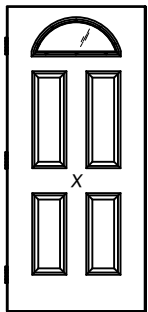


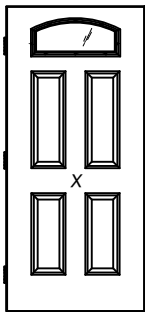


STEVE'S AND SONS

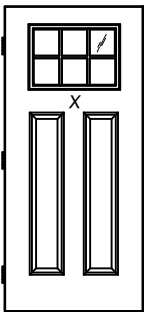
203 Humble Ave.
San Antonio, TX 78225



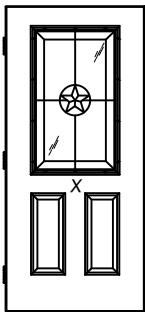
FAN LITE



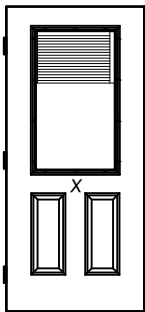
CAMBER TOP



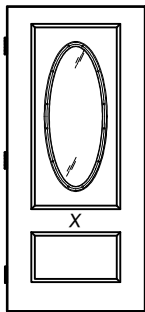
1/4 LITE



1/2 LITE



1/2 LITE
w/ MICROBLINDS

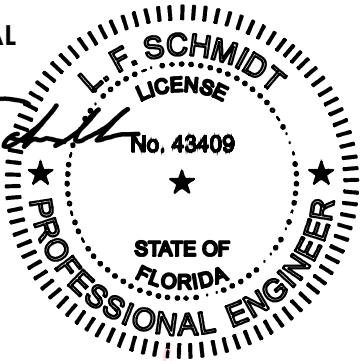


3/4 OVAL

ELEMENT COLLECTION

GLAZED STEEL DOOR
DOUBLE

INSWING/OUTSWING
"NON-IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2026.07.07 14:08:11 -04'00'

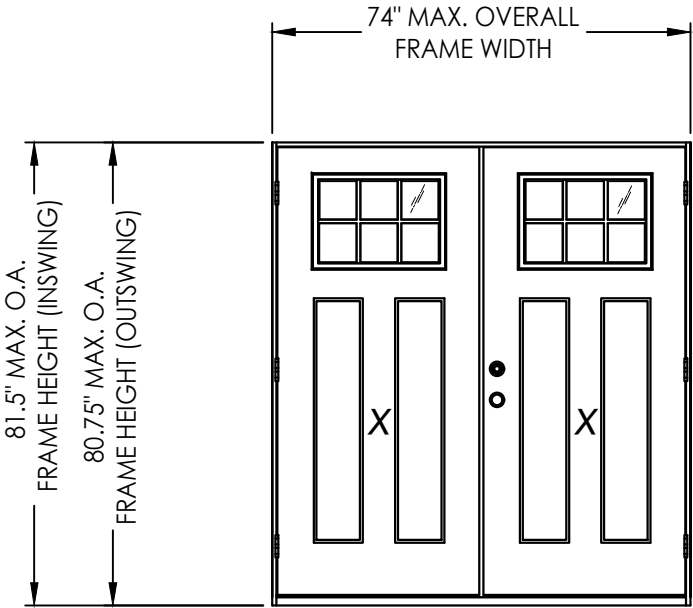
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 of the FBC.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. 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	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	7	Horizontal & Vertical Cross Sections (Direct to Masonry)
2	Door Panel Details	8	Vertical Cross Sections
3	Panel Options	9	Buck & Frame Anchoring & Hardware Details
4	Elevations	10	Door Lite Frame & Glazing Details
5	Horizontal & Vertical Cross Sections (2X Buck)	11	Bill of Materials & Components
6	Horizontal & Vertical Cross Sections (1X Buck)		



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 81.5"	+50.0	-50.0	+50.0	-50.0

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

STEVE'S & SONS
STEEL DOOR

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

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41471.2

SHEET 1 OF 11

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

REVISIONS

NO.	DATE	BY
3	7/02/26	LFS
2	8/02/23	LFS
1	8/11/22	LFS



G1 G2 G3 G4

STEEL DOOR SKIN: MIN. 0.020" THK.
CORE MATERIAL: POLYSTYRENE FOAM

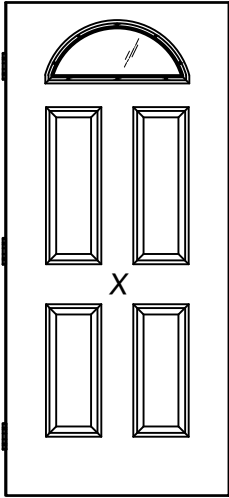


DATE:	4/26/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41471.2
SHEET	2 OF 11

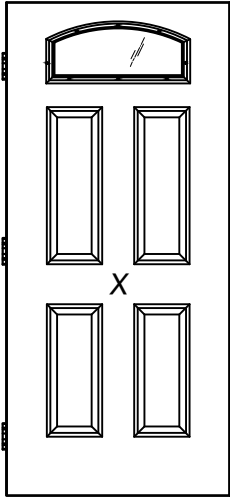
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

© 2022 R.W. BUILDING CONSULTANTS INC.

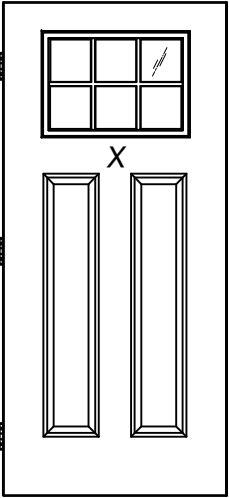
Z:\2023 FBC Drawings\Steves & Sons\FL-41471 R4\FL-41471.2.dwg



