



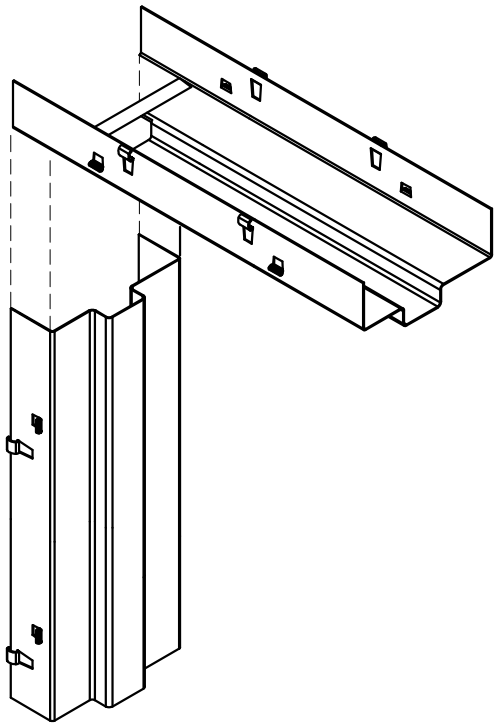
868 MURRAY ROAD, DOTHAN, AL 36303

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

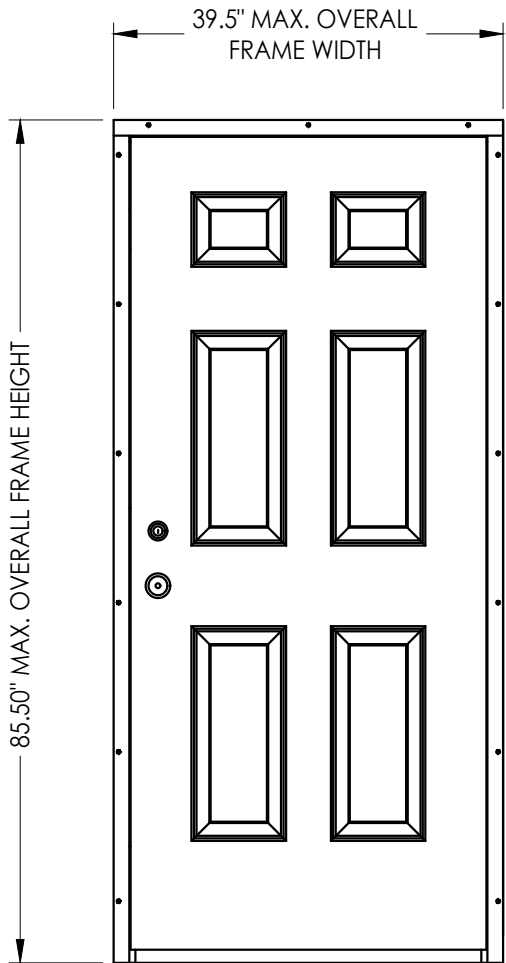
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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.

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SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
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3	Door panel details
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5	Vertical cross sections
6	Buck and frame anchoring - 2X buck
7	Buck and frame anchoring - steel stud
8	Bill of materials and components

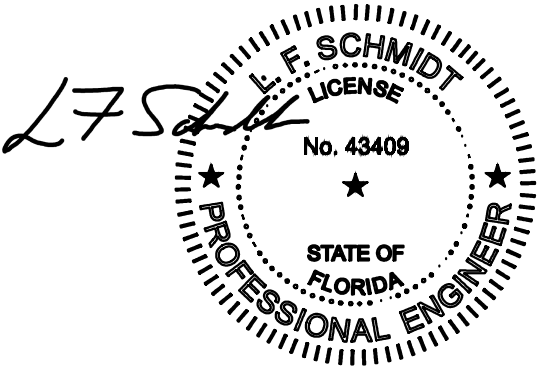


REDIFRAME ONE-PIECE



INSWING OR OUTSWING

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
39.5" X 85.5"	+ 66.0	- 66.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.07.19
11:56:28 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

REVISONS

DATE: 3/14/12

SCALE: N.T.S.

