

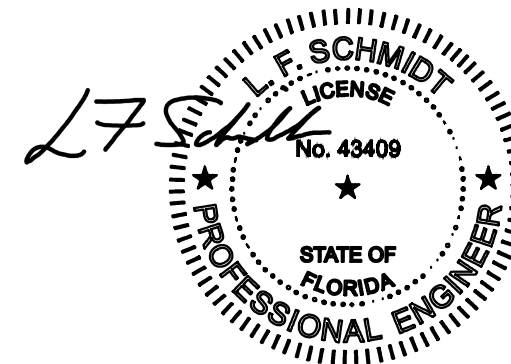
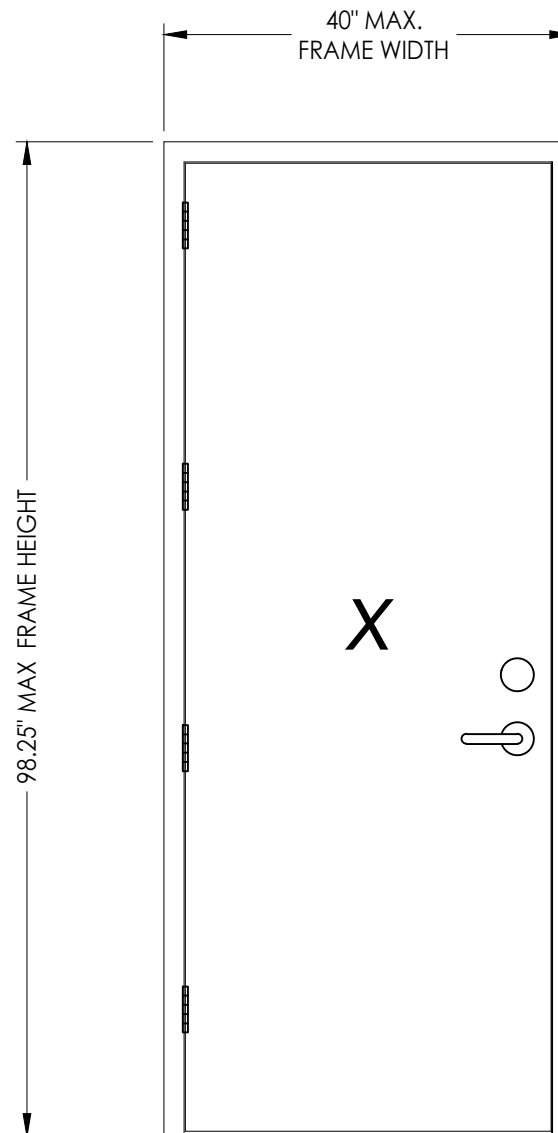


868 MURRAY ROAD, DOTHAN, AL 36303

"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 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.



Digitally signed by Lyndon F Schmidt
Date: 2023.07.19 11:13:02 -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
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3	Door panel details
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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