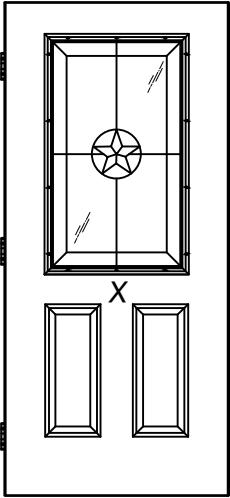
FAN LITE



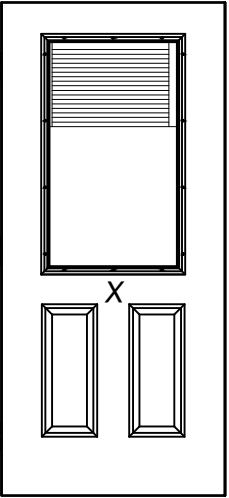
CAMBER TOP



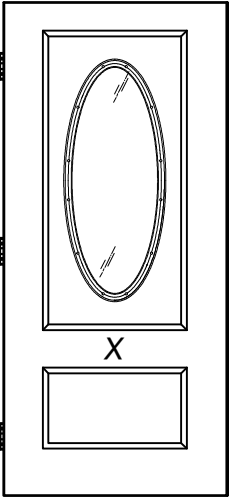
1/4 LITE



1/2 LITE



1/2 LITE
w/ MICROBLINDS



3/4 OVAL

ELEMENT COLLECTION

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41471.2

SHEET 3 OF 11

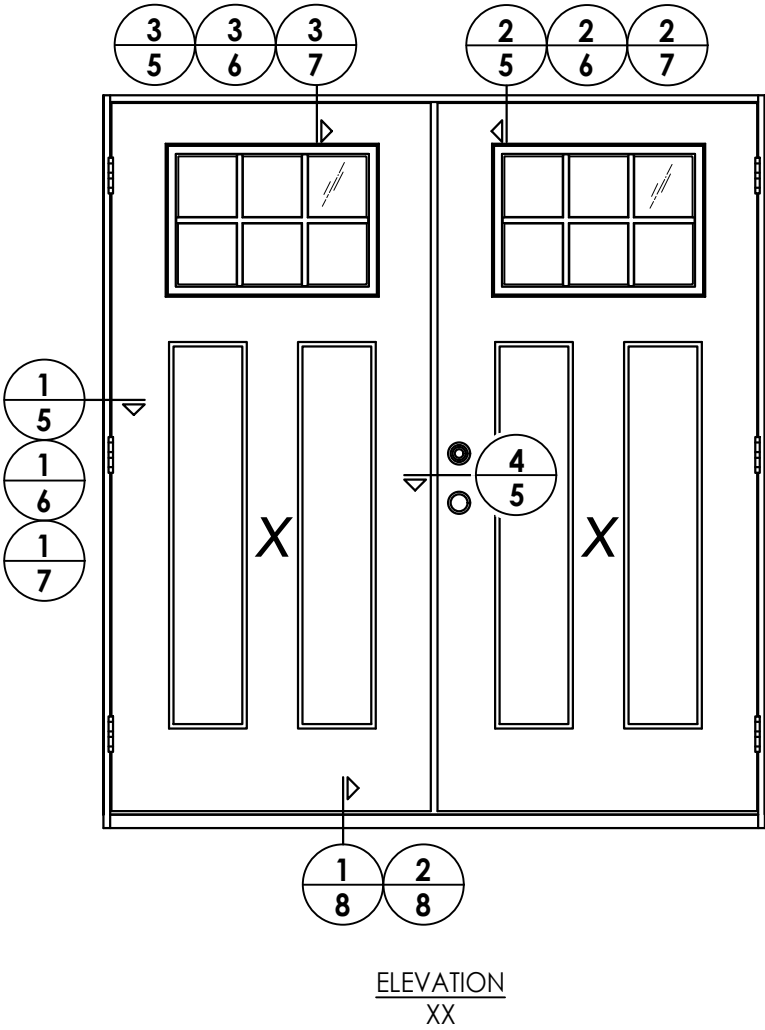
REVISIONS			
NO.	DATE	REVISION	BY
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/02/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	8/11/22	REVISE FOR NEW TESTING/ASTRAGAL	LFS

PRODUCT: STEVES & SONS STEEL DOOR

PART OR ASSEMBLY: PANEL OPTIONS

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



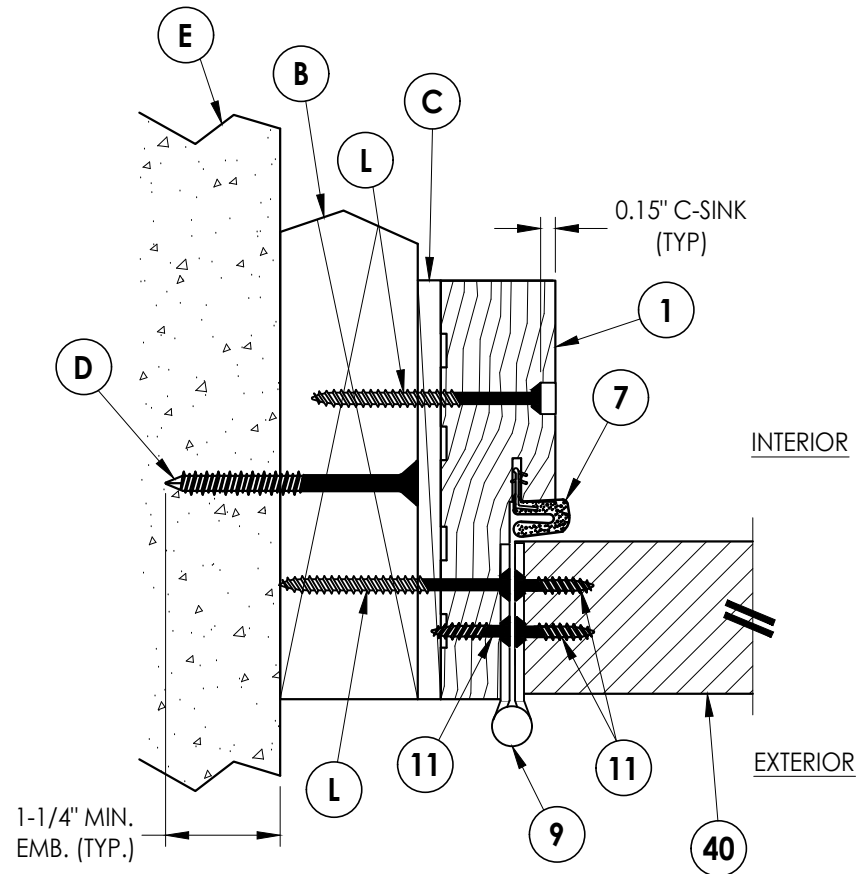
DATE: 4/26/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41471.2
SHEET 4 OF 11

3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/02/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/11/22	REVISE FOR NEW TESTING/ASTRAGAL	LFS	BY
NO	DATE	REVISIONS		

