



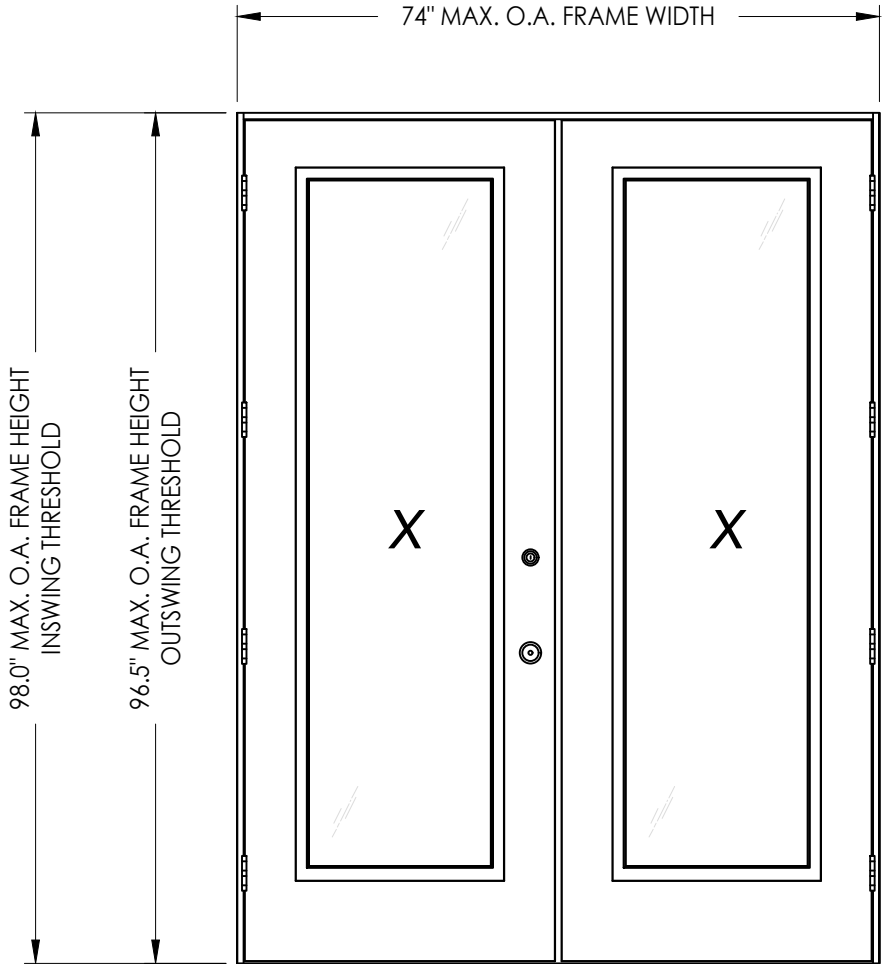
AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

STEEL EDGE GLAZED DOUBLE DOOR w/ SIDELITE
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

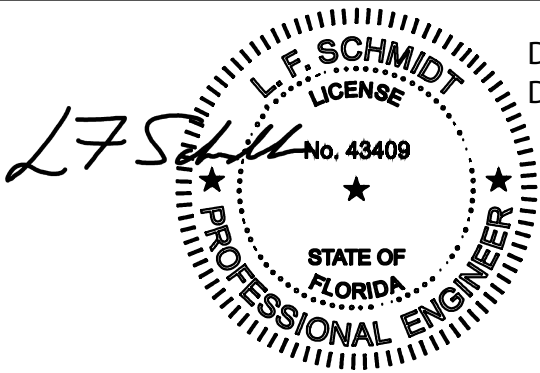
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 98.0"	+50.0	-50.0
OUTSWING	74.0" x 96.5"	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.18 16:46:36 -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

