



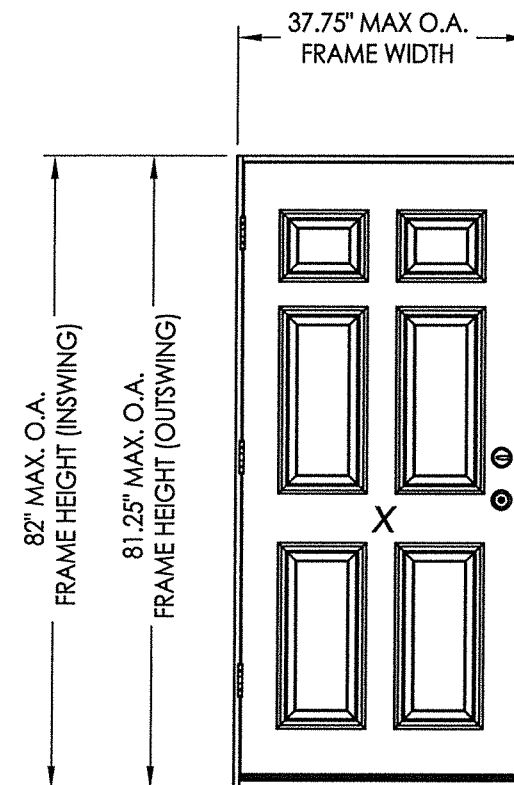
Fiber-Classic® & Smooth-Star®

**COMPOSITE EDGE
OPAQUE FIBERGLASS SINGLE DOOR
INSWING/OUTSWING
"NON-IMPACT"**

GENERAL NOTES

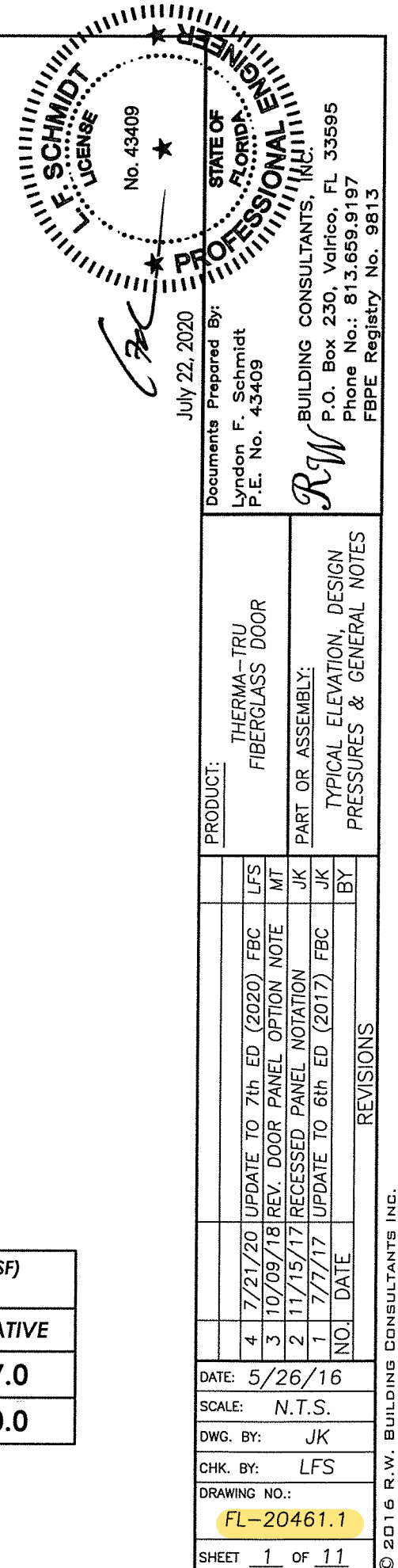
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
5. Fiber-Classic & Smooth-Star Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Elevations
4	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Hardware Details
10	Components
11	Bill of Materials

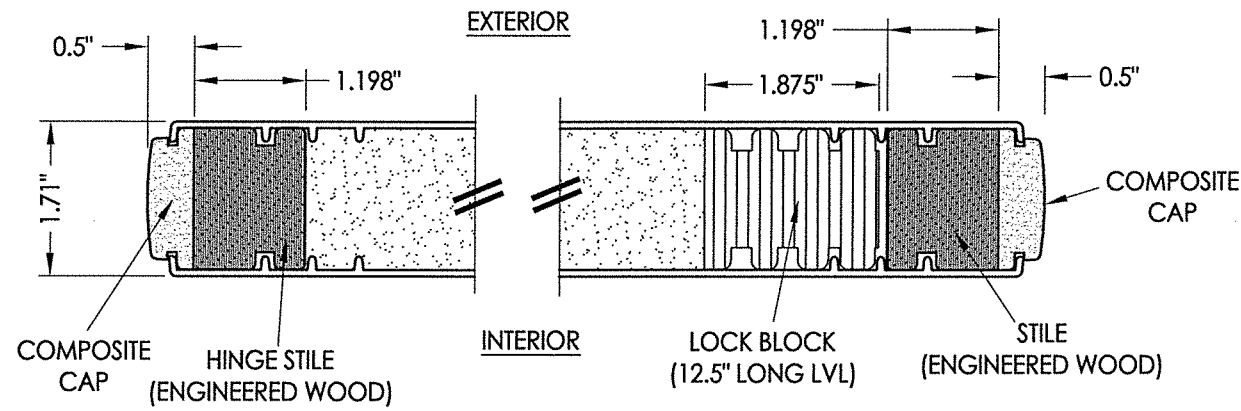


CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Latch & Deadbolt	+70.0	-75.0	+67.0	-67.0
X	Multipoint	+80.0	-80.0	+80.0	-80.0

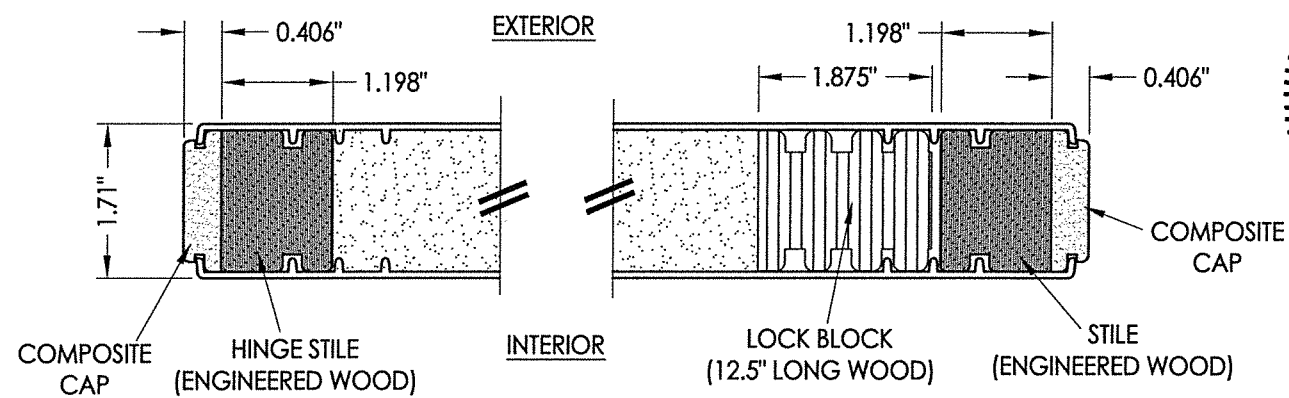
See Sheet 3 for Hardware Specifications



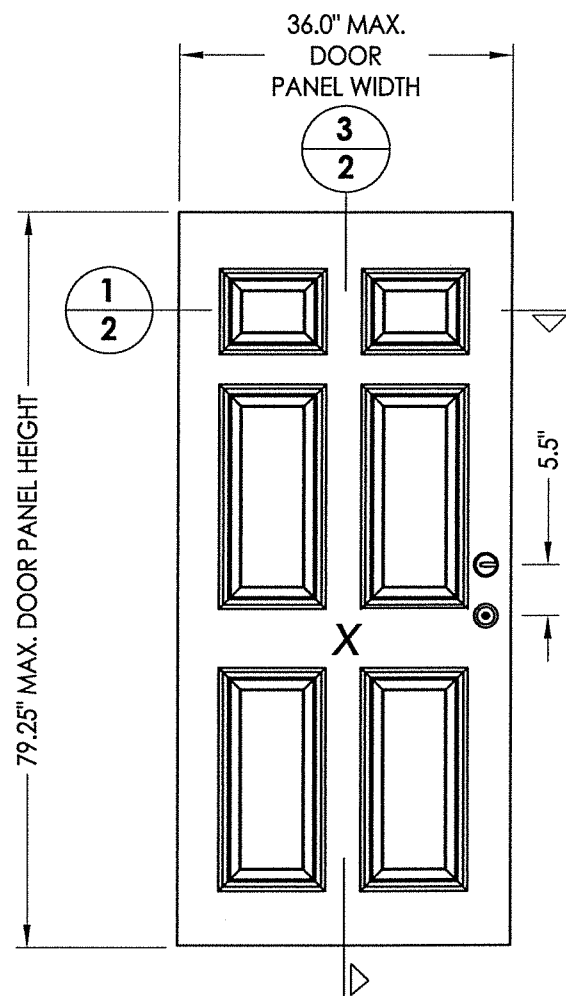
R:\Clients\Therma Tru PERMANENTVA - Florida Product Approvals\FL-20461 Structural TT SS\C - Drawings\FL 20461 (2020)\FL-20461.1-5.dwg, 2.1