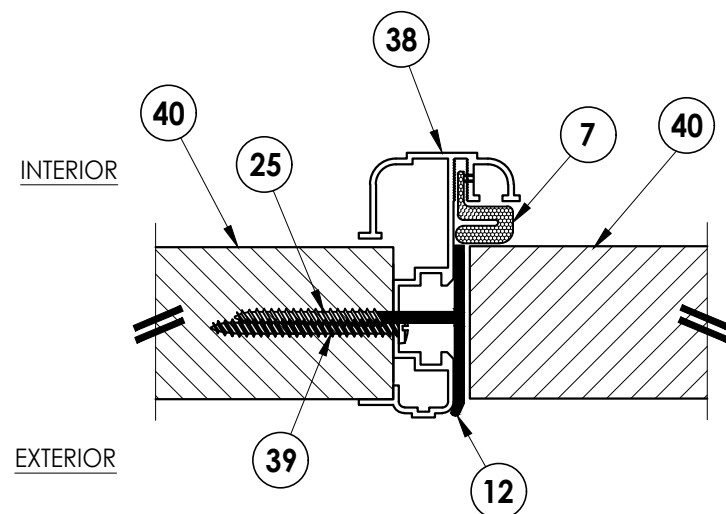
PRODUCT:	STEVES & SONS STEEL DOOR
	PART OR ASSEMBLY: ELEVATIONS

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

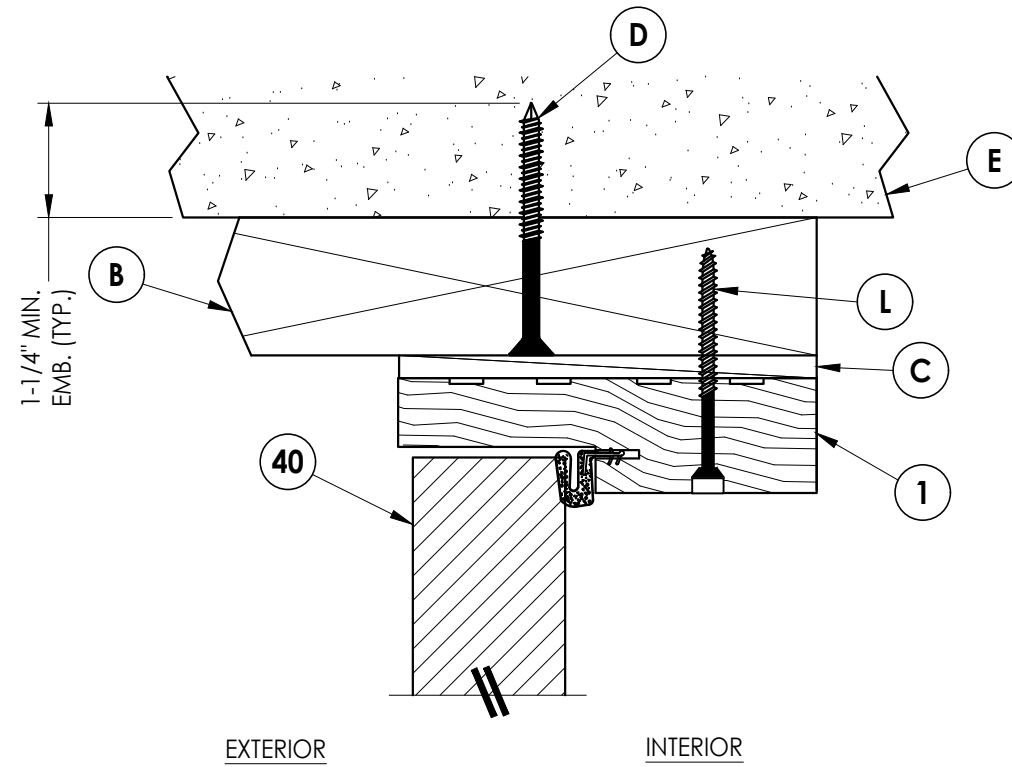
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



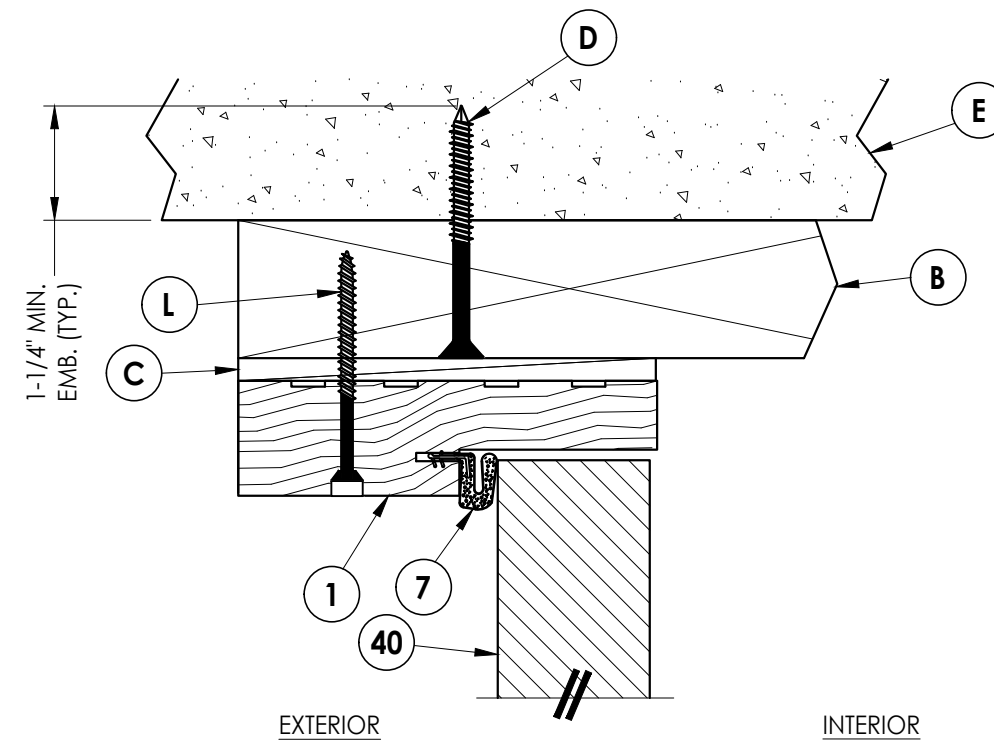
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



4 **HORIZONTAL CROSS SECTION**
 5 Outswing shown (Inswing similar)



2 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
 Outswing shown



3 VERTICAL CROSS SECTION
5 Shown w/ 2X Buck
Inswing shown

3	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	
2	8/02/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
1	8/11/22	REVISE FOR NEW TESTING	/ASTRAGAL		LFS	
NO.	DATE				BY	
						REVISIONS

