

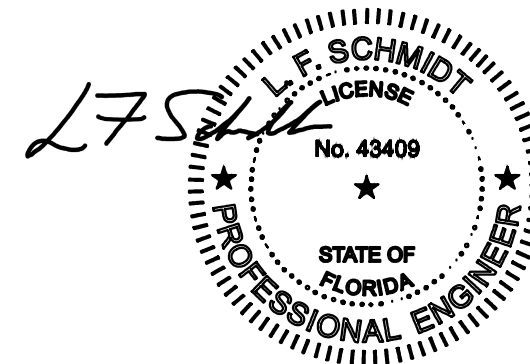
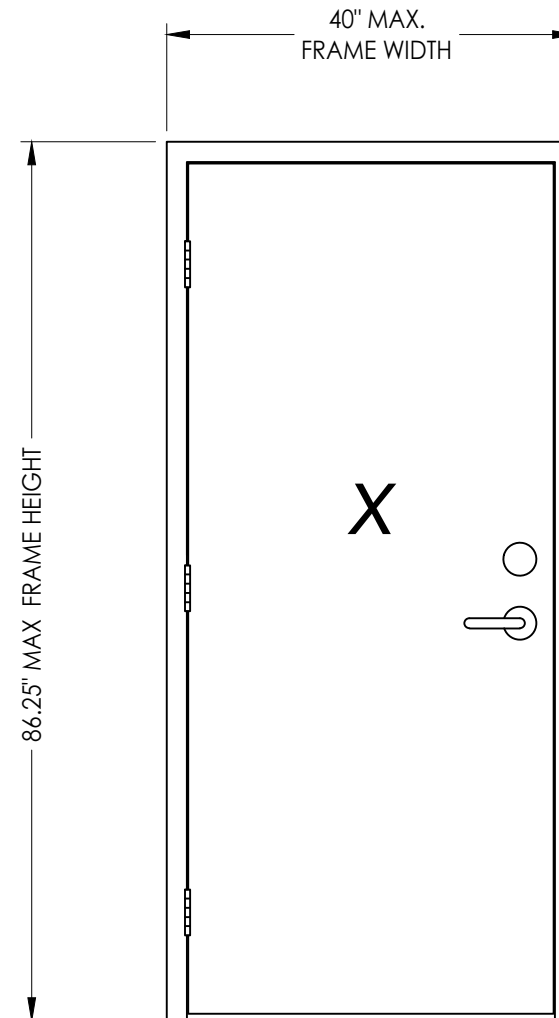


868 MURRAY ROAD, DOTHAN, AL 36303

"REDIFRAME PD"
HOLLOW METAL FRAME
INSWING/OUTSWING
"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 Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product does 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.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6



Digitally signed by Lyndon F Schmidt
Date: 2023.07.19 11:13:13 -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

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

MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
40.0" X 86.25"	+65.0	-65.0	+65.0	-65.0

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

PRODUCT: DUNBARTON

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

1

7/06/23

DATE

UPDATE TO 8TH ED. (2023) FBC

NO.

