



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

STEEL EDGE OPAQUE 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.

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SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	6	Frame anchoring 2X buck masonry construction
2	Door panel details, components and hardware chart	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		

LFSchmidt

L. F. SCHMIDT

LICENSE

No. 43409

★

STATE OF FLORIDA

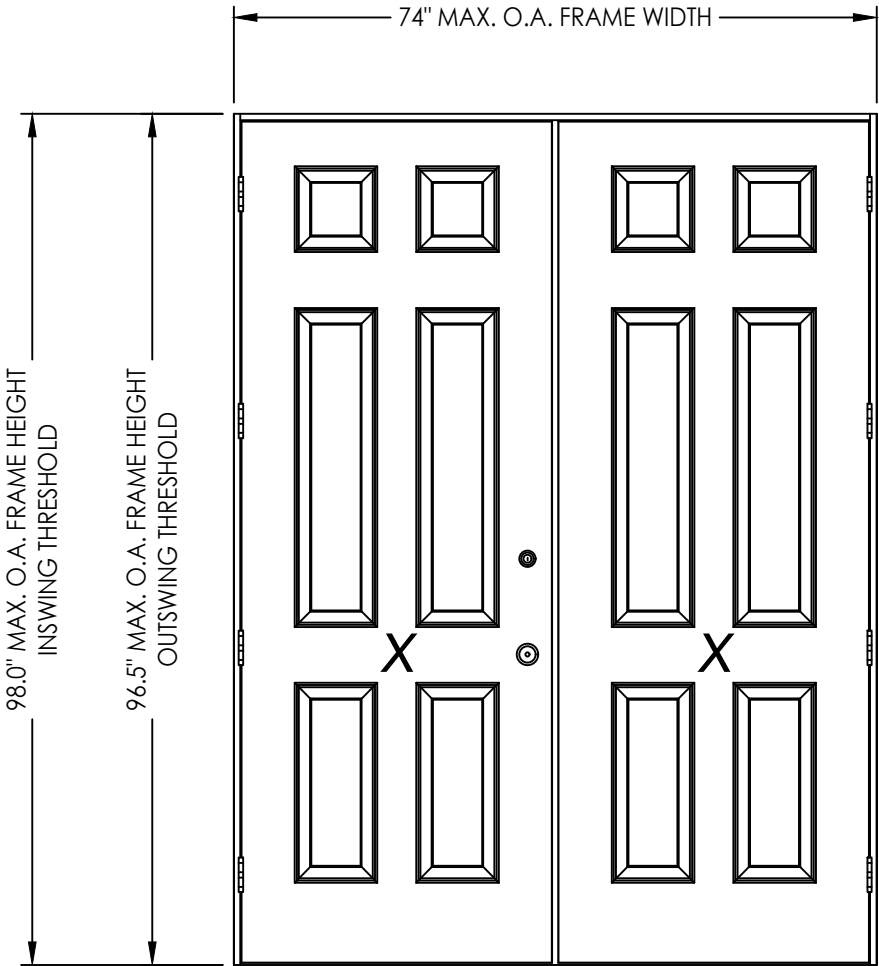
PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2023.07.18 17:32:41 -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 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

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:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

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

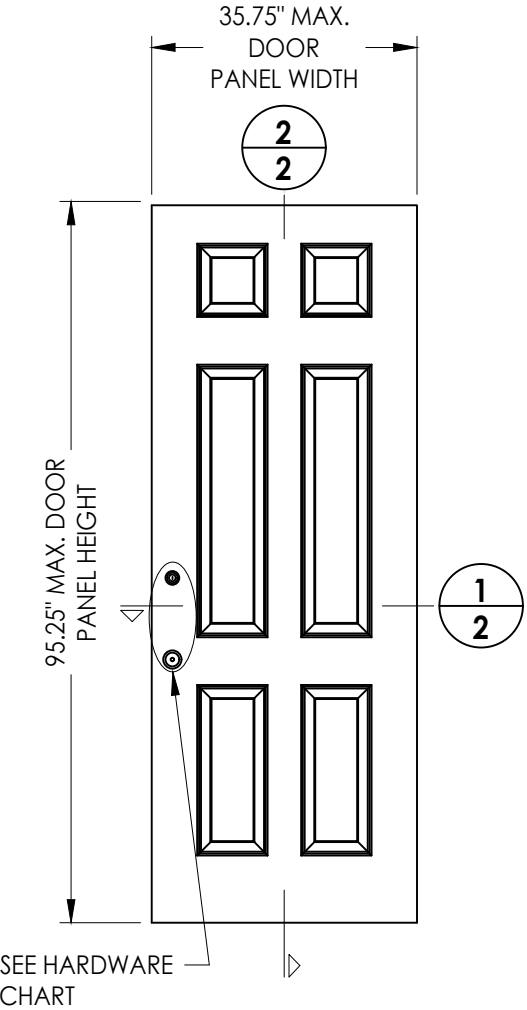
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DRAWING NO.: FL-8845.19

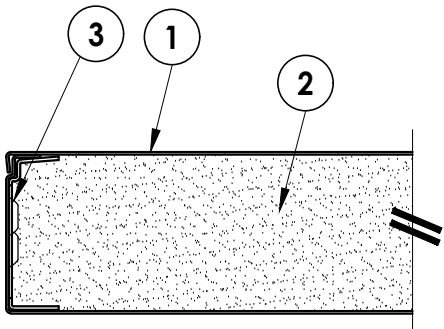
SHEET 1 OF 9

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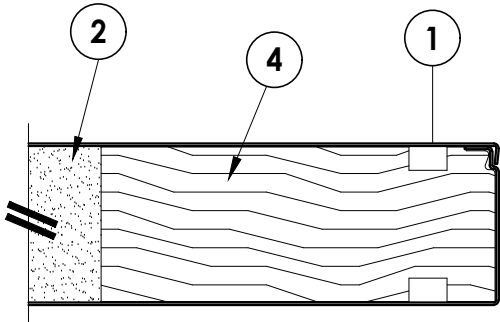
HARDWARE CHART		
MANUFACTURER	MODEL	
YALE	Knob:	NEW TRADITIONS
	Deadbolt:	NEW TRADITIONS (800 SERIES)
SCHLAGE	Knob/Lever:	"F" SERIES
	Deadbolt:	B60/62
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)



