



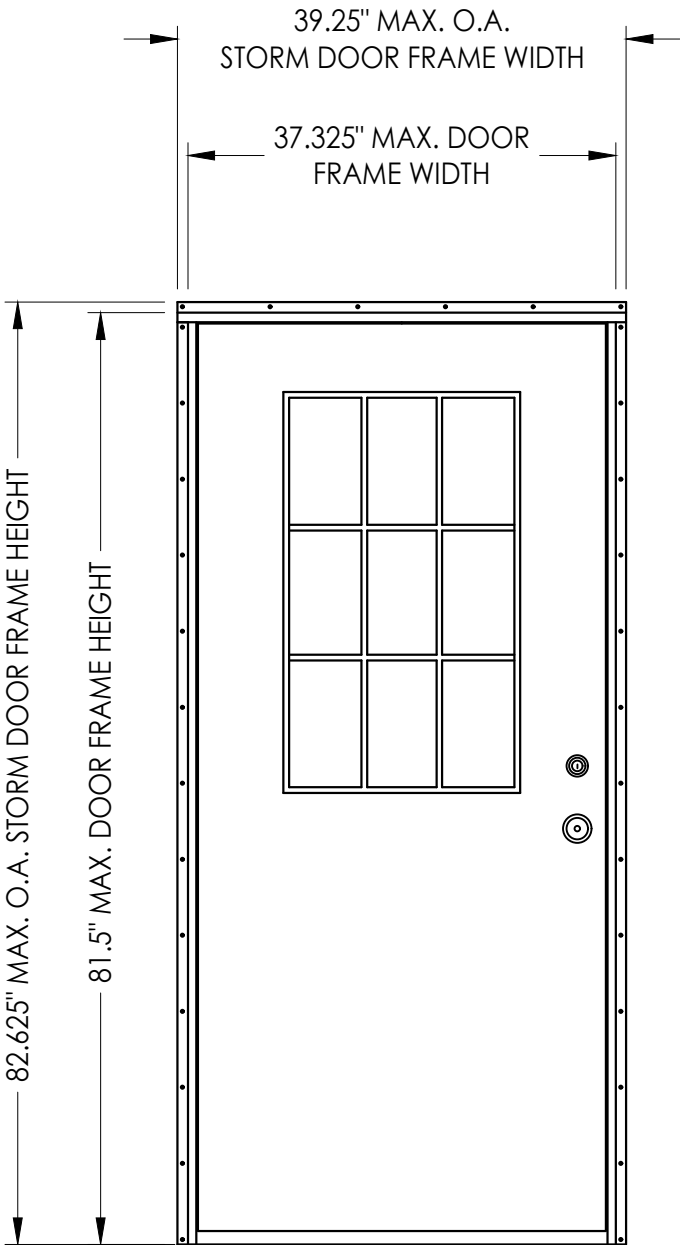
3501 CR 6 EAST
ELKHART, IN 46514

SERIES 7660
GLAZED STEEL ENTRY DOOR
w/ STORM DOOR
"NON-IMPACT"

GENERAL NOTES

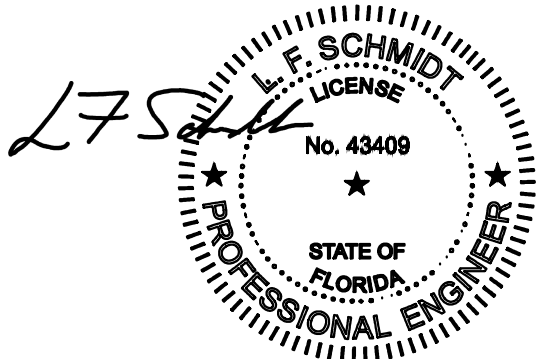
1. This product anchoring drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) excluding the "High Velocity Hurricane Zone". See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing, stucco, foam, brick and other wall coverings.
3. Wood screws shall be installed following installation instructions of ANSI/AWC NDS 2018. All other fastener types to be installed following fastener manufacturer's installation instructions.
4. Fastener embedment depths, edge distances and center-center distances shall be as specified by the fastener manufacturer but in no instance shall they be less than shown in this drawing.
5. Where shims are used, they must be a "rigid / stiff" material that complies with the requirements of the FBC.
6. Positive and negative design pressure requirements for use with this drawing shall be determined by others for specific jobs in accordance with the governing code.
7. Site conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck and frame anchoring
5	Bill of materials and glazing details



Note: Storm door not shown for clarity.