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

57/06/23UPDATE TO 8TH ED. (2023) FBC

47/16/20UPDATE TO 7th ED (2020) FBC

37/20/17UPDATE TO 6TH ED. (2017) FBC

23/9/15UPDATE TO 5TH ED. (2014) FBC

17/10/12UPDATED TO 2010 FBC

NO. DATE

REVISIONS

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

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

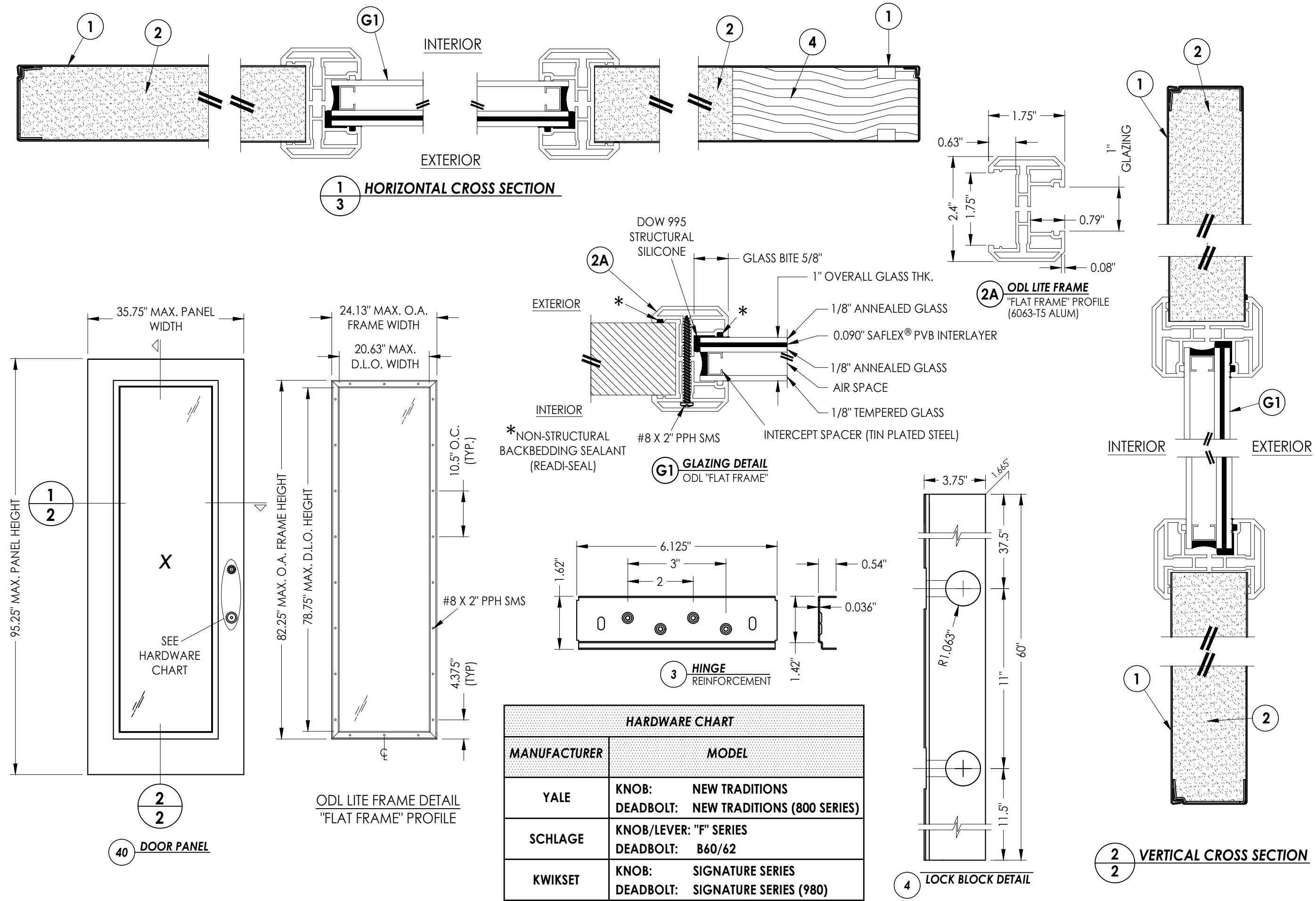
DRAWING NO.: FL-8845.9

SHEET 1 OF 9

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

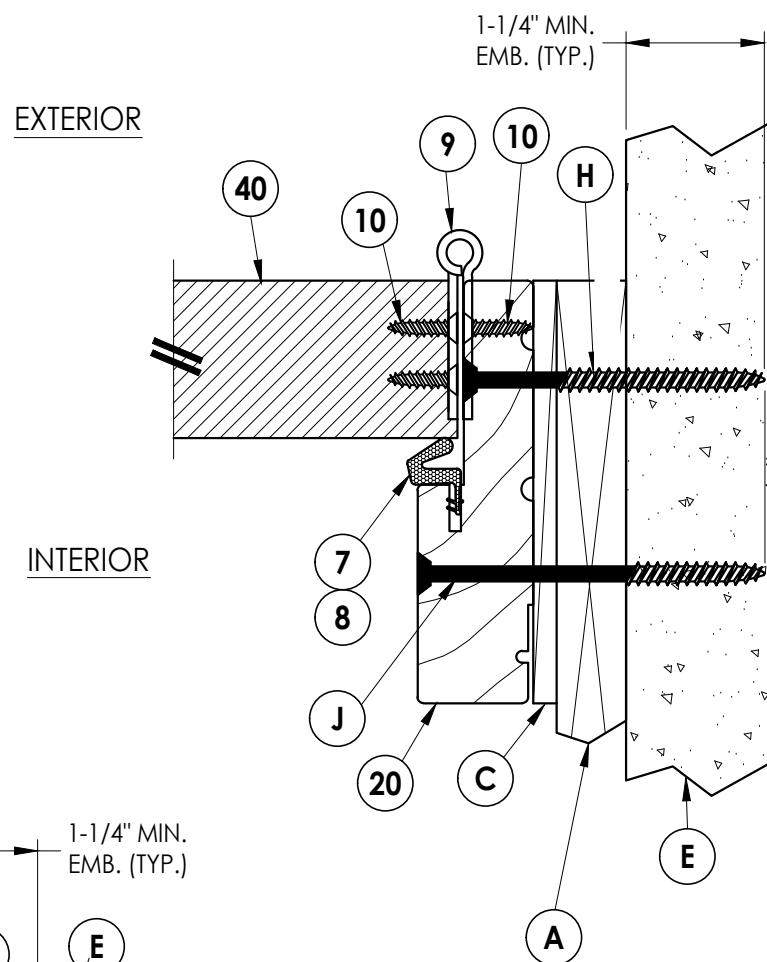