BY

REVISIONS

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

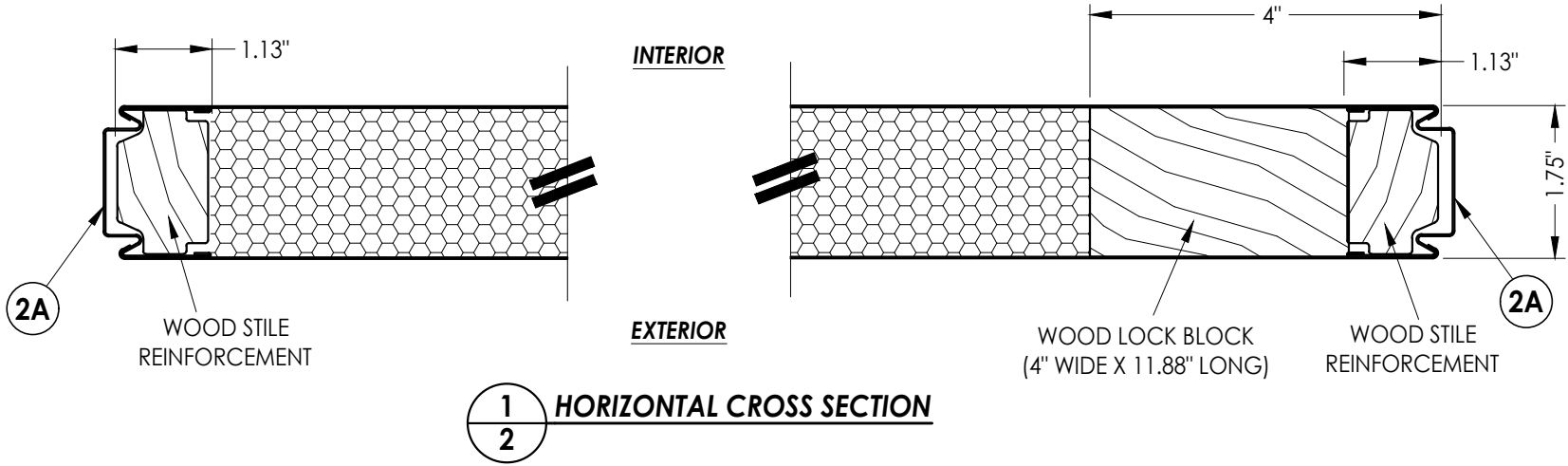
DRAWING NO.: FL-9231.5

SHEET 1 OF 7

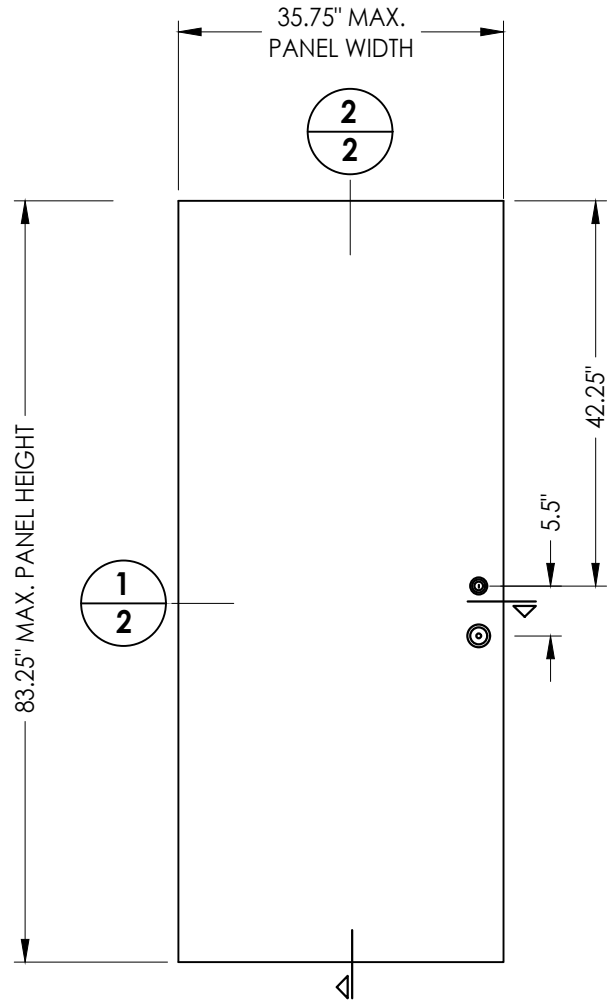
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

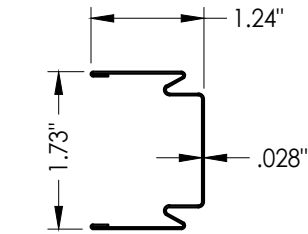
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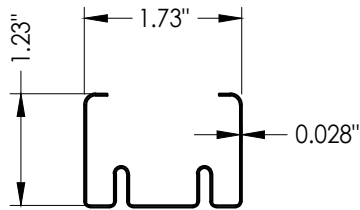
HORIZONTAL CROSS SECTION



