



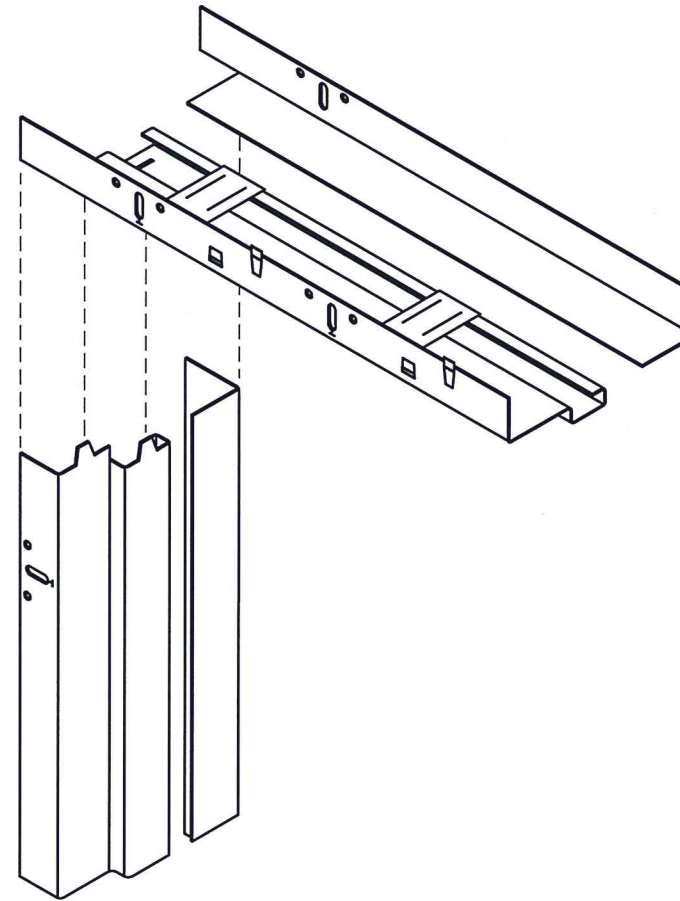
868 MURRAY ROAD, DOTHAN, AL 36303

"REDIFLEX" TWO-PIECE STEEL FRAME SYSTEM UTILIZING A THERMA-TRU OPAQUE FIBERGLASS DOOR PANEL "IMPACT"

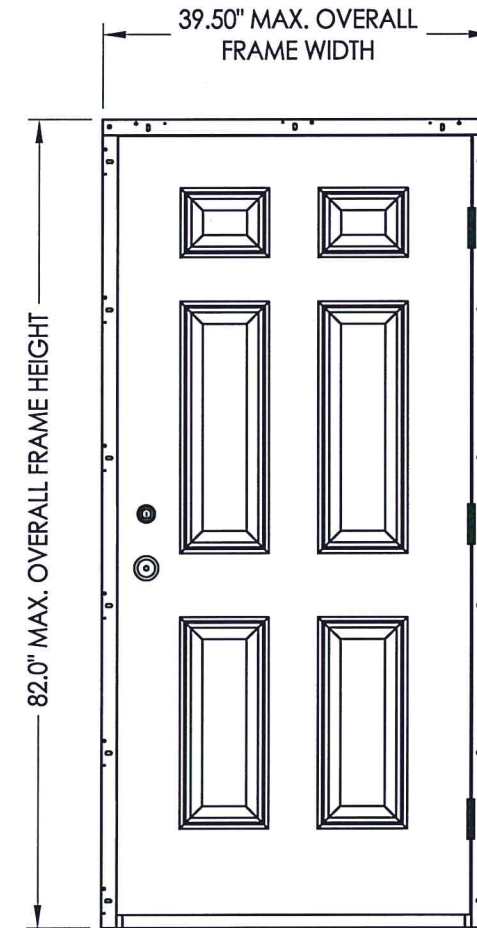
GENERAL NOTES

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 & R301.2.1.2.1.1.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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