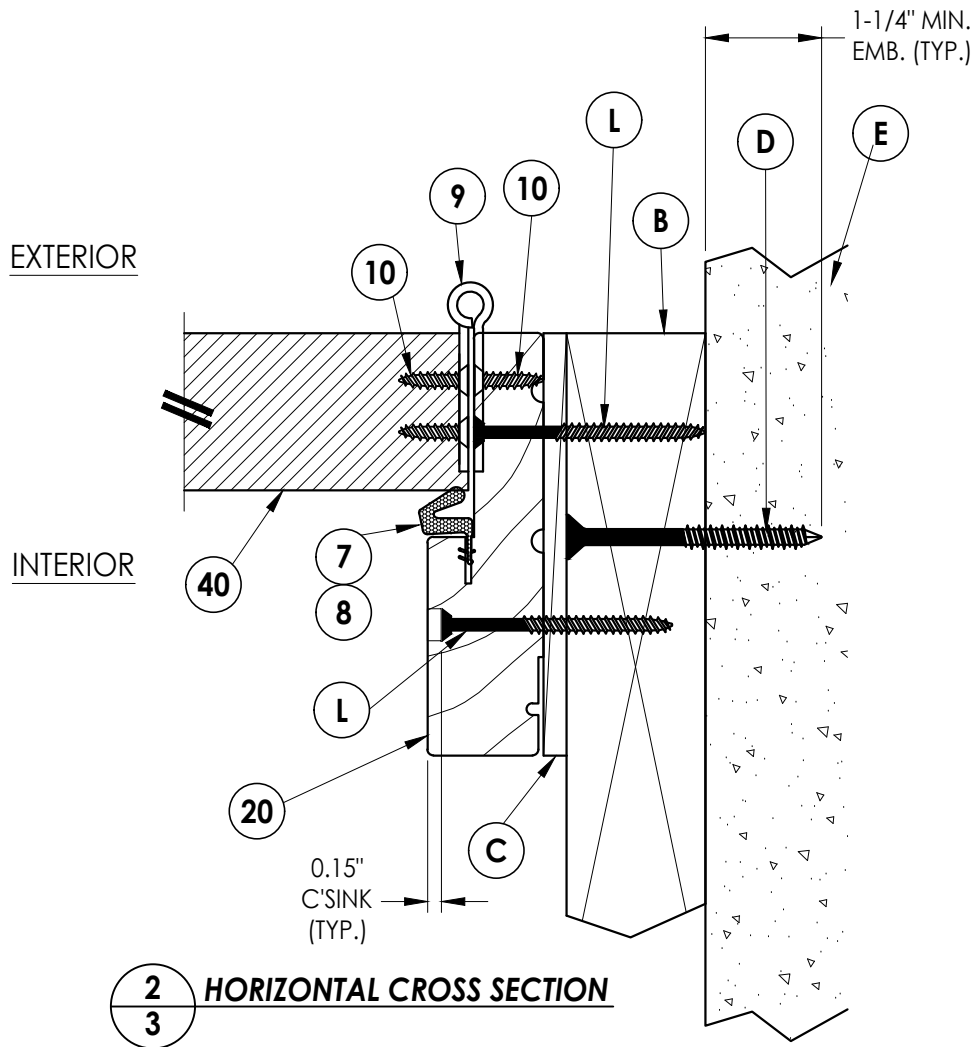
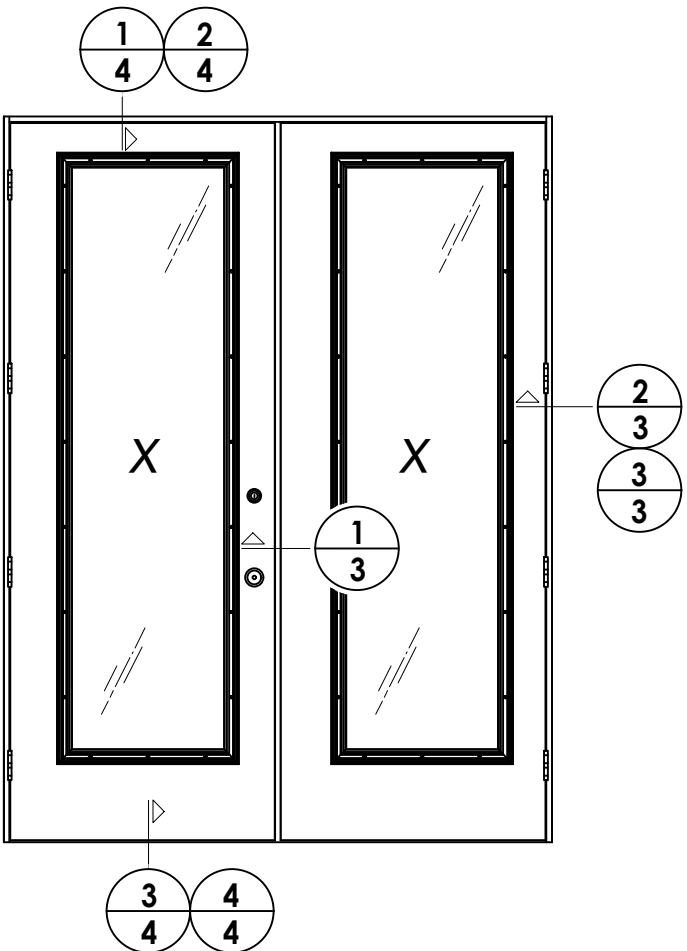
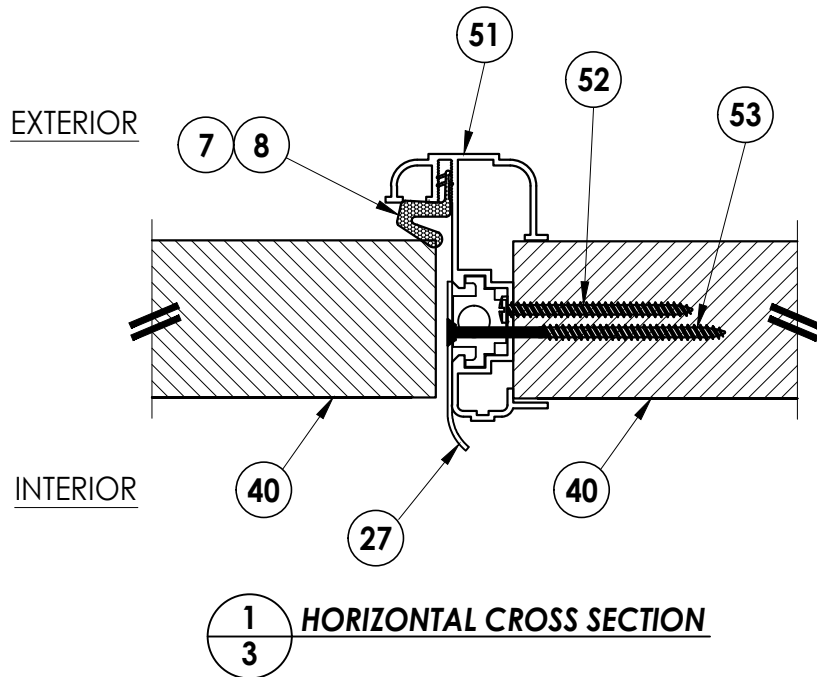
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: TAYLOR DOORS STEEL EDGE DOOR	LFS	UPDATE TO 8TH ED. (2023)	FBC
	LFS	UPDATE TO 7th ED. (2020)	FBC
PART OR ASSEMBLY: DOOR PANEL DETAILS, GLAZING DETAIL & COMPONENTS	JK	UPDATE TO 6TH ED. (2017)	FBC
	JK	UPDATE TO 5TH ED. (2014)	FBC
REVISIONS	KV	UPDATE TO 2010 FBC	
	BY	DATE	
DATE: 05/04/07			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: LFS			
DRAWING NO.: FL-8845.9			
SHEET 2 OF 9			

