

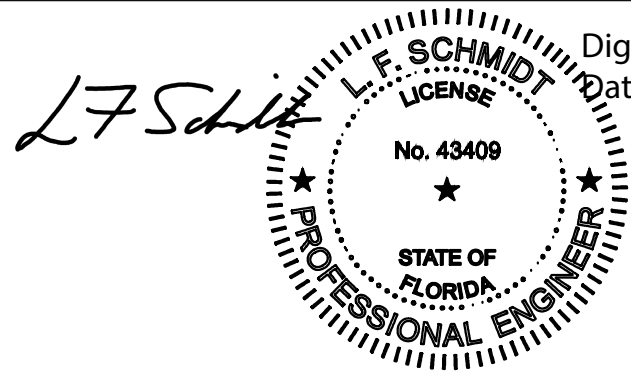


AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

STEEL EDGE OPAQUE SINGLE DOOR w/ SIDELITES
INSWING / OUTSWING
"IMPACT"

GENERAL NOTES

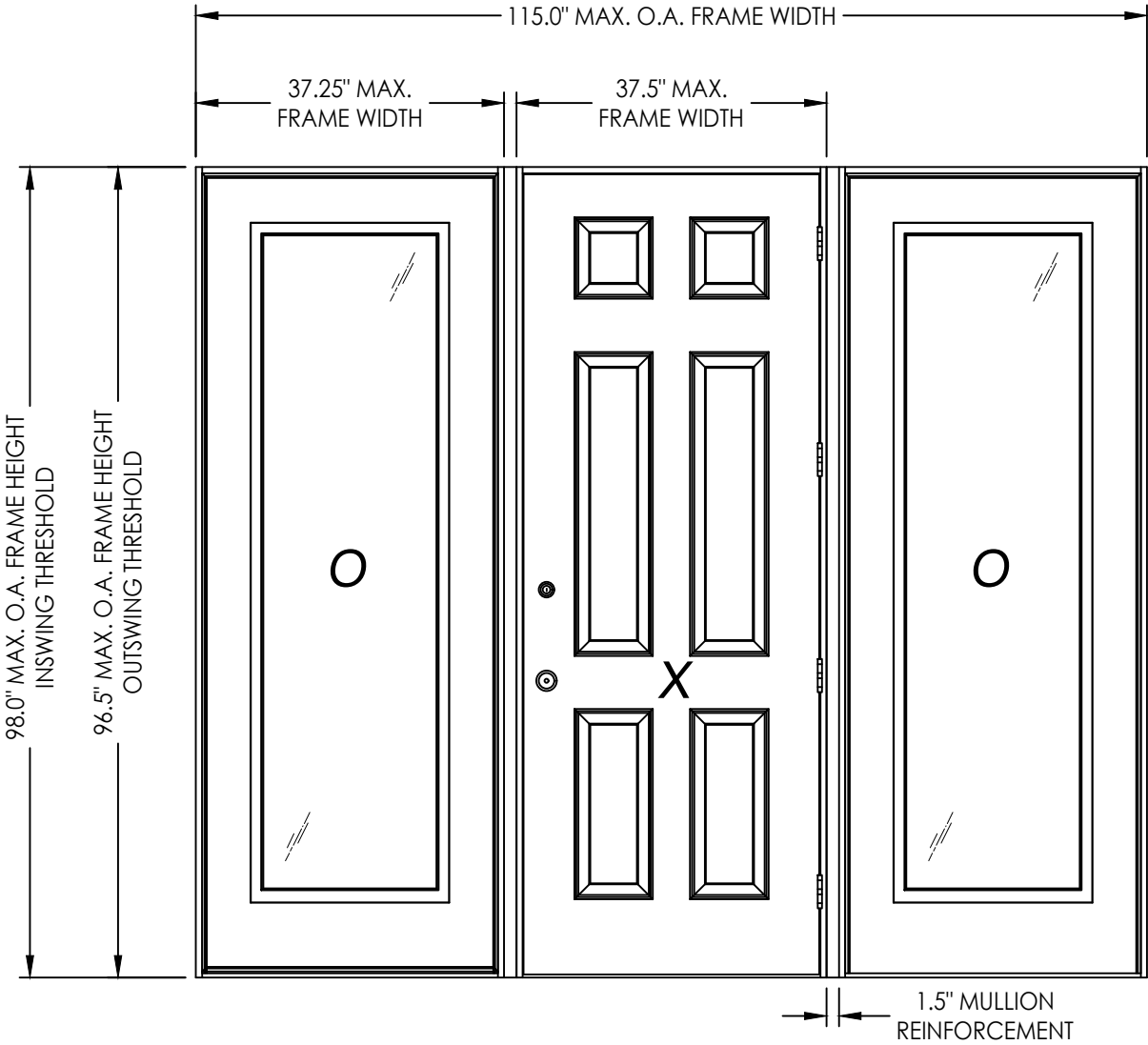
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be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



Digitally signed by Lyndon F Schmidt
Date: 2023.07.18 17:29:29 -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



OPAQUE SINGLE DOOR w/ SIDELITES

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	115.0" x 98.0"	+50.0	-50.0
OUTSWING	115.0" x 96.5"	+50.0	-50.0

SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	7	Buck anchoring
2	Door panel details, components and hardware chart	8	Frame anchoring 2X buck masonry construction
3	Sidelite panel construction details & glazing detail	9	Frame anchoring 1X buck masonry construction
4	Horizontal cross sections	10	Components
5	Vertical cross sections	11	Bill of materials
6	Vertical cross sections		

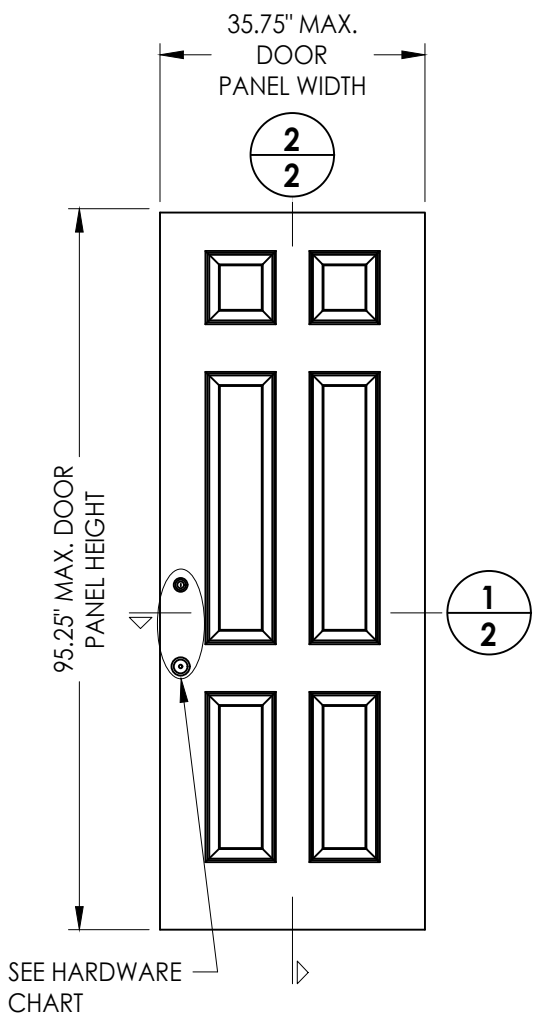
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

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	UPDATE TO 2010 FBC

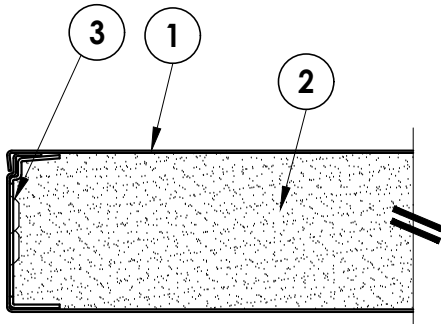
DATE: 06/04/07
SCALE: N.T.S.
DWG. BY: TL
CHK. BY: LFS
DRAWING NO.: FL-8845.18
SHEET 1 OF 11

G:\2023 FBC DRAWINGS\Taylor Entrance Systems\FL-8845 R7\FL-8845.16-20.dwg

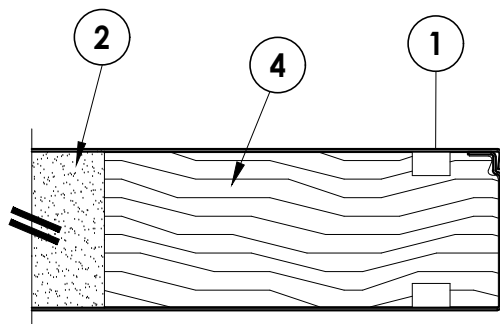


40 STEEL EDGE DOOR PANEL

HARDWARE CHART		
MANUFACTURER	MODEL	
YALE	Knob:	NEW TRADITIONS
	DEADBOLT:	NEW TRADITIONS (800 SERIES)
SCHLAGE	Knob/Lever:	"F" SERIES
	DEADBOLT:	B60/62
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

