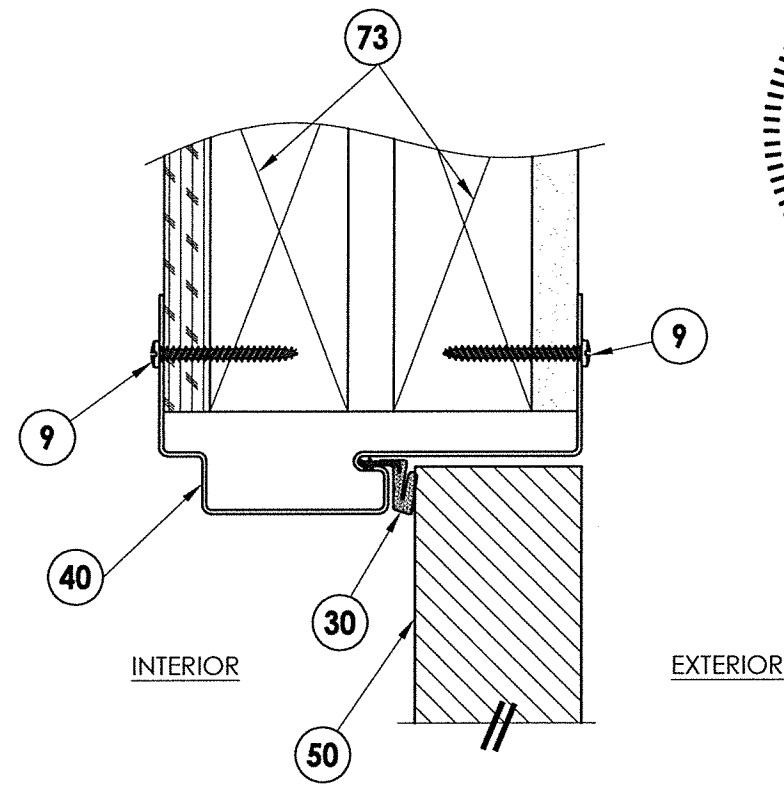
4 **HORIZONTAL CROSS SECTION**
4 2X wood buck @ hinge
 Outswing shown (Inswing similar)

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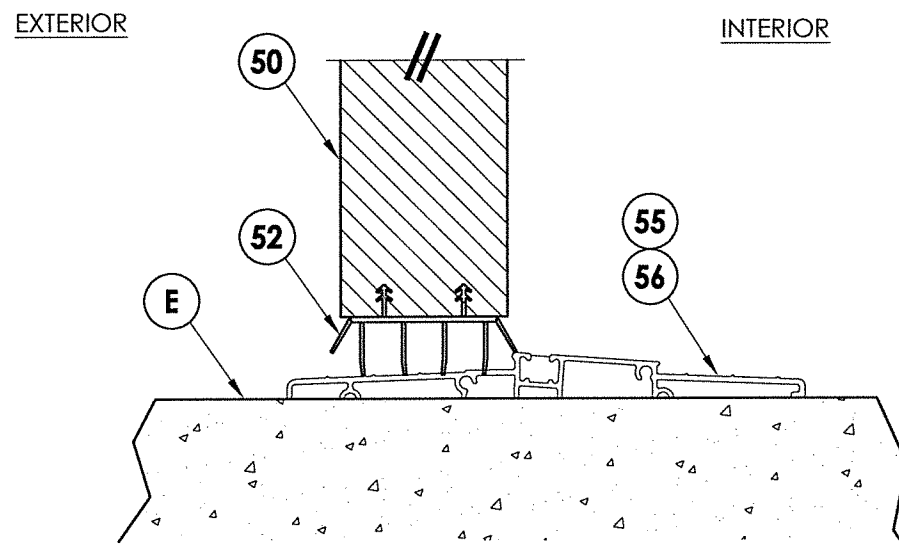
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PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	8/12/20	DAC	UPDATE TO 7TH ED. (2020)
1	9/29/17	FBC	UPDATE TO 6TH ED. (2017)
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15366.5			
SHEET 4 OF 7			



