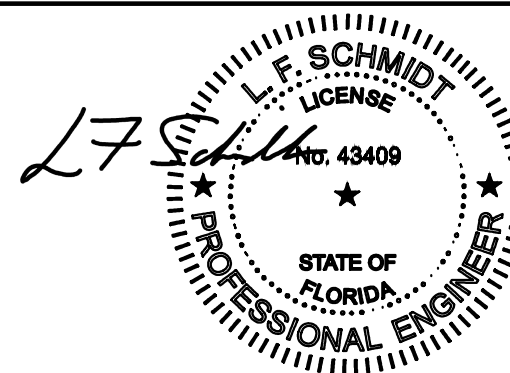


"REDIFRAME"
ONE-PIECE STEEL FRAME SYSTEM
UTILIZING A
PLASTPRO OPAQUE FIBERGLASS DOOR PANEL
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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.

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

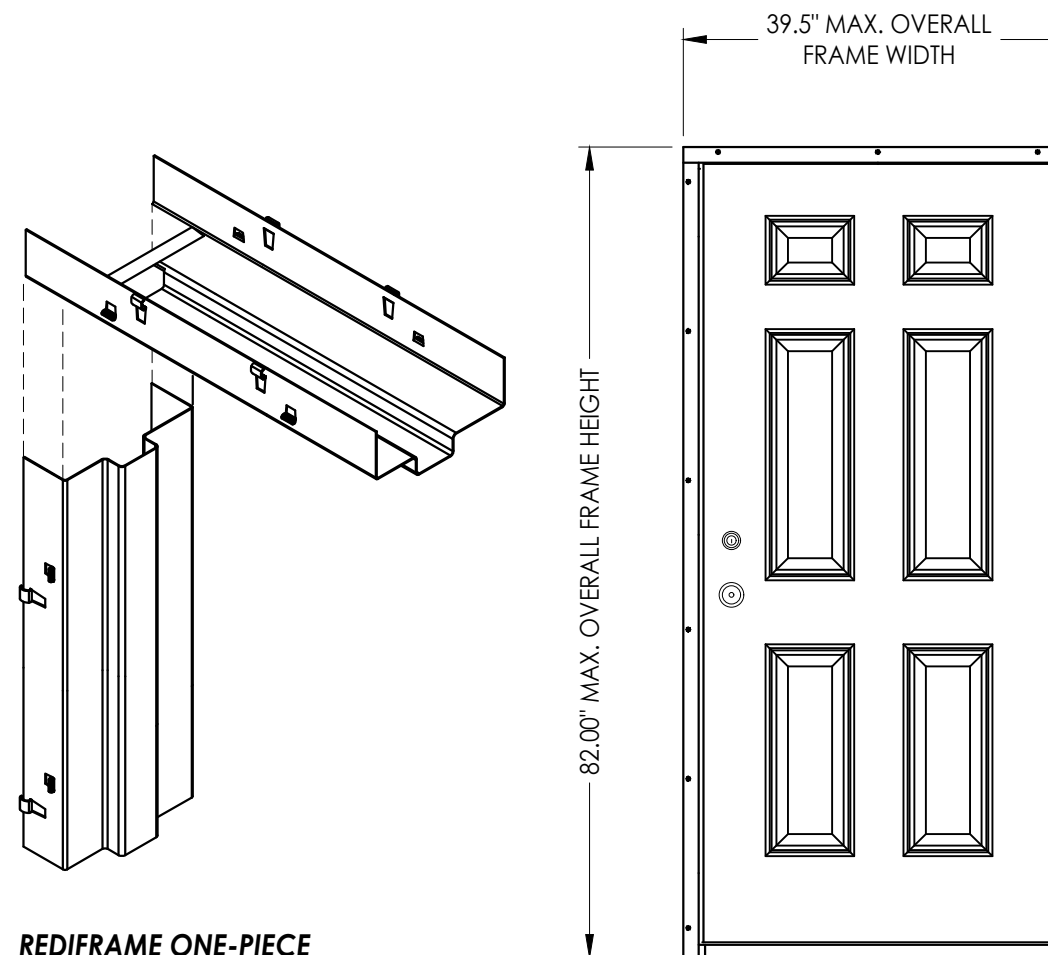


Digitally signed by
Lyndon F Schmidt
Date: 2023.07.19
11:56:42 -04'00'

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



REDIFRAME ONE-PIECE

INSWING OR OUTSWING

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
39.5" X 82.0"	+ 50.0	- 50.0

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

R^{gW} 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: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
1	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
NO.	DATE			BY
				REVISIONS

