

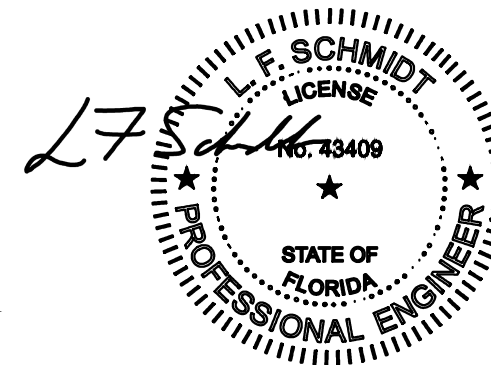
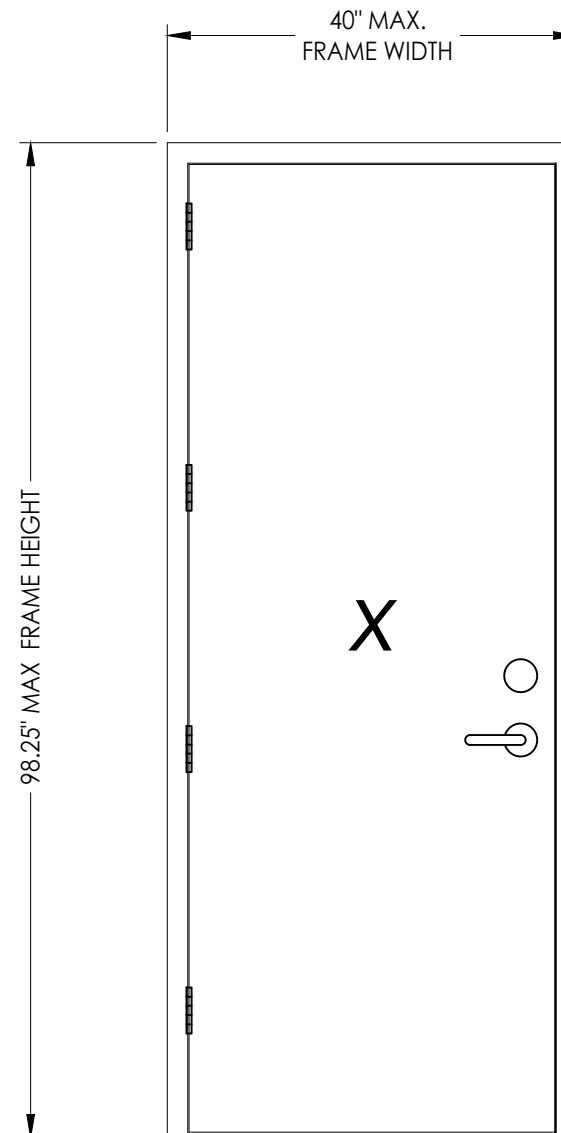


868 MURRAY ROAD, DOTHAN, AL 36303

"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 11:12:24 -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 98.25"	+55.0	-55.0	+55.0	-55.0