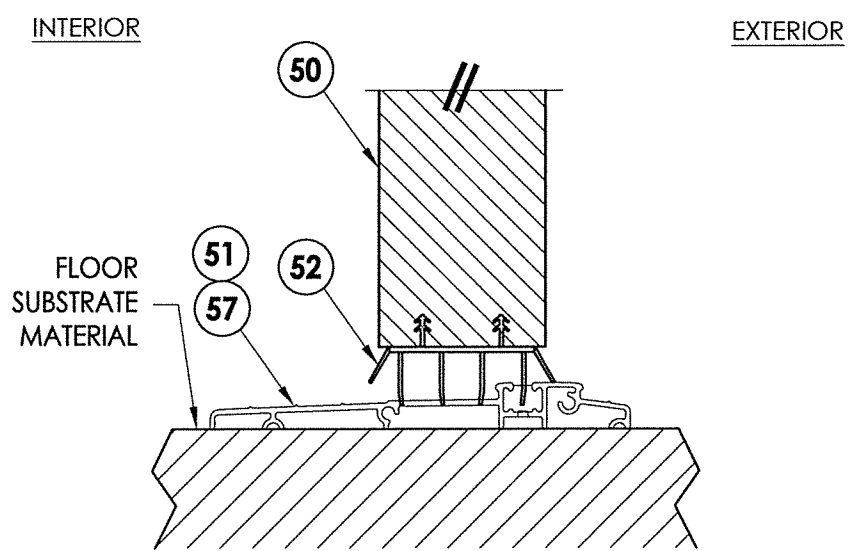
1 VERTICAL CROSS SECTION
5 Shown w/ wood buck
 Outswing shown (Inswing similar)



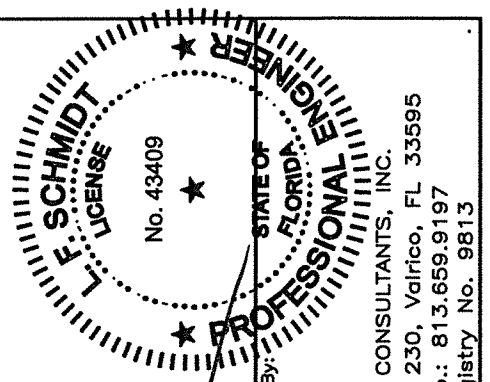
3 VERTICAL CROSS SECTION
5 Shown w/ stud construction
 Outswing shown (Inswing similar)