40 STEEL EDGE DOOR PANEL

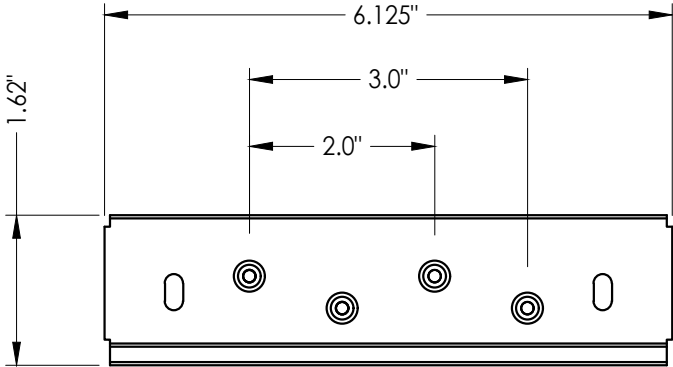


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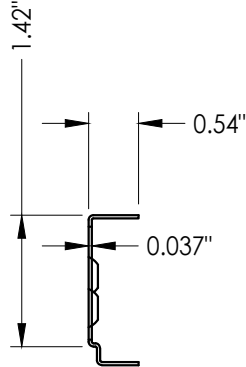


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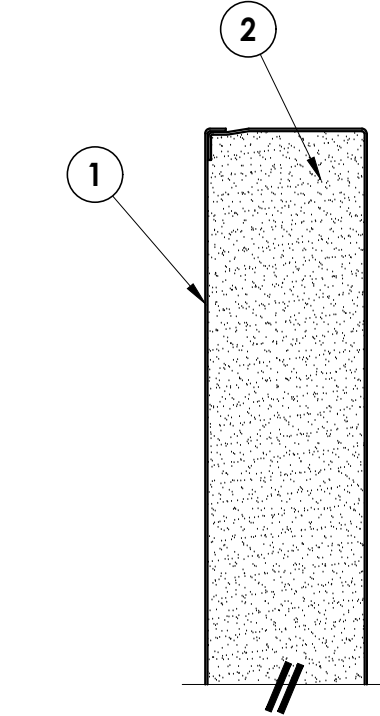
1 2 HORIZONTAL CROSS SECTION



3 HINGE REINFORCEMENT



4 LOCK BLOCK DETAIL

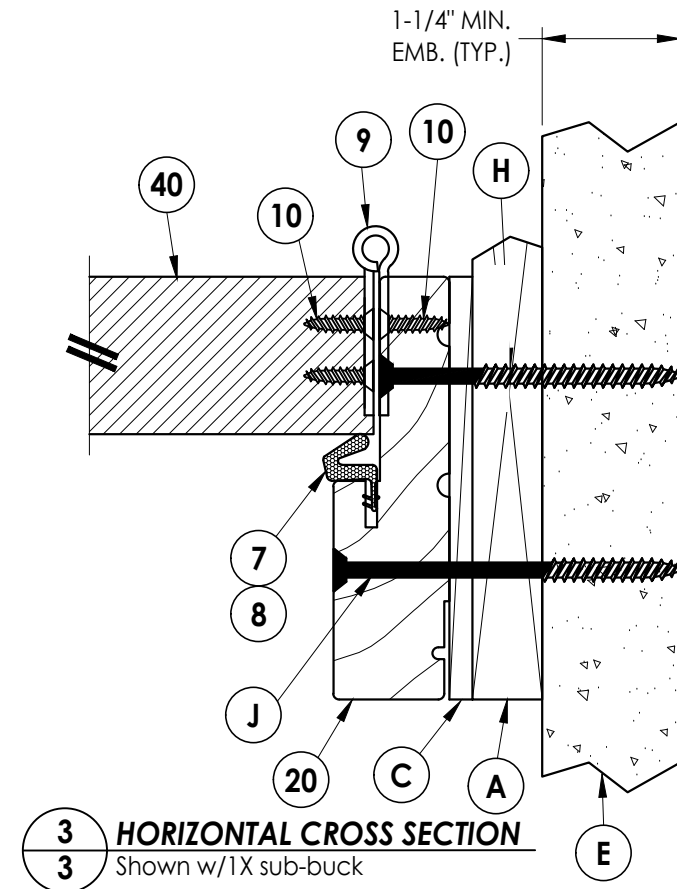
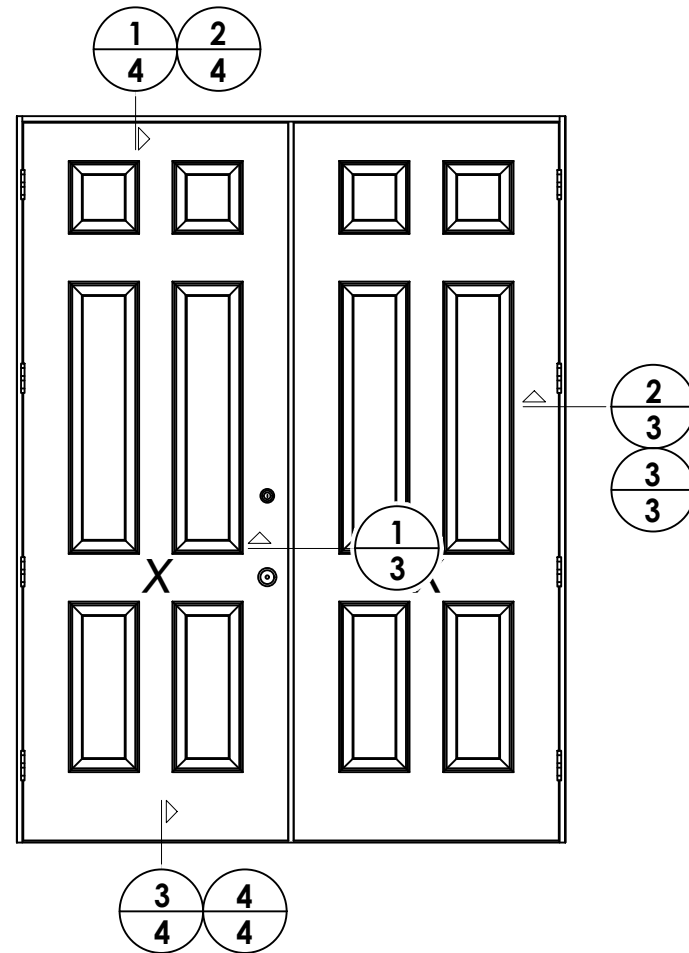