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

PRODUCT: DUNBARTON

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-9231.6

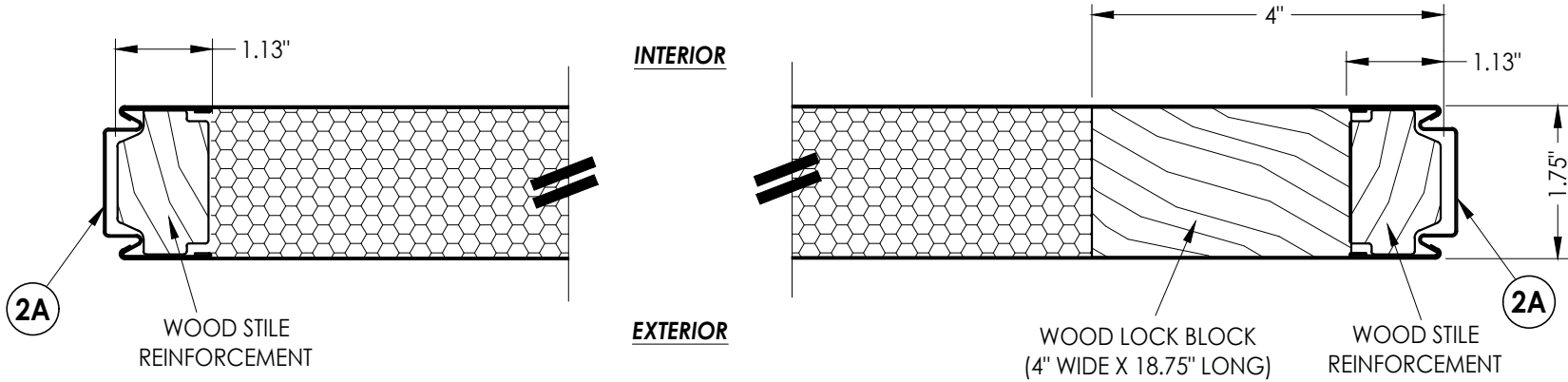
SHEET 1 OF 7

Part or Assembly:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

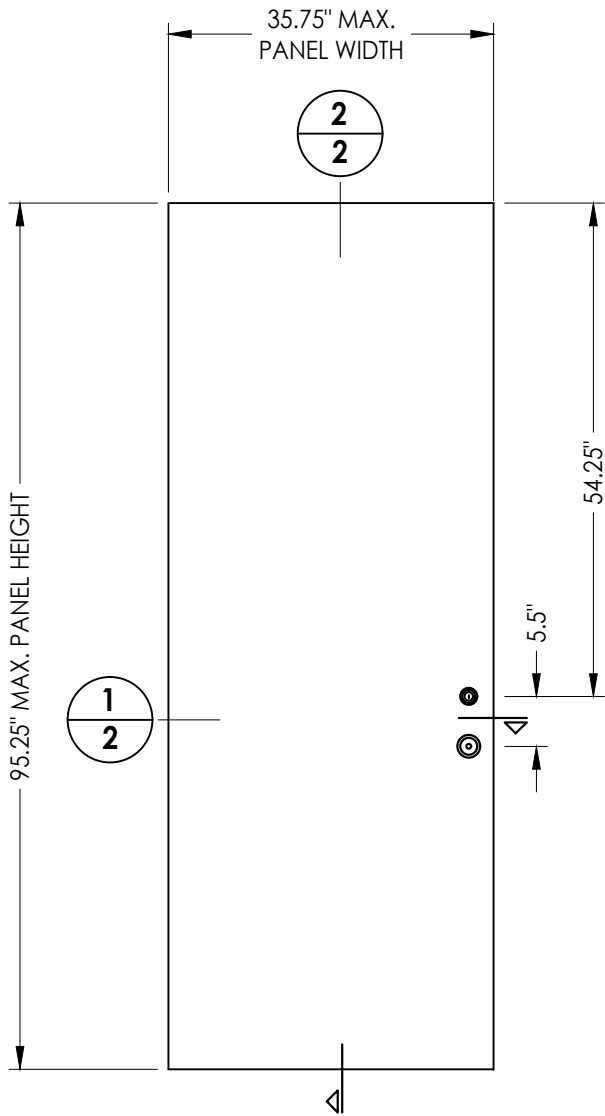
REVISIONS

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

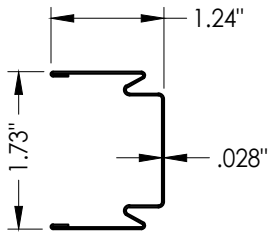
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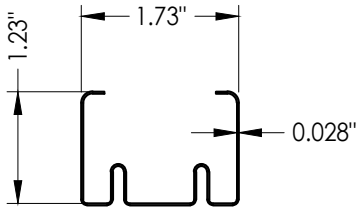
1
2 **HORIZONTAL CROSS SECTION**



