DLP-PRESSRITE, INC.

ALUMINUM ASTRAGAL

Utilizing a Fiberglass Door Panel

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. This product has been tested in the door panels as specified in this approval. Substitution into a similar (opaque or glazed) product may be approved for use by the local Authority Having Jurisdiction. In all cases, the fiberglass door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the fiberglass side hinged swing door approval being used.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. Outswing configurations meet the water infiltration requirements for the "HVHZ".
7. All steel shall be protected as specified in FBC Section 2222.6.
8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

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1	Typical Elevation, Design Pressures & General Notes
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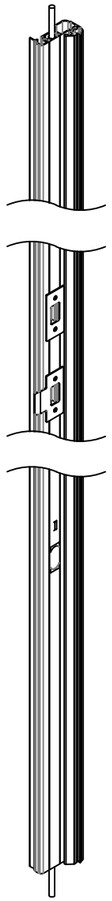
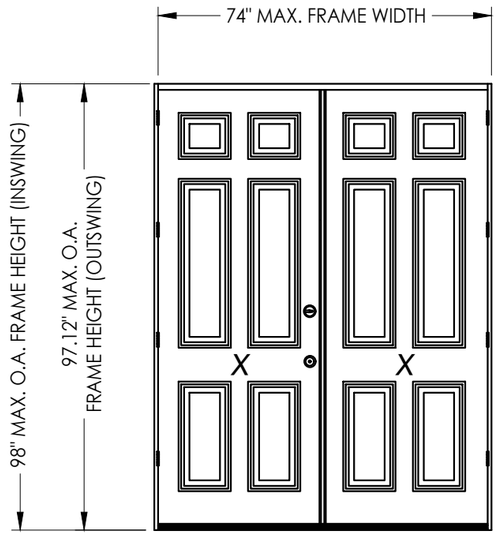
6	Bill of Materials & Components



ALUMINUM ASTRAGAL



DOUBLE DOOR ELEVATION

DOOR PANEL	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) OUTSWING	
		POS.	NEG.
PLASTPRO FIBERGLASS	74.0" x 98.0"	+50.0	-50.0

L7 Schmidt

L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2026.07.02 16:38:41 -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

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: *DLP ALUMINUM ASTRAGAL*

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

NO.	DATE	REVISIONS	BY
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	3/04/25	ADD FLAT PROFILE ASTRAGAL	LFS
1	8/09/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 6/07/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-14805.7
SHEET 1 OF 6

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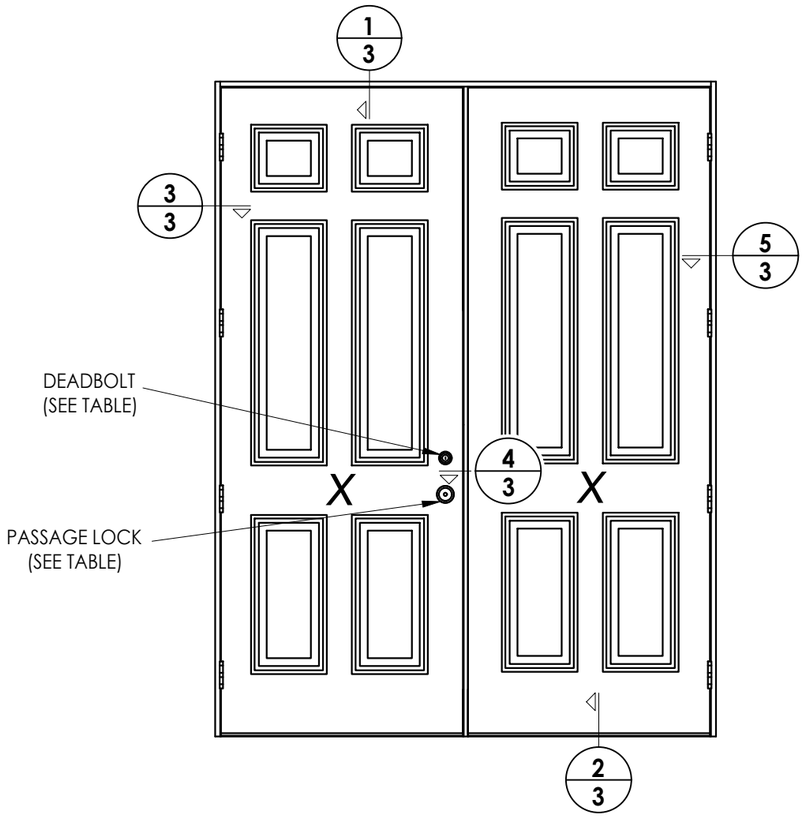
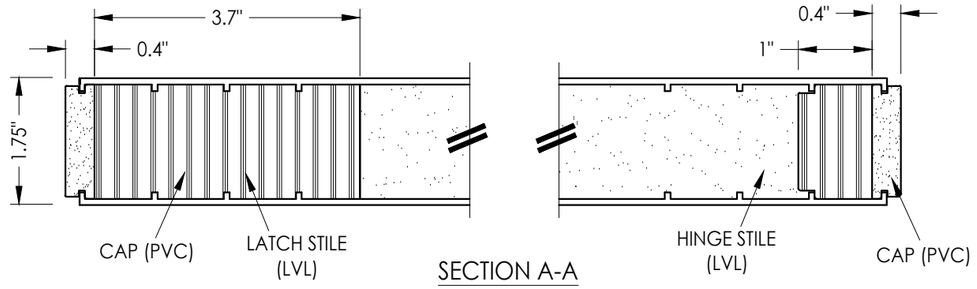
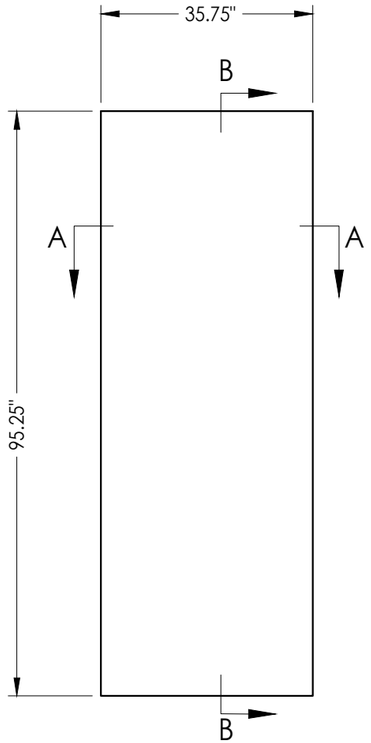