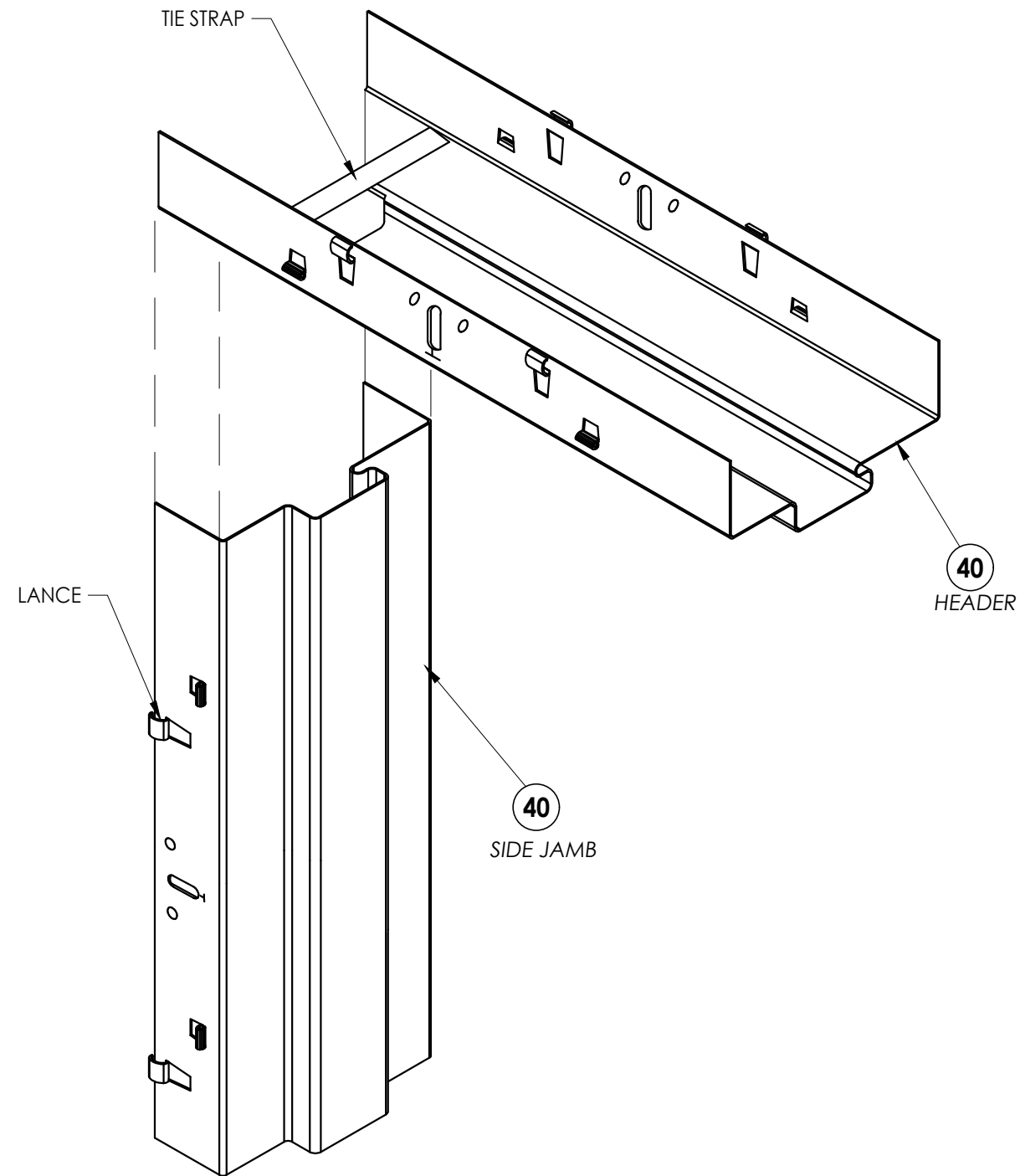
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15366.2