DATE: 3/30/15

SCALE: *N.T.S.*

DWG. BY: JK

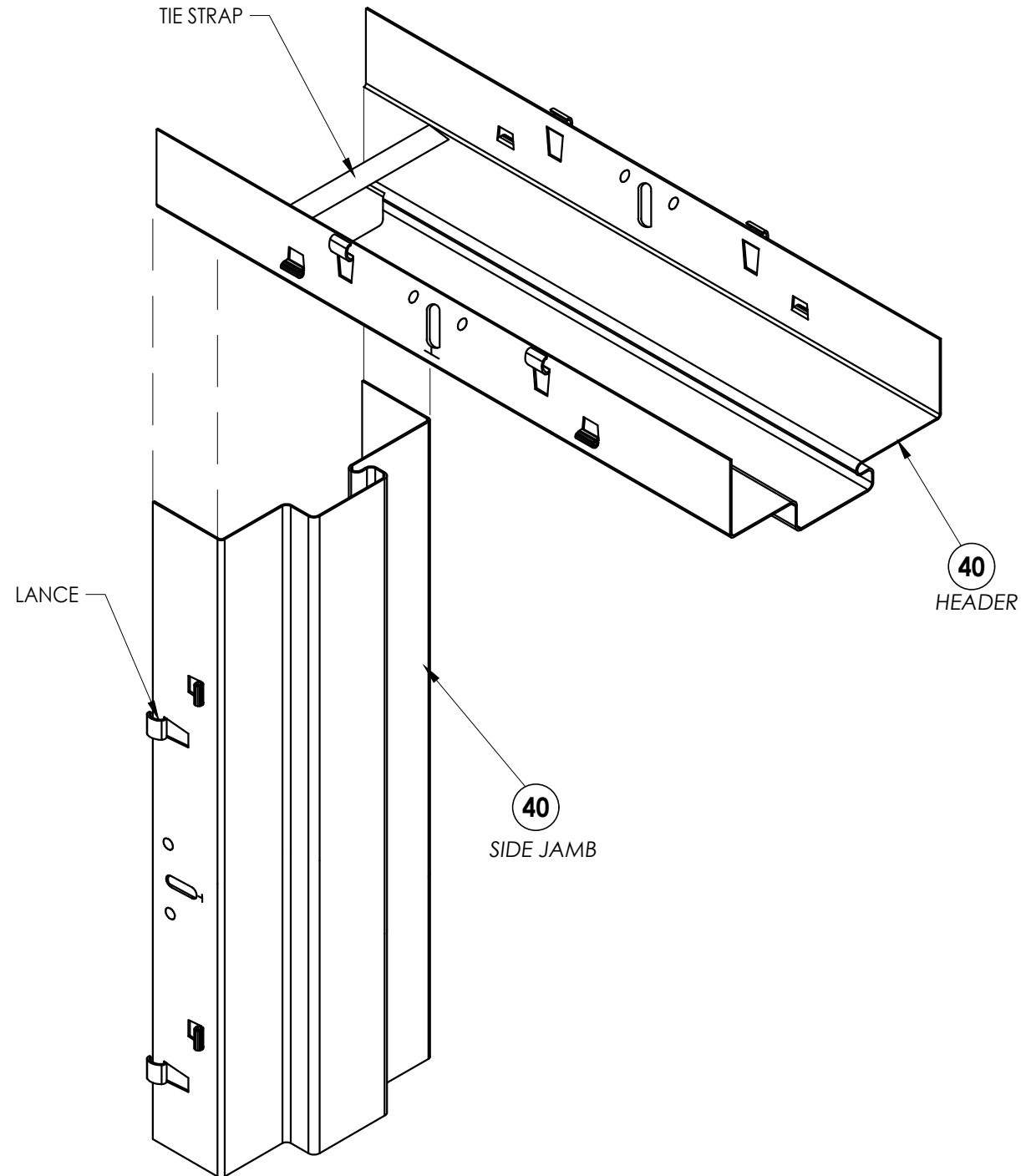
CHK. BY: LFS

DRAWING NO.:

FL-15366.5

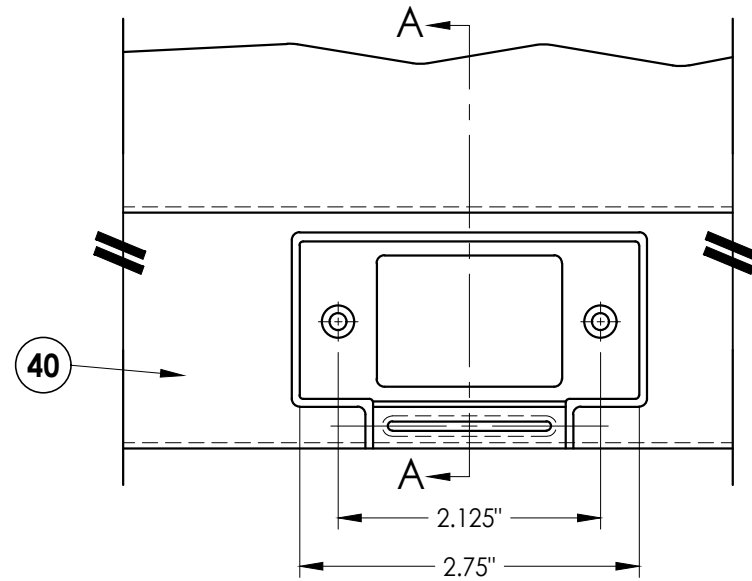
SHEET 1 OF 7

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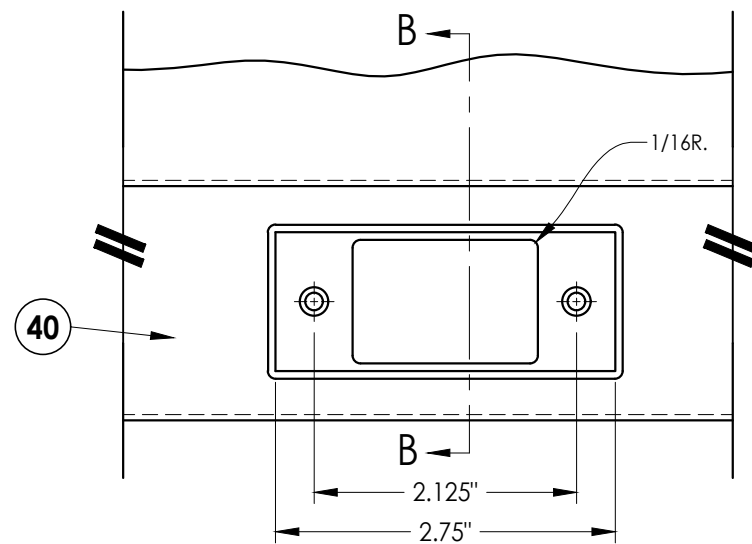


NOTES:

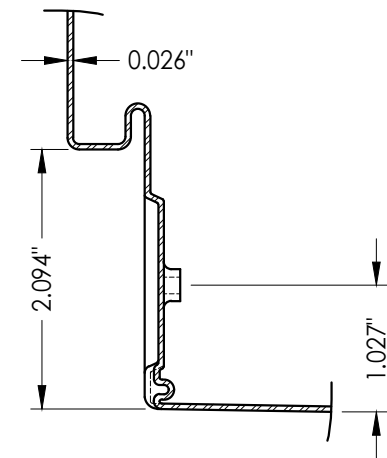
1. HEADER AND SIDE JAMB MINIMUM 22 GA. STEEL.
2. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
3. NON-KERF FRAMES DO NOT MEET AIR AND WATER CRITERIA.



