

WINCORE FIBERGLASS ENTRY DOOR

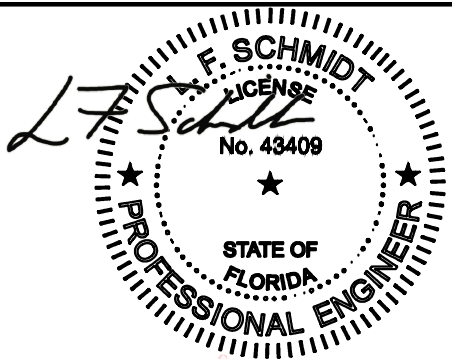
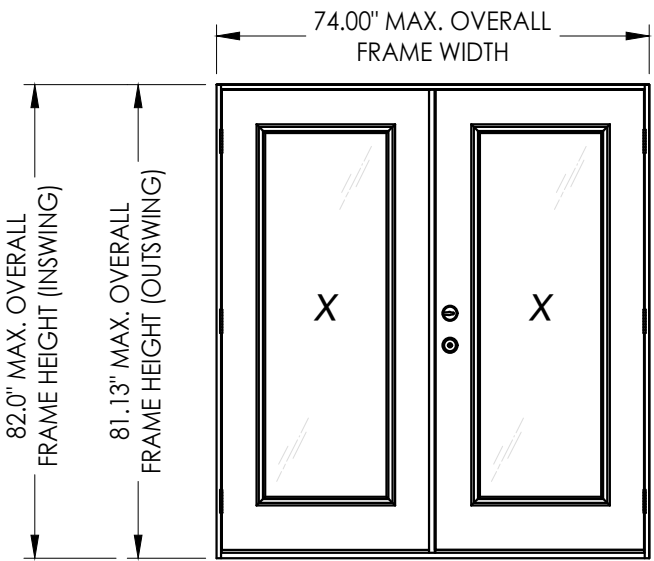
INSWING / OUTSWING

"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 Florida Building Code 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 E1996.
5. For 2x stud 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 meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and must 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.

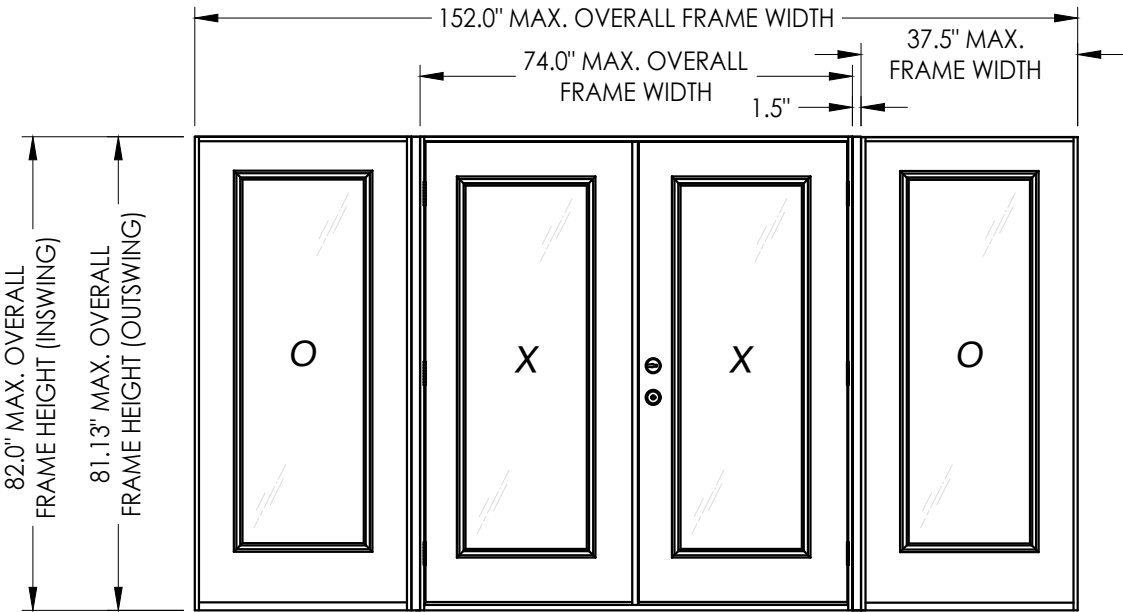
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1	Typical elevations, design pressures & general notes
2	Door panel details
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5	Horizontal cross sections
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7	3-Point lock details
8	3-Point lock details
9	Buck and frame anchoring (XX)
10	Buck and frame anchoring (OXXO)
11	Astragal details
12	Bill of materials & components



Digitally signed by Lyndon F Schmidt

Date: 2026.10.14 08:06:42 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
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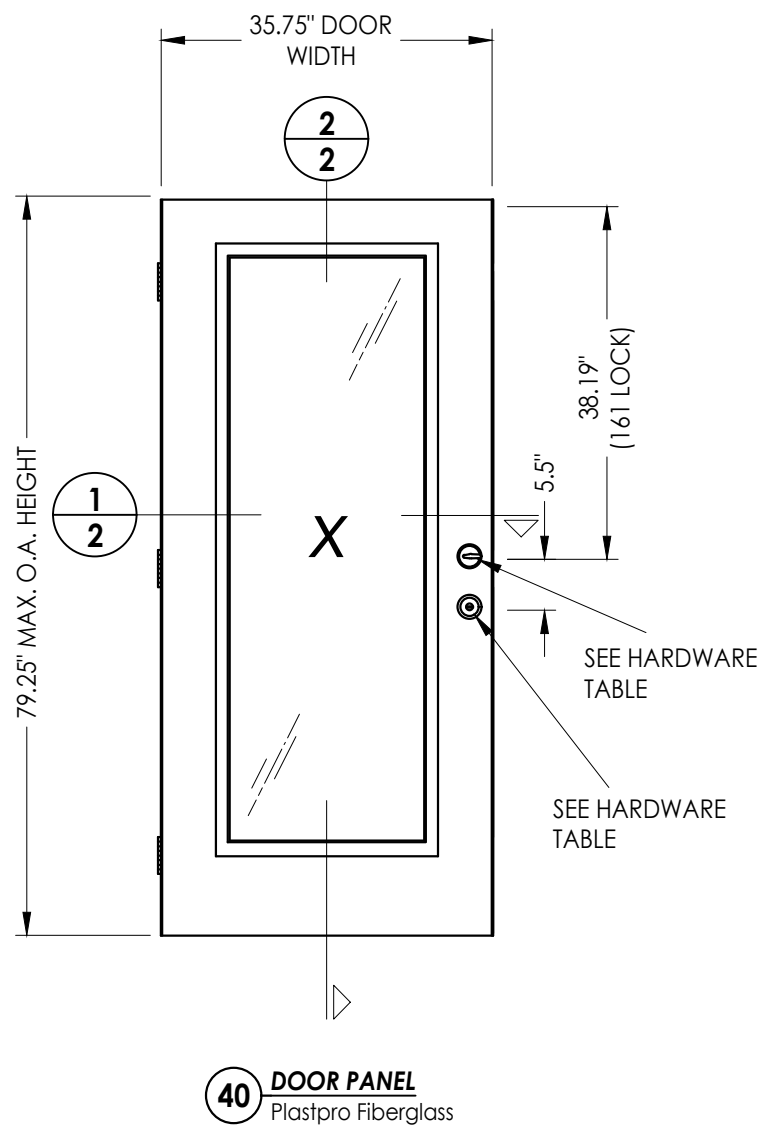
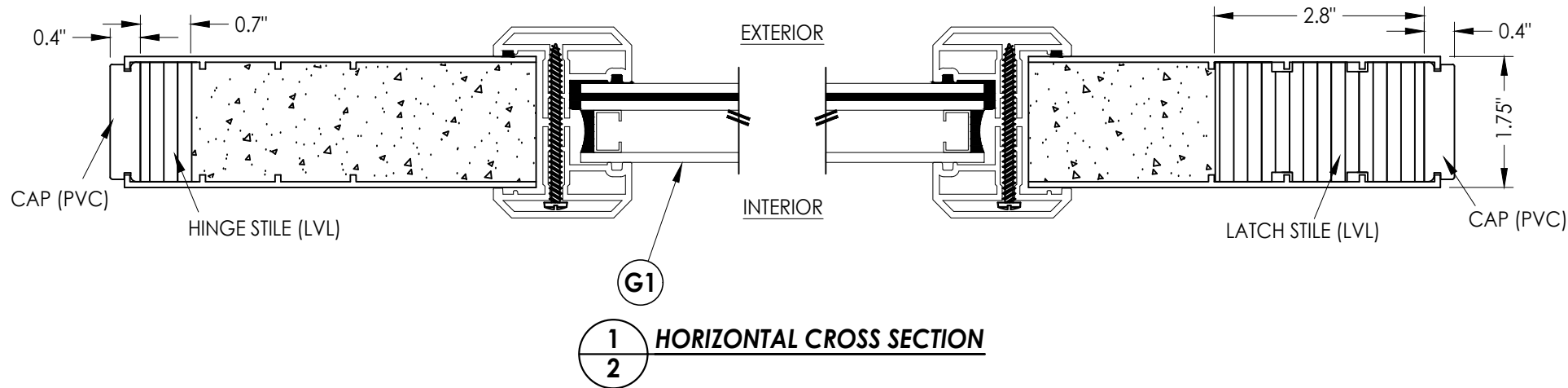
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	74.0" x 82.0"	+55.0	-55.0	+55.0	-55.0
OXXO	152.0" x 82.0"	+50.0	-50.0	+50.0	-50.0

See Sheet 2 for hardware design pressure limitations

DATE: 05/10/12		WINCORE FIBERGLASS DOOR PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15631.6			
SHEET 1	OF 12		

