



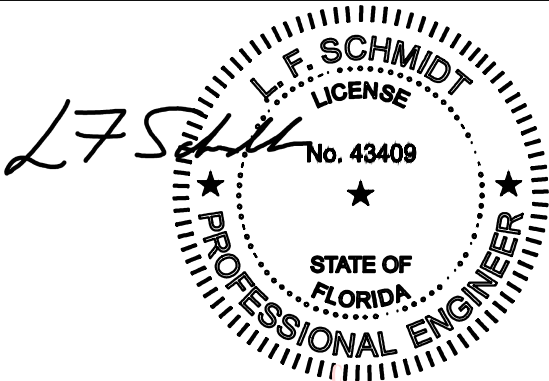
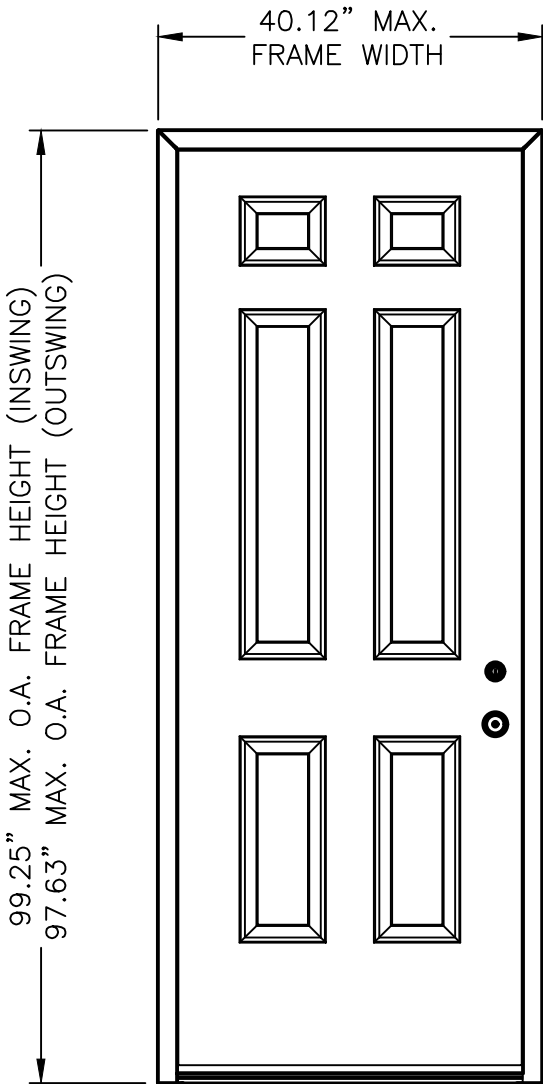
868 MURRAY ROAD, DOTHAN, AL 36303

"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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES
2	DOOR PANEL DETAILS (Taylor steel door)
3	DOOR PANEL DETAILS (JELD-WEN steel door)
4	DOOR PANEL DETAILS (Masonite steel door)
5	HORIZONTAL & VERTICAL CROSS SECTIONS
6	FRAME ANCHORING
7	BILL OF MATERIALS & COMPONENTS



Digitally signed by Lyndon F Schmidt
Date: 2023.07.19 11:12:38 -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

DOOR TYPE	OA FRAME DIMENSION		DESIGN PRESSURE			
			INSWING		OUTSWING	
	INSWING	OUTSWING	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
TAYLOR STEEL DOOR	40.12" x 99.25"	40.12" x 97.63"	+60.0	-65.0	+60.0	-60.0
JELD-WEN STEEL DOOR			+65.0	-65.0	+65.0	-65.0
MASONITE STEEL DOOR			+55.0	-60.0	+55.0	-55.0

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

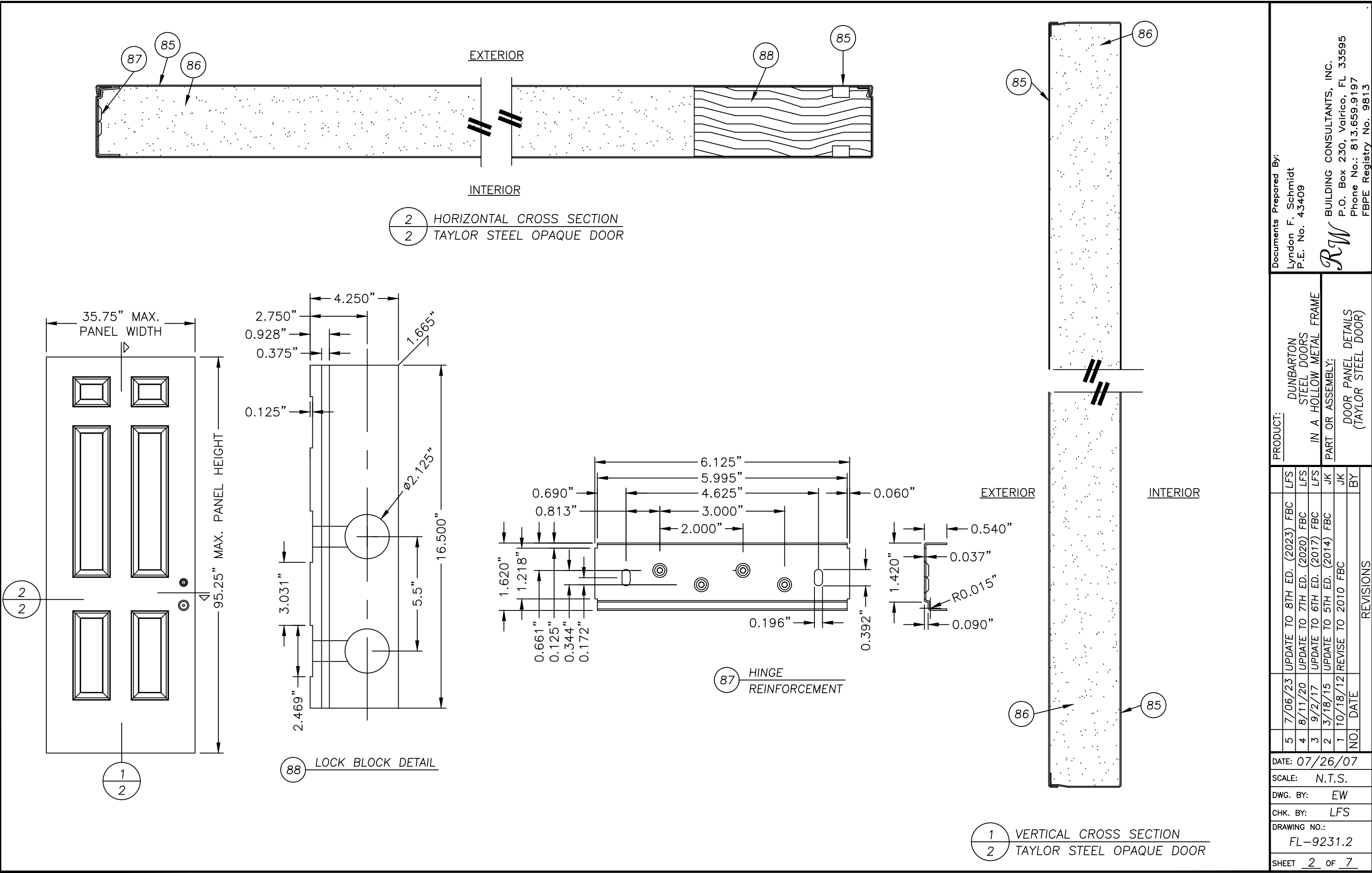
DUNBARTON
STEEL DOORS
IN A HOLLOW METAL FRAME
PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
3	9/2/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2	3/18/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	10/18/12	REVISE TO 2010	FBC	JK
NO.	DATE	REVISIONS		