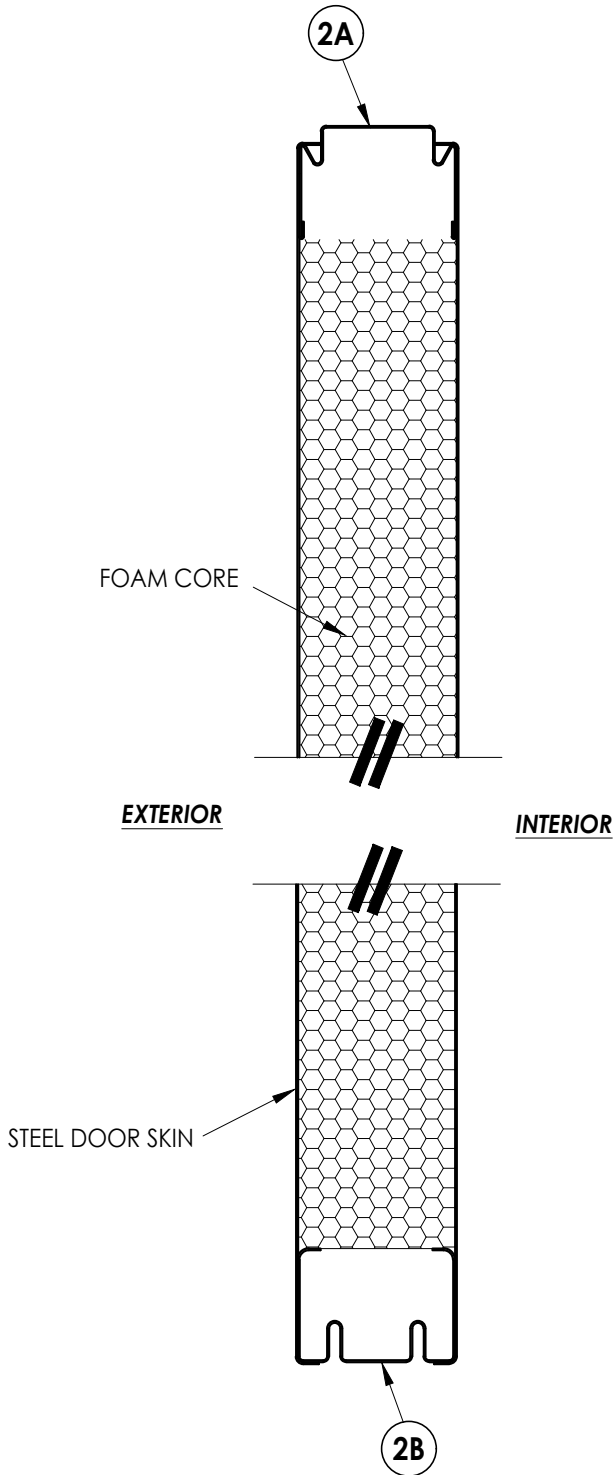
40 **8'-0" STEEL DOOR PANEL**
JELD-WEN



2A **STILE & RAIL**
Steel



2B **BOTTOM RAIL**
Steel

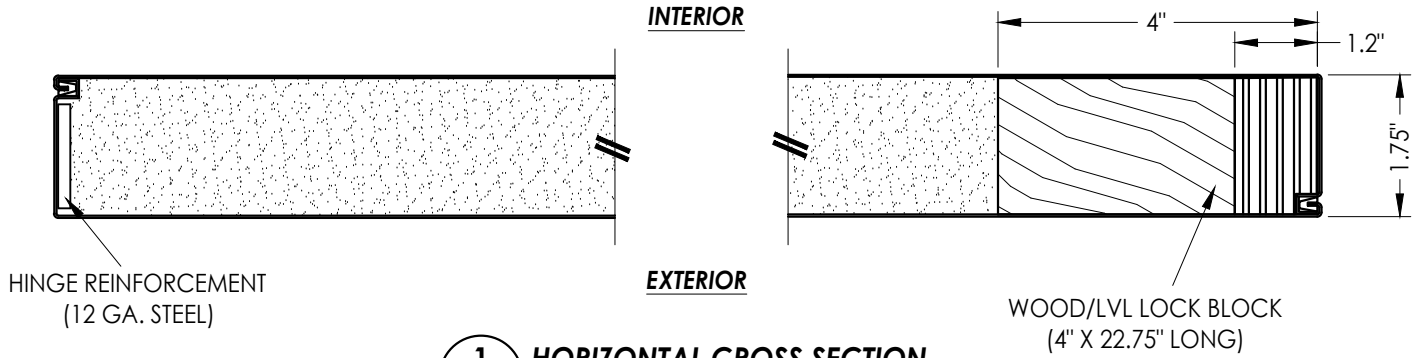


2
2 **VERTICAL CROSS SECTION**

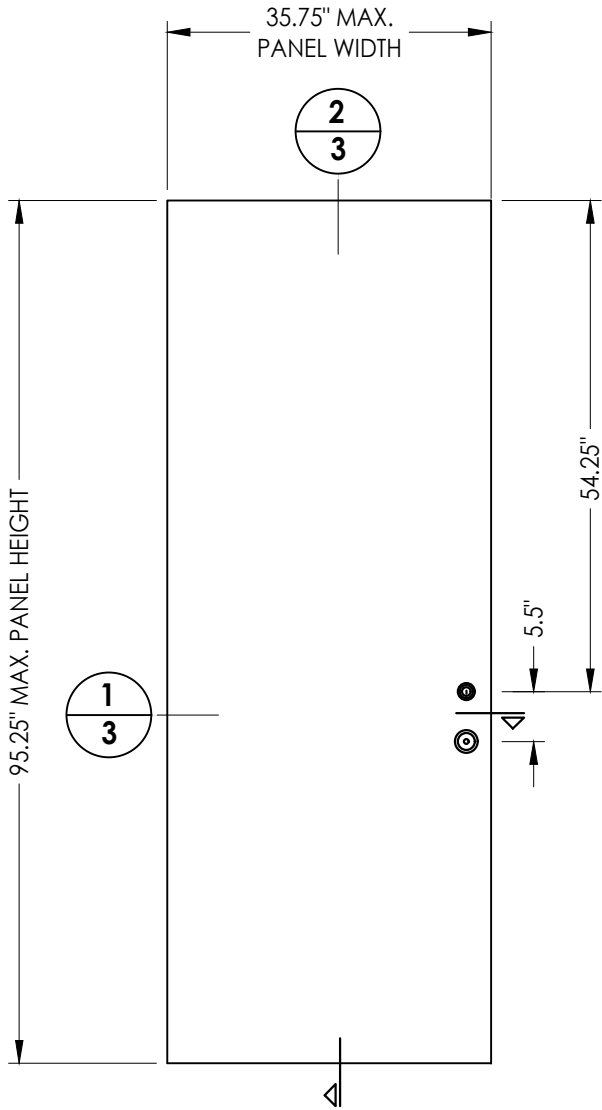
DOOR SKIN: 0.022" MIN. THK. GALV. STEEL (Fy = 31,300 PSI MIN.)
FOAM CORE: POLYSTYRENE

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										PART OR ASSEMBLY: DOOR PANEL DETAILS									
										2	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
										1	2/21/22	REVISE ANCHORING DIMENSIONS		LFS					
										NO.	DATE			BY					
										REVISIONS									
DATE: 10/13/20																			
SCALE: N.T.S.																			
DWG. BY: RW																			
CHK. BY: LFS																			
DRAWING NO.: FL-9231.6																			
SHEET 2 OF 7																			