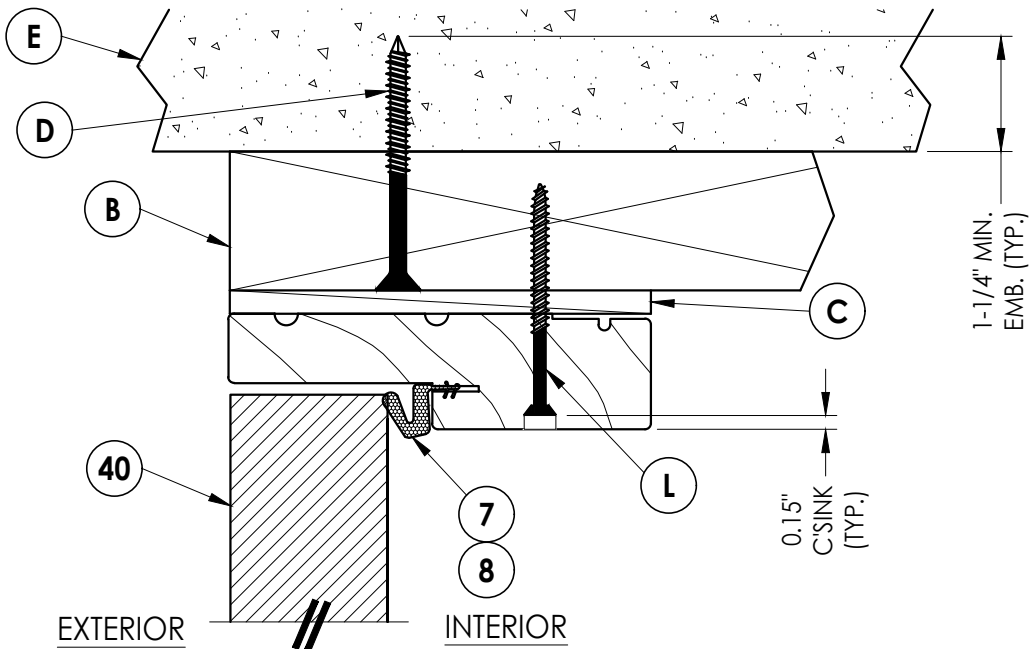
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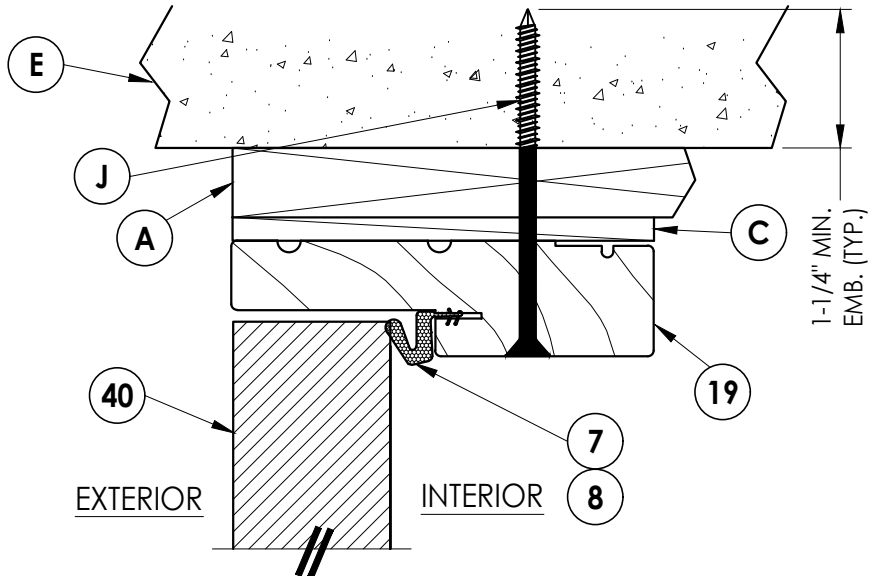
3/3 HORIZONTAL CROSS SECTION
Shown w/1X sub-buck