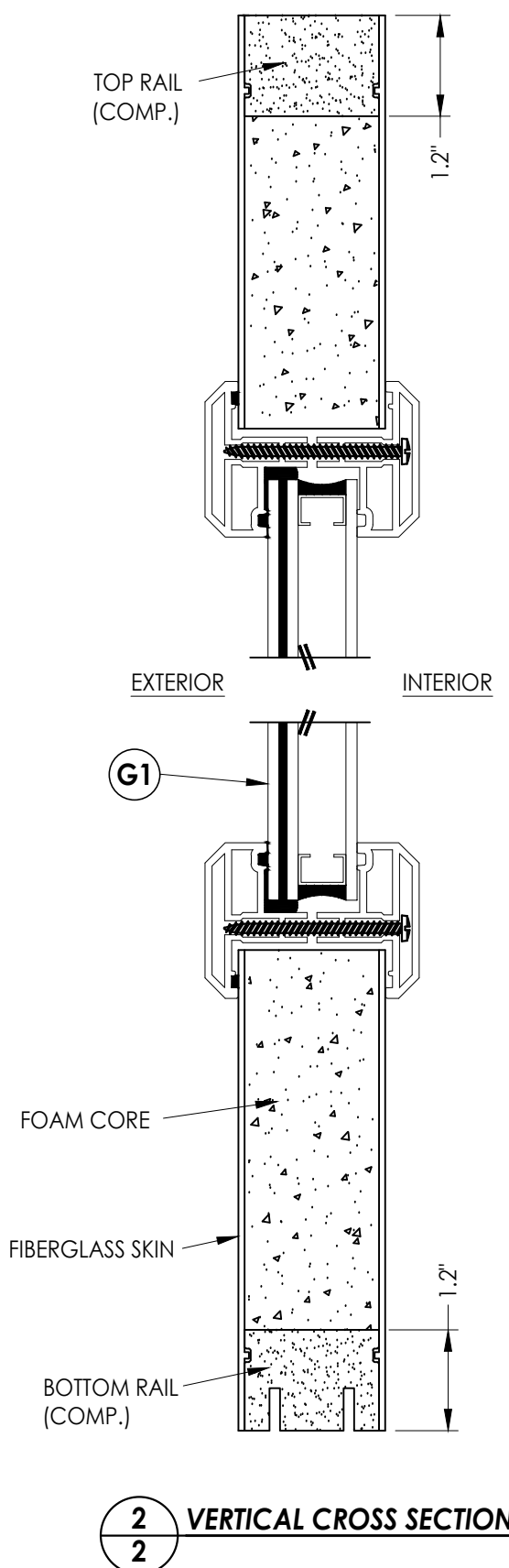
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HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE (PSF)
KWIKSET	KNOB:	SIGNATURE SERIES	±55
	DEADBOLT:	SIGNATURE SERIES (980)	
SCHLAGE	KNOB:	"F" SERIES (F51)	± 55
	DEADBOLT:	"B" SERIES (B60/62)	
PAMEX	LEVER:	FL3B SERIES	± 55
	DEADBOLT:	FD7 SERIES	
HOPPE	MULTI-POINT LOCK:	HLS9000 (3-POINT TONGUE)	± 50
W & F	MULTI-POINT LOCK:	TRILENNIUM "3000" SERIES	± 55

See Sheets 7 & 8 for multi-point lock details.



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

WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

REVISIONS

NO.	DATE	BY
6	10/14/26	UPDATE TO 9TH ED. (2026) FBC
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	10/14/20	UPDATE TO 7TH ED. (2020) FBC
3		& REVISE LITE FRAME

DATE: 05/10/12

SCALE: N.T.S.

DWG. BY: JK

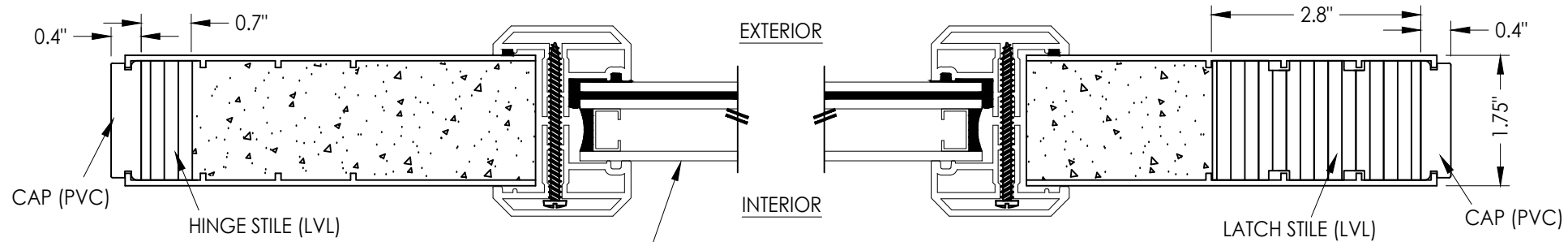
CHK. BY: LFS

DRAWING NO.: FL-15631.6

SHEET 2 OF 12

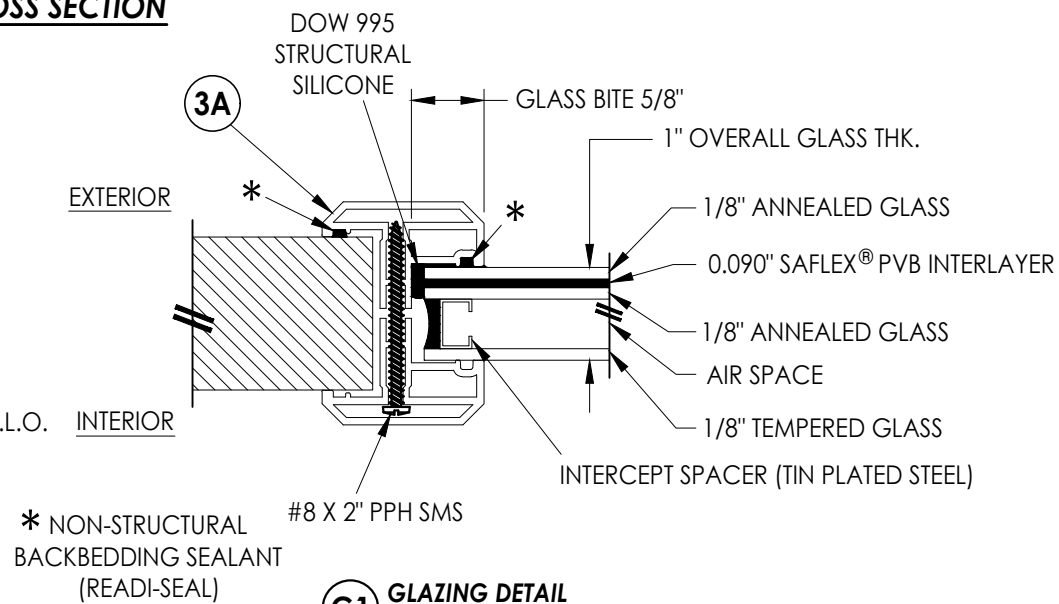
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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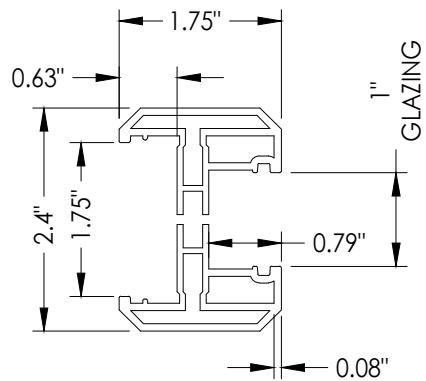