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

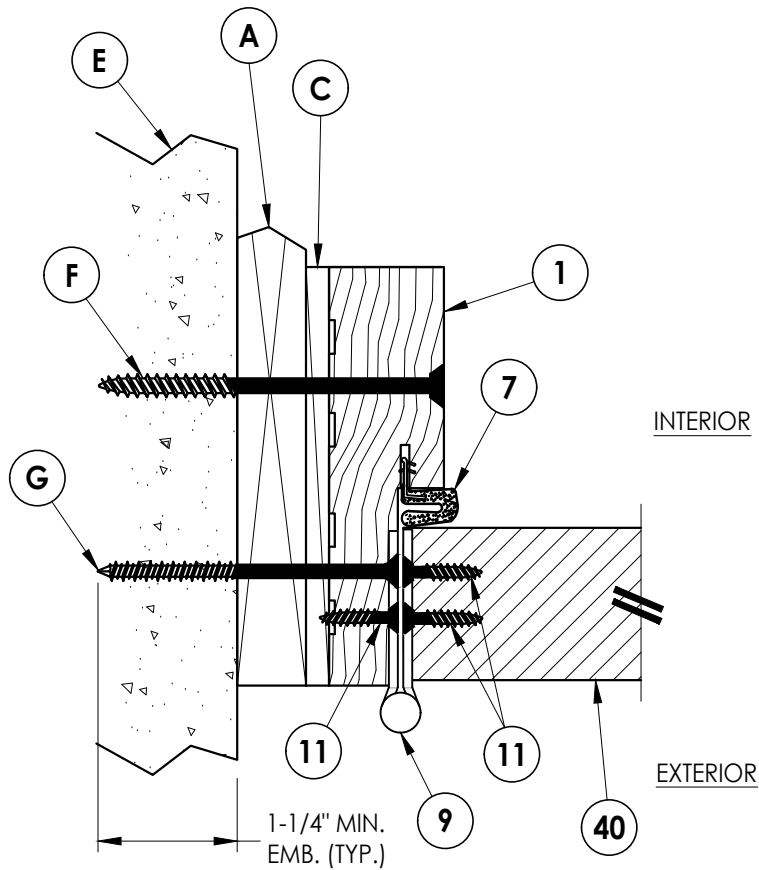
FL-41471.2

SHEET 5 OF 11

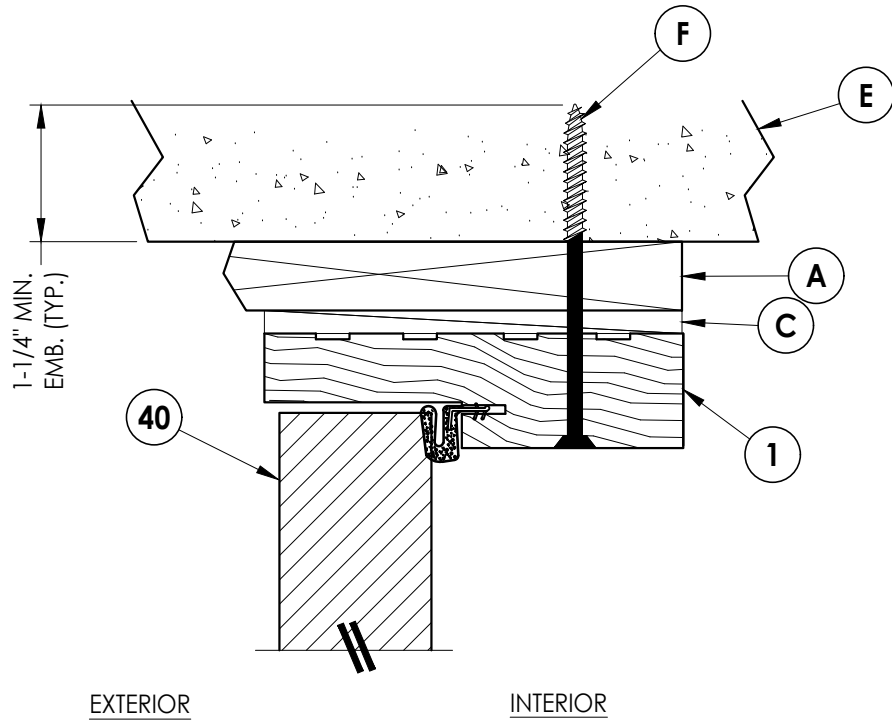
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

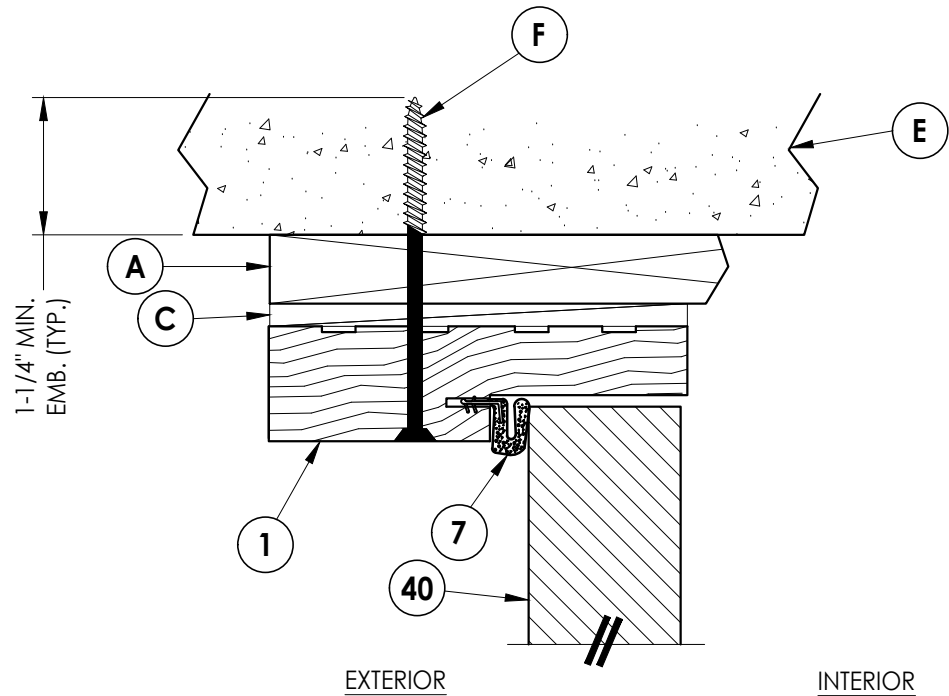
Z:\2023 FBC Drawings\Steves & Sons\FL-41471 R4\FL-41471.2.dwg



1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)

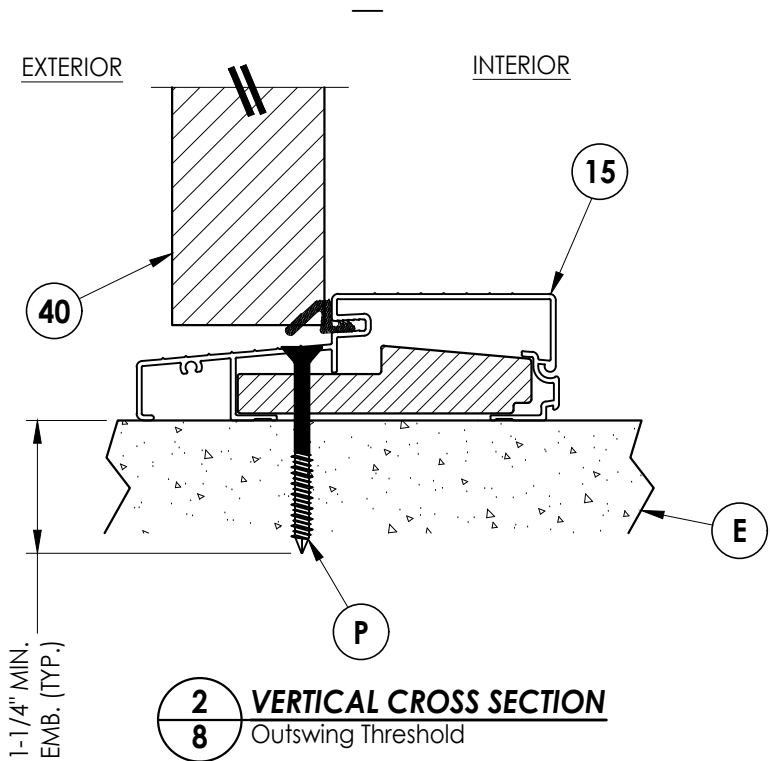
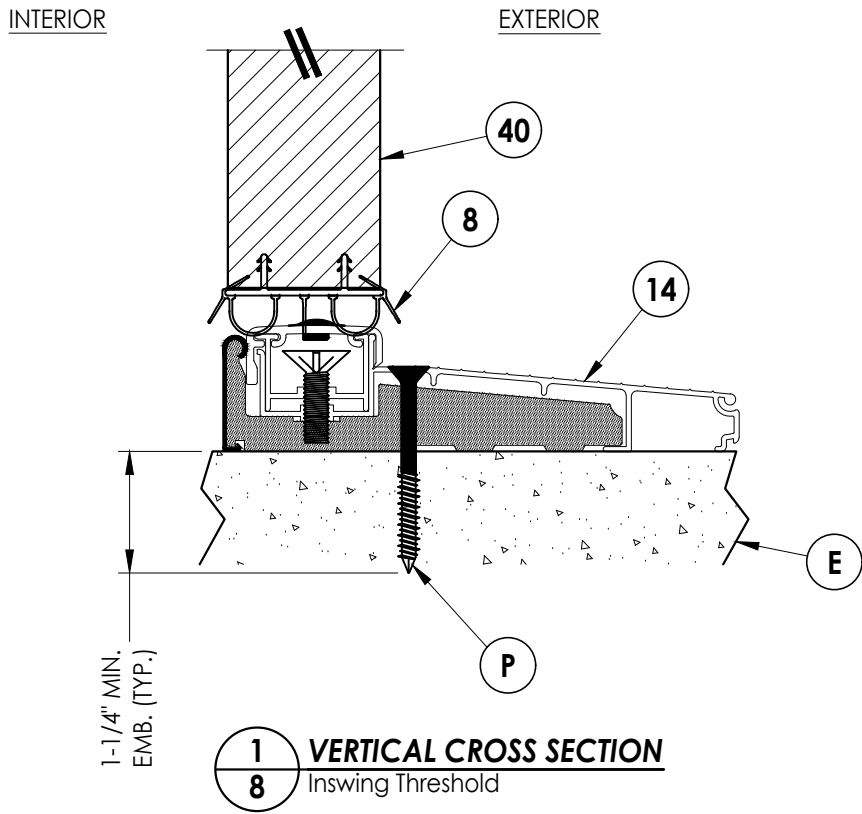