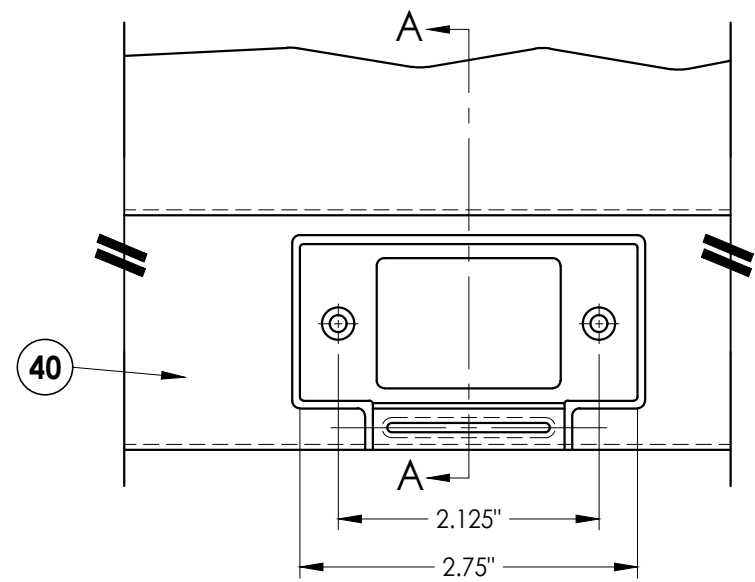
SHEET 1 OF 8

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

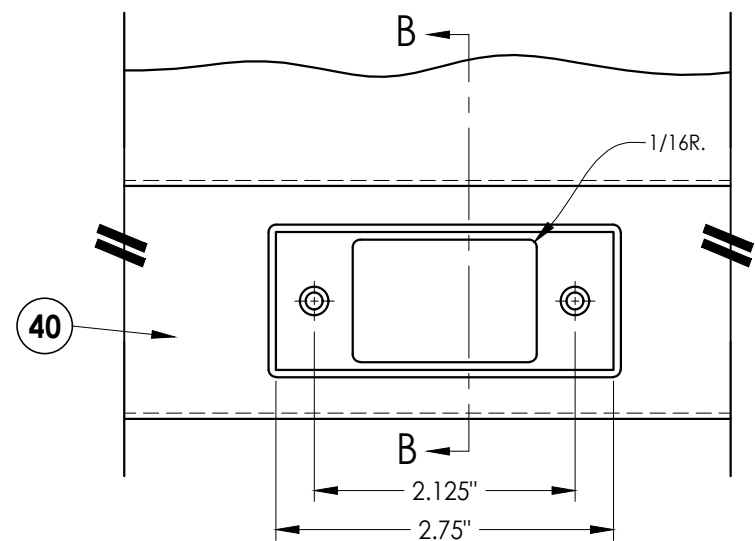


NOTES:

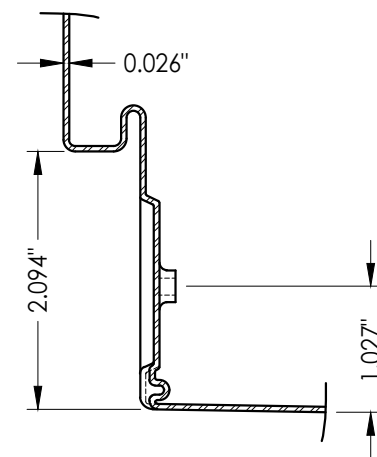
1. HEADER AND SIDE JAMB MINIMUM 22 GA. STEEL.
2. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
3. NON-KERF FRAMES DO NOT MEET AIR AND WATER CRITERIA.



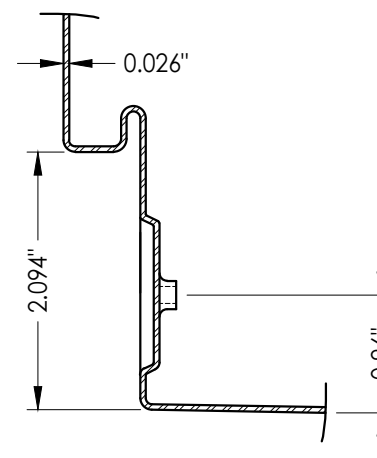
STRIKE AT LATCH



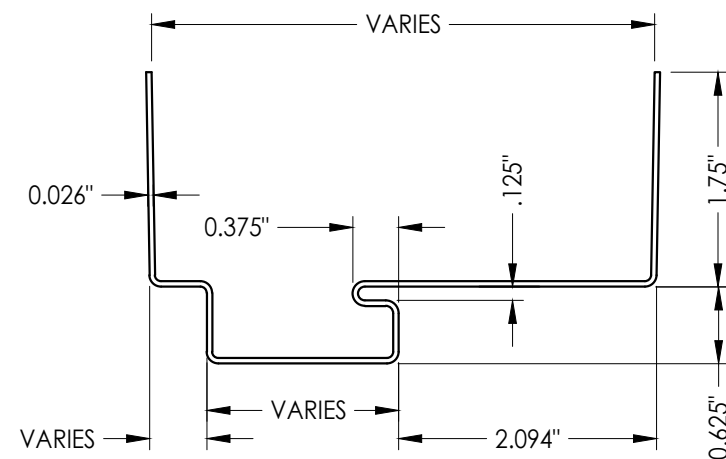
STRIKE AT DEADBOLT



SECTION A-A



SECTION B-B



REDIFRAME CORNER DETAIL

4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/24/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
NO.	DATE				
					REVISIONS
DATE: 3/14/12					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15366.2					
SHEET 2 OF 8					

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

Technical drawings of the interior of a container, showing two views: a side view and an end view.

The side view (left) shows a cross-section of the container. It features a central panel (54) with a stippled texture, flanked by side panels (44) with a wavy line texture. A break symbol (two parallel lines) is shown on the right side of the central panel.

The end view (right) shows a cross-section of the container. It features a central panel (45) with a wavy line texture, flanked by side panels (43) with a stippled texture and (44) with a wavy line texture. A break symbol (two parallel lines) is shown on the left side of the central panel.

The word INTERIOR is written between the two views.