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 SECTIONS	
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-8845.9			
SHEET 3 OF 9			

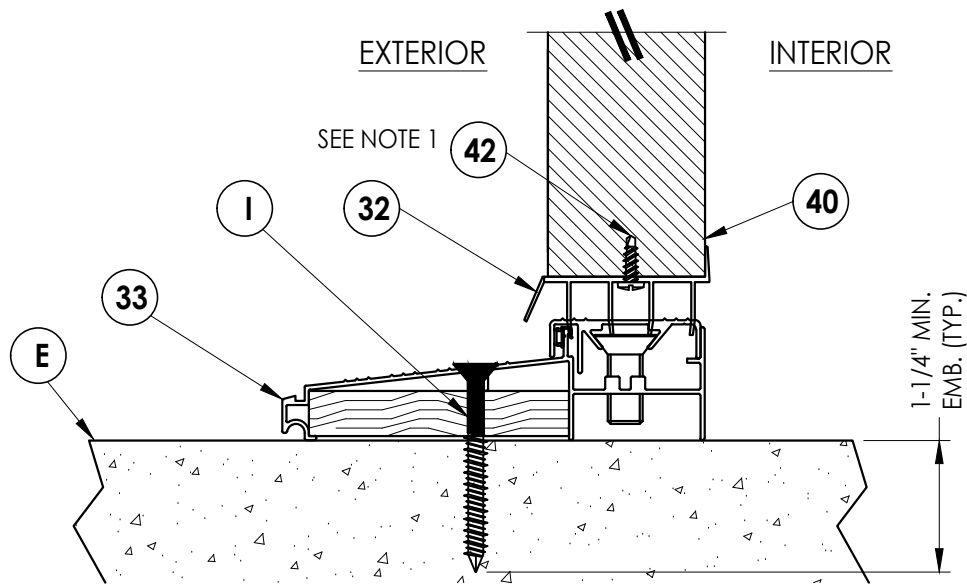
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1/4 VERTICAL CROSS SECTION

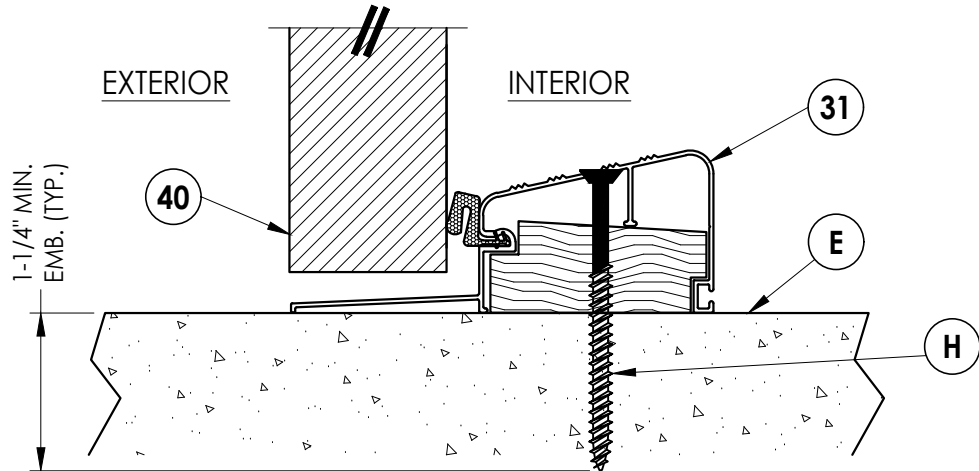


2/4 VERTICAL CROSS SECTION
Shown w/1X sub-buck



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

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:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