MAX. O.A. STORM DOOR DIMENSION	MAX. O.A. FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
39.25" x 82.625"	37.375" x 81.5"	+50.0	-50.0



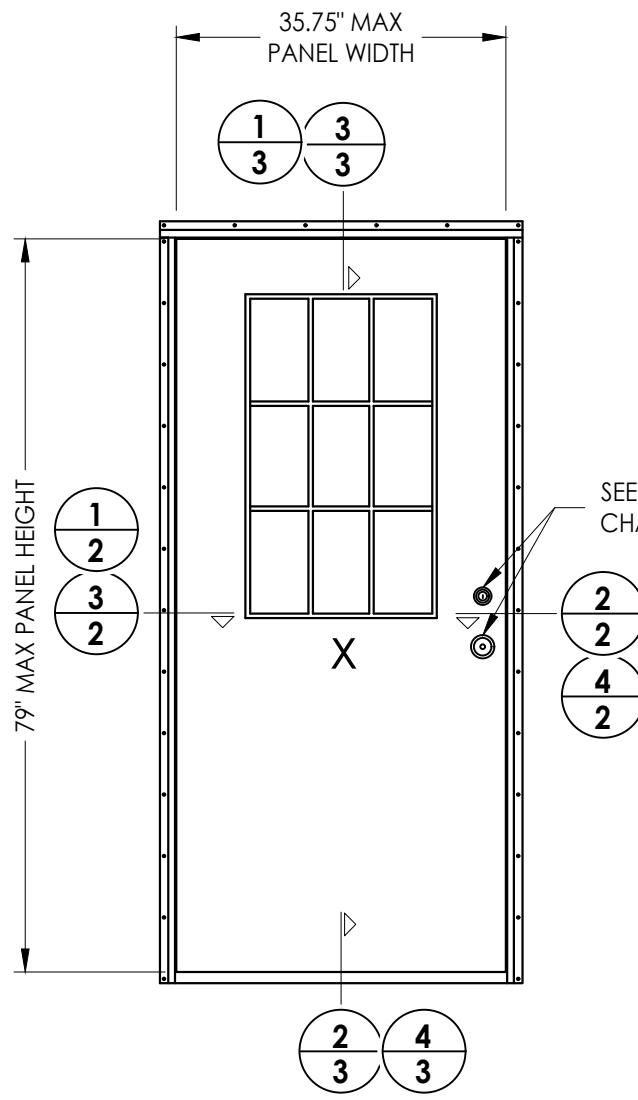
Digitally signed by Lyndon F Schmidt
Date: 2023.10.11 11:41:29 -04'00'

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.