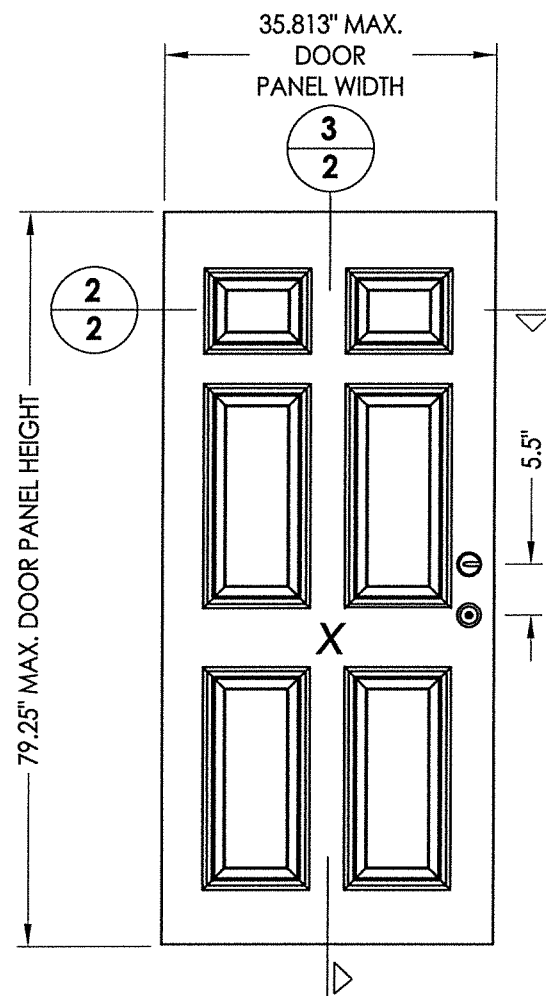
1
2 HORIZONTAL CROSS SECTION



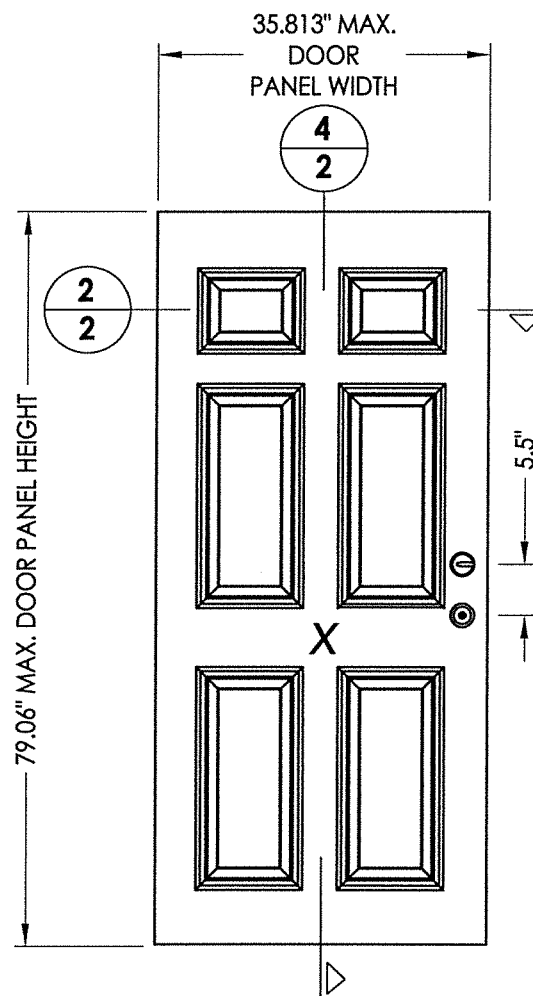
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2 HORIZONTAL CROSS SECTION



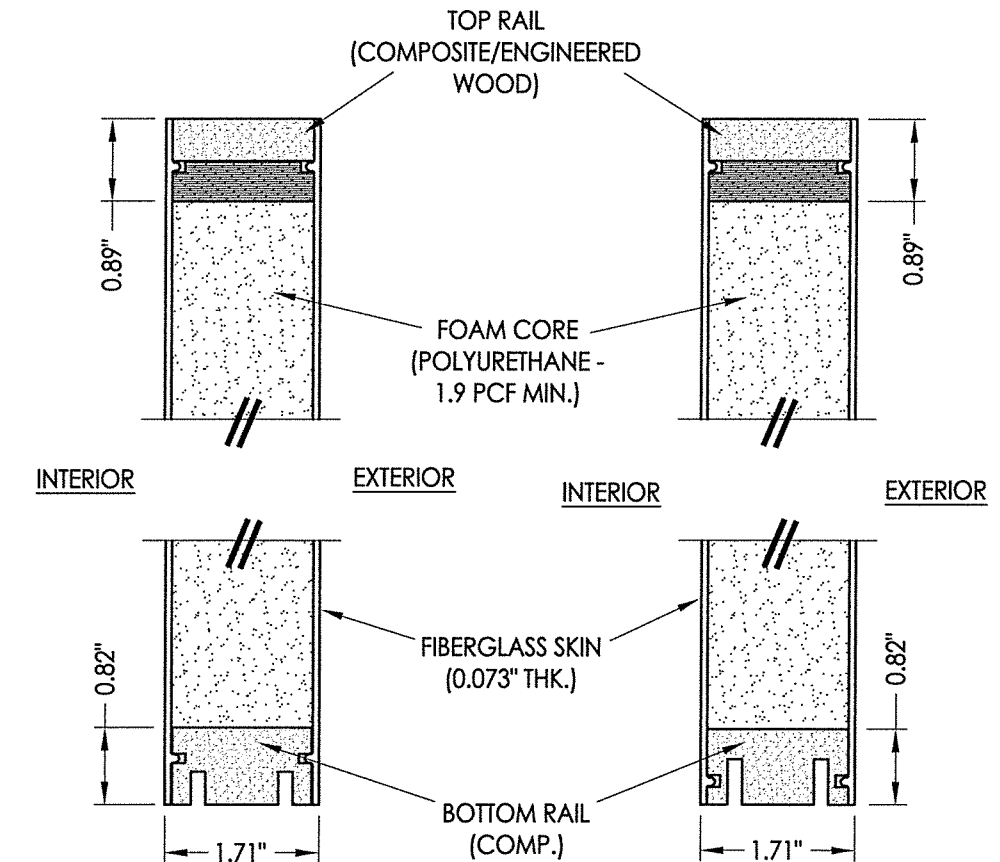
40 DOOR PANEL
BOOK



41 DOOR PANEL
Hybrid Door

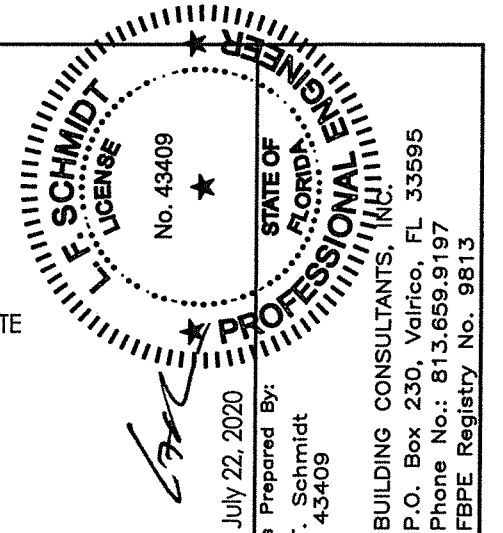


42 DOOR PANEL
U1 Door



3
2 VERTICAL CROSS SECTION

4
2 VERTICAL CROSS SECTION



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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

NO.	DATE	REVISIONS
4	7/21/20	UPDATE TO 7th ED (2020) FBC
3	10/09/18	REV. DOOR PANEL OPTION NOTE
2	11/15/17	RECESSED PANEL NOTATION
1	7/7/17	UPDATE TO 6th ED (2017) FBC
NO.	DATE	

DATE: 5/26/16

SCALE: N.T.S.