2 VERTICAL CROSS SECTION
5 Outswing Sill



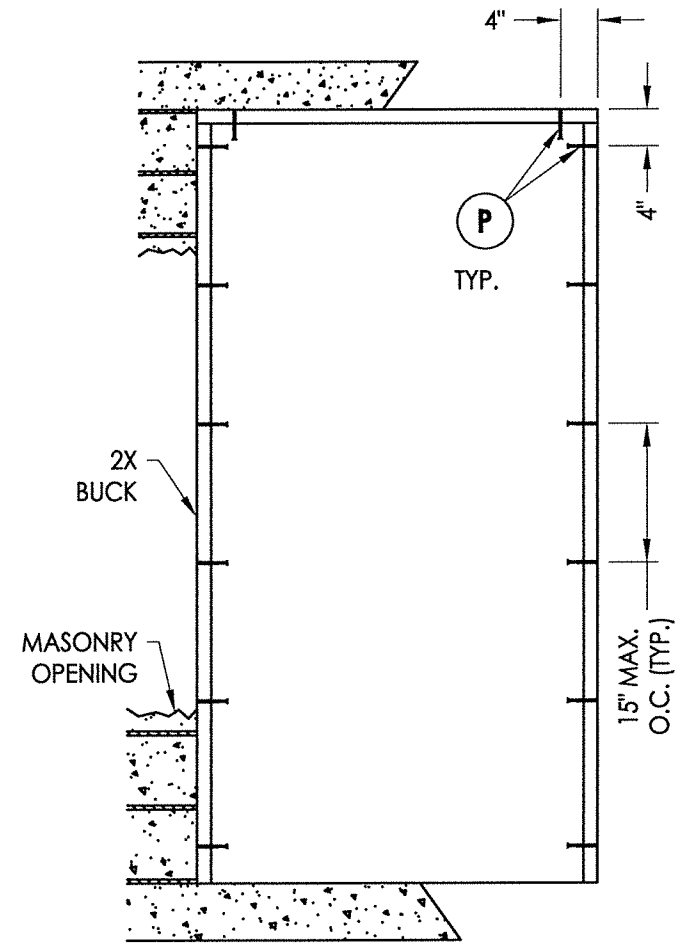
4 VERTICAL CROSS SECTION
5 Inswing Sill



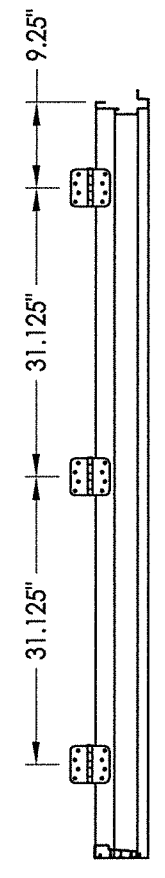
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PRODUCT:		DUNBARTON REDIFRAME	
		ONE-PIECE STEEL FRAME	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	8/12/20	DAC	UPDATE TO 7TH ED. (2020)
