



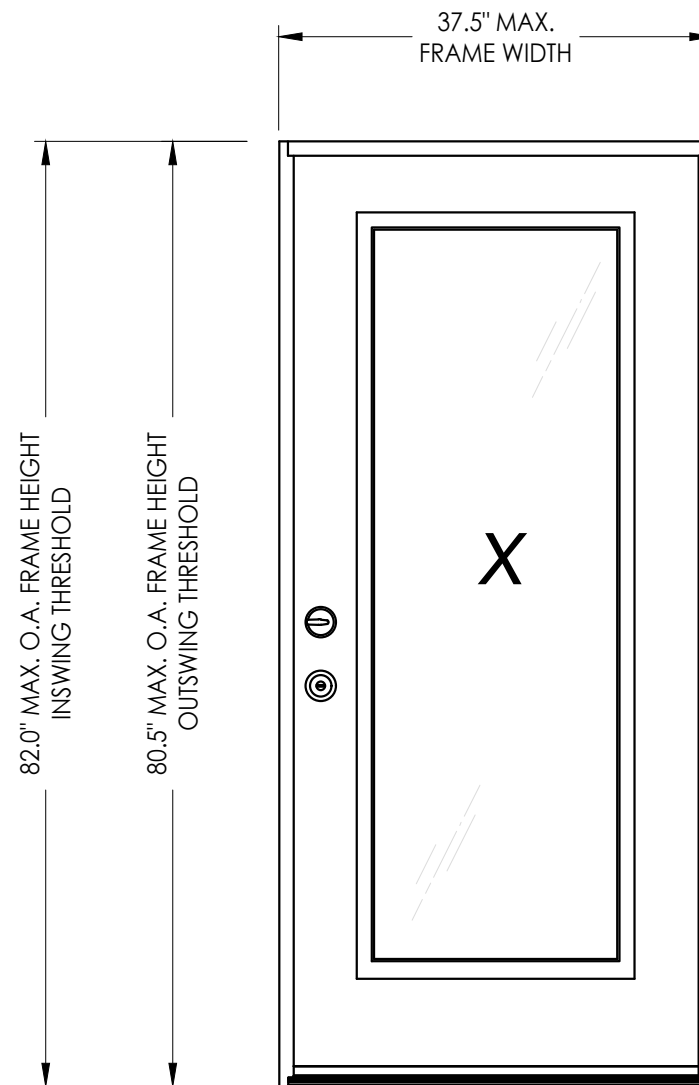
AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

STEEL EDGE GLAZED SINGLE DOOR INSWING / OUTSWING "IMPACT"

GENERAL NOTES

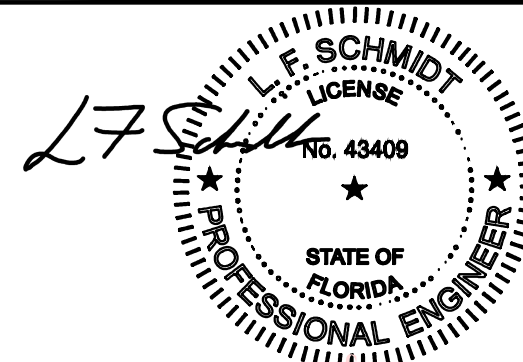
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal outswing item #31 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations when using item #41 do not meet the water infiltration requirements for the "HVHZ". These units 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.
9. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details, glazing detail and components
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring 2X buck masonry construction
6	Frame anchoring 1X buck masonry construction
7	Bill of Materials and components



GLAZED SINGLE DOOR

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	37.5" x 82.0"	+50.0	-55.0
OUTSWING	37.5" x 80.5"	+50.0	-55.0