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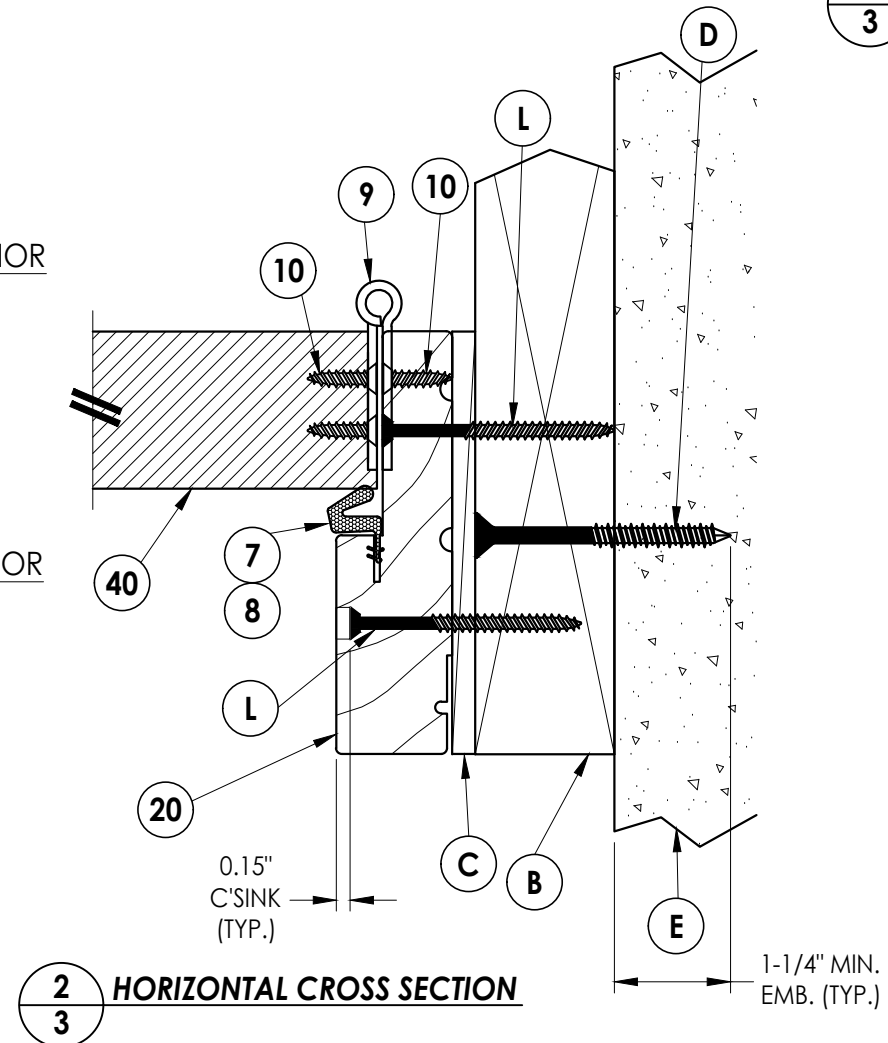
INTERIOR

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				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						
				REVISIONS			
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SCALE: N.T.S.							
DWG. BY: TL							
CHK. BY: LFS							
DRAWING NO.: FL-8845.19							
SHEET 2 OF 9							



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



2 HORIZONTAL CROSS SECTION

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
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1	1/10/12	UPDATE TO 2010 FBC		KV
NO.	DATE			BY
				REVISIONS

DATE: 06/04/07

SCALE: N.T.S.

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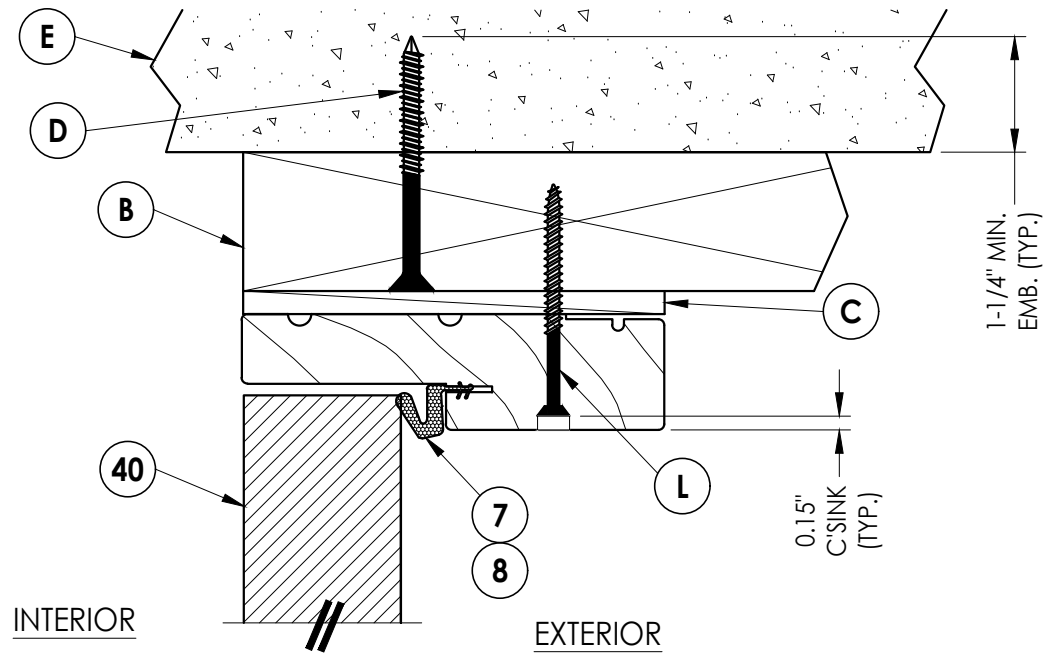
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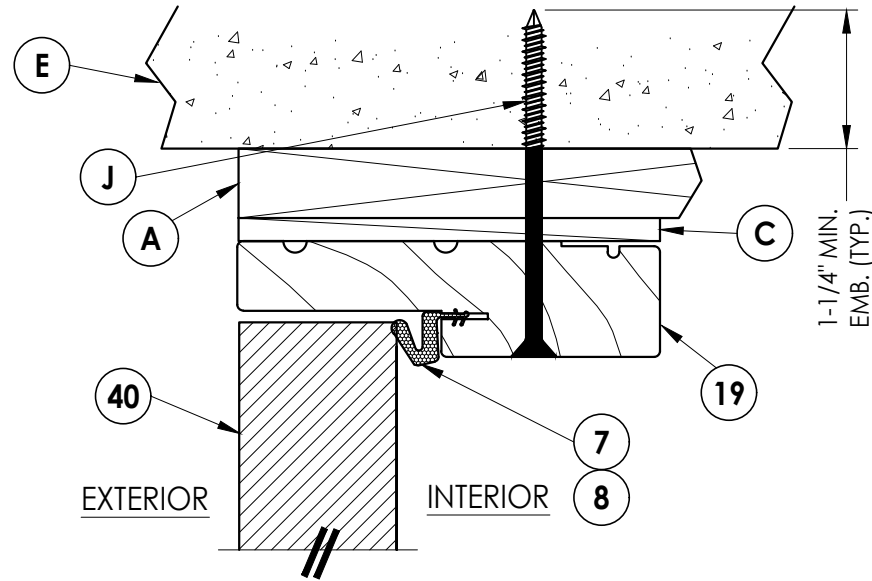
SHEET 3 OF 9

