



868 MURRAY ROAD, DOTHAN, AL 36303

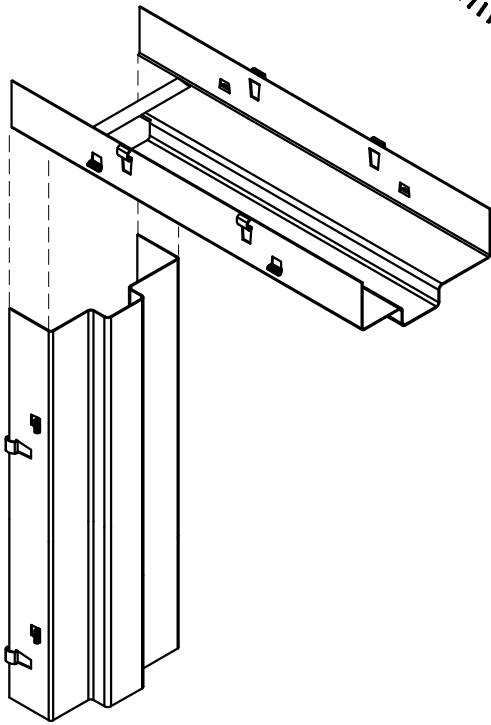
"REDIFRAME"
ONE-PIECE STEEL FRAME SYSTEM
UTILIZING A
TAYLOR OPAQUE STEEL DOOR PANEL
"IMPACT"

GENERAL NOTES

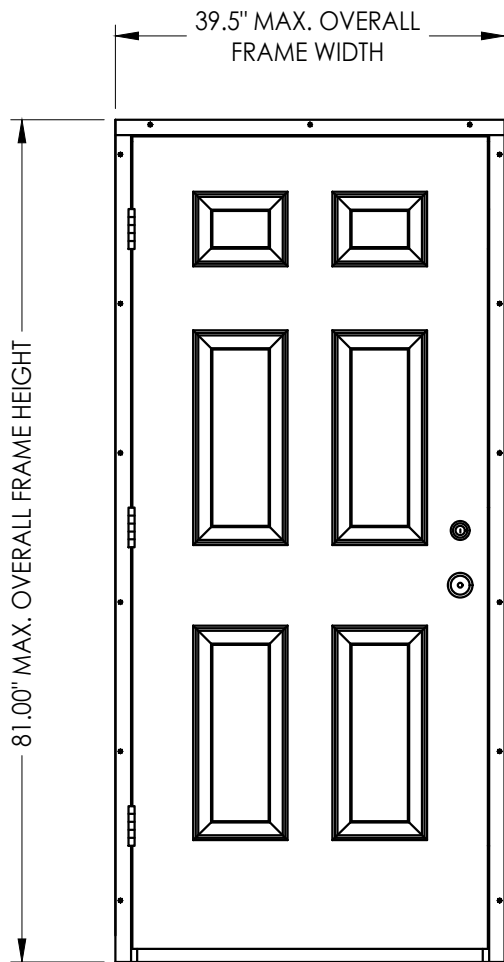
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Outswing configurations using high water dam threshold item #70 meet water infiltration requirements for "HVHZ".

Inswing configurations and outswing configurations using sill item #71 and #72 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
8. When used in the "HVHZ", steel shall be protected as specified in FBC Section 2222.6.

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 - 2X buck
7	Buck and frame anchoring - steel stud
8	Bill of materials and components

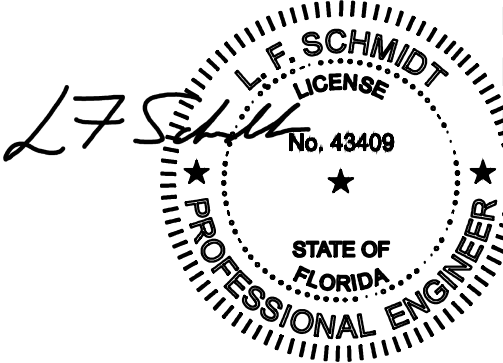


REDIFRAME ONE-PIECE



INSWING OR OUTSWING

OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
39.5" X 81.0"	+ 66.0	- 66.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.07.19
11:56:56 -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 ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

