



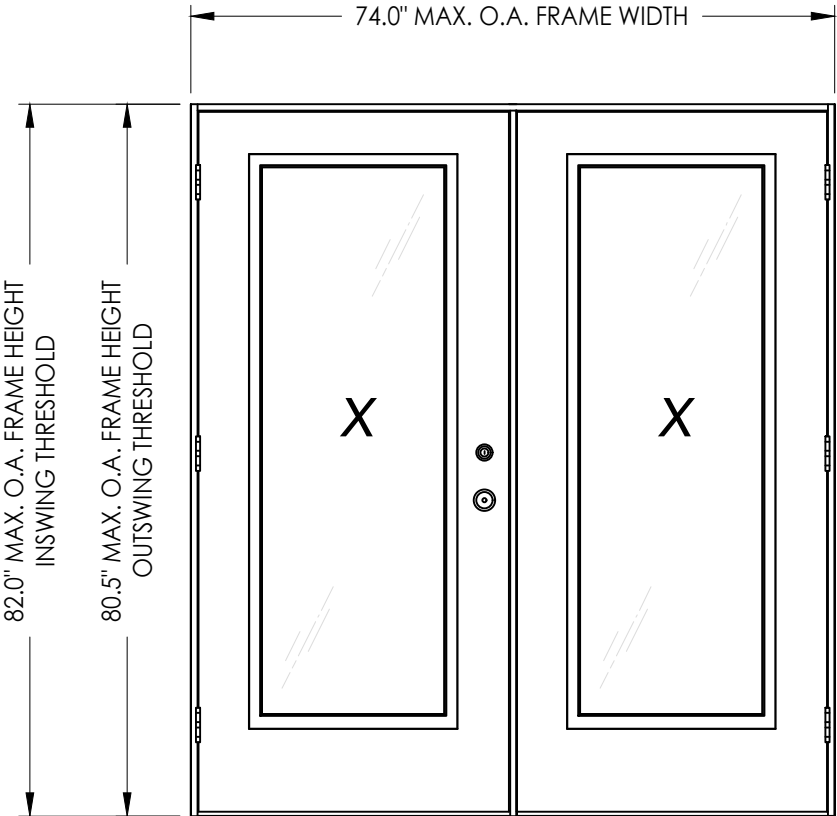
AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

STEEL EDGE GLAZED DOUBLE DOOR
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

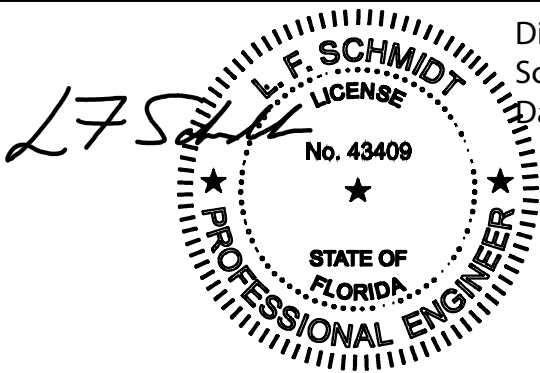
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 do not meet the water infiltration requirements for the "HVHZ". Inswing 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	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	6	Frame anchoring 2X buck masonry construction
2	Door panel details, glazing detail and components	7	Frame anchoring 1X buck masonry construction
3	Horizontal cross sections	8	Astragal details
4	Vertical cross sections	9	Bill of materials & components
5	Buck anchoring		



GLAZED DOUBLE DOOR

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	74.0" x 82.0"	+50.0	-55.0
OUTSWING	74.0" x 80.5"	+50.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.18 17:06:11 -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

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

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

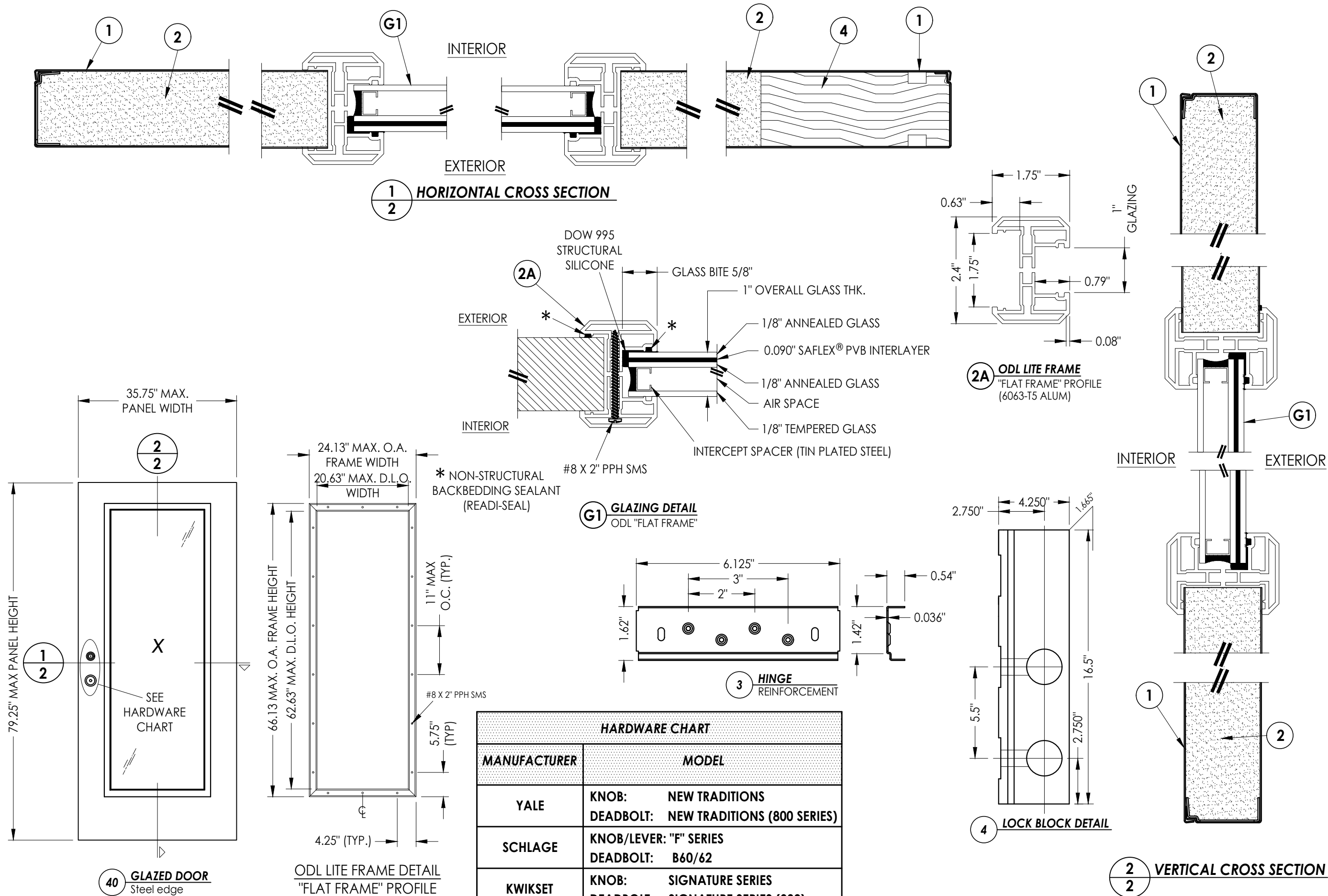
PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