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

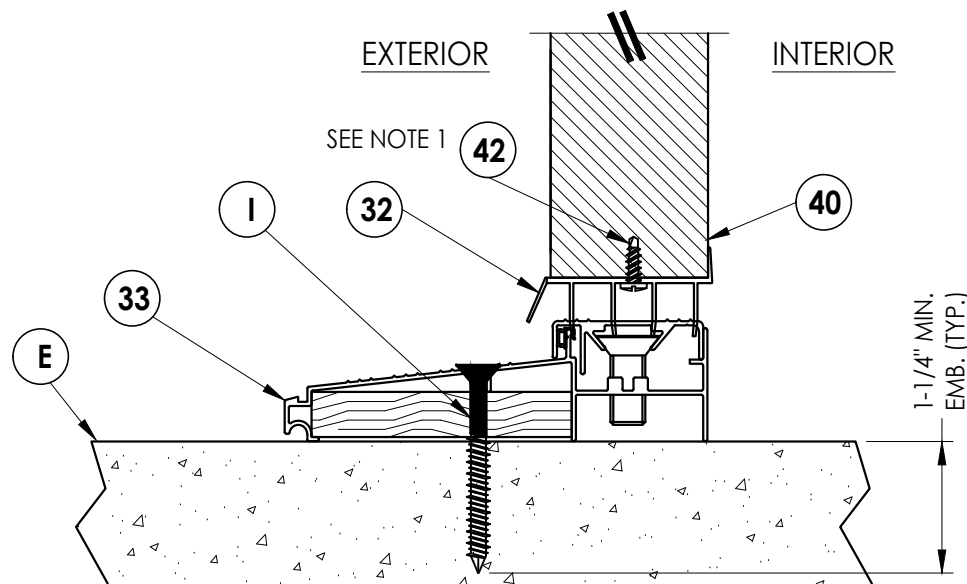
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Phone No.: 813.659.9197
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1
4 **VERTICAL CROSS SECTION**
Inswing configuration

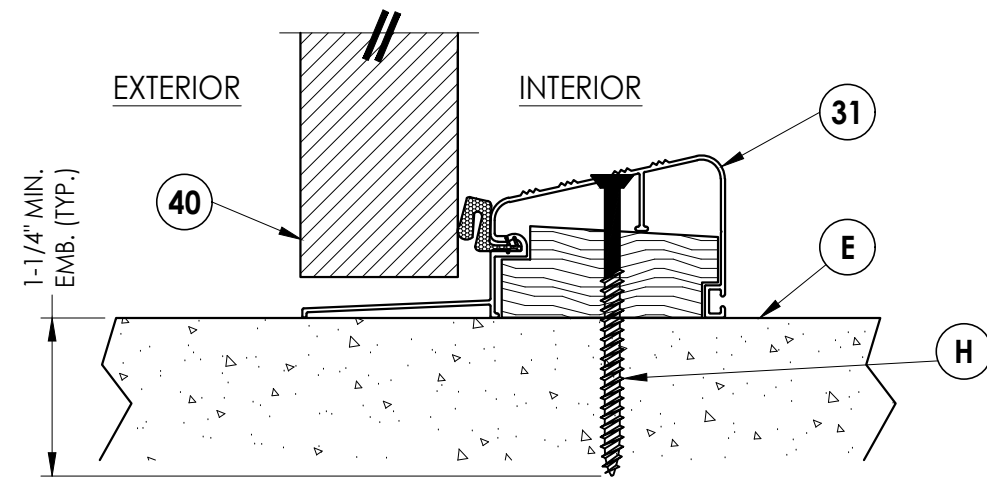


2
4 **VERTICAL CROSS SECTION**
Outswing shown w/1X sub-buck



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

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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
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-8845.19