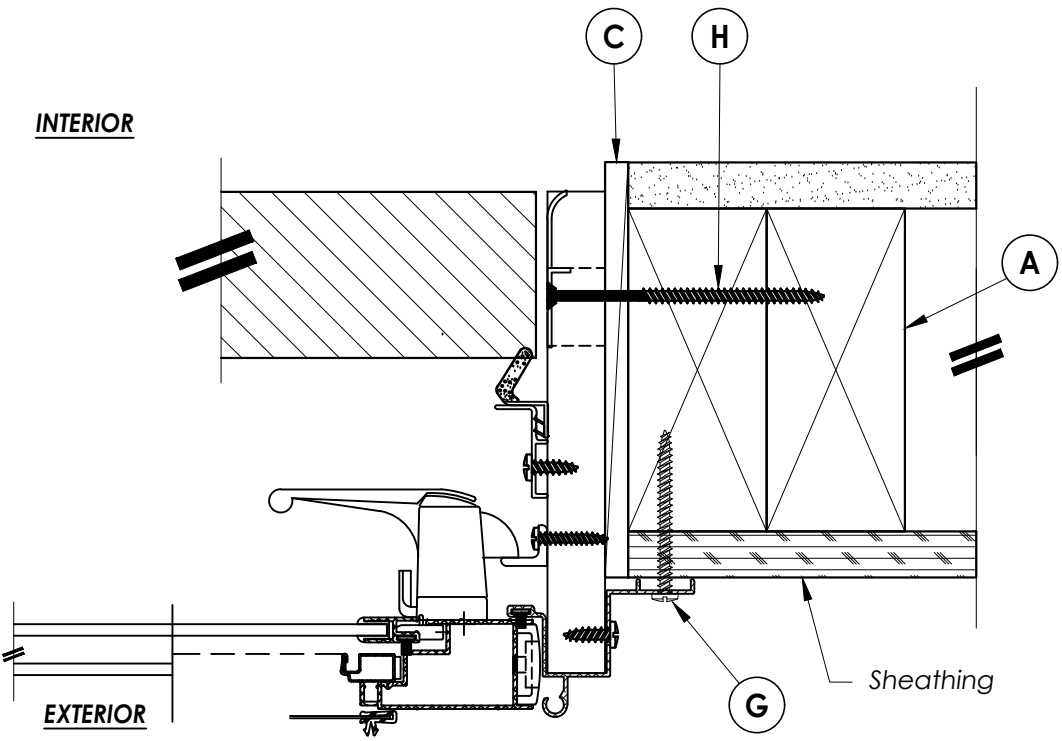
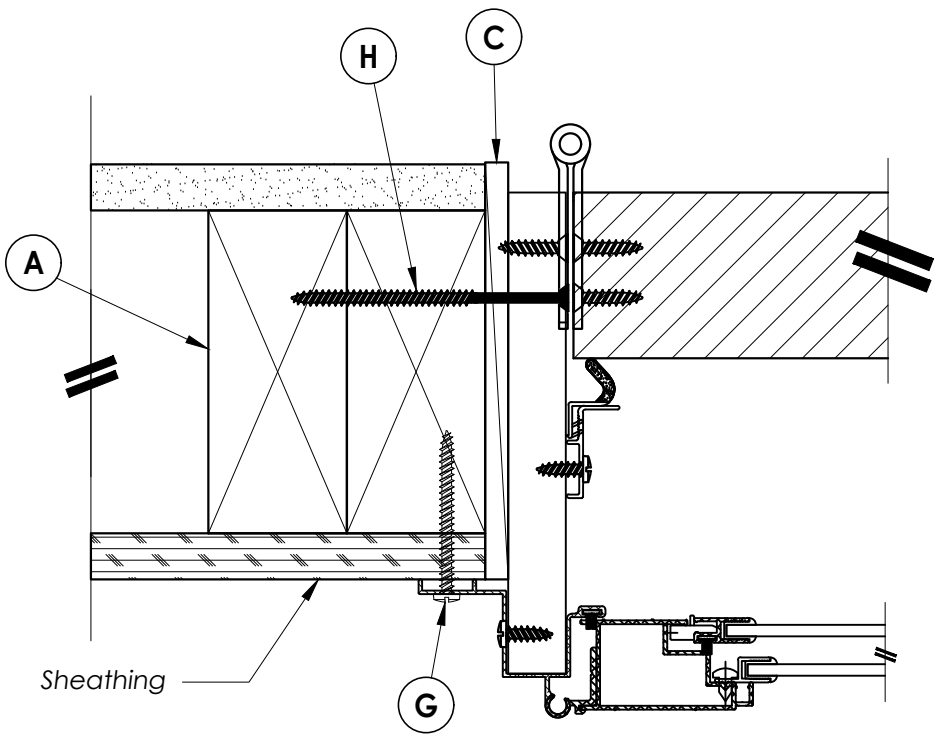
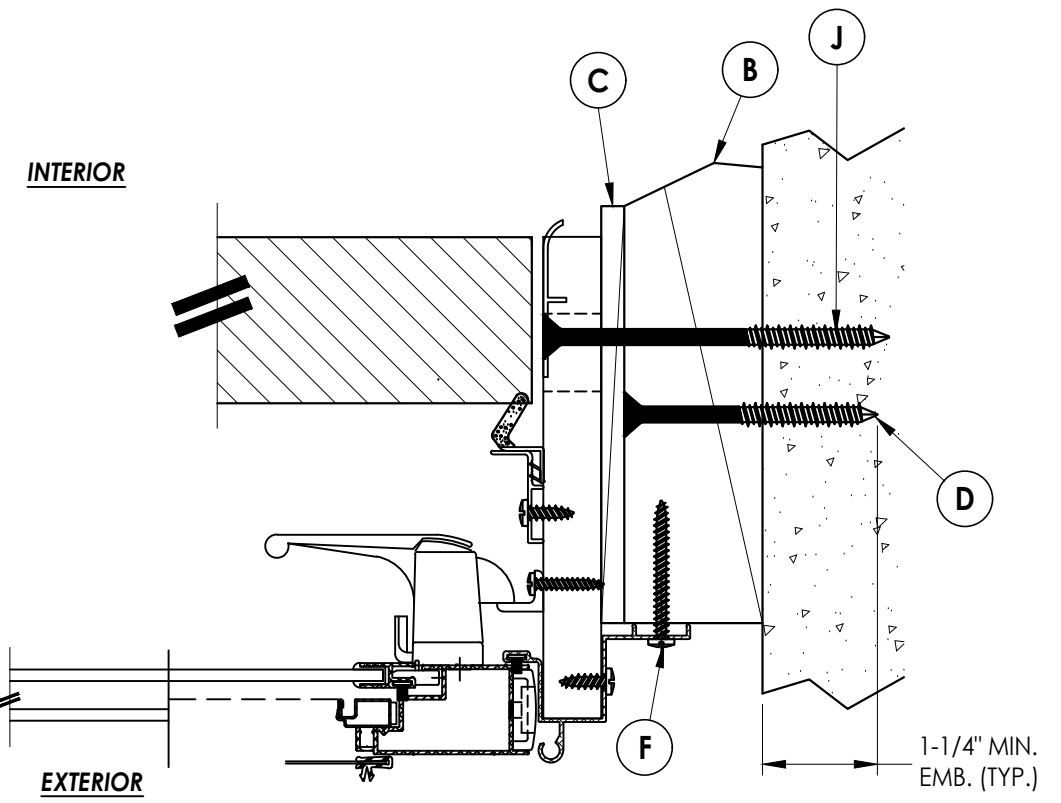
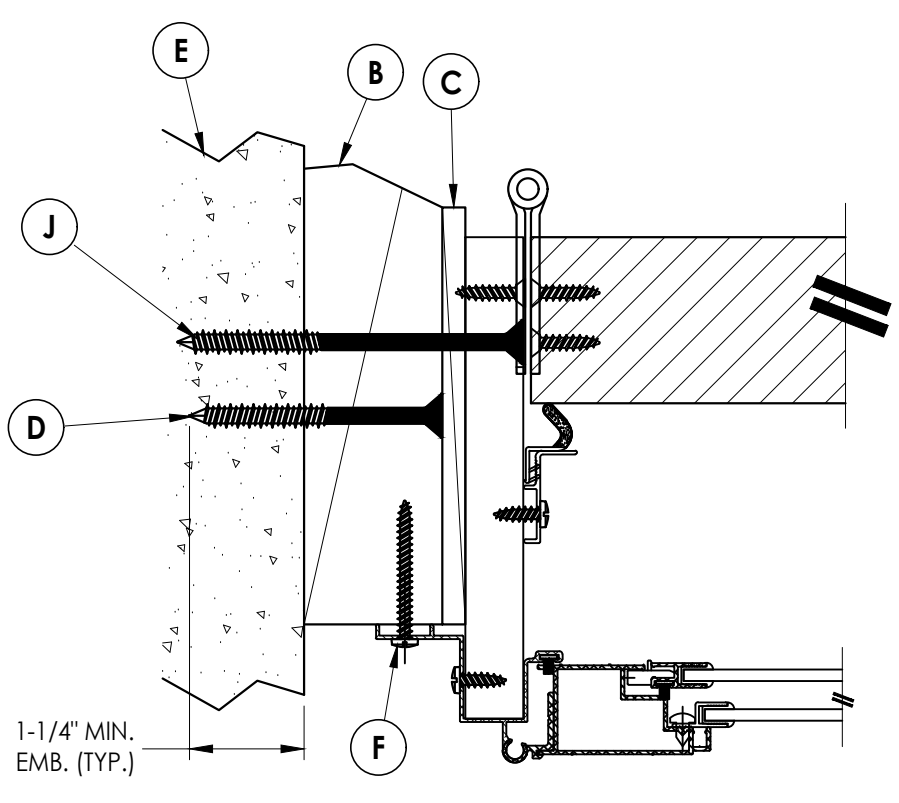
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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: STEEL ENTRY DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		
6	10/04/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5	10/26/22	UPDATE FOR NEW TESTING		LFS
4	8/12/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
3	10/30/17	REVISE STORM DOOR PROFILE		JK
2	10/03/17	UPDATE TO 6TH ED. (2017)	FBC	JK
1	2/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				
DATE: 1/21/13				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-16170.1				
SHEET 1 OF 5				