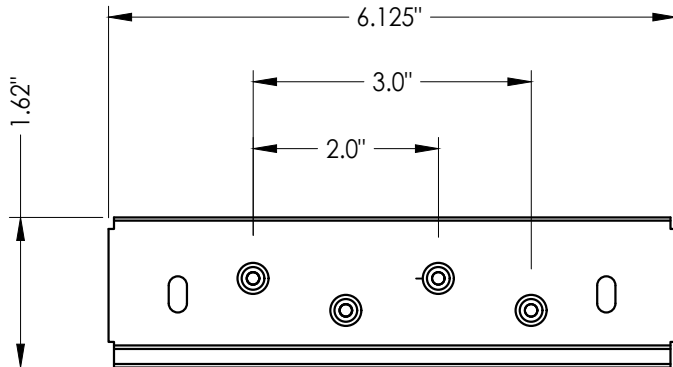


EXTERIOR

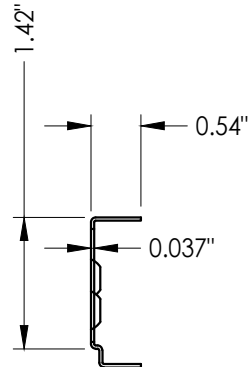


INTERIOR

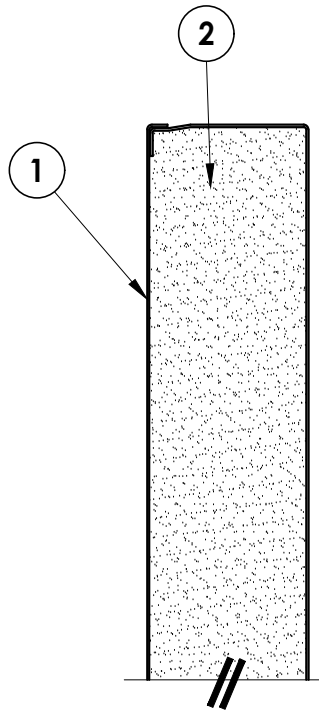
1 2 HORIZONTAL CROSS SECTION



3 HINGE REINFORCEMENT

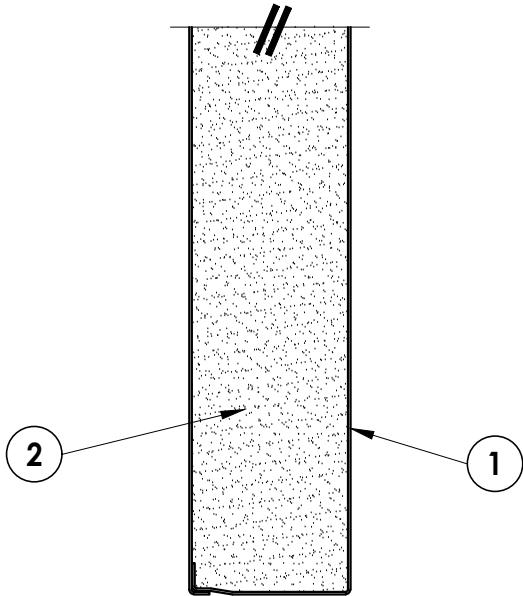


4 LOCK BLOCK DETAIL



EXTERIOR

INTERIOR



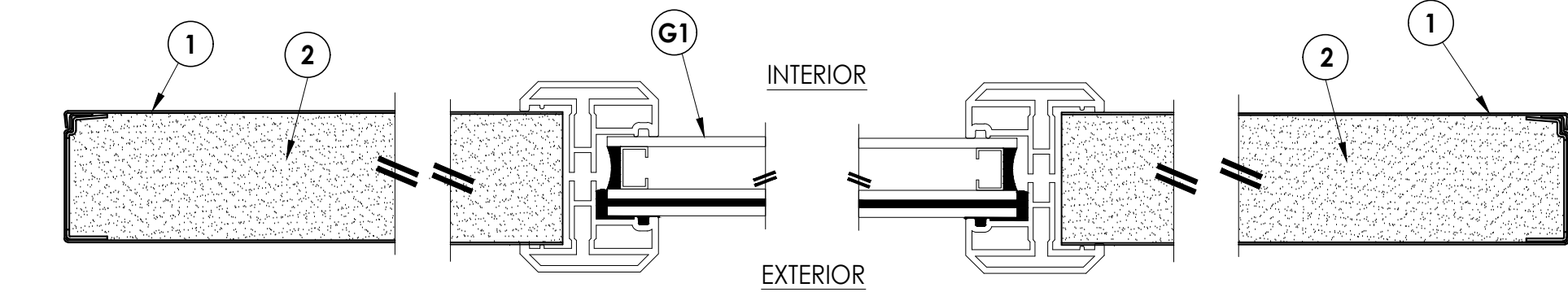
2 2 VERTICAL CROSS SECTION

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

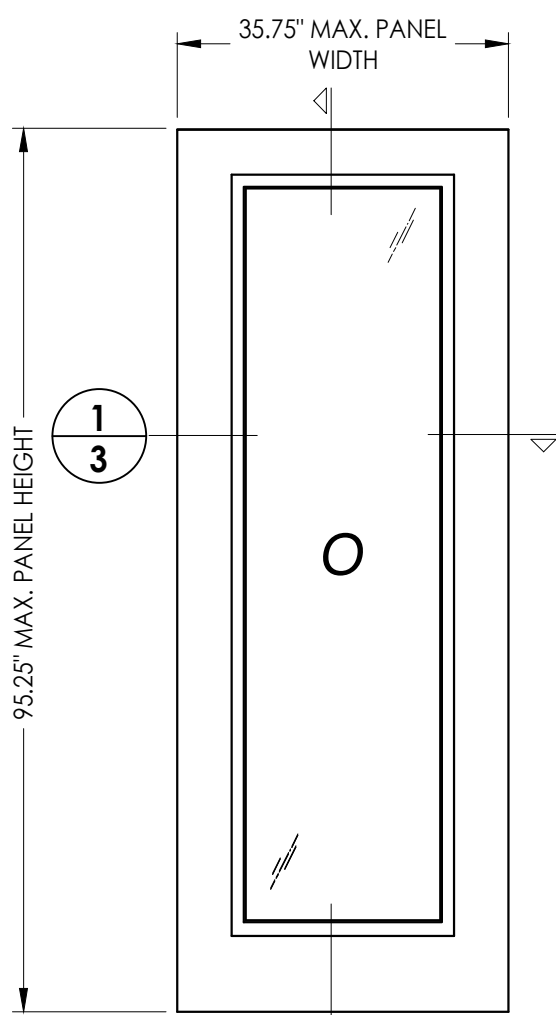
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		TAYLOR DOORS STEEL EDGE DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS, COMPONENTS & HARDWARE CHART	
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	UPDATE TO 2010 FBC	
NO.	DATE		
REVISIONS			
DATE: 06/04/07			
SCALE: N.T.S.			
DWG. BY: TL			
CHK. BY: LFS			
DRAWING NO.: FL-8845.18			
SHEET 2 OF 11			

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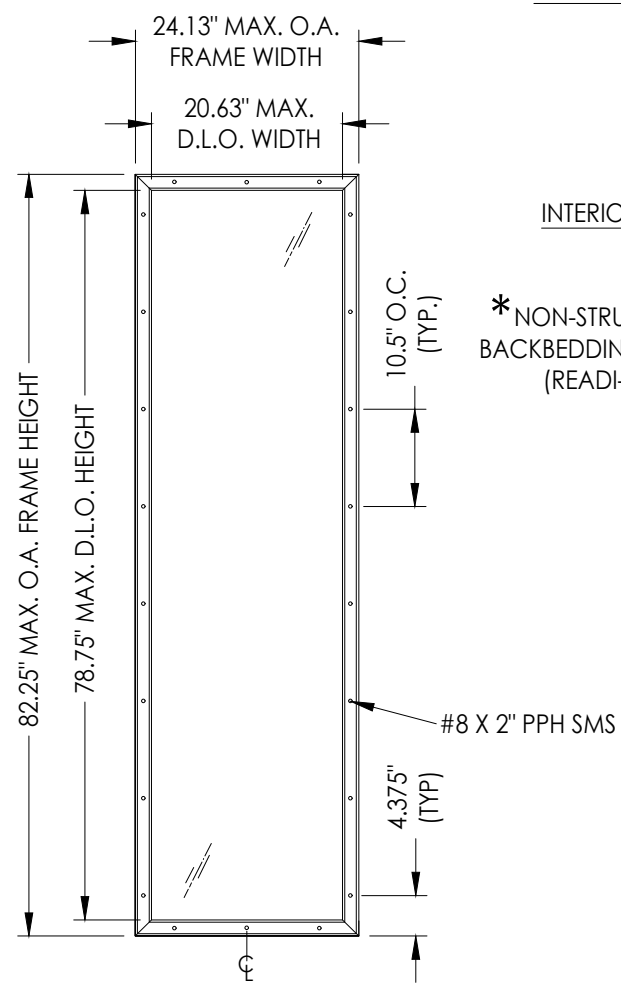