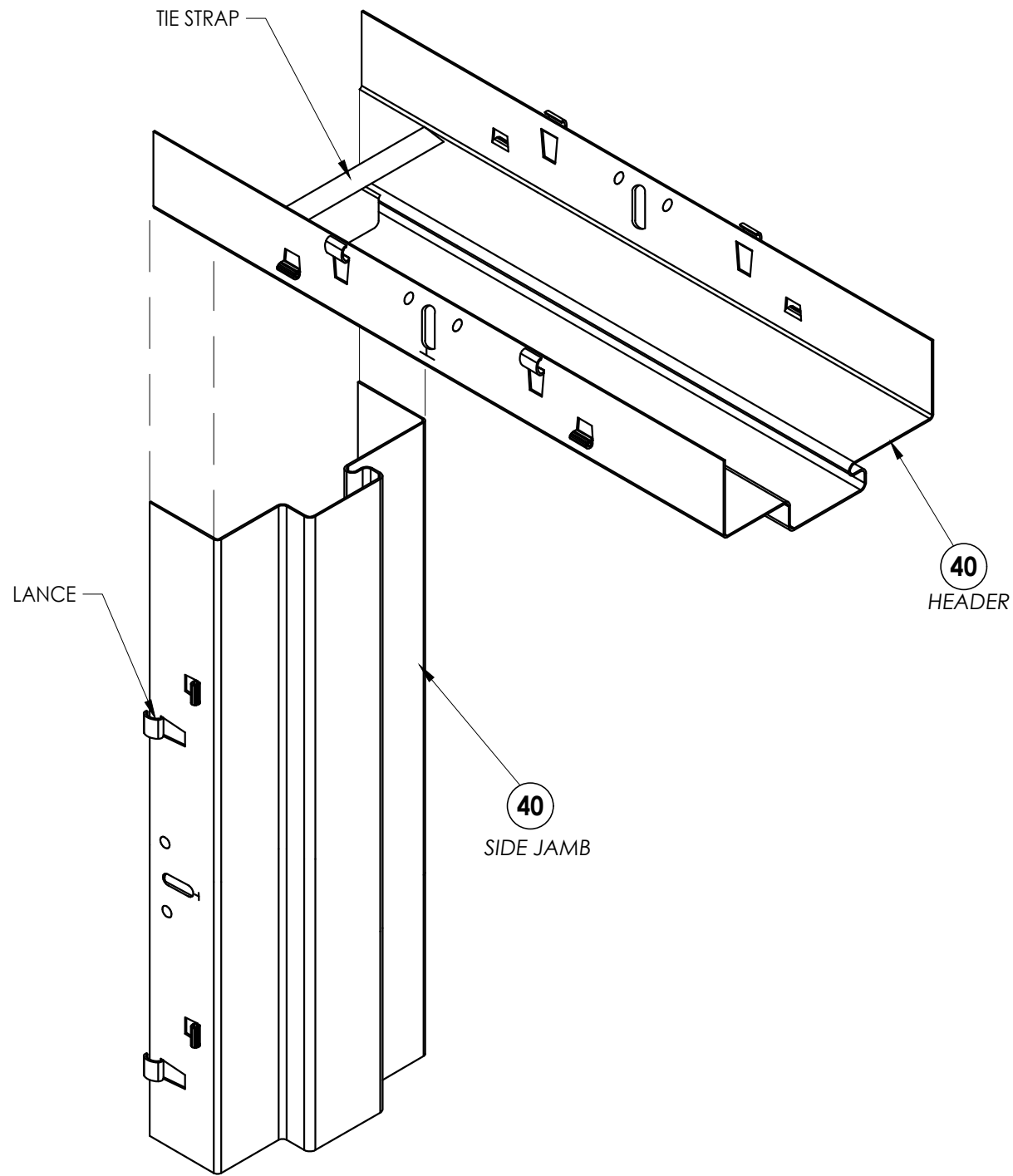
DRAWING NO.:
FL-15366.1

SHEET 1 OF 8

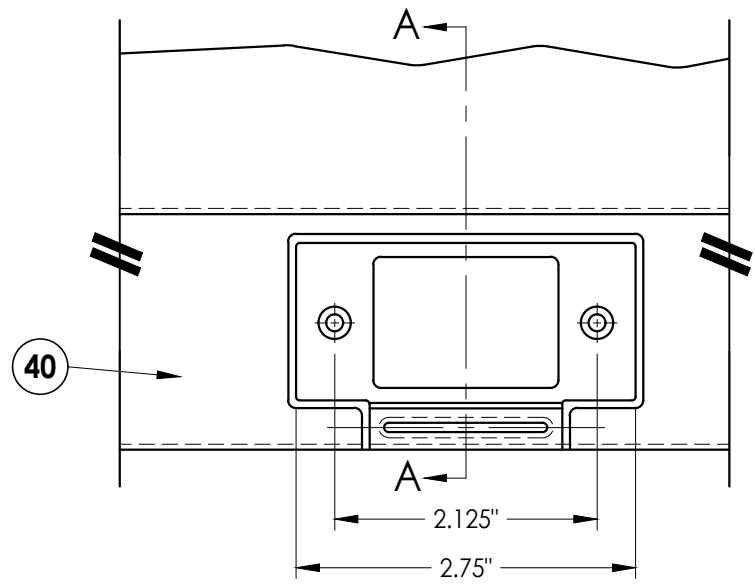
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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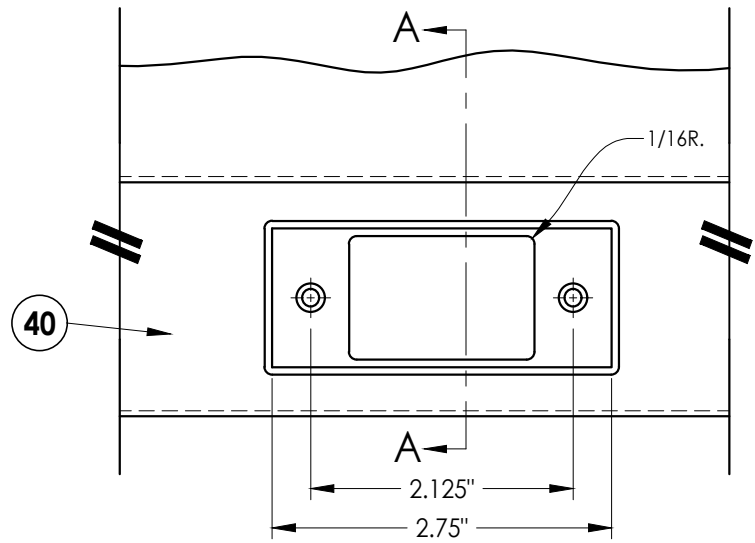
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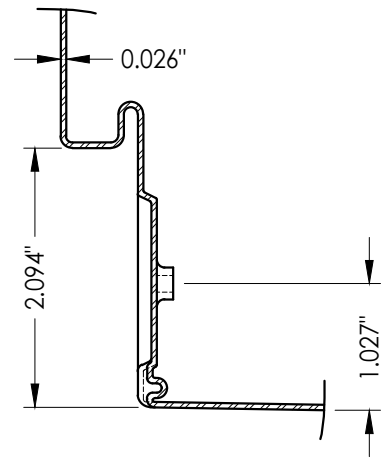
- NOTES:
1. HEADER AND SIDE JAMB MINIMUM 22 GA. STEEL.
 2. FRAME SHOWN WITHOUT OPTIONAL STEEL TRIM CASING.
 3. NON-KERF FRAMES DO NOT MEET AIR AND WATER CRITERIA.



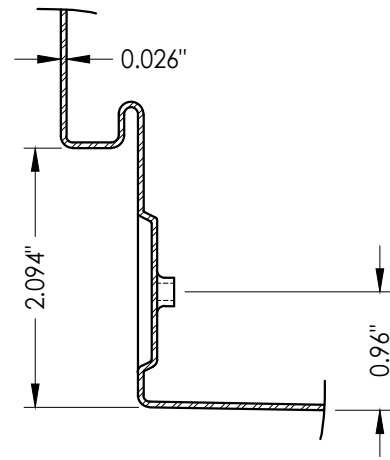
STRIKE AT LATCH



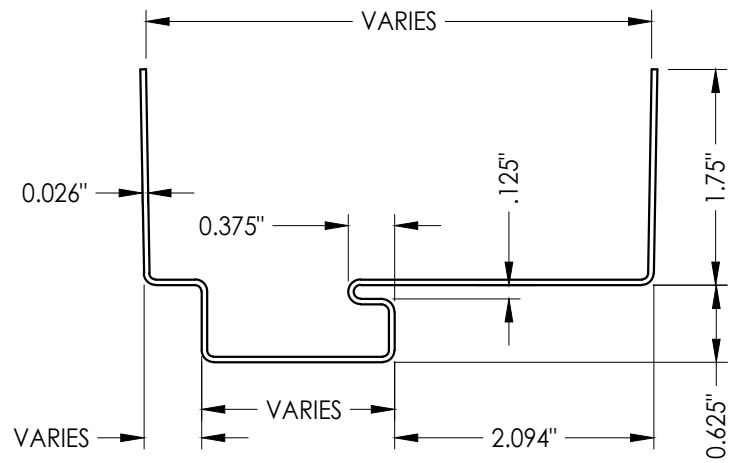
STRIKE AT DEADBOLT



SECTION A-A



SECTION A-A



REDIFRAME CORNER DETAIL

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

PART OR ASSEMBLY:
STEEL FRAME CROSS SECTION
& DETAILS

NO.	DATE	REVISIONS			
		BY	JK	LFS	DAC
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	