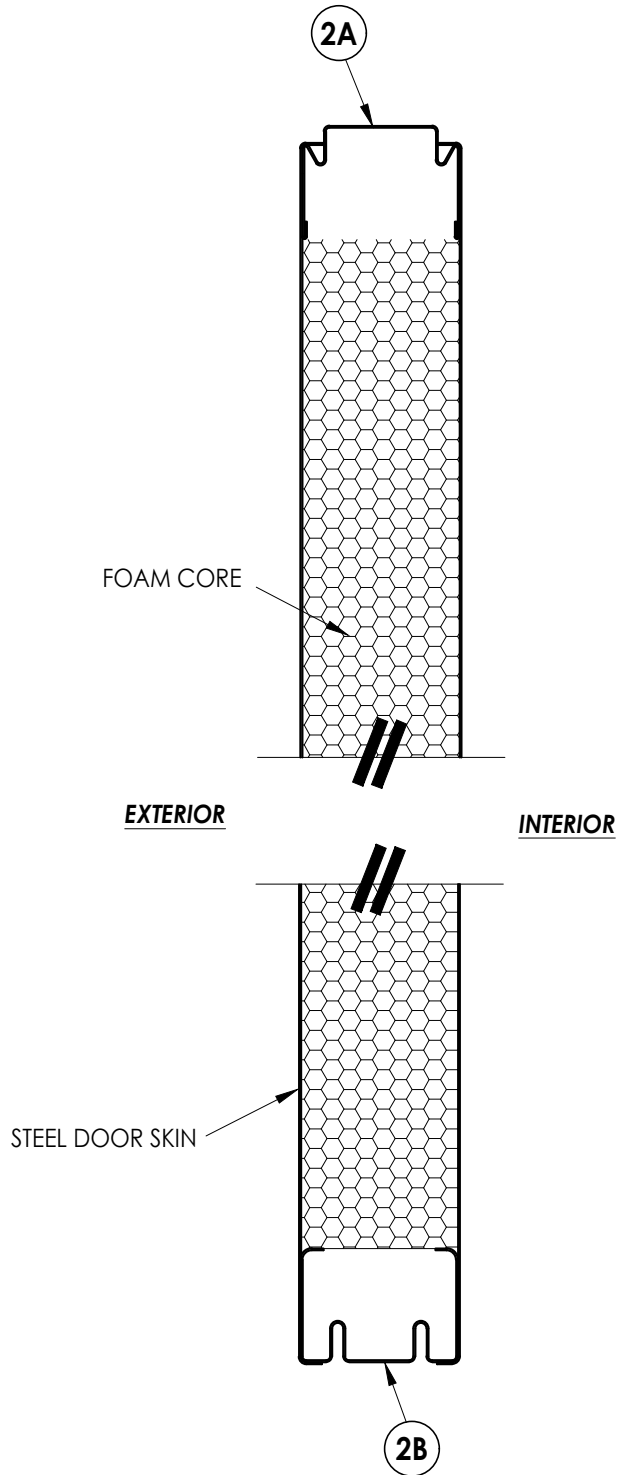
7'-0" STEEL DOOR PANEL
JELD-WEN



STILE & RAIL
Steel



BOTTOM RAIL
Steel



VERTICAL CROSS SECTION

DOOR SKIN: 0.022" MIN. THK. GALV. STEEL (Fy = 31,300 PSI MIN.)
FOAM CORE: POLYSTYRENE

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PRODUCT:
DUNBARTON

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	REVISIONS
1	7/06/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