1	9/29/17	FBC	UPDATE TO 6TH ED. (2017)
		LFS	
		BY	
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15366.5			
SHEET 5 OF 7			

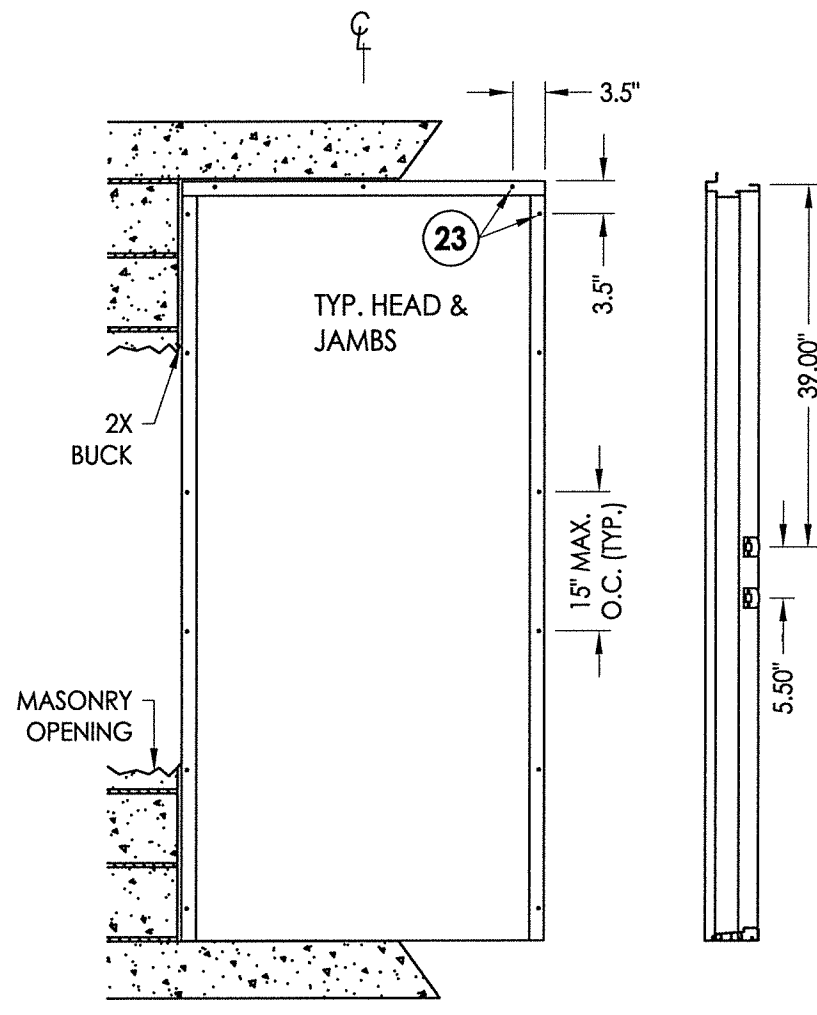
\\dc01\pwb\clients\Dunbarton Permanent\A - Florida Product Approvals\FL-15366 - Swinging Ext Doors - Rediframe (Steel)\C - Drawings\FL-15366 (2020)\FL-15366.4-.5.dwg