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

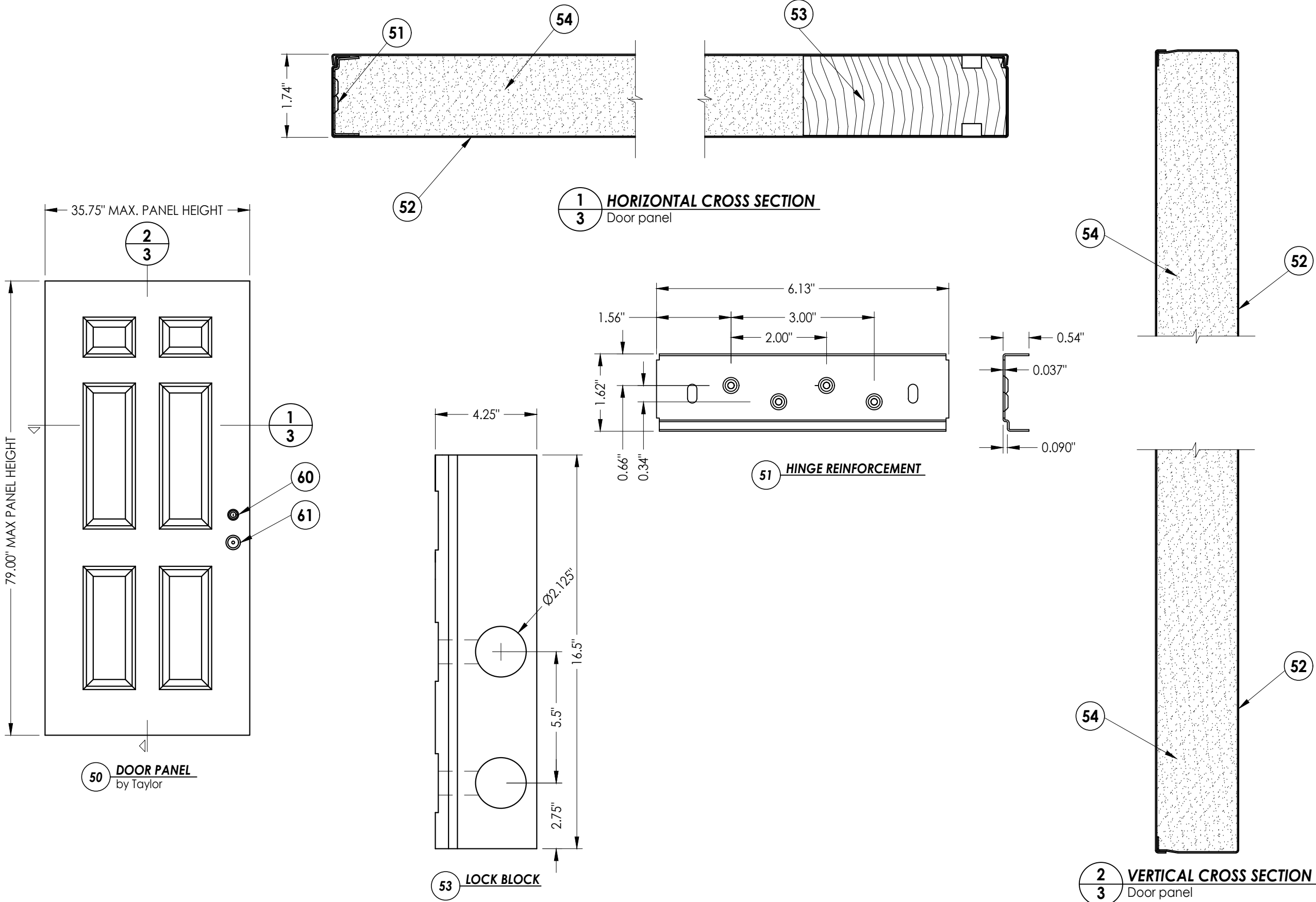
CHK. BY: LFS

DRAWING NO.:

FL-15366.1

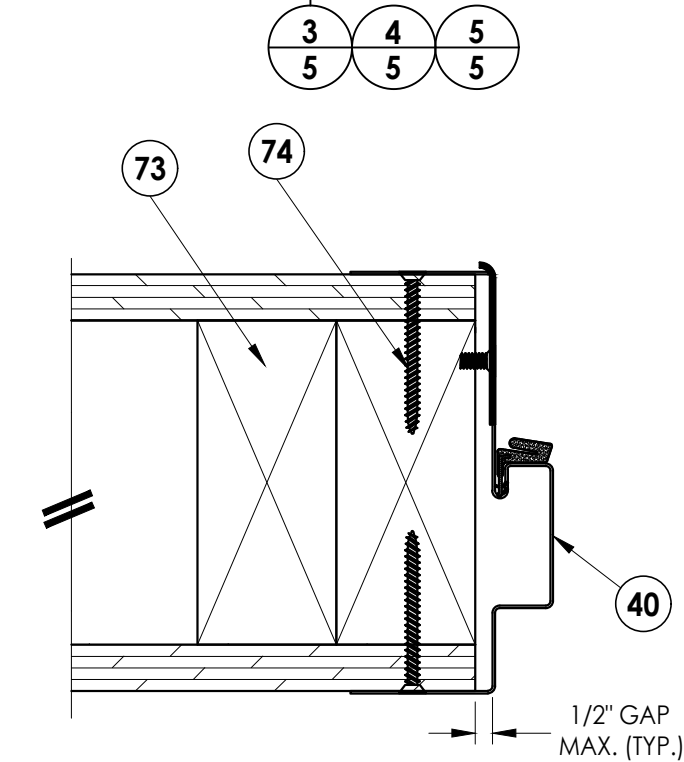
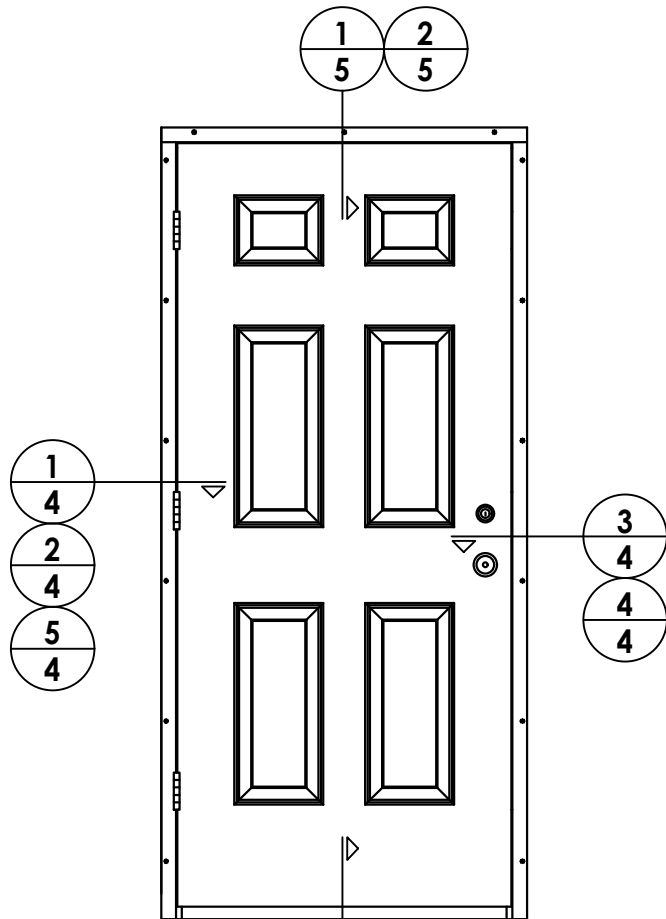
SHEET 2 OF 8