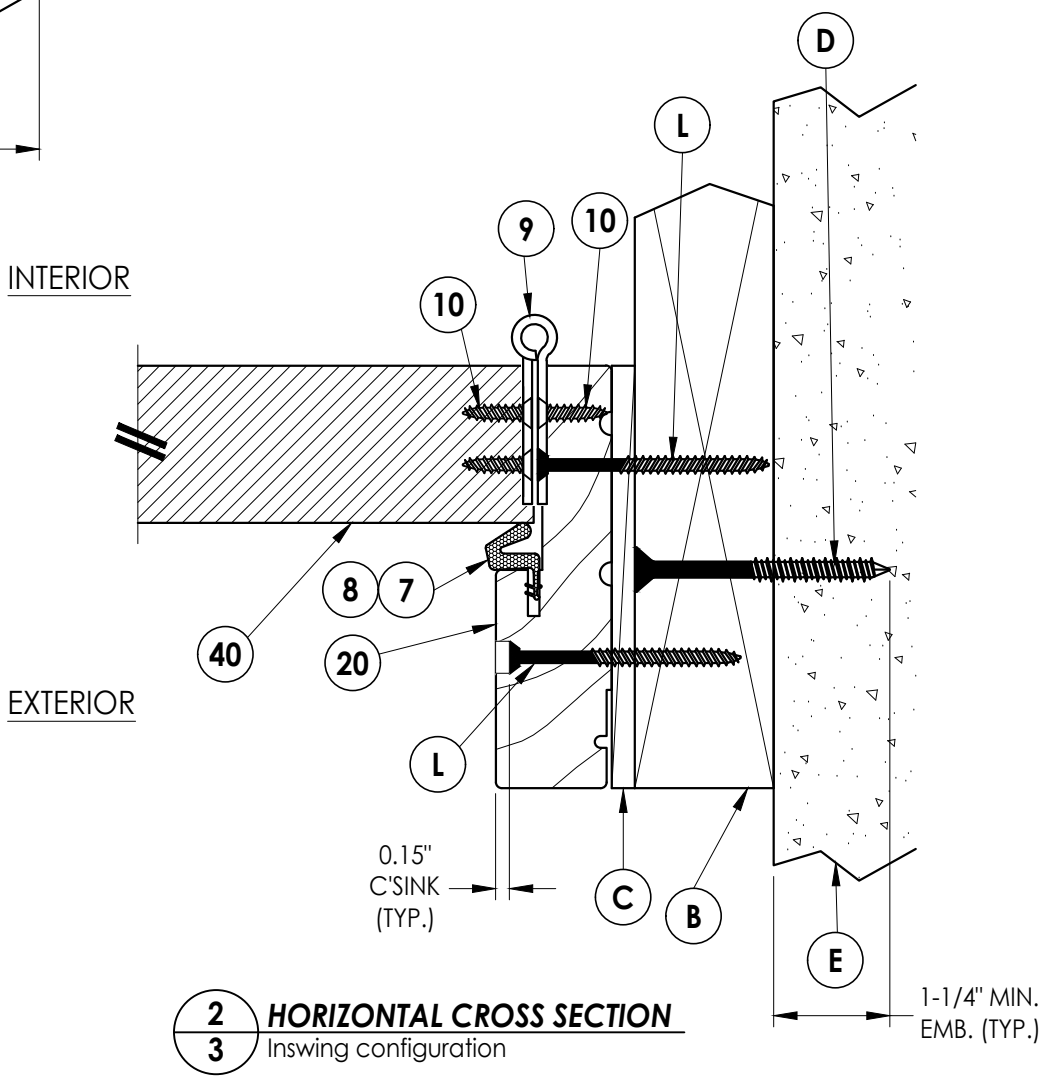
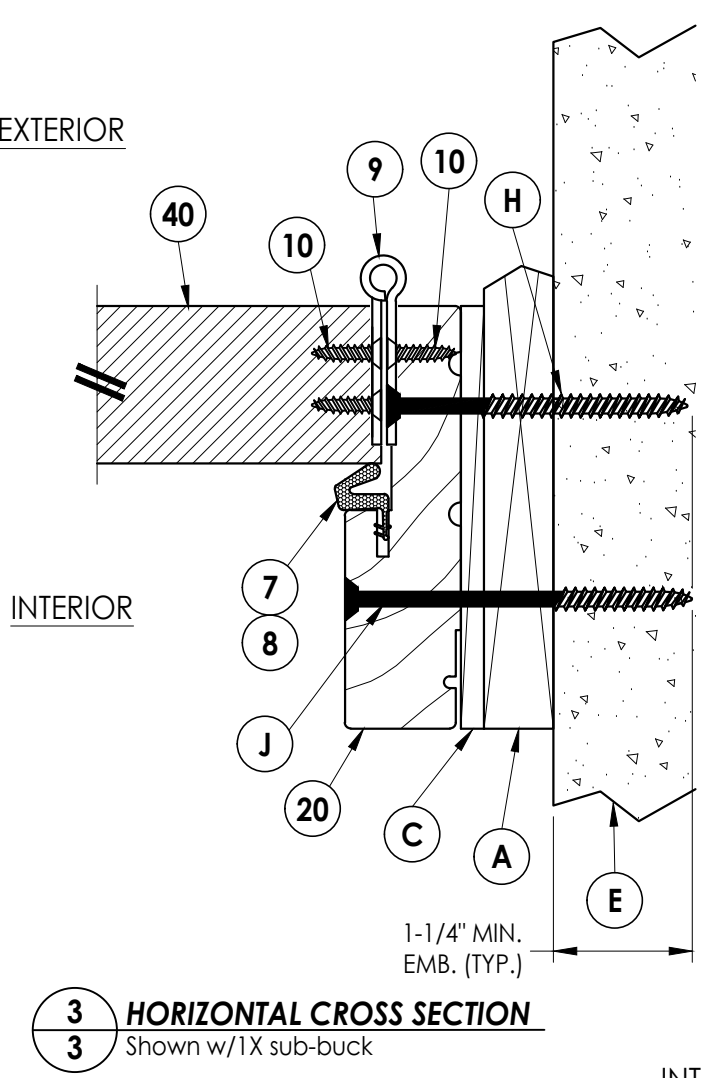