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

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-9231.4

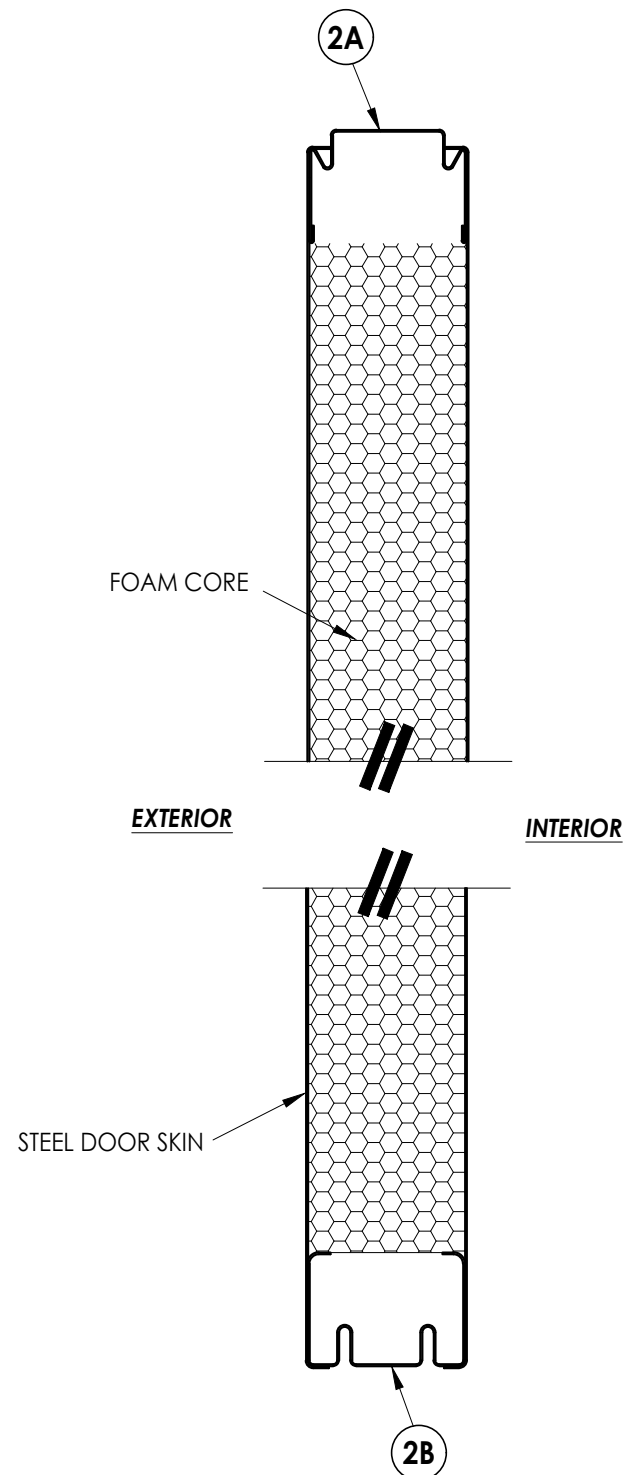
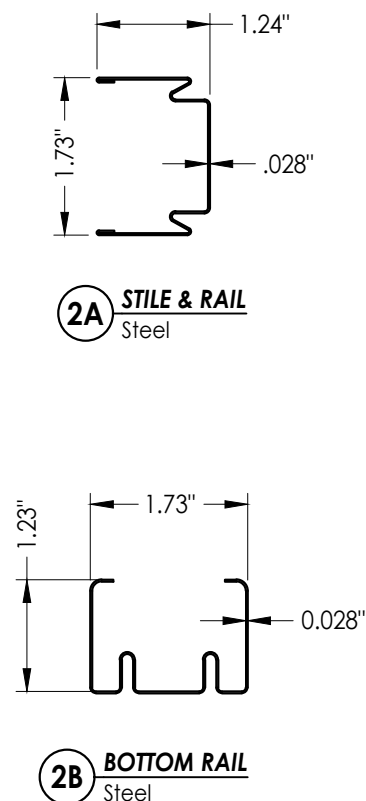
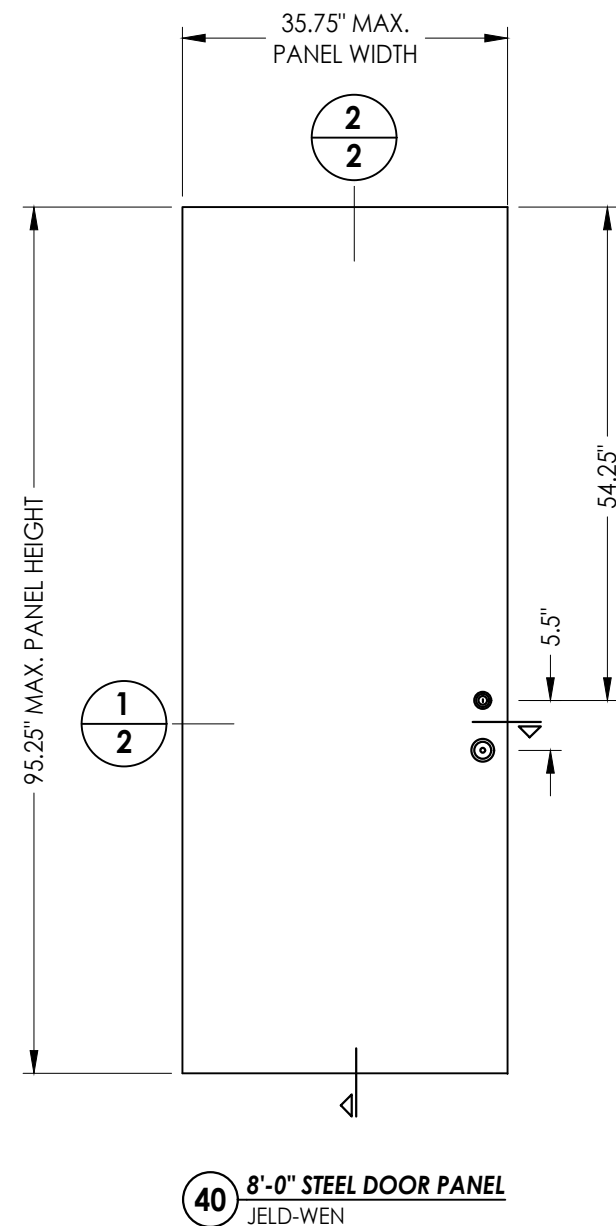
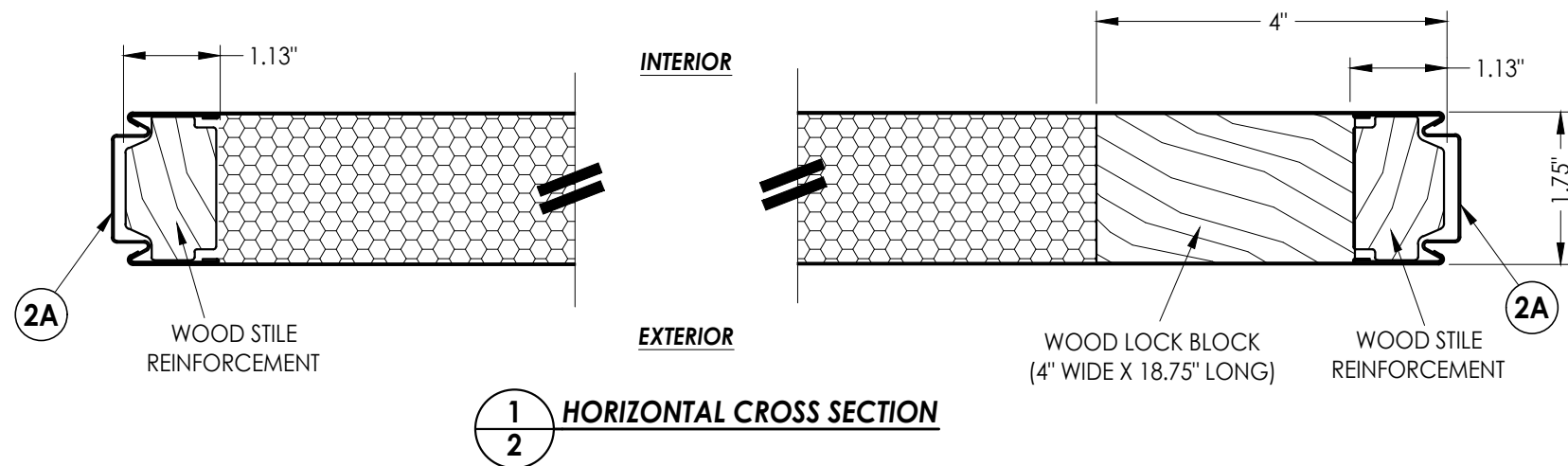
SHEET 1 OF 7