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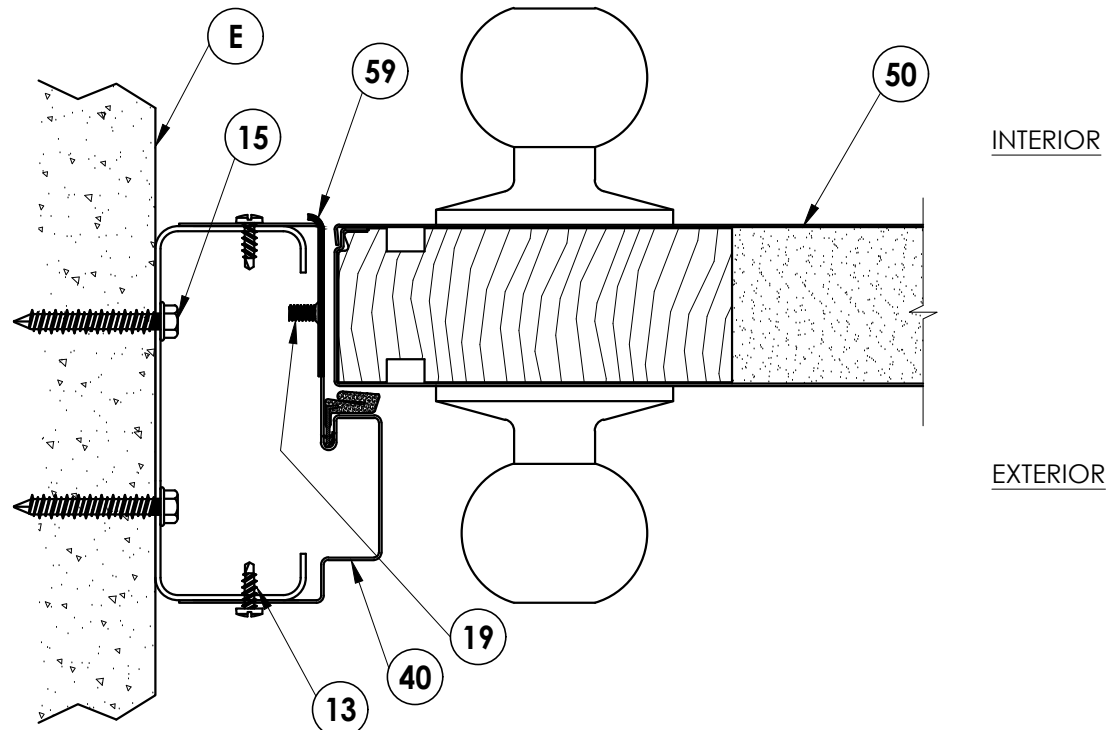


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: DUNBARTON REDIFRAME ONE-PIECE STEEL FRAME				PART OR ASSEMBLY: DOOR PANEL DETAILS			
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	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-15366.1							
SHEET 3 OF 8							

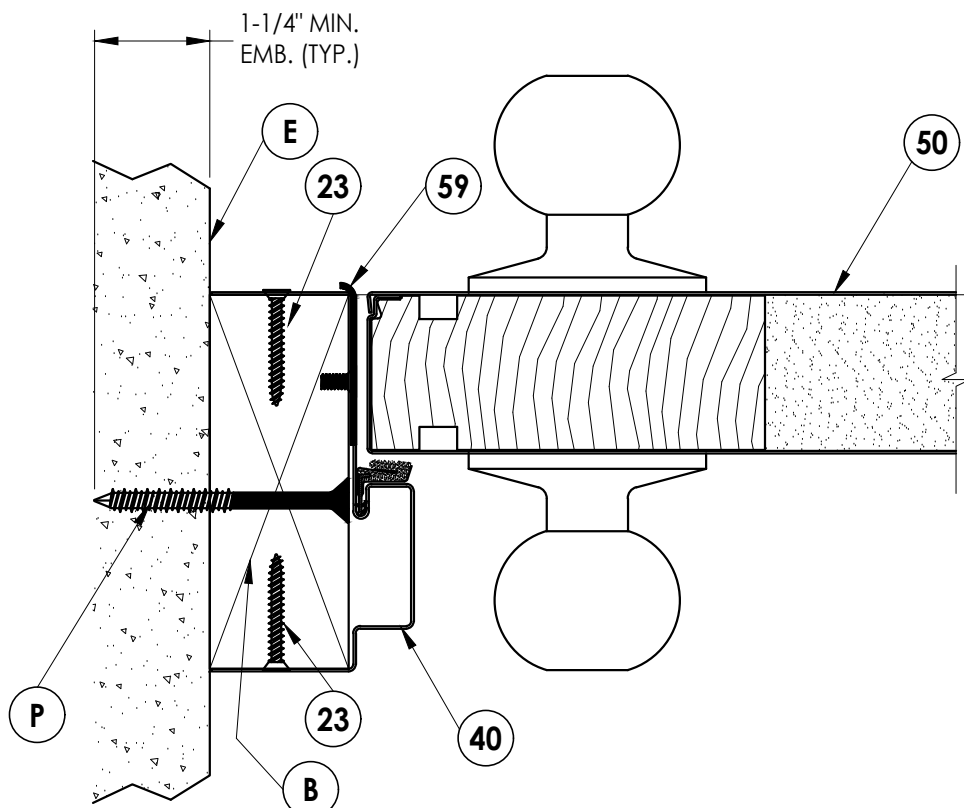
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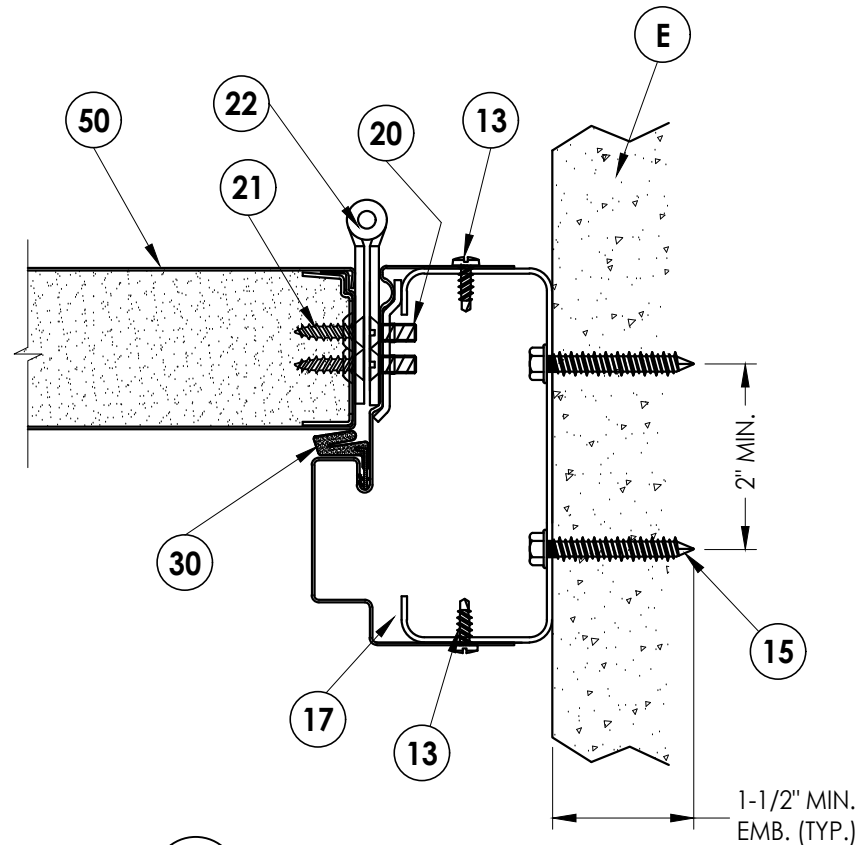
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4 **HORIZONTAL CROSS SECTION**
Optional 2X Stud Construction