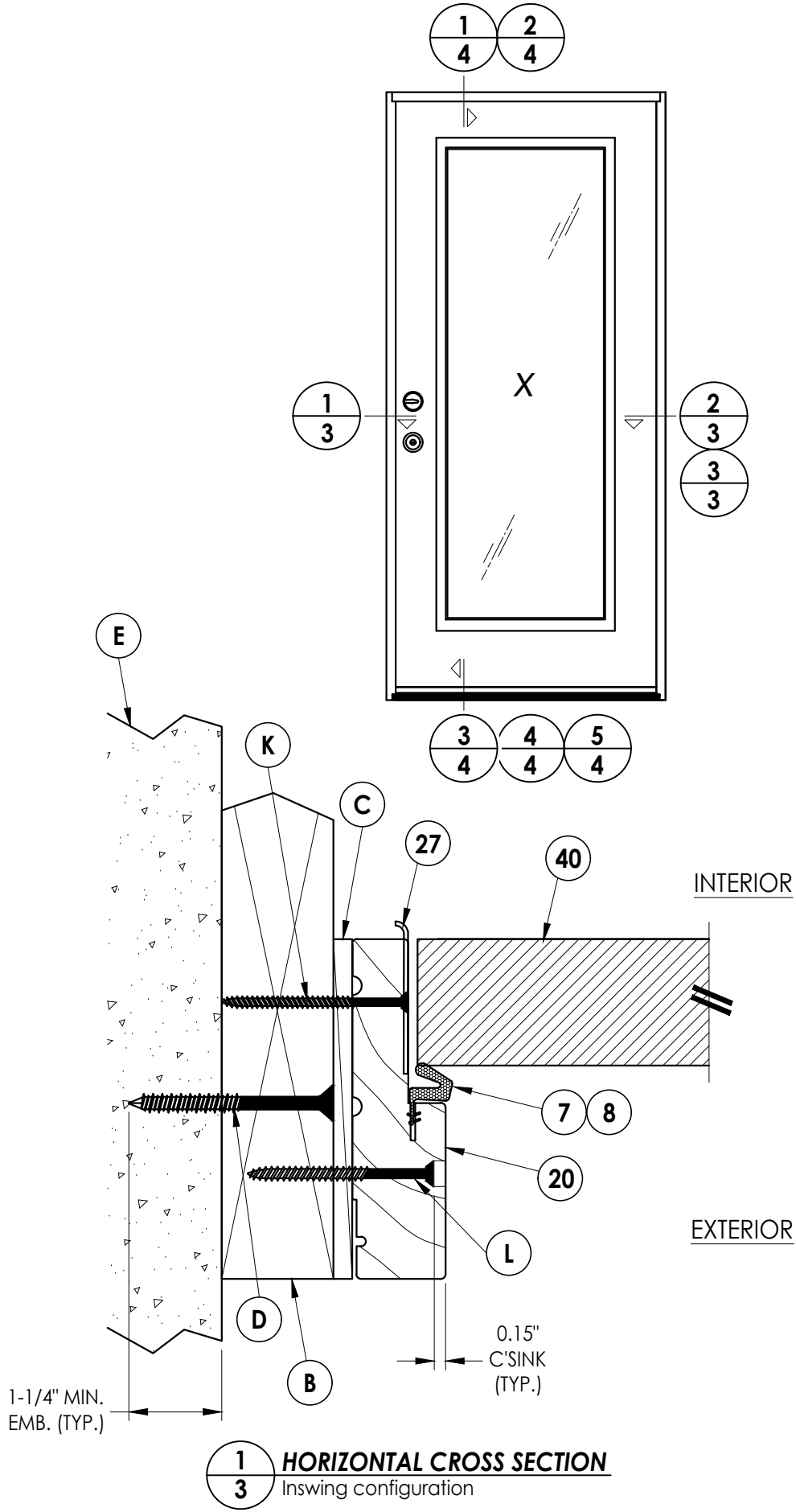
Digitally signed by Lyndon F Schmidt
Date: 2023.07.18 17:04:44 -04'00'