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3 HORIZONTAL CROSS SECTION

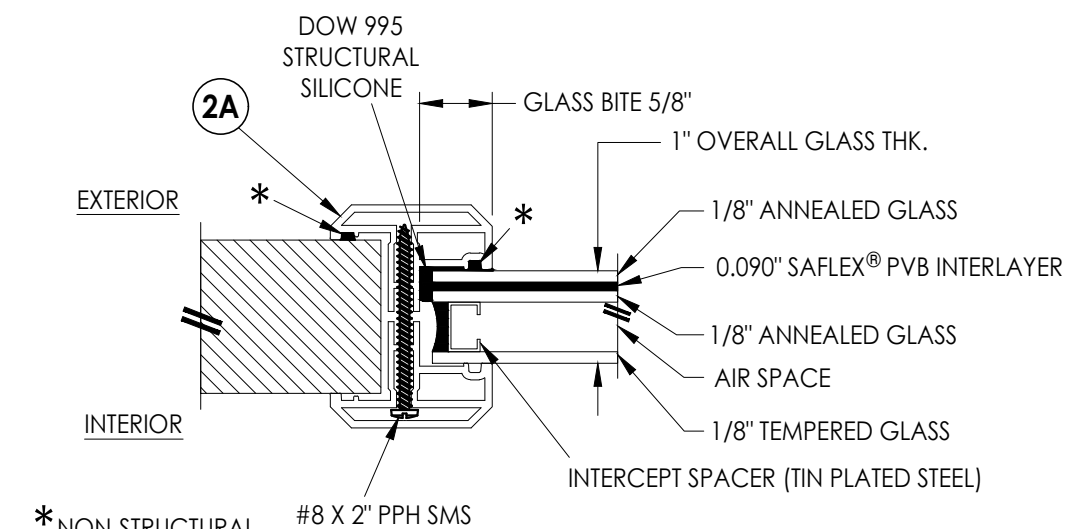


2
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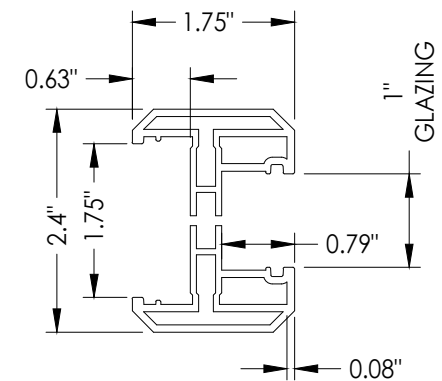
50 PLASTPRO SIDELITE PANEL



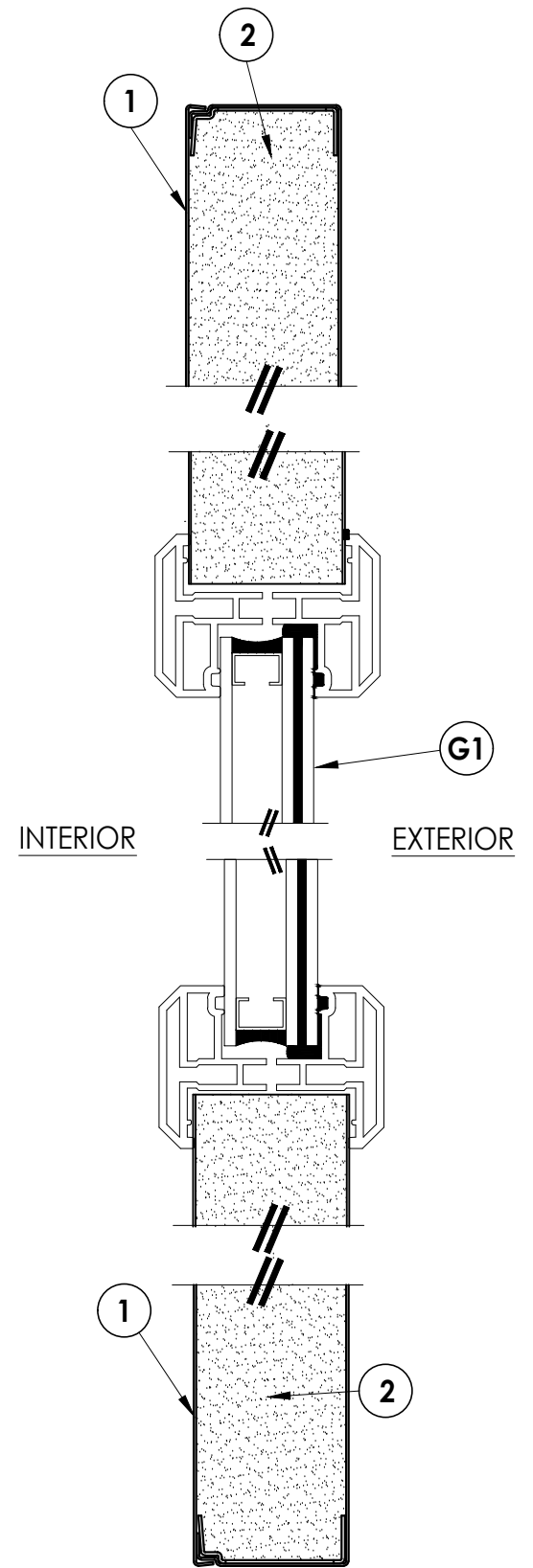
ODL LITE FRAME DETAIL
"FLAT FRAME" PROFILE



G1 GLAZING DETAIL
ODL "FLAT FRAME"



2A ODL LITE FRAME
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



2
3 VERTICAL CROSS SECTION

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

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
SIDELITE PANEL CONSTRUCTION
DETAILS & GLAZING DETAIL

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	UPDATE TO 2010 FBC	KV	BY
NO.	DATE			

DATE: 06/04/07

SCALE: N.T.S.