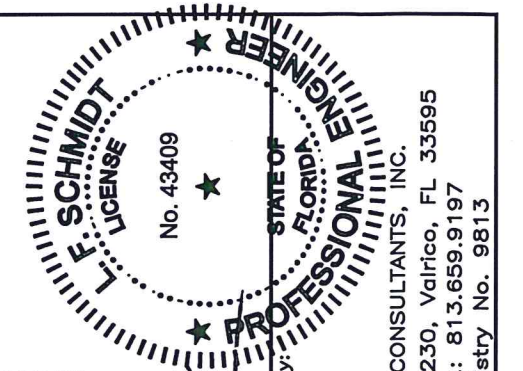


REDIFLEX TWO-PIECE



INSWING OR OUTSWING

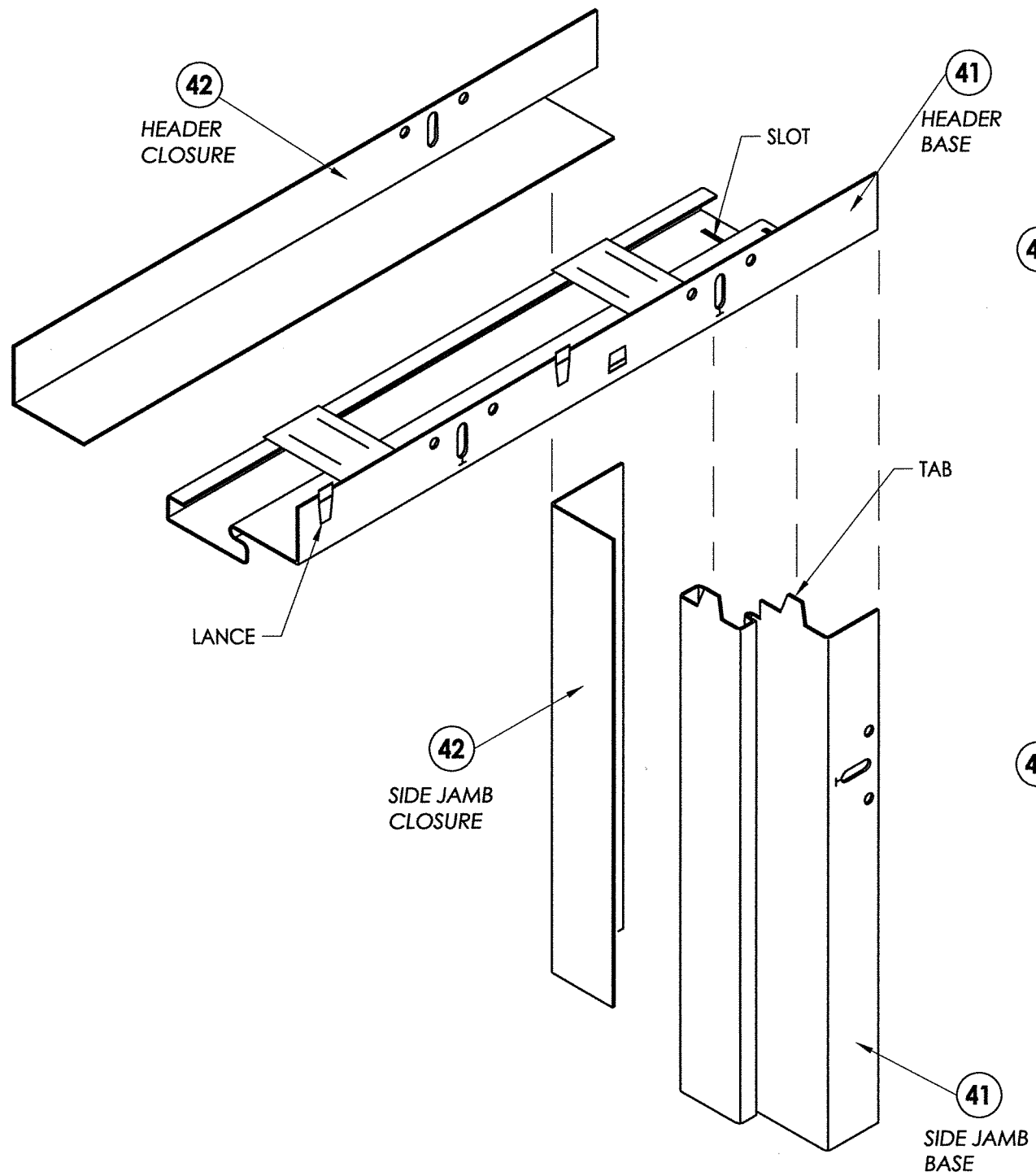
OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
39.50" X 82.0"	+ 66.0	- 66.0



August 11, 2020
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 FBPE Registry No. 9813

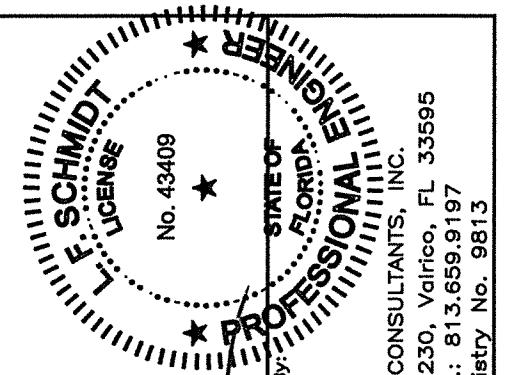
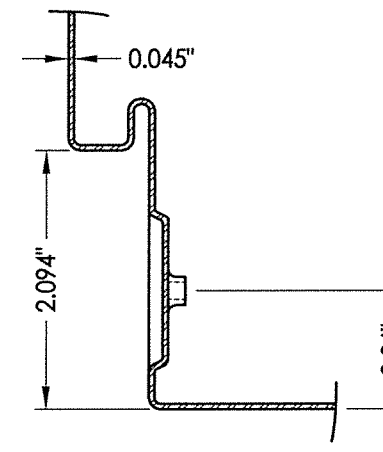
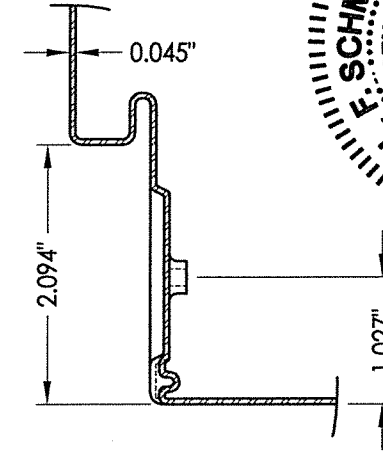
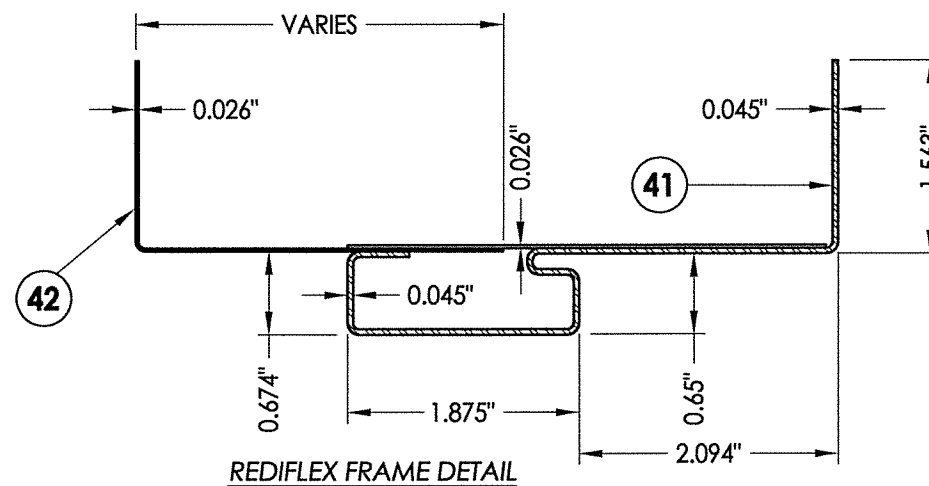
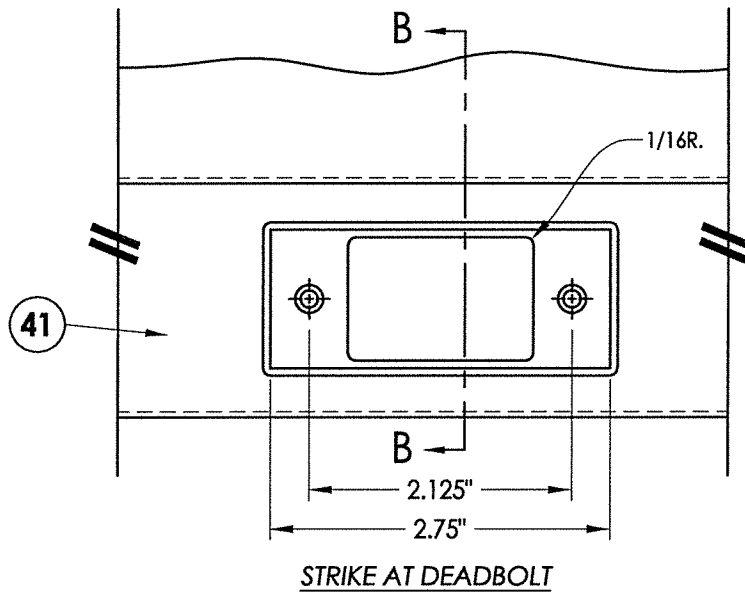
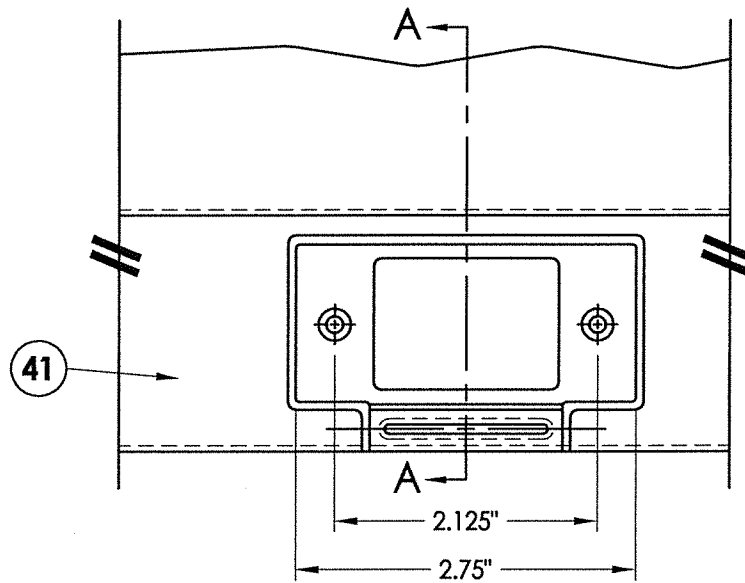
PRODUCT:	DUNBARTON REDIFLEX TWO-PIECE STEEL FRAME
PART OR ASSEMBLY:	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
DATE:	3/30/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15341.9
SHEET	1 OF 7