35.88" MAX.
PANEL WIDTH

82.50" MAX PANEL HEIGHT

1
3

3
3

2
3

4
3

62

61

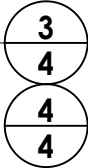
60

50 **DOOR PANEL**
by Masonite

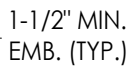
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

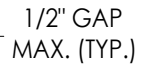
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Phone No.: 813.659.9197
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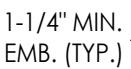
4 Steel Stud Buck



4	Steel Stud Buck
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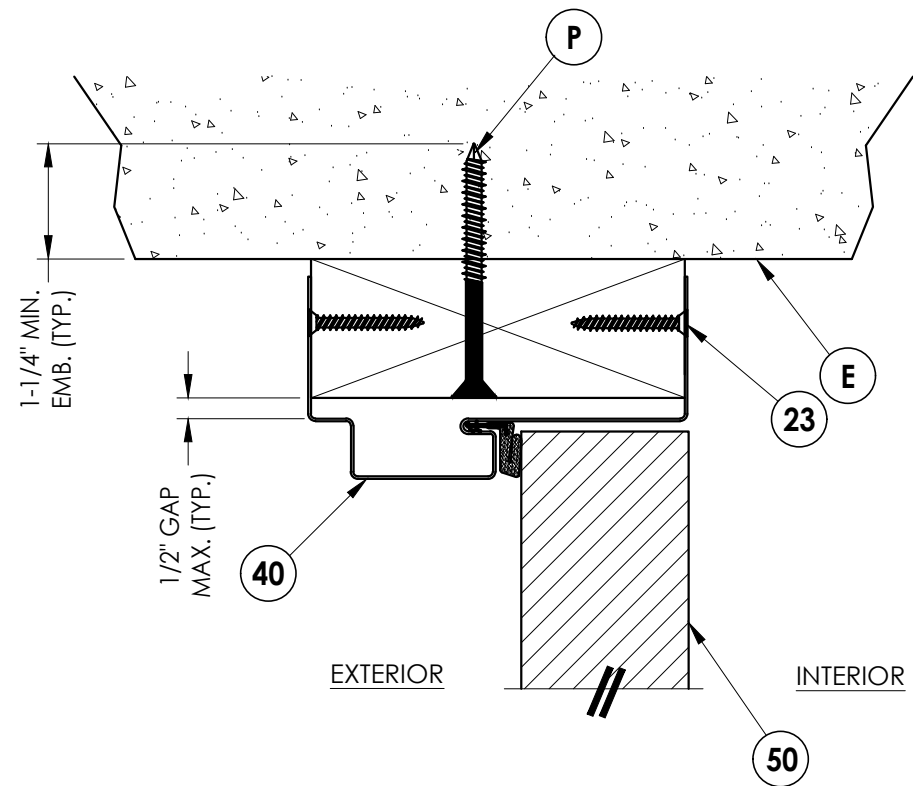
4 Optional 2X Stud Construction



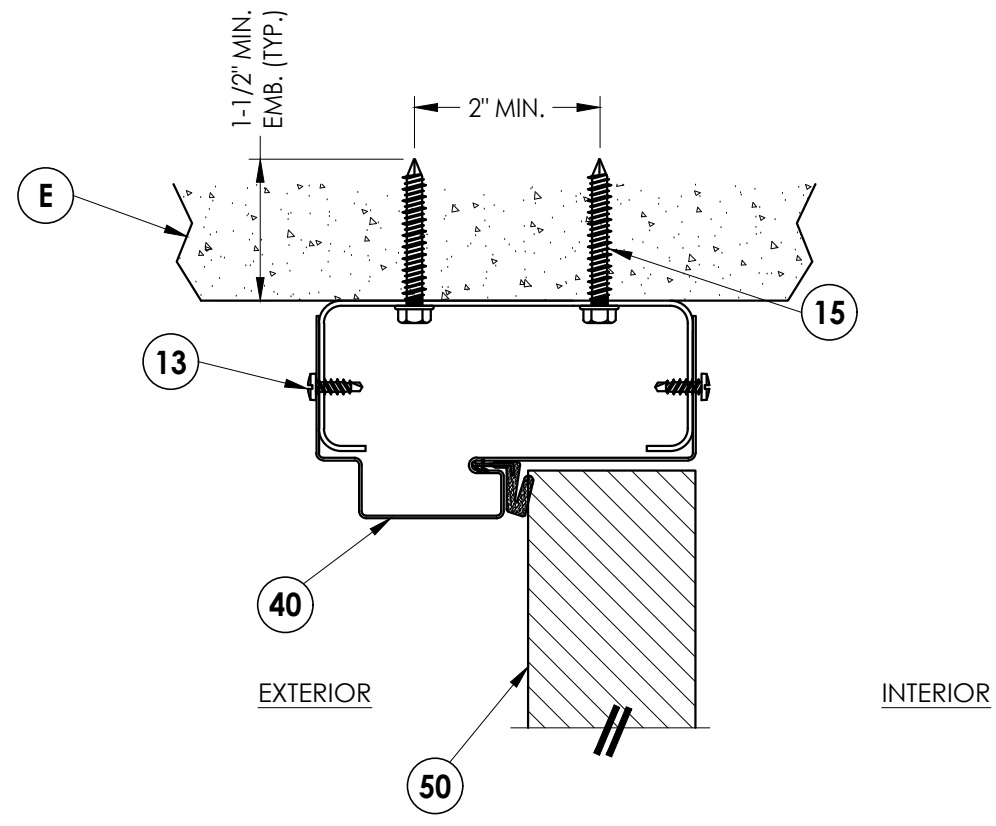
4

DATE:	3/14/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15366.2
SHEET	4 OF 8