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

	NO.	DATE	REVISIONS			
			DATE	BY	DESCRIPTION	REVISIONS
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		KV		

DATE: 05/04/07
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: LFS
DRAWING NO.: FL-8845.4
SHEET 1 OF 9

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

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS,
GLAZING DETAIL & COMPONENTS

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	KV	BY
NO.	DATE	REVISIONS		

DATE: 05/04/07

SCALE: N.T.S.

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CHK. BY: LFS

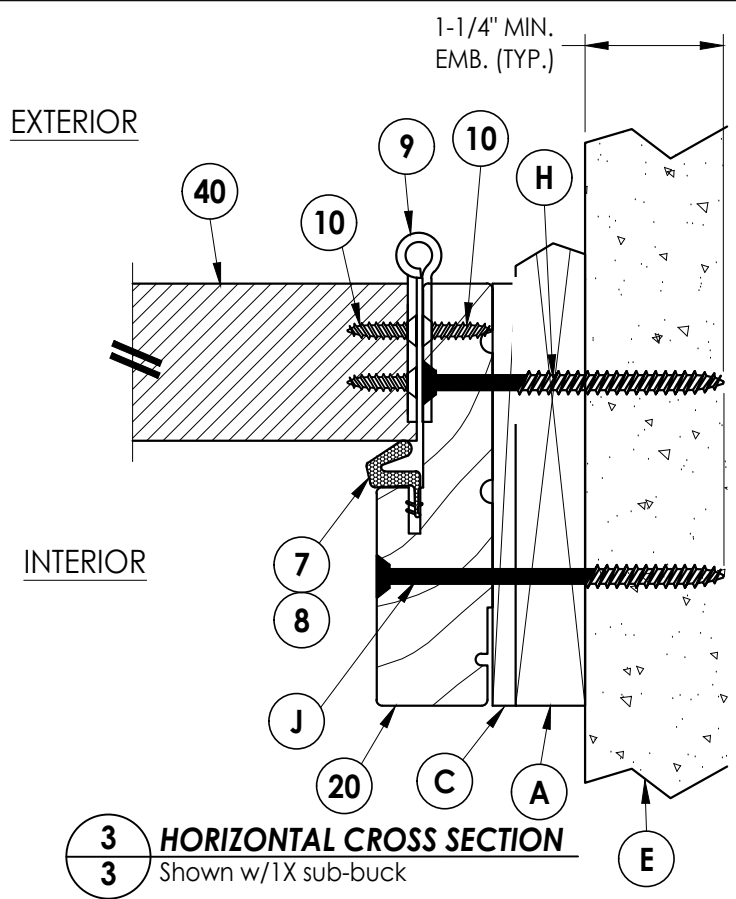
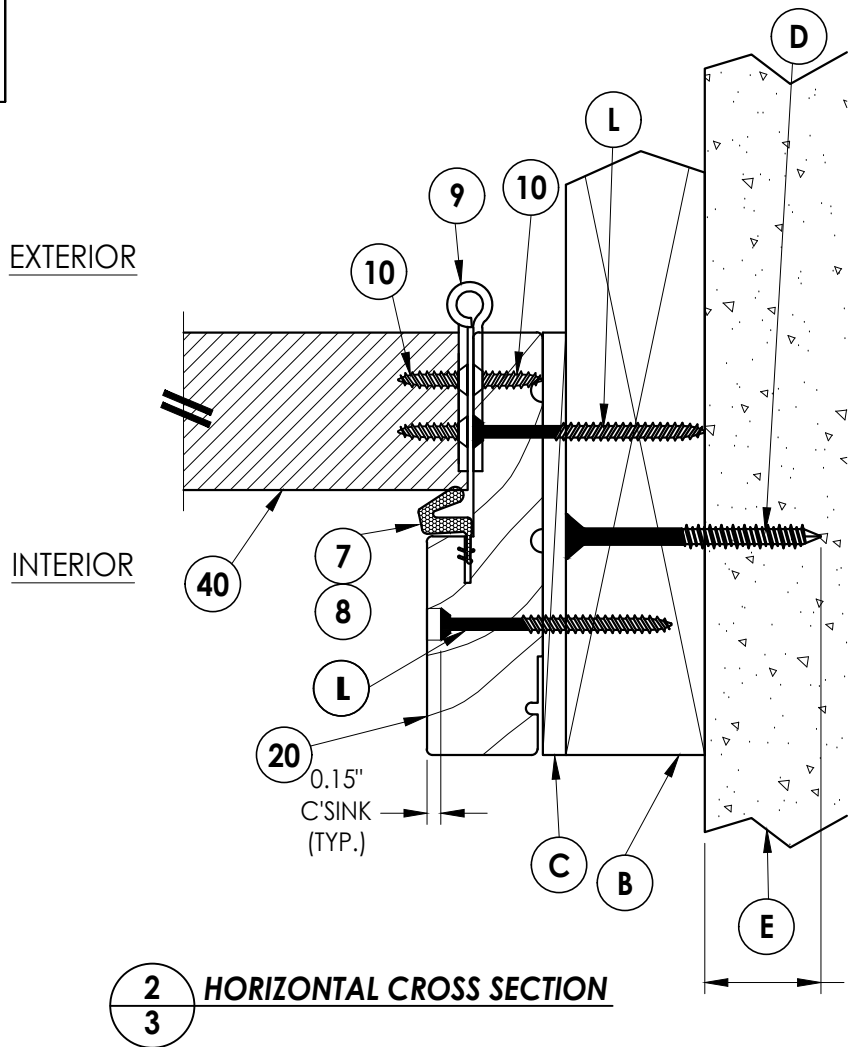
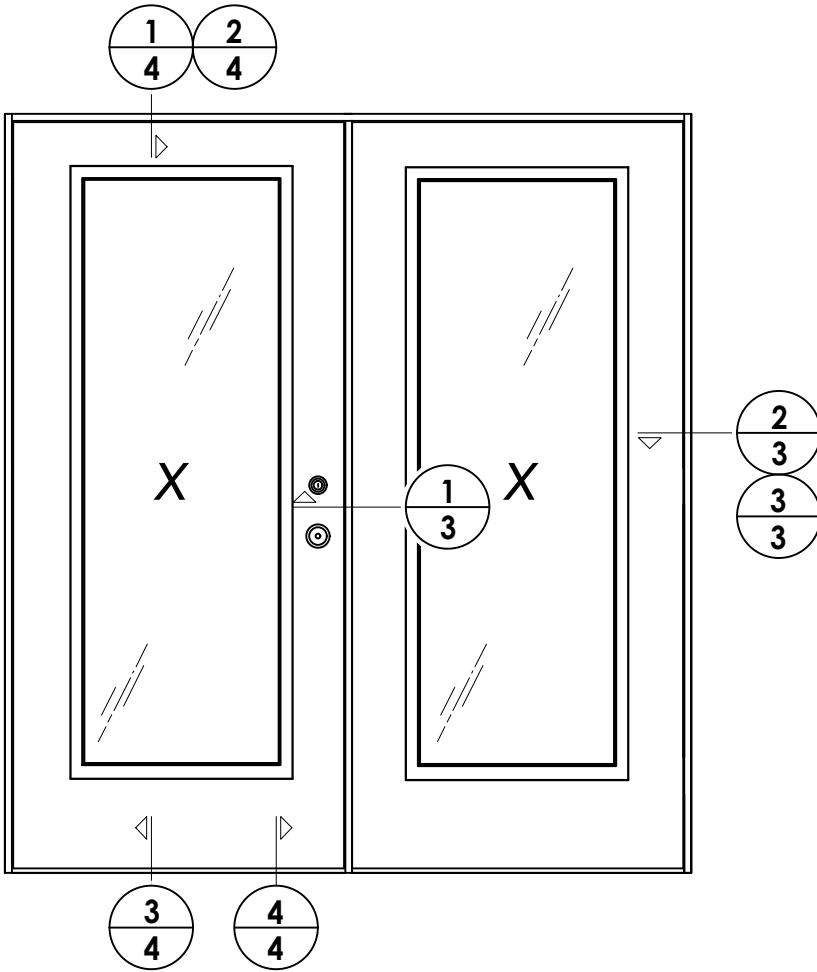
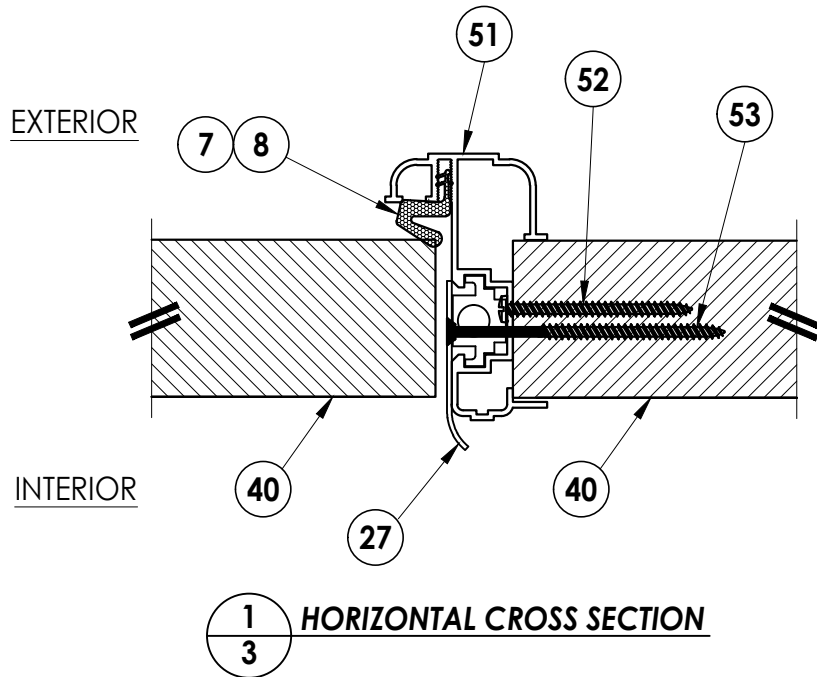
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SHEET 2 OF 9