\\dc01\wbc\Clients\Dunbarton PermanentA - Florida Product Approvals\FL-15341 - Exterior Door Components - Rediflex Steel Frames\C - Drawings\FL-15341 (2020)\FL-15341.9-10.dwg



NOTES:

1. HEADER AND SIDE BASE JAMB (41) MINIMUM 20 GA. GALV. STEEL.
2. HEADER AND SIDE CLOSURE JAMB (42) MINIMUM 22 GA. GALV. STEEL.
3. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
4. NON-KERF FRAME DO NOT MEET AIR AND WATER CRITERIA.



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PRODUCT:
DUNBARTON REDIFLEX
TWO-PIECE STEEL FRAME
PART OR ASSEMBLY:
STEEL FRAME CROSS SECTIONS
& DETAILS

NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7TH ED. (2020) FBC
1	9/30/17	LFS	UPDATE TO 6TH ED. (2017) FBC

DATE: 3/30/15

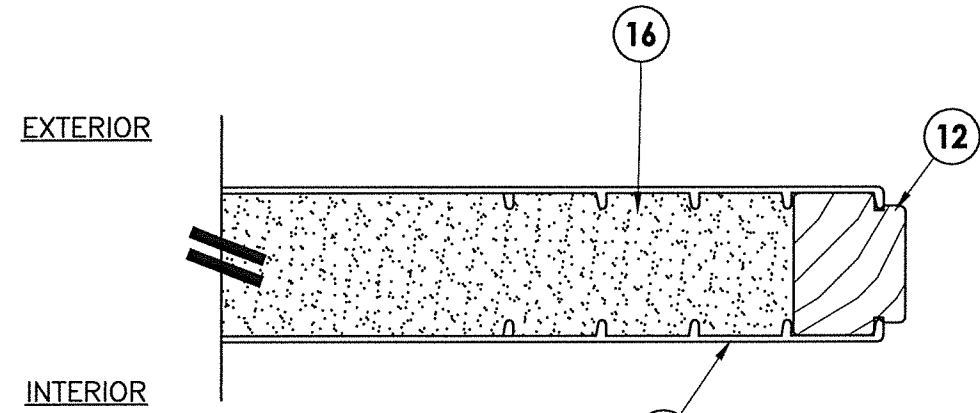
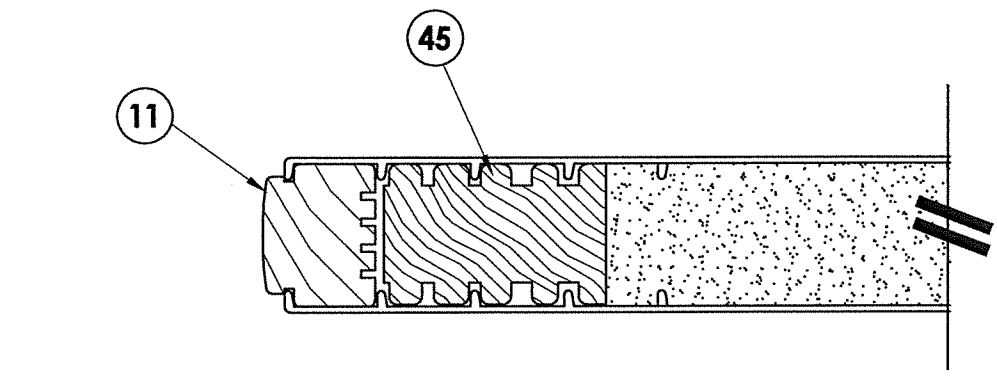
SCALE: N.T.S.

DWG. BY: JK

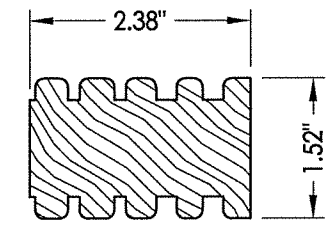
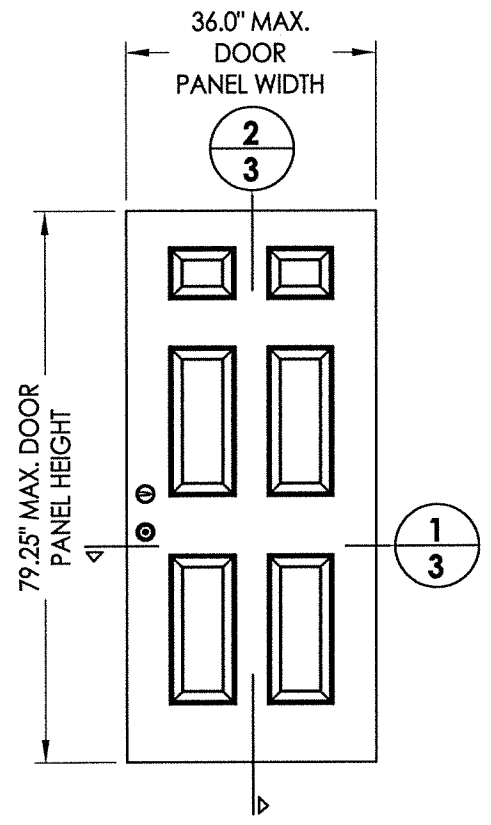
CHK. BY: LFS