DWG. BY: JK

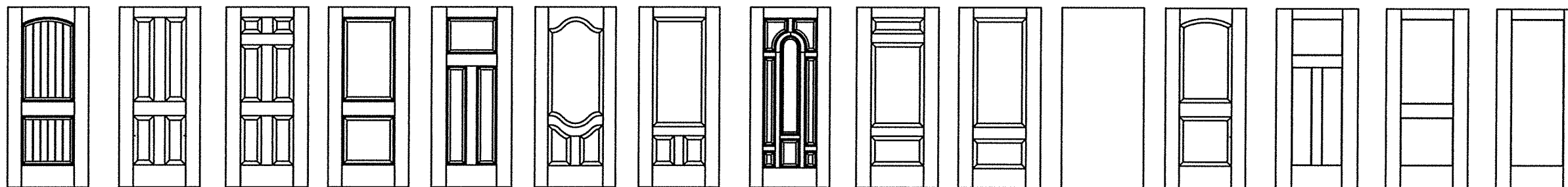
CHK. BY: LFS

DRAWING NO.: FL-20461.1

SHEET 2 OF 11

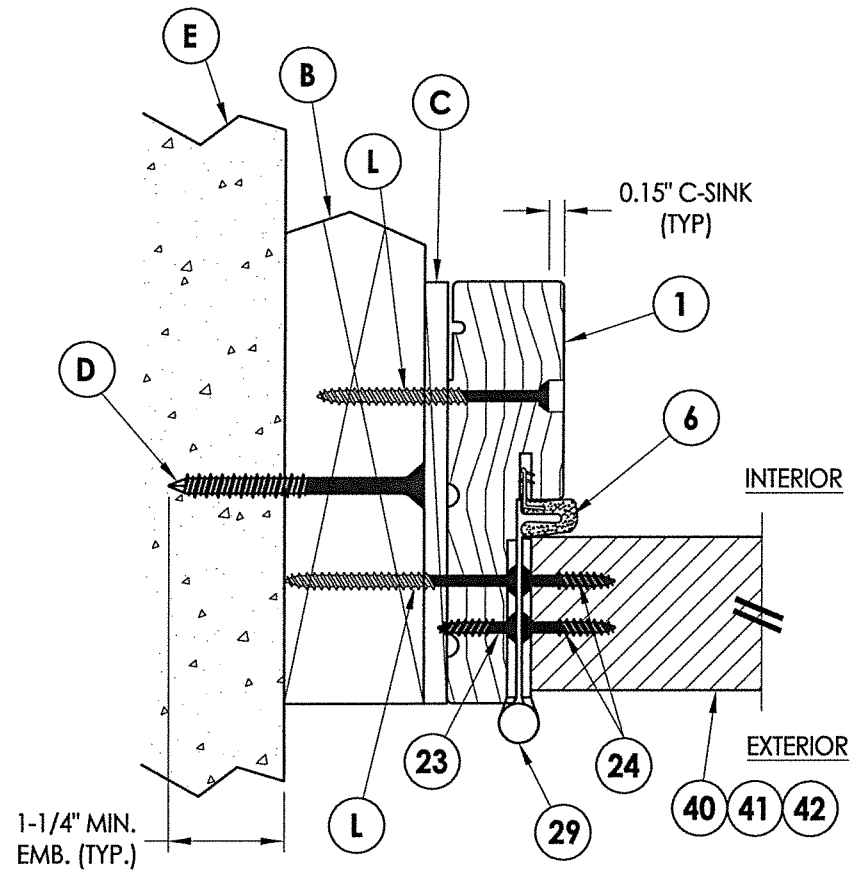
PART OR ASSEMBLY:
DOOR PANEL DETAILS

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)

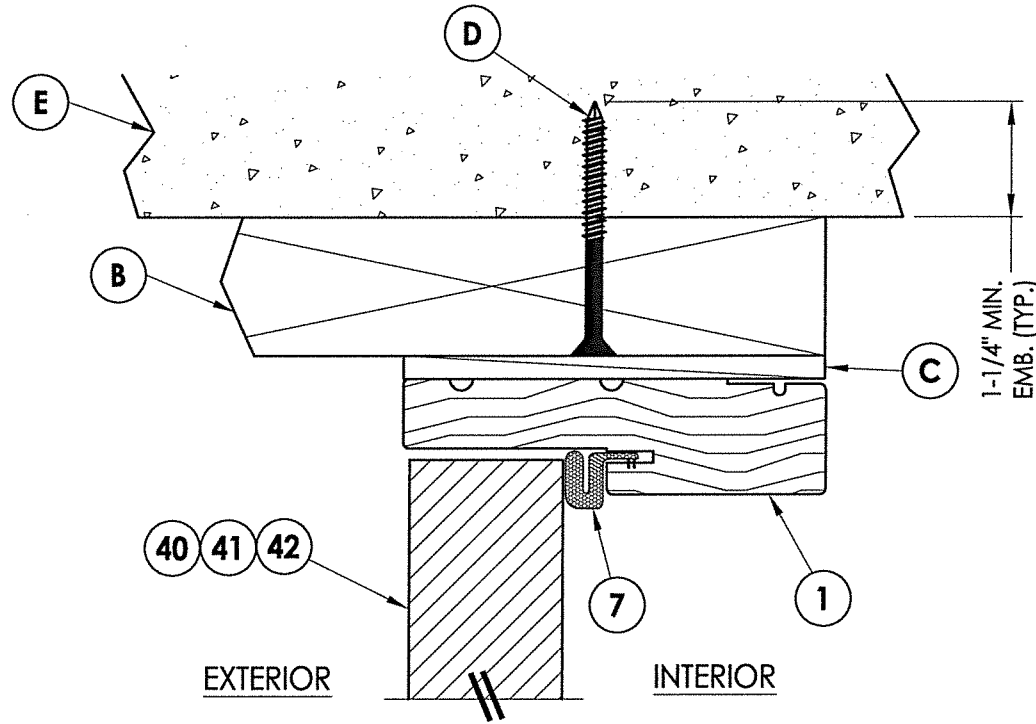


Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

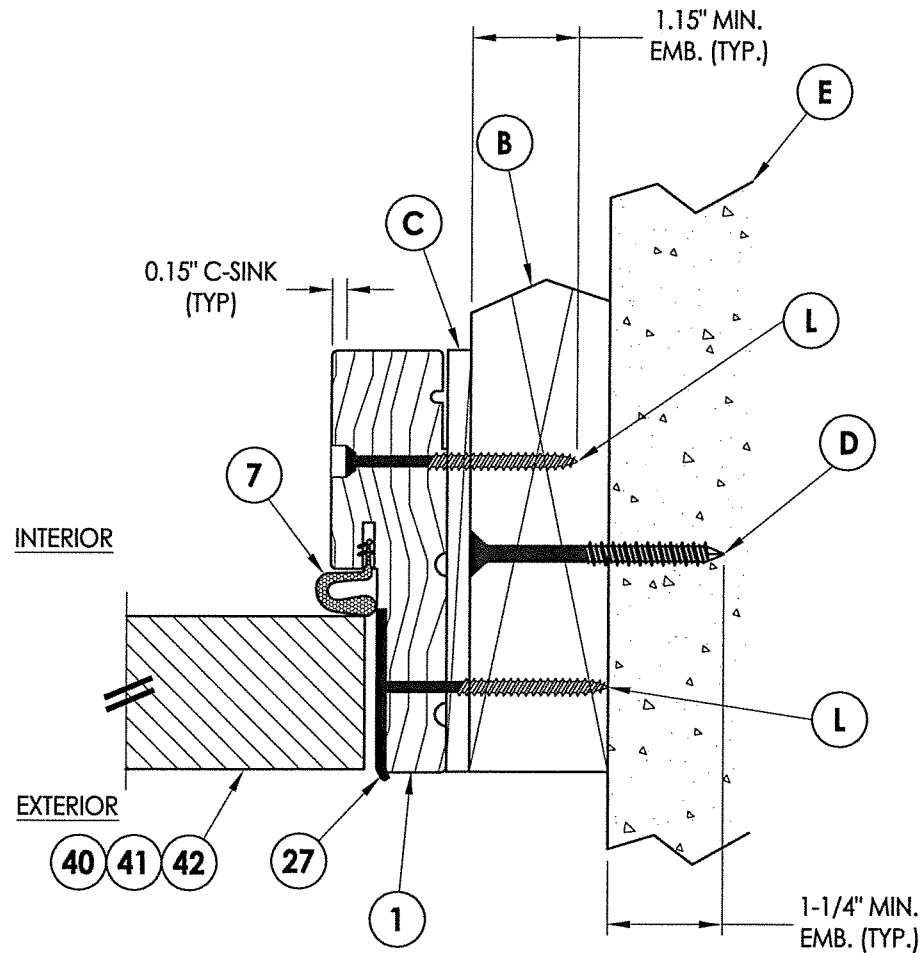
		July 22, 2020 <i>LFS</i>	
		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
		STATE OF FLORIDA PROFESSIONAL ENGINEER	
		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
		<i>RW</i>	
		ELEVATIONS	
		REVISIONS	
NO.	DATE	DESCRIPTION	BY
4	7/21/20	UPDATE TO 7th ED (2020) FBC	LFS
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT
2	11/15/17	RECESSED PANEL NOTATION	JK
1	7/7/17	UPDATE TO 6th ED (2017) FBC	JK
		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
		PART OR ASSEMBLY: ELEVATIONS	
		DRAWING NO.: FL-20461.1	
		SHEET 3 OF 11	