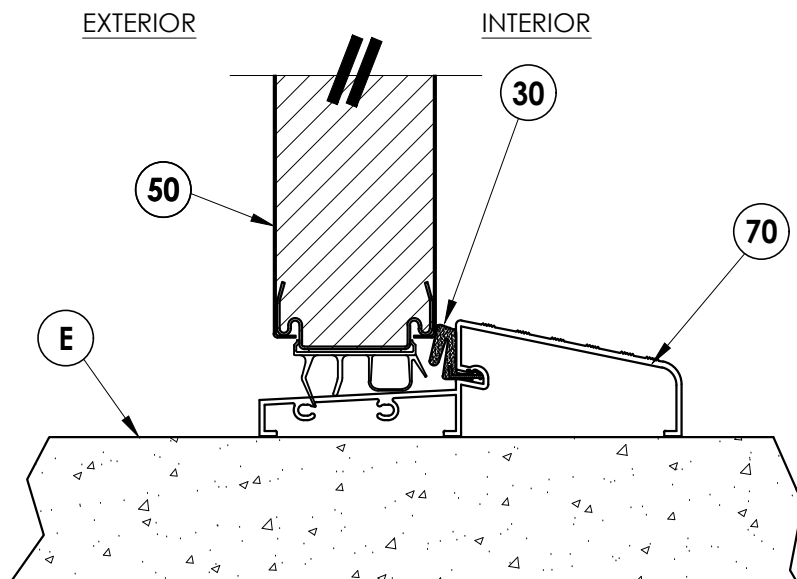
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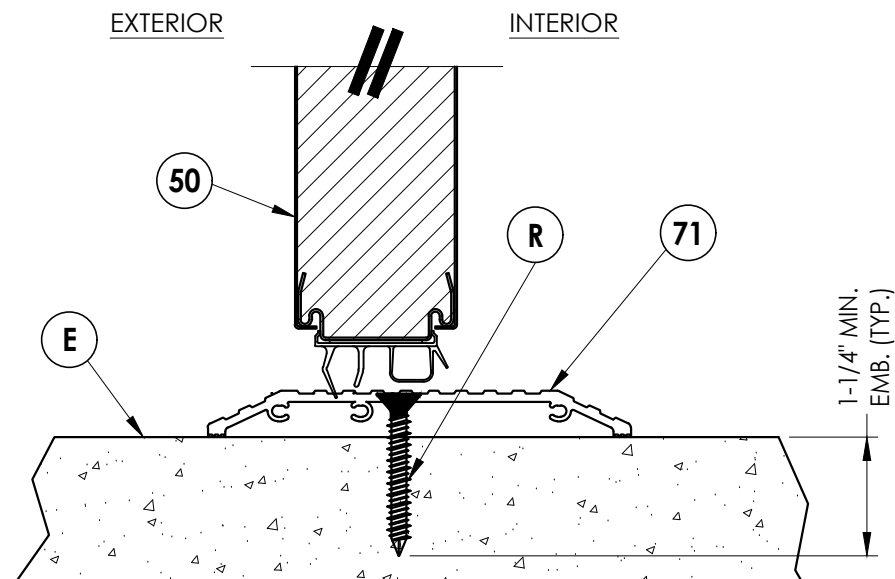
1 **VERTICAL CROSS SECTION**
5 Shown w/ wood buck



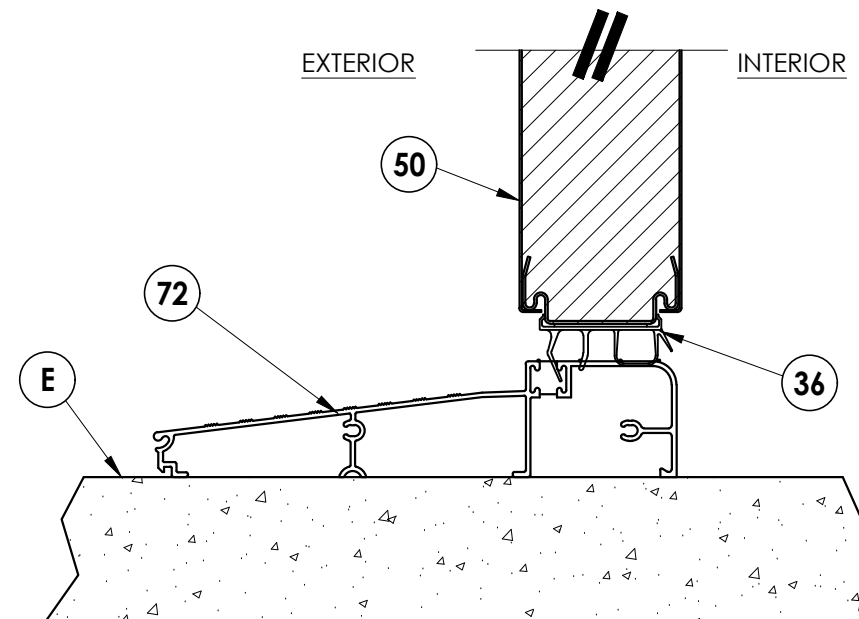
2 **VERTICAL CROSS SECTION**
5 Shown w/ steel buck