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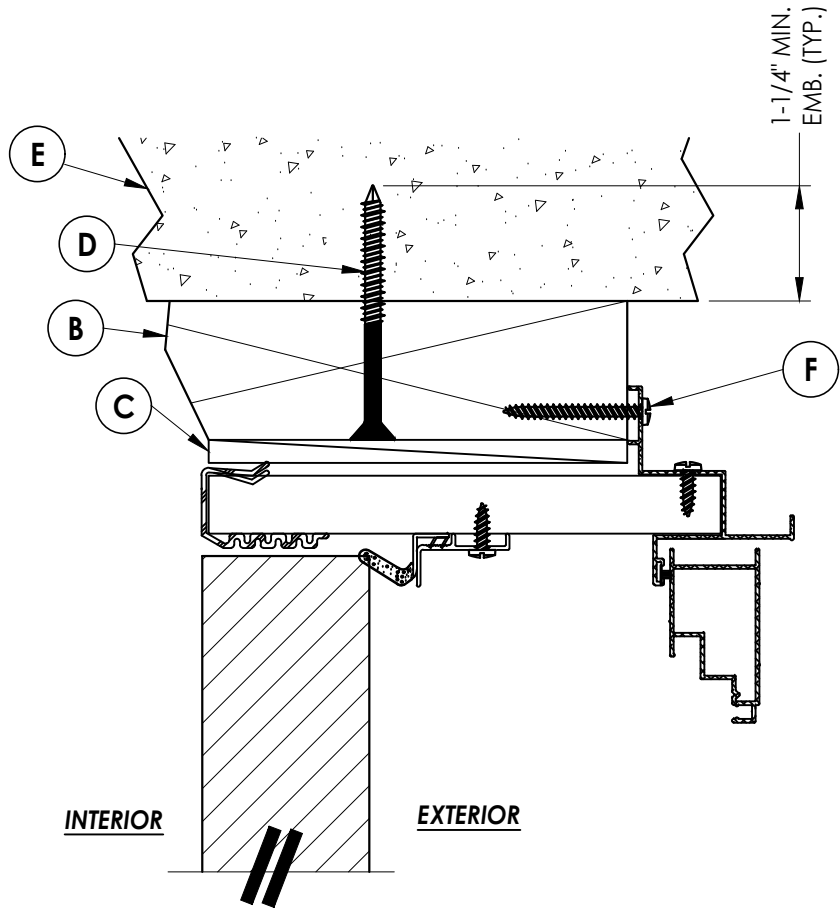