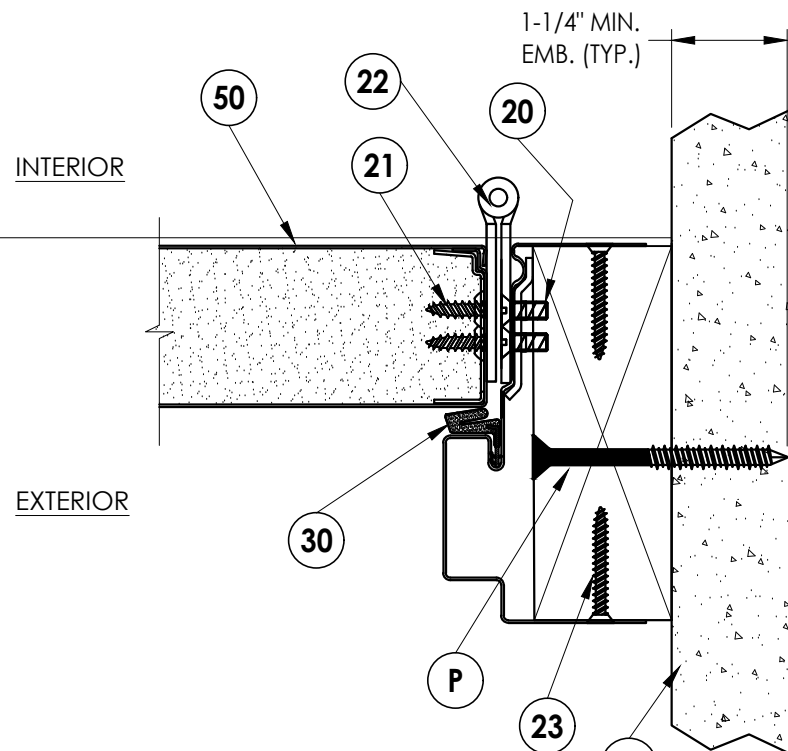
2
4 **HORIZONTAL CROSS SECTION**
Steel Stud Buck



1
4 **HORIZONTAL CROSS SECTION**



4
4 **HORIZONTAL CROSS SECTION**
Steel Stud Buck



3
4 **HORIZONTAL CROSS SECTION**

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS				
		DATE	BY	CHK	APP	DESCRIPTION
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		

DATE: 3/14/12

SCALE: N.T.S.

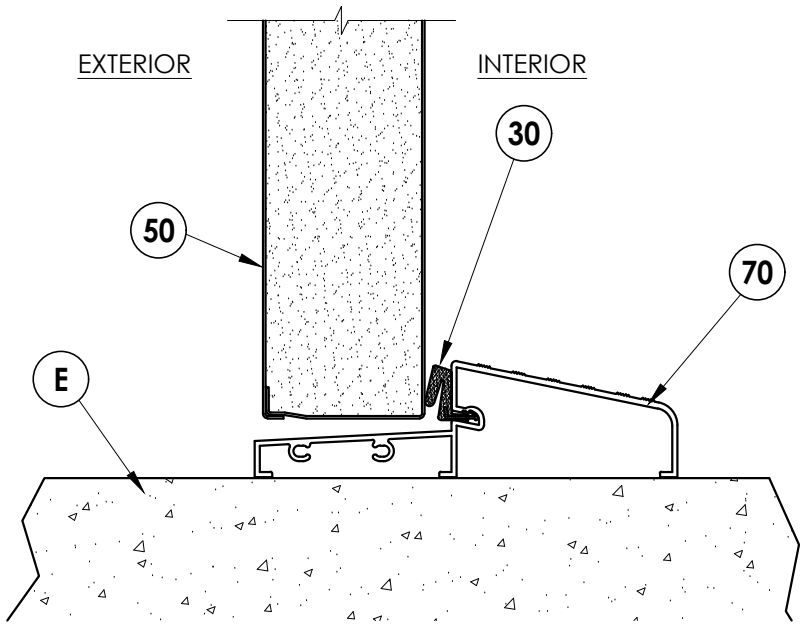
DWG. BY: JK

CHK. BY: LFS

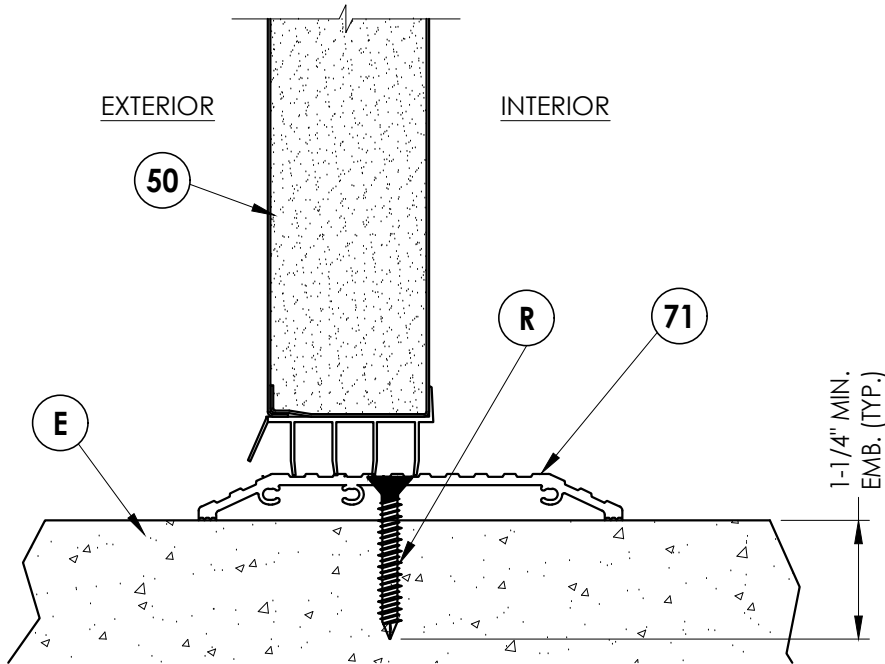
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SHEET 4 OF 8