DRAWING NO.: FL-15341.9

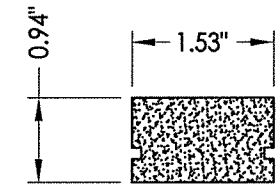
SHEET 2 OF 7



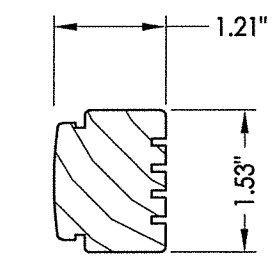
1
3 **HORIZONTAL CROSS SECTION**



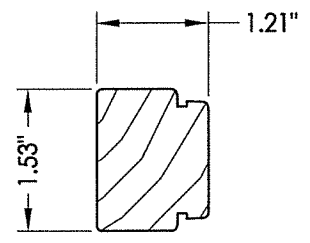
45 **LOCK BLOCK**



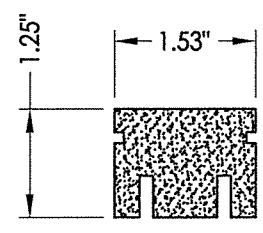
14 **TOP RAIL**



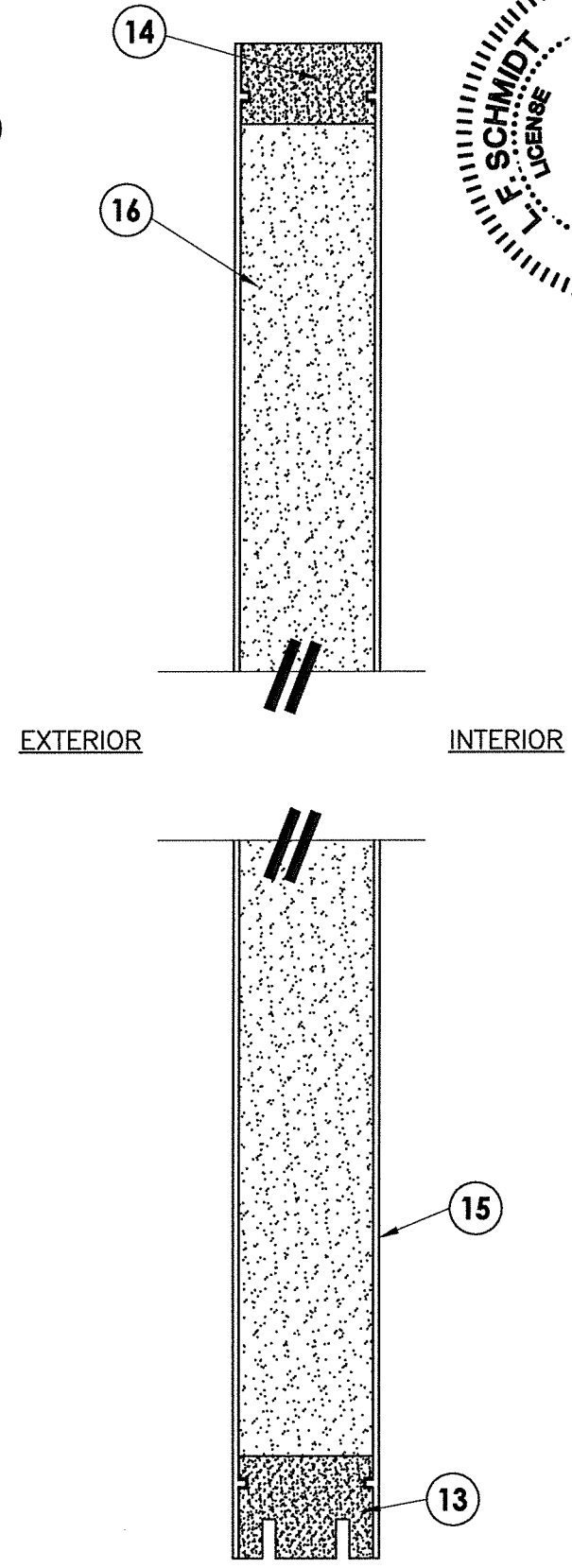
11 **LATCH STILE**



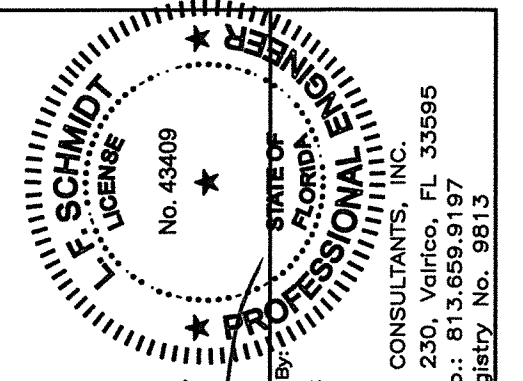
12 **HINGE STILE**



13 **BOTTOM RAIL**

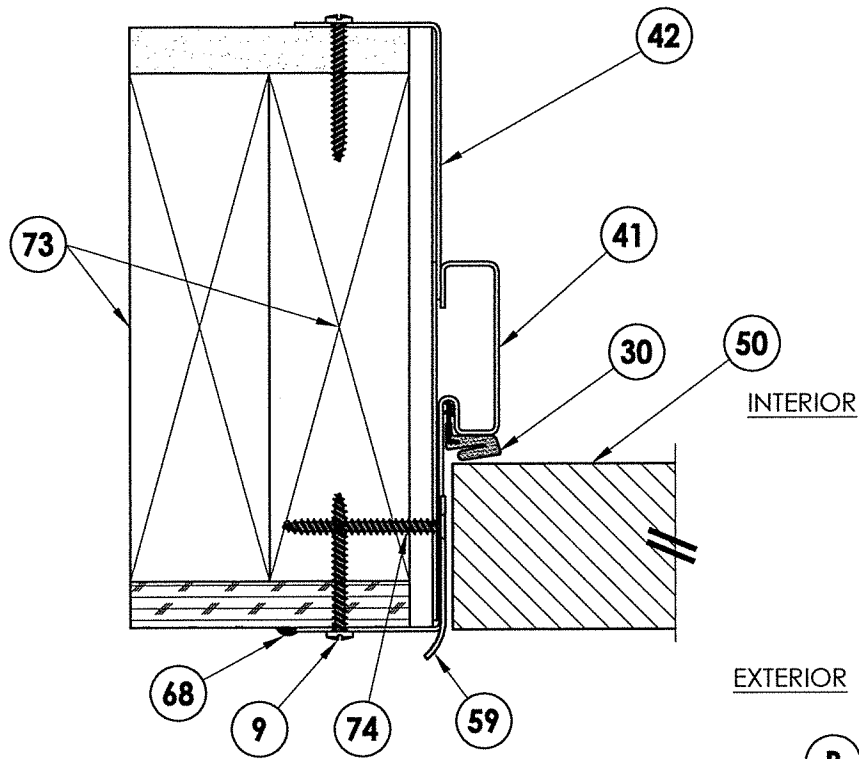


2