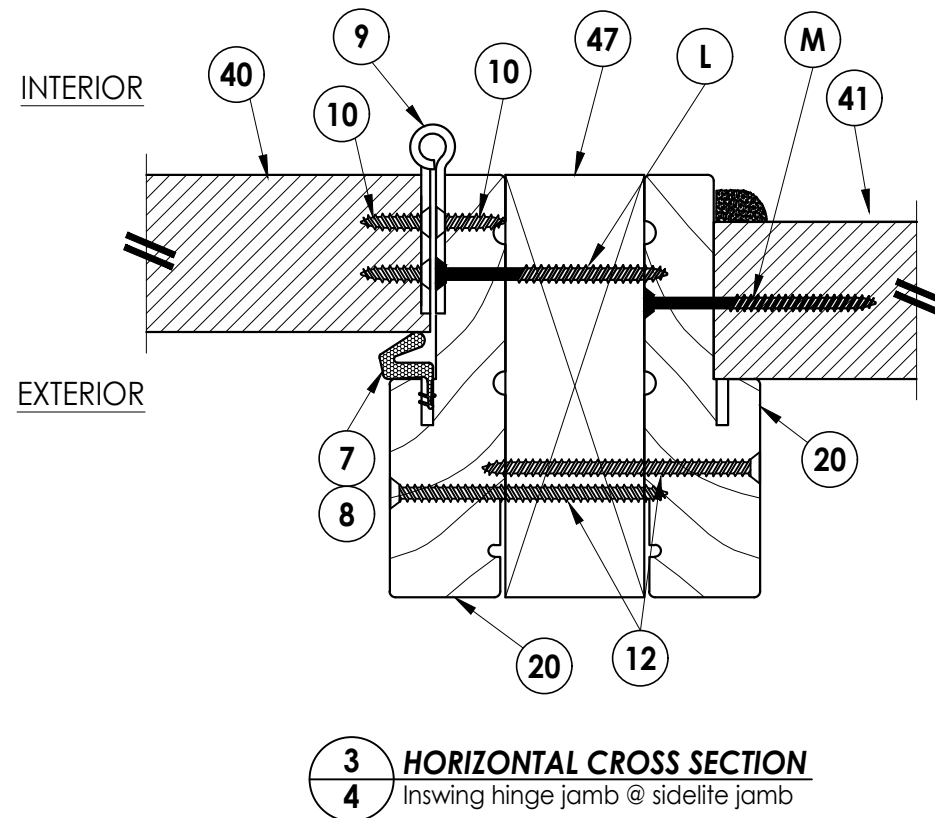
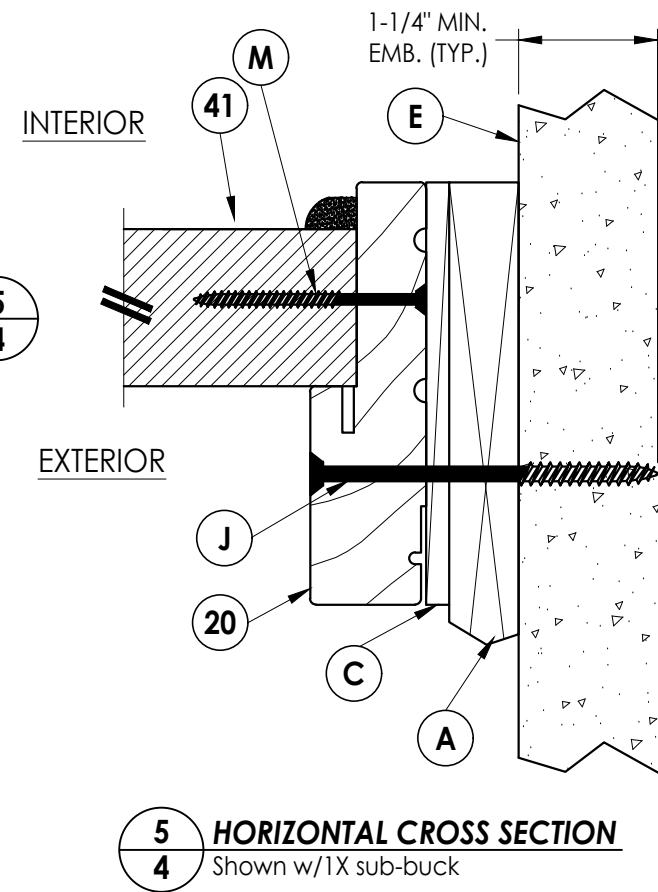
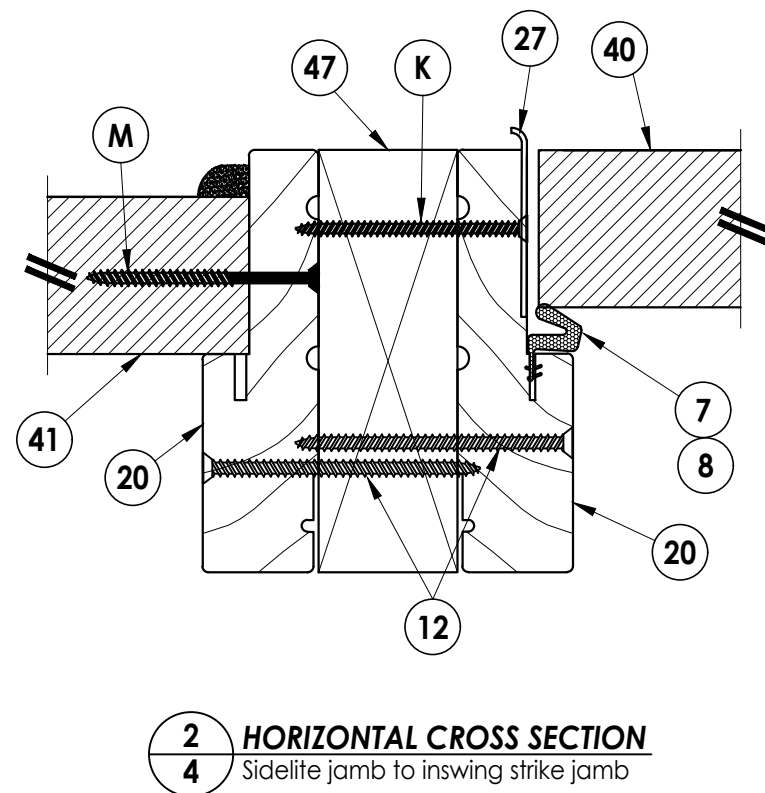
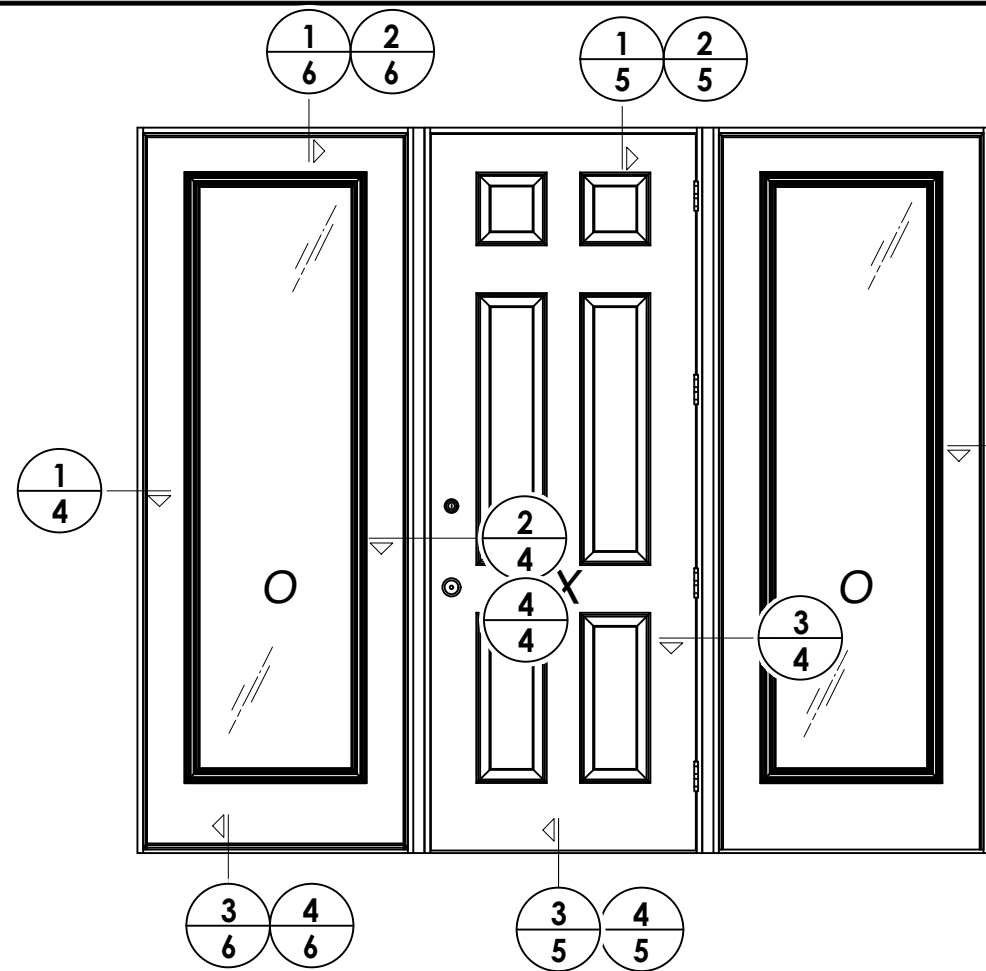
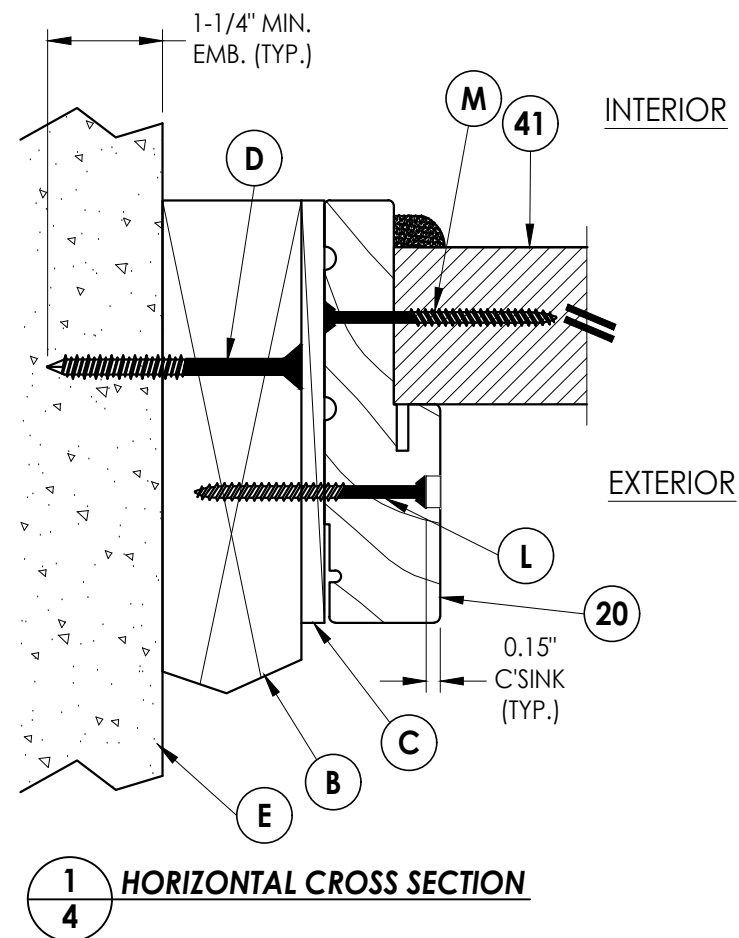
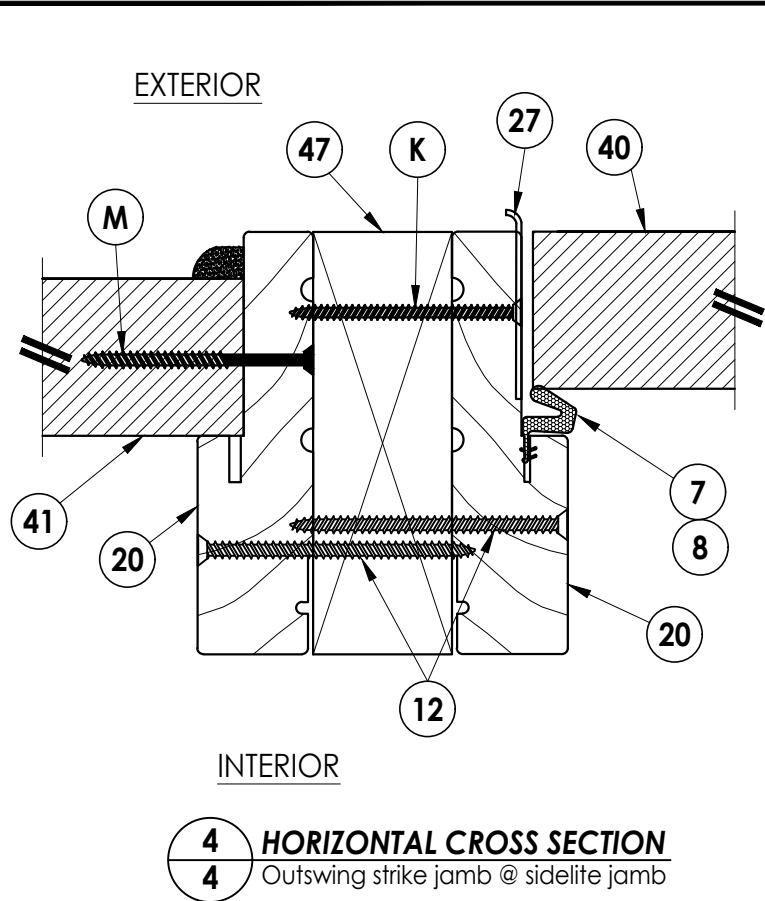
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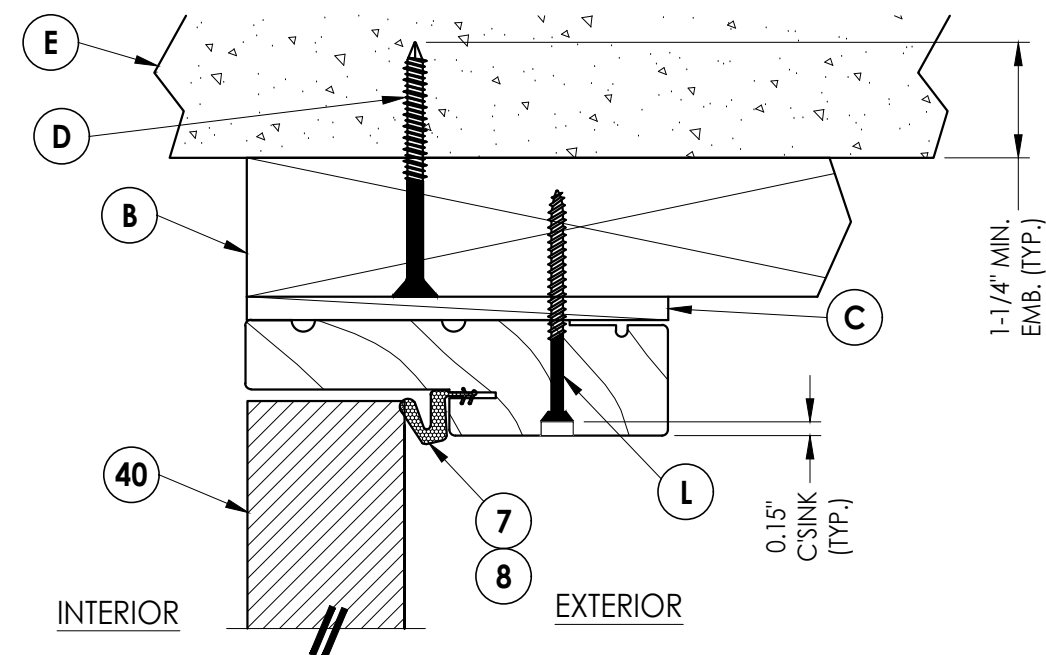
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SHEET 3 OF 11