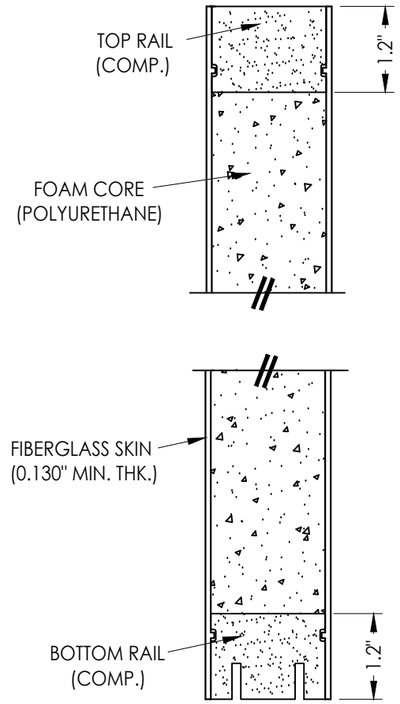
HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: "F" SERIES (F10) DEADBOLT: "B" SERIES (B60/62)
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)



SECTION A-A



FIBERGLASS DOOR PANEL
Plastpro 8'-0"



SECTION B-B

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PRODUCT: DLP ALUMINUM ASTRAGAL

PART OR ASSEMBLY: ELEVATION & DOOR PANEL DETAILS

NO.	DATE	REVISIONS	BY
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
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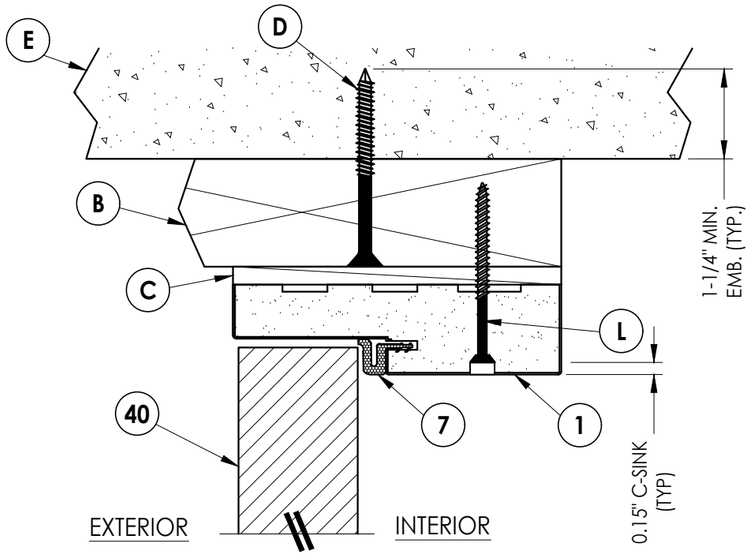
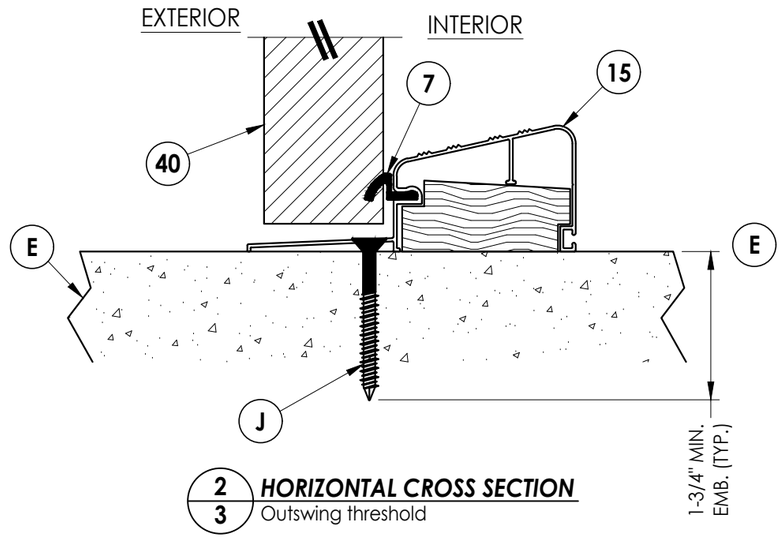