SHEET 4 OF 9

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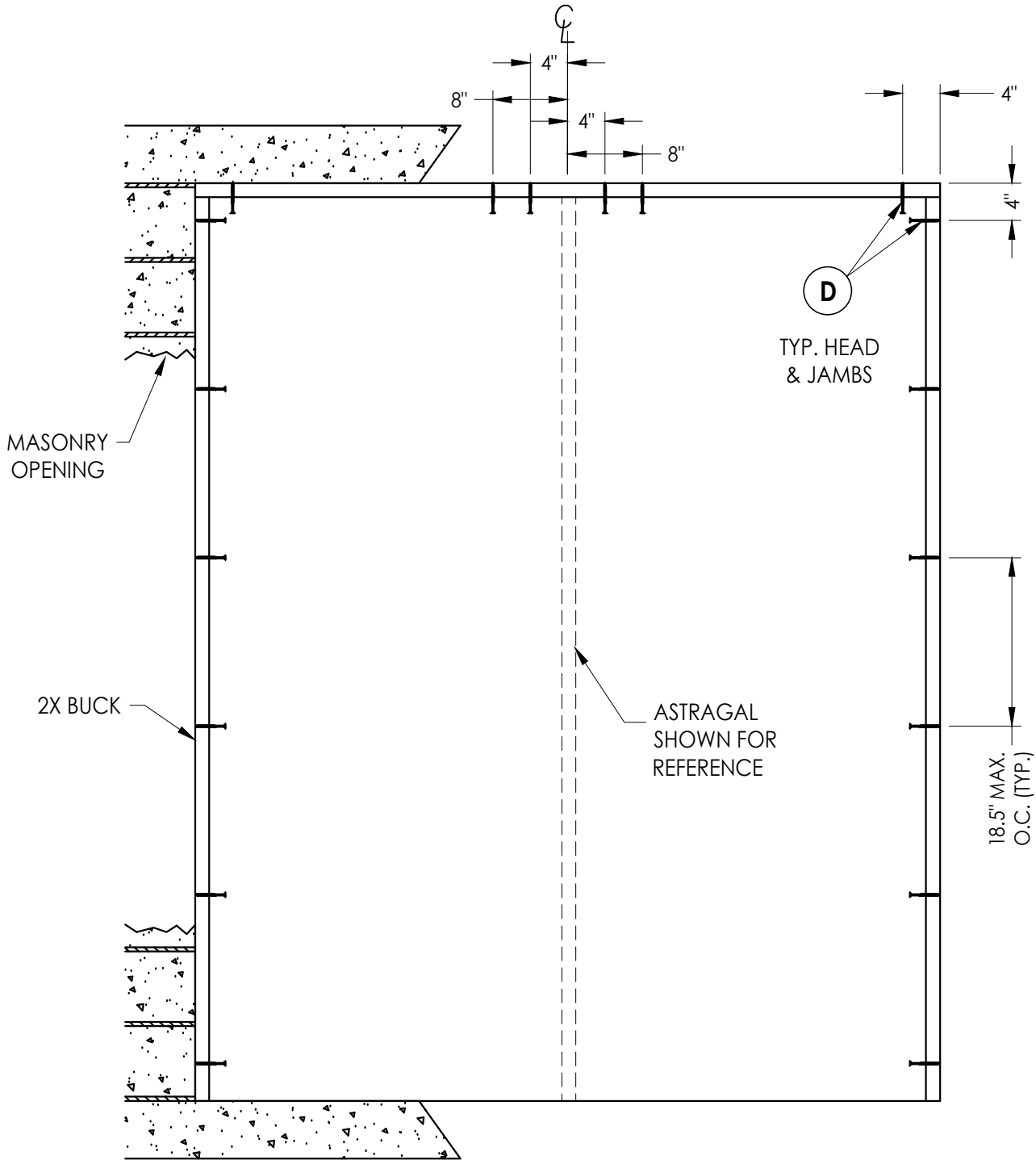
CONCRETE ANCHOR NOTES:

- 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:

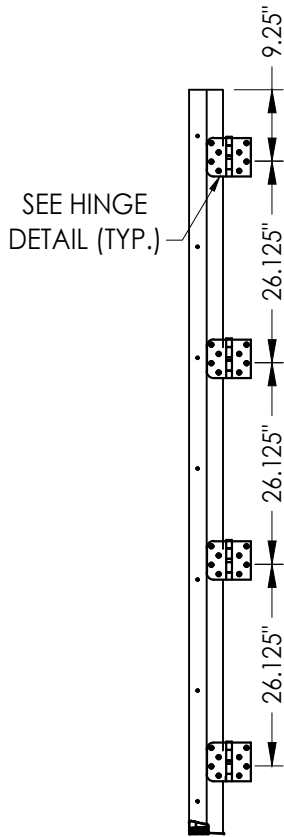
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



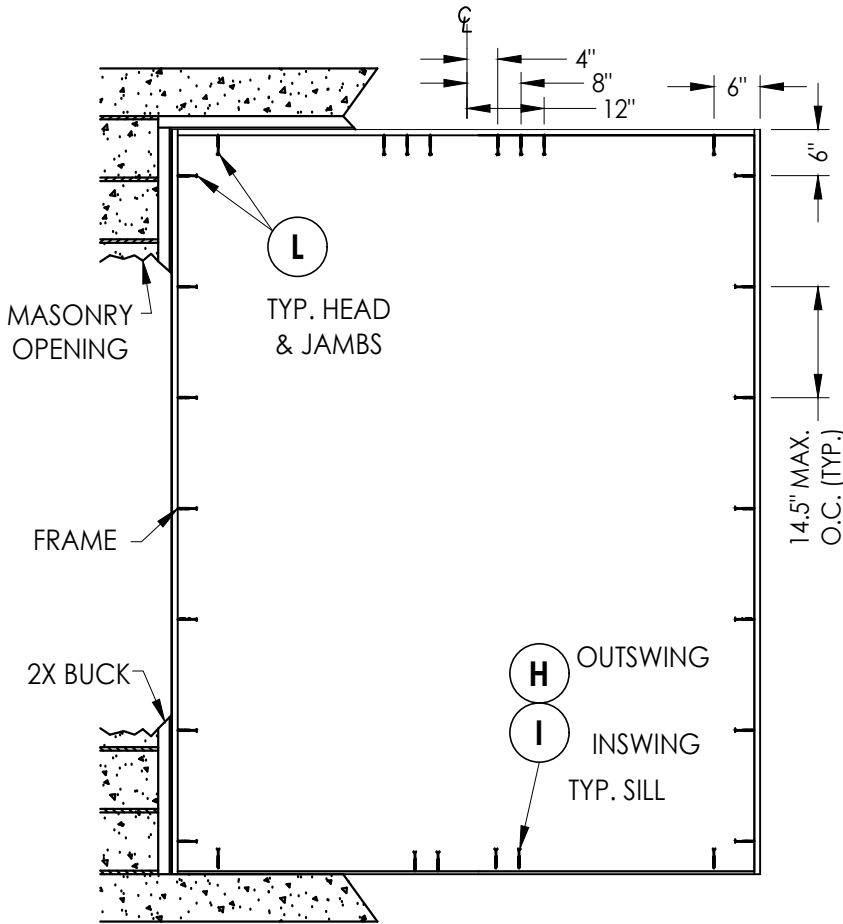
BUCK ANCHORING

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: BUCK ANCHORING	
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			
DRAWING NO.: FL-8845.19			
SHEET 5 OF 9			