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: TAYLOR DOORS STEEL EDGE DOOR				PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS	REVISIONS			
4	7/16/20	UPDATE TO 7th ED (2020) FBC	LFS				
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC	JK				
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC	JK				
1	1/10/12	UPDATED TO 2010 FBC	KV				
NO. DATE			BY				
DATE: 05/04/07							
SCALE: N.T.S.							
DWG. BY: AEM							
CHK. BY: LFS							
DRAWING NO.: FL-8845.1							
SHEET 1 OF 7							

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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:		TAYLOR DOORS		STEEL EDGE DOOR	
PART OR ASSEMBLY:		HORIZONTAL		CROSS SECTION	
REVISIONS		NO.	DATE	BY	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS	
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
1	1/10/12	UPDATED TO 2010 FBC	FBC	KV	

DATE: 05/04/07

SCALE: N.T.S.

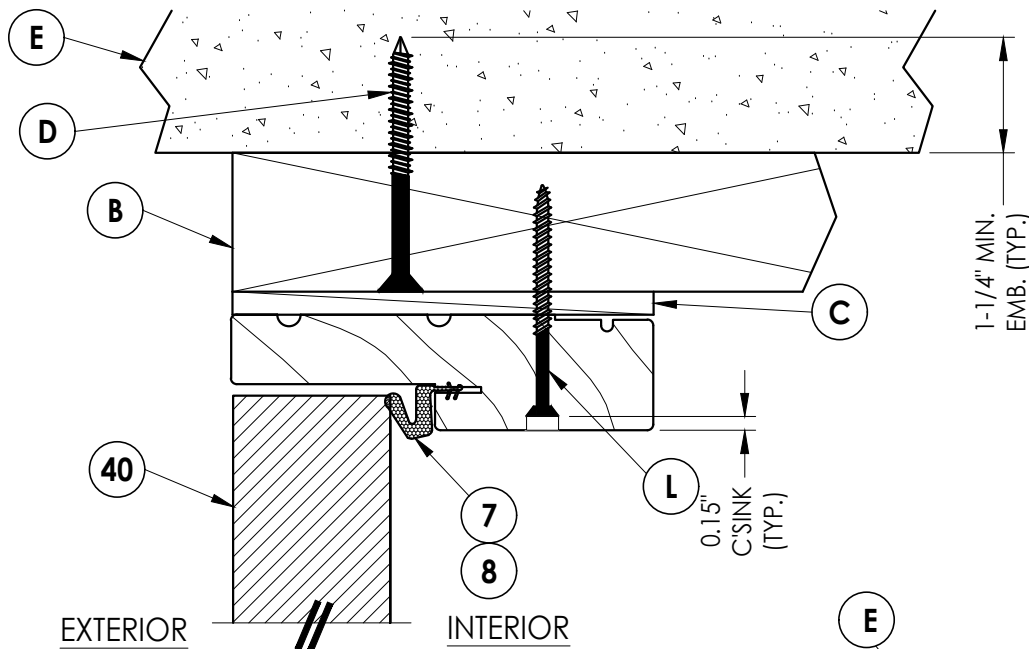
DWG. BY: AEM

CHK. BY: LFS

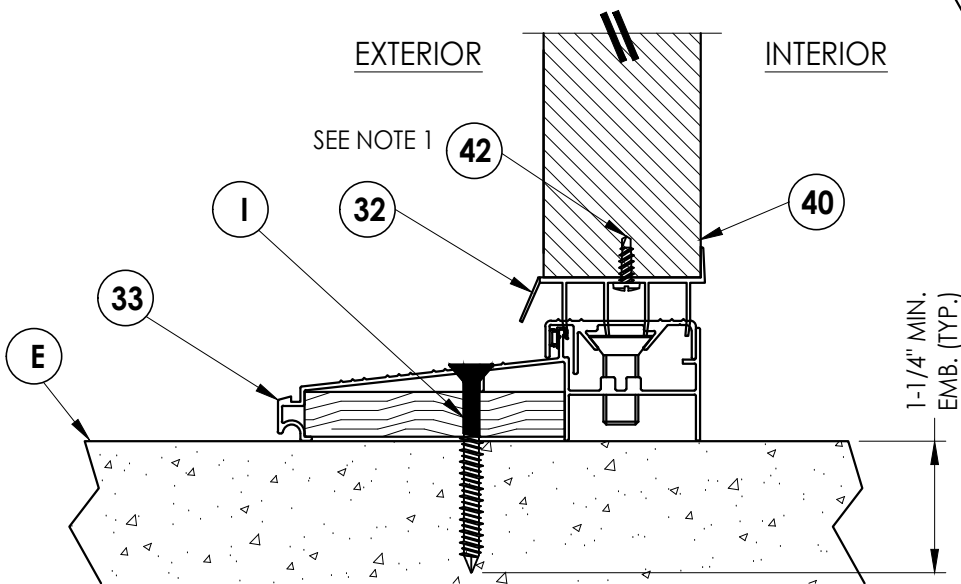
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SHEET 3 OF 7

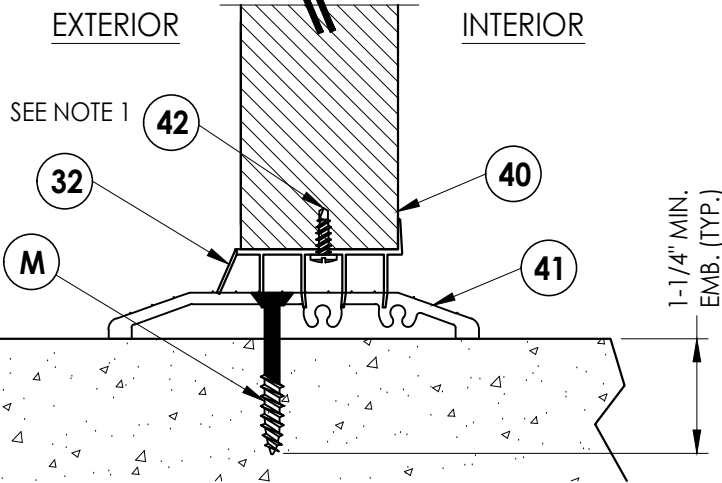
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1/4 VERTICAL CROSS SECTION

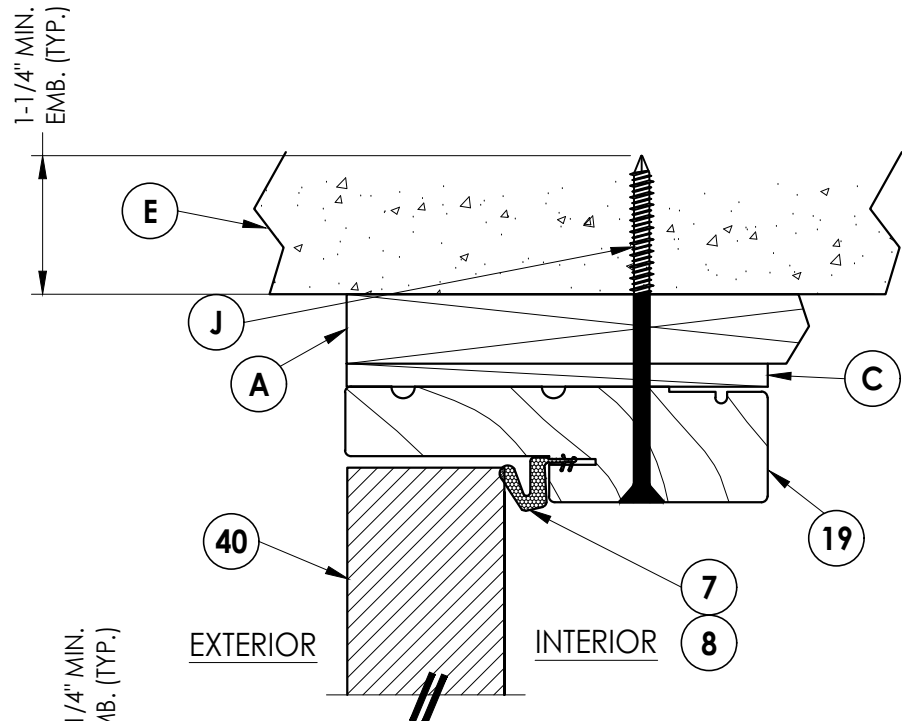


3/4 VERTICAL CROSS SECTION
Inswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