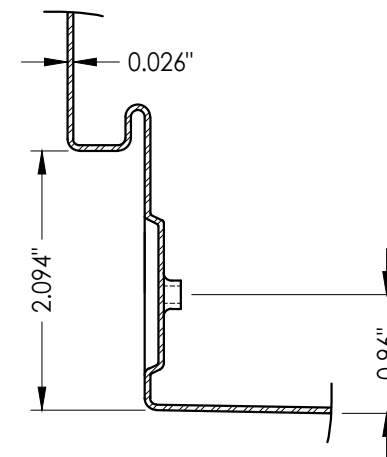
STRIKE AT LATCH



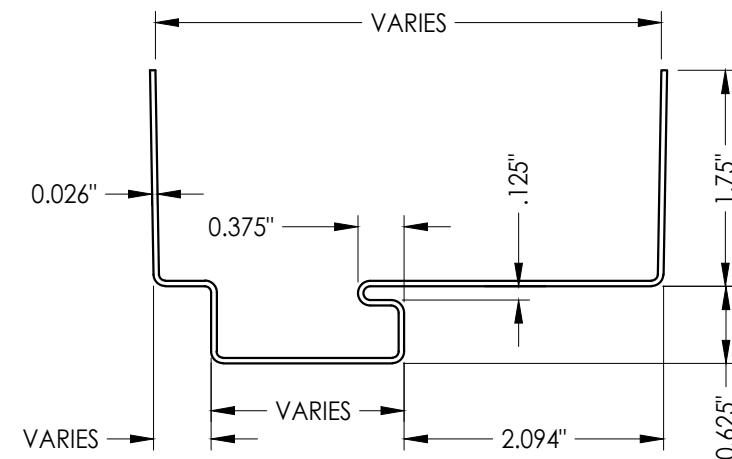
STRIKE AT DEADBOLT



SECTION A-A



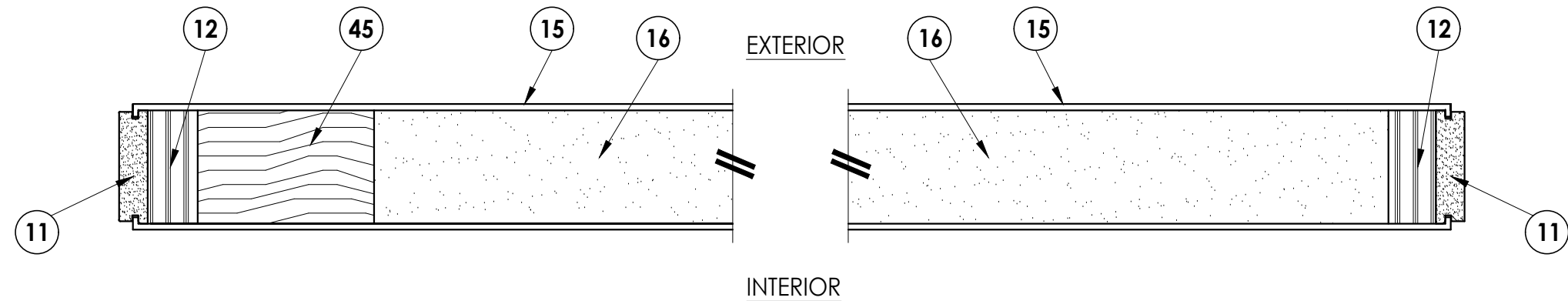
SECTION **B-B**



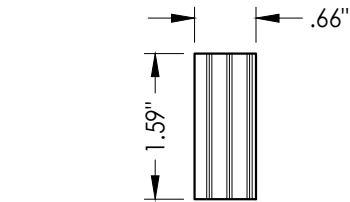
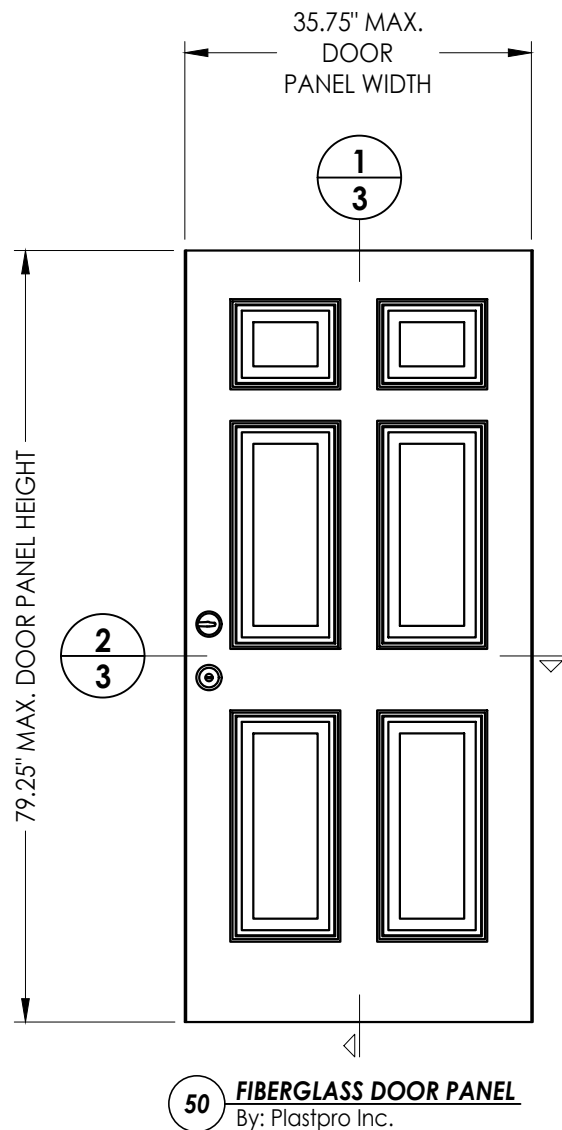
REDIFRAME CORNER DETAIL

DATE: 3/30/15													
SCALE: N.T.S.													
DWG. BY: JK													
CHK. BY: LFS													
DRAWING NO.: FL-15366.5													
SHEET 2 OF 7													

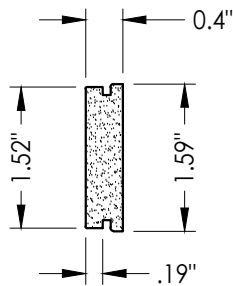
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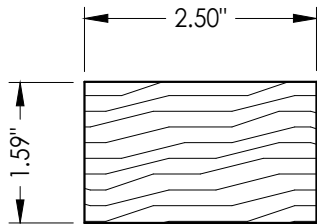
2
3 **HORIZONTAL CROSS SECTION**



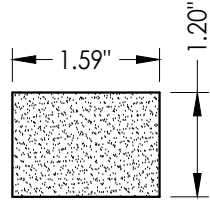
12 **LATCH & HINGE STILE**
LVL wood reinforcement