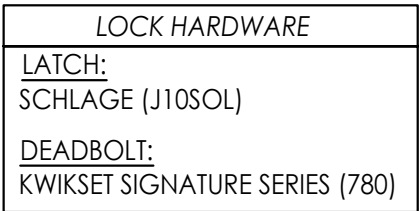
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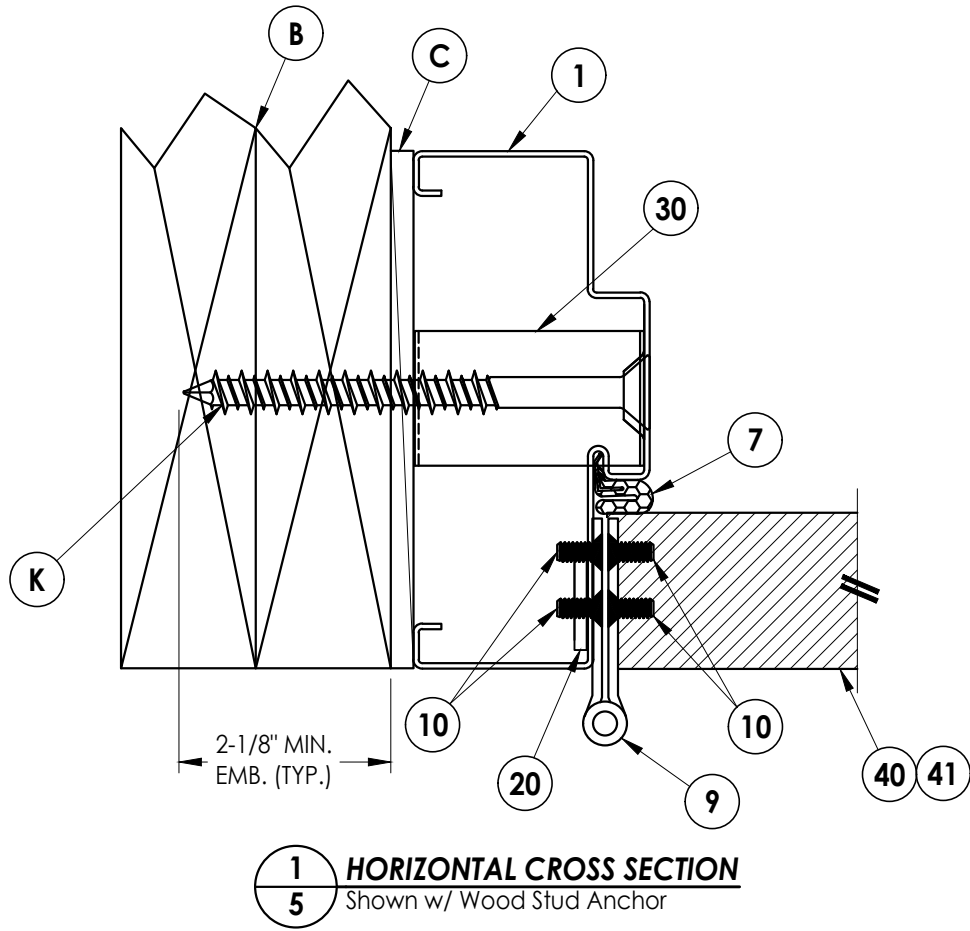
SHEET 2 OF 7