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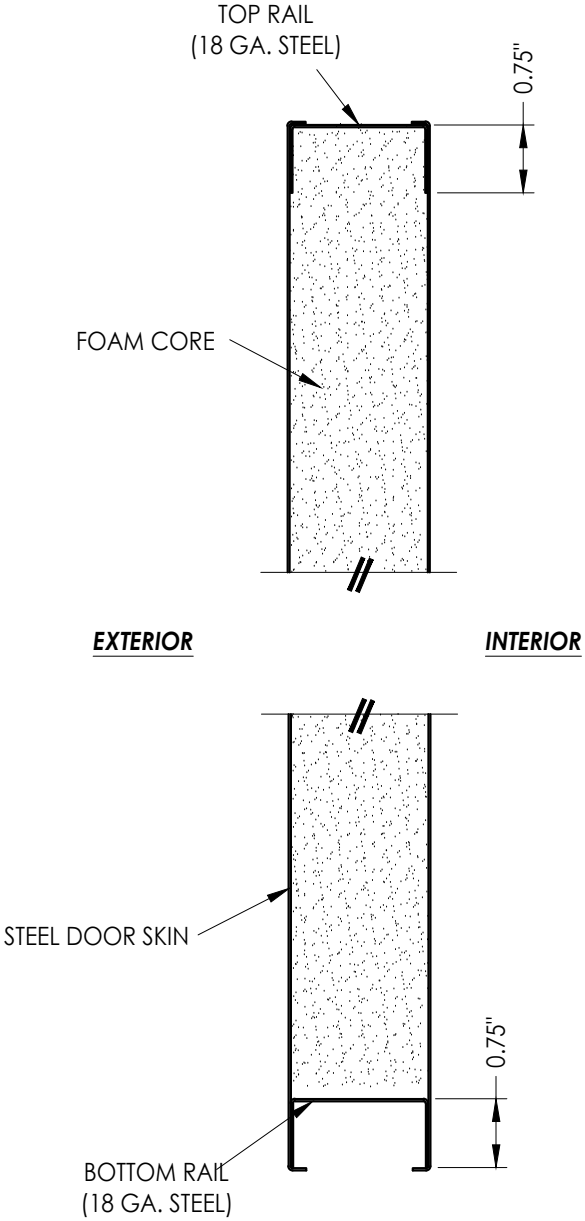


1
3 HORIZONTAL CROSS SECTION



41 8'-0" STEEL DOOR PANEL
Masonite

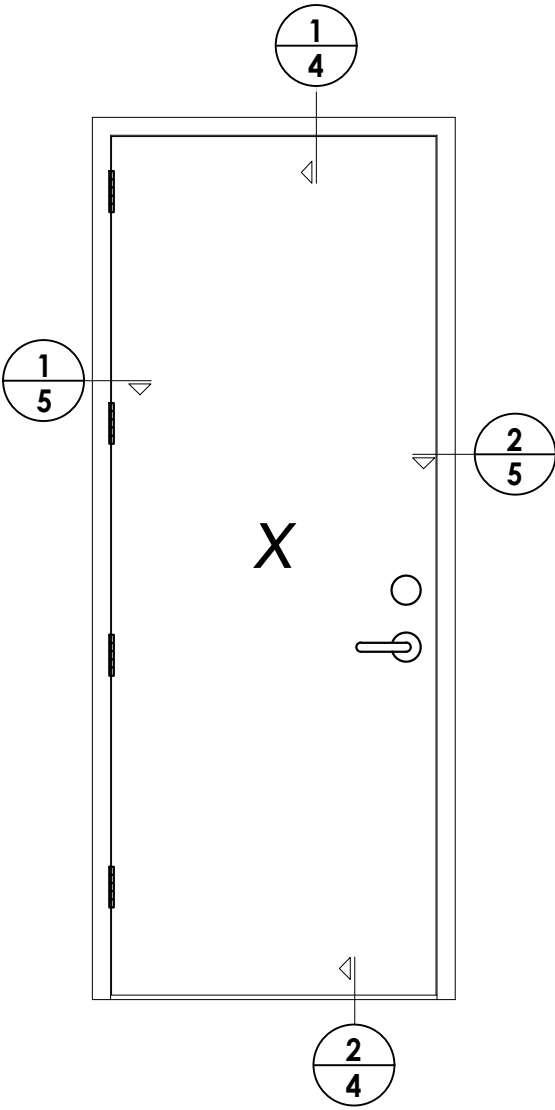
DOOR SKIN: 0.022" MIN. THK. GALV. STEEL (Fy = 34,800 PSI MIN.)
CORE MATERIAL: POLYURETHANE CORE