3 **VERTICAL CROSS SECTION**

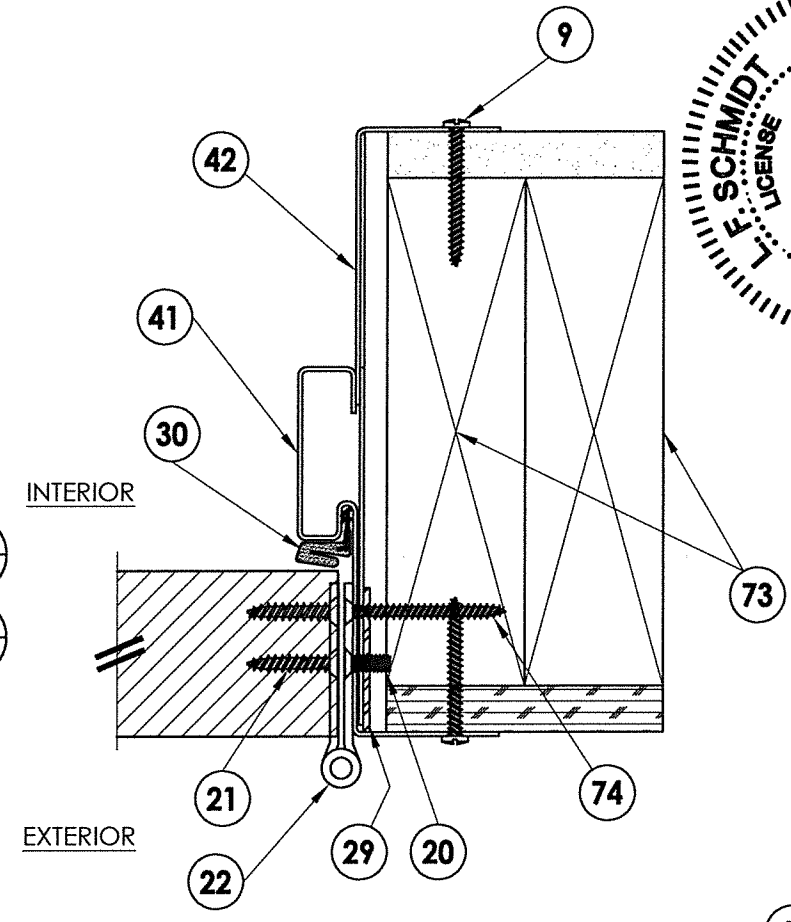
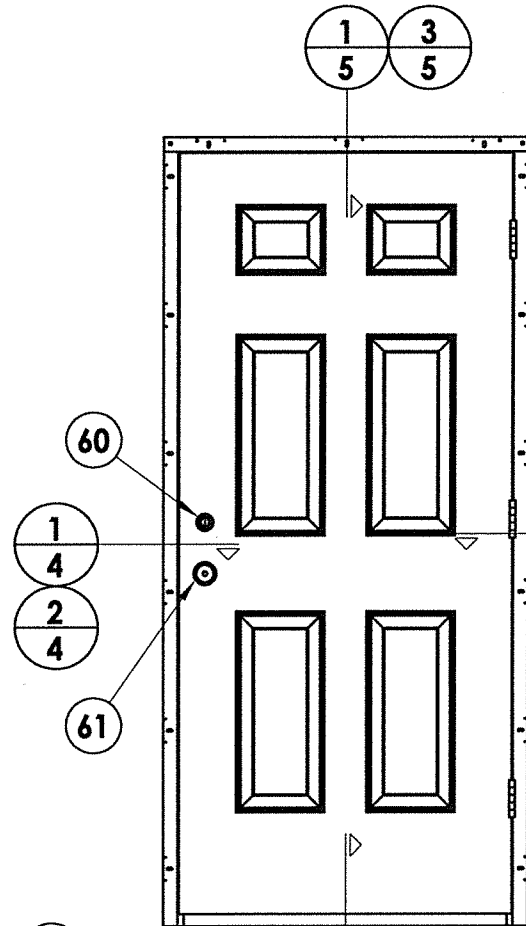


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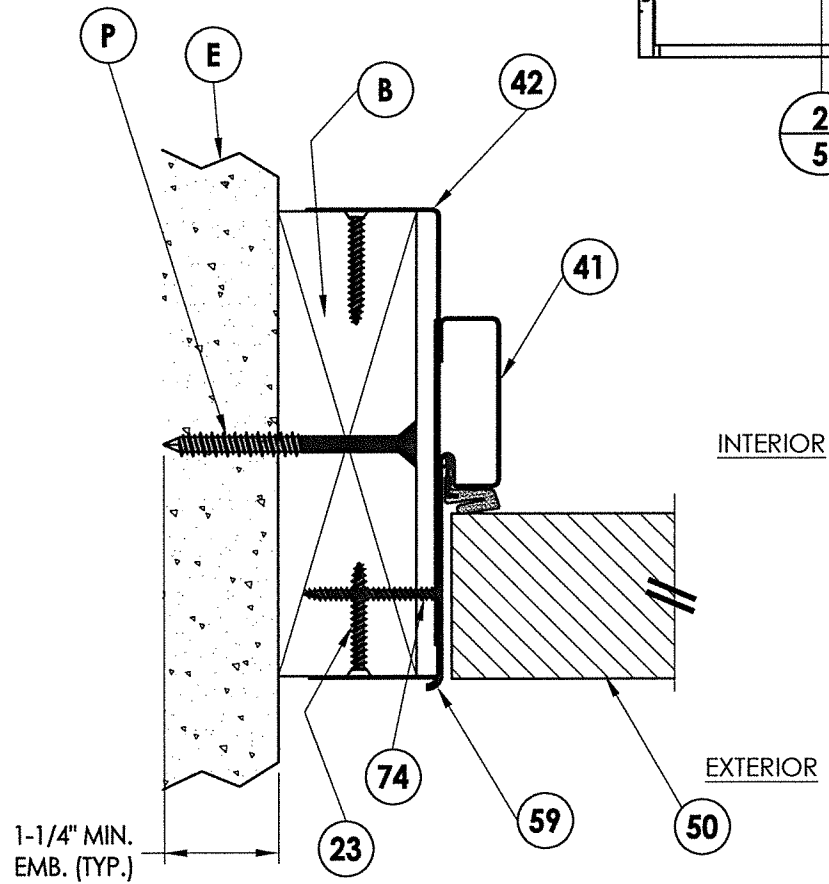
PRODUCT:		DUNBARTON REDIFLEX TWO-PIECE STEEL FRAME	
PART OR ASSEMBLY:		DOOR PANEL DETAILS (FIBER CLASSIC)	
NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7TH ED. (2020) FBC
1	9/30/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15341.9			
SHEET 3 OF 7			