2
6 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown



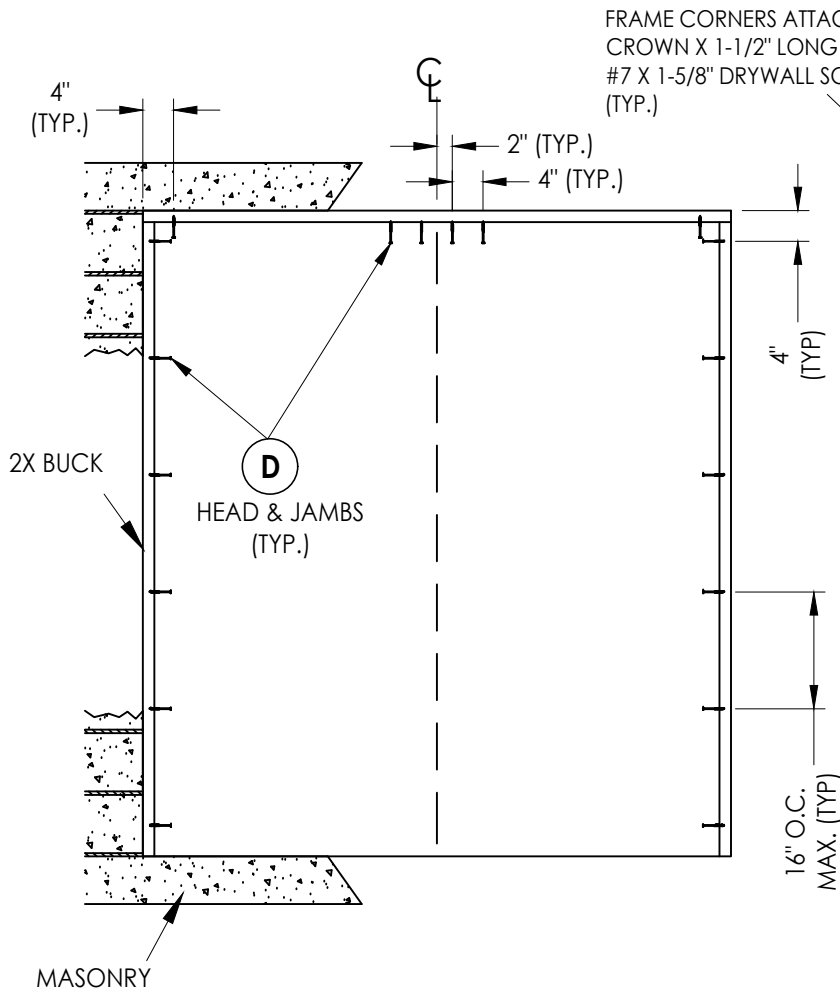
3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Inswing shown

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:		STEVE'S & SONS STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
				LFS			
				FBC			
				FBC			
				FBC			
				ASTRAGAL			
				BY			
				NO.	DATE		
				REVISIONS			
				3	7/02/26	UPDATE TO 9TH ED. (2026)	
				2	8/02/23	UPDATE TO 8TH ED. (2023)	
				1	8/11/22	REVISE FOR NEW TESTING/ASTRAGAL	
DATE: 4/26/22							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-41471.2							
SHEET 6 OF 11							

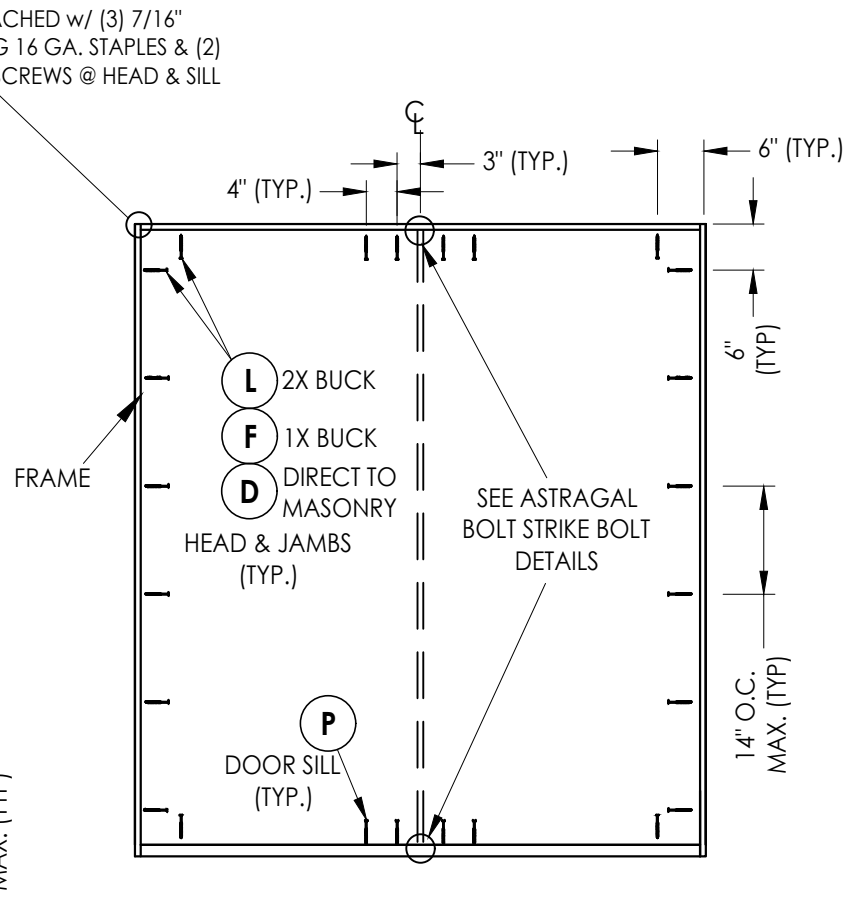


DATE: 4/26/22		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		STEVES & SONS		Lyndon F. Schmidt	
DWG. BY: RW		STEEL DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-41471.2		VERTICAL CROSS SECTIONS			
SHEET 8 OF 11					