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Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		TAYLOR DOORS		STEEL EDGE DOOR	
PART OR ASSEMBLY:		HORIZONTAL		CROSS SECTIONS	
DATE:		05/04/07		SCALE: N.T.S.	
DWG. BY:		AEM		CHK. BY: LFS	
DRAWING NO.:		FL-8845.4		SHEET 3 OF 9	
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		1/10/12		UPDATED TO 2010 FBC	
NO.		DATE		REVISIONS	
BY					
KV					
JK					
LFS					

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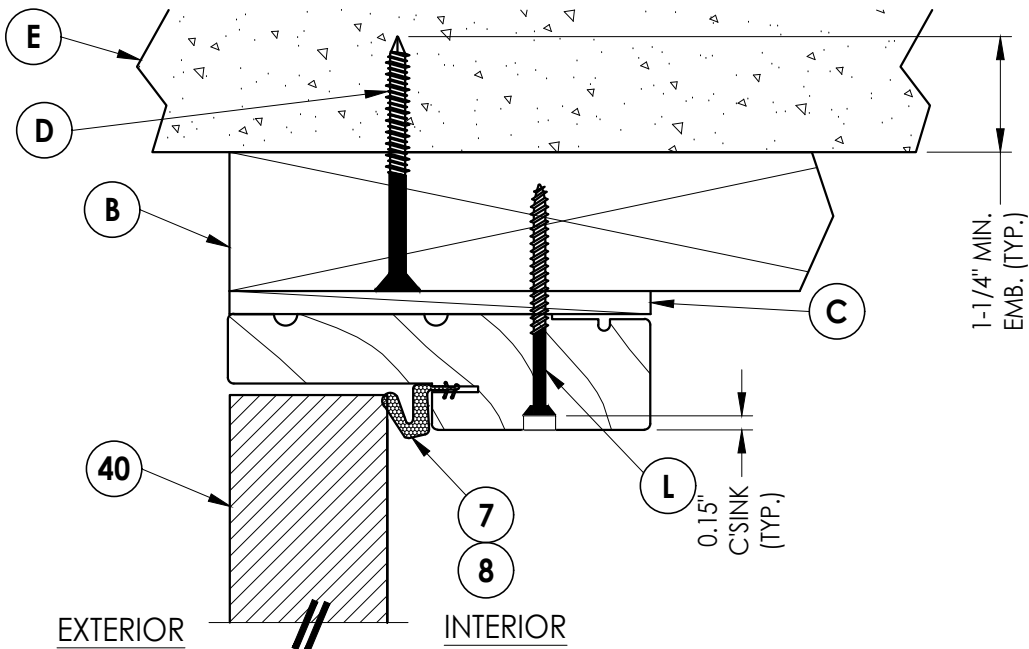
BUILDING CONSULTANTS, INC.

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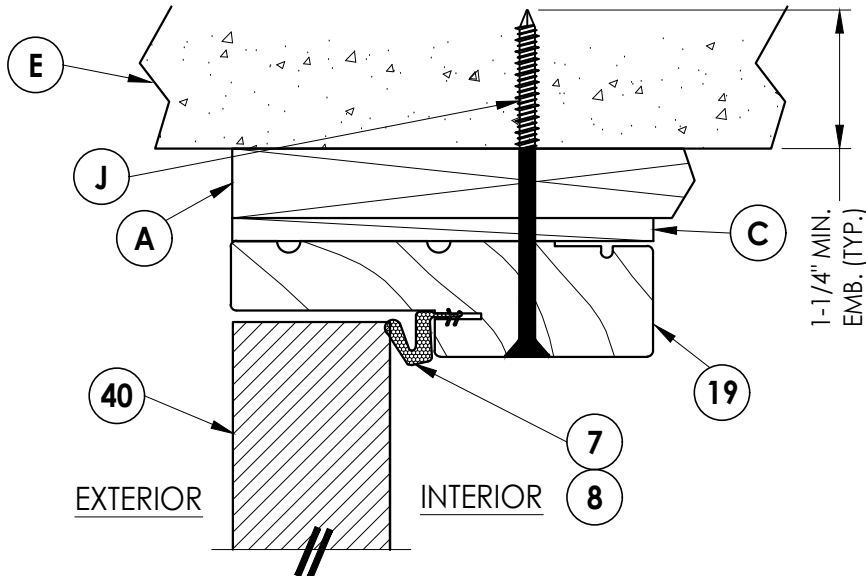
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FBPE Registry No. 9813