BUCK ANCHORING

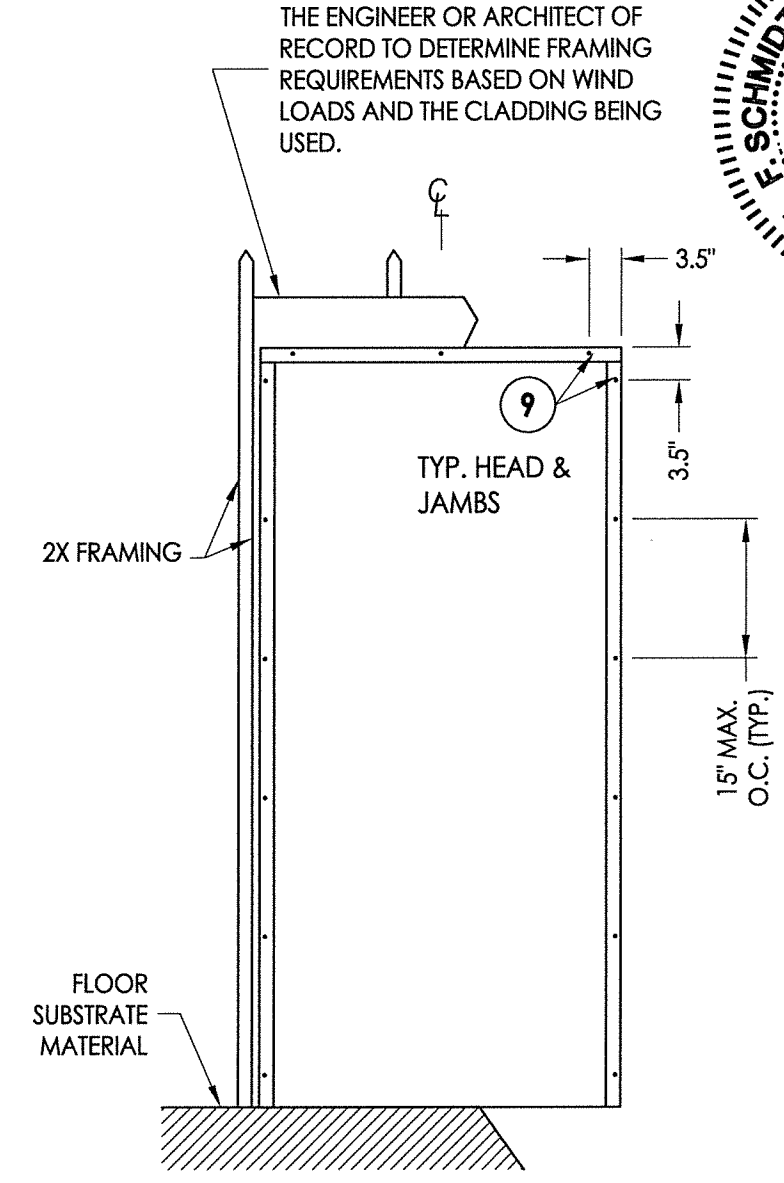


HINGE JAMB



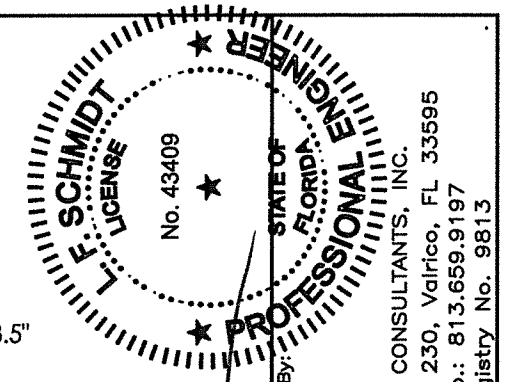
**FRAME ANCHORING
2X MASONRY**

STRIKE JAMB



**FRAME ANCHORING
STUD CONSTRUCTION**

THE ENGINEER OR ARCHITECT OF RECORD TO DETERMINE FRAMING REQUIREMENTS BASED ON WIND LOADS AND THE CLADDING BEING USED.



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 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:	DUNBARTON REDIFRAME ONE-PIECE STEEL FRAME	
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING	
NO.	DATE	BY
2	8/12/20	UPDATE TO 7TH ED. (2020) FBC DAC
1	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS

REVISIONS

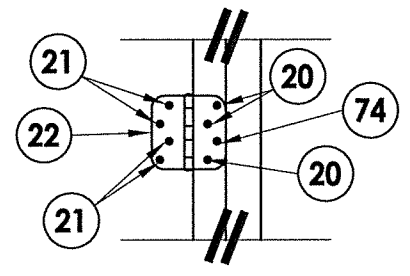
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

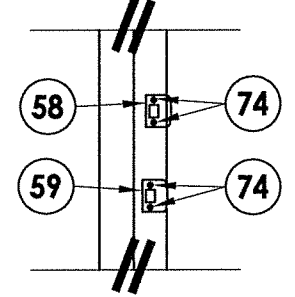
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE DETAIL



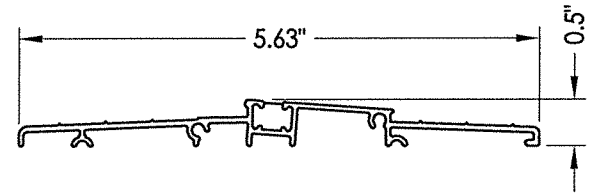
STRIKE DETAIL

DATE:	3/30/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15366.5
SHEET	6 OF 7

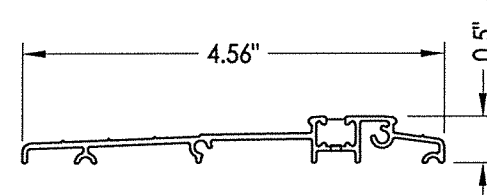
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\\dc01\rbw\clients\Dunbarton Permanent\A - Florida Product Approvals\FL-15366 - Swinging Ext Doors - Rediframe (Steel)\C - Drawings\FL-15366 (2020)\FL-15366.4-.5.dwg