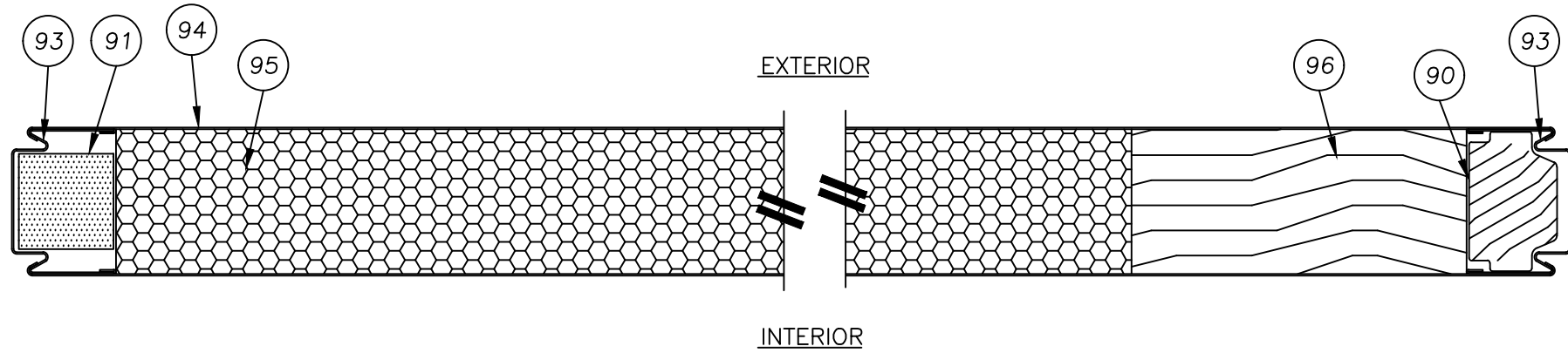
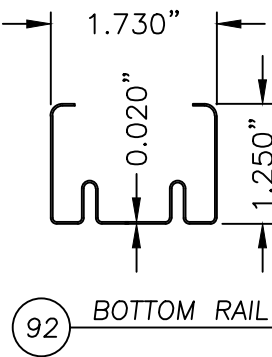
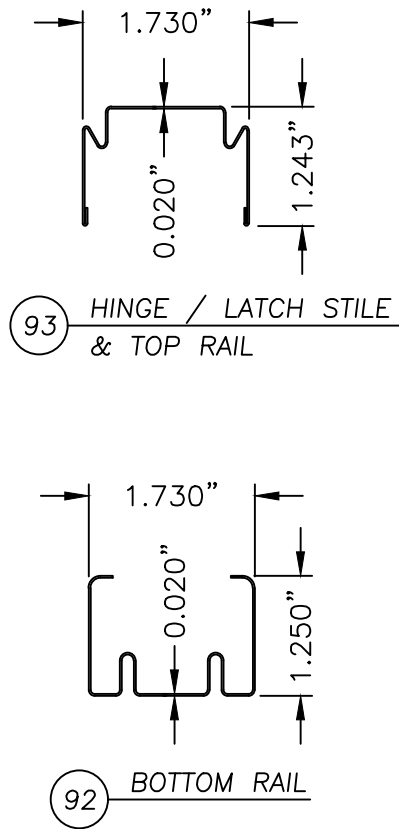
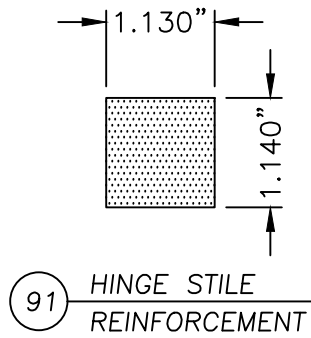
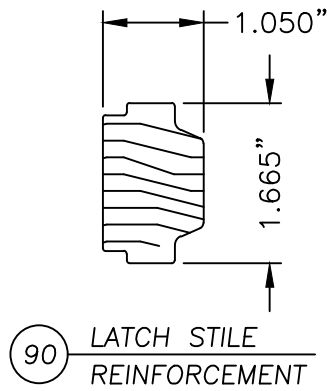
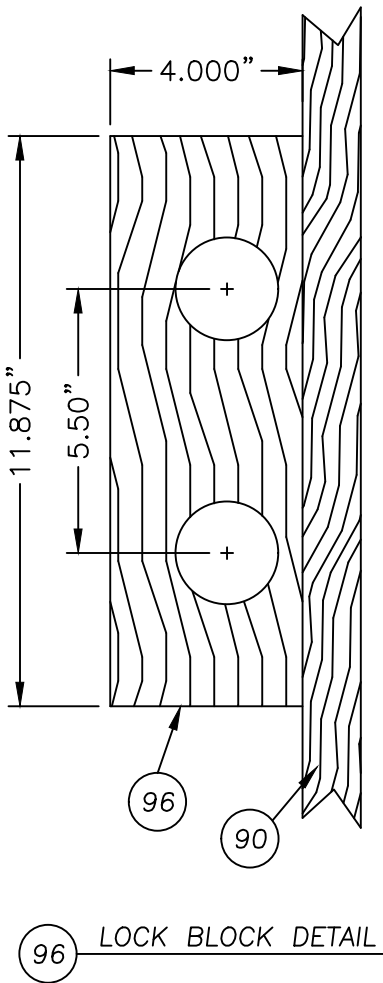
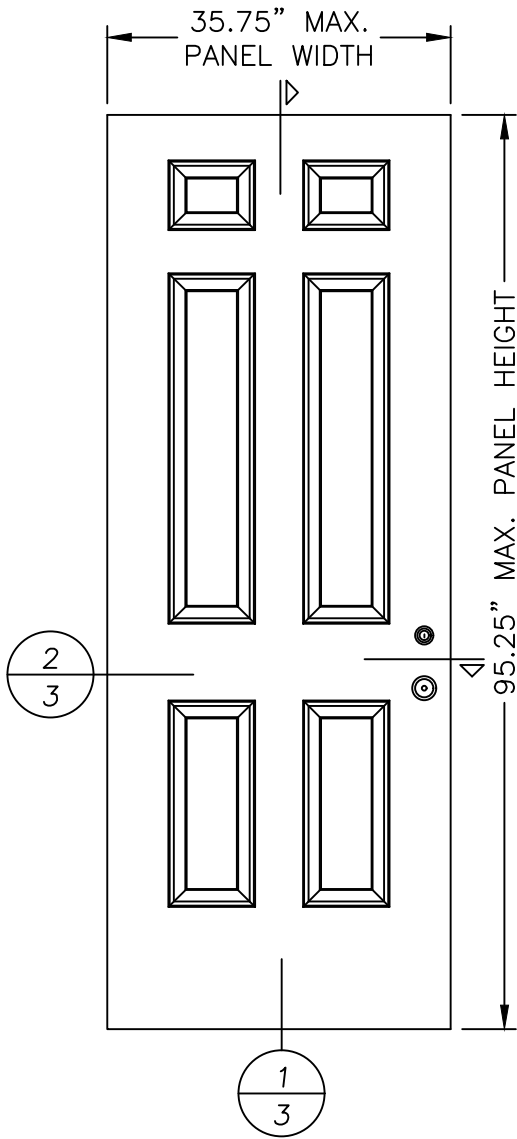
DATE: 07/26/07
SCALE: N.T.S.
DWG. BY: EW
CHK. BY: LFS
DRAWING NO.: FL-9231.2
SHEET 1 OF 7