1 7/06/23 UPDATE TO 8TH ED. (2023) FBC

NO. DATE

REVISIONS

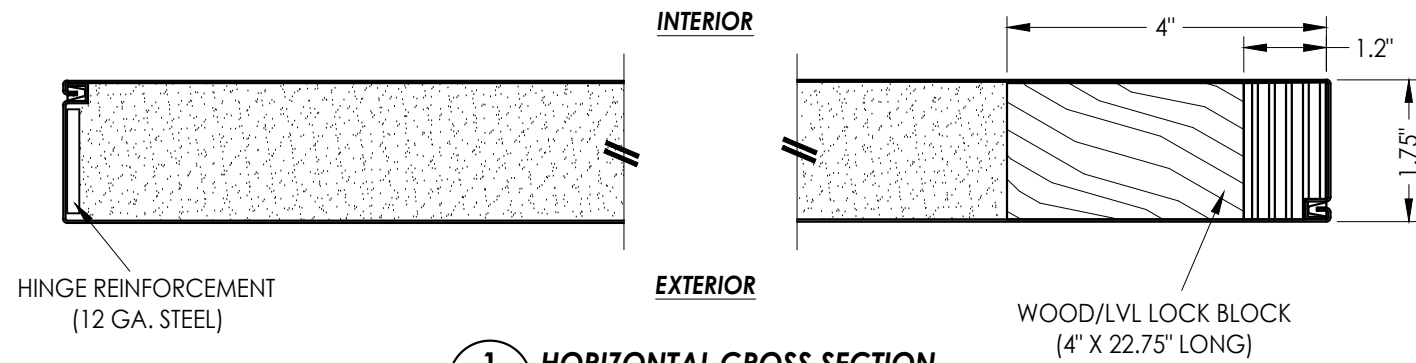
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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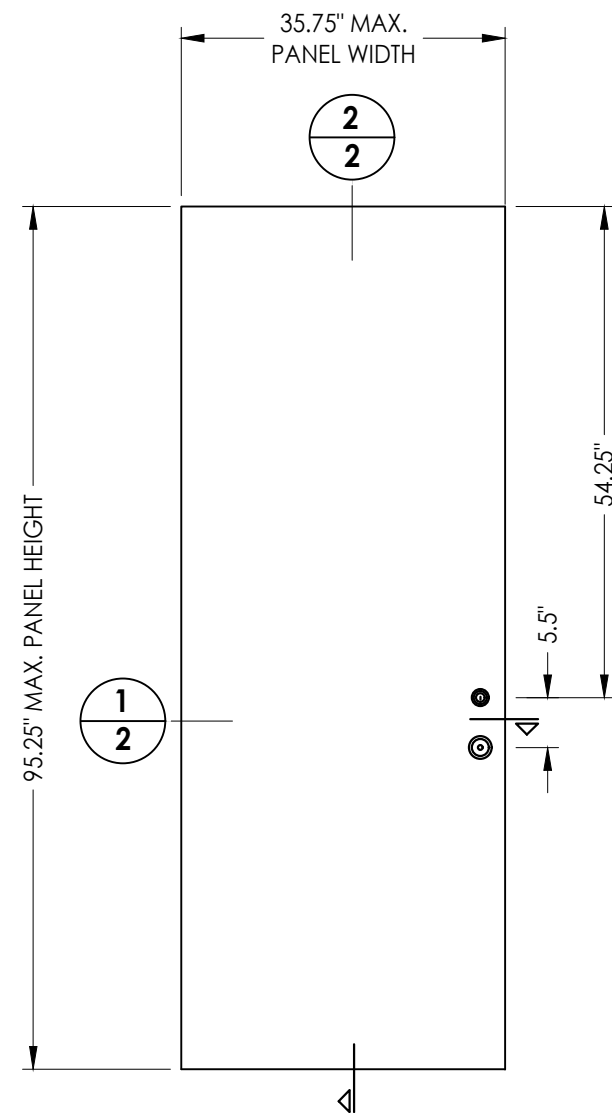
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