G1

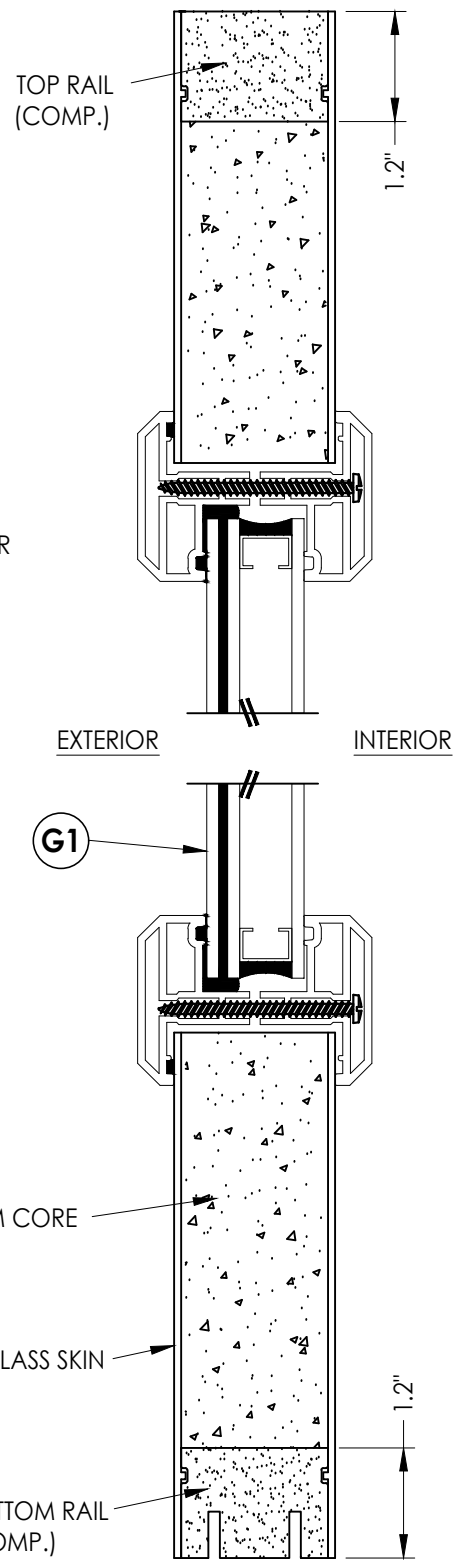
1 **HORIZONTAL CROSS SECTION**
3



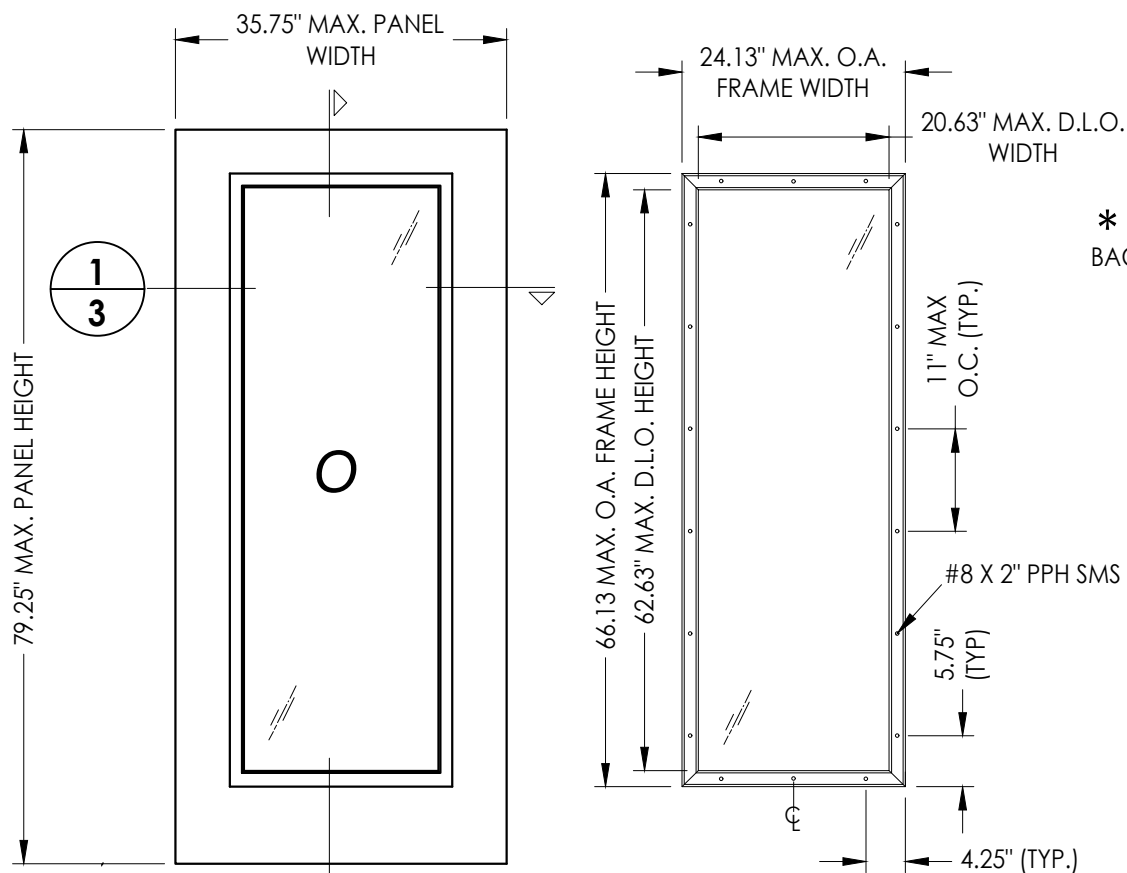
G1 **GLAZING DETAIL**
ODL "FLAT FRAME"



3A **ODL LITE FRAME**
"FLAT FRAME" PROFILE
(6063-T5 ALUM)



2 VERTICAL CROSS SECTION



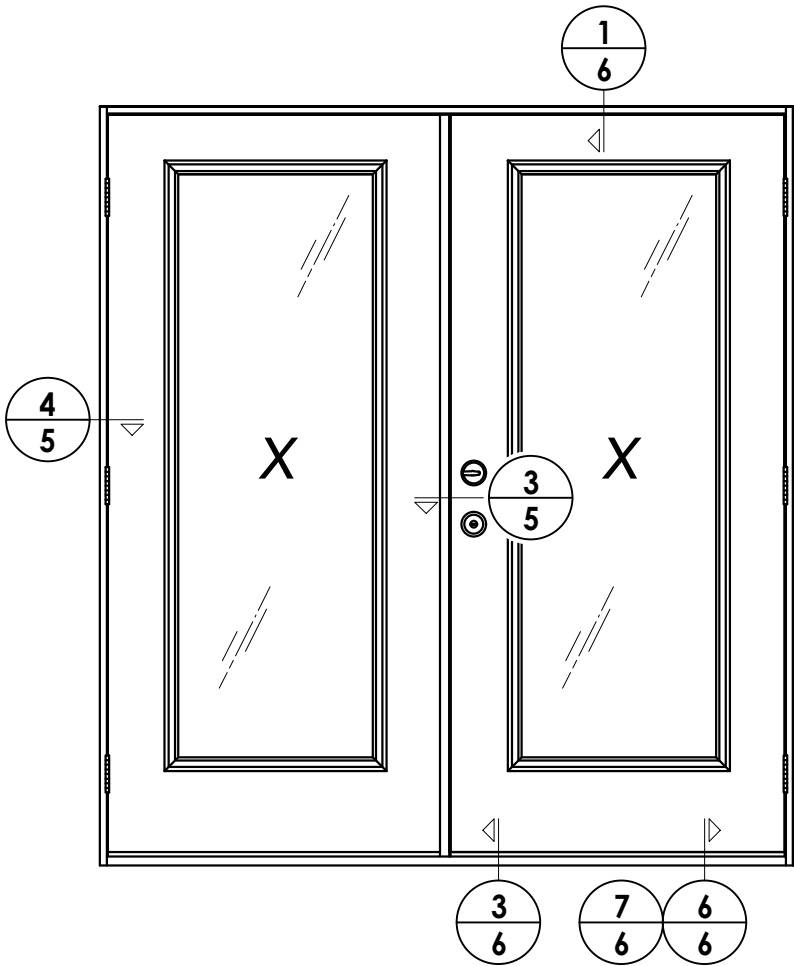
ODL LITE FRAME DETAIL

"FLAT FRAME" PROFILE

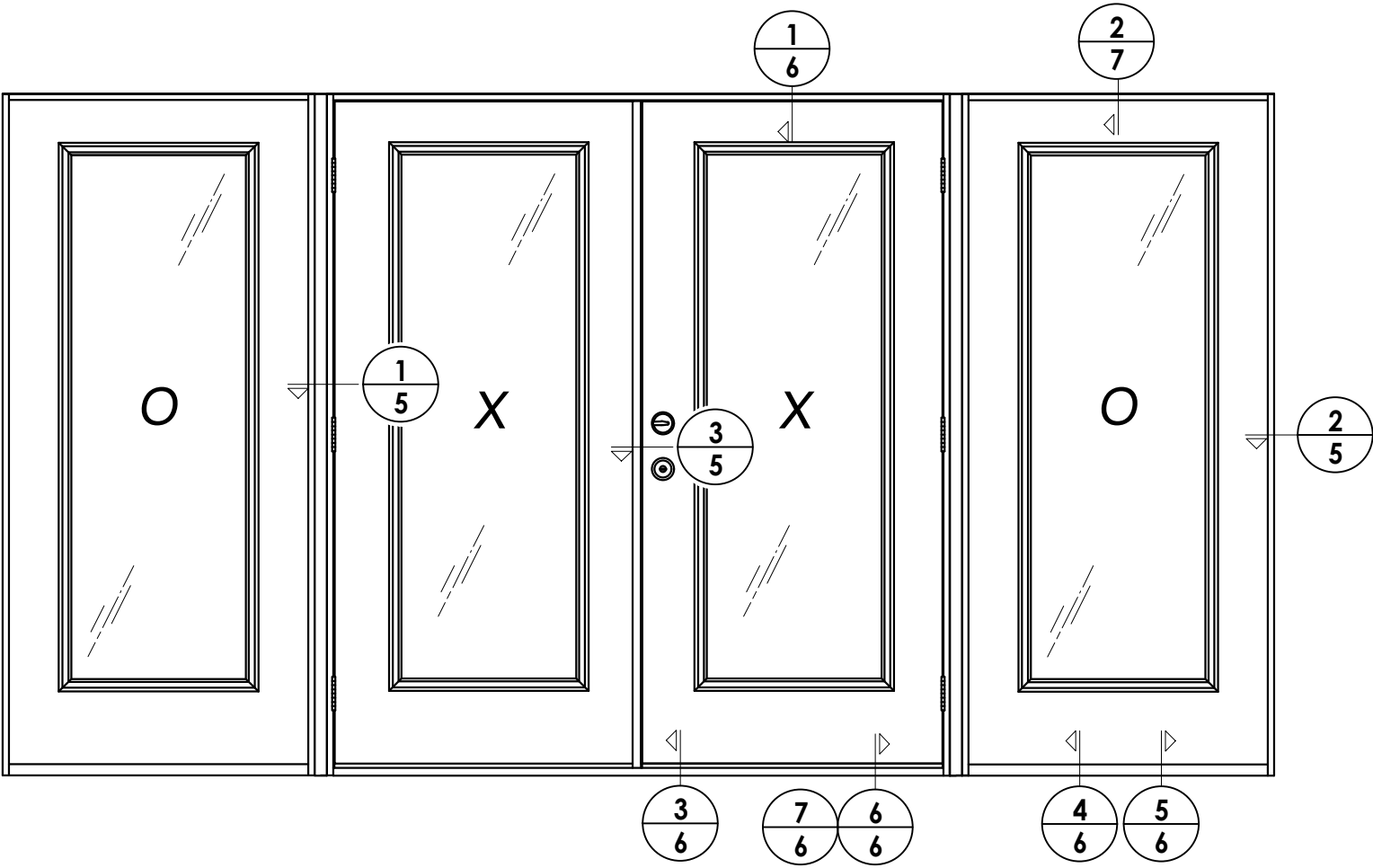
50 PLASTPRO SIDELITE PANEL

FIBERGLASS SKIN: 0.125" MIN. THK. (MIN. Fy = 11,860 PSI)
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)

DATE: 05/10/12					
SCALE: N.T.S.					
DWG. BY: JK					
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SHEET	3	OF	12		
6	10/14/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
		& REVISE LITE FRAME			
4	10/14/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS
PRODUCT:					
WINCORE FIBERGLASS DOOR					
PART OR ASSEMBLY: SIDELITE PANEL DETAILS					
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
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ELEVATION (XX)



ELEVATION (OXXO)

6	10/14/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
		& REVISE LITE FRAME			
4	10/14/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
NO.	DATE			BY	
REVISIONS					

DATE: 05/10/12

SCALE: N.T.S.