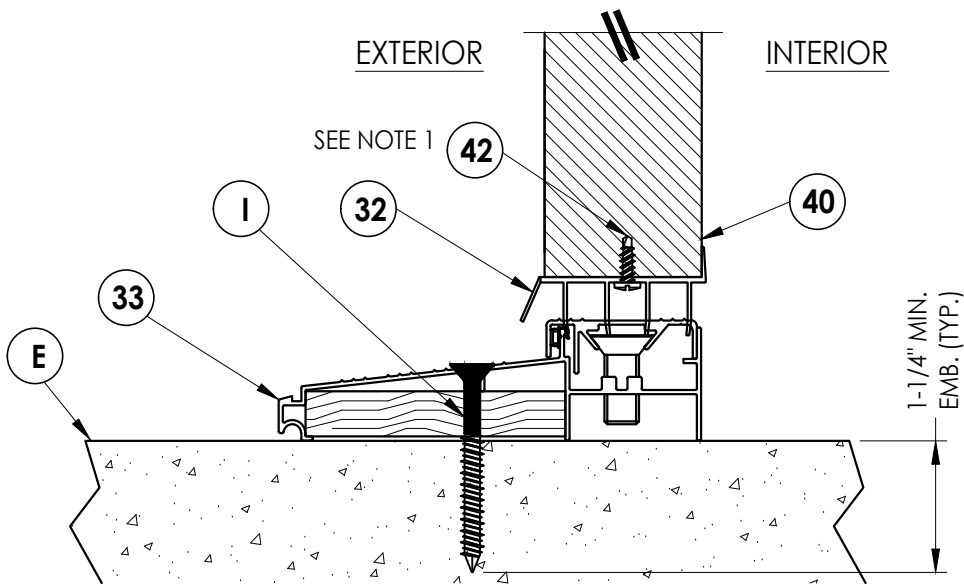
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1
4 **VERTICAL CROSS SECTION**

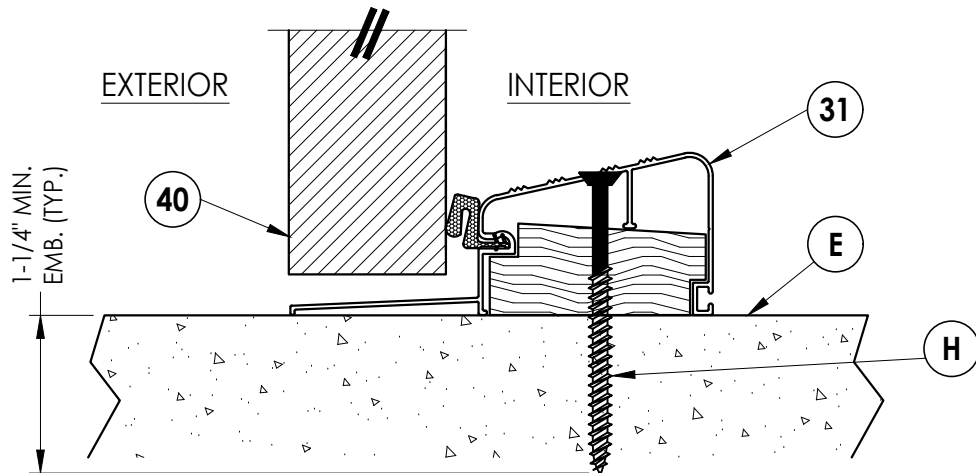


2
4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
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.



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

Documents Prepared By:
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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:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
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3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
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

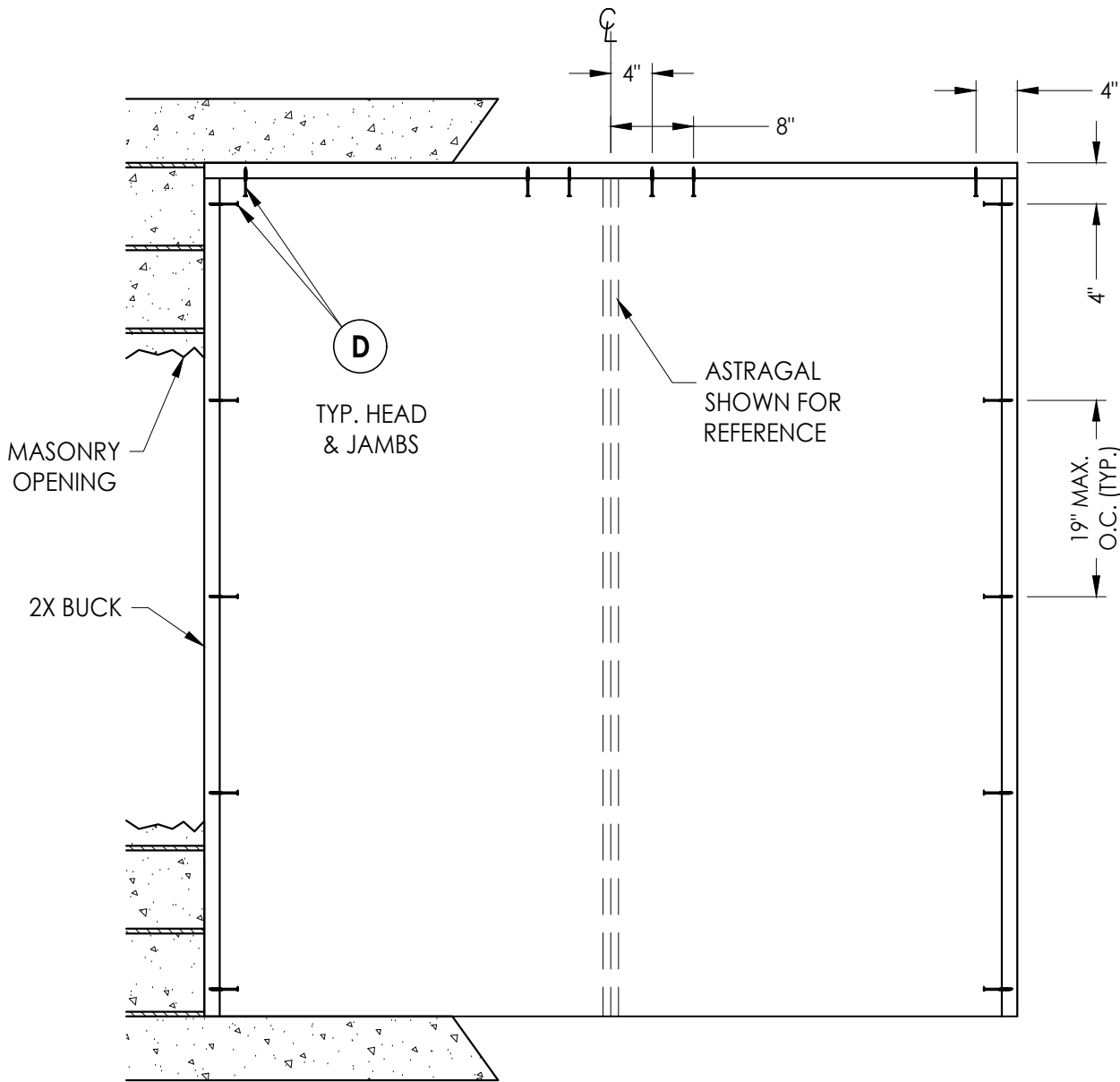
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SHEET 4 OF 9