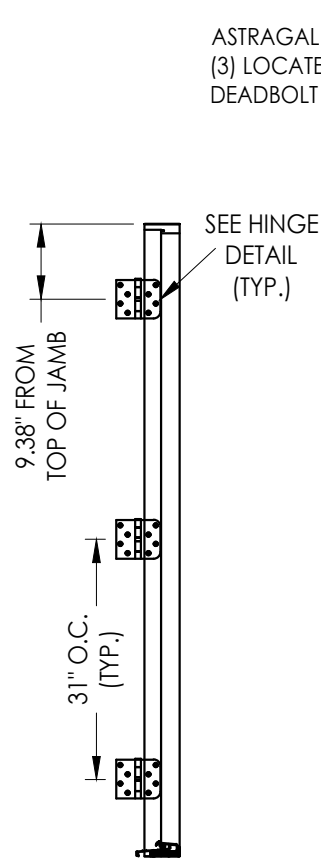
Z:\2023 FBC Drawings\Steves & Sons\FL-41471 R4\FL-41471.2.dwg



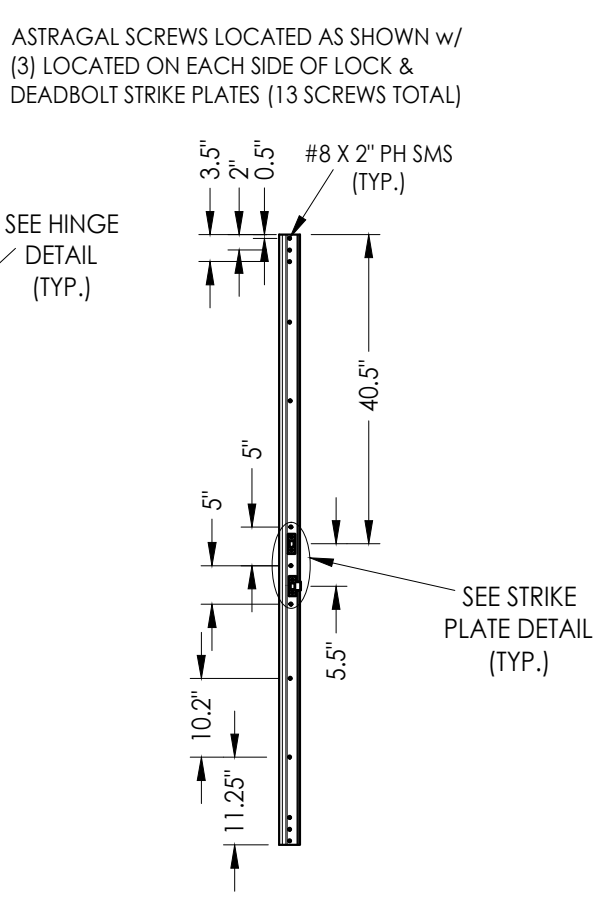
2X BUCK ANCHORING



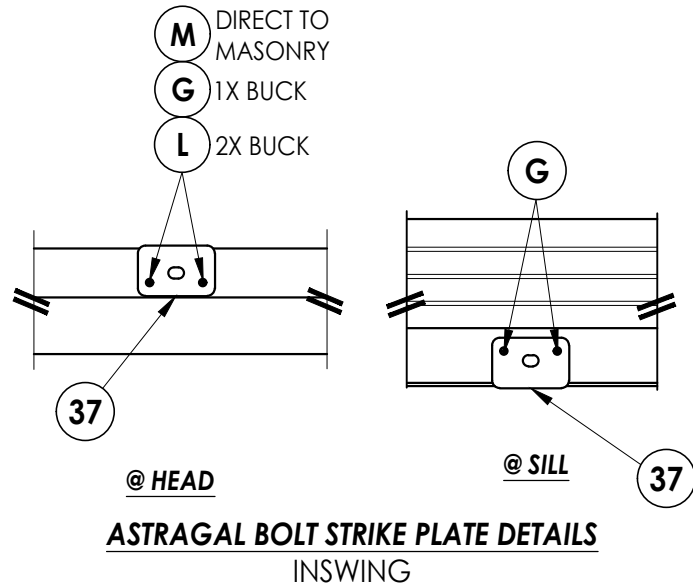
FRAME ANCHORING



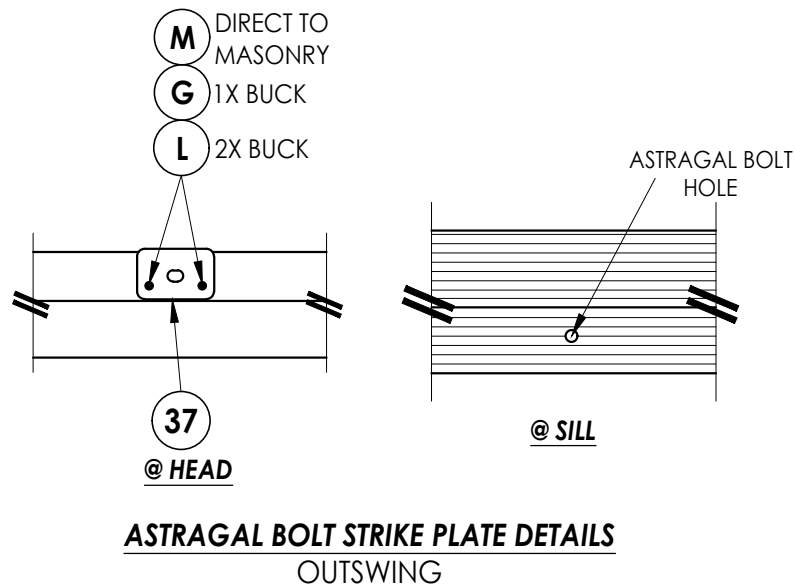
HINGE JAMB



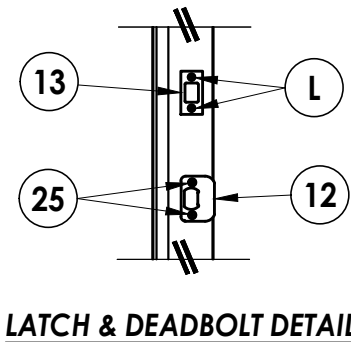
ASTRAGAL



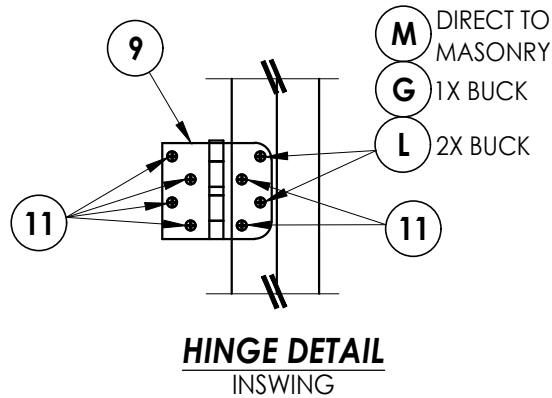
ASTRAGAL BOLT STRIKE PLATE DETAILS
INSWING