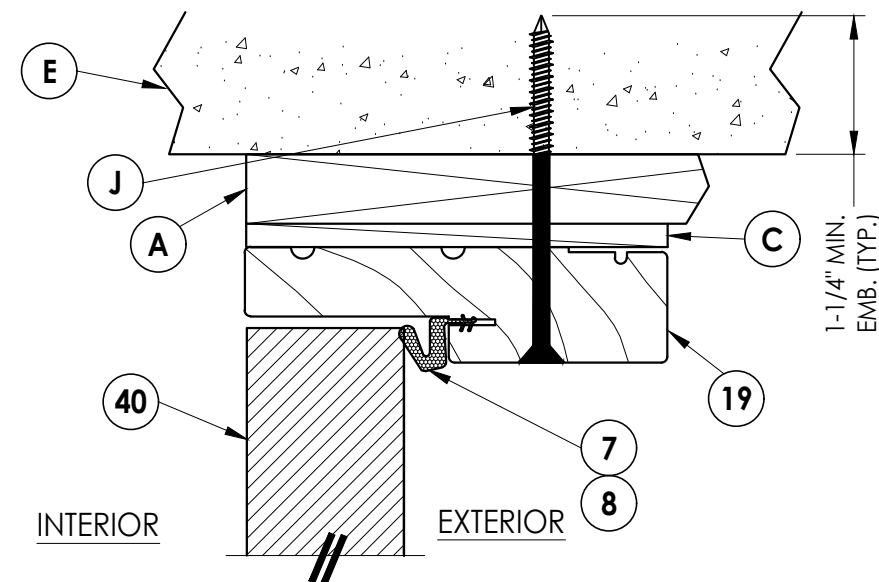
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



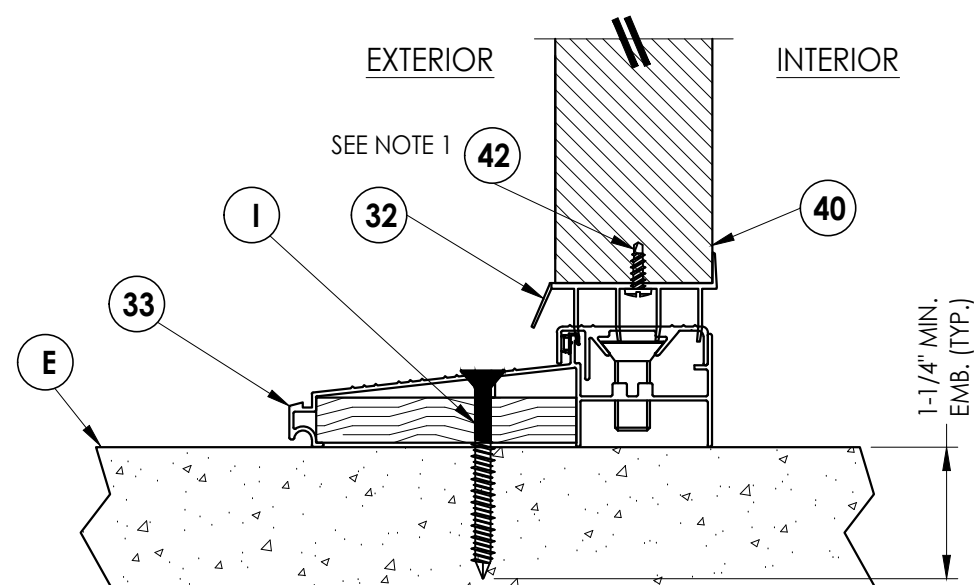
DATE: 06/04/07					
SCALE: N.T.S.					
DWG. BY: TL					
CHK. BY: LFS					
DRAWING NO.: FL-8845.18					
SHEET	4	OF	11		
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	PRODUCT: TAYLOR DOORS STEEL EDGE DOOR
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS	
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
1	1/10/12	UPDATE TO 2010 FBC		KV	
NO.	DATE				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS
					BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
REVISIONS					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					