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BUCK ANCHORING

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"

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

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

REVISIONS

NO.	DATE	DESCRIPTION
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
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1	1/10/12	UPDATED TO 2010 FBC

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SCALE: N.T.S.

DWG. BY: AEM

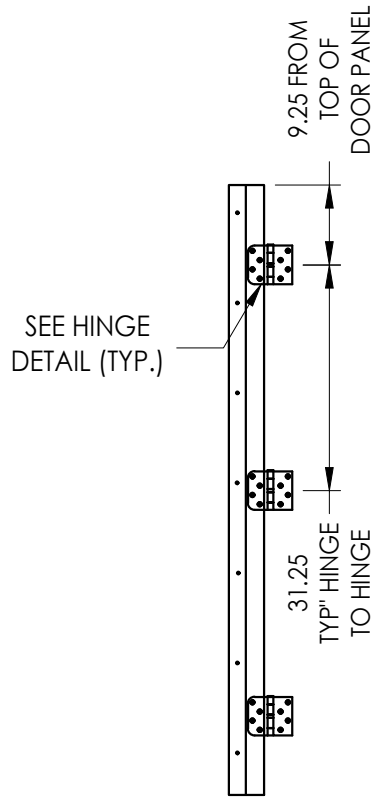
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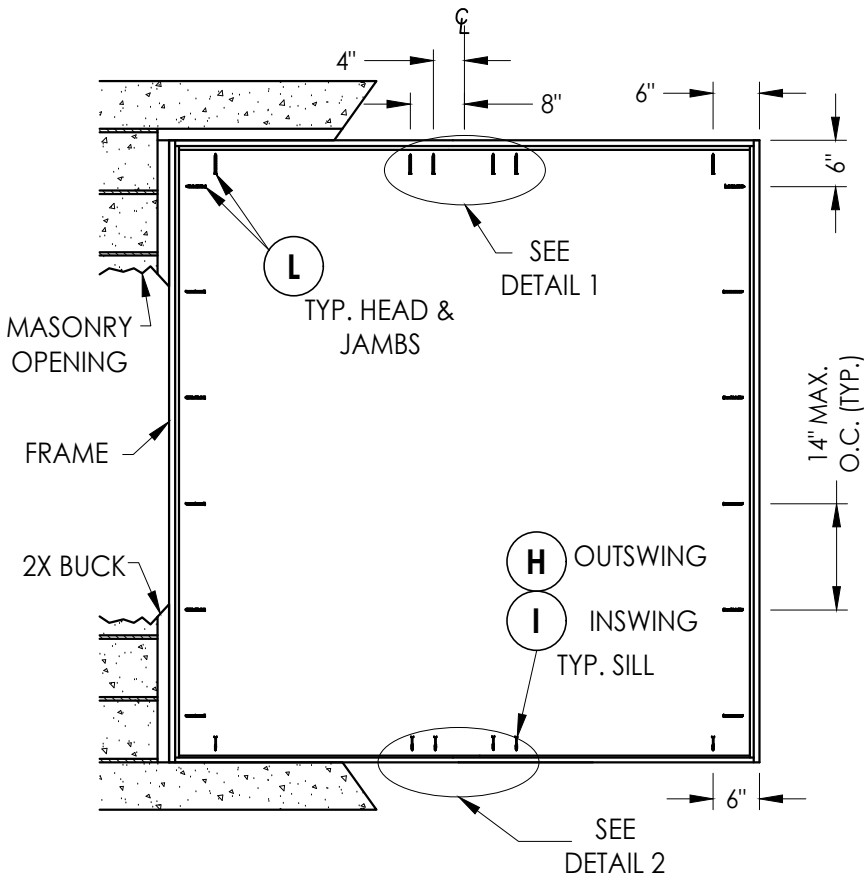
SHEET 5 OF 9