HARDWARE CHART		
MANUFACTURER	MODEL	
EZSET (by DELANEY)	LOCK:	#230498
	DEADBOLT:	#230486

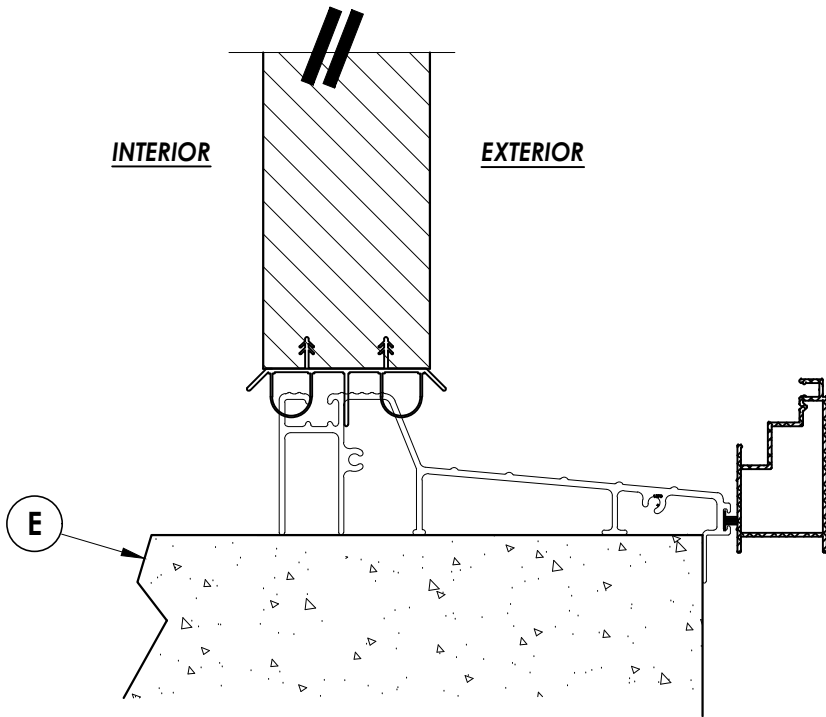


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PRODUCT: STEEL ENTRY DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
LFS	10/04/23	UPDATE TO 8TH ED. (2023)	FBC
LFS	10/26/22	UPDATE FOR NEW TESTING	
DAC	8/12/20	UPDATE TO 7TH ED. (2020)	FBC
JK	10/30/17	REVISE STORM DOOR PROFILE	
JK	10/03/17	UPDATE TO 6TH ED. (2017)	FBC
JK	2/23/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE	REVISIONS	
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4	8/12/20	UPDATE TO 7TH ED. (2020)	
3	10/30/17	REVISE STORM DOOR PROFILE	
2	10/03/17	UPDATE TO 6TH ED. (2017)	
1	2/23/15	UPDATE TO 5TH ED. (2014)	
DATE	1/21/13		
SCALE	N.T.S.		
DWG. BY	JK		
CHK. BY	LFS		
DRAWING NO.:	FL-16170.1		
SHEET	2	OF	5