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

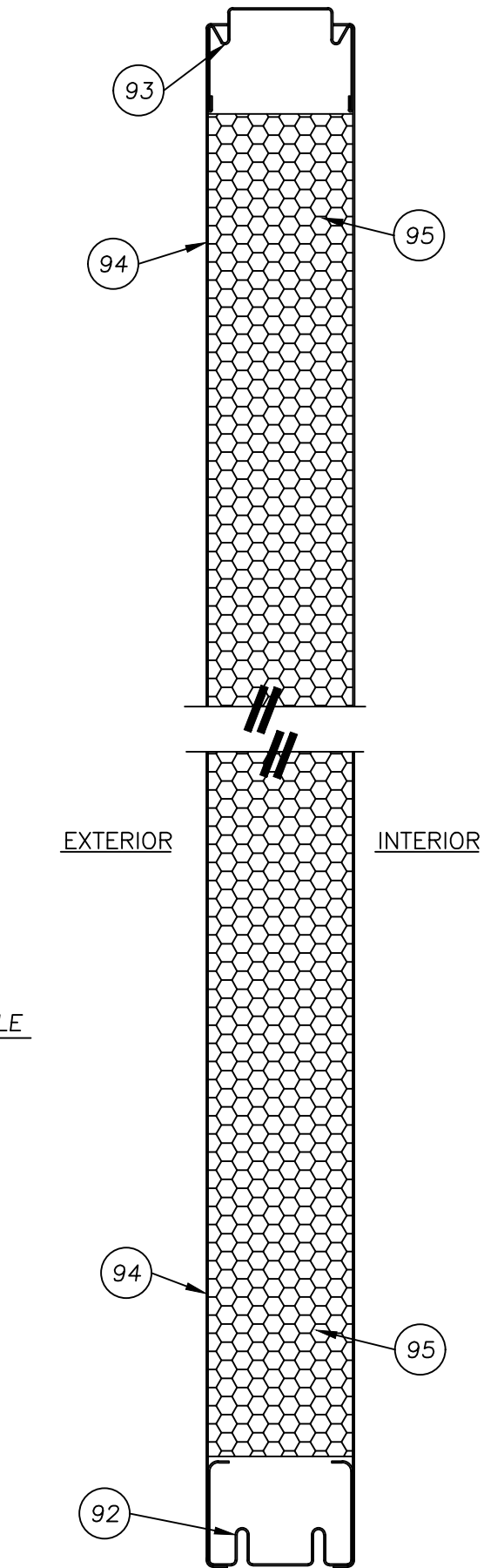
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2 HORIZONTAL CROSS SECTION
3 JELD-WEN STEEL OPAQUE DOOR



1 VERTICAL CROSS SECTION
3 JELD-WEN STEEL OPAQUE DOOR

DATE		REVISIONS	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
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3	9/2/17	UPDATE TO 6TH ED. (2017)	FBC LFS
2	3/18/15	UPDATE TO 5TH ED. (2014)	FBC JK
1	10/18/12	REVISE TO 2010 FBC	JK
NO.		DATE	BY

DATE: 07/26/07

SCALE: N.T.S.

DWG. BY: EW

CHK. BY: LFS

DRAWING NO.: FL-9231.2

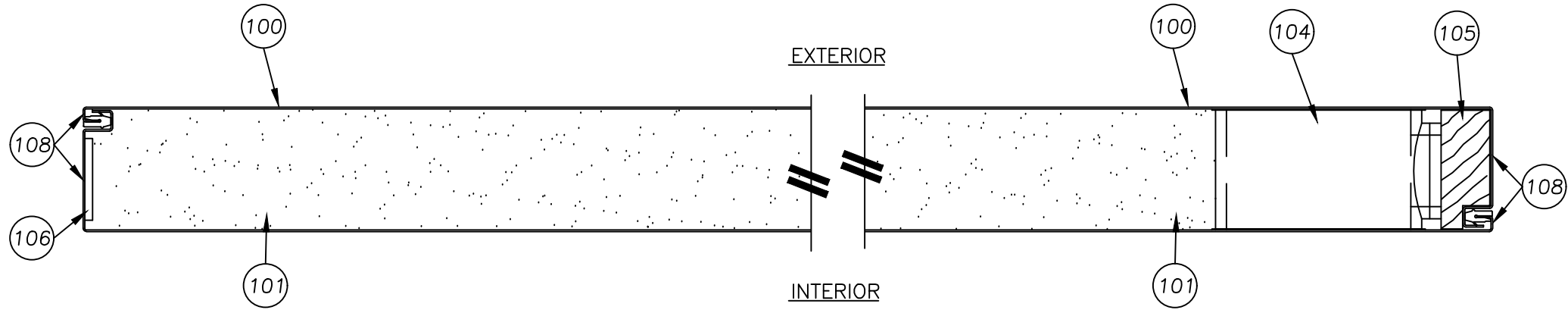
SHEET 3 OF 7

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

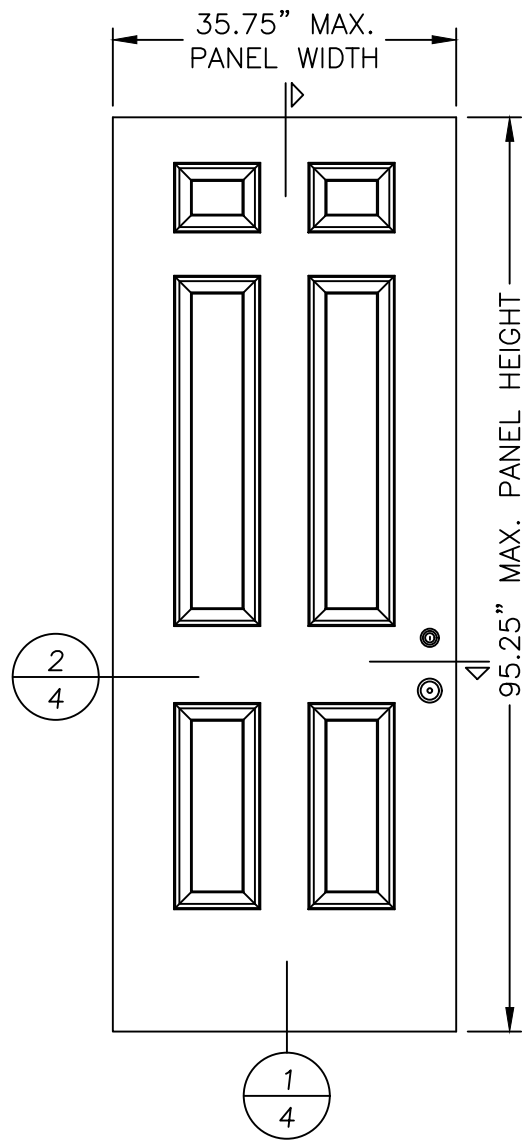
PRODUCT:
DUNBARTON
STEEL DOORS
IN A HOLLOW METAL FRAME
PART OR ASSEMBLY:
DOOR PANEL DETAILS
(JELD-WEN STEEL DOOR)

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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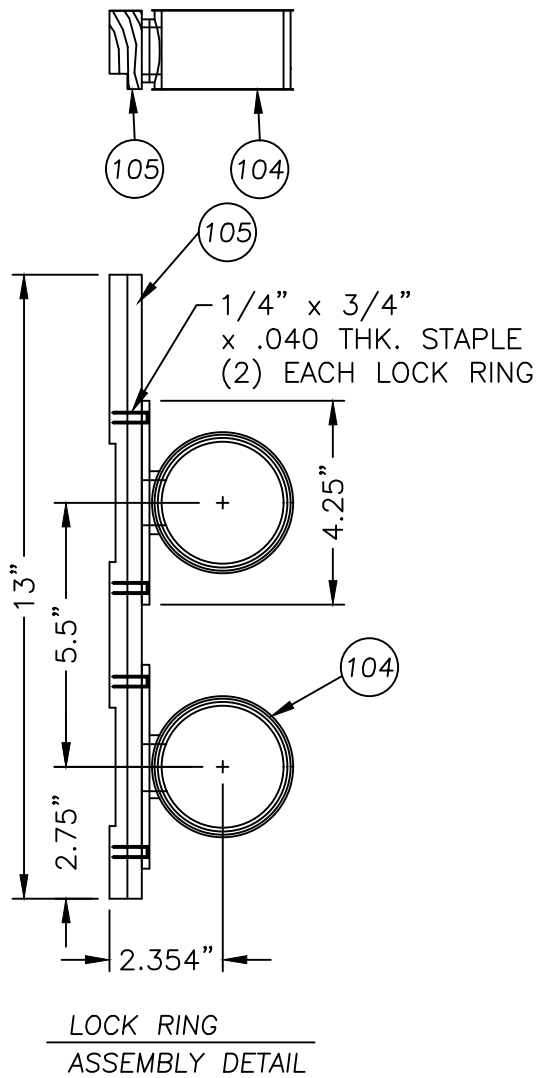
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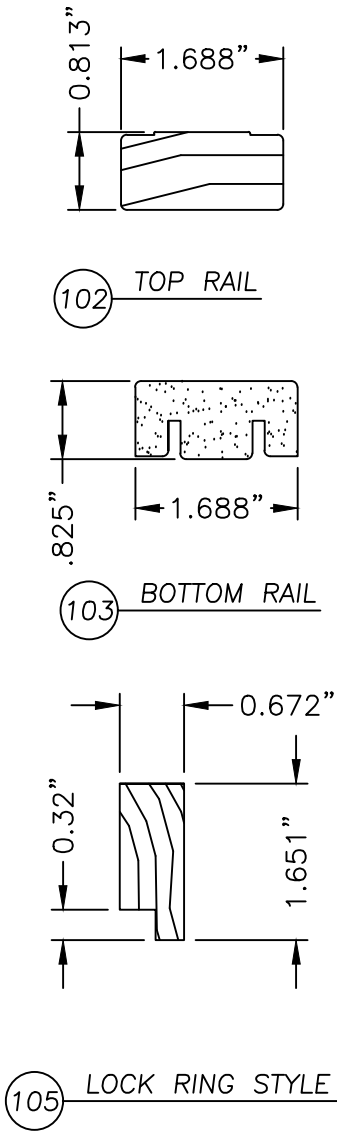
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4 HORIZONTAL CROSS SECTION
MASONITE STEEL OPAQUE DOOR