3 VERTICAL CROSS SECTION
5



4 VERTICAL CROSS SECTION
5 Shown w/ ADA threshold

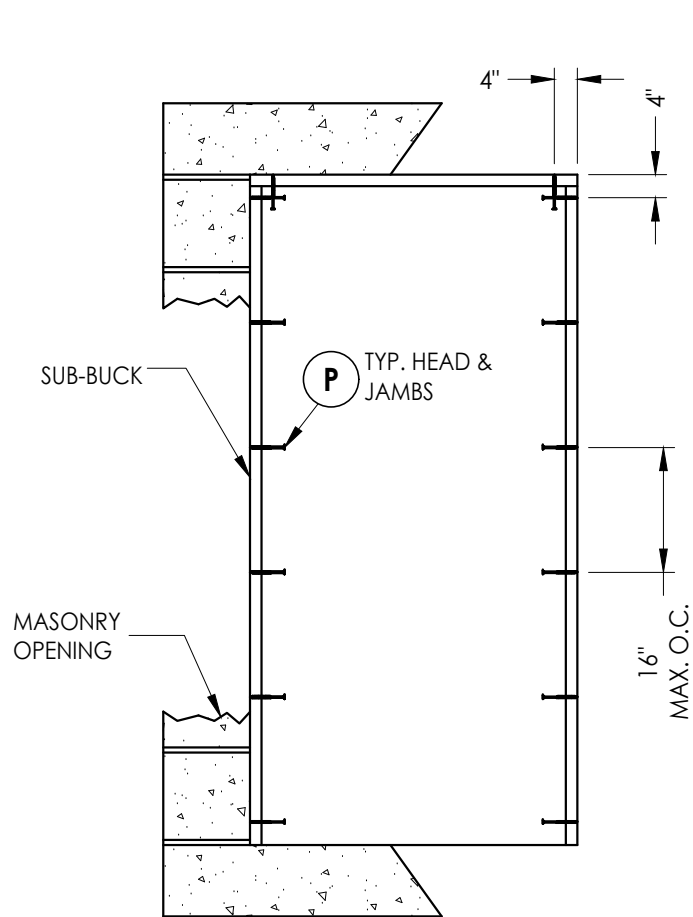


5 VERTICAL CROSS SECTION
5

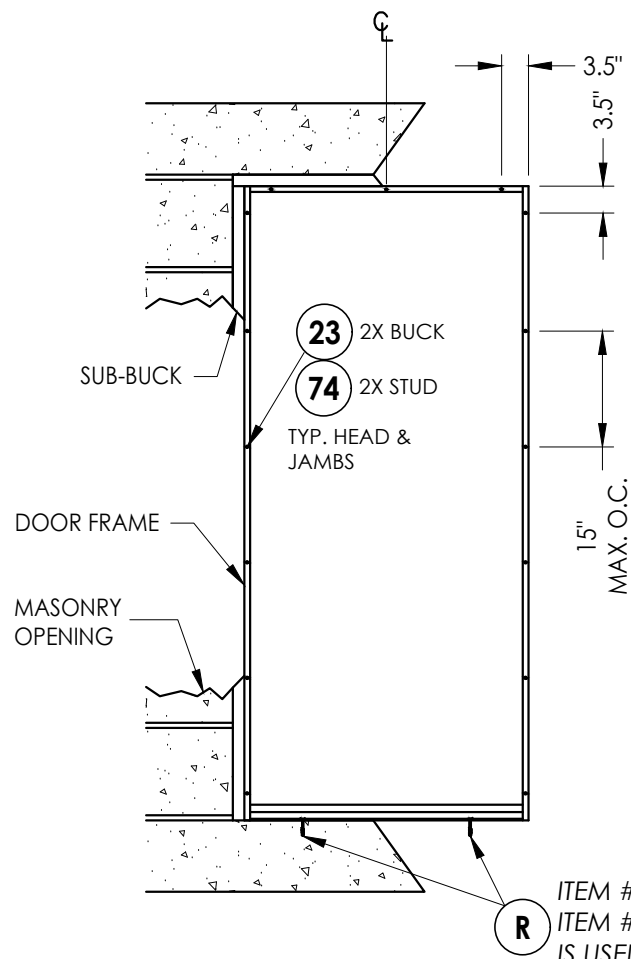
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