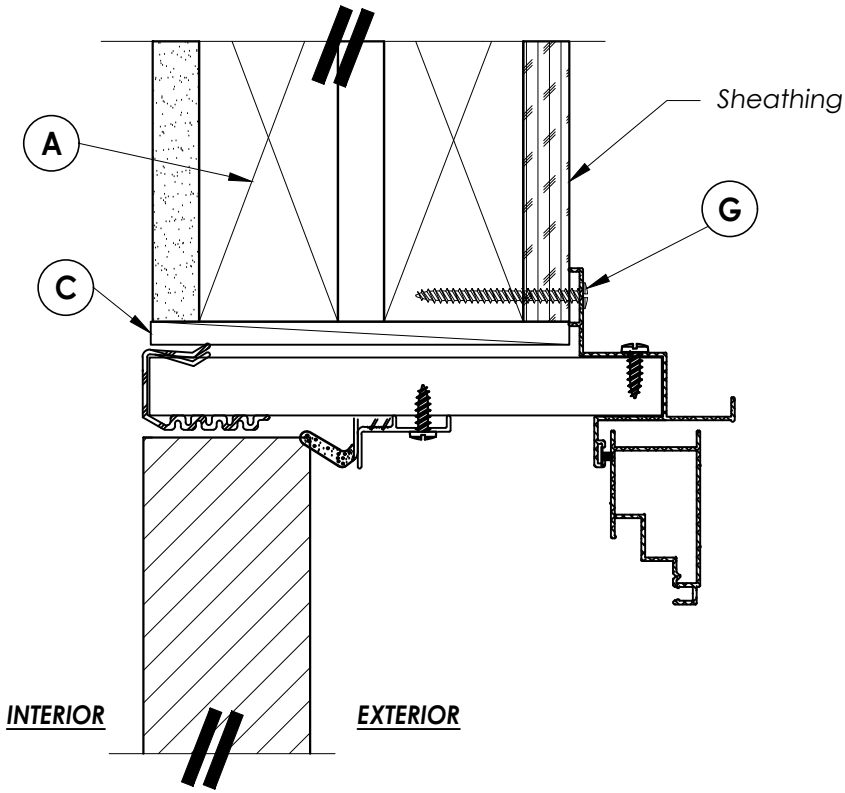
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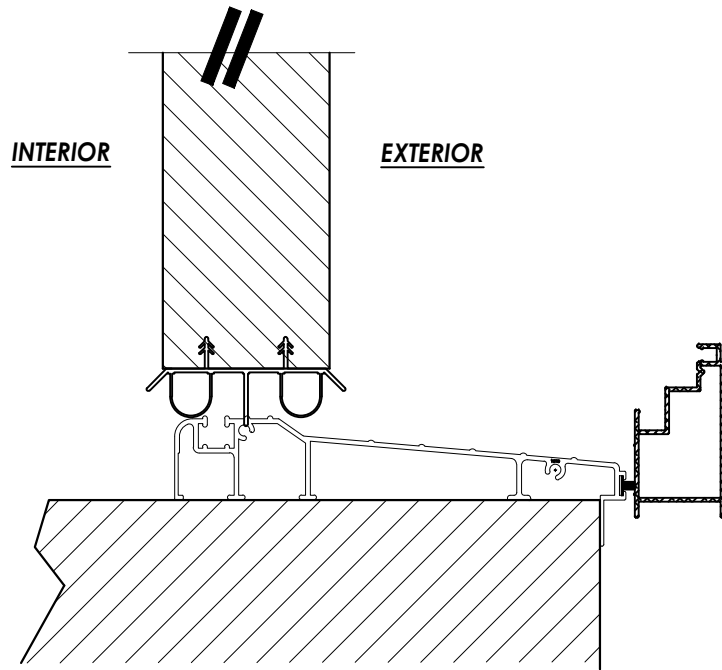
1
6 **VERTICAL CROSS SECTION**
2X Masonry construction



2
6 **VERTICAL CROSS SECTION**
Concrete sill



3
6 **VERTICAL CROSS SECTION**
2X Stud construction



4
6 **VERTICAL CROSS SECTION**
Wood sill

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

PRODUCT:
STEEL ENTRY DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
6	10/04/23	UPDATE TO 8TH ED. (2023) FBC
5	10/26/22	UPDATE FOR NEW TESTING
4	8/12/20	UPDATE TO 7TH ED. (2020) FBC
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2	10/03/17	UPDATE TO 6TH ED. (2017) FBC
1	2/23/15	UPDATE TO 5TH ED. (2014) FBC
NO.	DATE	BY

DATE: 1/21/13

SCALE: N.T.S.