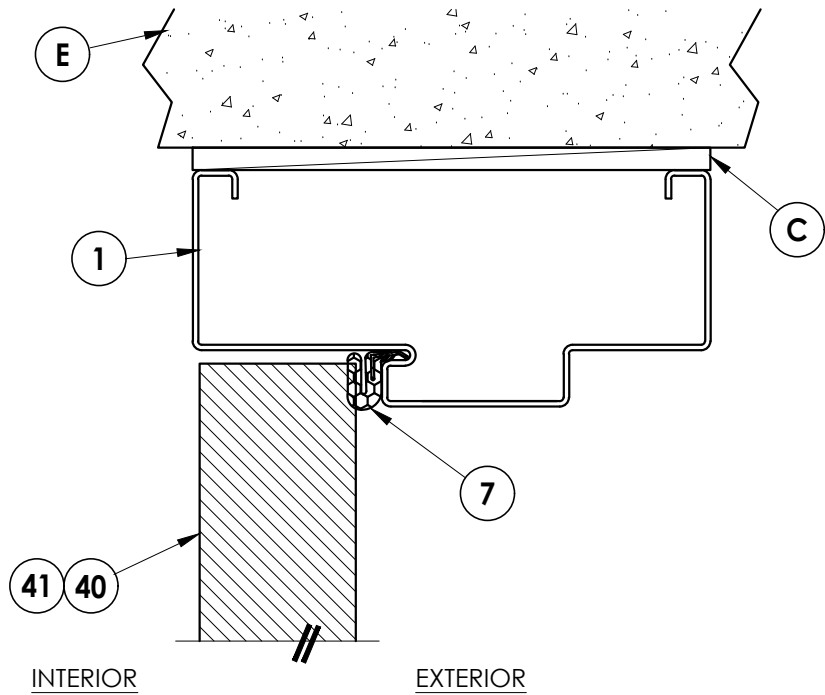
2
3 VERTICAL CROSS SECTION

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PRODUCT: DUNBARTON				PART OR ASSEMBLY: DOOR PANEL DETAILS			
				LFS	FBC	REVISIONS	
				LFS	REVISIONS		
				BY	DATE		
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				1	2/21/22	REVISE ANCHORING DIMENSIONS	
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DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-9231.6							
SHEET 3 OF 7							

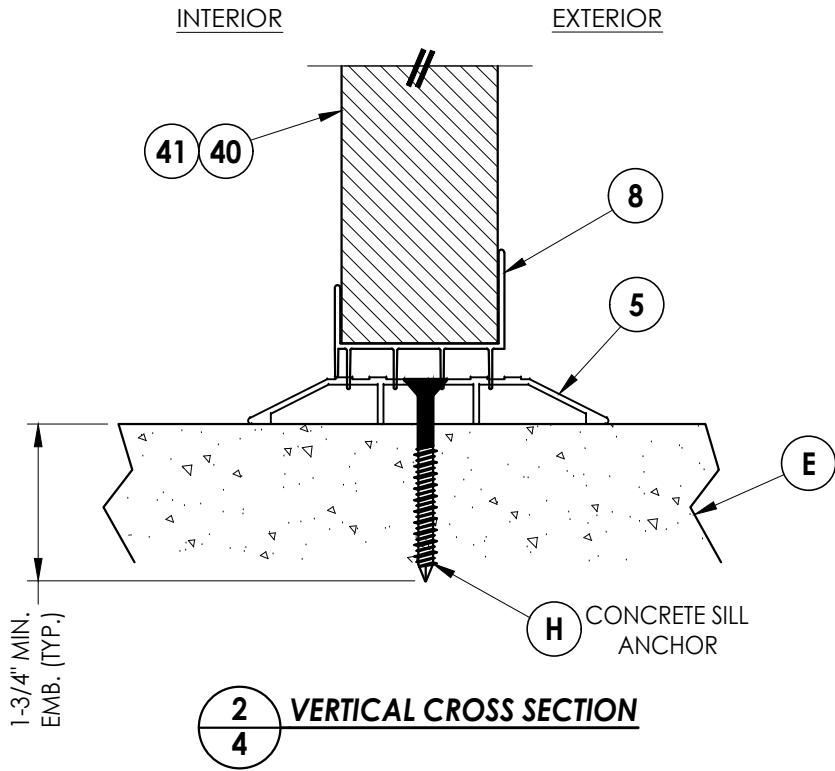
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LOCK HARDWARE	
LATCH:	SCHLAGE (J10SOL)
DEADBOLT:	KWIKSET SIGNATURE SERIES (780)