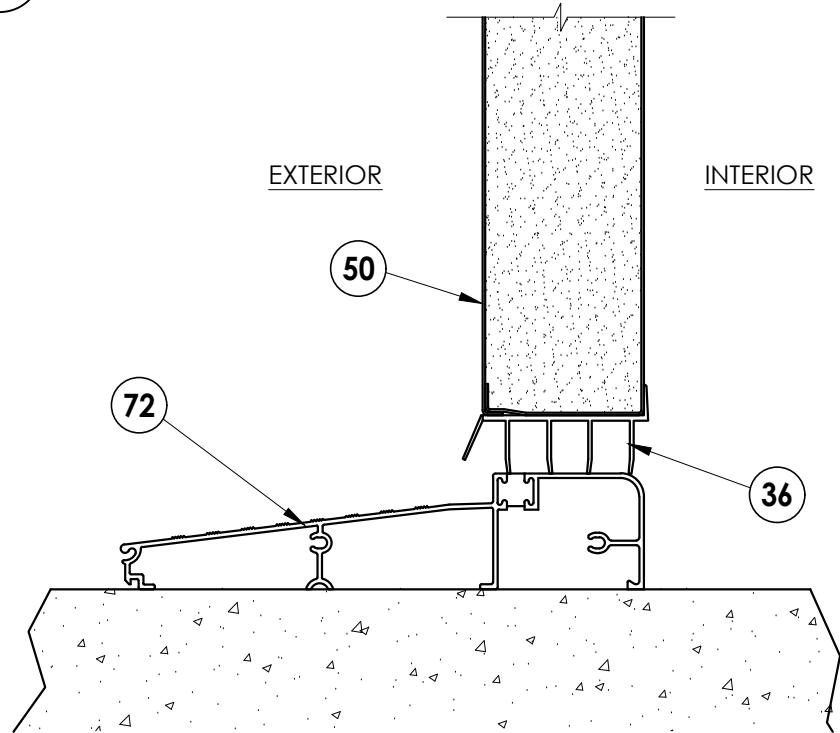
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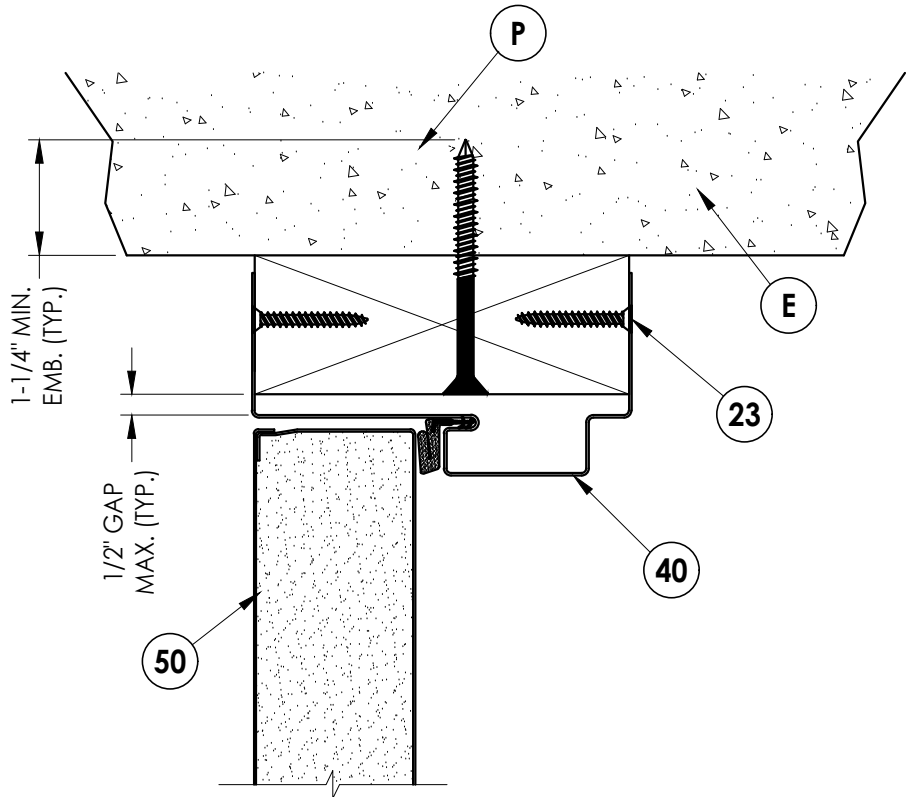
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5 **VERTICAL CROSS SECTION**
Outswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements



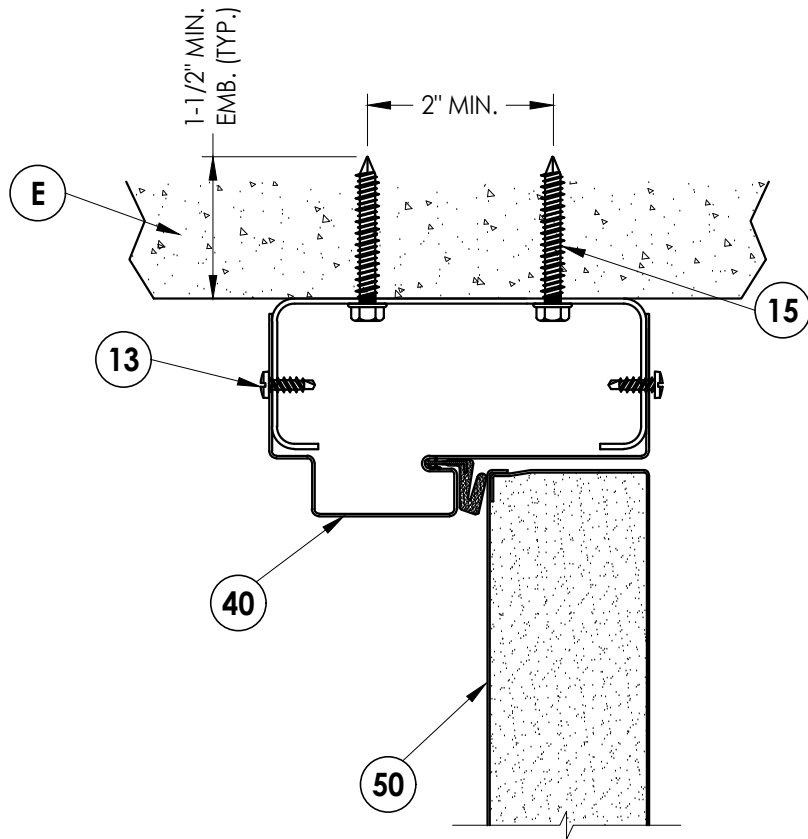
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5 **VERTICAL CROSS SECTION**
Inswing configuration
see general notes, sheet 1
for "HVHZ" Water infiltration
requirements