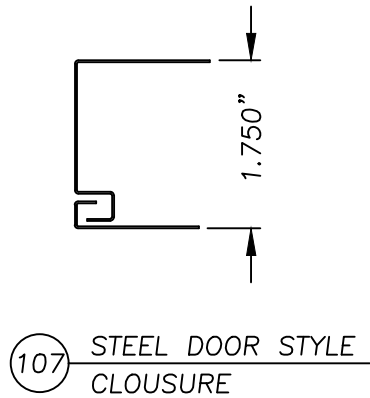
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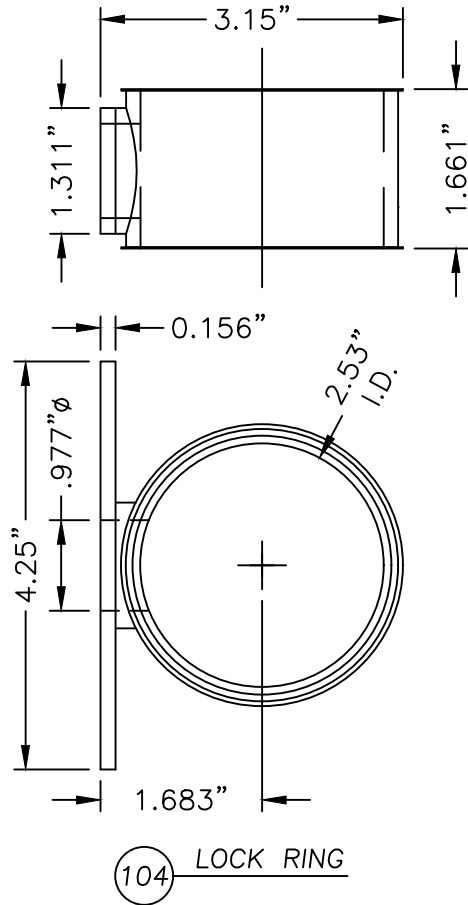
LOCK RING
ASSEMBLY DETAIL



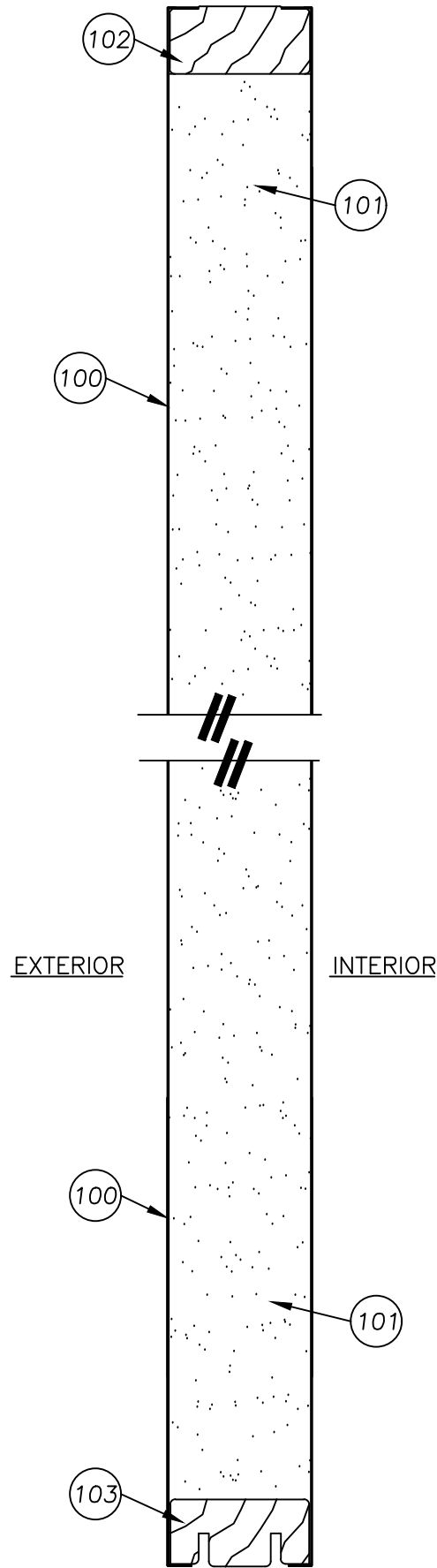
105 LOCK RING STYLE



107 STEEL DOOR STYLE
CLOSURE



104 LOCK RING



1
4 VERTICAL CROSS SECTION
MASONITE STEEL OPAQUE DOOR

NO.	DATE	REVISIONS				
		BY	JK	JK	LFS	FBC
1	10/18/12					REVISE TO 2010 FBC
2	3/18/15					UPDATE TO 5TH ED. (2014) FBC
3	9/2/17					UPDATE TO 6TH ED. (2017) FBC
4	8/11/20					UPDATE TO 7TH ED. (2020) FBC
5	7/06/23					UPDATE TO 8TH ED. (2023) FBC

DATE: 07/26/07

SCALE: N.T.S.