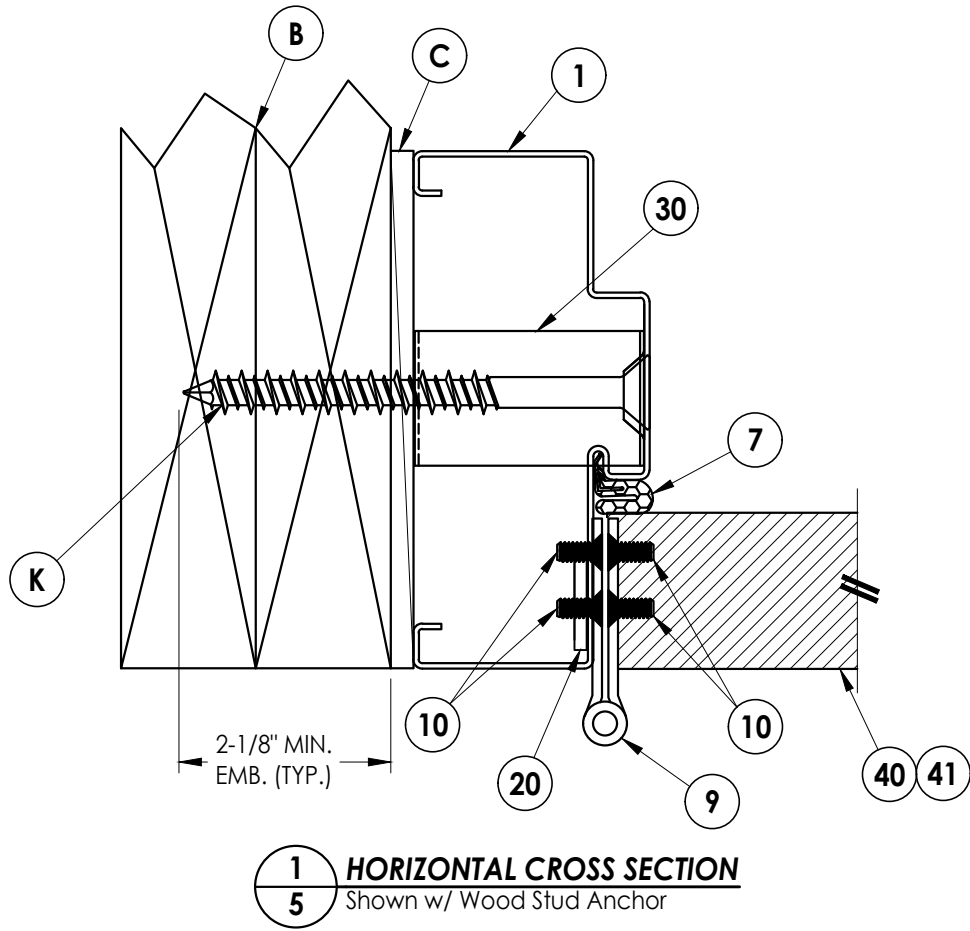


1/4 VERTICAL CROSS SECTION
Inswing Shown (Outswing Similar)



2/4 VERTICAL CROSS SECTION

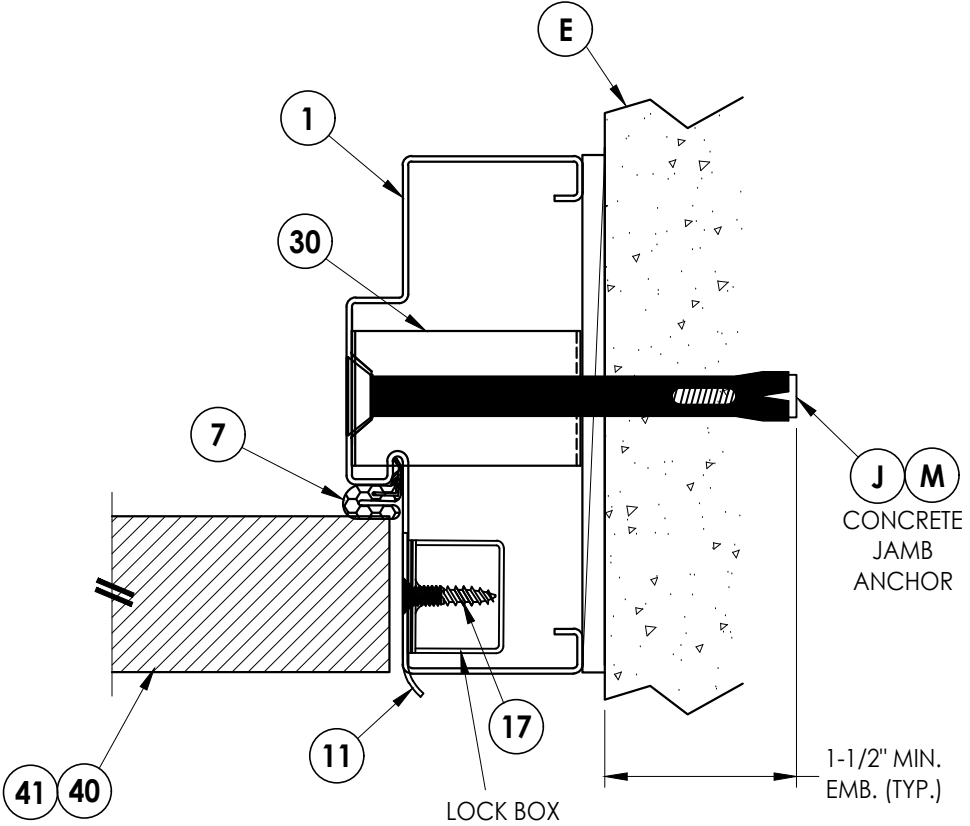
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PRODUCT: DUNBARTON		PART OR ASSEMBLY: ELEVATION & VERTICAL CROSS SECTIONS	
		LFS	BY
		UPDATE TO 8TH ED. (2023) FBC	
		REVISE ANCHORING DIMENSIONS	
		NO.	DATE
		2	7/06/23
		1	2/21/22
DATE: 10/13/20		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-9231.6			
SHEET 4 OF 7			