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Documents Prepared By:
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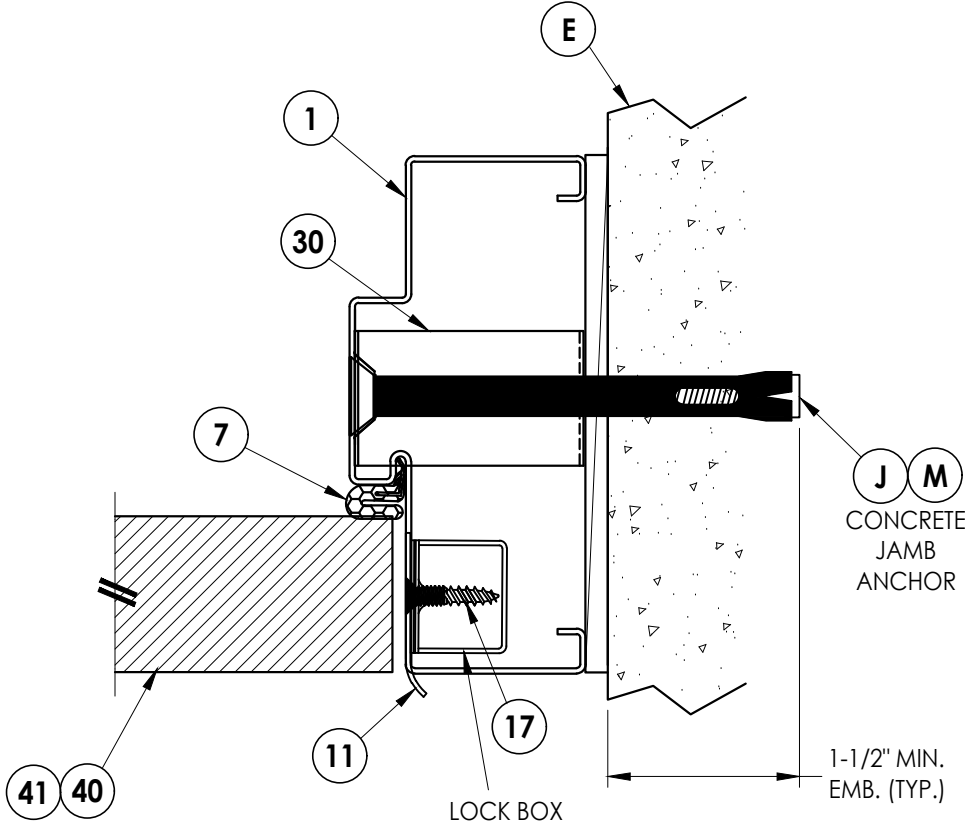
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1
5 **HORIZONTAL CROSS SECTION**
Shown w/ Wood Stud Anchor

EXTERIOR

INTERIOR



2
5 **HORIZONTAL CROSS SECTION**
Shown w/ Concrete Jamb Anchor

DATE: 10/13/20	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-9231.5	
SHEET 5	OF 7

NO.	DATE	UPDATE TO	8TH ED. (2023)	FBC	LFS
1					

REVISIONS					
NO.	DATE	BY			

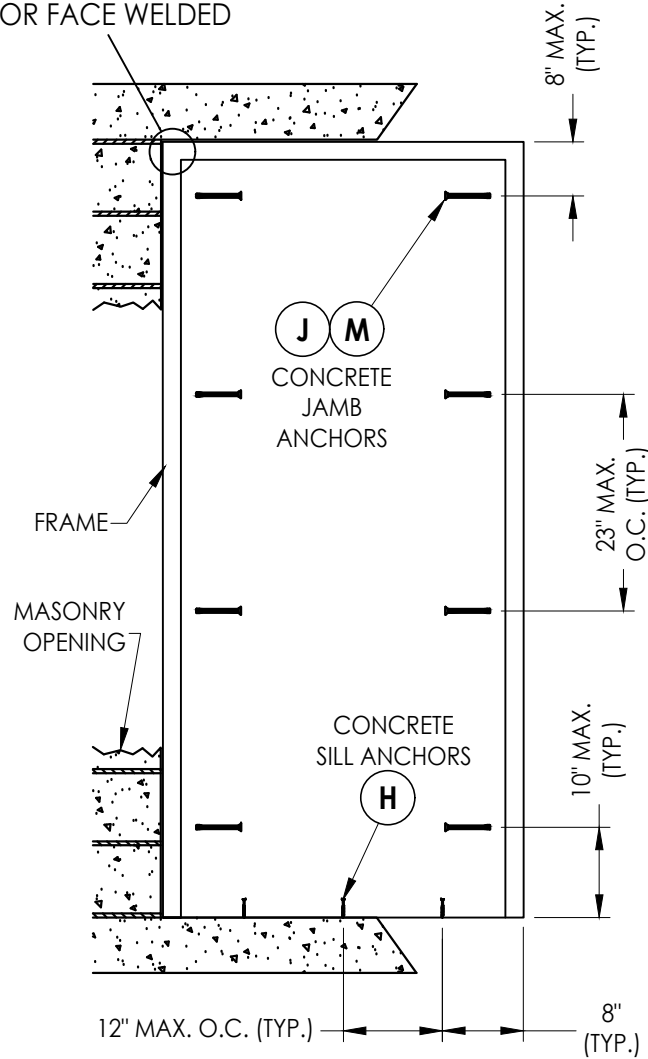
PRODUCT: DUNBARTON	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	