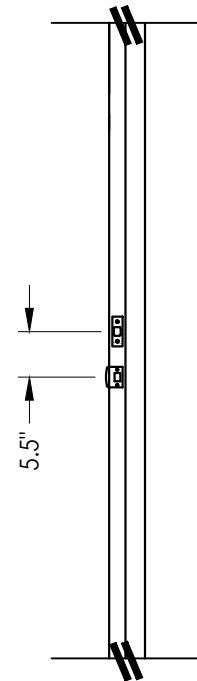
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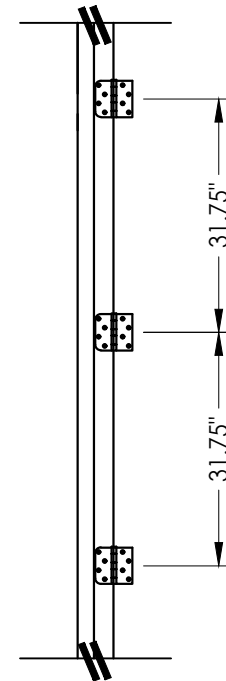
BUCK ANCHORING
2X wood buck



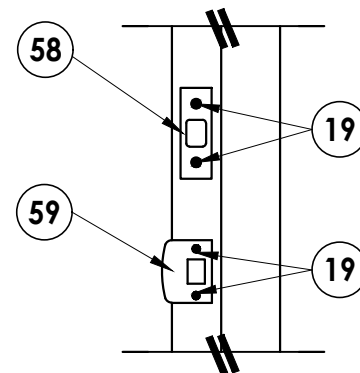
FRAME ANCHORING
Masonry 2X buck construction



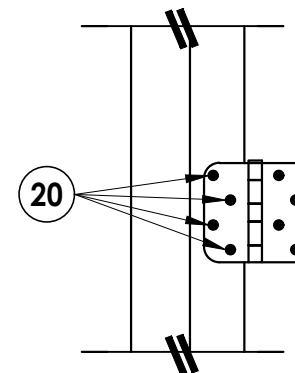
STRIKE JAMB



HINGE JAMB



STRIKE PLATE DETAIL



HINGE DETAIL 1

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

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

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
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 AND FRAME ANCHORING
2X BUCK

[illegible]

1. A minimum of 3 threads shall protrude through the steel stud buck substrate.



1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions are not exceeded.
3. Concrete anchor table:

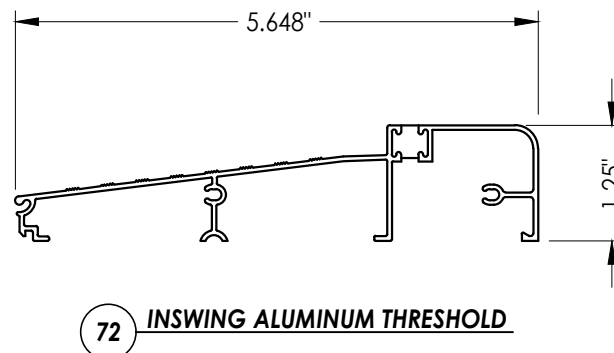
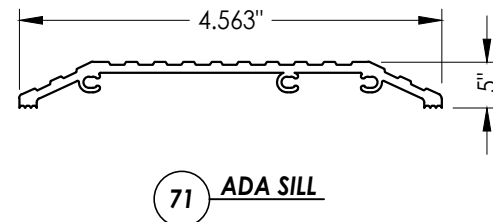
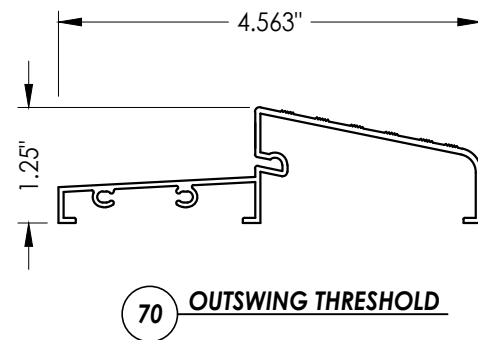
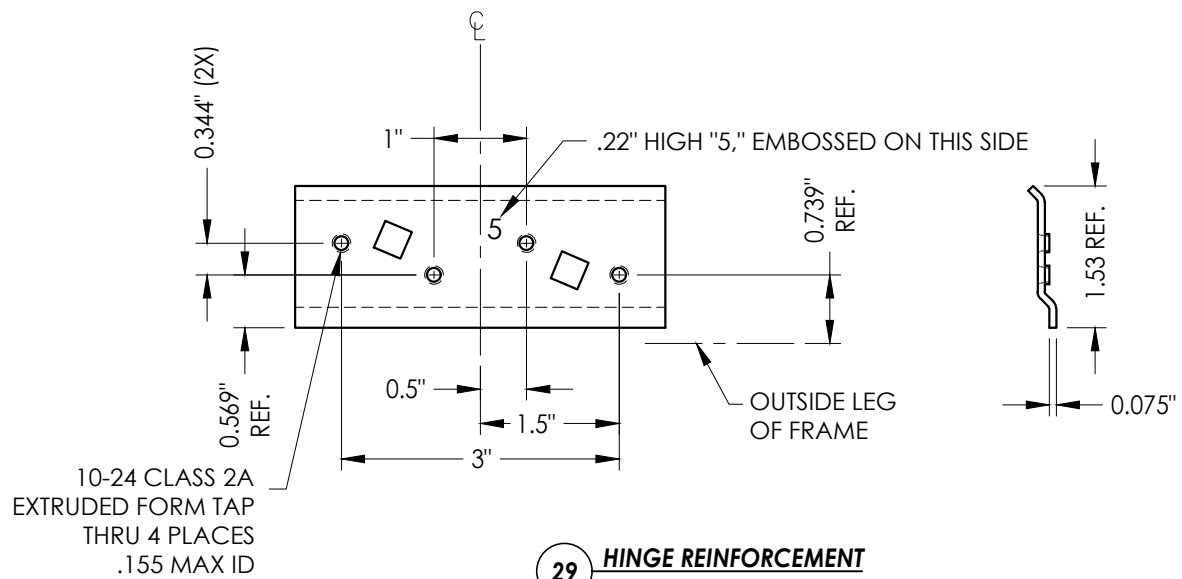
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/2"	3"	2" (REDUCED)