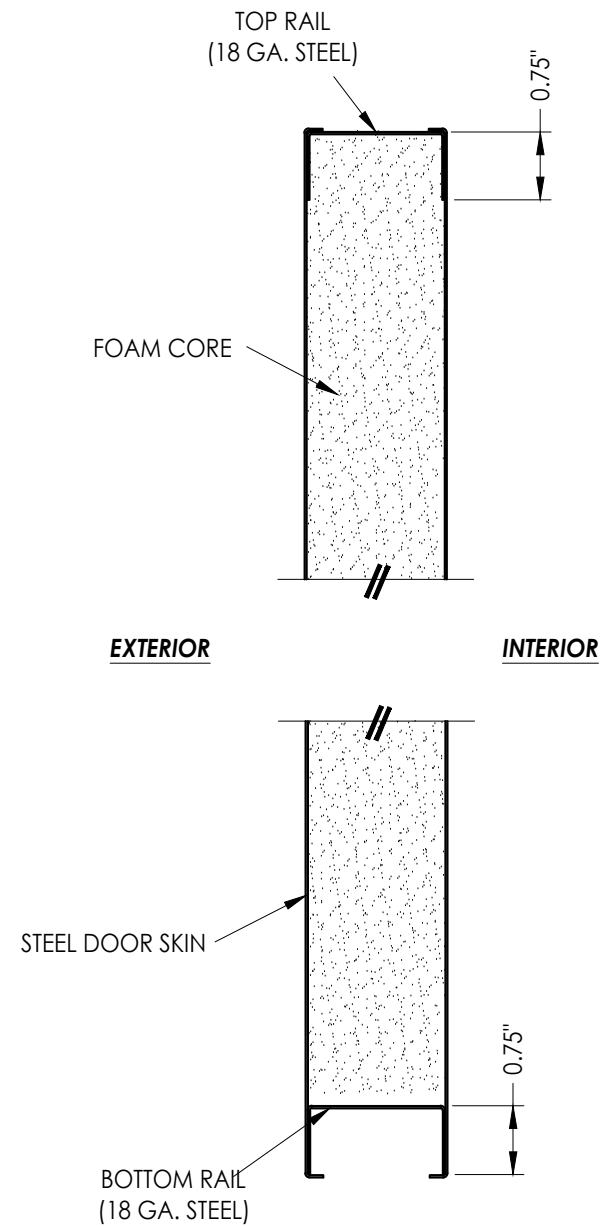
DOOR SKIN: 0.022" MIN. THK. GALV. STEEL
CORE MATERIAL: POLYURETHANE CORE



1 HORIZONTAL CROSS SECTION



41 **8'-0" STEEL DOOR PANEL**
Masonite



2 VERTICAL CROSS SECTION
2

[illegible]