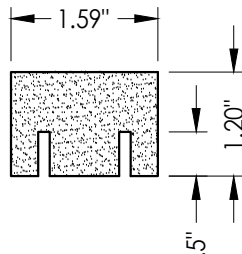
11 **LATCH / HINGE STILE**
Cellular pvc



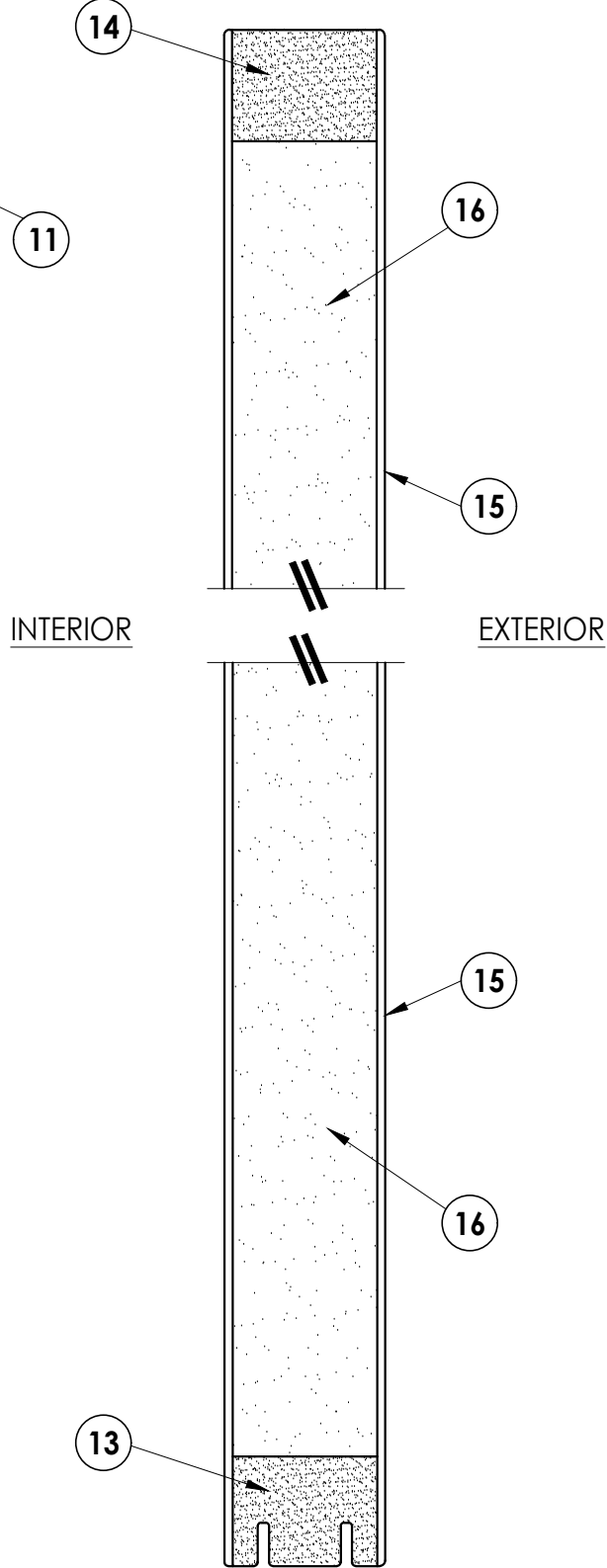
45 **REINF. WOOD**
For lock



14 **DOOR TOP RAIL**
Cellular pvc



13 **DOOR BOTTOM RAIL**
Cellular pvc



1
3 **VERTICAL CROSS SECTION**

August 12, 2020

Documents Prepared By:
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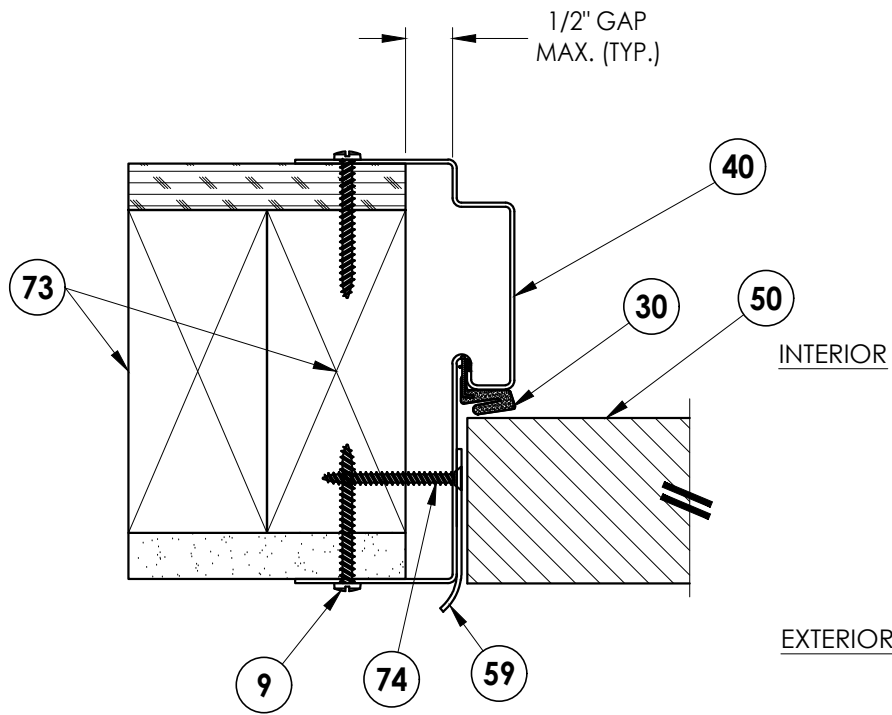
PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
DOOR PANEL DETAILS