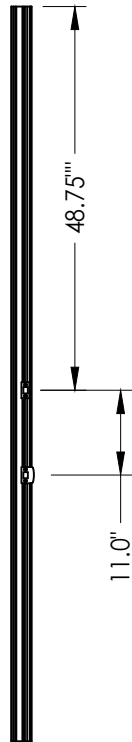
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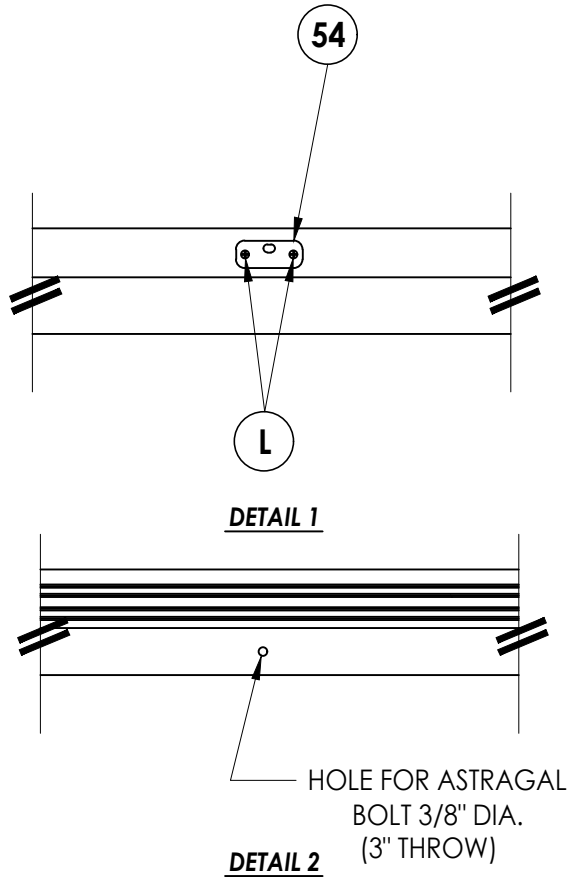
HINGE JAMB



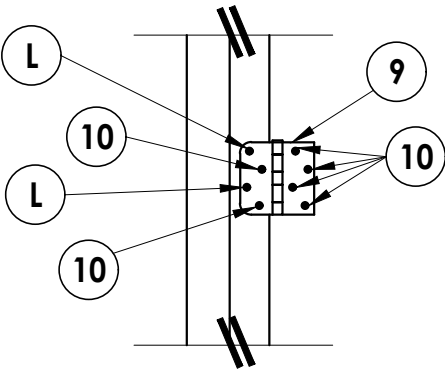
FRAME ANCHORING
Masonry 2X buck construction



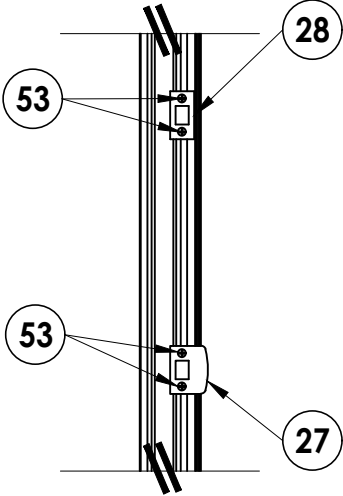
ASTRAGAL STRIKE



LATCH & DEADBOLT DETAIL



HINGE DETAIL



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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

RW

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 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

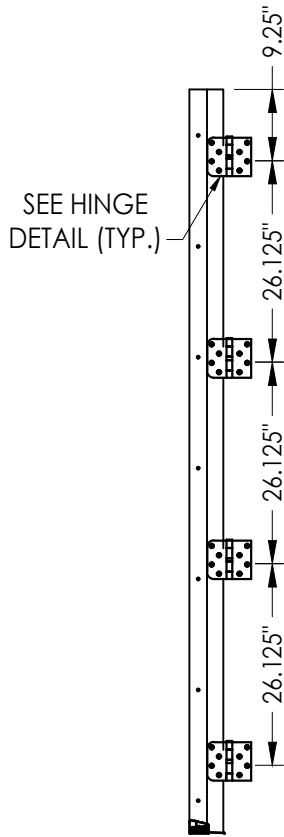
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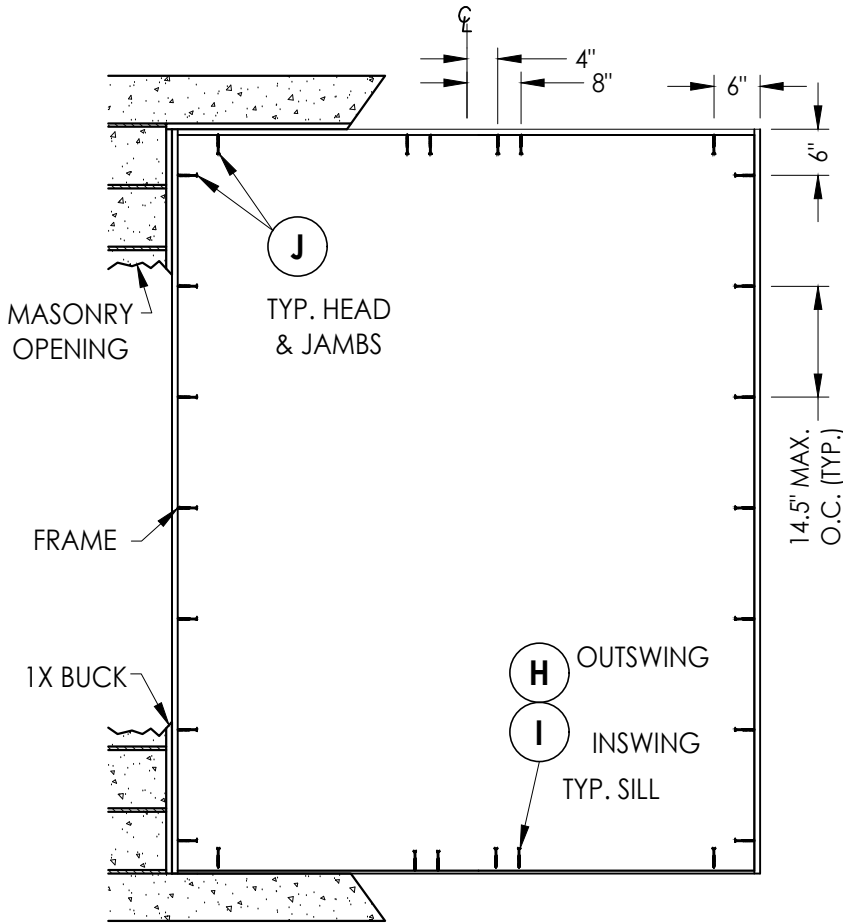
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SHEET 6 OF 9