DATE: 10/13/20

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

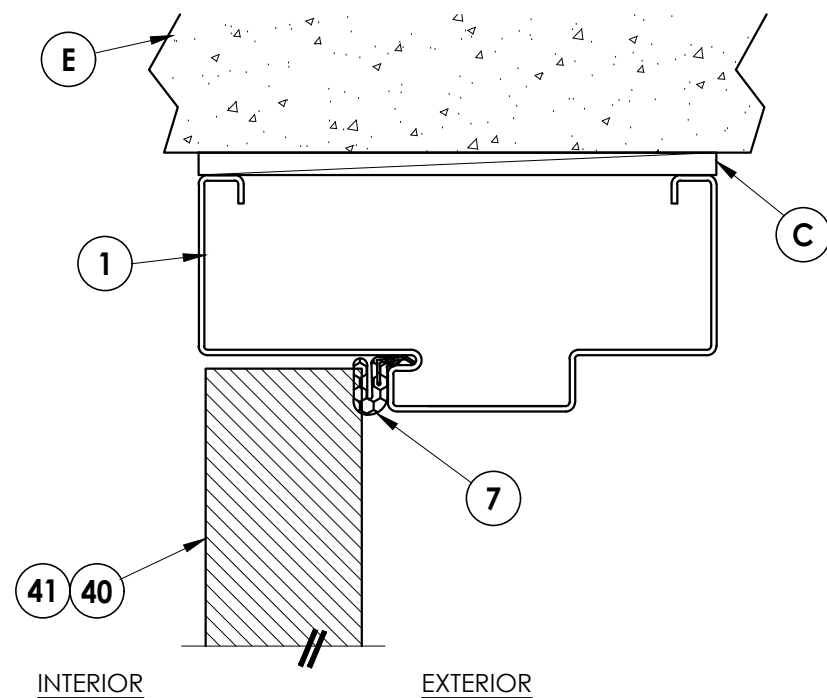
FL-9231.4

SHEET 3 OF 7

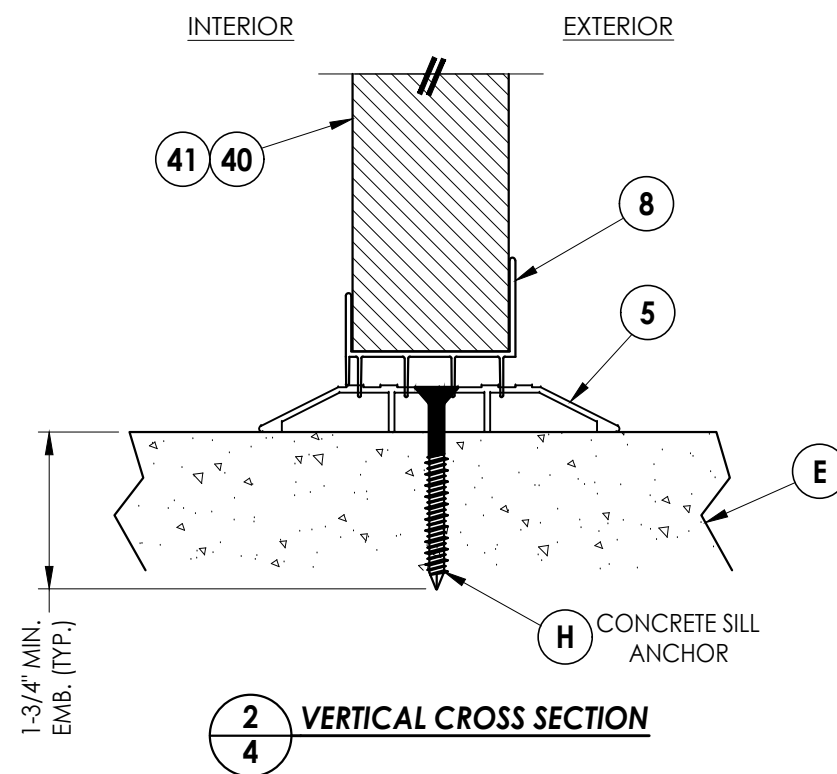
Documents Prepared By:
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P.E. No. 43409

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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LOCK HARDWARE
<u>LATCH:</u> SCHLAGE (J10SOL)
<u>DEADBOLT:</u> KWIKSET SIGNATURE SERIES (780)