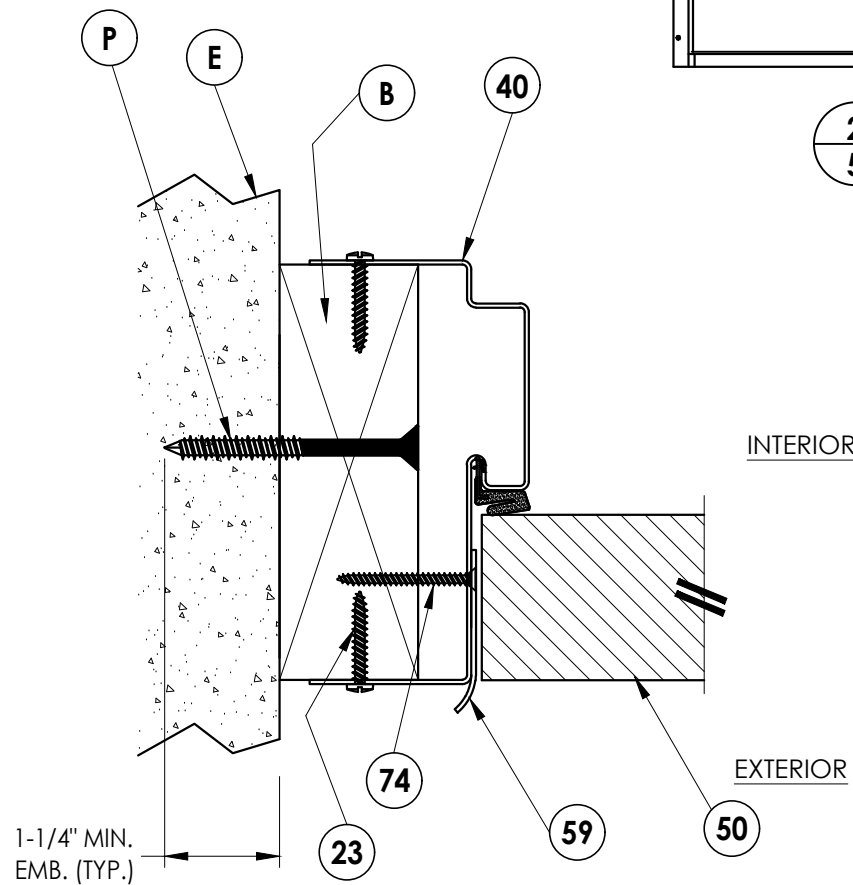
NO.	DATE	REVISIONS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/12/20	UPDATE TO 7TH ED. (2020) FBC DAC
1	8/12/20	UPDATE TO 7th ED. (2020) FBC DAC

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

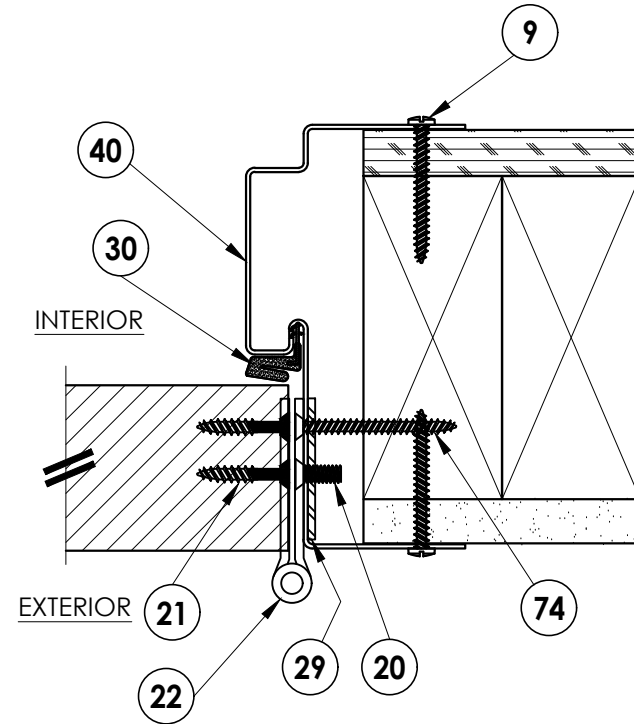
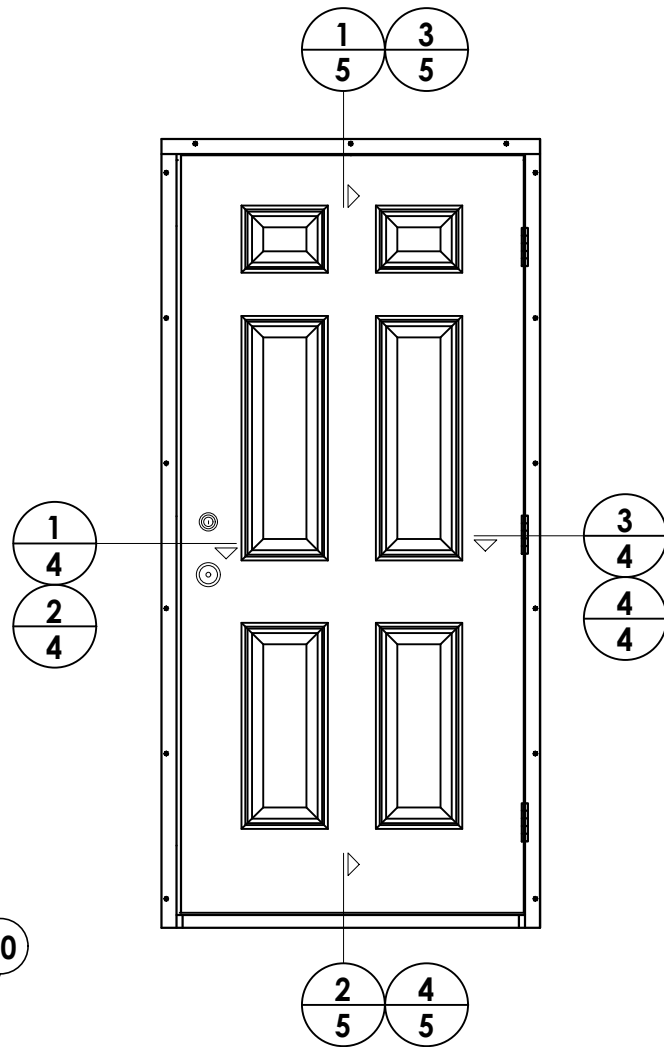
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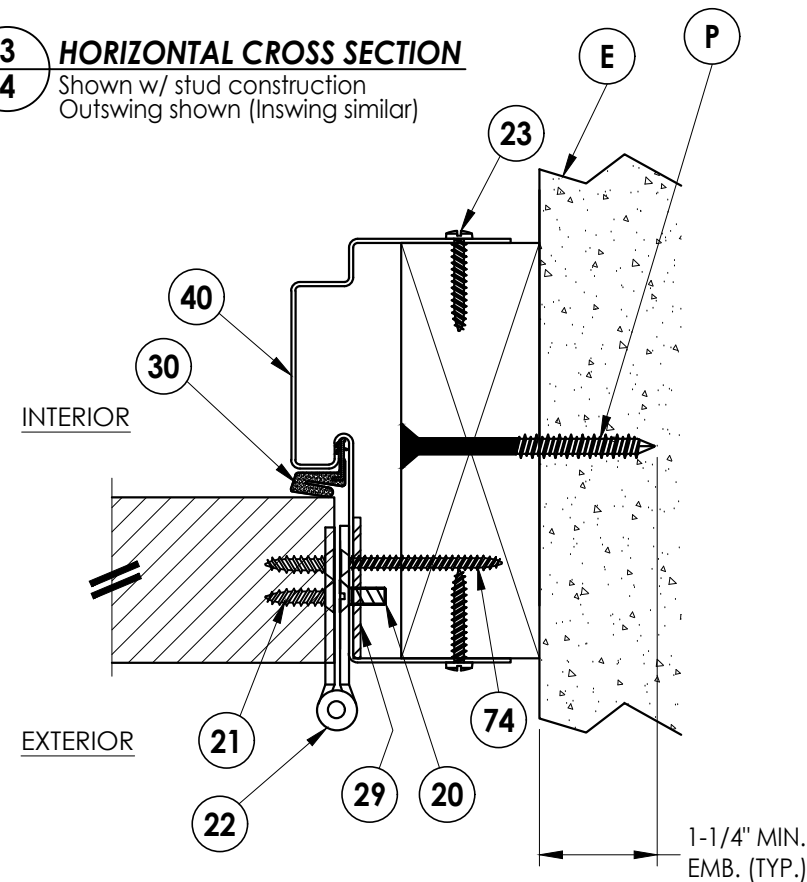
1
4 **HORIZONTAL CROSS SECTION**
Shown w/ stud construction
Outswing shown (Inswing similar)