DWG. BY: JK

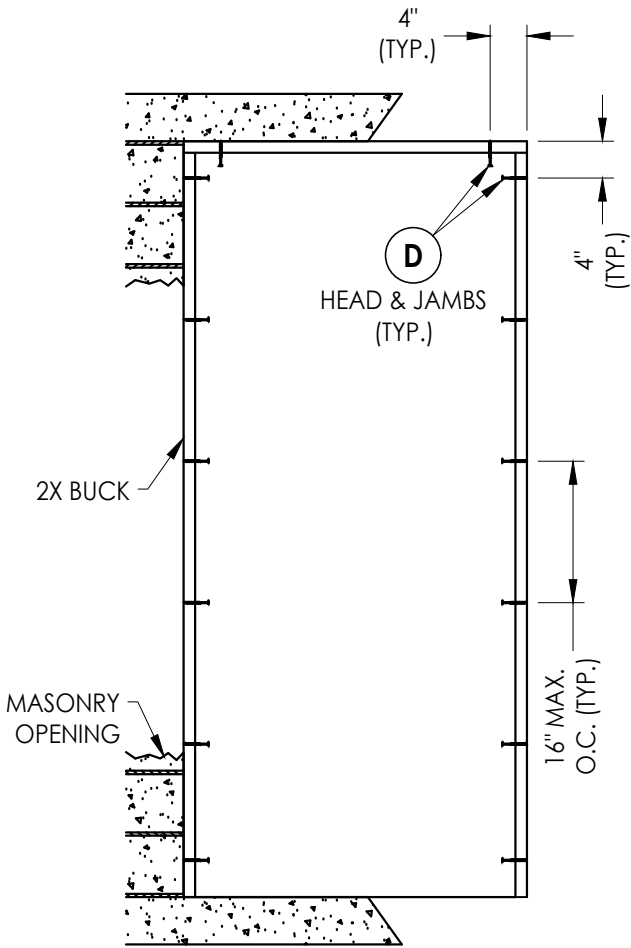
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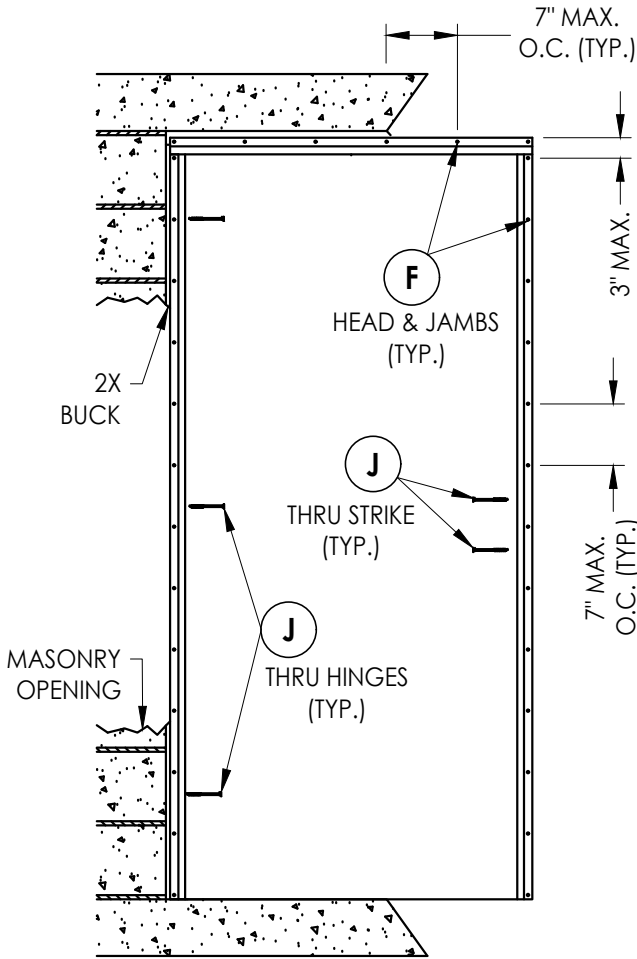
FL-16170.1

SHEET 3 OF 5

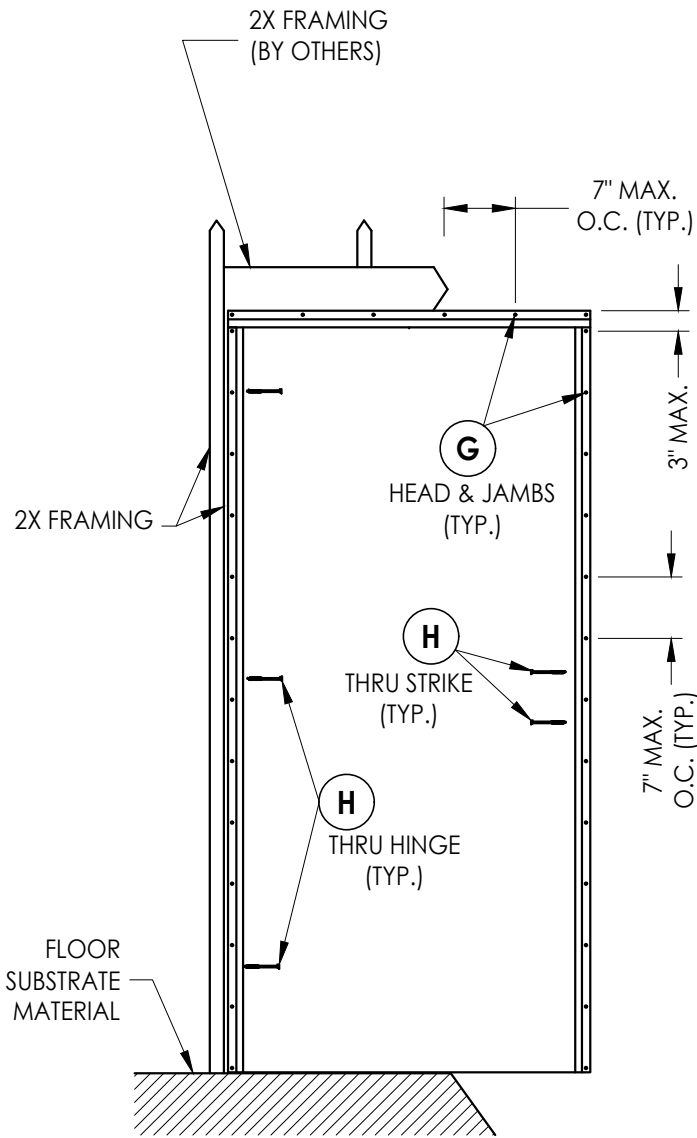
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BUCK ANCHORING



FRAME ANCHORING
2X MASONRY



FRAME ANCHORING
STUD CONSTRUCTION

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 TAPCON®	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.