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CHK. BY: LFS

DRAWING NO.:
FL-15631.6

SHEET 4 OF 12

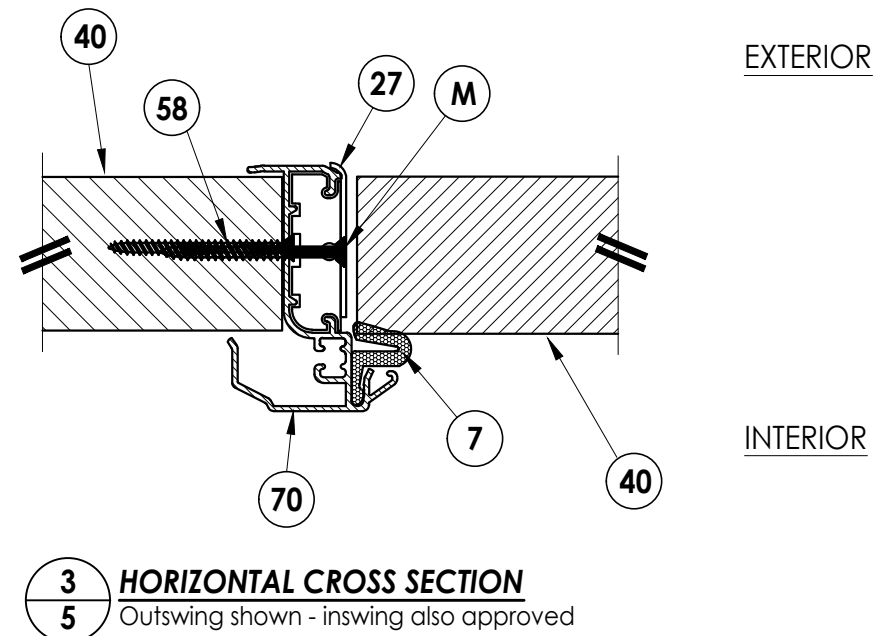
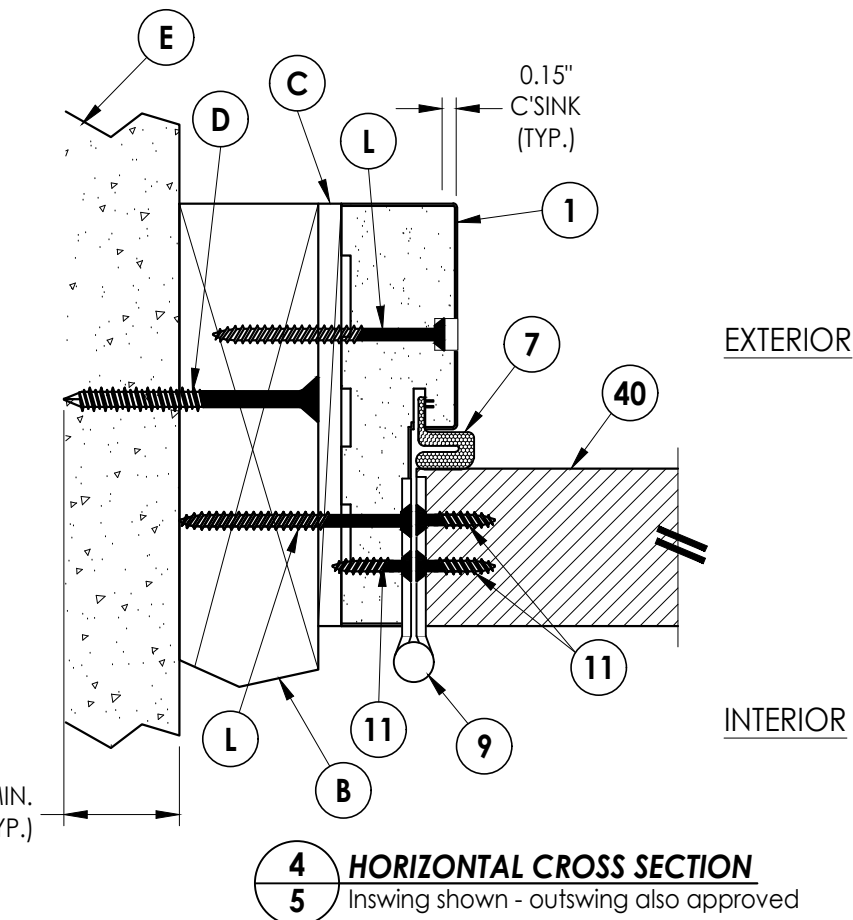
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P.E. No. 43409

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PRODUCT: WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

1. Spacing for item K: 6" from ends and 7 more equally spaced along sidelite (9 total).



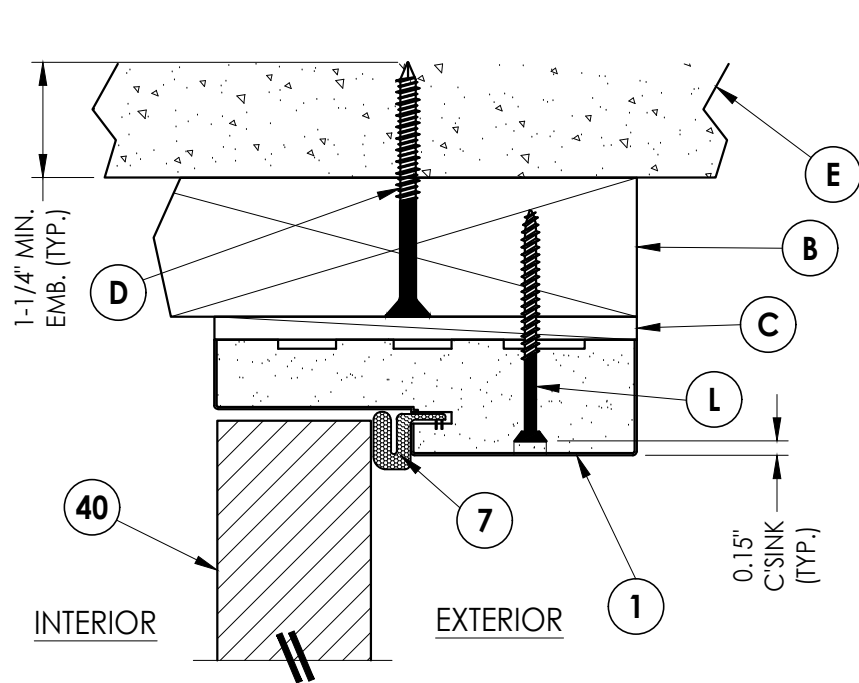
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Phone No.: 813.659.9197
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PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

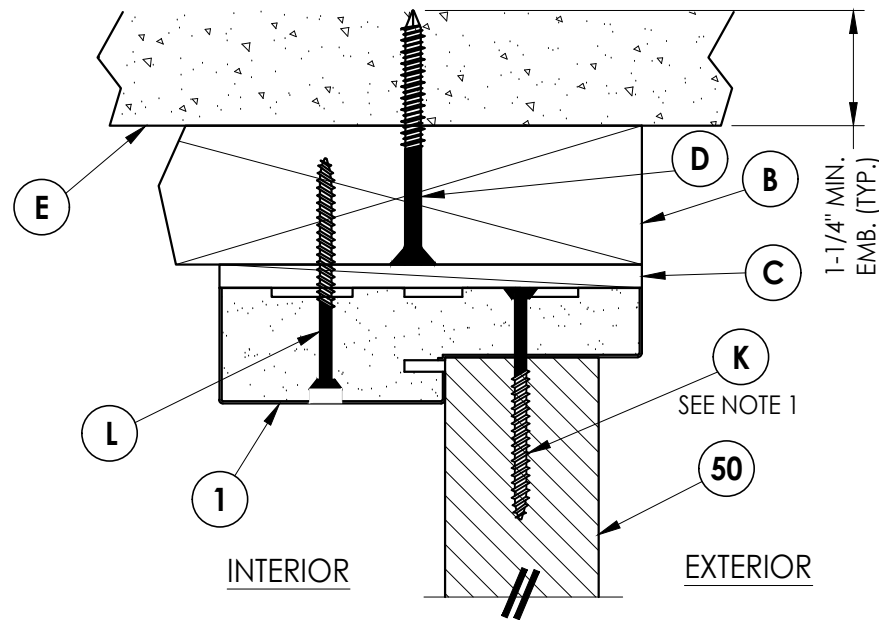
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DATE:	05/10/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15631.6
SHEET	5 OF 12