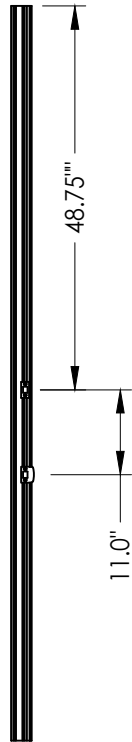
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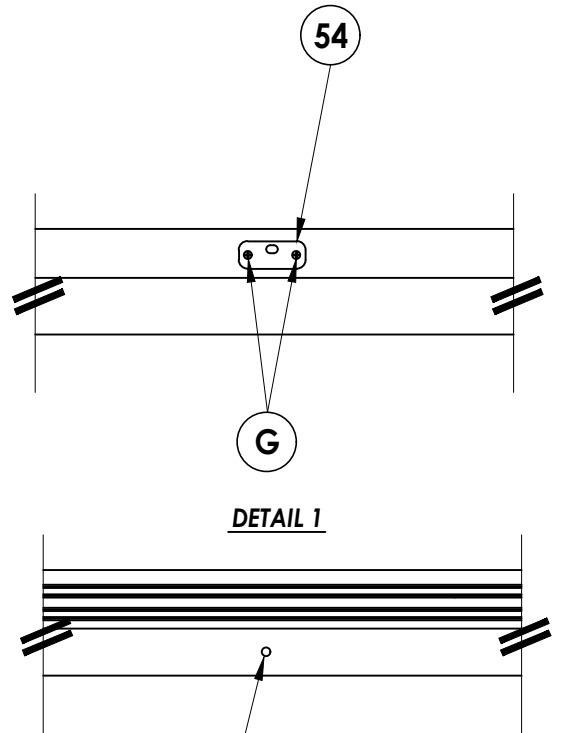
HINGE JAMB



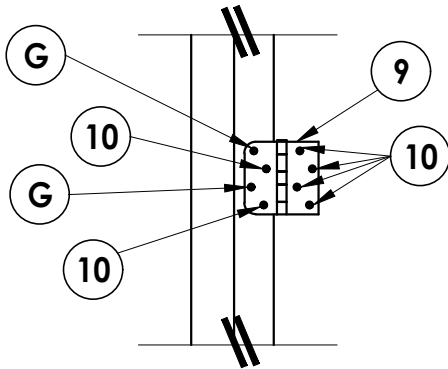
FRAME ANCHORING
Masonry 1X buck construction



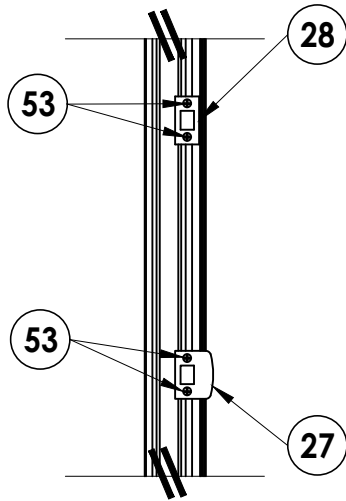
ASTRAGAL STRIKE



DETAIL 2



HINGE DETAIL



LATCH & DEADBOLT DETAIL
Astragal

CONCRETE ANCHOR NOTES:

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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.

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FBPE Registry No. 9813

PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

		7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5		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	REVISIONS			