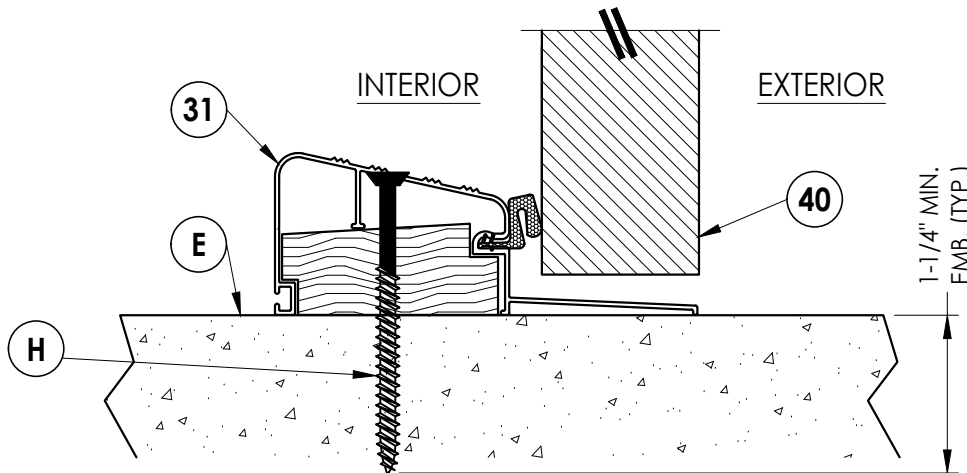


5/4 VERTICAL CROSS SECTION
Inswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

NOTE:
1. Item #42 located 2" from each
end plus 2 more equally spaced.



2/4 VERTICAL CROSS SECTION
Shown w/1X sub-buck



4/4 VERTICAL CROSS SECTION
Outswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS				
		BY	KV	JK	FBC	LFS
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	FBC	FBC	LFS
4	7/16/20	UPDATE TO 7th ED. (2020)	FBC	FBC	FBC	LFS
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	FBC	FBC	JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	FBC	FBC	JK
1	1/10/12	UPDATED TO 2010 FBC	FBC	FBC	FBC	KV

DATE: 05/04/07

SCALE: N.T.S.

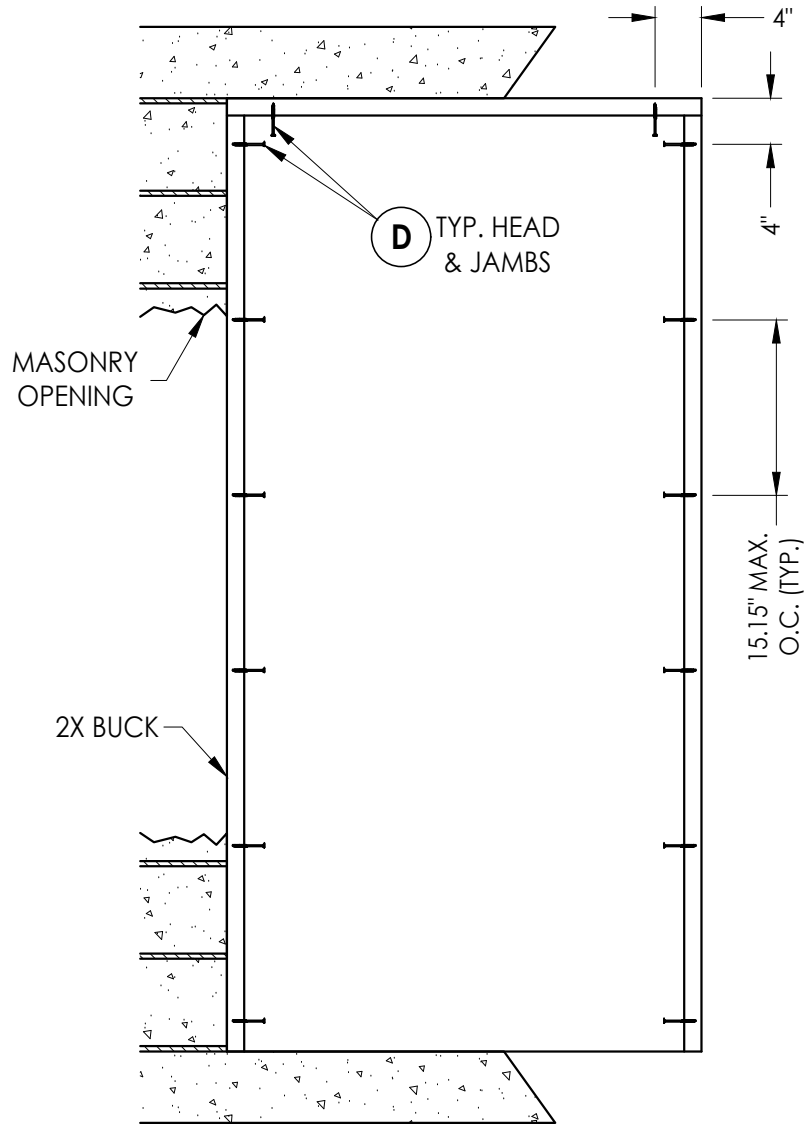
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CHK. BY: LFS