1
5 **HORIZONTAL CROSS SECTION**
Shown w/ Wood Stud Anchor

EXTERIOR

INTERIOR



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

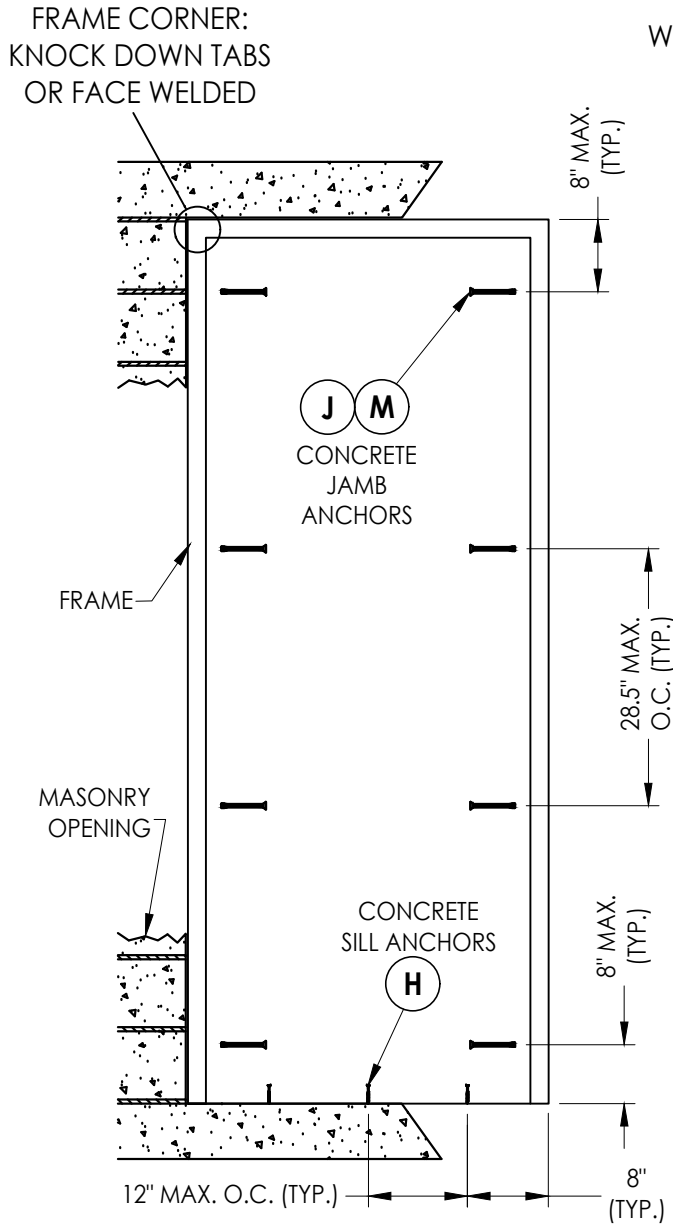
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SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-9231.6
SHEET 5 OF 7

NO.	DATE	REVISIONS
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1	2/21/22	REVISE ANCHORING DIMENSIONS
		LFS
		BY

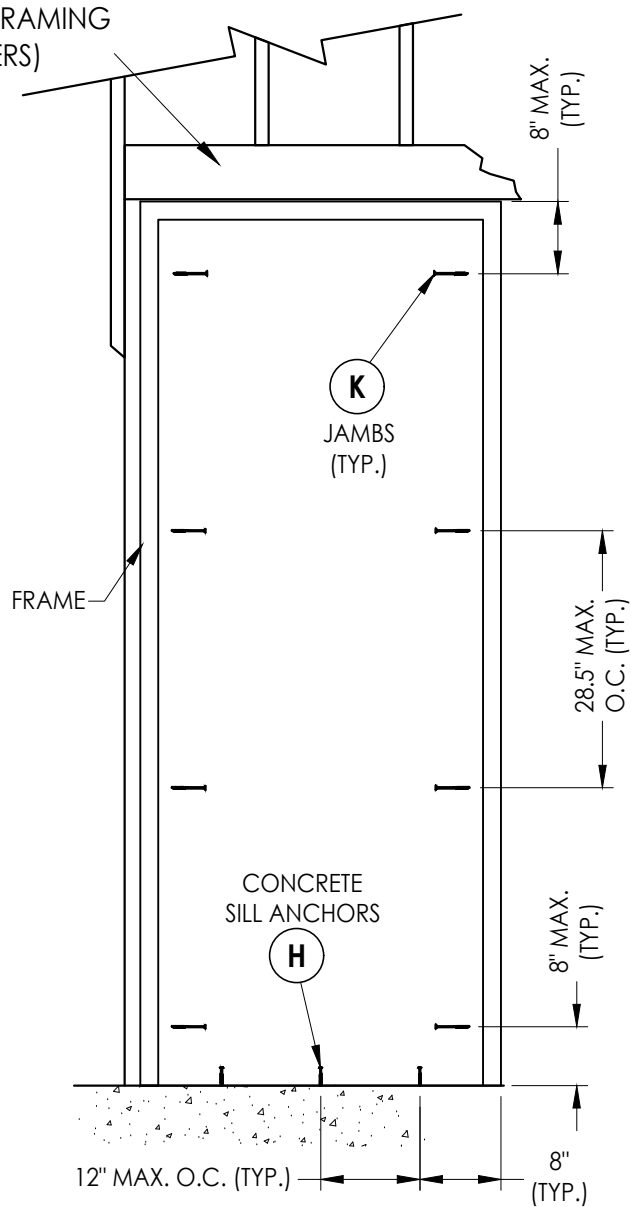
PRODUCT:	DUNBARTON
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