5
5 **VERTICAL CROSS SECTION**
Inswing configuration
see general notes, sheet 1
for "HVHZ" Water infiltration
requirements



1
5 **VERTICAL CROSS SECTION**
SHOWN W/ WOOD BUCK



2
5 **VERTICAL CROSS SECTION**
SHOWN W/ STEEL BUCK

REVISIONS	
NO.	DATE
4	7/06/23
3	8/12/20
2	9/29/17
1	3/24/15

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15366.1

SHEET 5 OF 8

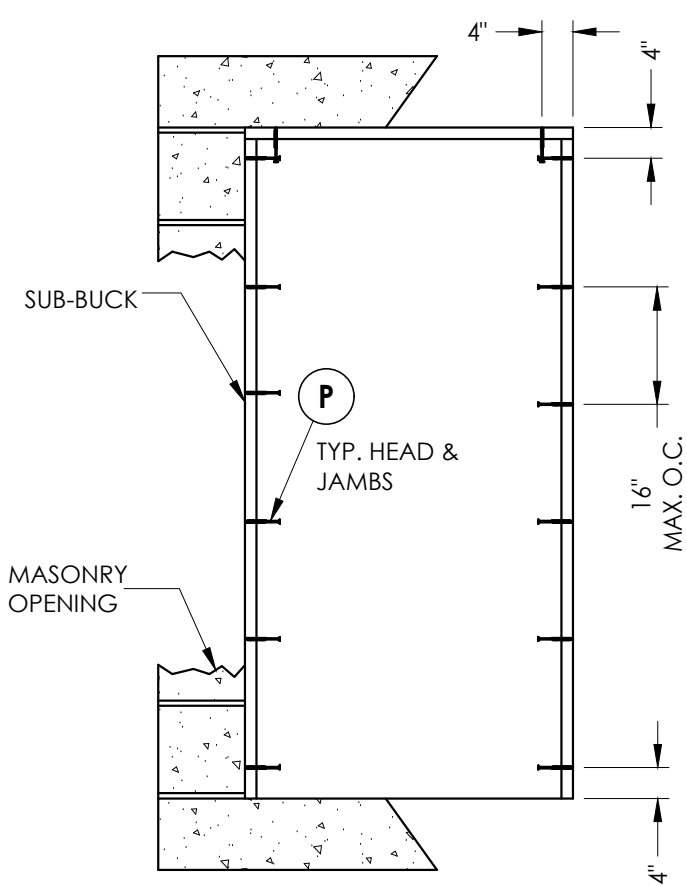
PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

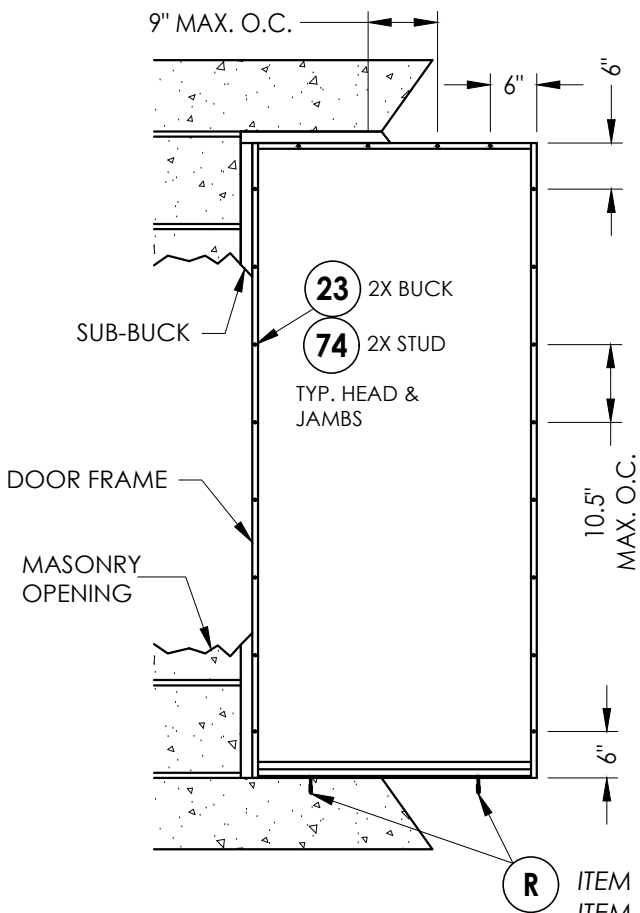
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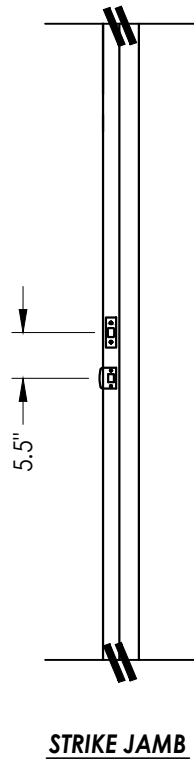


BUCK ANCHORING
2X wood buck

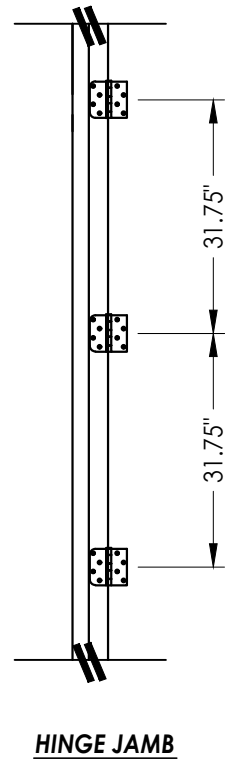


FRAME ANCHORING
Masonry 2X buck construction

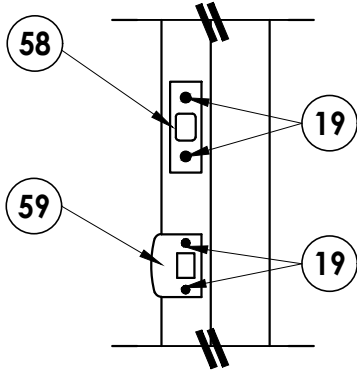
ITEM #R IS USED ONLY WHEN
ITEM #71, THE ADA THRESHOLD
IS USED



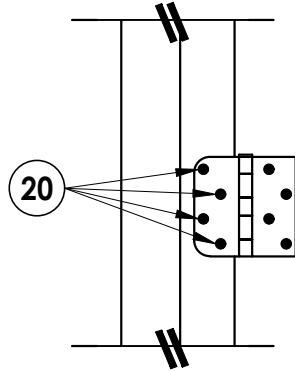
STRIKE JAMB



HINGE JAMB



STRIKE PLATE DETAIL



HINGE DETAIL 1

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.