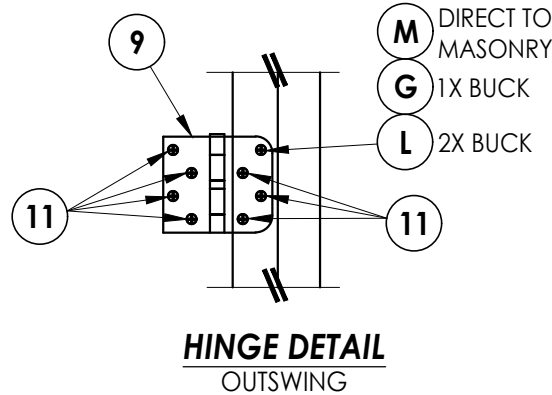
ASTRAGAL BOLT STRIKE PLATE DETAILS
OUTSWING



LATCH & DEADBOLT DETAIL



HINGE DETAIL
INSWING



HINGE DETAIL
OUTSWING

HARDWARE DETAILS

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:
STEVE'S & SONS
STEEL DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC
2	8/02/23	UPDATE TO 8TH ED. (2023) FBC
1	8/11/22	REVISE FOR NEW TESTING/ASTRAGAL
		BY

DATE: 4/26/22

SCALE: N.T.S.

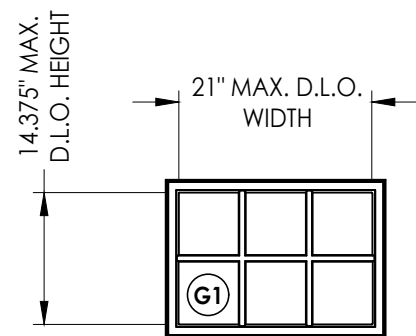
DWG. BY: RW

CHK. BY: LFS

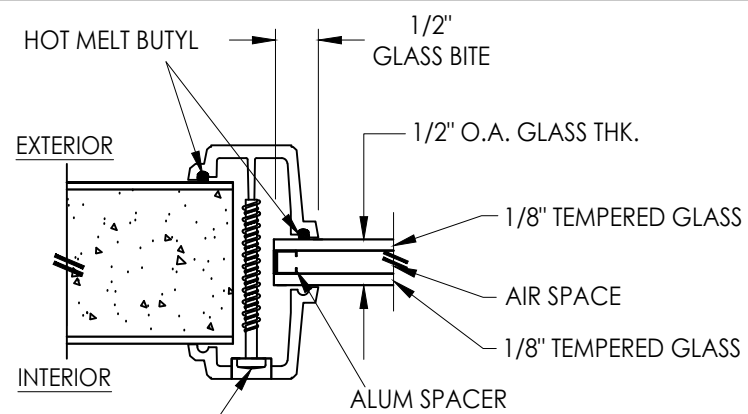
DRAWING NO.:

FL-41471.2

SHEET 9 OF 11

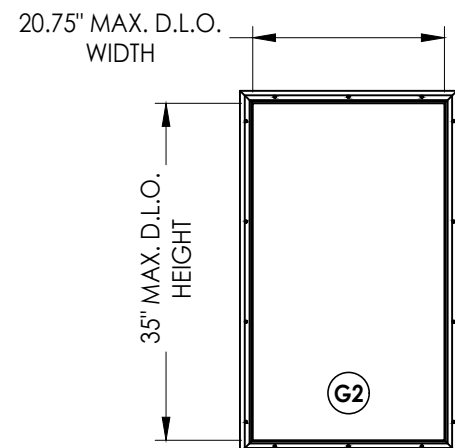


**1/4 LITE
w/ FALSE MUNTINS**

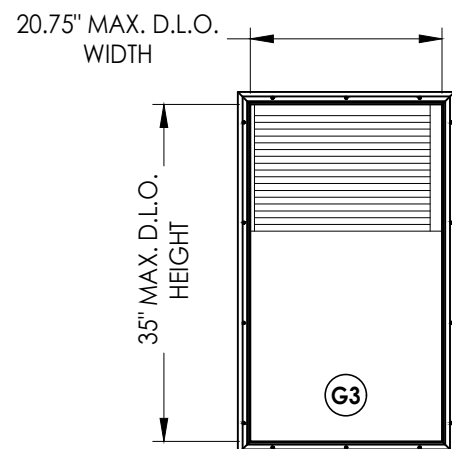


#8 X 1-1/2" PH SMS (HI-LO THREAD)
(10 TOTAL)

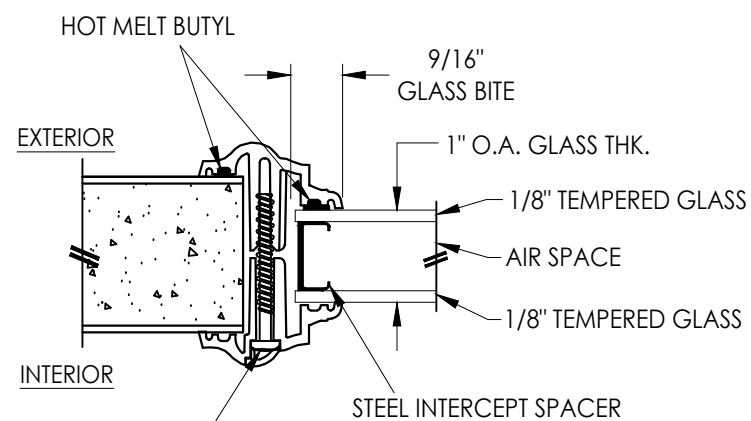
G1 GLAZING DETAIL
ODL CRAFTSMAN LITE FRAME
HP POLYPROPYLENE



1/2 LITE

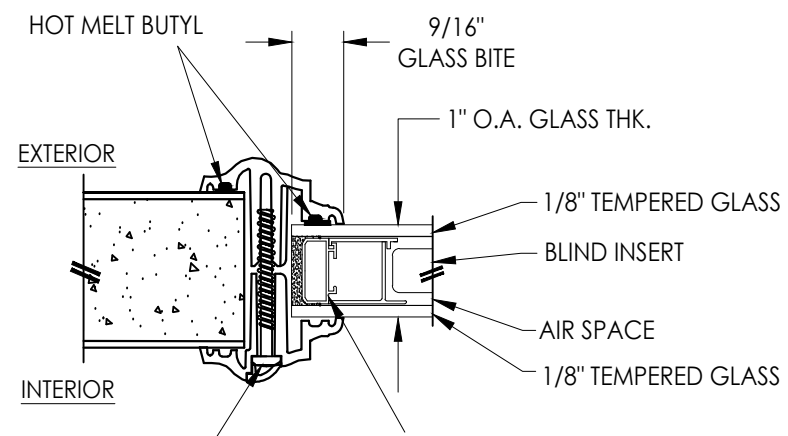


**1/2 LITE
w/ MICROBLINDS**



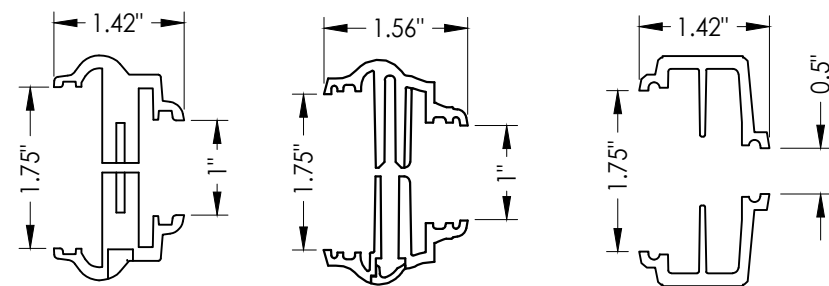
#8 X 1-1/2" PPH SMS
(HI-LO THREAD)
(14 TOTAL)