1 **VERTICAL CROSS SECTION**
5

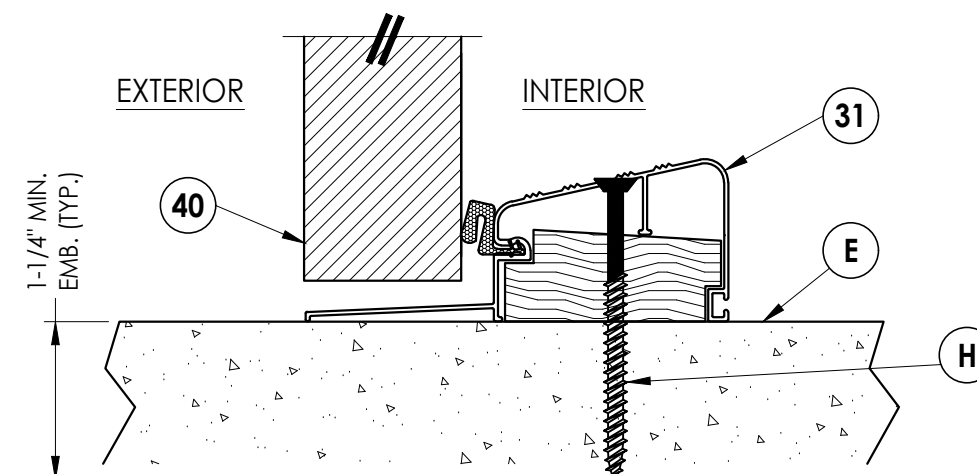


2 VERTICAL CROSS SECTION
5 Shown w/1X sub-buck



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

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	UPDATE TO 2010 FBC		KV
NO.	DATE			BY

DATE: 06/04/07

SCALE: *N.T.S.*

DWG. BY: *TL*

CHK. BY: LFS

DRAWING NO.:

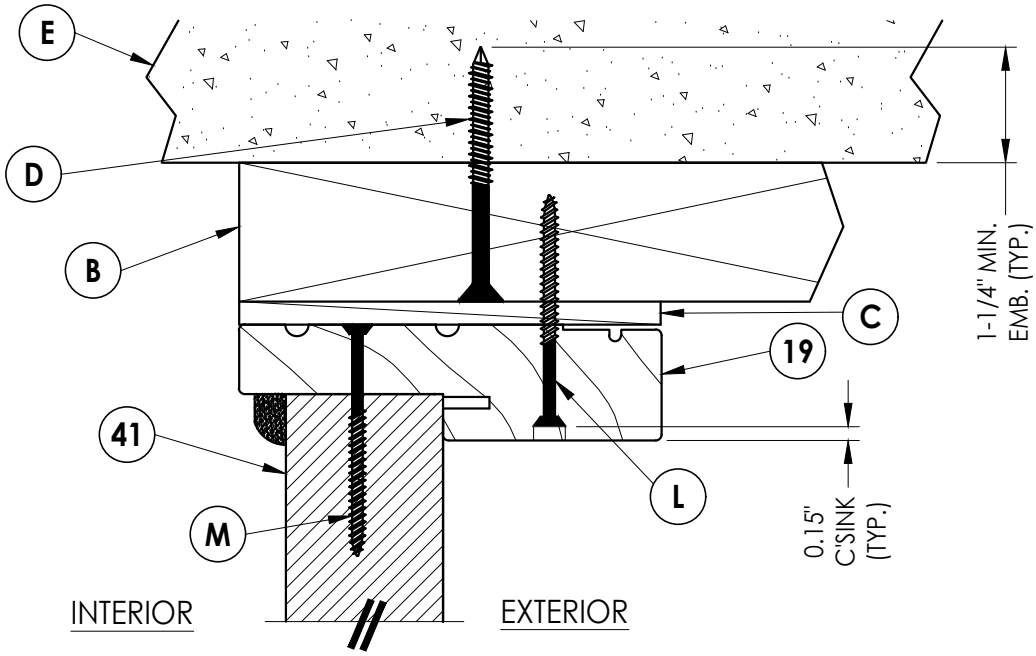
FL-8845.18

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

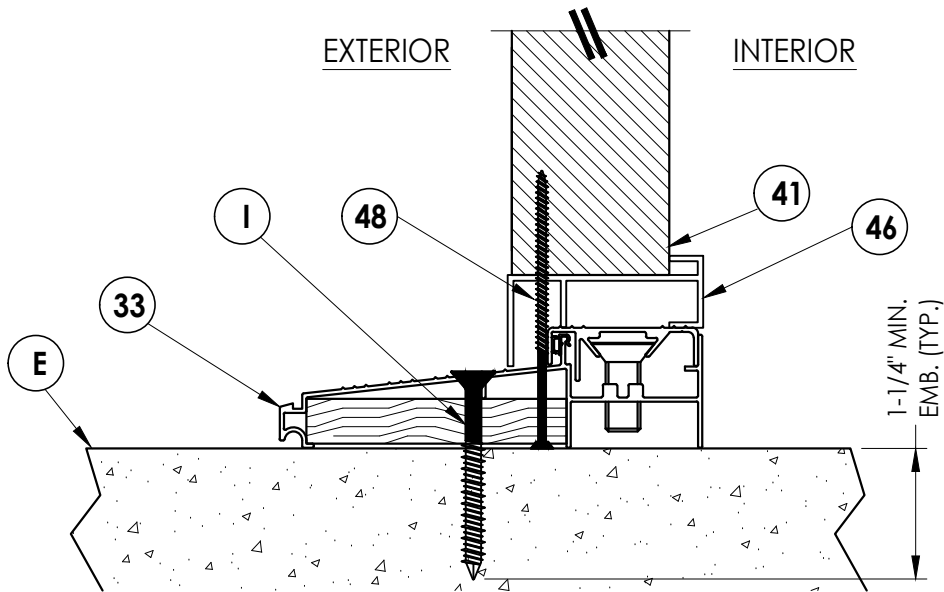
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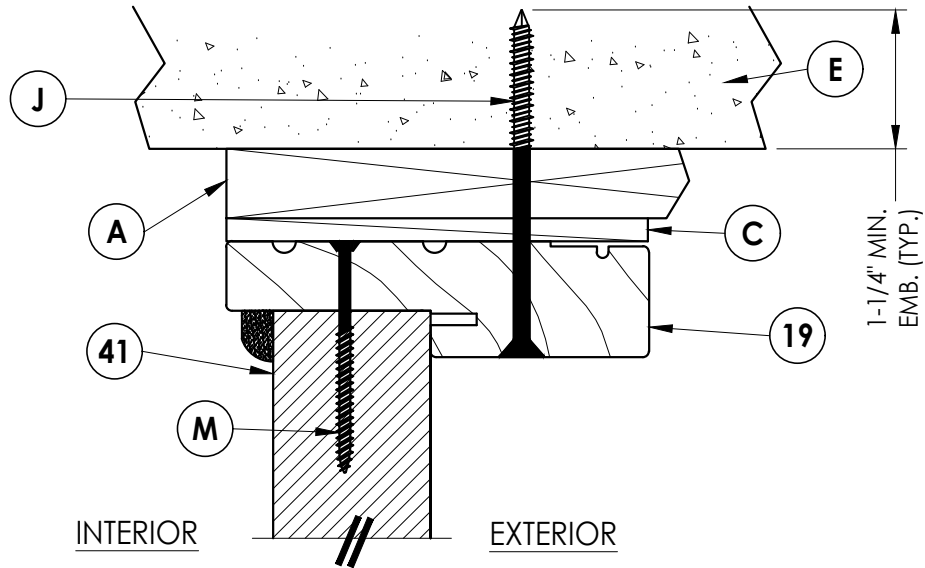
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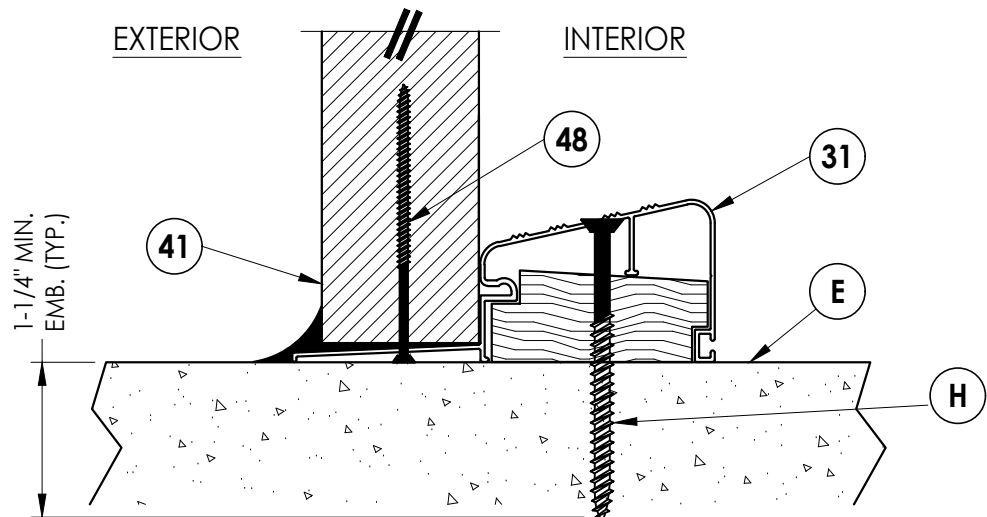
1
6 **VERTICAL CROSS SECTION**