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

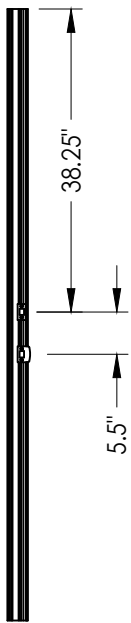
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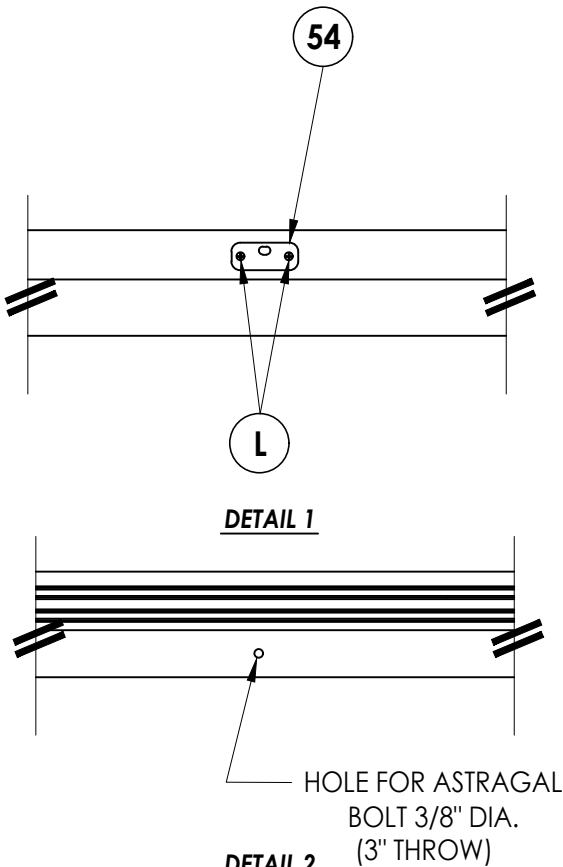
HINGE JAMB



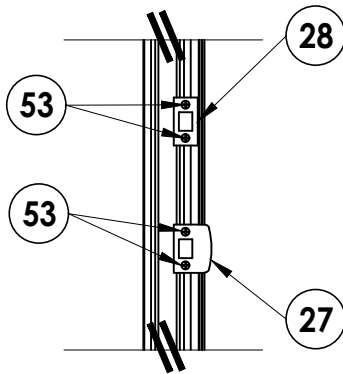
FRAME ANCHORING
Masonry 2X buck construction



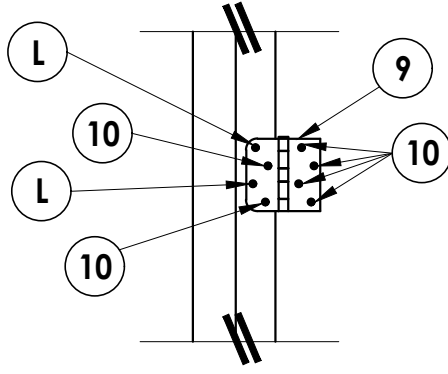
ASTRAGAL STRIKE



DETAIL 2



LATCH & DEADBOLT DETAIL
Astragal



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"

WOOD SCREW INSTALLATION NOTES:

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

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
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PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
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
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SHEET 6 OF 9

DETAIL 1

DETAIL 2

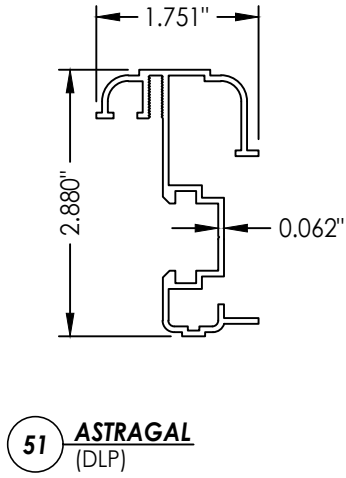
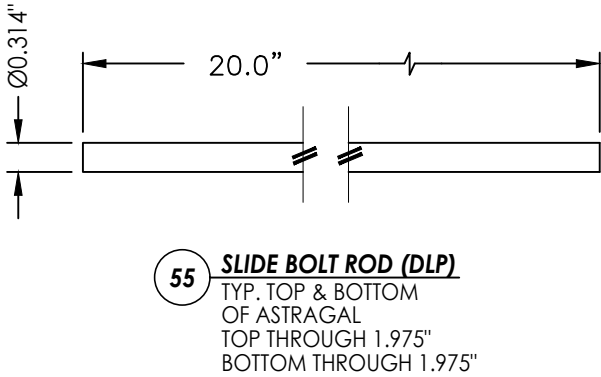
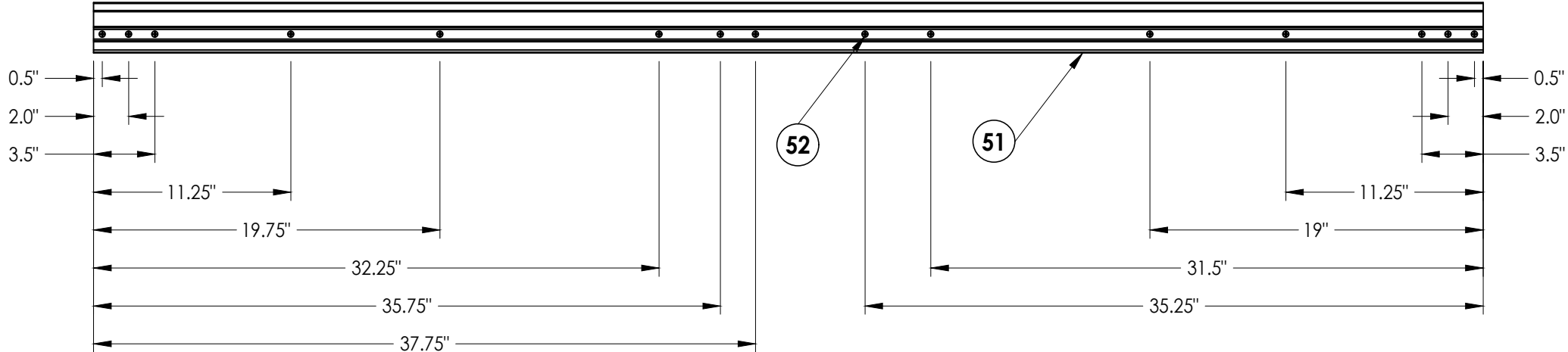
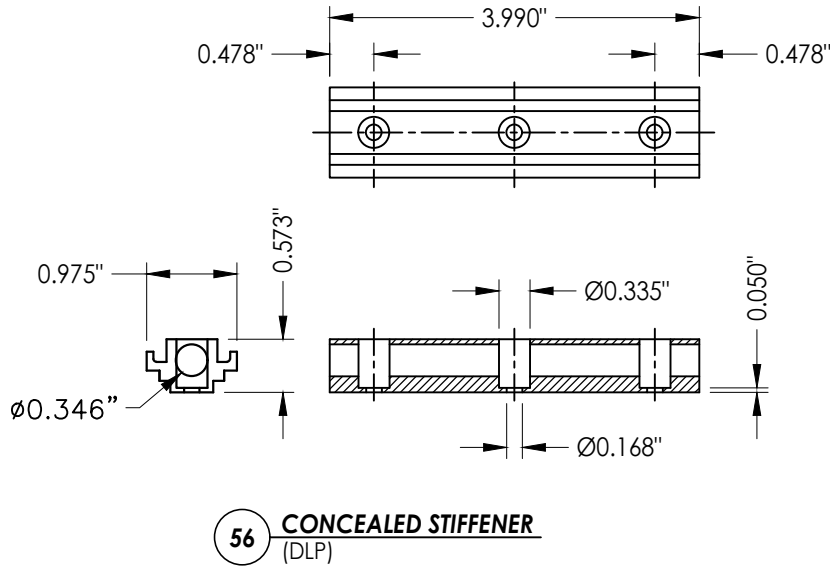
HOLE FOR ASTRAGAL BOLT 3/8" DIA. (3" THROW)