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FBPE Registry No. 9813

PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING
2X BUCK

NO.	DATE	REVISIONS
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

DATE: 3/14/12

SCALE: N.T.S.

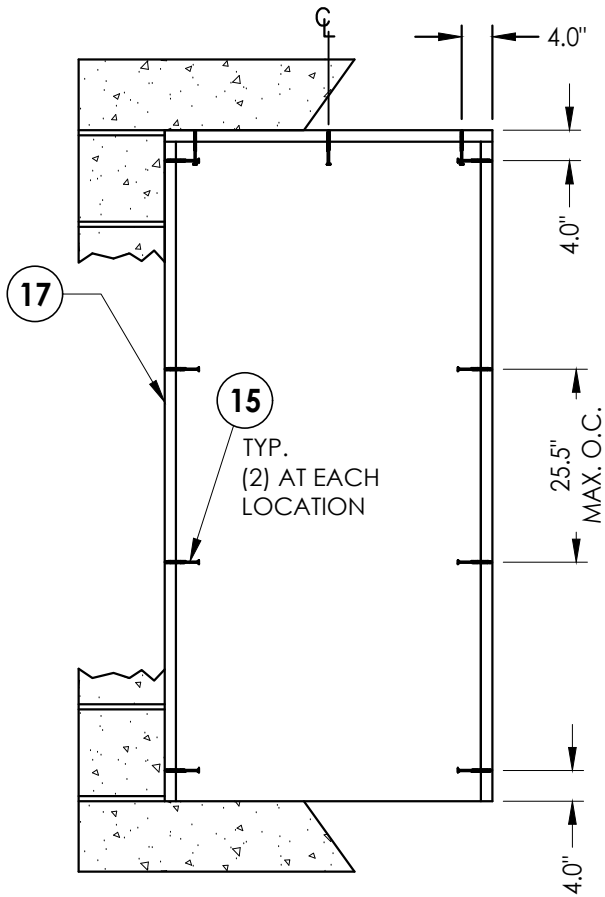
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15366.1

SHEET 6 OF 8

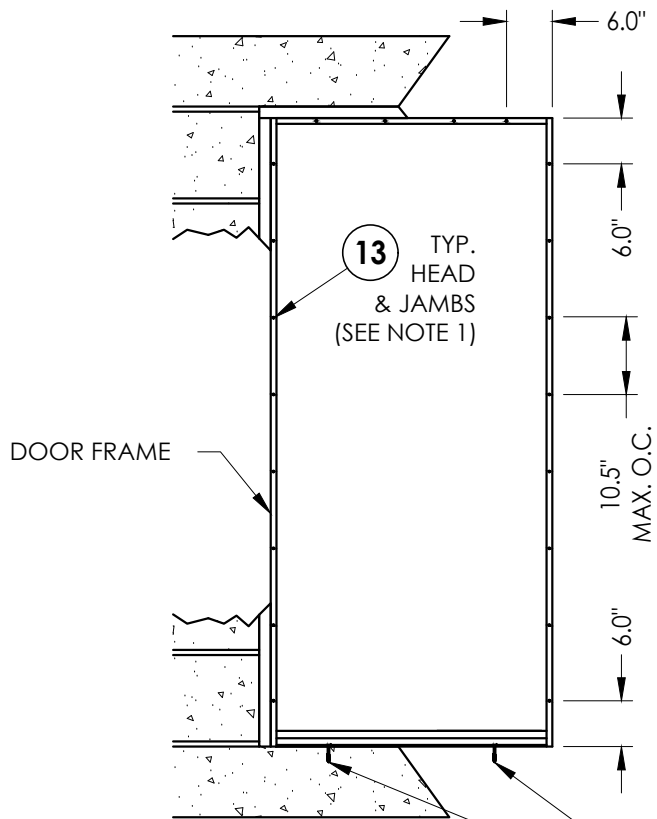
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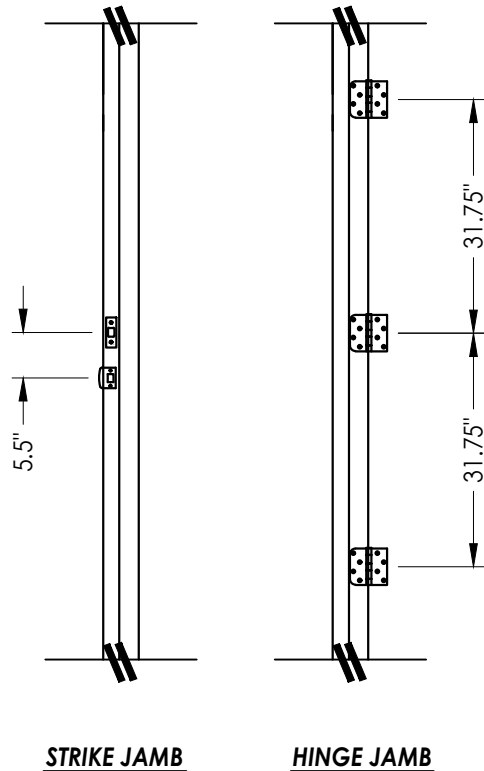
BUCK ANCHORING
steel stud

NOTE:

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



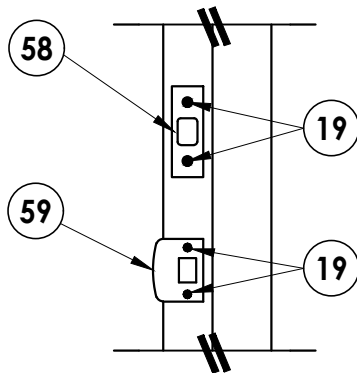
FRAME ANCHORING
Masonry steel buck construction



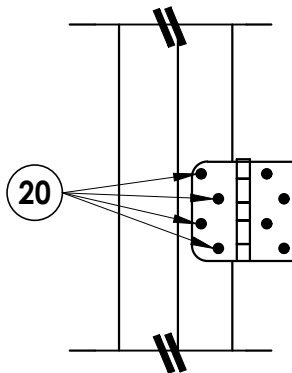
STRIKE JAMB

HINGE JAMB

R ITEM #R IS USED ONLY WHEN
ITEM #71, THE ADA THRESHOLD
IS USED



STRIKE PLATE DETAIL



HINGE DETAIL 1

CONCRETE ANCHOR NOTES:

- Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
- 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.
- 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)

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
DUNBARTON REDIFRAME
ONE-PIECE STEEL FRAME

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
STEEL STUD

NO.	DATE	REVISIONS
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

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15366.1

SHEET 7 OF 8