3
6 **VERTICAL CROSS SECTION**
Inswing configuration



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



4
6 **VERTICAL CROSS SECTION**
Outswing configuration

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	UPDATE TO 2010 FBC

DATE: 06/04/07

SCALE: N.T.S.

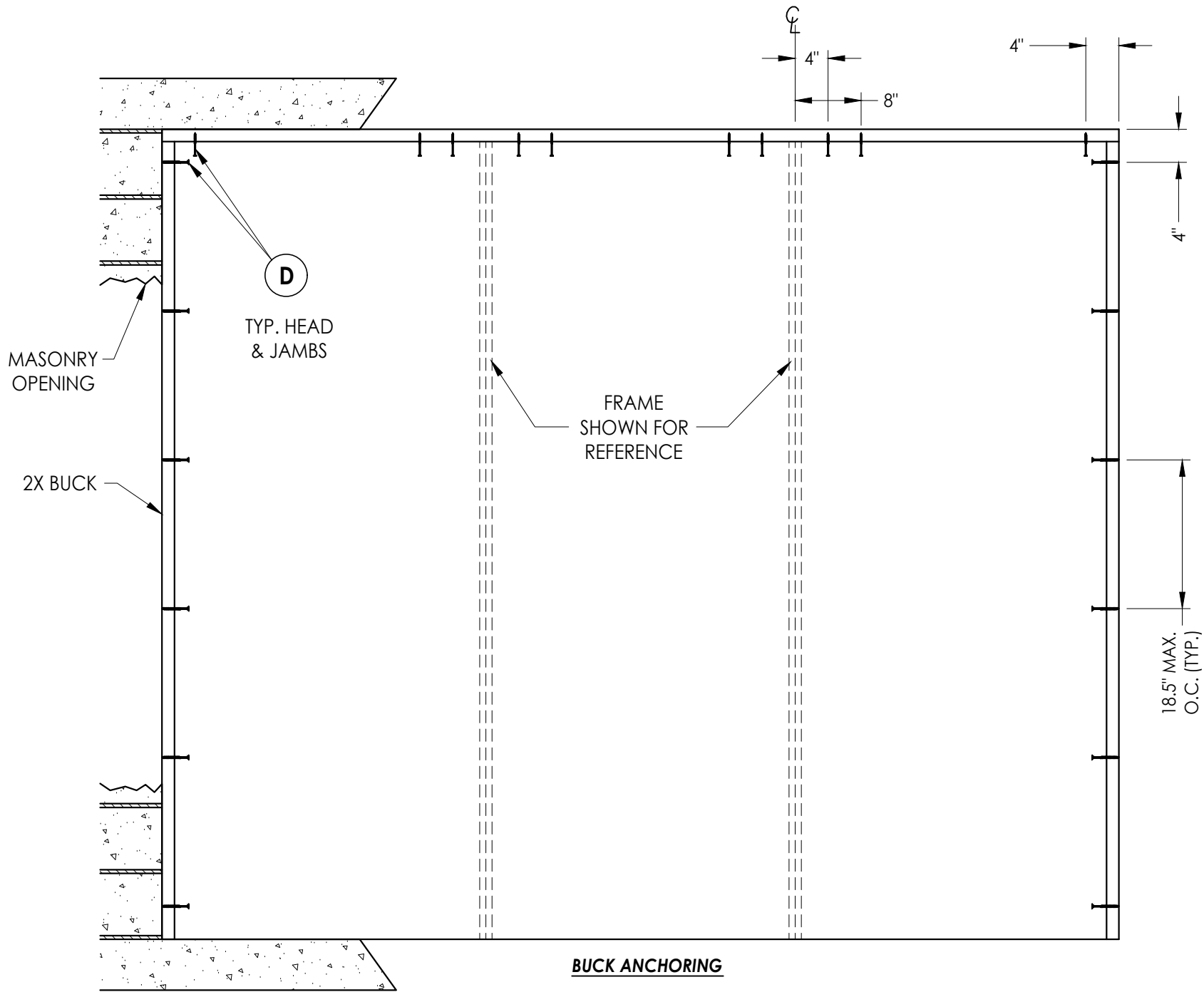
DWG. BY: TL

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DRAWING NO.: FL-8845.18

SHEET 6 OF 11

G:\2023 FBC DRAWINGS\Taylor Entrance Systems\FL-8845 R7\FL-8845.16-20.dwg



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.

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

TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BUCK ANCHORING

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

11/10/12UPDATE TO 2010 FBC

NO.

DATE

REVISIONS

DATE: 4/16/08

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

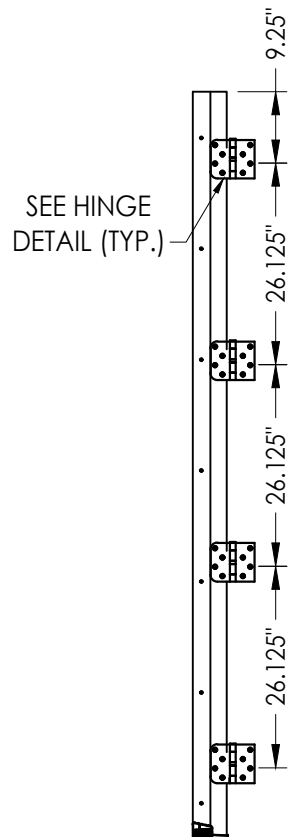
DRAWING NO.: FL-8845.18

SHEET 7 OF 11

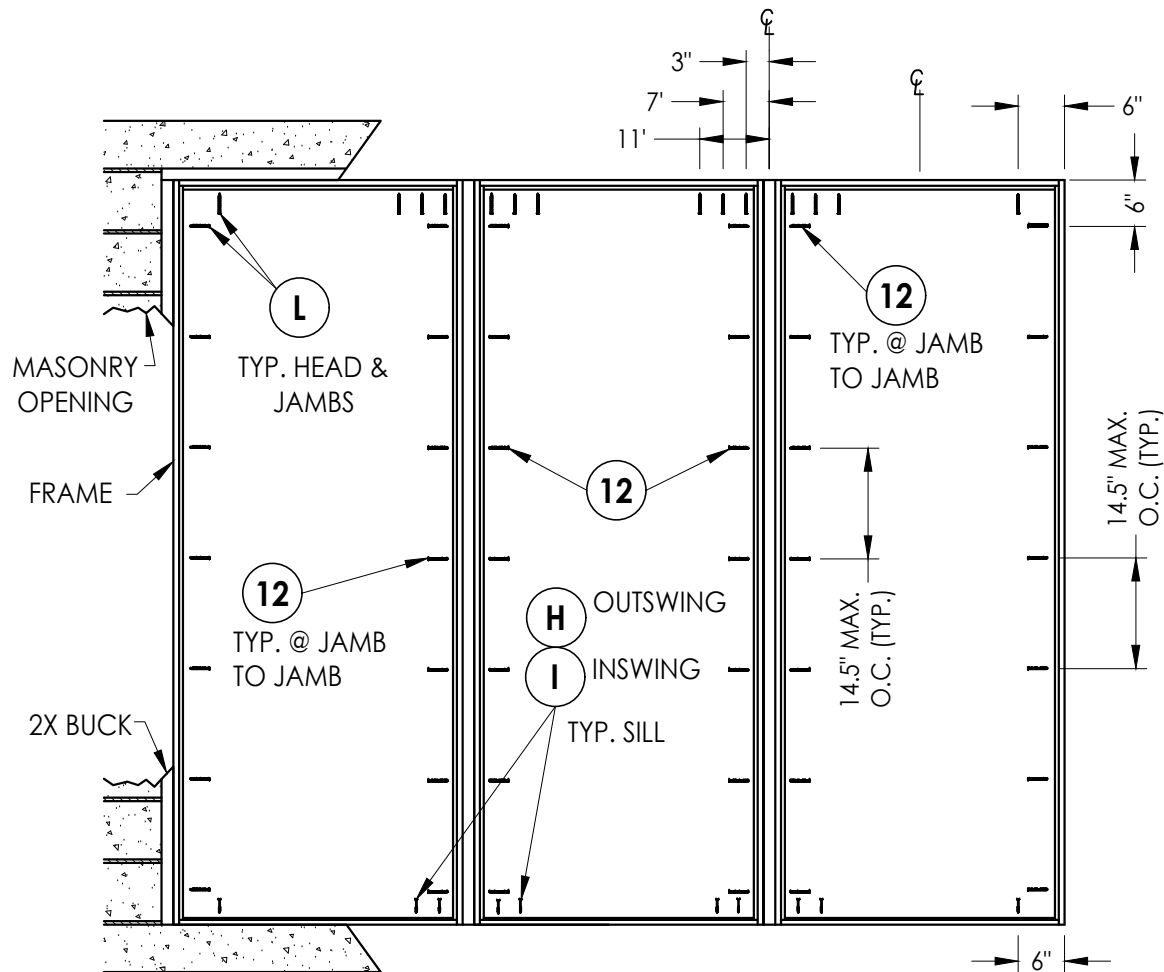
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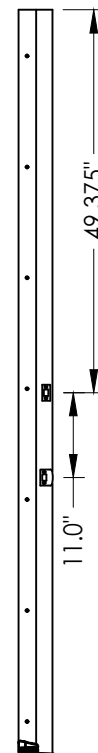
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HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction



STRIKE JAMB

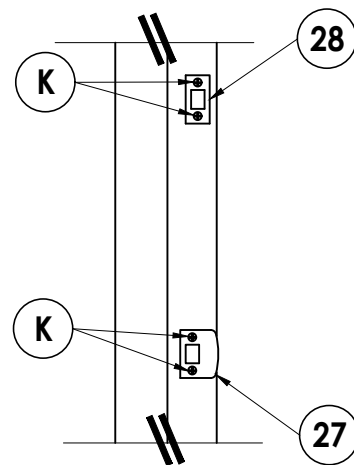
CONCRETE ANCHOR NOTES:

- 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:

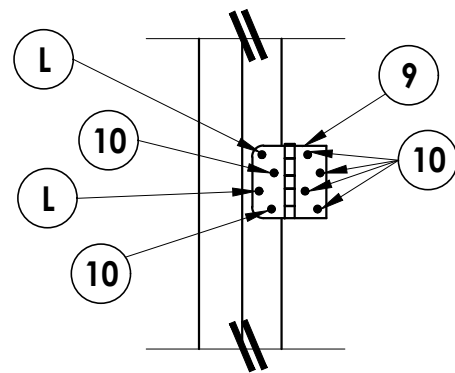
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"

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.



LATCH & DEADBOLT DETAIL



HINGE DETAIL

NO.	DATE	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	UPDATE TO 2010 FBC		KV		

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

DRAWING NO.:

FL-8845.18

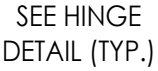
SHEET 8 OF 11

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

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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:
FRAME ANCHORING 2X BUCK
MASONRY CONSTRUCTION



HINGE JAMB



FRAME ANCHORING
Masonry 2X buck construction

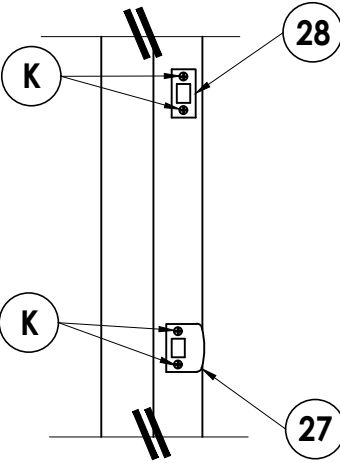


STRIKE JAMB

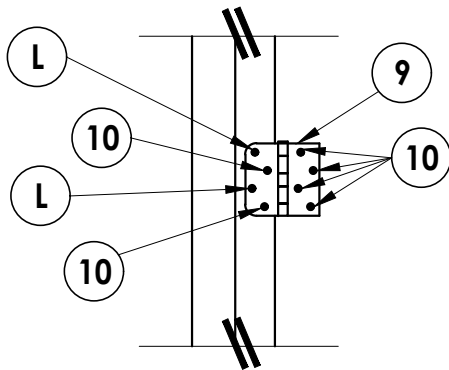
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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.



LATCH & DEADBOLT DETAIL



HINGE DETAIL

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	UPDATE TO 2010 FBC		KV
NO.	DATE			BY
				REVISIONS

DATE: 06/04/07

SCALE: *N.T.S.*

DWG. BY: TL

CHK. BY: *LFS*

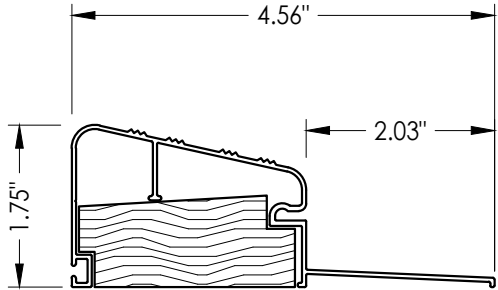
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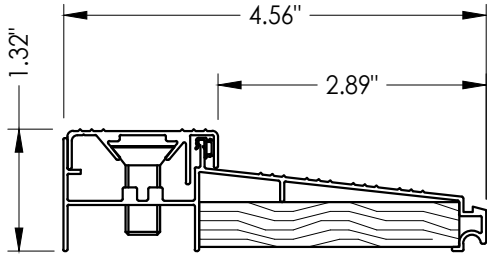
Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

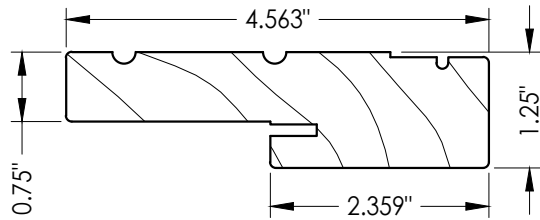
G:\2023 FBC DRAWINGS\Taylor Entrance Systems\FL-8845 R7\FL-8845.16-20.dwg



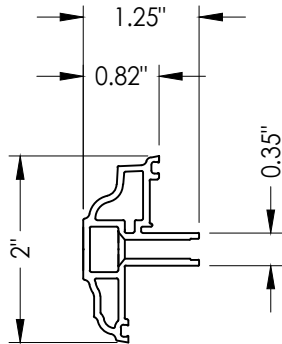
31 **OUTSWING**
Threshold by DLP



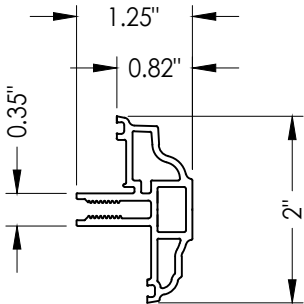
33 **INSWING**
Threshold



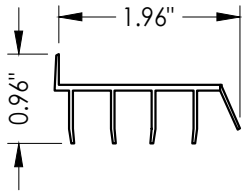
19 20 **HEAD & SIDE**
Jamb



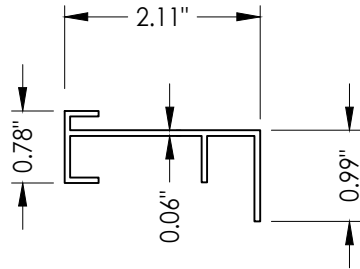
23 **INTERIOR LITE FRAME**
ODL



22 **EXTERIOR LITE FRAME**
ODL



32 **SWEEP**



46 **INSWING SIDELITE**
Adapter

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	UPDATE TO 2010 FBC

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

DRAWING NO.:
FL-8845.18

SHEET 10 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

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
COMPONENTS

G:\2023 FBC DRAWINGS\Taylor Entrance Systems\FL-8845 R7\FL-8845.16-20.dwg

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
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	#9 X 2-1/2" PFH WOOD 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
12	#10 X 3" 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	#10 X 1-3/4" PFH SCREW	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	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR DETAILS	-
42	#8 X 1/2" PPH SELF-DRILLING SCREW	STEEL
46	INSWING SIDELITE ADAPTER	PVC
47	2X MULLION REINFORCEMENT SG >= 0.42	WOOD
48	#6 X 3" PFH WOOD SCREW	STEEL

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

RW

BUILDING CONSULTANTS, INC.
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PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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NO.	DATE			BY
REVISIONS				

DATE: 06/04/07

SCALE: N.T.S.

DWG. BY: TL

CHK. BY: LFS

DRAWING NO.: FL-8845.18

SHEET 11 OF 11

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