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



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



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

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC
2	8/12/20	UPDATE TO 7TH ED. (2020)	FBC
1	9/29/17	UPDATE TO 6TH ED. (2017)	FBC

DATE: 3/30/15

SCALE: N.T.S.

DWG. BY: JK

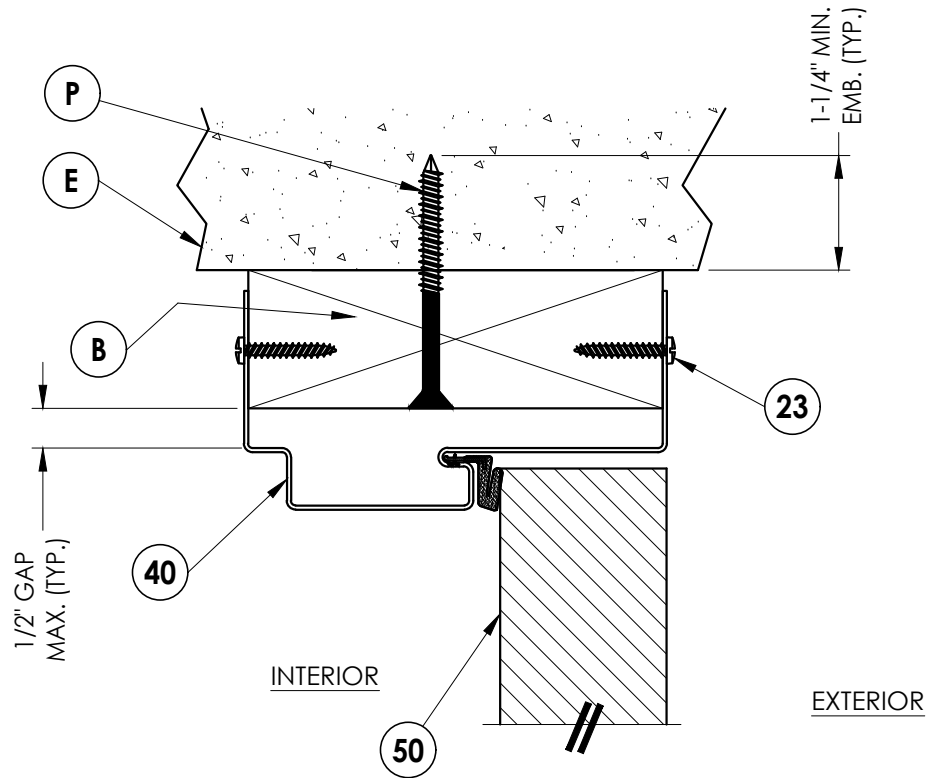
CHK. BY: LFS

DRAWING NO.:

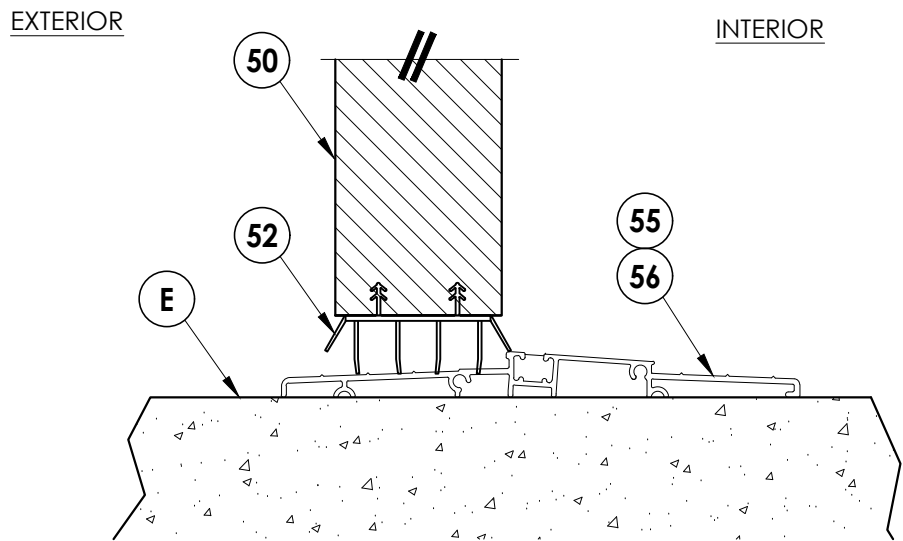
FL-15366.5

SHEET 4 OF 7

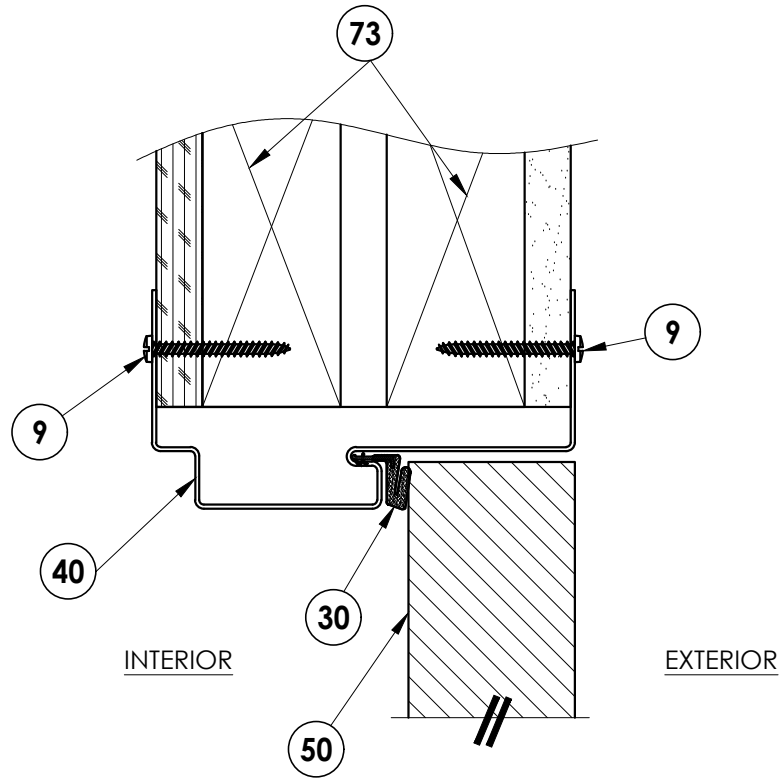
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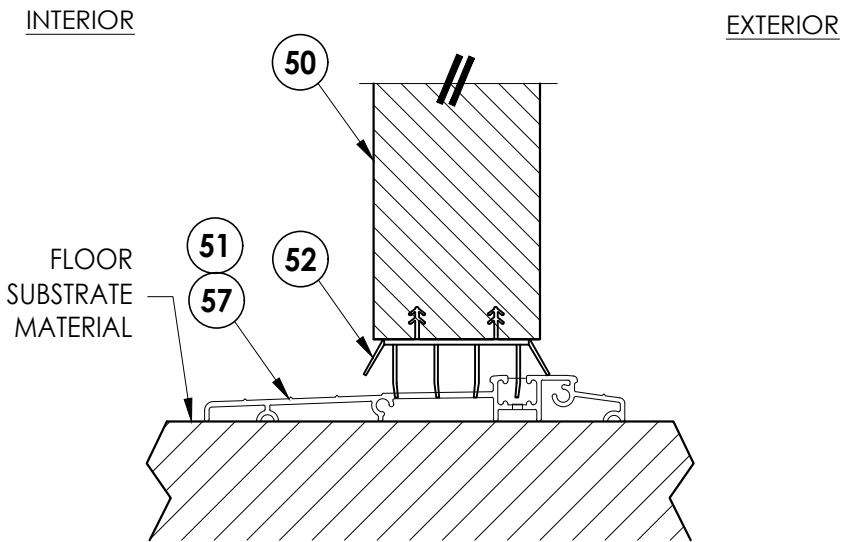
1 VERTICAL CROSS SECTION
5 Shown w/ wood buck
Outswing shown (Inswing similar)



2 VERTICAL CROSS SECTION
5 Outswing Sill



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



4 VERTICAL CROSS SECTION
5 Inswing Sill

Documents Prepared By:
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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:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		NO.	DATE	BY	
3	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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DATE: 3/30/15

SCALE: N.T.S.

DWG. BY: JK

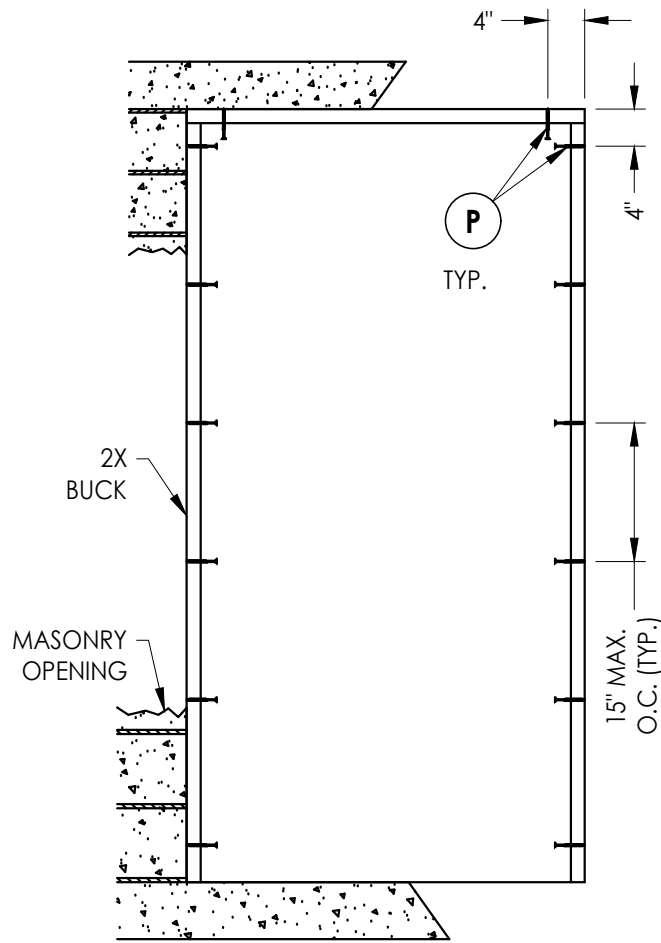
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DRAWING NO.:

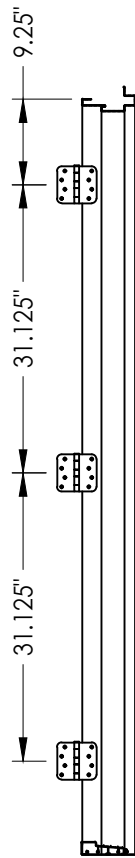
FL-15366.5

SHEET 5 OF 7

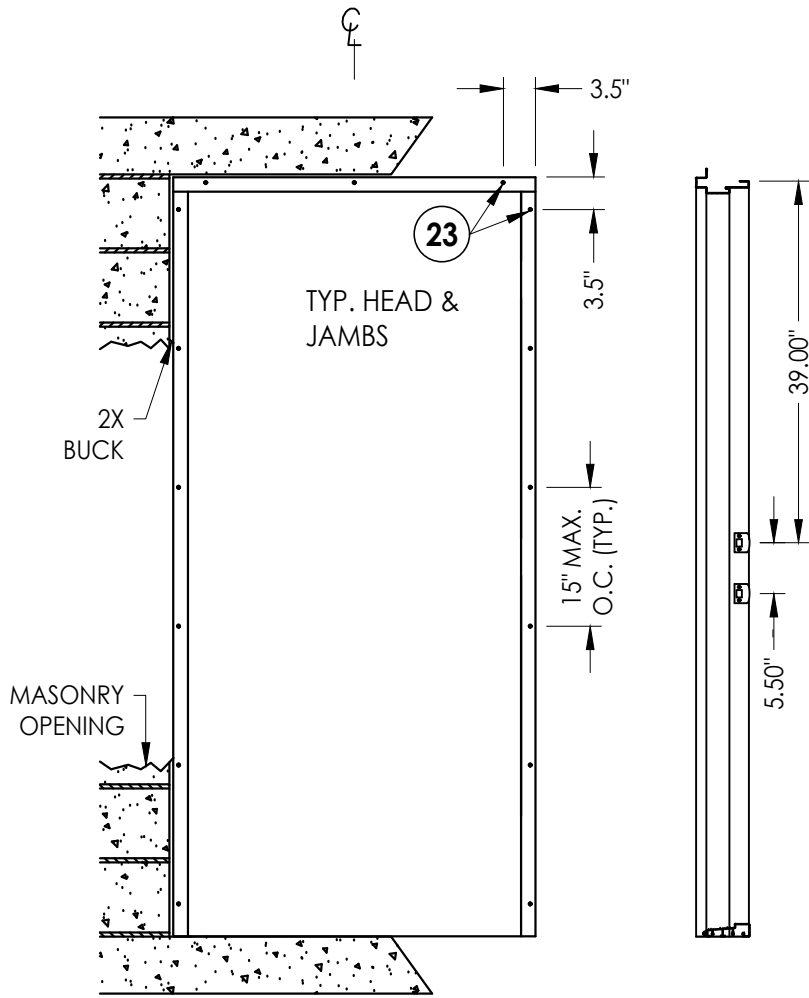
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BUCK ANCHORING

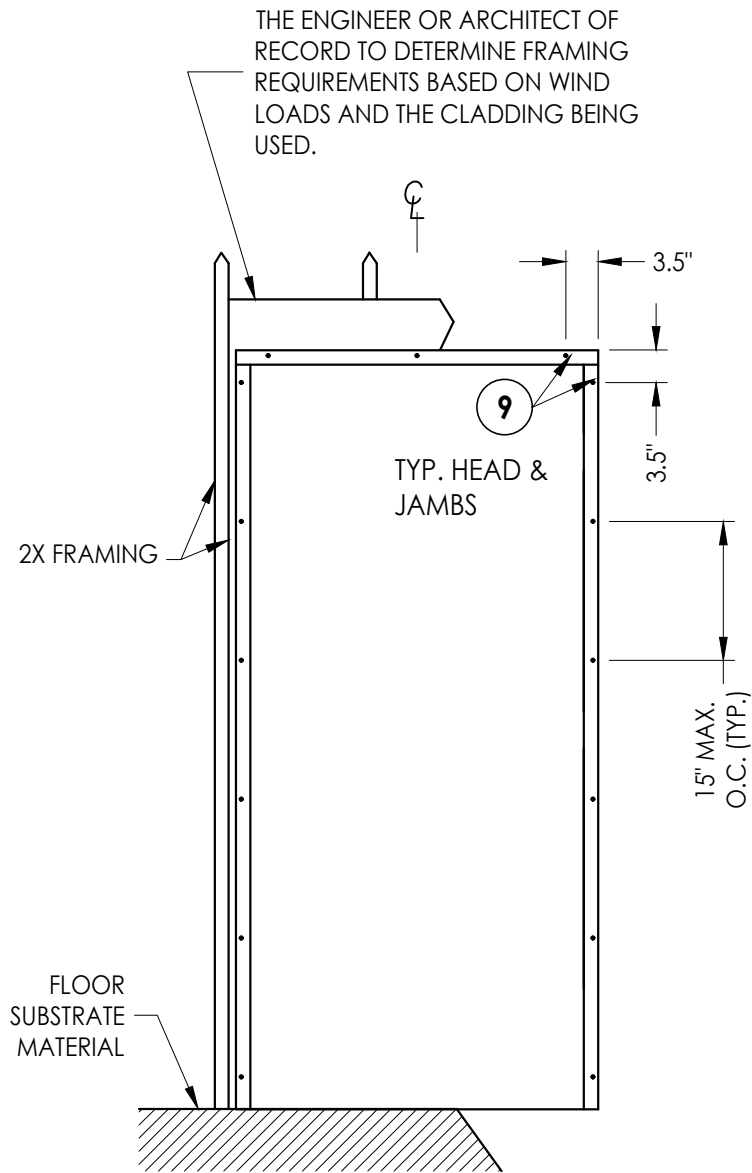


HINGE JAMB



FRAME ANCHORING
2X MASONRY

STRIKE JAMB



FRAME ANCHORING
STUD CONSTRUCTION

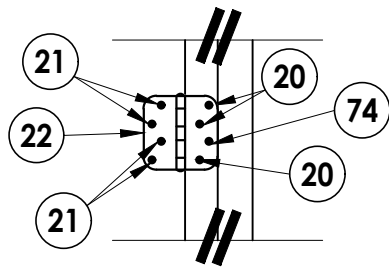
CONCRETE ANCHOR NOTES:

- 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:

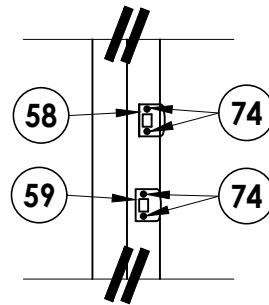
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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

Documents Prepared By:
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P.E. No. 43409

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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	REVISIONS
3	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/12/20	UPDATE TO 7TH ED. (2020) FBC DAC
1	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 3/30/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15366.5

SHEET 6 OF 7