1
4 HORIZONTAL CROSS SECTION

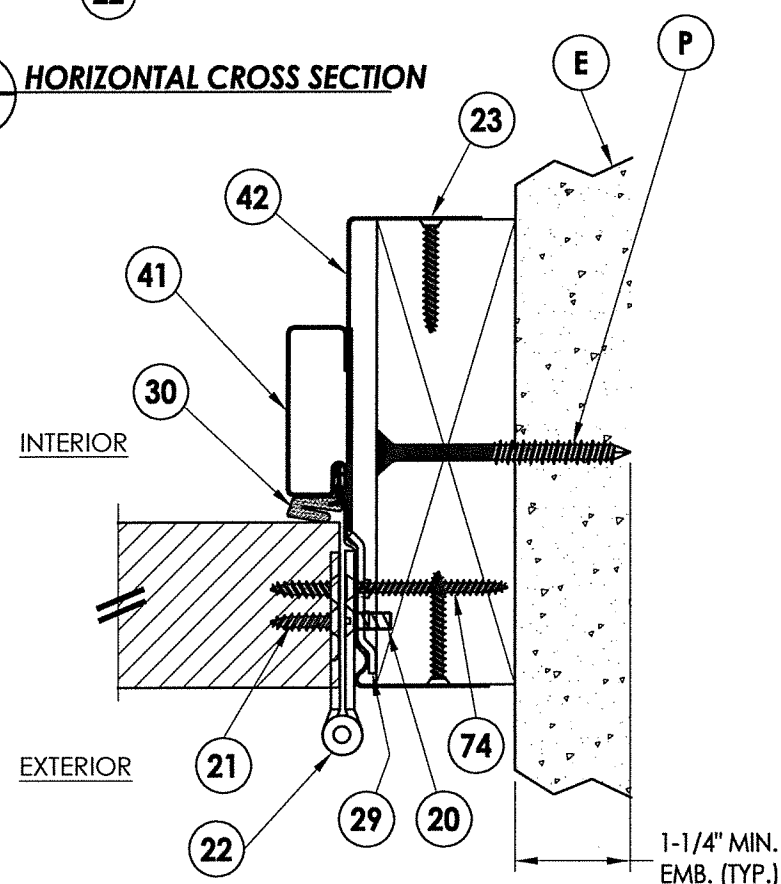


3
4 HORIZONTAL CROSS SECTION

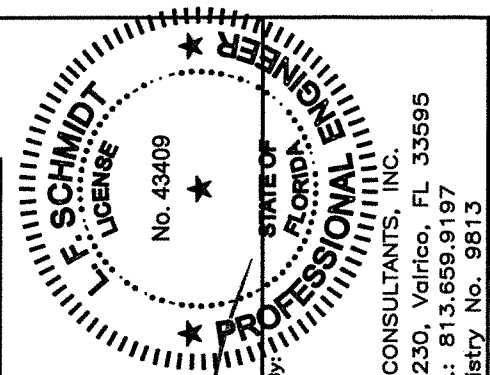


1-1/4" MIN.
EMB. (TYP.)