G2 **GLAZING DETAIL**
ODL LITE FRAME
EVOLVE (CLEAR)

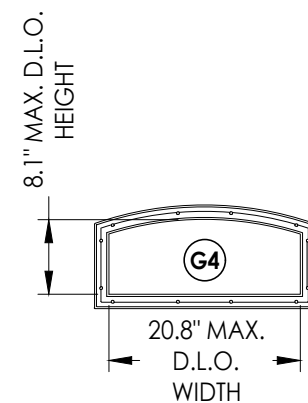


#8 X 1-1/2" PPH SMS
(HI-LO THREAD)
(14 TOTAL)

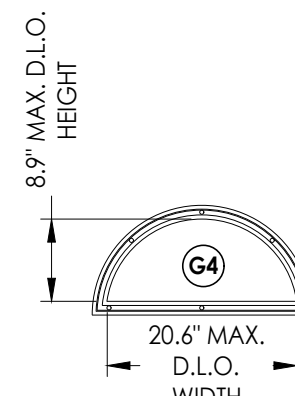
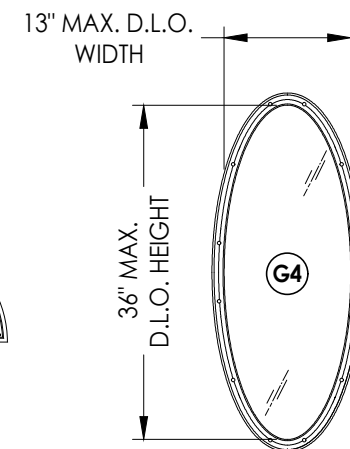
G3 GLAZING DETAIL
ODL LITE FRAME
EVOLVE (w/ BLINDS)



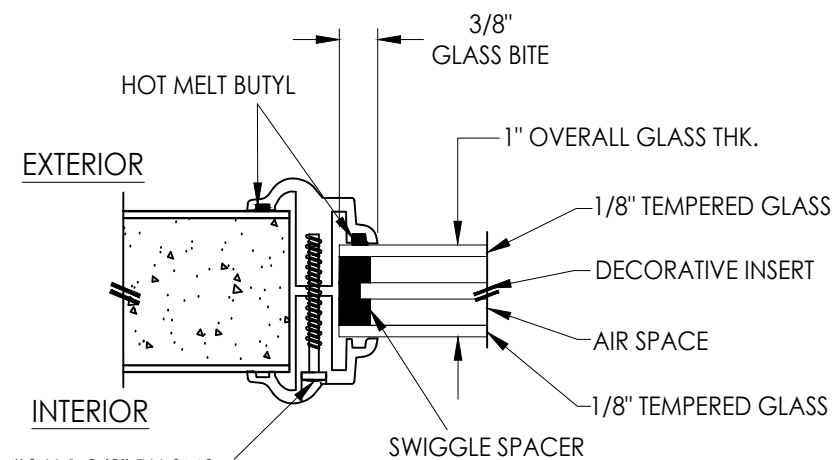
TKI PRODUCTS LITE FRAME ODL LITE FRAME (EVOLVE) ODL LITE FRAME (CRAFTSMAN)



CAMBER TOP

**FAN LITE**

3/4 OVAL



#8 X 1-3/8" PH SMS
(12 TOTAL OVAL LITE)
(12 TOTAL CAMBER TOP)
(6 TOTAL FAN LITE)

G4 GLAZING DETAIL
TKI PRODUCTS LITE FRAME

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STEVES & SONS
STEEL DOOR

STEEL DOOR
R ASSEMBLY:
DOOR LITE FRAME &
GLAZING DETAILS

[illegible]

Z:\2023 FBC Drawings\Steves & Sons\FL-41471 R4\FL-41471 2.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
J	#10 X 3" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
37	ASTRAGAL STRIKE PLATE	STEEL
38	ALUMINUM ASTRAGAL	ALUM
39	#8 X 2" PH SMS	STEEL
40	DOOR PANEL	-

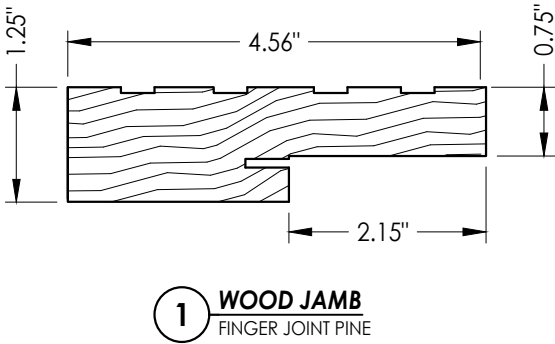
CONCRETE ANCHOR NOTES:

- 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:

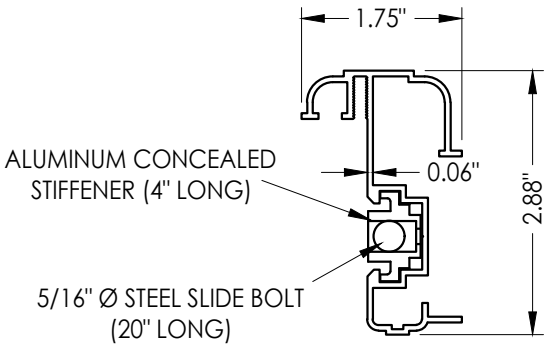
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
DeWALT ULTRACON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

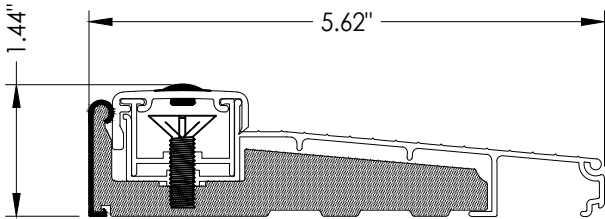
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



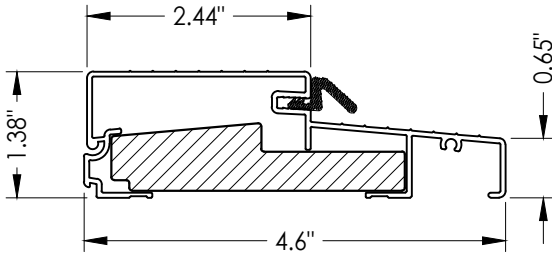
1 WOOD JAMB
FINGER JOINT PINE



38 ALUMINUM ASTRAGAL
DLP



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia

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:	STEVES & SONS STEEL DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/02/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/22	REVISE FOR NEW TESTING/ASTRAGAL LFS

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41471.2

SHEET 11 OF 11