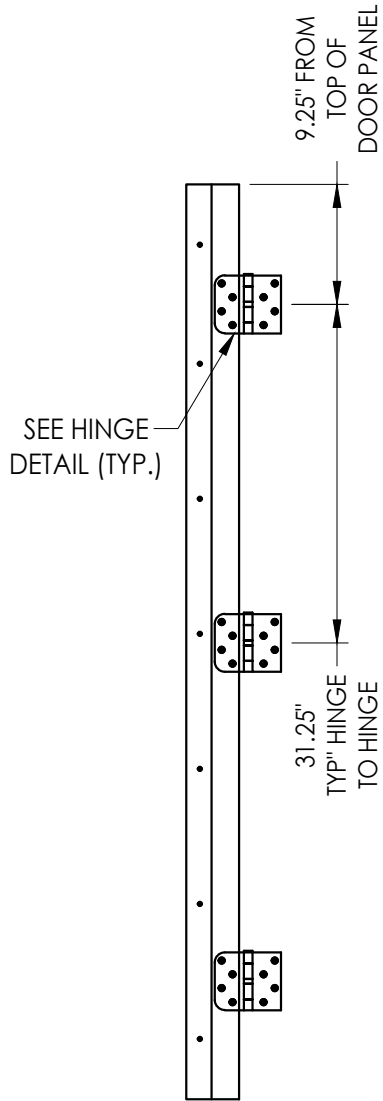
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SHEET 4 OF 7

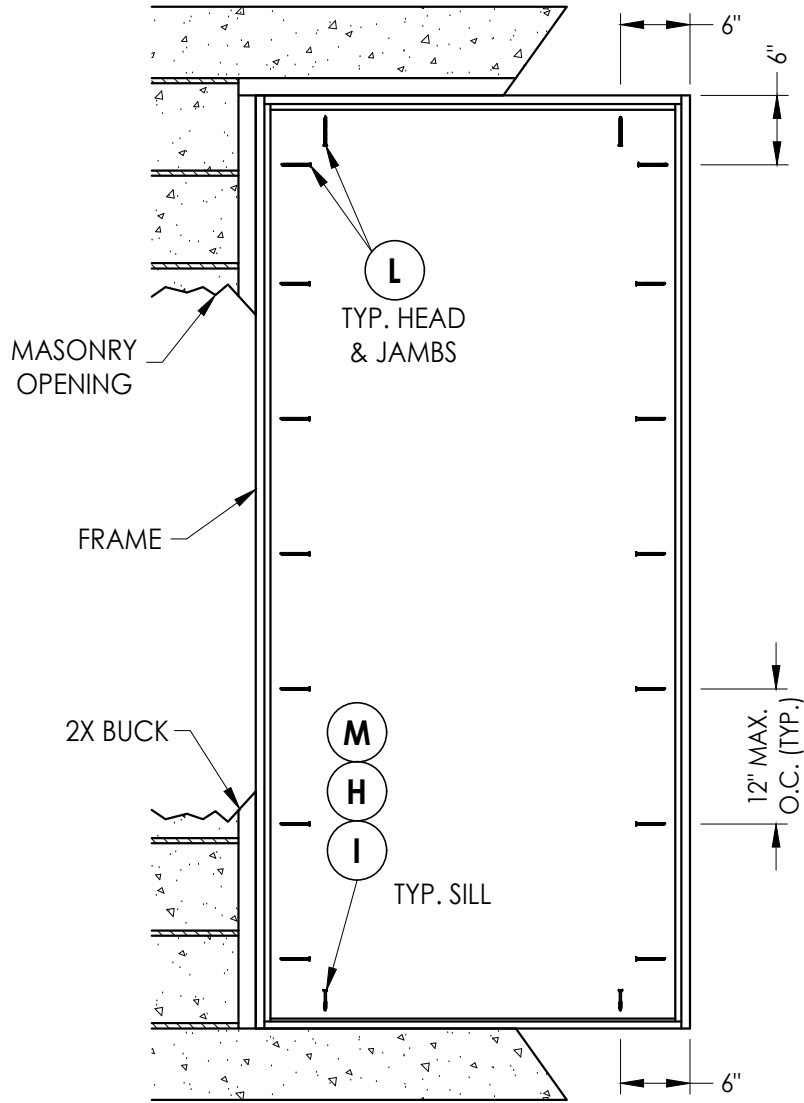
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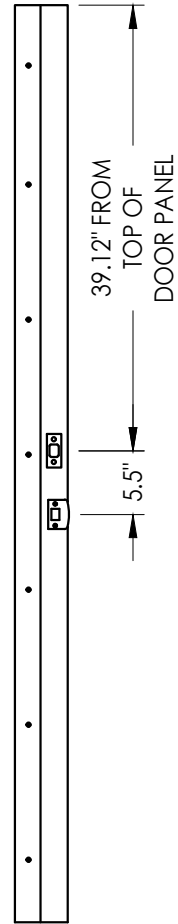
BUCK ANCHORING