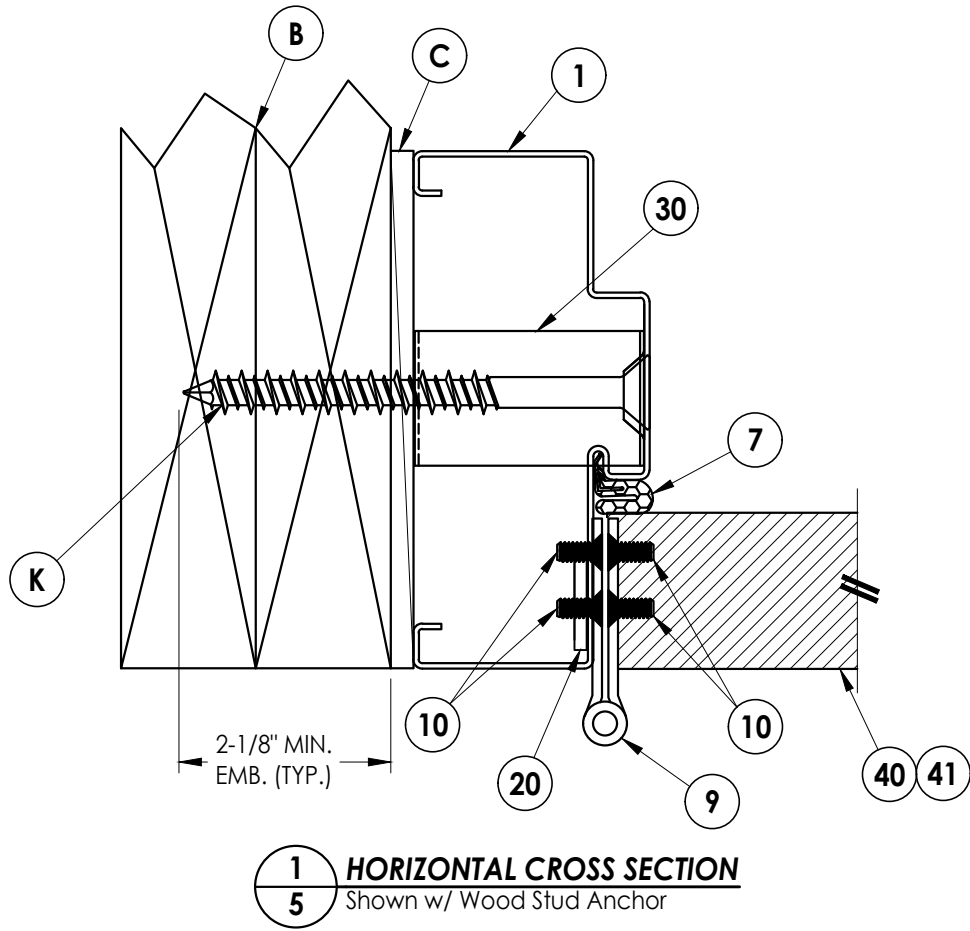
1 **VERTICAL CROSS SECTION**
4 Inswing Shown (Outswing Similar)



2 **VERTICAL CROSS SECTION**
4

[illegible]

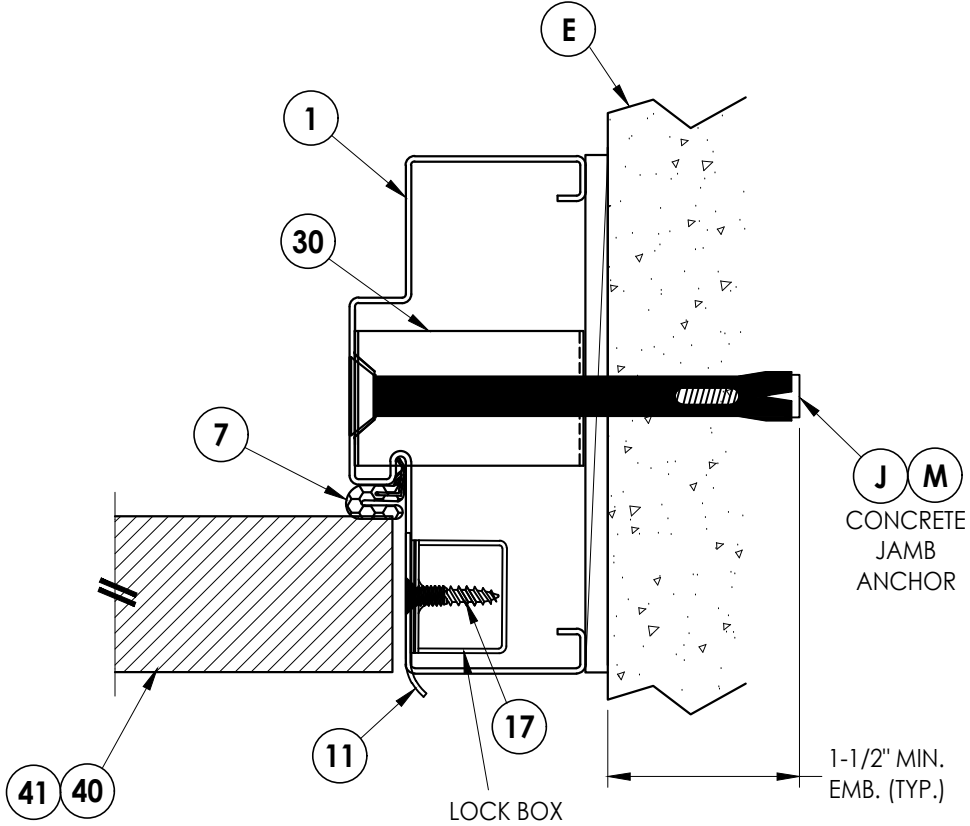
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1
5 **HORIZONTAL CROSS SECTION**
Shown w/ Wood Stud Anchor