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

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

DRAWING NO.: FL-8845.9

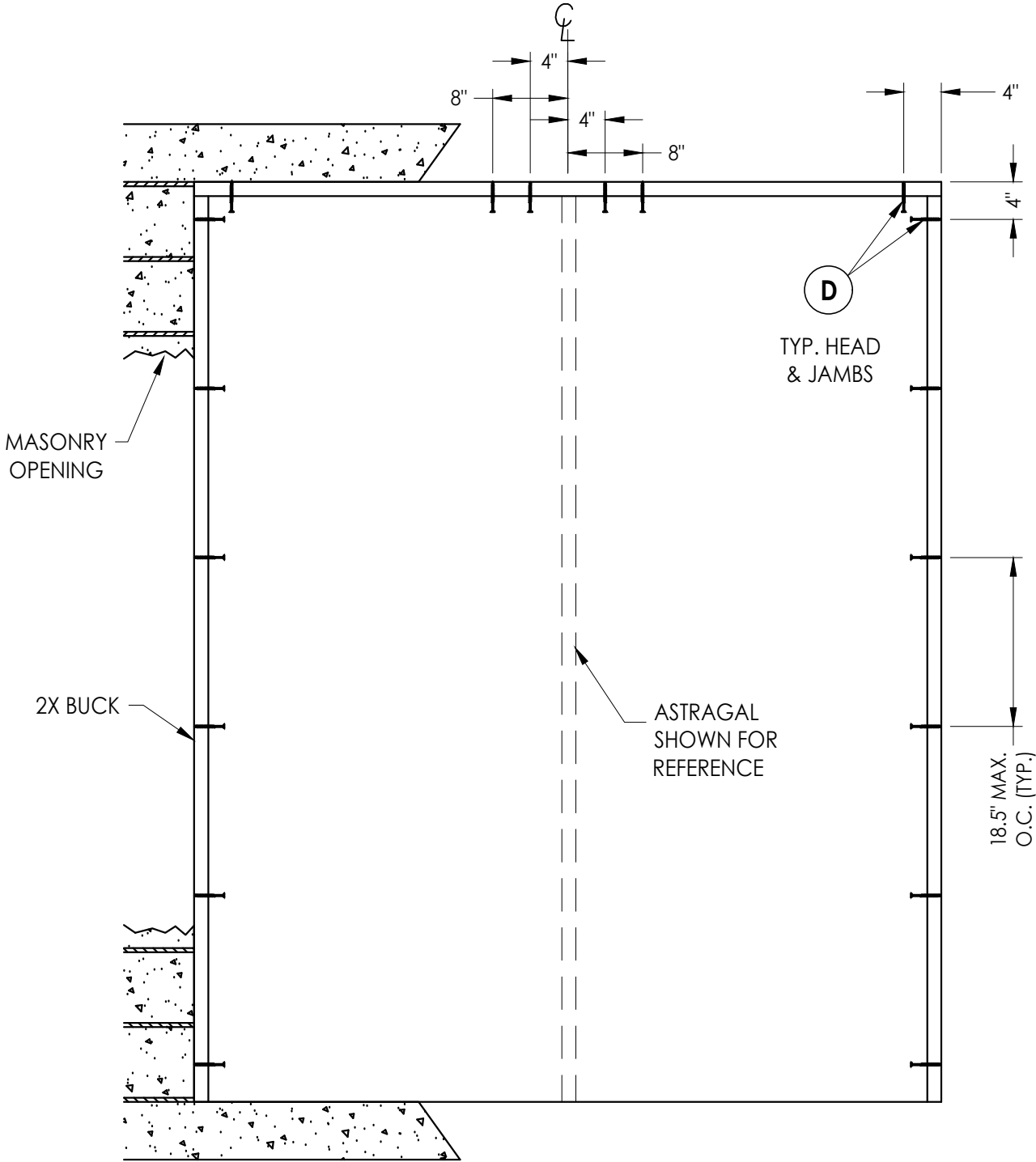
SHEET 4 OF 9

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CONCRETE ANCHOR NOTES:

- 1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 2. 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.
- 3. Concrete anchor table:

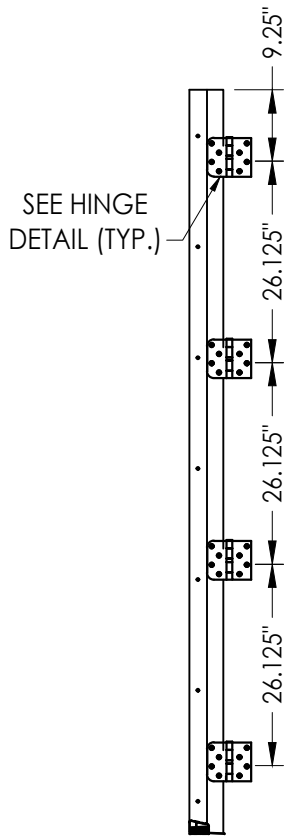
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+	1/4"	1-1/4"	1"	4"



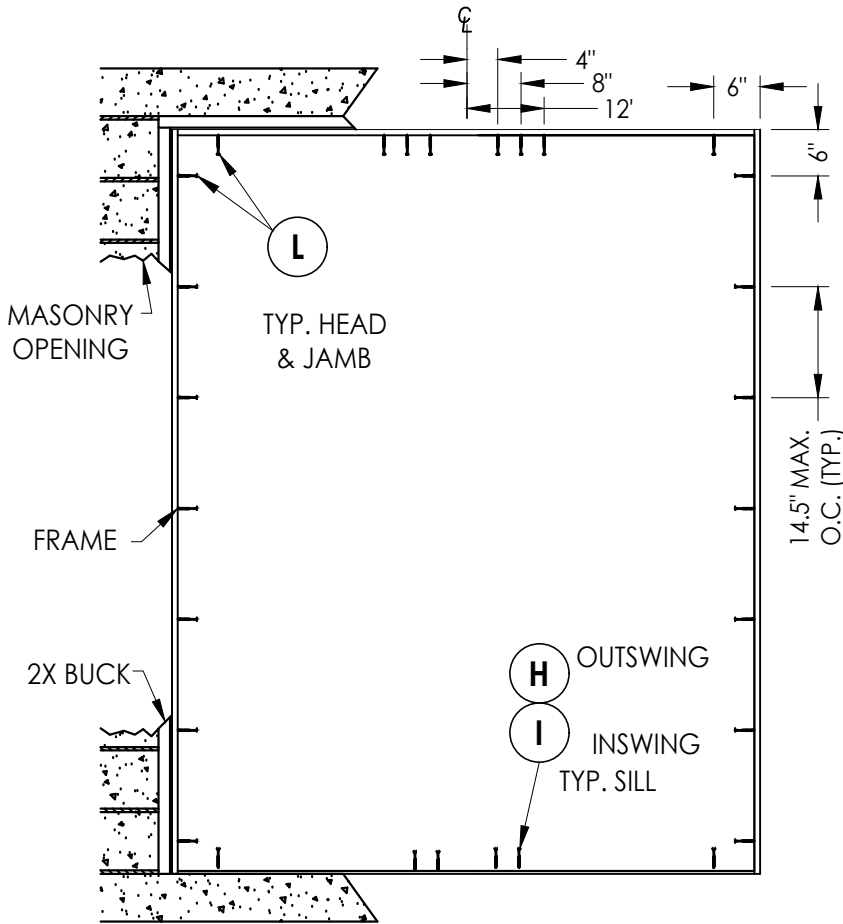
BUCK ANCHORING

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: TAYLOR DOORS STEEL EDGE DOOR		LFS		UPDATE TO 8TH ED. (2023) FBC		7/06/23		5	
P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		PART OR ASSEMBLY: BUCK ANCHORING		LFS		UPDATE TO 7th ED (2020) FBC		7/16/20		4	
RW BUILDING CONSULTANTS, INC.				JK		UPDATE TO 6TH ED. (2017) FBC		7/20/17		3	
				JK		UPDATE TO 5TH ED. (2014) FBC		3/9/15		2	
				KV		UPDATED TO 2010 FBC		1/10/12		1	
				BY				NO.		DATE	
										REVISIONS	
										DATE: 05/04/07	
										SCALE: N.T.S.	
										DWG. BY: AEM	
										CHK. BY: LFS	
										DRAWING NO.: FL-8845.9	
										SHEET 5 OF 9	