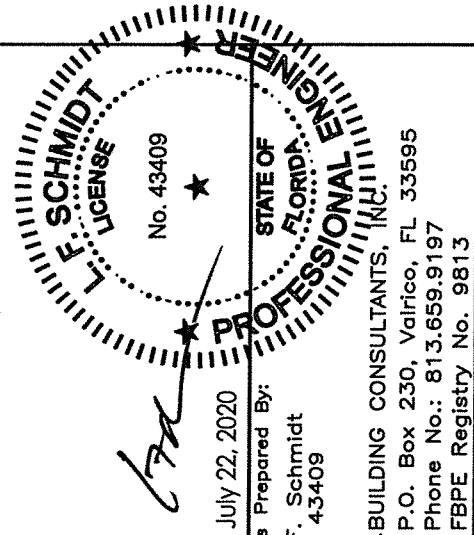
2 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



1 VERTICAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



3 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

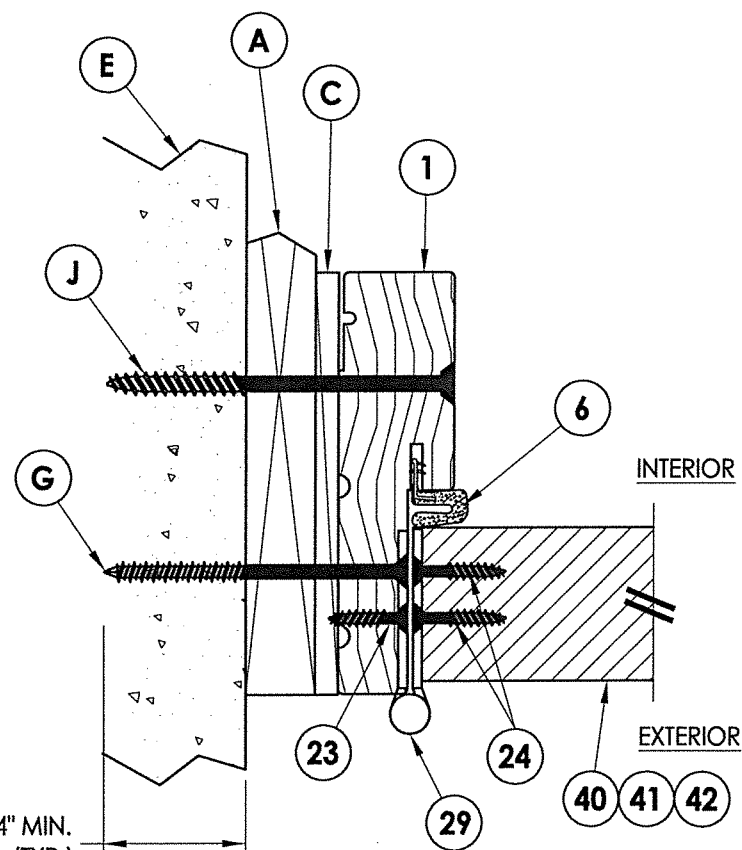


July 22, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

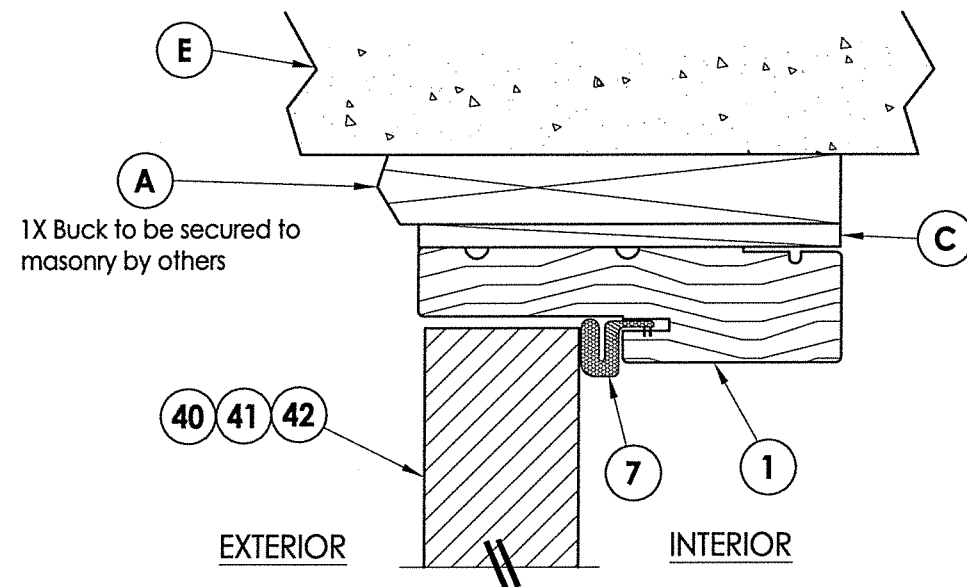
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
4	7/21/20	UPDATE TO 7th ED (2020) FBC
3	10/09/18	REV. DOOR PANEL OPTION NOTE
2	11/15/17	RECESSED PANEL NOTATION
1	7/7/17	UPDATE TO 6th ED (2017) FBC

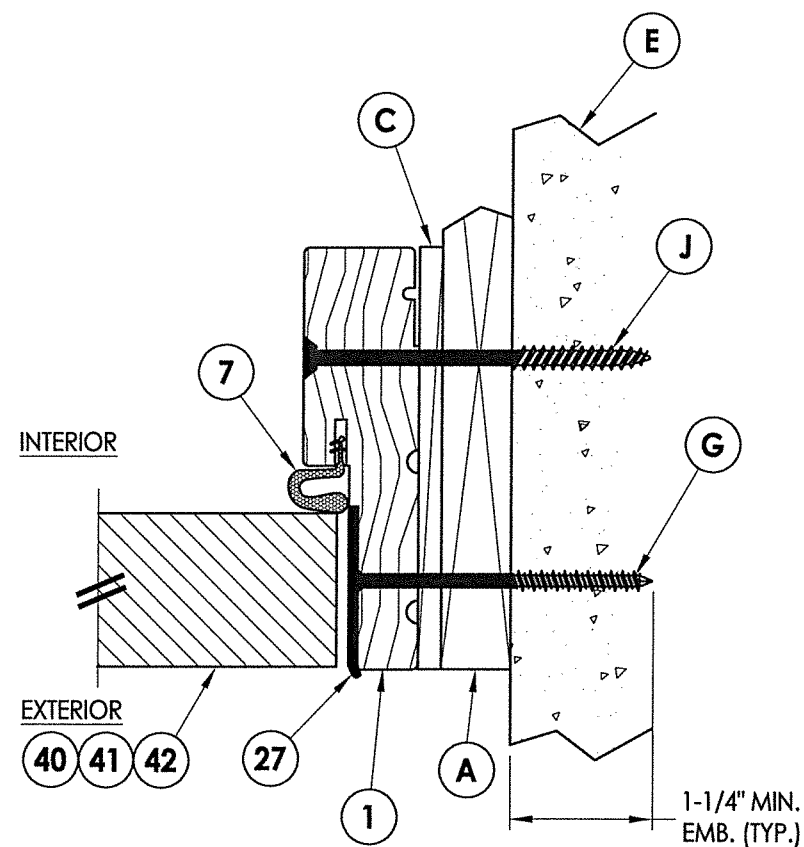
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20461.1
SHEET 4 OF 11



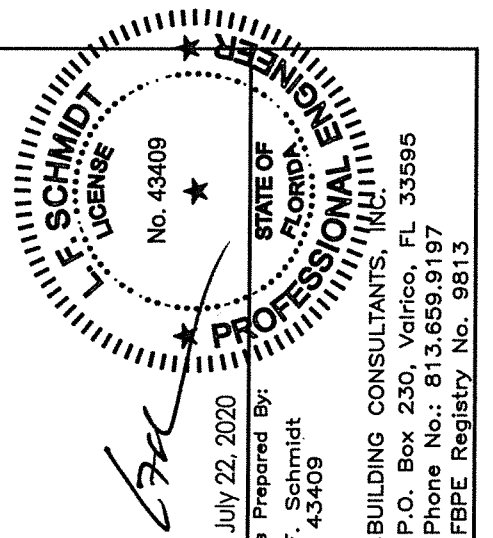
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



1 **VERTICAL CROSS SECTION**
5 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



3 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



July 22, 2020

Documents Prepared By:

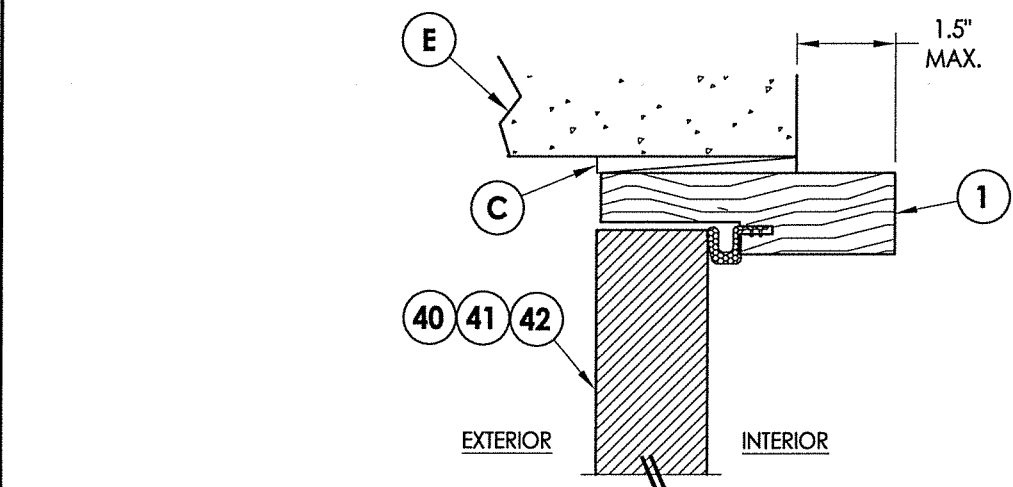
Lyndon F. Schm
P.E. No. 43409

RW

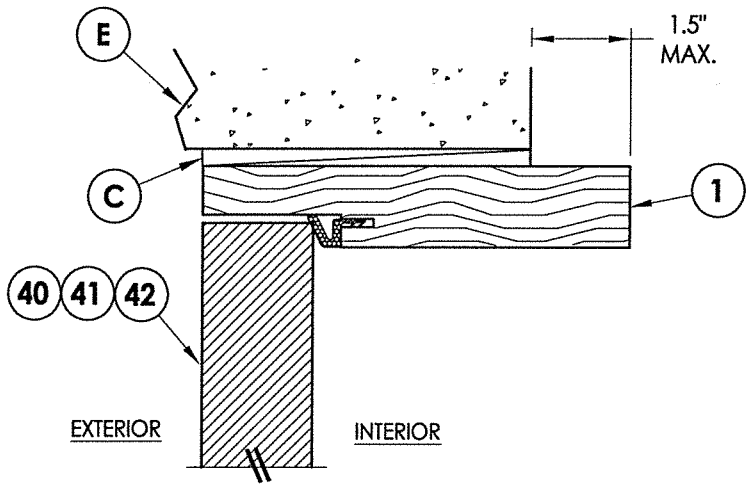
CONCRETE BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197

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DATE: 5/26/16		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)		
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20461.1			
SHEET 5 OF 11			

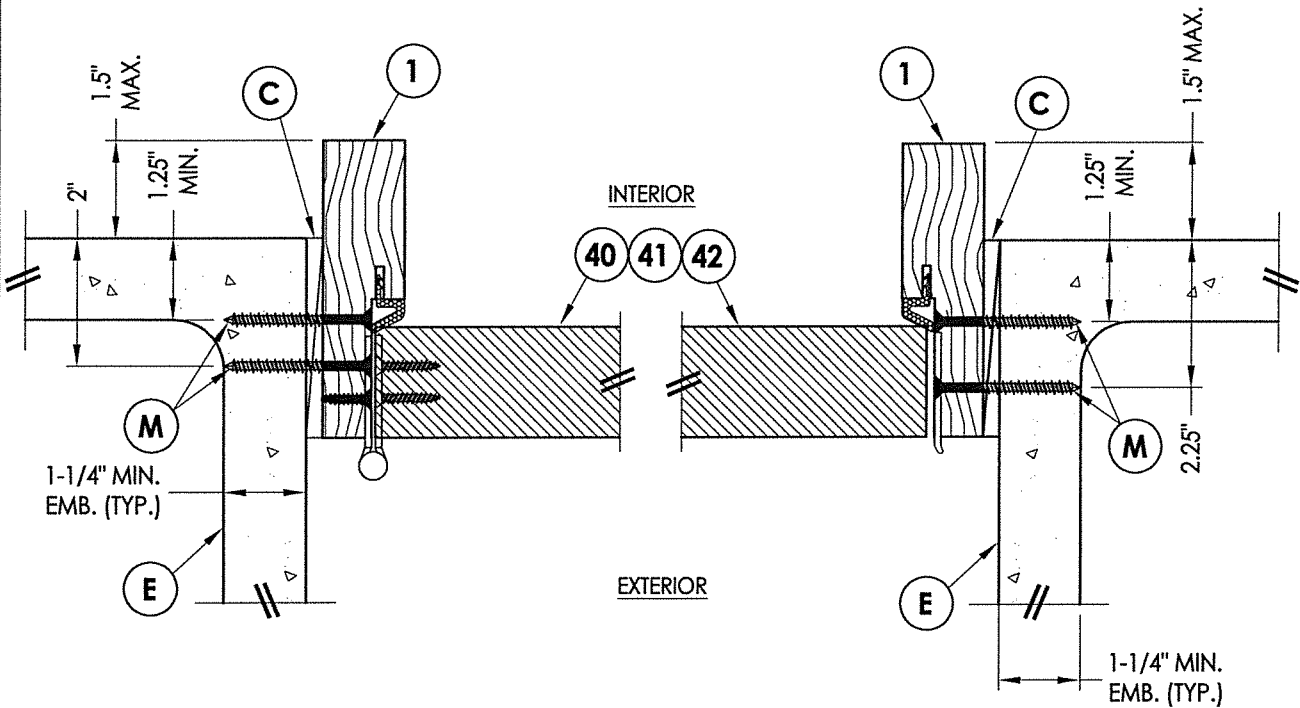


1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



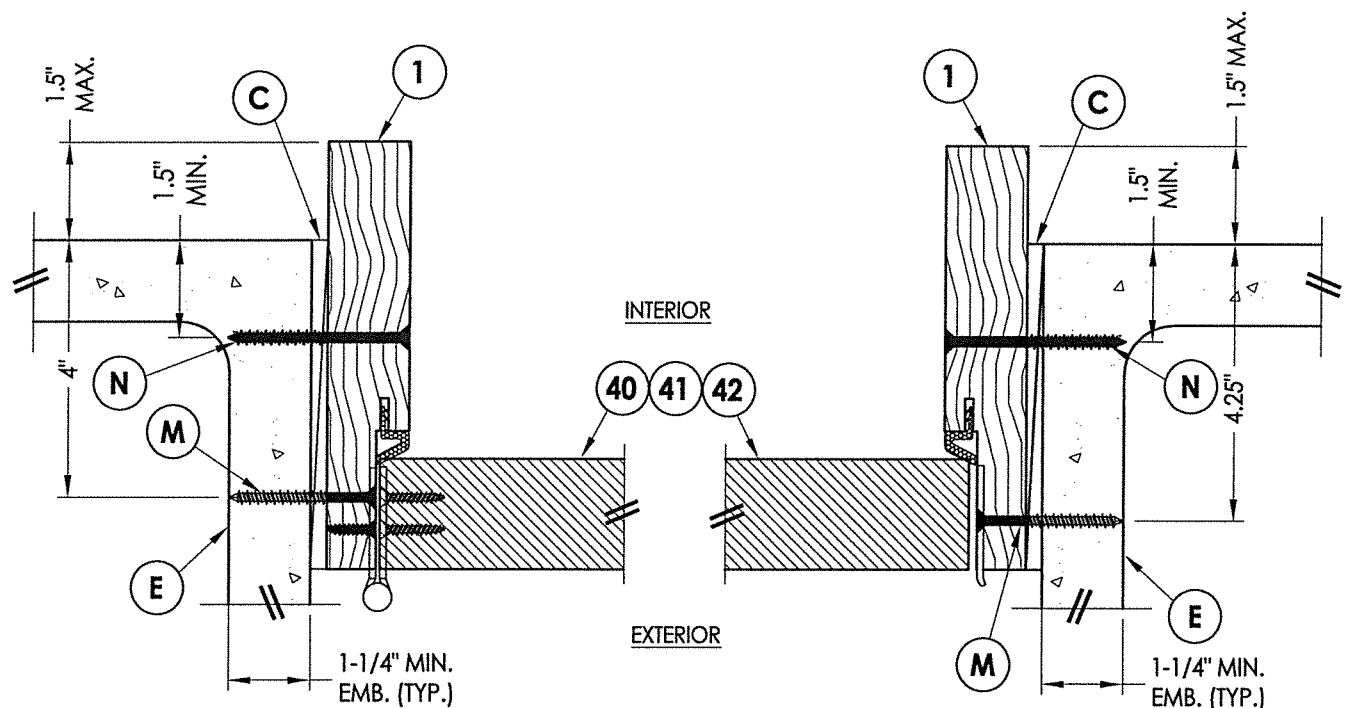
4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
w/ STANDARD STRIKE = ± 55 PSF
w/ SECURITY STRIKE = ± 65 PSF