DWG. BY: EW

CHK. BY: LFS

DRAWING NO.: FL-9231.2

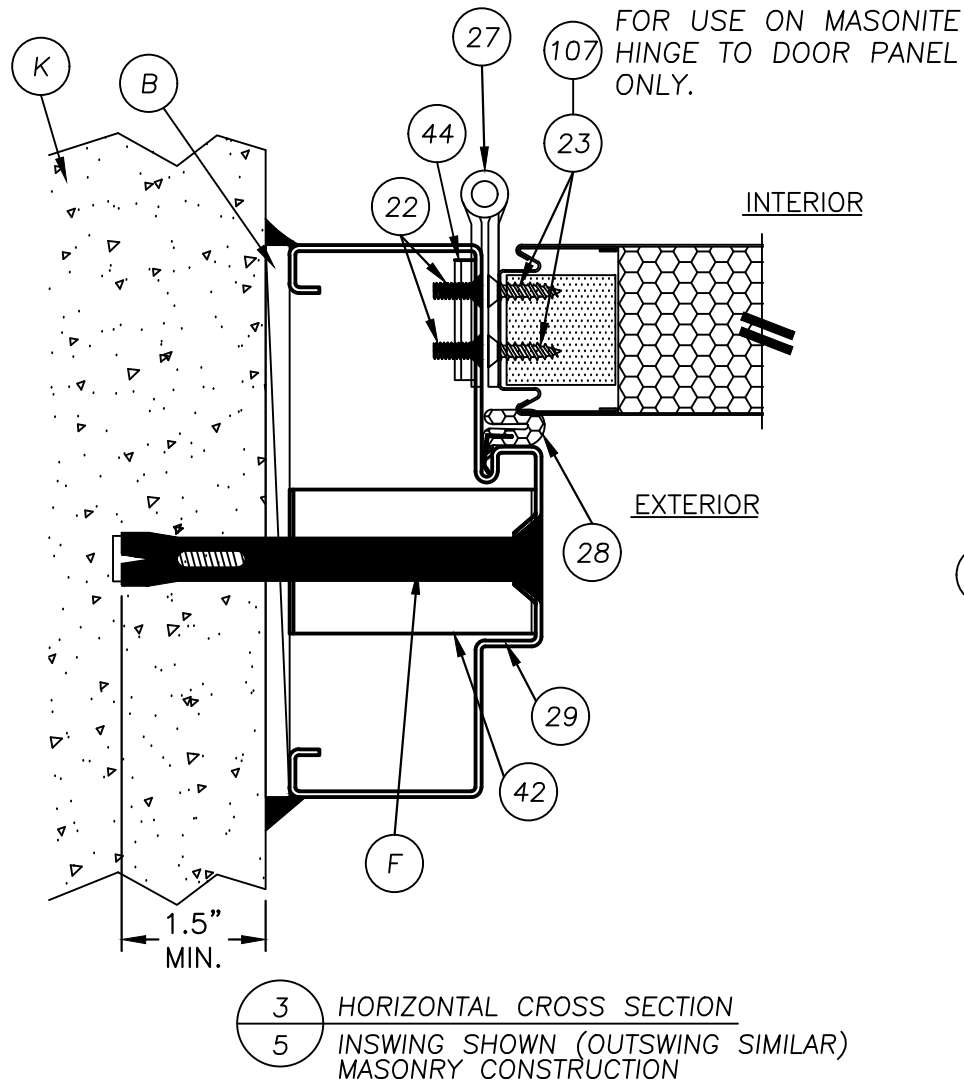
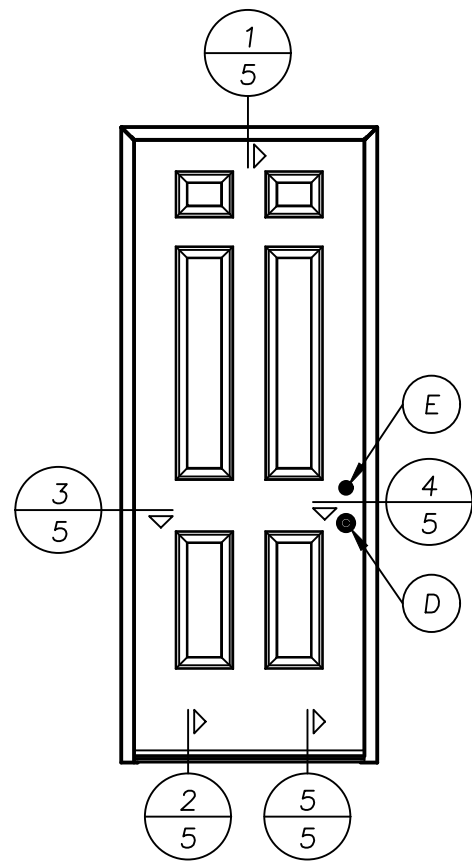
SHEET 4 OF 7

PRODUCT:
DUNBARTON
STEEL DOORS
IN A HOLLOW METAL FRAME
PART OR ASSEMBLY:
DOOR PANEL DETAILS
(MASONITE STEEL DOOR)

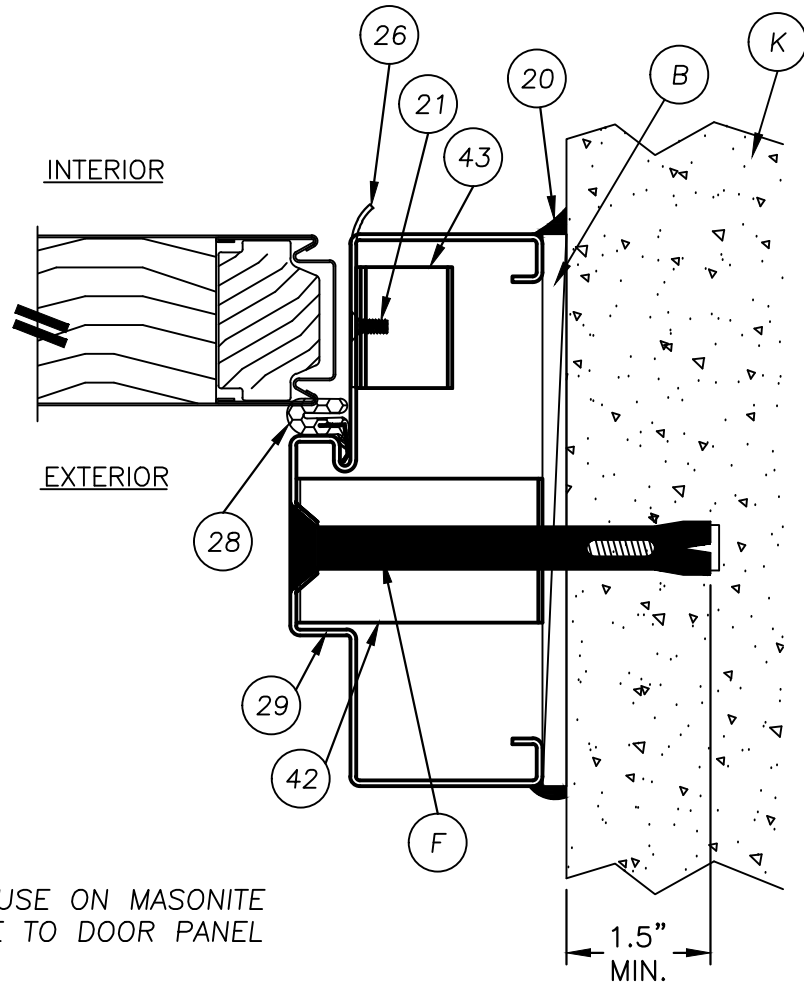
Documents Prepared By:
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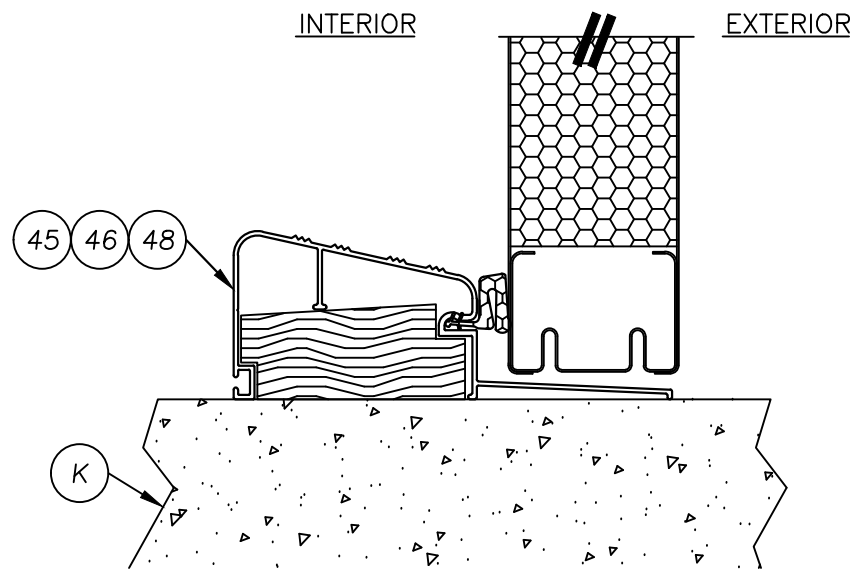
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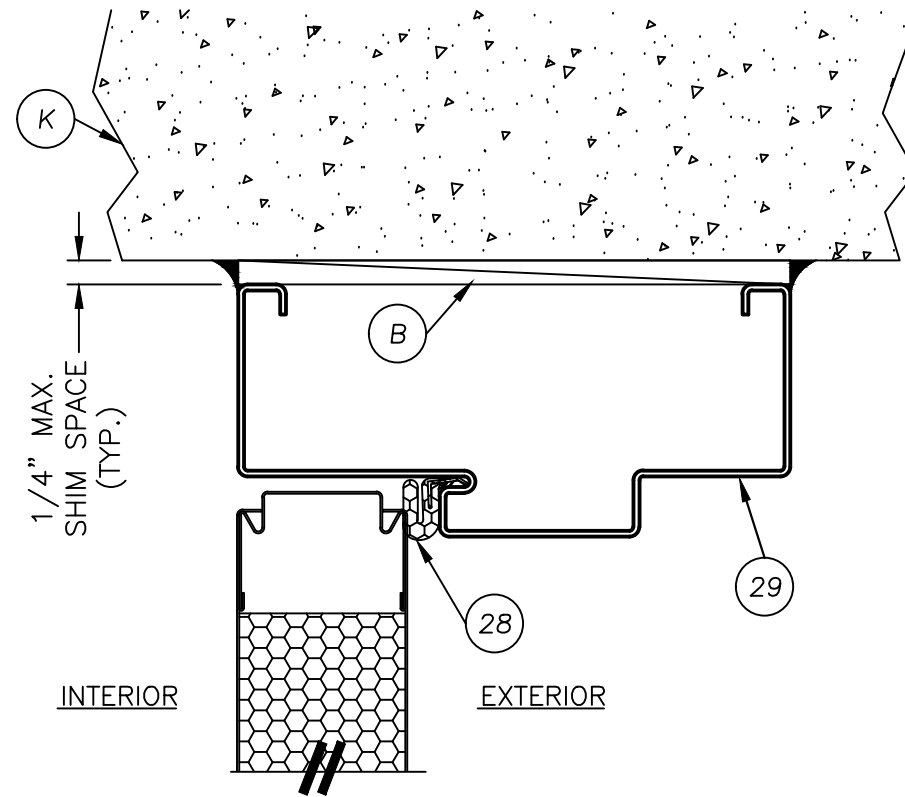
3 HORIZONTAL CROSS SECTION
5 INSWING SHOWN (OUTSWING SIMILAR)
MASONRY CONSTRUCTION