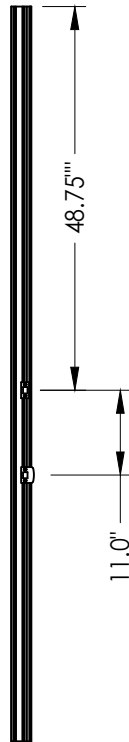
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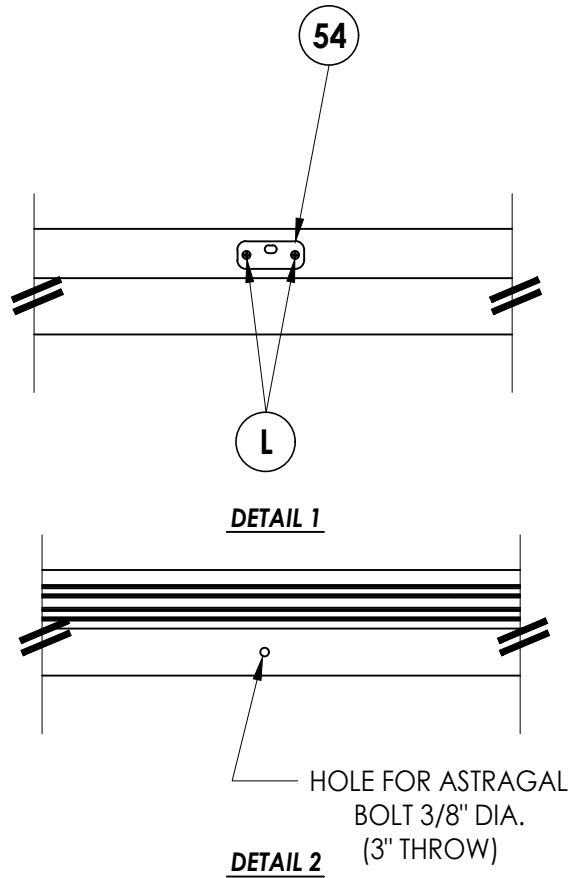
HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction



ASTRAGAL STRIKE



LATCH & DEADBOLT DETAIL

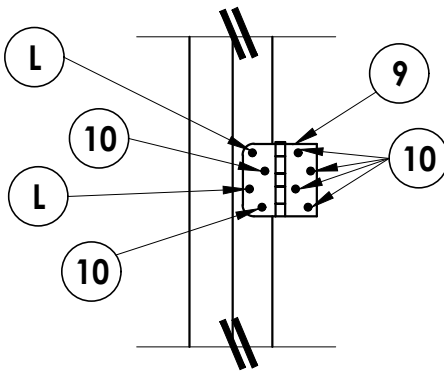
CONCRETE ANCHOR NOTES:

- 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:

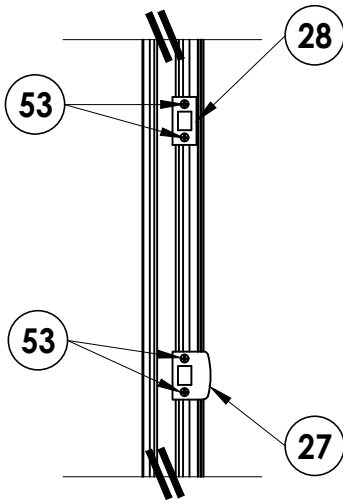
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"

WOOD SCREW INSTALLATION NOTES:

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



HINGE DETAIL



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

RW

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

		UPDATE TO 8TH ED. (2023)	FBC LFS
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.

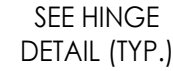
DWG. BY: AEM

CHK. BY: LFS

DRAWING NO.:

FL-8845.9

SHEET 6 OF 9



HINGE JAMB



FRAME ANCHORING

Masonry 1X buck construction



ASTRAGAL STRIKE



DETAIL 2



HINGE DETAIL



LATCH & DEADBOLT DETAIL

Astragal

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

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

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-8845.9

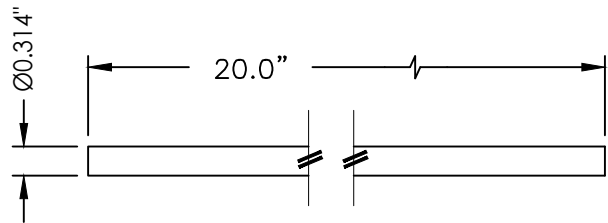
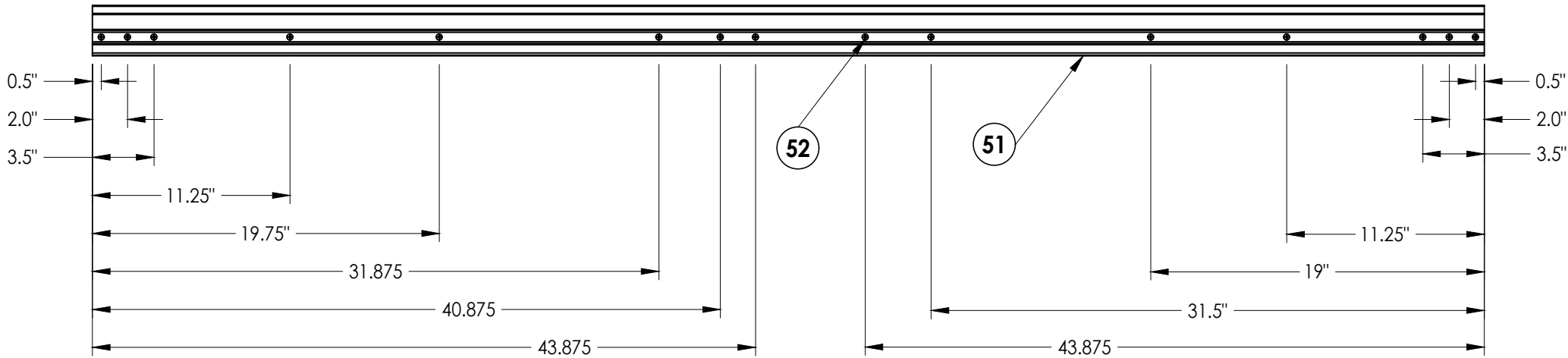
SHEET 7 OF 9

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

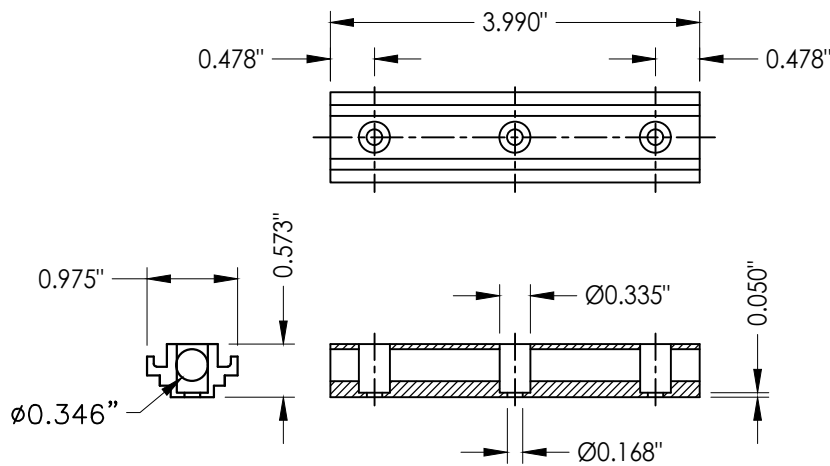
RW

PART OR ASSEMBLY:
**FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION**

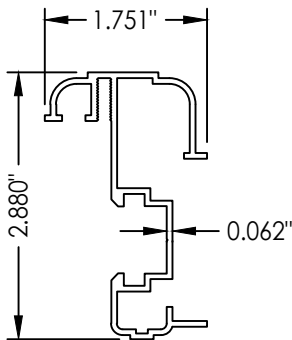
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55 **SLIDE BOLT ROD (DLP)**
TYP. TOP & BOTTOM
OF ASTRAGAL
TOP THROUGH 1.975"
BOTTOM THROUGH 1.975"



56 **CONCEALED STIFFENER**
(DLP)

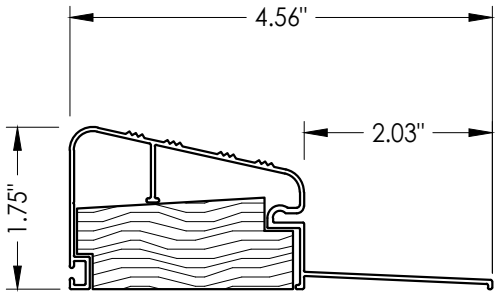


51 **ASTRAGAL**
(DLP)

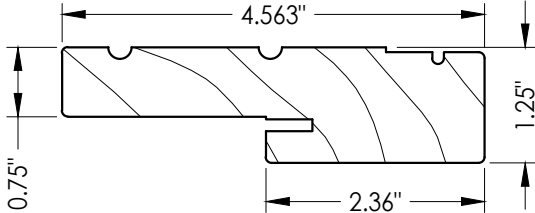
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PRODUCT: TAYLOR DOORS STEEL EDGE DOOR		PART OR ASSEMBLY: ASTRAGAL DETAILS	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	7/16/20	UPDATE TO 7th ED (2020)	FBC LFS
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC JK
1	1/10/12	UPDATED TO 2010 FBC	KV
NO.	DATE		
REVISIONS			
DATE: 05/04/07			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: LFS			
DRAWING NO.: FL-8845.9			
SHEET 8 OF 9			

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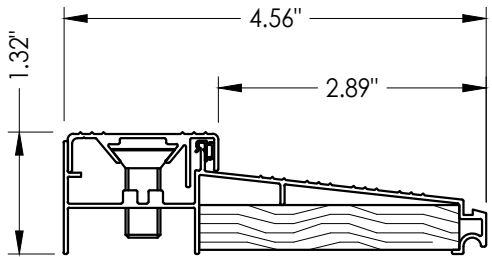
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" 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 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	-
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



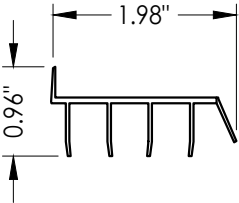
31 **OUTSWING**
Threshold by DLP



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
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			
DATE: 05/04/07			
SCALE: N.T.S.			
DWG. BY: AEM			
CHK. BY: LFS			
DRAWING NO.: FL-8845.9			
SHEET 9 OF 9			