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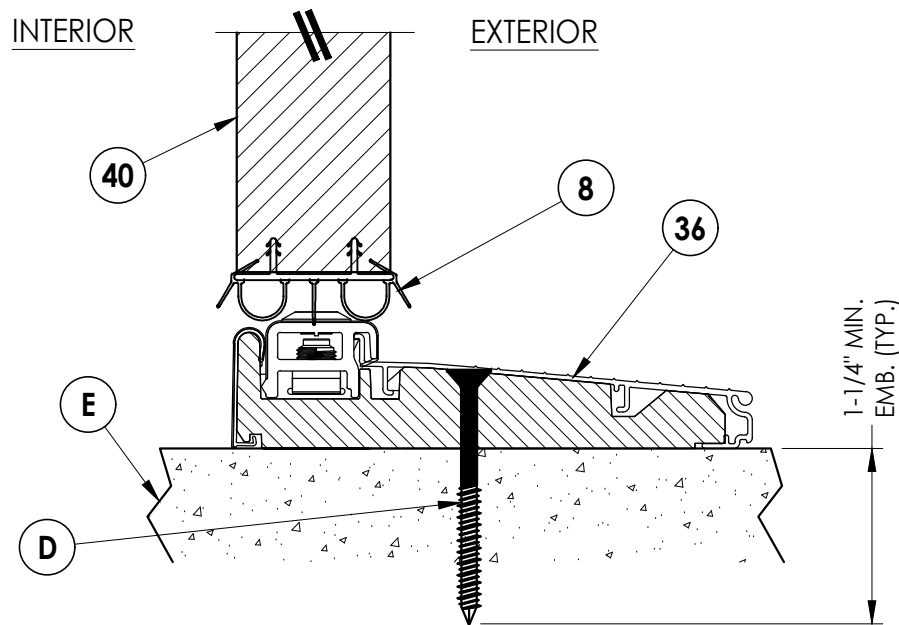
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6 **VERTICAL CROSS SECTION**
Inswing shown - outswing also approved



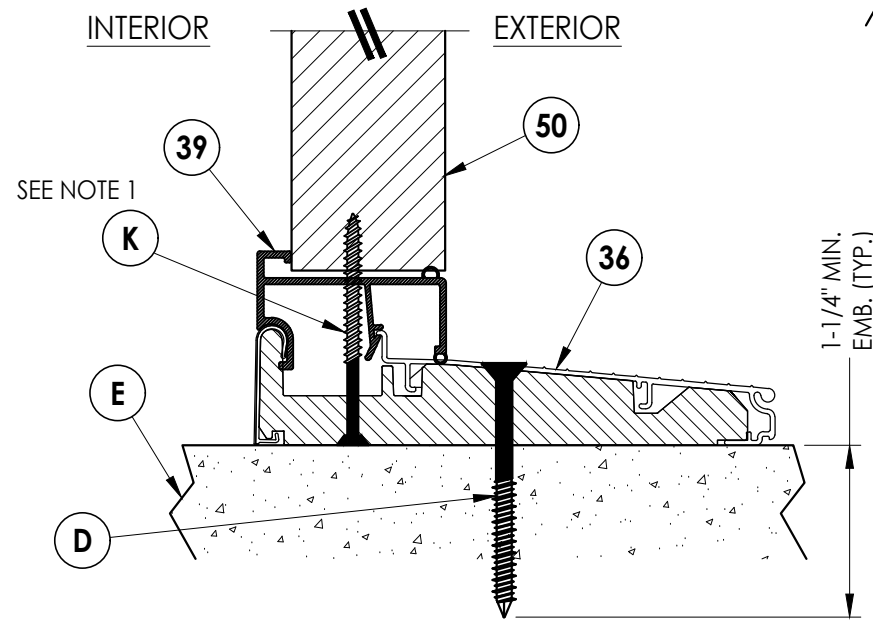
2
6 **VERTICAL CROSS SECTION**
Outswing shown - inswing also approved

NOTE

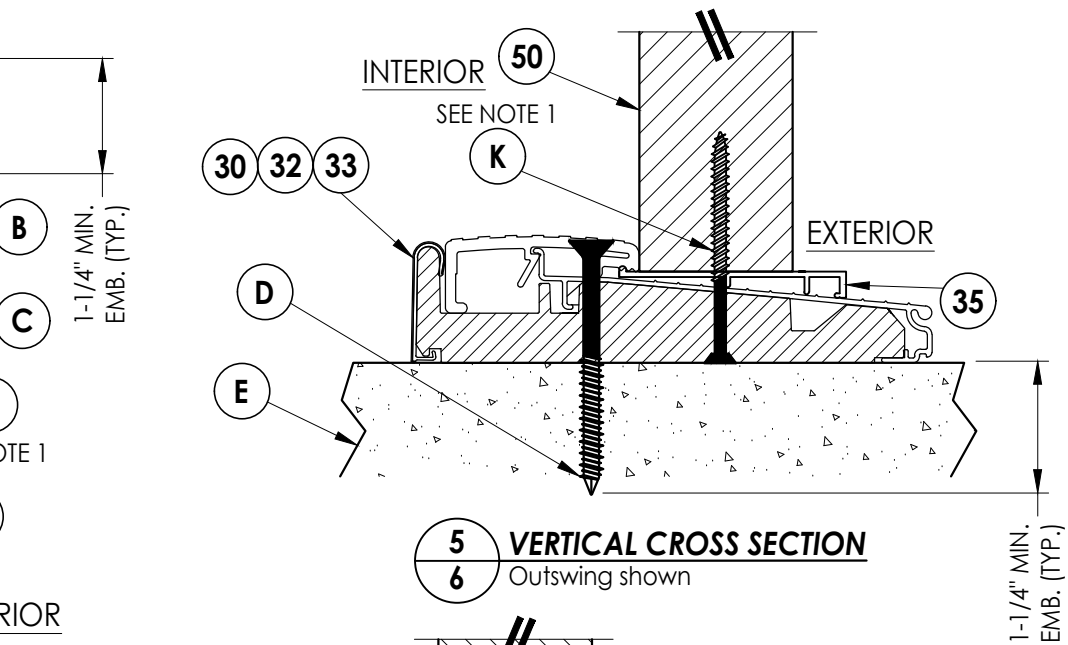
1. Spacing for item K:
6" from each end
and at centerline.



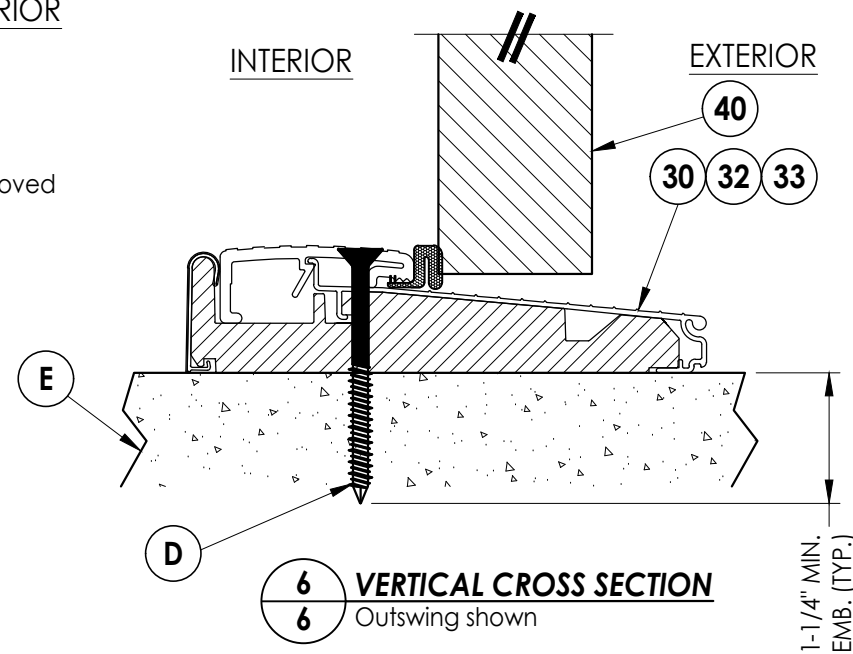
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6 **VERTICAL CROSS SECTION**
Inswing shown



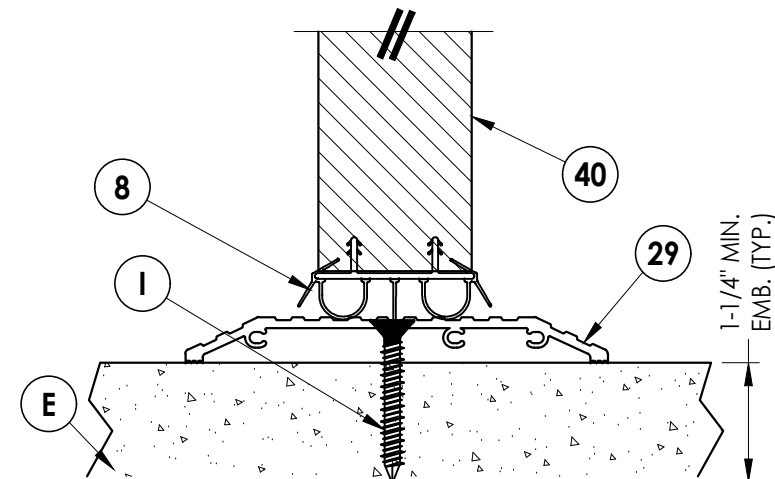
4
6 **VERTICAL CROSS SECTION**
Inswing shown



5
6 **VERTICAL CROSS SECTION**
Outswing shown



6
6 **VERTICAL CROSS SECTION**
Outswing shown



7
6 **VERTICAL CROSS SECTION**
Shown w/ ADA threshold

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PRODUCT:
WINCORE
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