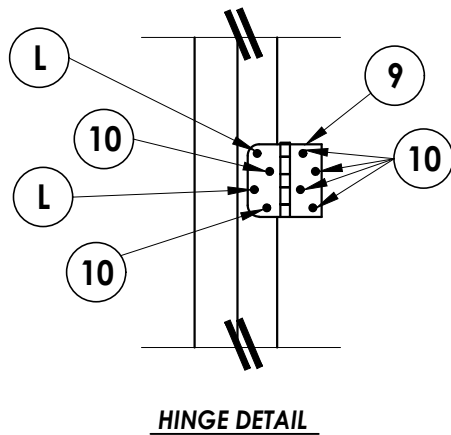
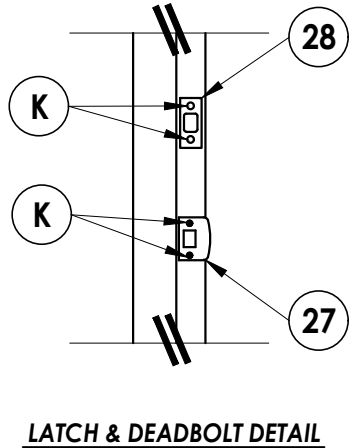
HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction



STRIKE JAMB



HINGE DETAIL

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"
ELCO 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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FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	7/10/12	UPDATED TO 2010 FBC

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

DRAWING NO.:

FL-8845.1

SHEET 5 OF 7

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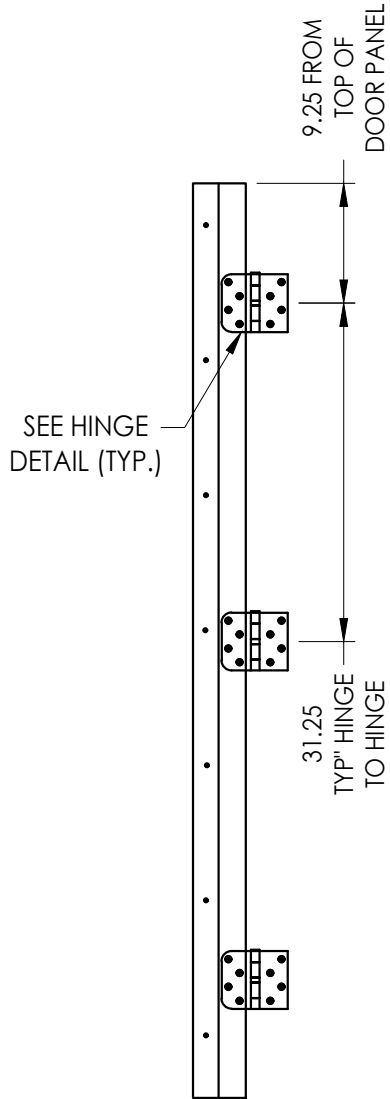
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- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

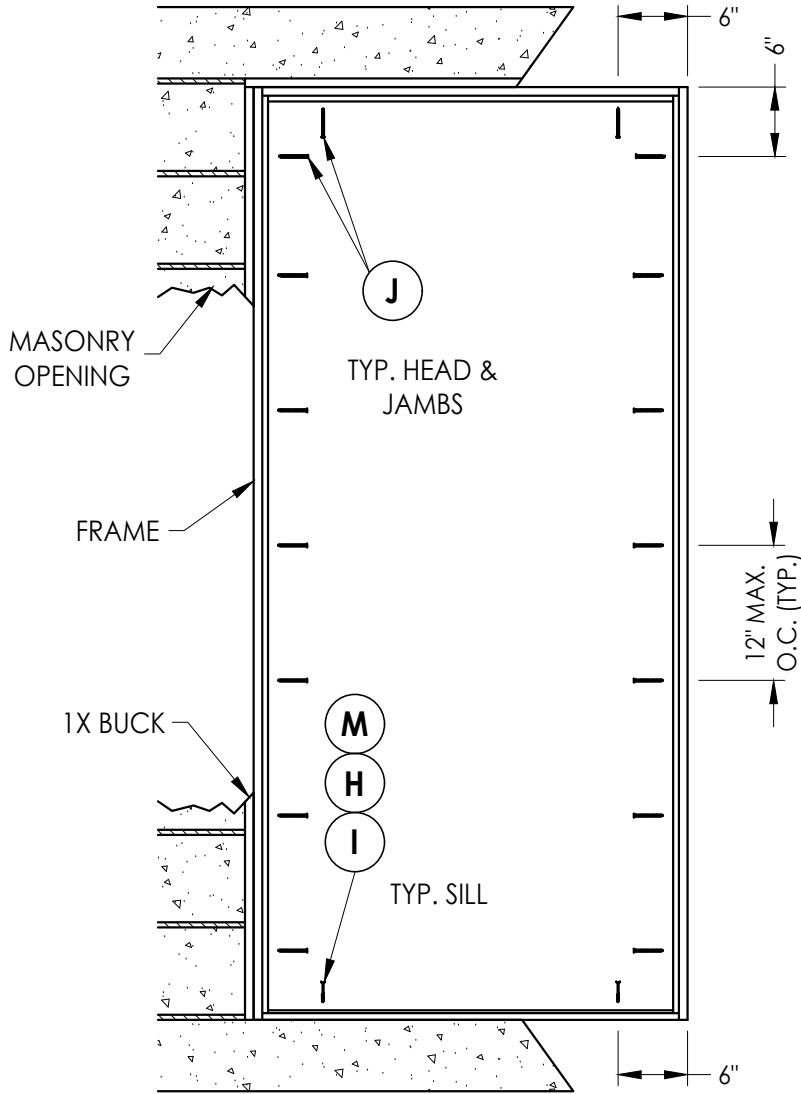
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