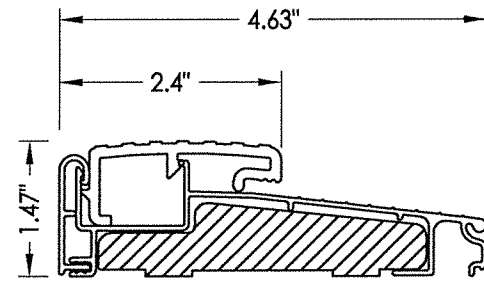
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	WOOD
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL	CONCRETE
P	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
9	#8 X 1-1/2" PPH SMS (7/8" MIN. EMBEDMENT)	STEEL
11	HINGE & LATCH STILE	CELLULAR PVC
12	CONTINUOUS LATCH AND HINGE STILE REINFORCEMENT	LVL
13	BOTTOM RAIL	CELLULAR PVC
14	TOP RAIL	CELLULAR PVC
15	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
16	POLYURETHANE FOAM	POLYURETHANE
20	10-24 X 1/2" FLAT HEAD SCREW	STEEL
21	#9 X 1" PFH WOOD SCREW	STEEL
22	HINGE 4" X 4"	STEEL
23	#8 X 1" PH SMS (7/8" MIN. EMBEDMENT)	STEEL
29	JAMB HINGE REIN. 14 GA. 4" x 4" x 1.53" (.075" GALV. STEEL) BY DUNBARTON FR00505	STEEL
30	COMPRESSION WEATHERSTRIPPING QLON QDS 650 BY SCHLEGEL	FOAM
40	REDIFRAME JAMB 22 GA. MIN. .026" GALV. STEEL BY DUNBARTON	STEEL
45	REINFORCEMENT WOOD FOR LOCKS	WOOD
50	FIBERGLASS DOOR PANEL: BY PLASTPRO INC.	-
51	INSWING HIGH DAM THRESHOLD BY ENDURA ZAI4566	ALUMINUM
52	DOOR BOTTOM SWEEP	VINYL
55	OUTSWING BUMP THRESHOLD 4.563" x 1.446" BY ENDURA ZFOB4566F	ALUMINUM
56	OUTSWING ADA THRESHOLD BY ENDURA ZHCO5622	ALUMINUM
57	INSWING ADA THRESHOLD BY ENDURA ZHCI4562	ALUMINUM
58	STRIKE PLATE - DEADBOLT	STEEL
59	STRIKE PLATE - LATCHBOLT	STEEL
60	KWIKSET SERIES (660) DEADBOLT	STEEL
61	KWIKSET SERIES PASSAGE LOCK	STEEL
73	2X FRAMING (SG >= 0.42)	WOOD
74	#8 x 1-3/4" PFH SMS	STEEL



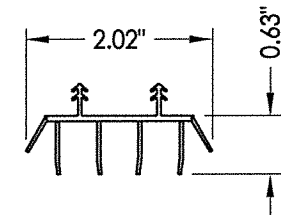
56 OUTSWING THRESHOLD



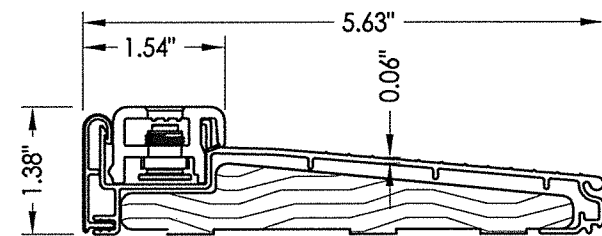
57 INSWING THRESHOLD



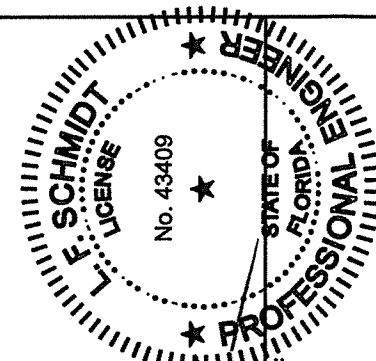
55 OUTSWING THRESHOLD



52 SWEEP



51 INSWING THRESHOLD



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PRODUCT: DUNBARTON REDIFRAME ONE-PIECE STEEL FRAME		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
NO.	DATE	BY	REVISIONS
2	8/12/20	DAC	UPDATE TO 7th ED. (2020) FBC
1	9/29/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15366.5			
SHEET 7 OF 7			