[illegible]

FL-15366.2

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

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
R	1/4" X 1-3/4" ITW PFH CONCRETE SCREW	STEEL
13	#10 X 3/4" HILTI KWIK-FLEX SELF-DRILLING SCREW	STEEL
15	3/16" X 1-3/4" HWH ITW CONCRETE SCREW	STEEL
17	SSMA STUD 550S162-54 Fy = 33 kSI, Fu = 45 kSI	STEEL
19	#8 x 3/8" PFH MACHINE SCREW	STEEL
20	10-24 X 1/2" FLAT HEAD SCREW	STEEL
21	#9 X 1.0" PFH WOOD SCREW	STEEL
22	4.0" X 4.0" BUTT HINGE	STEEL
23	#6 X 1-1/4 PFH WOOD SCREW (1-1/8" 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
36	DOOR BOTTOM SWEEP by DUNBARTON	PVC
40	REDIFRAME JAMB 22 GA. MIN. (.026" GALV. STEEL) BY DUNBARTON	STEEL
43	DOOR PANEL .020" THK. GALV. STEEL, WOOD EDGE BY MASONITE	STEEL
44	WOOD LOCK STILE 1.708" x .970" BY MASONITE	WOOD
45	WOOD LOCK BLOCK 1.708" x 3.375" x 10.75" F. J. PINE BY MASONITE	WOOD
46	WOOD TOP RAIL 1.708" x .908" BY MASONITE	WOOD
47	WOOD BOTTOM RAIL 1.708" x 1.010" BY MASONITE	WOOD
50	STEEL DOOR PANEL - by Stanley	STEEL
51	SIDE STILE .043" ROLL FORMED STEEL BY MASONITE	STEEL
52	DOOR PANEL .022" THK. GALV. STEEL, STEEL EDGE BY MASONITE	STEEL
53	WOOD LOCK REIN. FINGER JOINTED PINE BY MASONITE	WOOD
54	POLYURETHANE FOAM CORE	POLYURETHANE
55	BOTTOM RAIL .032" THK. ROLL FORMED STEEL BY MASONITE	STEEL
56	TOP RAIL .043" THK ROLL FORMED STEEL BY MASONITE	STEEL
57	PLASTIC LOCK RING	PLASTIC
58	STRIKE PLATE - DEADBOLT	STEEL
59	STRIKE PLATE - LATCHBOLT	STEEL
60	EVERSEF LATCH w/ EVERSEF DEADBOLT	STEEL
61	KWIKSET SERIES LATCH w/ KWIKSET SERIES (660) DEADBOLT	STEEL
62	SCHLAGE LATCH (F SERIES) w/ SCHLAGE DEADBOLT (B60/62)	STEEL
70	OUTSWING BUMP THRESHOLD by ENDURA	ALUM
71	ADA THRESHOLD by ENDURA	ALUM
72	INSWING FIXED THRESHOLD BY ENDURA	ALUM
73	2X FRAMING: SG >= 0.43	WOOD
74	#8 x 1-3/4" PFH SMS (1-1/8" MIN. EMBEDMENT)	STEEL



DATE: 3/14/12		DRAWING NO.: FL-15366.2		SHEET 8 OF 8	
CHK. BY: LFS		DWG. BY: JK		SCALE: N.T.S.	
NO.		DATE		REVISONS	
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
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1	3/24/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
					BY
PRODUCT:					
DUNBARTON REDIFRAME ONE-PIECE STEEL FRAME					
PART OR ASSEMBLY:					
BILL OF MATERIALS & COMPONENTS					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813					