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

PRODUCT:
STEEL ENTRY DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
6	9/18/23	UPDATE TO 8TH ED. (2023) FBC
5	10/26/22	UPDATE FOR NEW TESTING
4	8/12/20	UPDATE TO 7TH ED. (2020) FBC
3	10/30/17	REVISE STORM DOOR PROFILE
2	10/03/17	UPDATE TO 6TH ED. (2017) FBC
1	2/23/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 1/21/13

SCALE: N.T.S.

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CHK. BY: LFS

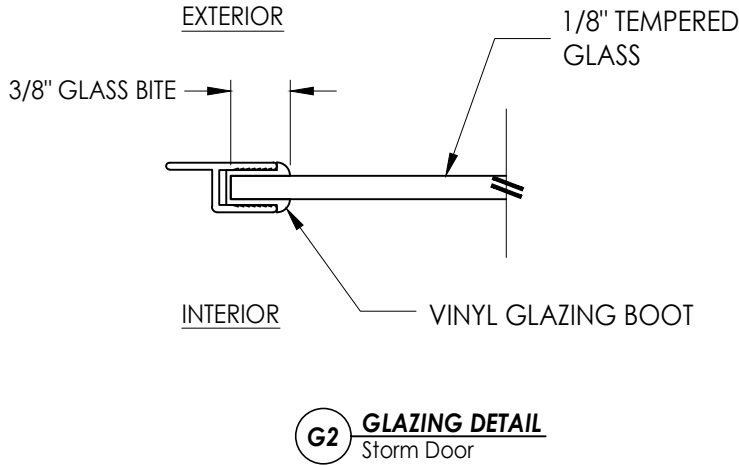
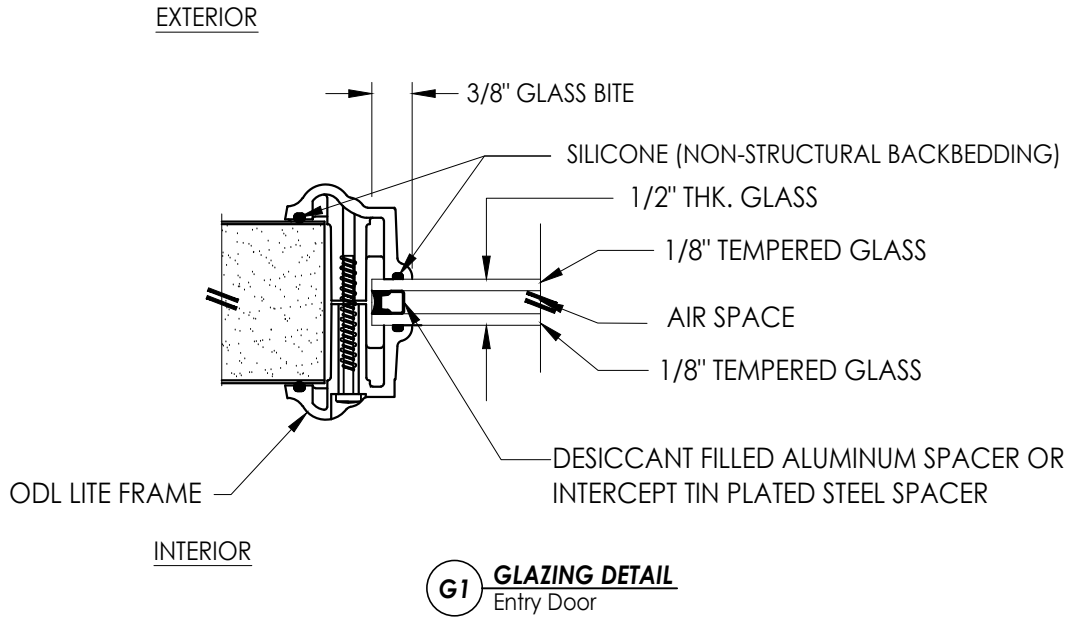
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FL-16170.1

SHEET 4 OF 5

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	STUD SG >= 0.42	WOOD
B	2X BUCK SG >= 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	#8 X 1-1/2" PPH SMS (1-5/16" MIN. EMBEDMENT)	STEEL
G	#8 X 2" PPH SMS (1-5/16" MIN. EMBEDMENT)	STEEL
H	#8 X 3" PPH WOOD SCREW (2" MIN. EMBEDMENT)	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL



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						BY	

DATE:	1/21/13
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16170.1
SHEET	5 OF 5

PRODUCT:	STEEL ENTRY DOOR
PART OR ASSEMBLY:	BILL OF MATERIALS AND GLAZING DETAILS

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