DATE: 05/10/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

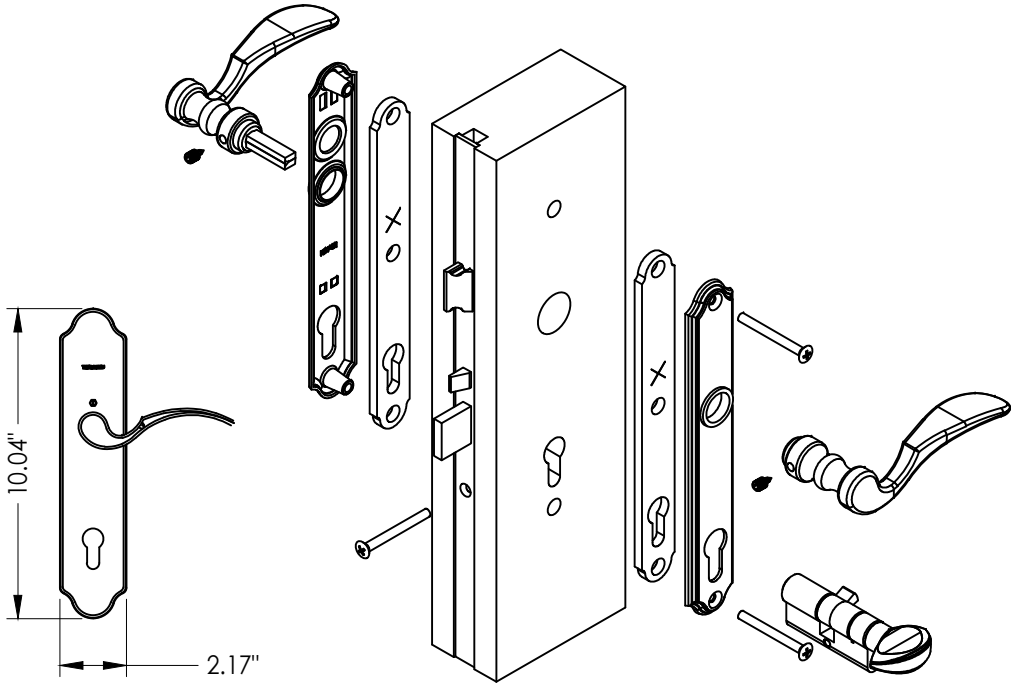
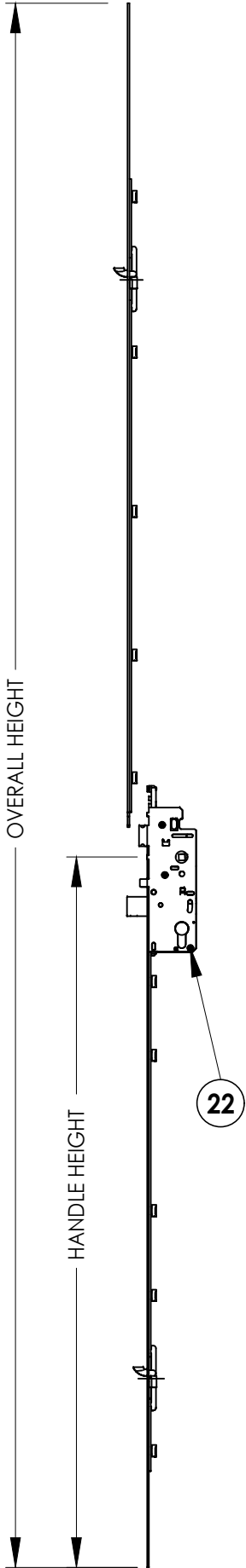
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SHEET 6 OF 12

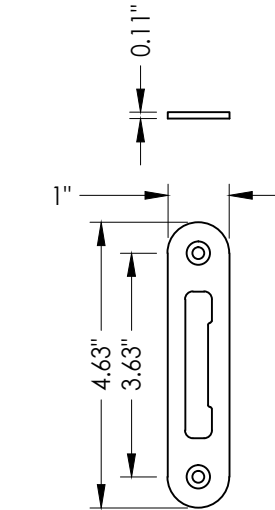
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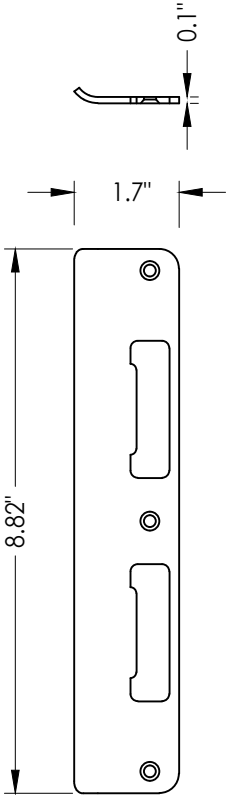
MANUAL RAISED TONGUE GEAR SYSTEM



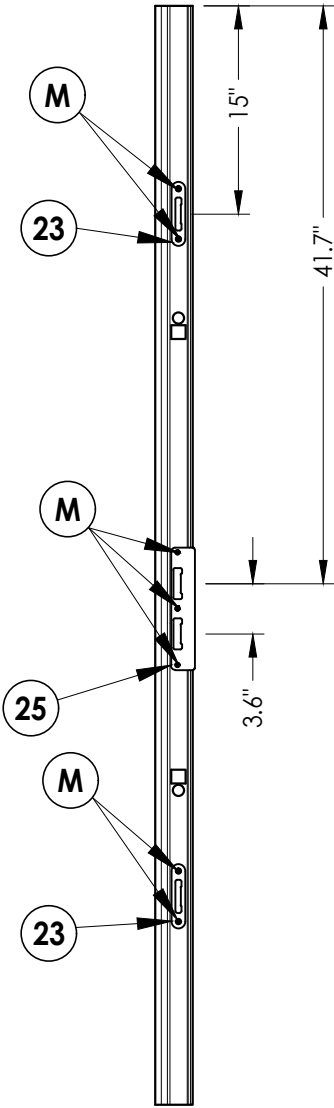
22 HOPPE MULTI-POINT LOCKSET
HLS9000 (3-Point "Tongue")



23 MULTI-POINT STRIKE PLATE



25 LATCH AND DEADBOLT STRIKE PLATE
Tongue system



ASTRAGAL STRIKE DETAILS

DATE: 05/10/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

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FL-15631.6

SHEET 7 OF 12

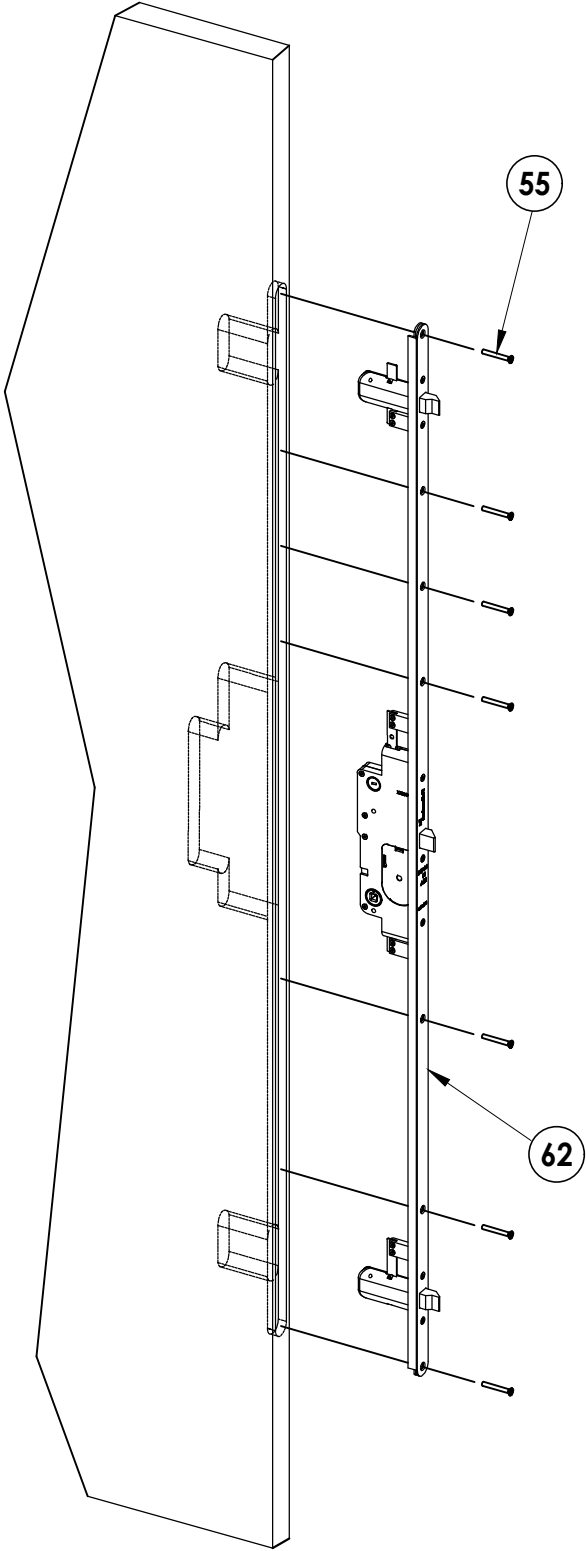
PRODUCT:

WINCORE
FIBERGLASS DOOR

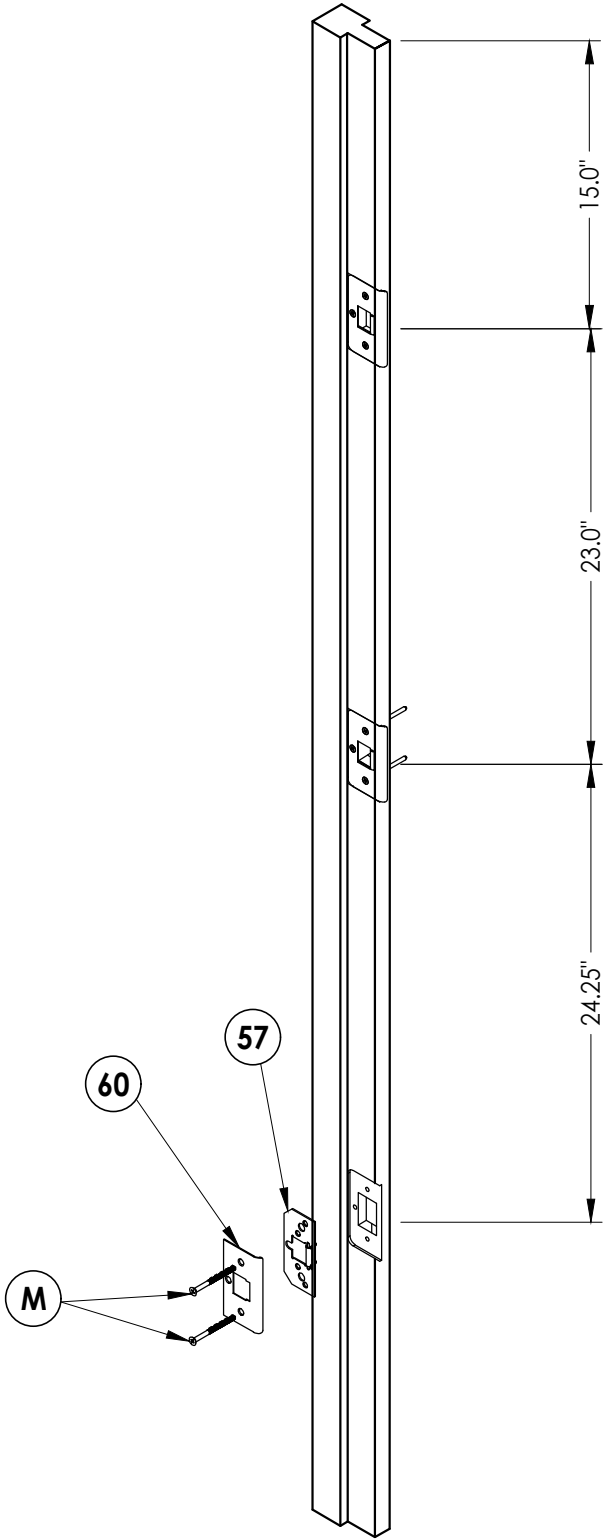
PART OR ASSEMBLY:
3-POINT LOCK DETAILS

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FBPE Registry No. 9813



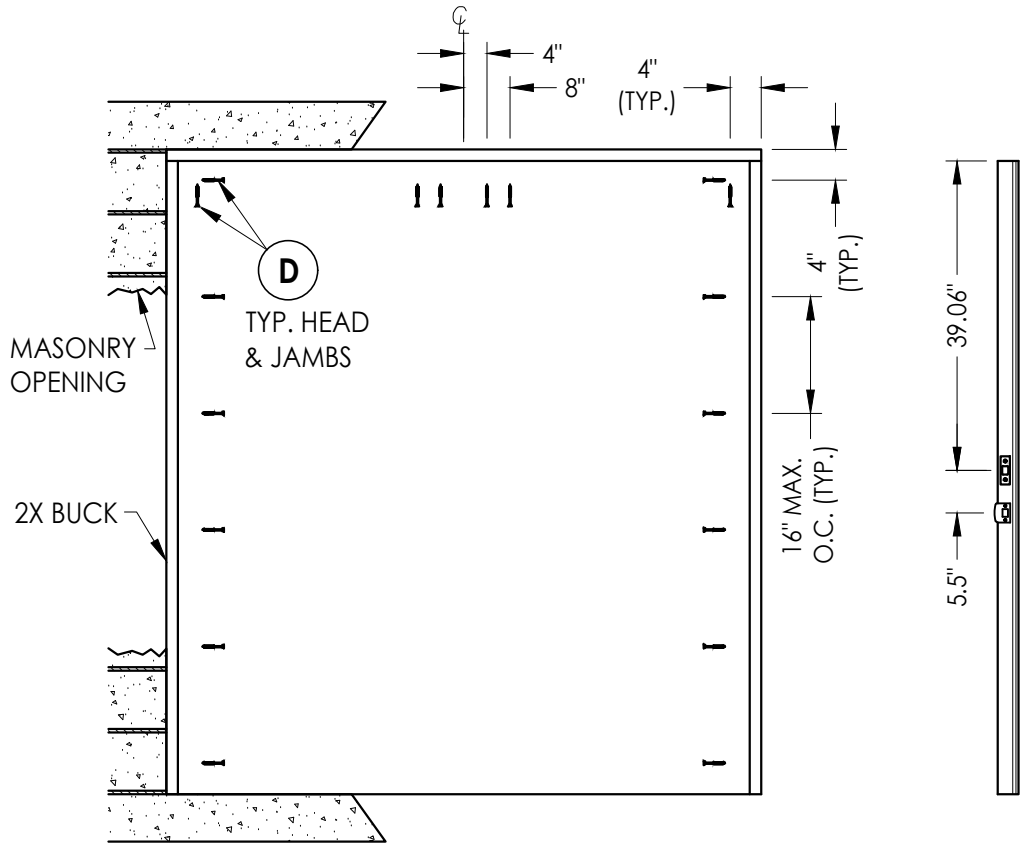
59 **ENDURA TRILENNIUM 3000 SERIES**
3-Point Lock



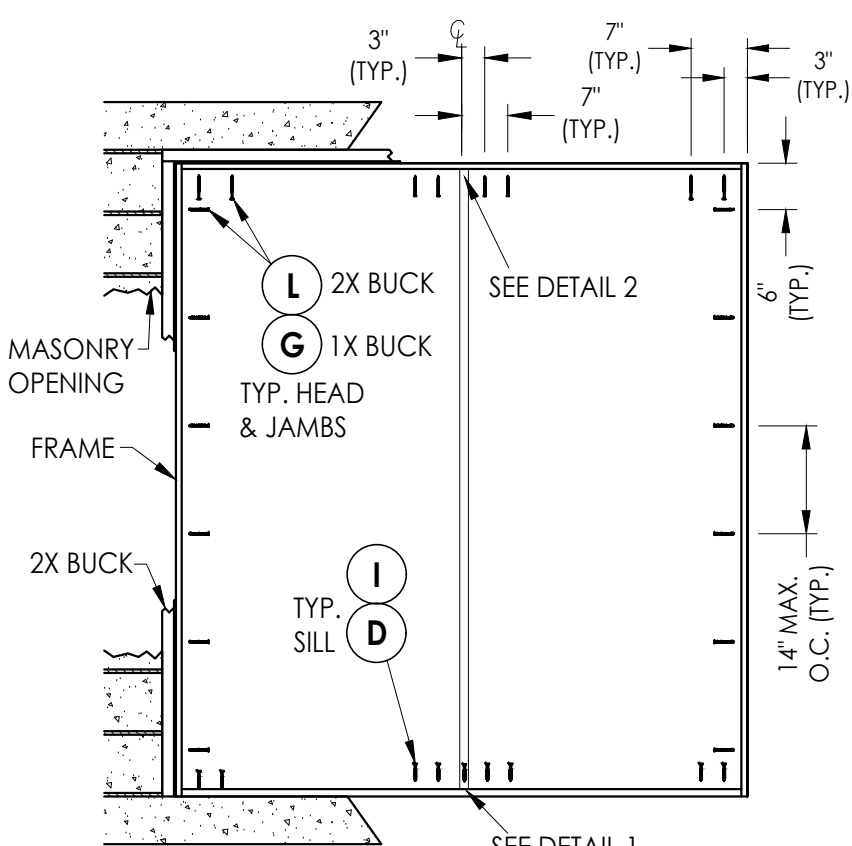
ASTRAGAL STRIKE DETAILS

DATE: 05/10/12		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		WINCORE FIBERGLASS DOOR		Lyndon F. Schmidt P.E. No. 43409	
DWG. BY: JK		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
CHK. BY: LFS		3-POINT LOCK DETAILS			
DRAWING NO.: FL-15631.6					
SHEET 8 of 12					

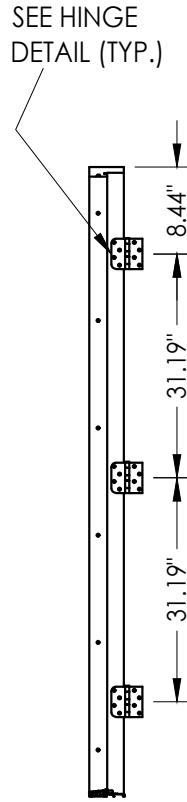
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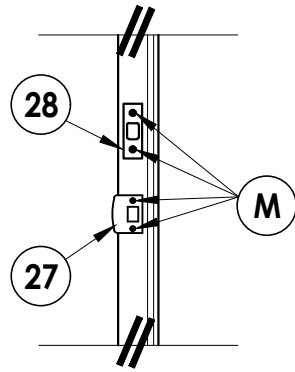
BUCK ANCHORING
XX



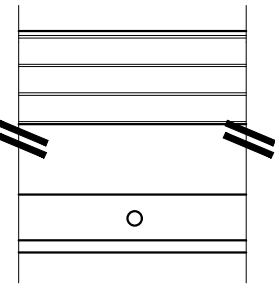
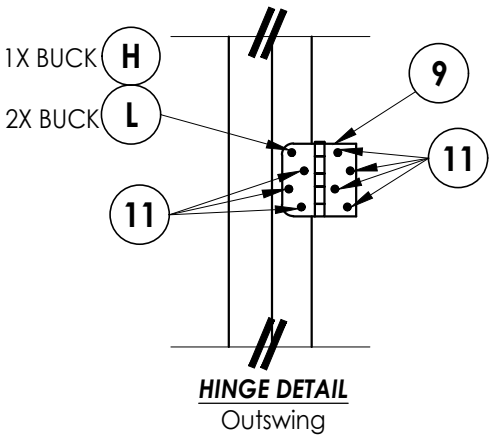
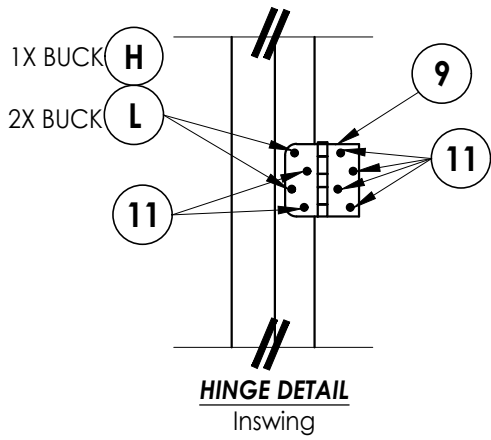
FRAME ANCHORING
XX



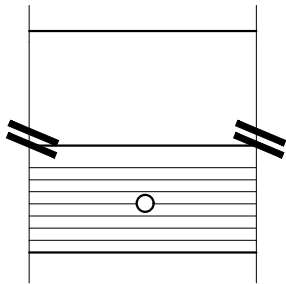
HINGE JAMB



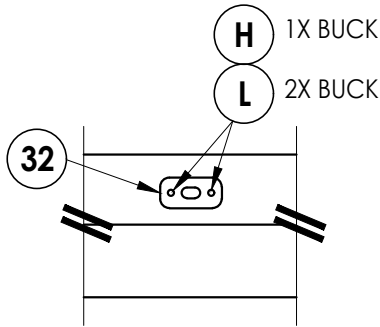
LATCH & DEAD BOLT DETAIL



DETAIL 1
Astragal throw bolts
at the threshold
(Inswing)



DETAIL 1
Astragal throw bolts
at the threshold
(Outswing)



DETAIL 2
Attach astragal throw bolt
strike plate to frame
as shown

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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" dimensions are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"
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.