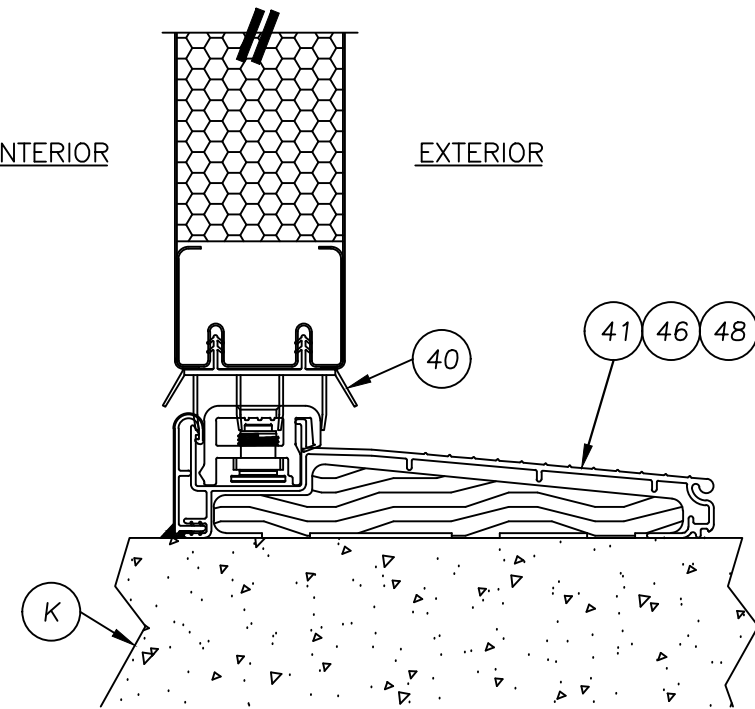
4 HORIZONTAL CROSS SECTION
5 INSWING SHOWN (OUTSWING SIMILAR)
MASONRY CONSTRUCTION



5 VERTICAL CROSS SECTION
5 @ THRESHOLD
MASONRY CONSTRUCTION



1 VERTICAL CROSS SECTION
5 INSWING SHOWN (OUTSWING SIMILAR)
MASONRY CONSTRUCTION



2 VERTICAL CROSS SECTION
5 @ THRESHOLD
MASONRY CONSTRUCTION

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

PRODUCT:
DUNBARTON
STEEL DOORS
IN A HOLLOW METAL FRAME
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	8/11/20	UPDATE TO 7TH ED. (2020) FBC	LFS
3	9/2/17	UPDATE TO 6TH ED. (2017) FBC	LFS
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1	10/18/12	REVISE TO 2010 FBC	JK

DATE: 07/26/07

SCALE: N.T.S.

DWG. BY: EW

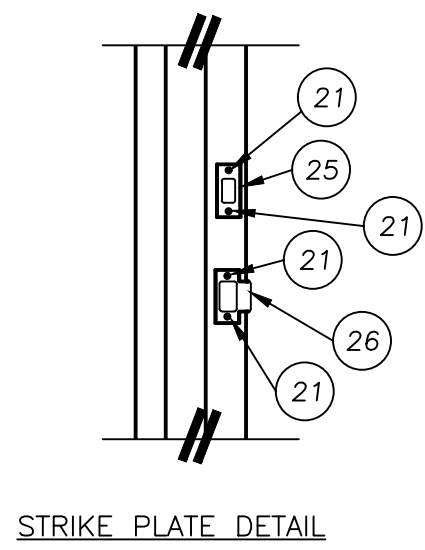
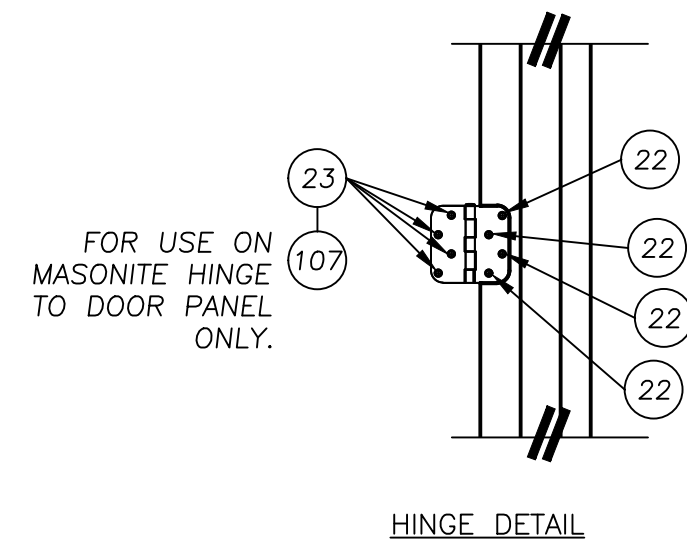
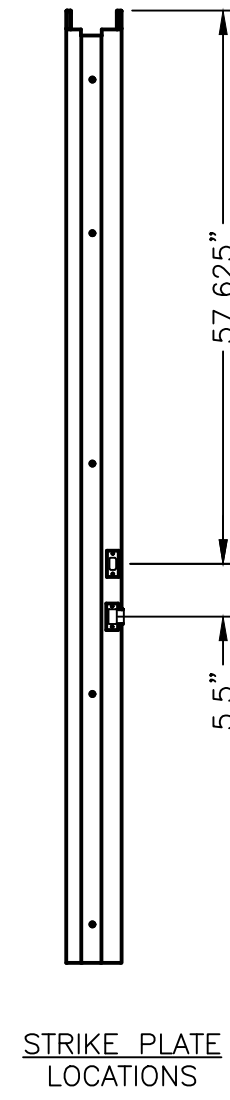
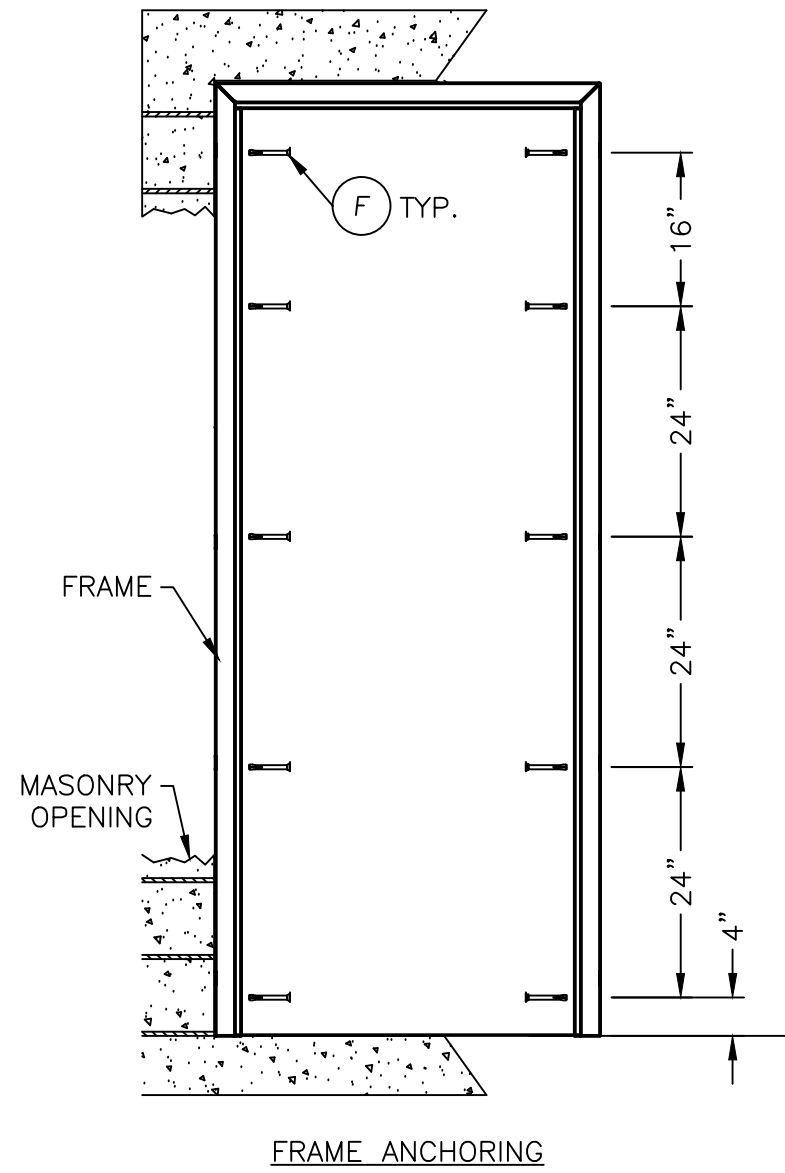
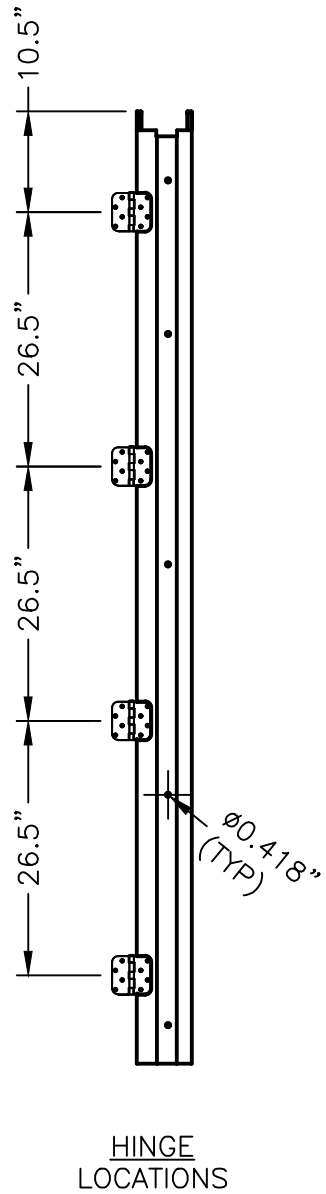
CHK. BY: LFS