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Lyndon F. Schmidt
P.E. No. 43409

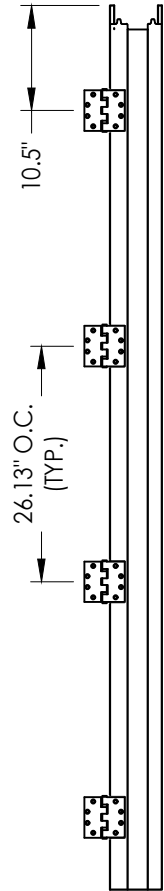
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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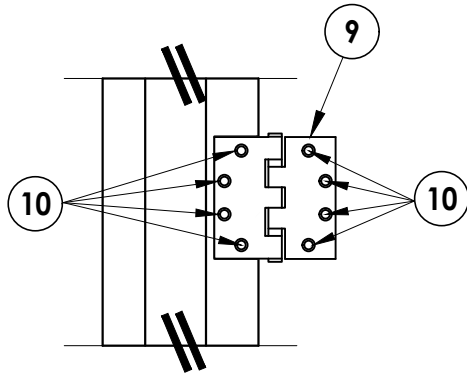
FRAME ANCHORING
Masonry Construction
Concrete Anchors



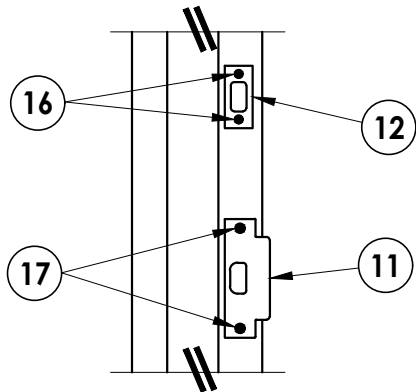
FRAME ANCHORING
Wood Stud



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"

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

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
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1	2/21/22	REVISE ANCHORING DIMENSIONS
		BY

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

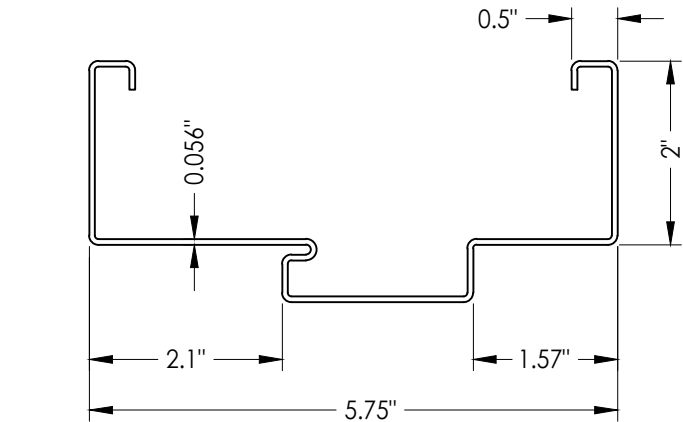
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FL-9231.6

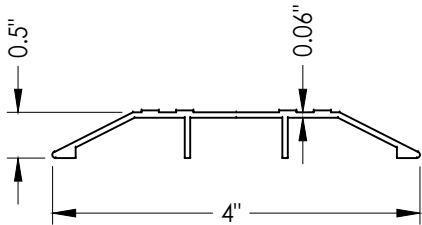
SHEET 6 OF 7

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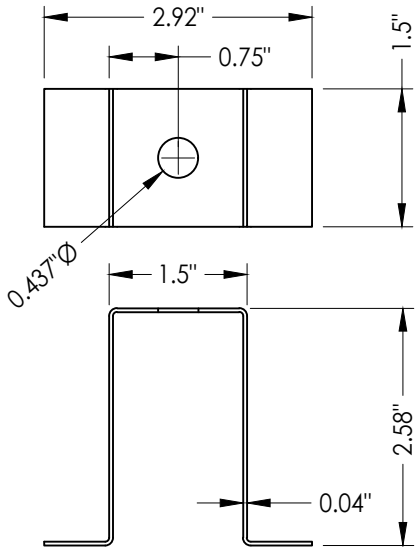
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 2-1/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" 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**
Bracket

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		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS					
				LFS	FBC		
				LFS	REVISE ANCHORING DIMENSIONS		
				BY			
				REVISIONS			
				NO.	DATE		
			2	7/06/23	UPDATE TO 8TH ED. (2023)		
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DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-9231.6							
SHEET 7 OF 7							