2
4 HORIZONTAL CROSS SECTION
2X wood buck @ latch

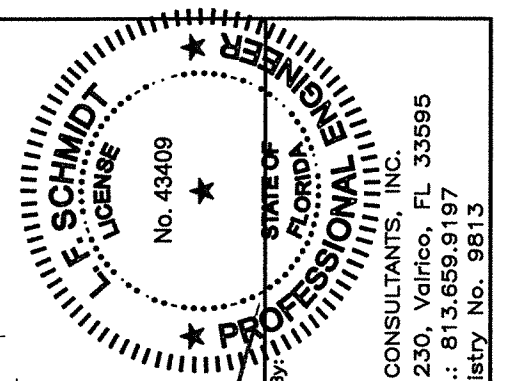
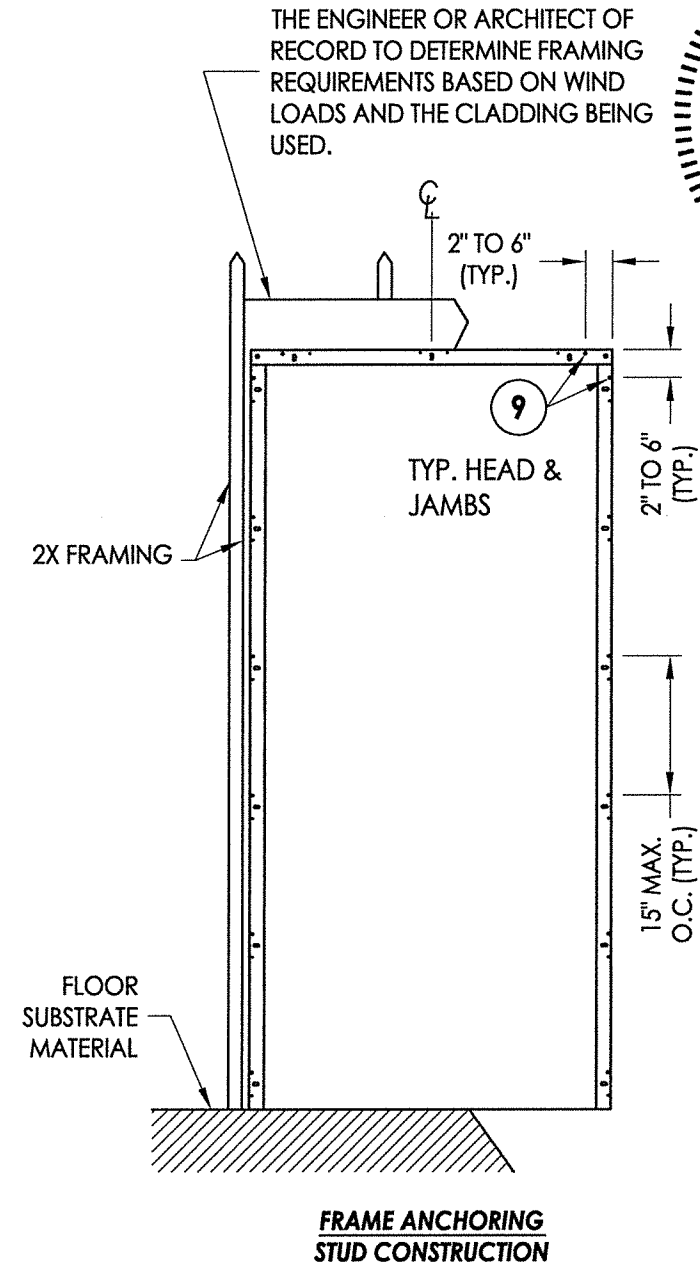
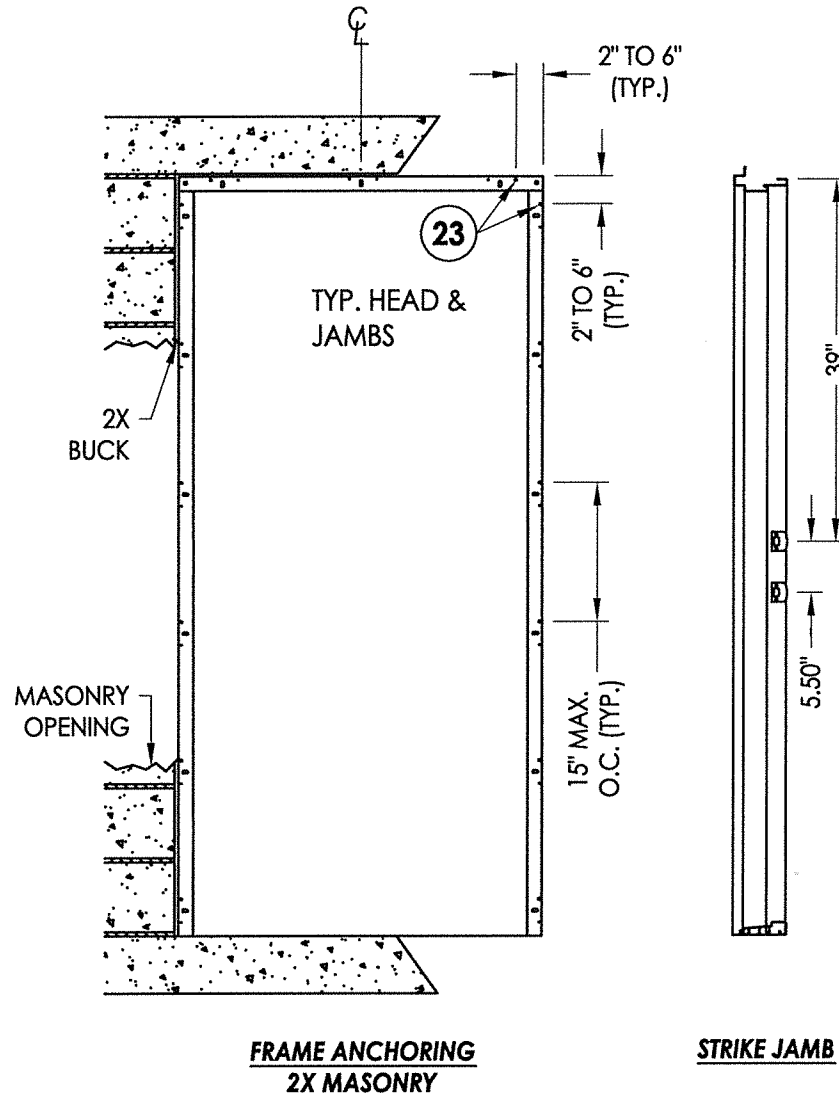
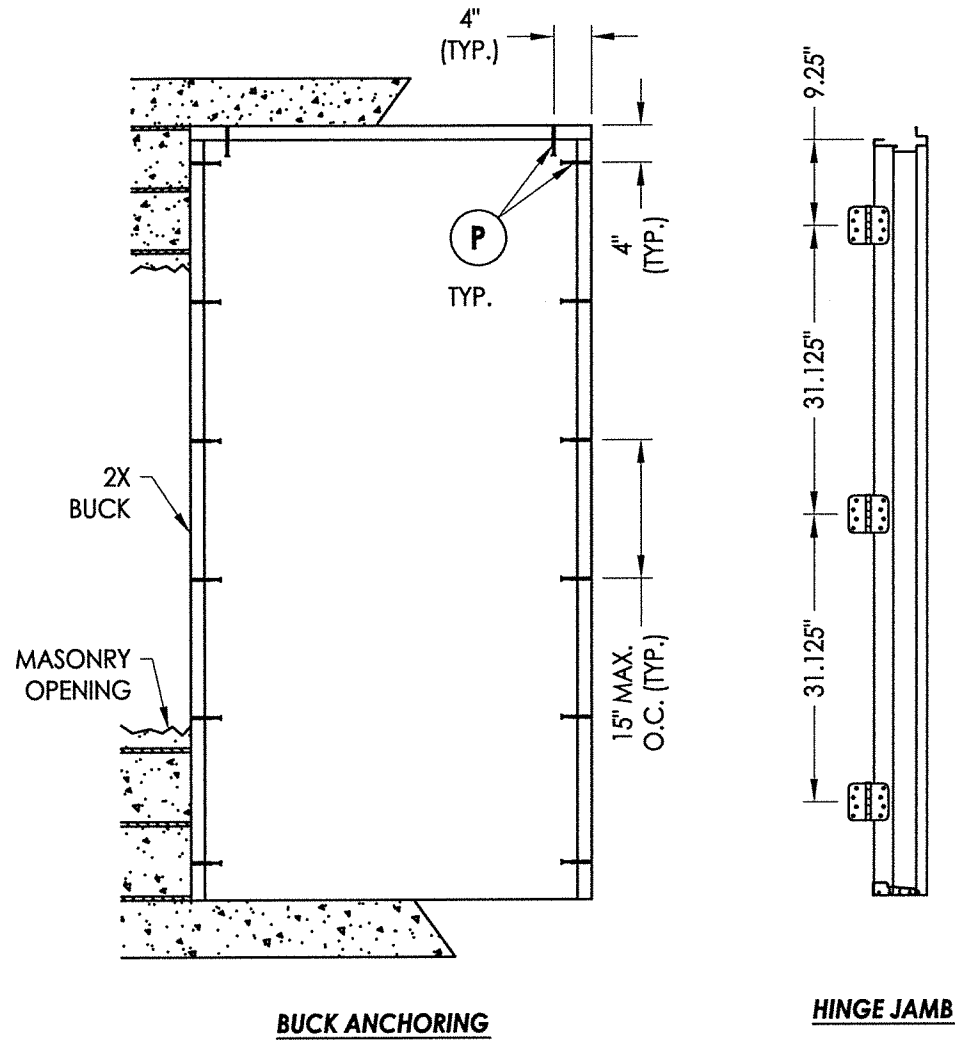