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-9231.4
SHEET 5 OF 7

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

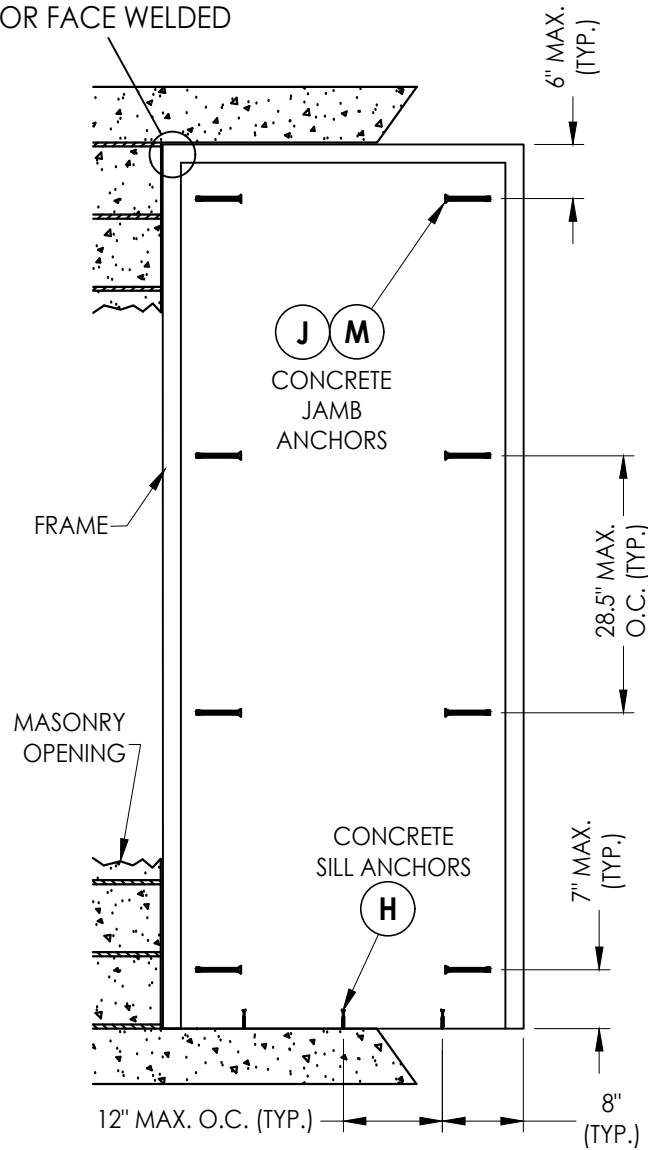
PRODUCT:	DUNBARTON
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

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

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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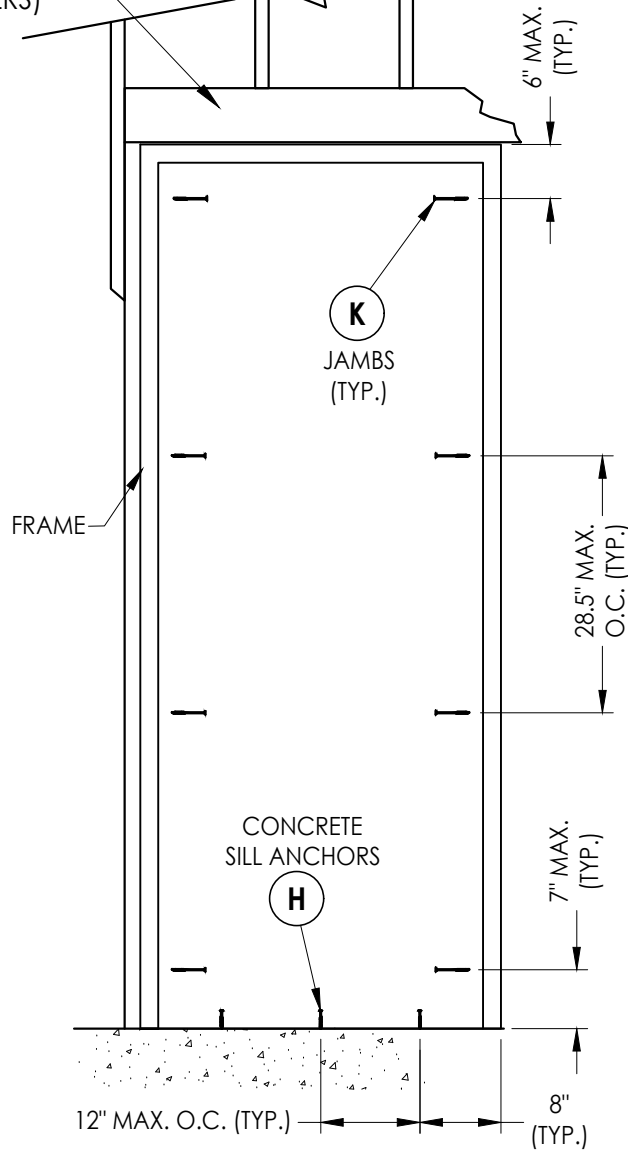
FRAME CORNER:
KNOCK DOWN TABS
OR FACE WELDED