DRAWING NO.: FL-9231.2

SHEET 5 OF 7

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CONCRETE ANCHOR NOTES:

1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. 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.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
DYNABOLT SLEEVE ANCHOR	3/8"	1-1/2"	2-1/4"	4-1/2"

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/11/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	9/2/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	3/18/15	UPDATE TO 5TH ED. (2014) FBC JK
1	10/18/12	REVISE TO 2010 FBC JK
		BY

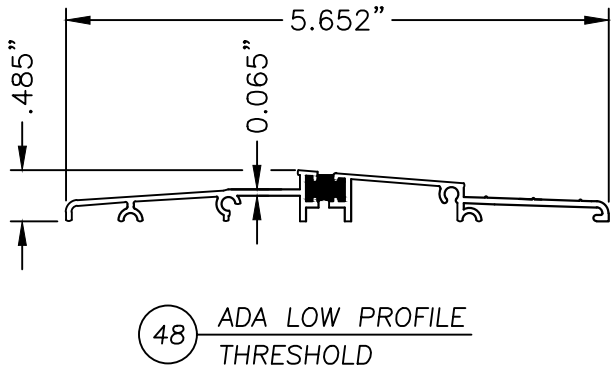
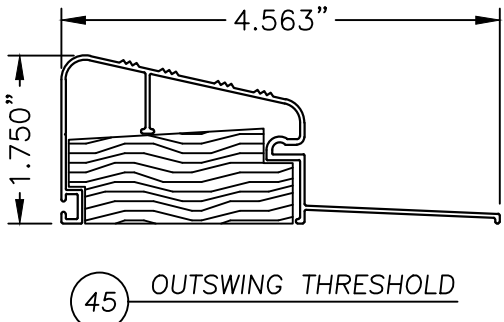
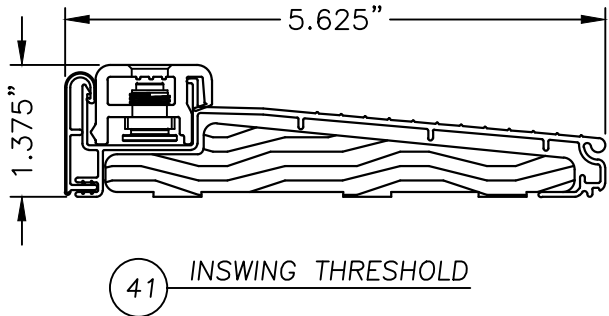
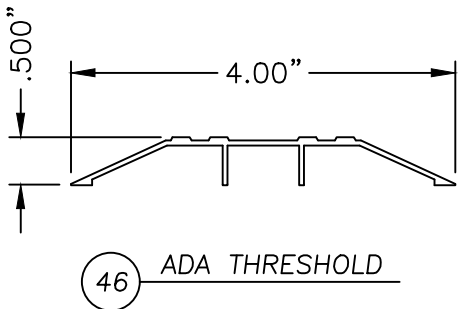
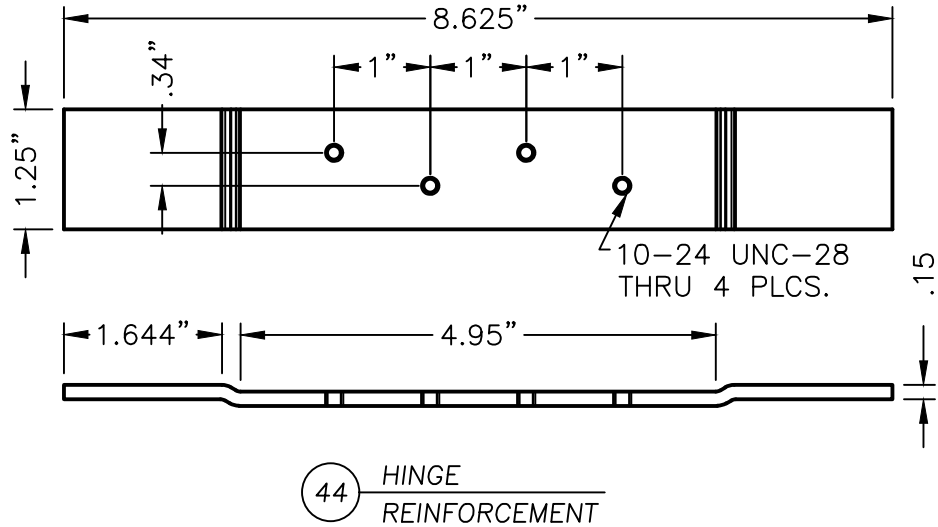
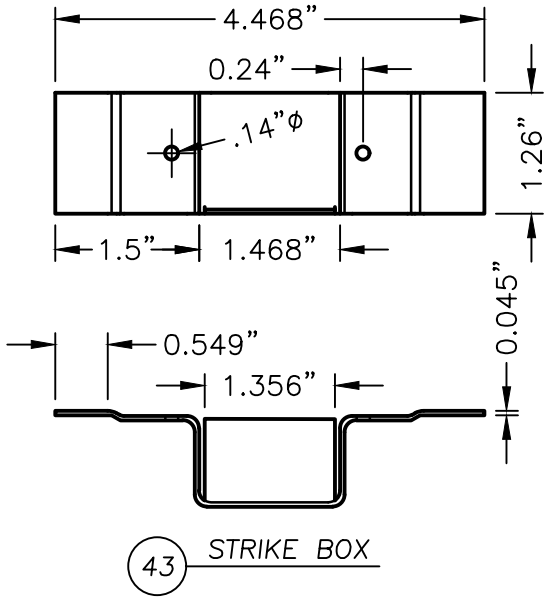
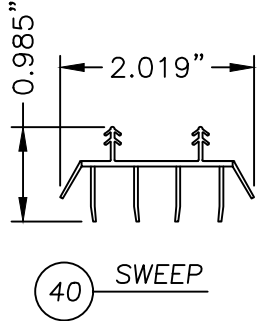
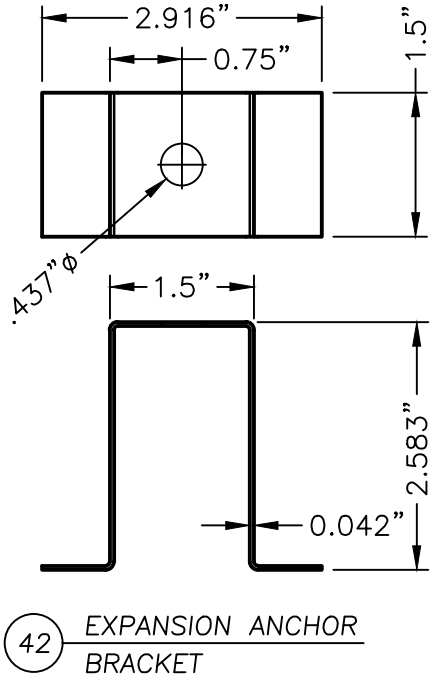
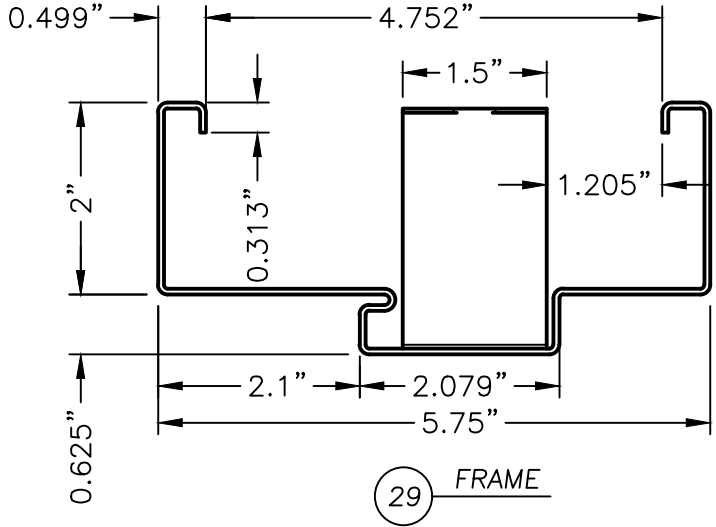
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DWG. BY: EW
CHK. BY: LFS
DRAWING NO.: FL-9231.2
SHEET 6 OF 7