Documents Prepared By:
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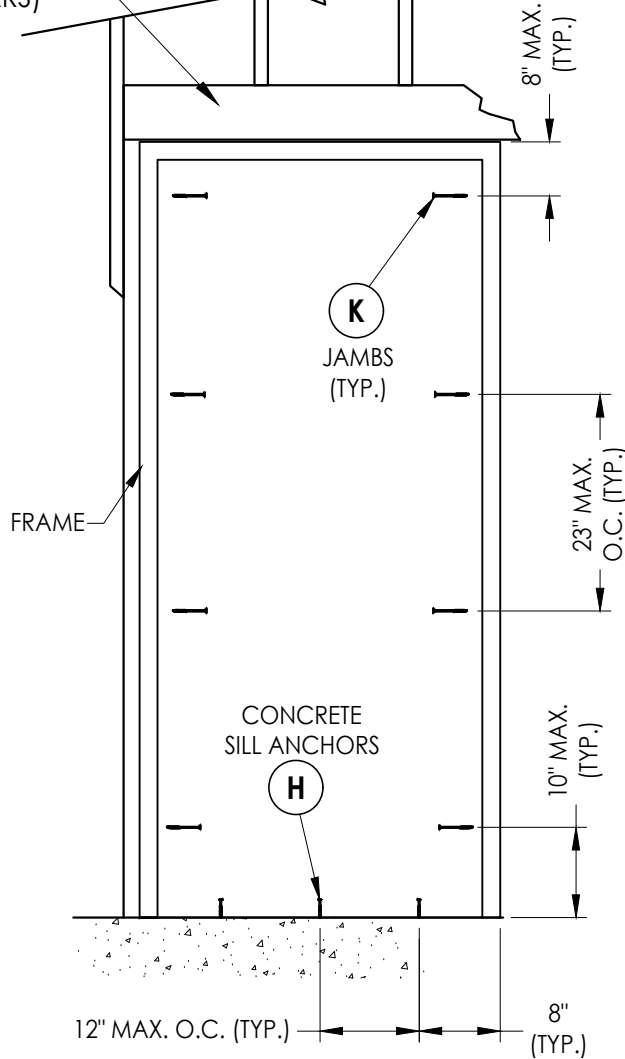
FRAME CORNER:
KNOCK DOWN TABS
OR FACE WELDED



FRAME ANCHORING

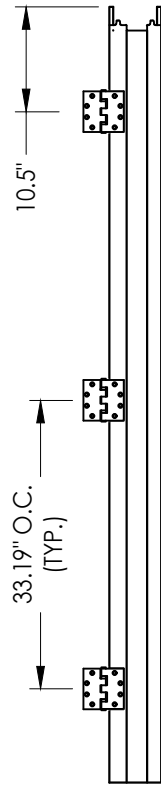
Masonry Construction
Concrete Anchors

WOOD STUD FRAMING
(BY OTHERS)

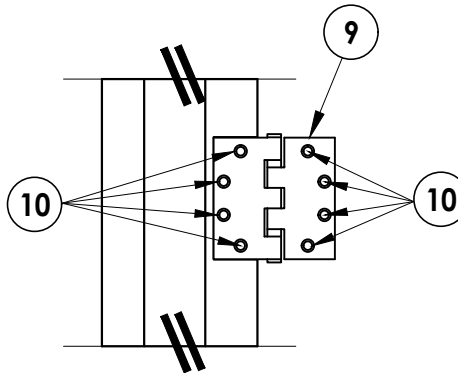


FRAME ANCHORING

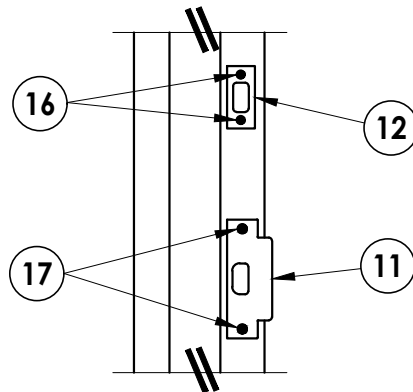
Wood Stud



HINGE JAMB



HINGE DETAIL



STRIKE DETAIL
Latch & Deadbolt

CONCRETE ANCHOR NOTES:

- Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	JAMBS	3/8"	LDT TAPCON® (ITW BUILDEX)	3"	1-1/2"
	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"

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PRODUCT:
DUNBARTON

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
1	7/06/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

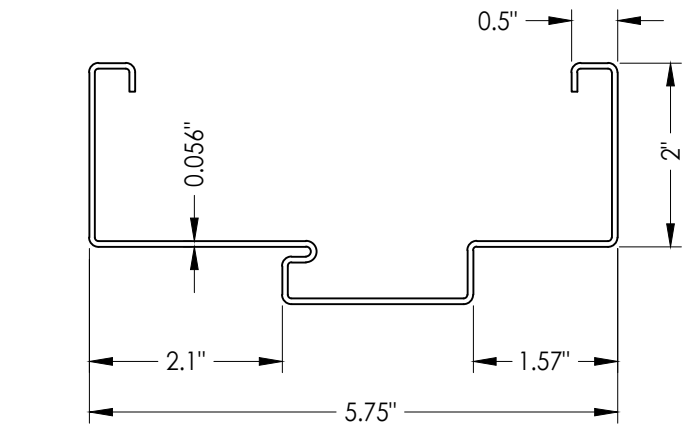
CHK. BY: LFS

DRAWING NO.:

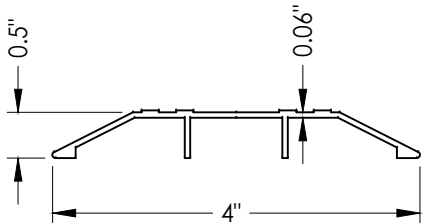
FL-9231.5

SHEET 6 OF 7

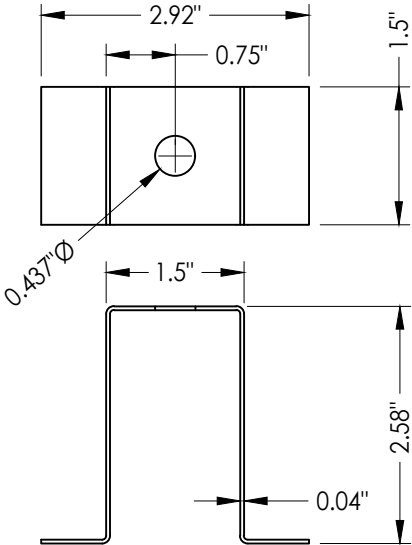
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 2-1/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" X 5" PFH DYNABOLT SLEEVE ANCHOR (SEE CONCRETE ANCHOR TABLE)	STEEL
K	3/8" X 5" FH LAG SCREW (2-1/8" MIN. EMBEDMENT)	STEEL
M	3/8" X 5" LDT TAPCON CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
1	HOLLOW METAL FRAME	STEEL
5	ADA THRESHOLD	ALUM
7	WEATHERSTRIP	-
8	DOOR SWEEP	-
9	HINGE 4" X 4"	STEEL
10	#12-24 X 1/2" FH MACHINE SCREW	STEEL
11	LATCH STRIKE PLATE	STEEL
12	DEADBOLT STRIKE PLATE	STEEL
16	#8 X 3/4" FH SCREWS	STEEL
17	#12 X 1" FH SCREWS	STEEL
18	#12 X 1-1/8" PH SMS	STEEL
20	HINGE REINFORCEMENT (12 GA.)	STEEL
30	EXPANSION ANCHOR BRACKET(18 GA)	STEEL
40	STEEL DOOR PANEL (7'-0" DOOR JELD-WEN)	STEEL
41	STEEL DOOR PANEL (7'-0" DOOR MASONITE)	STEEL



1 HOLLOW METAL FRAME
16 GA. GALV. STEEL



5 **ADA THRESHOLD**
DLP ISHC



30 EXPANSION ANCHOR

[illegible]