Diagram illustrating a vertical assembly with callouts 27, 28, and 53. The assembly consists of a central vertical structure with two horizontal bars at the top and bottom. Callout 27 points to the bottom horizontal bar, callout 28 points to the top horizontal bar, and callout 53 points to the central vertical structure.

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"

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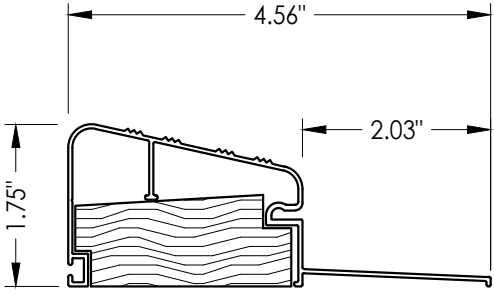
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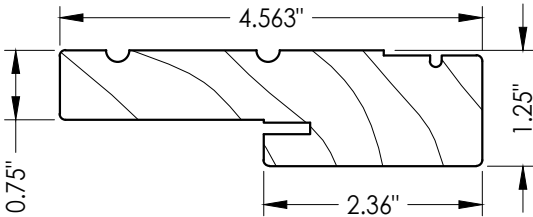
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PRODUCT:		TAYLOR DOORS		STEEL EDGE DOOR		PART OR ASSEMBLY:		ASTRAGAL DETAILS					
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS									
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS									
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK									
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK									
1	1/10/12	UPDATED TO 2010 FBC	FBC	KV									
	NO.	DATE											
REVISIONS													
DATE: 05/04/07													
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SHEET 8 OF 9													

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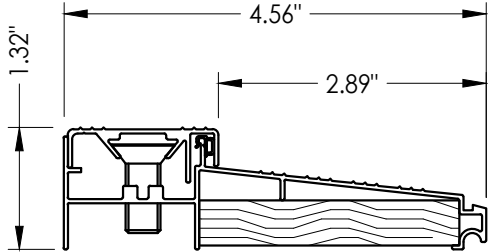
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" 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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	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
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 LORD 410/19	ACRYLIC
36	STRUCTURAL SILICONE DOW #995	SILICONE
37	NON STRUCTURAL SEALANT	BUTYL
40	STEEL EDGE DOOR - SEE PANEL DETAIL SHEET FOR DETAILS	-
42	# 8 X 1/2" PPH SELF-DRILLING SCREW	STEEL
51	ASTRAGAL 6063-T5 ALUMINUM BY DLP	ALUMINUM
52	#8 X 2" PPH SCREW	STEEL
53	#8 X 3" PFH SCREW	STEEL
54	ASTRAGAL STRIKE PLATE @ HEAD	STEEL
55	SLIDE BOLT ROD	STEEL
56	CONCEALED STIFFENER 6063-T6 ALUMINUM BY DLP	ALUMINUM



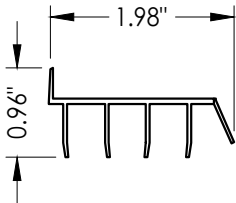
31 **OUTSWING**
Threshold by DLP



19 20 **HEAD & SIDE**
Jamb



33 **INSWING**
Threshold



32 **SWEEP**

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: BILL OF MATERIALS AND COMPONENTS			
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		KV			
NO.	DATE			BY			
				REVISIONS			
DATE: 05/04/07							
SCALE:		N.T.S.					
DWG. BY:		AEM					
CHK. BY:		LFS					
DRAWING NO.:		FL-8845.4					
SHEET		9		OF		9	