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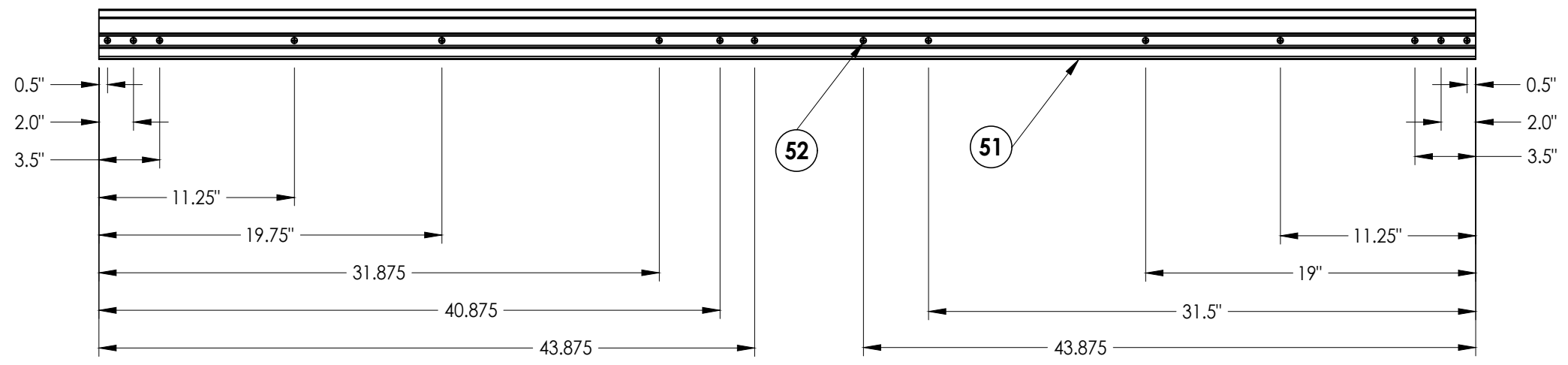
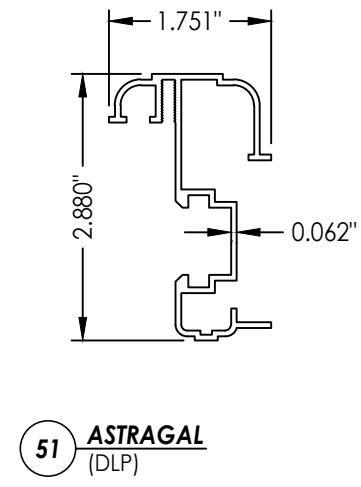
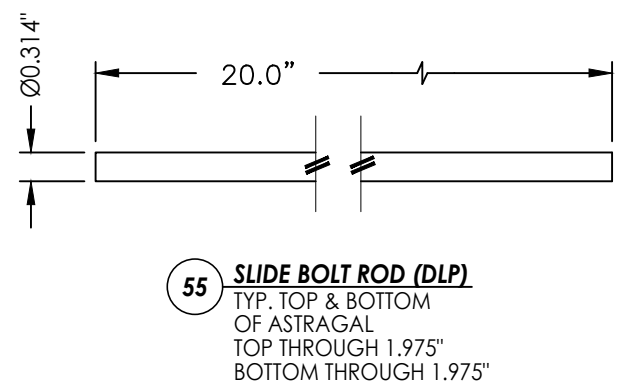
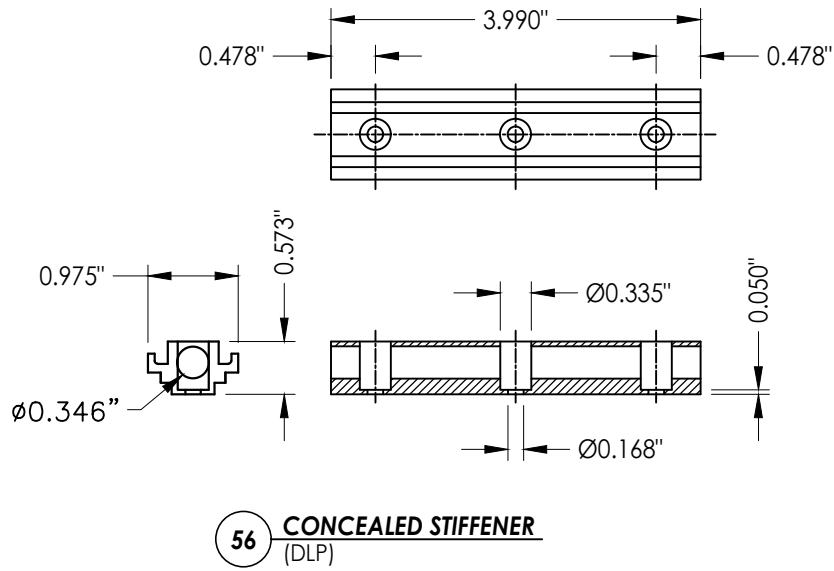
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CHK. BY: LFS

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SHEET 7 OF 9

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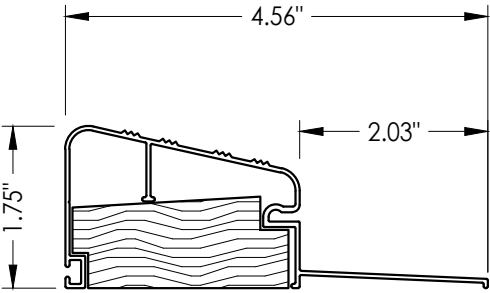


PRODUCT:		TAYLOR DOORS STEEL EDGE DOOR		PART OR ASSEMBLY:		ASTRAGAL DETAILS	
DOCUMENTS PREPARED BY:		Lynndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		R ^W	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	NO.	DATE	REVISIONS
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS	1		
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK	2		
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK	3		
1	1/10/12	UPDATE TO 2010 FBC	FBC	KV	4		
				BY			

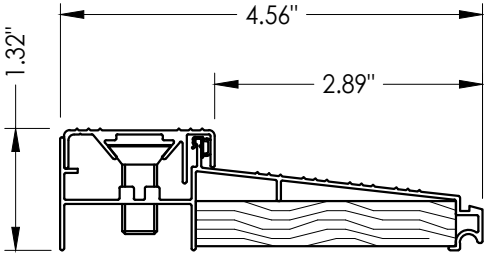
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DRAWING NO.:	FL-8845.19
SHEET	8 OF 9

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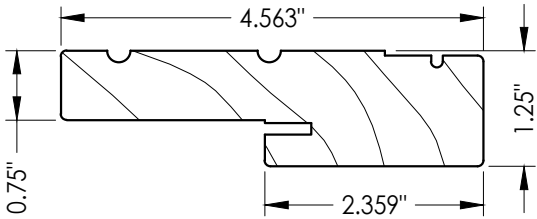
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" 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
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" PPH SCREW	STEEL
54	ASTRAGAL STRIKE PLATE @ HEAD	STEEL
55	SLIDE BOLT ROD	STEEL
56	CONCEALED STIFFENER 6063-T6 ALUMINUM BY DLP	ALUMINUM



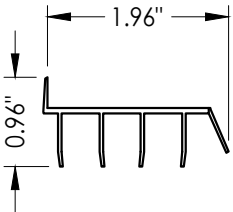
31 **OUTSWING**
Threshold by DLP



33 **INSWING**
Threshold



19 20 **HEAD & SIDE**
Jamb



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	UPDATE TO 2010 FBC	FBC
NO.		DATE	
REVISIONS			
DATE: 06/04/07			
SCALE: N.T.S.			
DWG. BY: TL			
CHK. BY: LFS			
DRAWING NO.: FL-8845.19			
SHEET 9 OF 9			