PRODUCT:	DUNBARTON STEEL DOORS IN A HOLLOW METAL FRAME
PART OR ASSEMBLY:	FRAME ANCHORING

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
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	1/4" MAX. SHIM SPACE	WOOD
D	PASSAGE LOCK WES LOCK (600 SERIES)	STEEL
E	DEADBOLT WES LOCK (MODEL 371)	STEEL
D	PASSAGE LOCK YALE (YH COLLECTION SERIES)	STEEL
E	DEADBOLT YALE (YH COLLECTION SERIES)	STEEL
D	KWIKSET SERIES (200) PASSAGE LOCK	STEEL
E	KWIKSET SERIES (600) DEADBOLT	STEEL
F	3/8" ITW DYNABOLT SLEEVE ANCHOR	STEEL
K	MASONRY – 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
20	SEALANT	SILICONE
21	#6 X 1-1/2" PFH SMS	STEEL
22	#7 X 3/4" PFH SCREW	STEEL
23	#9 X 3/4" PFH SCREW	STEEL
25	DEADBOLT STRIKE PLATE	STEEL
26	LATCH STRIKE PLATE	STEEL
27	HINGE	STEEL
28	WEATHERSTRIP	FOAM
29	HOLLOW METAL FRAME SYSTEM	STEEL
40	DOOR BOTTOM SWEEP	VINYL
41	ENDURA ADJUSTABLE INSWING THRESHOLD	ALUM./WOOD
42	EXPANSION ANCHOR BRACKET ASTM A653 GR. 33	STEEL
43	STRIKE BOX	STEEL
44	HINGE REINFORCEMENT	STEEL
45	QOSR OUTSWING THRESHOLD	ALUM./COMP.
46	ADA THRESHOLD	ALUMINUM
85	STEEL DOOR SKIN – 0.022" THK. (TAYLOR STEEL DOOR)	STEEL
86	FOAM CORE: 2.0 lbs/FT³ DENSITY, Baytherm 863 (TAYLOR STL. DOOR)	POLYURETHANE
87	HINGE REINFORCEMENT (TAYLOR STEEL DOOR)	STEEL
88	LOCK BLOCK SPRUCE-PINE-FIR SG=.42 OR BETTER (TAYLOR STL. DOOR)	WOOD
90	LATCH STILE REINFORCEMENT (JELD-WEN STEEL DOOR)	WOOD
91	HINGE STILE REINFORCEMENT (JELD-WEN STEEL DOOR)	WOOD/COMP.
92	BOTTOM RAIL (JELD-WEN STEEL DOOR)	STEEL
93	HINGE / LATCH STILE & TOP RAIL (JELD-WEN STEEL DOOR)	STEEL
94	STEEL DOOR SKIN – 0.020" THK. (JELD-WEN STEEL DOOR)	STEEL
95	FOAM CORE –EPS 1.0 LBS. lbs/FT DENSITY (JELD-WEN STEEL DOOR)	POLYSTYRENE
96	LOCK BLOCK (JELD-WEN STEEL DOOR)	WOOD
100	STEEL DOOR SKIN – 0.020" THK. (MASONITE STEEL DOOR)	STEEL
101	FOAM CORE (BASF 2.0 to 2.5lbs./FT (MASONITE STL DOOR)	POLYURETHANE
102	DOOR TOP RAIL (MASONITE STEEL DOOR)	WOOD
103	DOOR BOTTOM RAIL (MASONITE STEEL DOOR)	COMPOSITE
104	PLASTIC LOCK RING (MASONITE STEEL DOOR)	PLASTIC
105	LOCK RING STYLE (MASONITE STEEL DOOR)	WOOD
106	HINGE REINFORCEMENT 14 GA. (MASONITE STEEL DOOR)	STEEL
107	HINGE TO DOOR SCREW #10-24x1/2" PFH M.S.(MASONITE STEEL DOOR)	STEEL
108	DOOR STYLE CLOSURE DETAIL (MASONITE STEEL DOOR)	STEEL



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 STEEL DOORS IN A HOLLOW METAL FRAME		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS	JK	BY
4	8/11/20	UPDATE TO 7TH ED. (2020) FBC	LFS	JK	BY
3	9/2/17	UPDATE TO 6TH ED. (2017) FBC	LFS	JK	BY
2	3/18/15	UPDATE TO 5TH ED. (2014) FBC	JK	JK	BY
1	10/18/12	REVISE TO 2010 FBC	JK	JK	BY
NO. DATE		REVISIONS			
DATE: 07/26/07					
SCALE: N.T.S.					
DWG. BY: EW					
CHK. BY: LFS					
DRAWING NO.: FL-9231.2					
SHEET 7 OF 7					