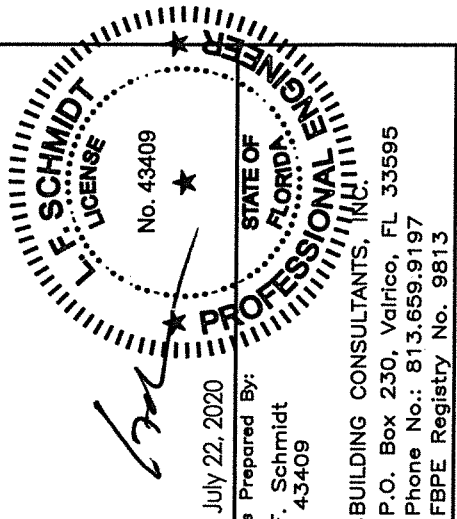
2
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

3
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



5
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

6
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



July 22, 2020
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
4	7/21/20	UPDATE TO 7th ED (2020) FBC
3	10/09/18	REV. DOOR PANEL OPTION NOTE
2	11/15/17	RECESSED PANEL NOTATION
1	7/7/17	UPDATE TO 6th ED (2017) FBC

DATE: 5/26/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-20461.1
SHEET 6 OF 11

1. Sill Item #'s 17, 18, 32, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 16 & 33 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.



July 22, 2020

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: THERMA-TRU
FIBERGLASS DOOR

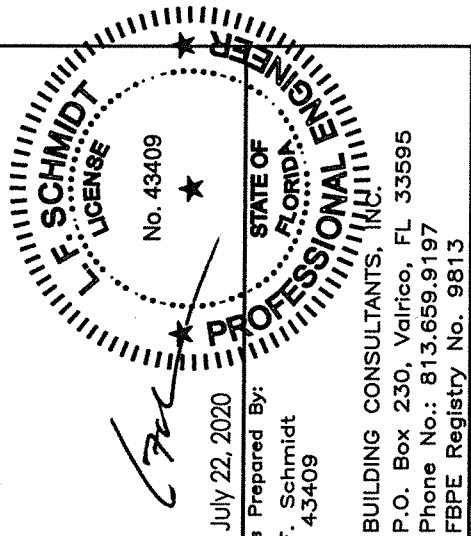
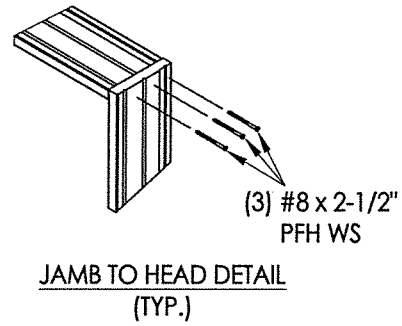
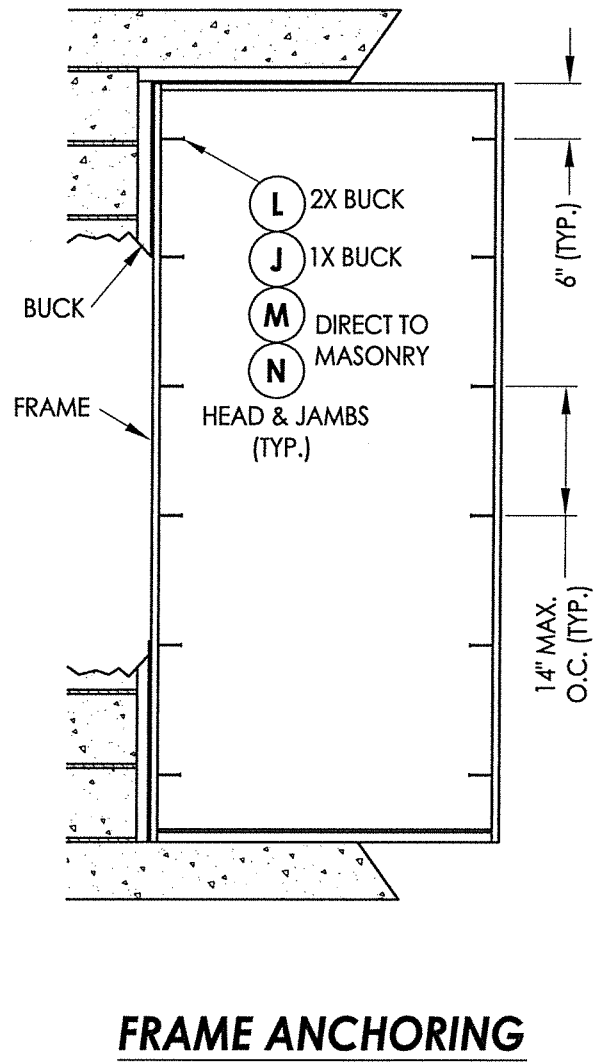
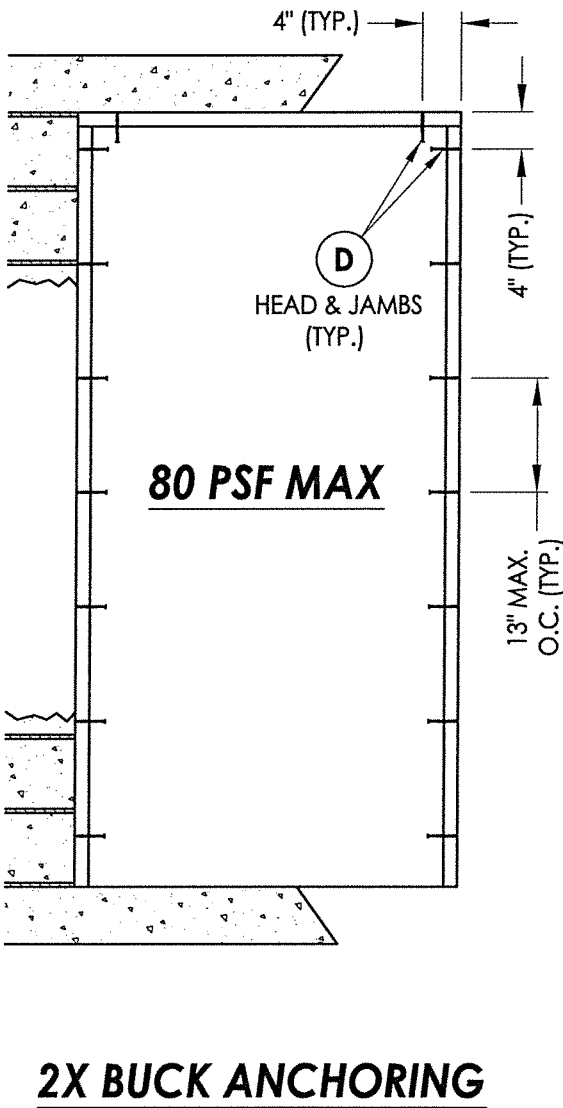
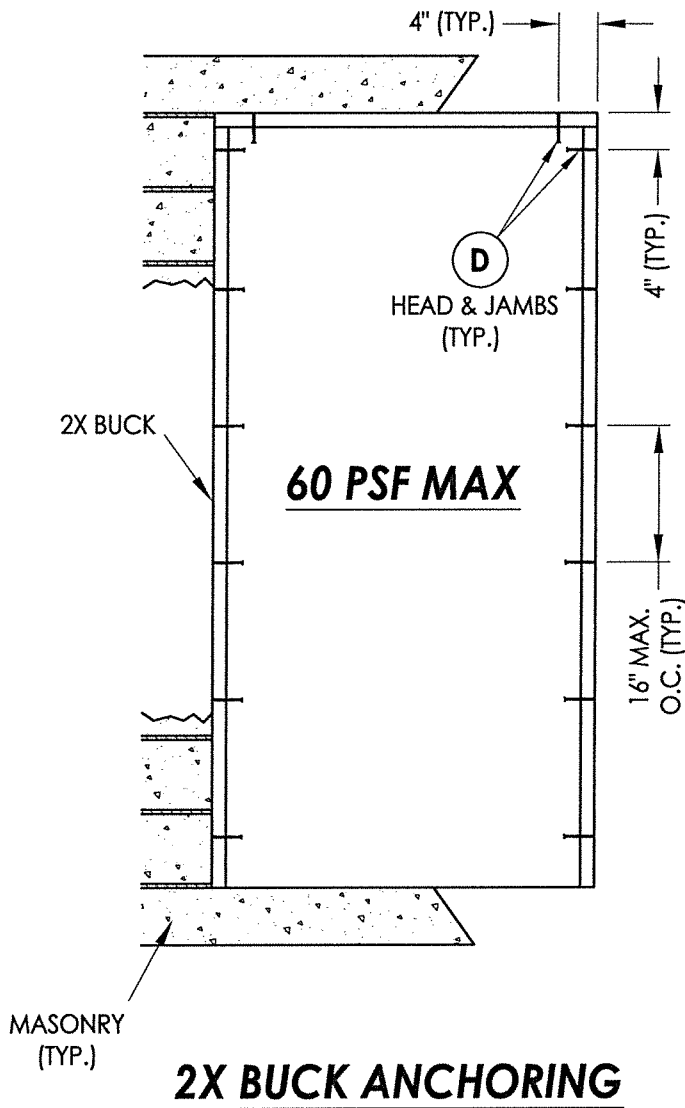
PART OR ASSEMBLY:

**VERTICAL CROSS
SECTIONS (THRESHOLDS)**

[illegible]

SHEET 7 OF 11

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PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING	
REVISIONS			
NO.	DATE	BY	DATE
4	7/21/20	UPDATE TO 7th ED (2020) FBC	LFS
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT
2	11/15/17	RECESSED PANEL NOTATION	JK
1	7/7/17	UPDATE TO 6th ED (2017) FBC	JK

DATE: 5/26/16

SCALE: N.T.S.