4
4 HORIZONTAL CROSS SECTION
2X wood buck @ hinge



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FBPE Registry No. 9813

PRODUCT:		DUNBARTON REDIFLEX TWO-PIECE STEEL FRAME	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
NO.	DATE	BY	REVISIONS
2	8/11/20	DAC	UPDATE TO 7TH ED. (2020)
1	9/30/17	LFS	UPDATE TO 6TH ED. (2017)
DATE: 3/30/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15341.9			
SHEET 4 OF 7			



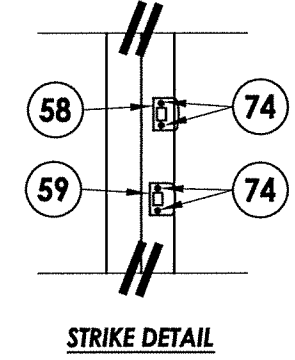
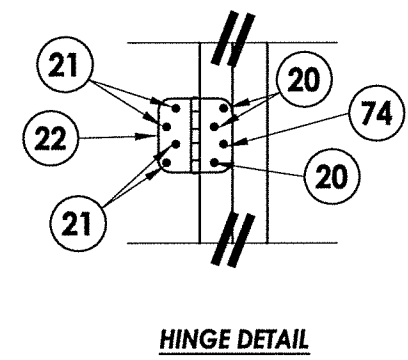
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PRODUCT:		DUNBARTON REDIFLEX TWO-PIECE STEEL FRAME	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
NO.	DATE	BY	REVISIONS
2	8/11/20	FBC	UPDATE TO 7TH ED. (2020)
1	9/30/17	FBC	UPDATE TO 6TH ED. (2017)

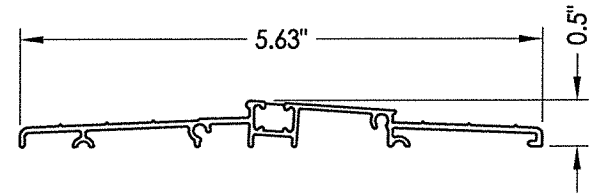
- CONCRETE ANCHOR NOTES:**
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
 - Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required 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"

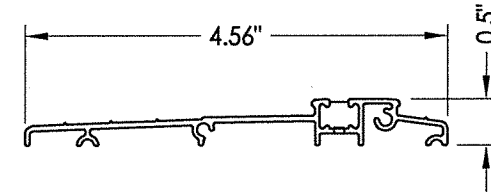
- WOOD SCREW INSTALLATION NOTES:**
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



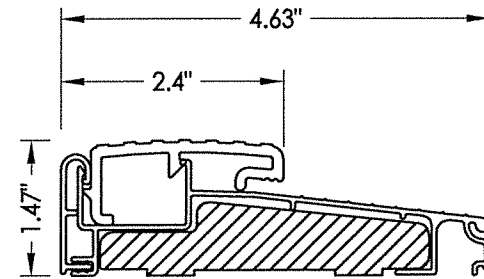
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 OR ASTM A653 STEEL	CONCRETE
P	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
9	#8 X 1-1/2" PPH SMS (7/8" MIN. EMBEDMENT)	STEEL
11	LATCH STILE	WOOD
12	HINGE STILE	WOOD
13	BOTTOM RAIL	WOOD/COMP.
14	TOP RAIL	WOOD/COMP.
15	DOOR SKIN (MIN. 0.090" THK)	FIBERGLASS
16	FOAM CORE (POLYURETHANE)	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
41	REDIFLEX JAMB BASE 18 GA. MIN. (.042" GALV. STEEL) BY DUNBARTON	STEEL
42	REDIFLEX JAMB CLOSURE 22 GA. MIN. (.026" GALV. STEEL) BY DUNBARTON	STEEL
45	LOCK BLOCK	LVL
50	FIBERGLASS DOOR PANEL (THERMA-TRU "FIBER CLASSIC")	-
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



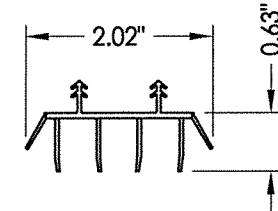
56 OUTSWING THRESHOLD



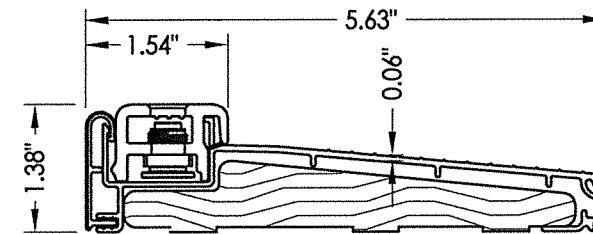
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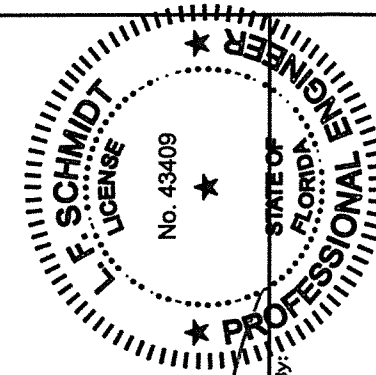
55 OUTSWING THRESHOLD



52 SWEEP



51 INSWING THRESHOLD



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PRODUCT: DUNBARTON REDIFLEX TWO-PIECE STEEL FRAME
 PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	DESCRIPTION	BY
2	8/11/20	UPDATE TO 7th ED. (2020) FBC	DAC
1	9/30/17	UPDATE TO 6TH ED. (2017) FBC	LFS

DATE: 3/30/15
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: FL-15341.9
 SHEET 7 OF 7