FRAME ANCHORING

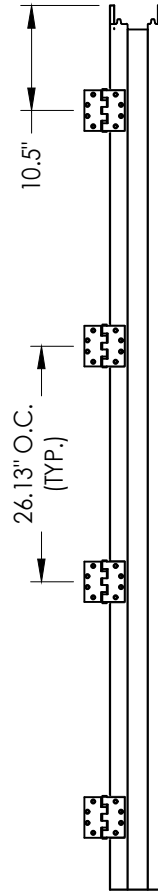
Masonry Construction
Concrete Anchors

WOOD STUD FRAMING
(BY OTHERS)

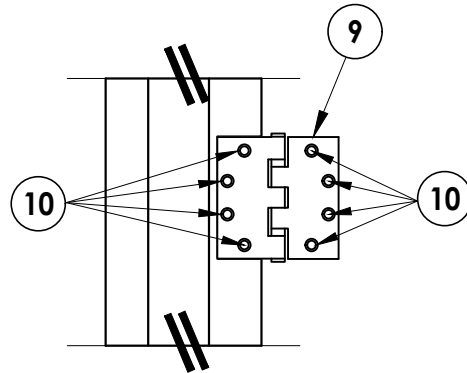


FRAME ANCHORING

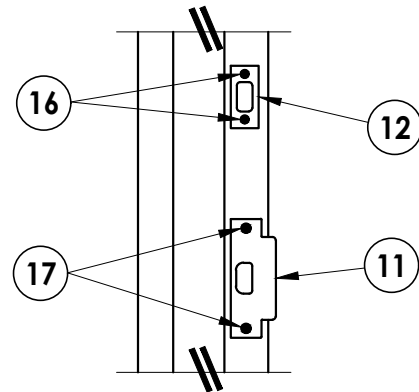
Wood Stud



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"

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

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

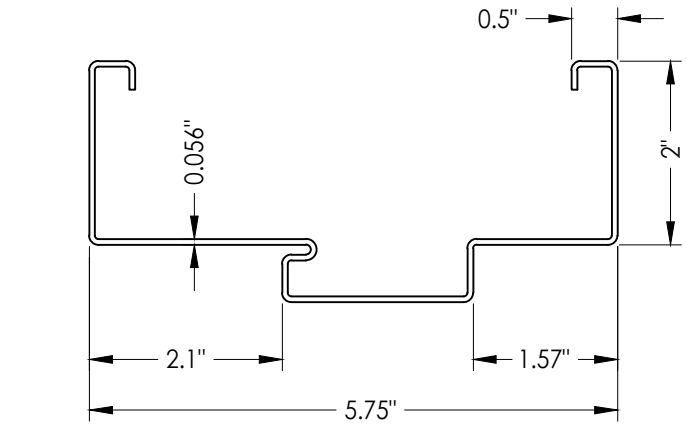
CHK. BY: LFS

DRAWING NO.:

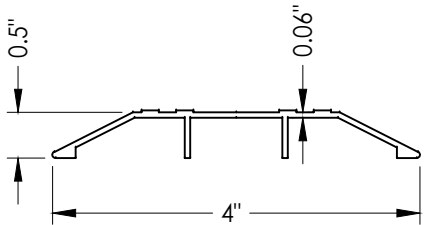
FL-9231.4

SHEET 6 OF 7

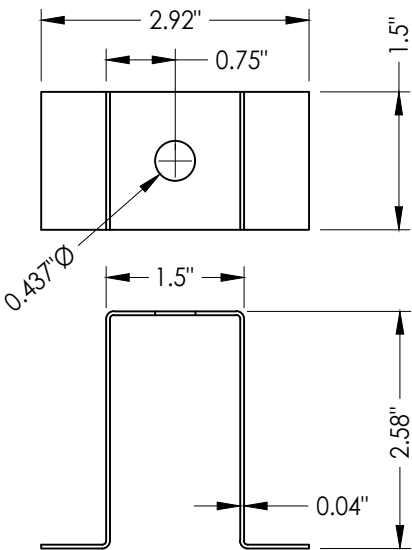
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
H	1/4" X 2-1/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8"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