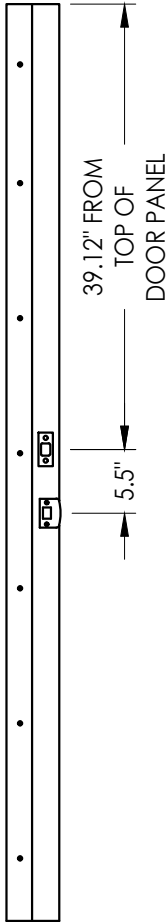
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



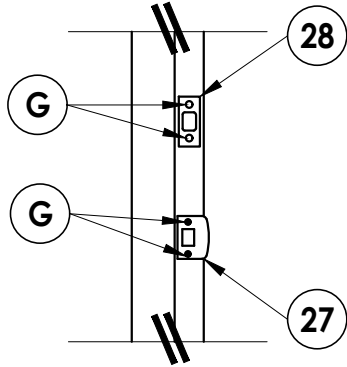
HINGE JAMB



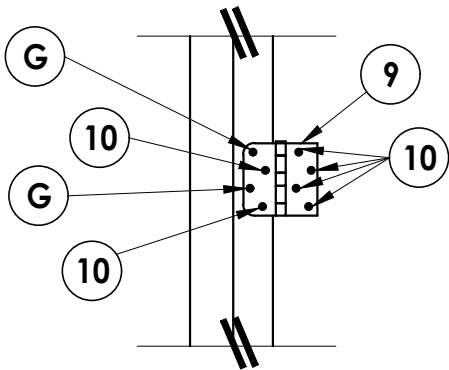
FRAME ANCHORING
Masonry 1X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
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2	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	1/10/12	UPDATED TO 2010 FBC

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

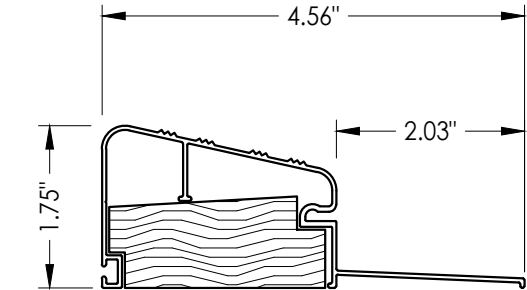
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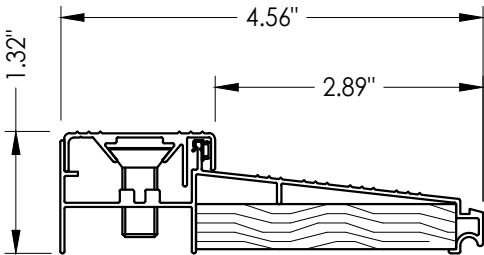
SHEET 6 OF 7

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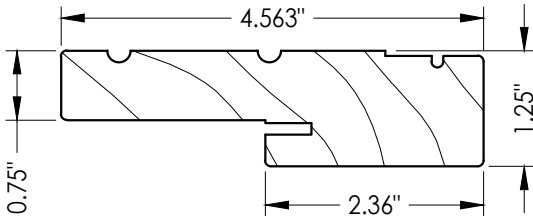
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#8 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	1/4" X 1-3/4" PFH ITW CONCRETE SCREW	STEEL
1	DOOR SKIN (0.022" THK. STEEL, Fy = 35,300 PSI MIN.)	STEEL
2	FOAM CORE: 2.0 lbs/FT DENSITY, Bayer 245	POLYURETHANE
3	HINGE REINFORCEMENT	STEEL
4	LOCK BLOCK SPRUCE-PINE-FIR SG >= 0.42	WOOD
7	MEDIUM REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (TAYLOR DOORS)	FOAM
9	4" X 4" HINGE (0.097" THK.)	STEEL
10	#10 X 3/4" PFH WOOD SCREW	STEEL
19	HEADER JAMB (PINE, SG >= 0.42)	WOOD
20	SIDE JAMB (PINE, SG >= 0.42)	WOOD
22	EXTERIOR ODL LITE FRAME	ALUMINUM
23	INTERIOR ODL LITE FRAME	ALUMINUM
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
31	OUTSWING THRESHOLD BY DLP	ALUM./WOOD
32	DOOR BOTTOM SWEEP	VINYL
33	INSWING THRESHOLD BY DLP	ALUM./WOOD
34	#7-19 X 1-3/4" PPH SELF-DRILLING SMS	STEEL
35	GLAZING COMPOUND READI-SEAL BY ODL, POLYMERIC FOAM	P/MERIC FOAM
36	STRUCTURAL SILICONE DOW #995	SILICONE
37	SCREW PLUG	-
40	STEEL EDGE DOOR - SEE PANEL DETAIL SHEET FOR DETAILS	-
41	ADA THRESHOLD	ALUM./WOOD
42	#8 X 1/2" PPH SELF-DRILLING SCREW	STEEL



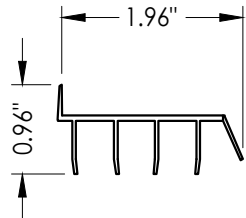
31 **OUTSWING**
Threshold by DLP



33 **INSWING**
Threshold



19 20 **HEAD & SIDE**
Jamb



32 **SWEEP**

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5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	1/10/12	UPDATED TO 2010 FBC		KV
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SCALE: N.T.S.				
DWG. BY: AEM				
CHK. BY: LFS				
DRAWING NO.: FL-8845.1				
SHEET 7 OF 7				