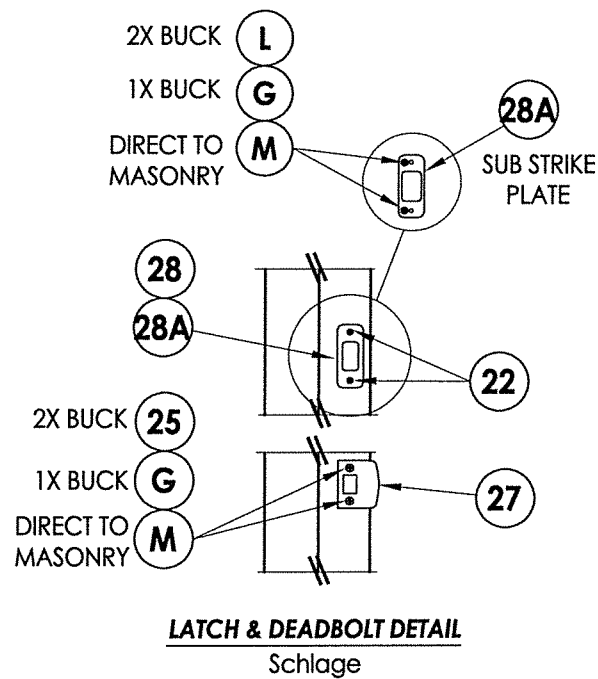
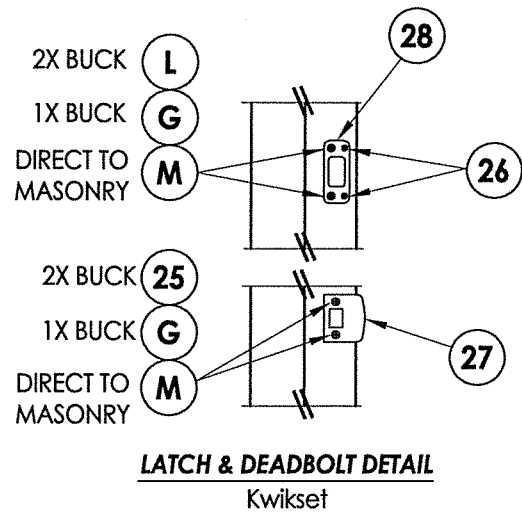
DWG. BY: JK

CHK. BY: LFS

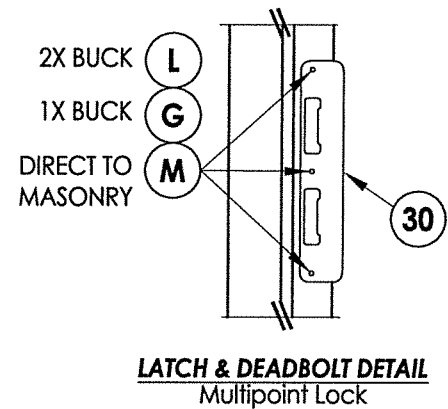
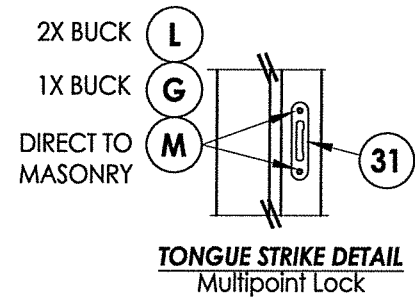
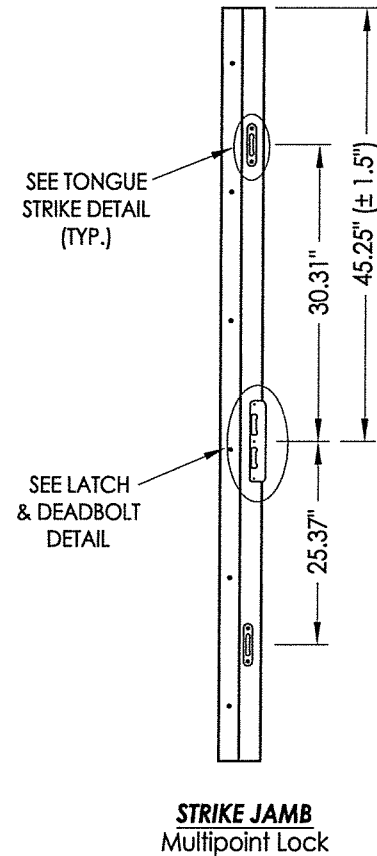
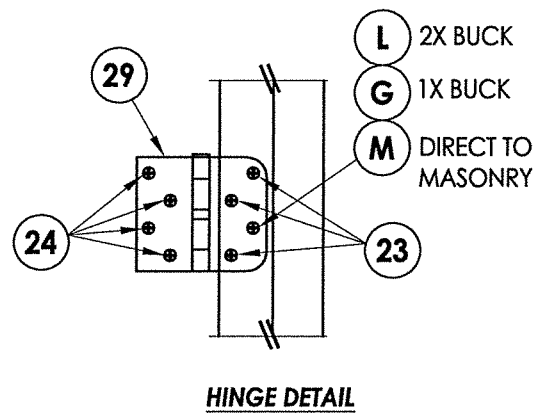
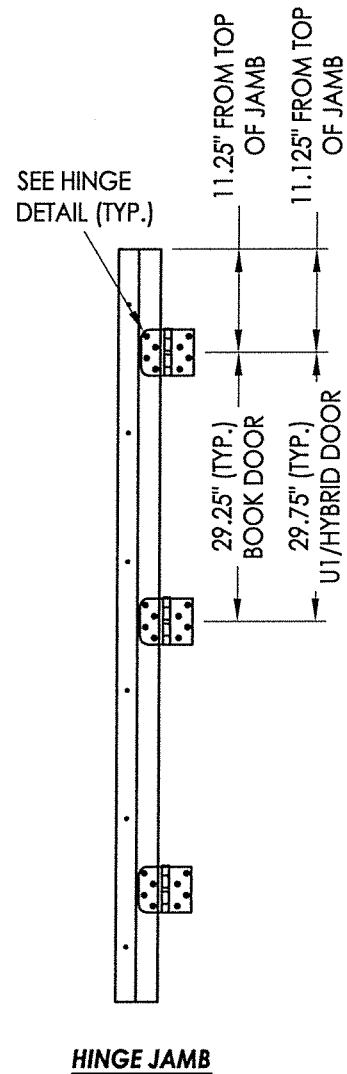
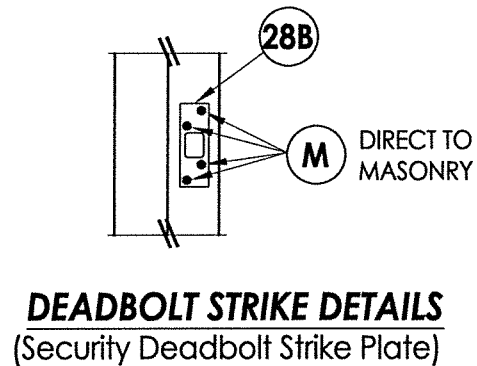
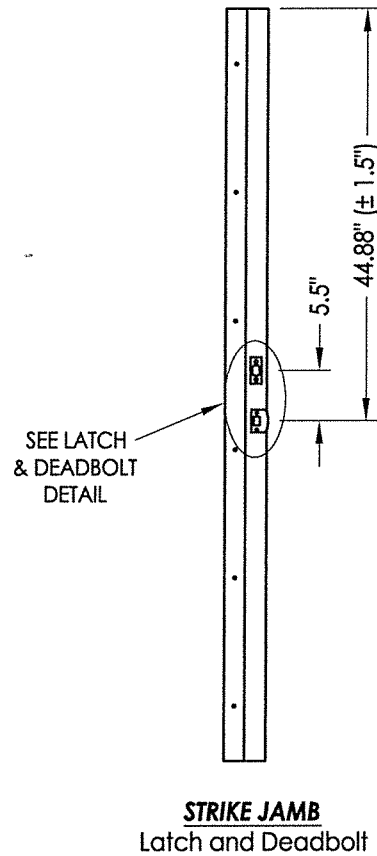
DRAWING NO.:

FL-20461.1

SHEET 8 OF 11



LATCH & DEADBOLT STRIKE DETAILS
(Standard Deadbolt Strike Plate)



MULTIPOINT LOCK STRIKE DETAILS

July 22, 2020

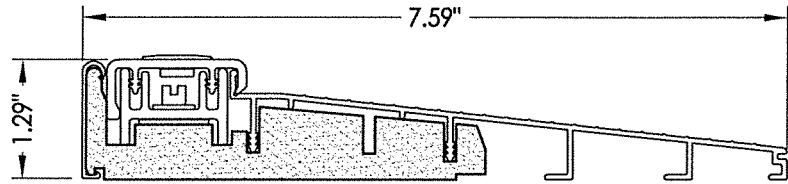
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

STATE OF FLORIDA
Professional Engineer
No. 43409

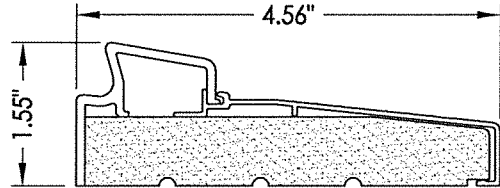
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS	
NO.	DATE	REVISIONS	BY	DATE	REVISIONS
4	7/21/20	UPDATE TO 7th ED (2020) FBC	LFS		
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT		
2	11/15/17	RECESSED PANEL NOTATION	JK		
1	7/7/17	UPDATE TO 6th ED (2017) FBC	JK		

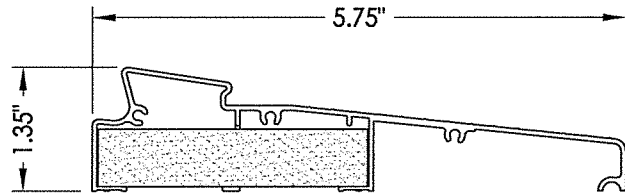
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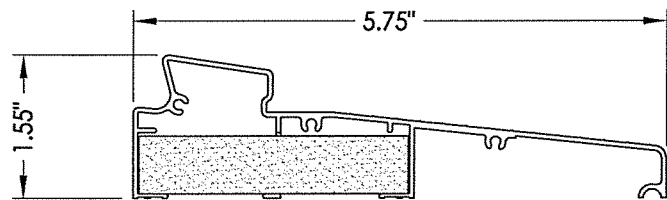
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



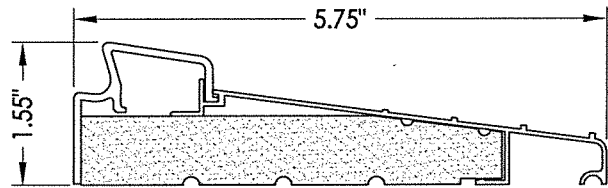
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



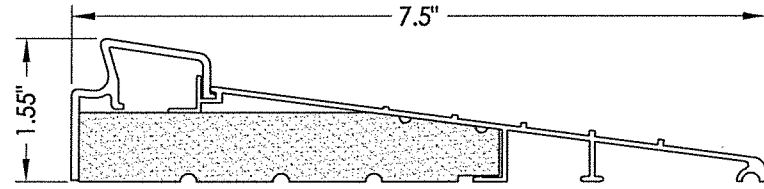
34 INSWING THRESHOLD
Inswing Moderate Climate Sill 1-3/8"



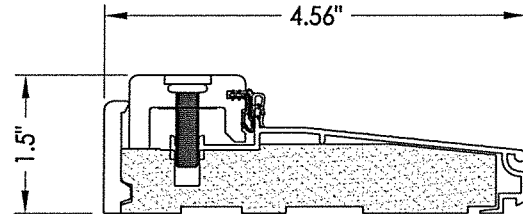
35 INSWING THRESHOLD
Inswing Moderate Climate Sill



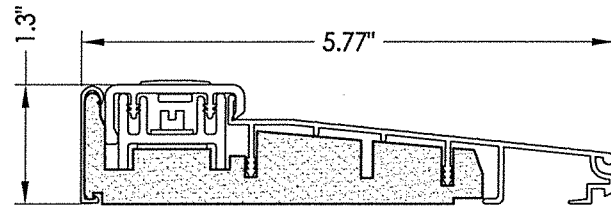
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



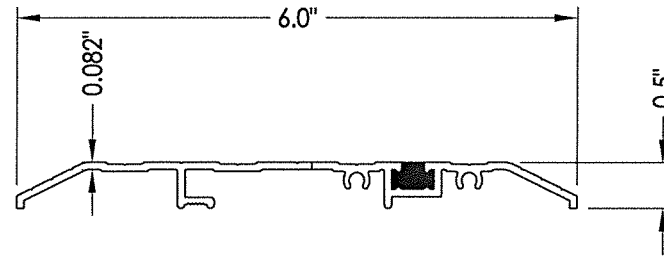
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



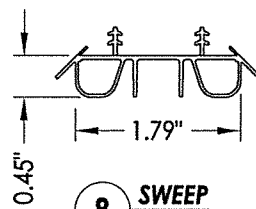
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



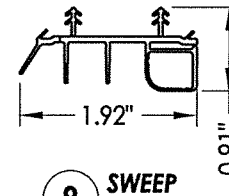
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



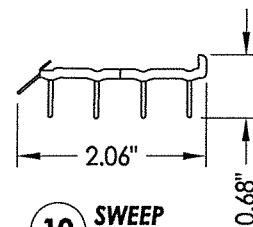
15 PUBLIC ACCESS THRESHOLD



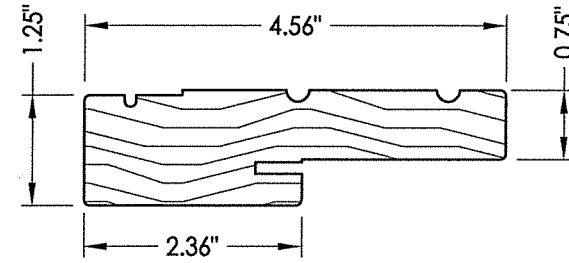
8 SWEEP



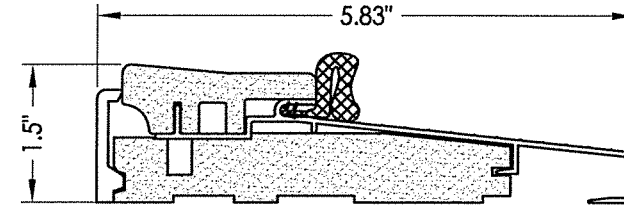
9 SWEEP



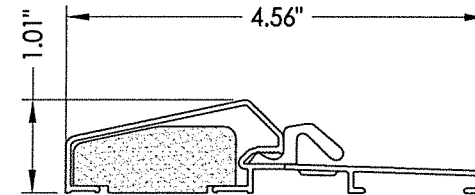
10 SWEEP



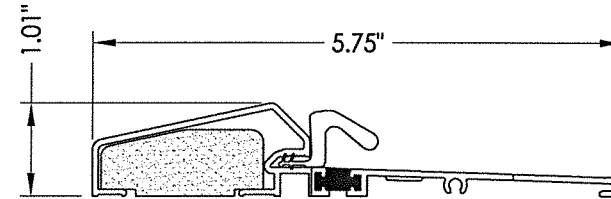
1 WOOD JAMB



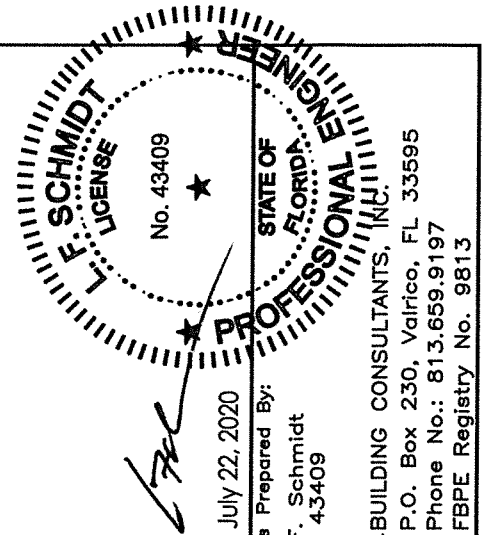
16 OUTSWING THRESHOLD
Composite Sill



17 OUTSWING THRESHOLD
Composite / Aluminum Sill



18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



July 22, 2020
Documents Prepared By:
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PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY
4	7/21/20	UPDATE TO 7th ED (2020) FBC	LFS
3	10/09/18	REV. DOOR PANEL OPTION NOTE	MT
2	11/15/17	RECESSED PANEL NOTATION	JK
1	7/7/17	UPDATE TO 6th ED (2017) FBC	JK
DATE: 5/26/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20461.1			
SHEET 10 OF 11			