Documents Prepared By:
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P.E. No. 43409

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RW

PRODUCT:
WINCORE
FIBERGLASS DOOR
PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING
(XX)

NO.	DATE	REVISIONS
6	10/14/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	10/14/20	UPDATE TO 7TH ED. (2020) FBC LFS
3		BY

DATE: 05/10/12

SCALE: N.T.S.

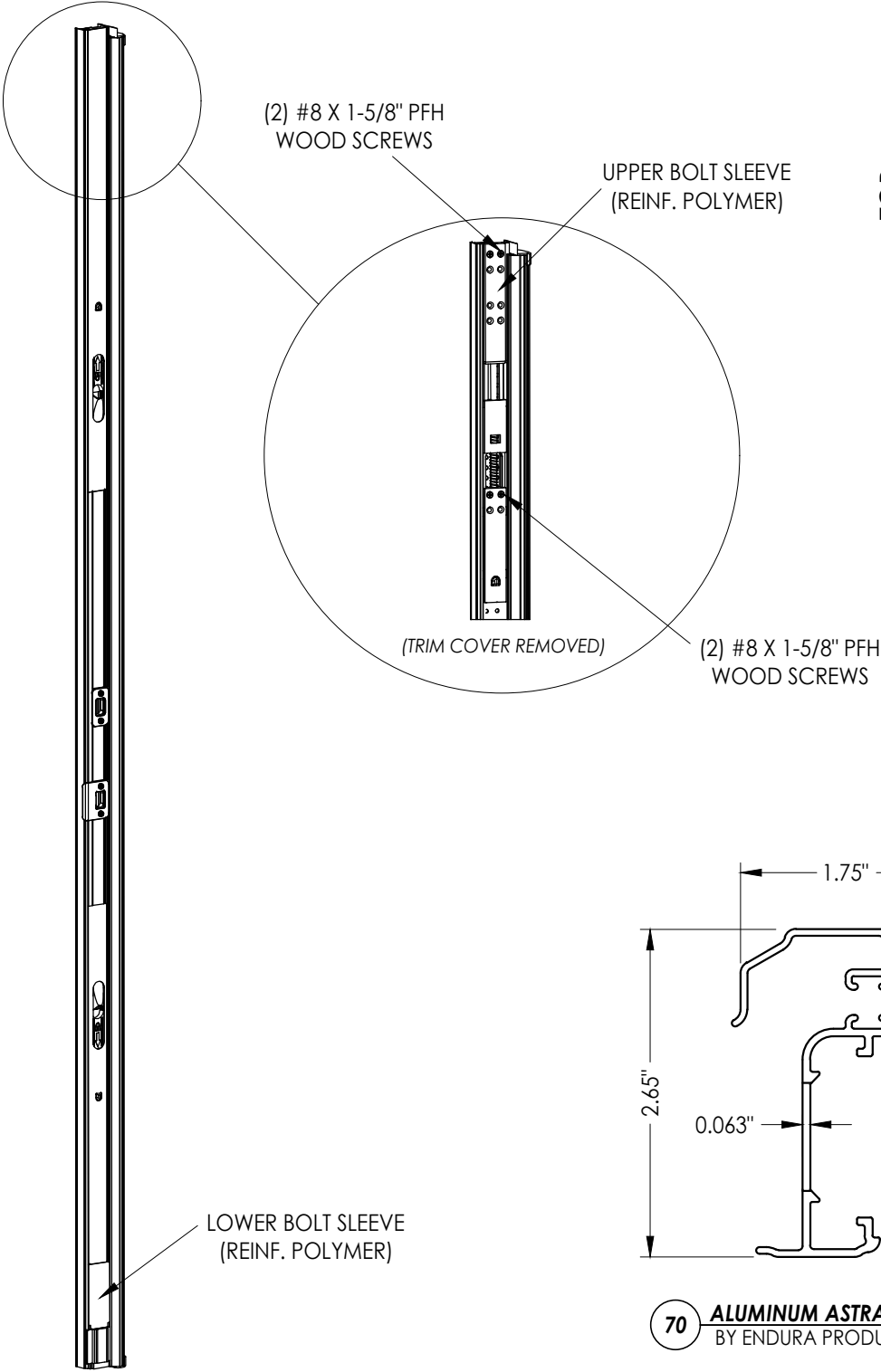
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CHK. BY: LFS

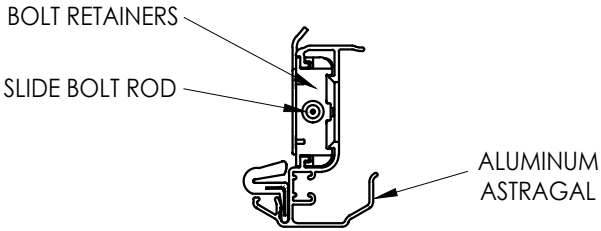
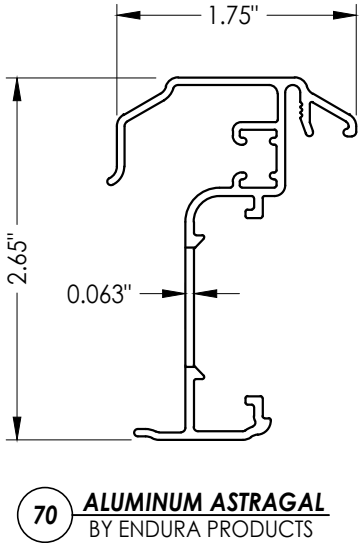
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SHEET 9 OF 12

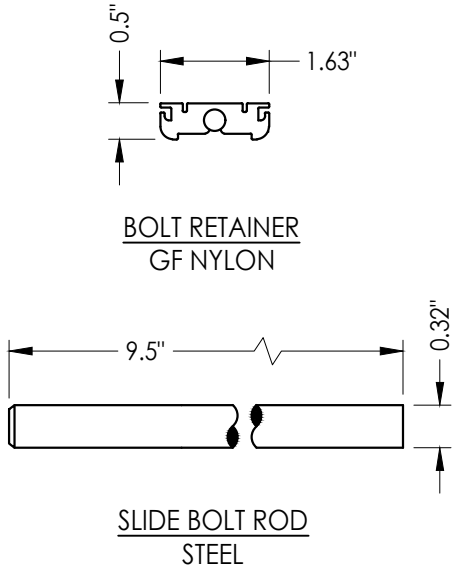
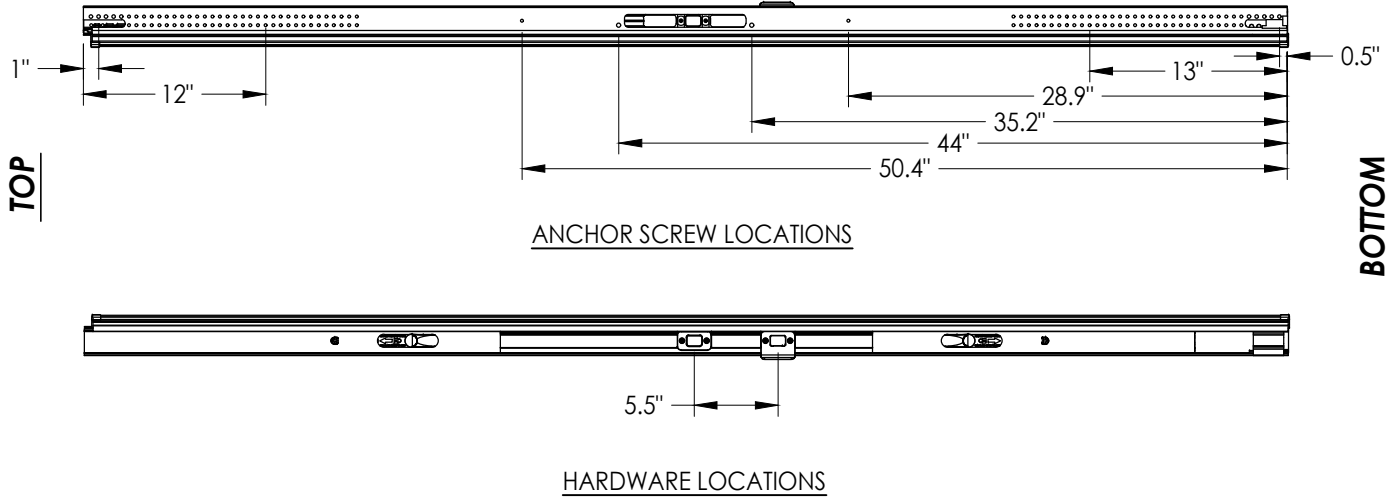
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ULTIMATE HURRICANE ASTRAGAL



ALUMINUM ASTRAGAL ASSEMBLY



NO.	DATE	REVISIONS
6	10/14/26	UPDATE TO 9TH ED. (2026) FBC LFS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	10/14/20	& REVISE LITE FRAME UPDATE TO 7TH ED. (2020) FBC LFS

DATE:	05/10/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15631.6
SHEET	11 OF 12

PRODUCT:	WINCORE FIBERGLASS DOOR
PART OR ASSEMBLY:	ASTRAGAL DETAILS

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