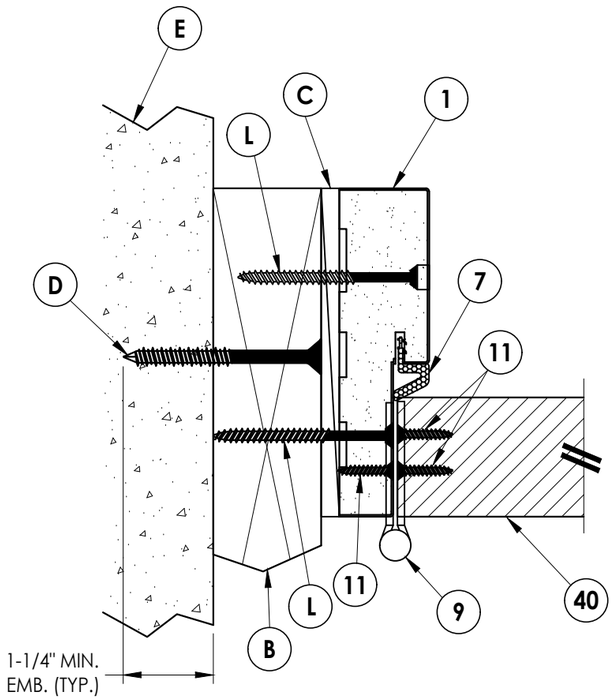


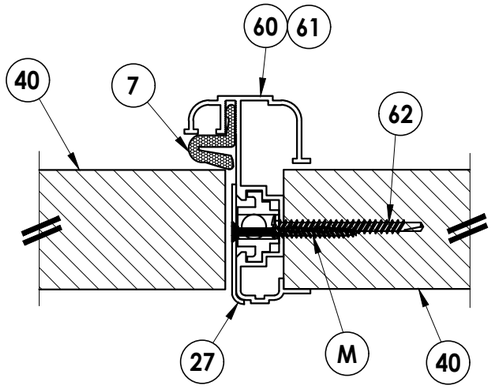
1/3 ***VERTICAL CROSS SECTION***
Outswing



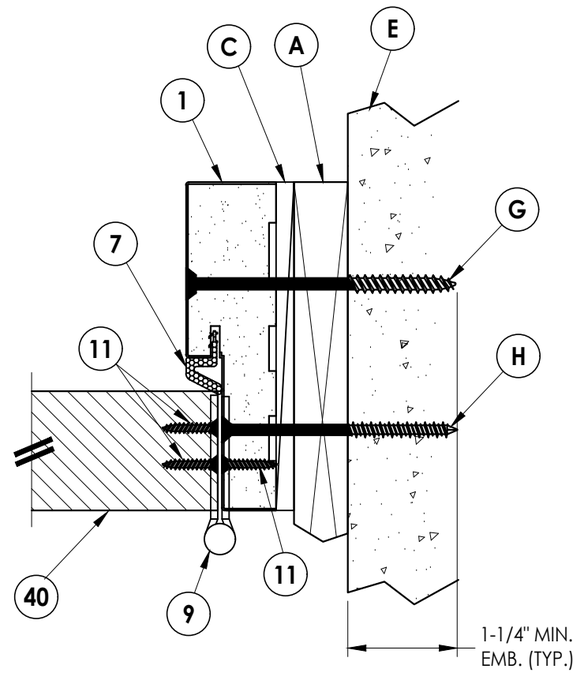
2/3 ***HORIZONTAL CROSS SECTION***
Outswing threshold



3/3 ***HORIZONTAL CROSS SECTION***
Outswing



4/3 ***HORIZONTAL CROSS SECTION***
Outswing



5/3 ***HORIZONTAL CROSS SECTION***
Shown w/1X sub-buck

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PRODUCT: *ALUMINUM ASTRAGAL DLP*

PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS*

REVISIONS

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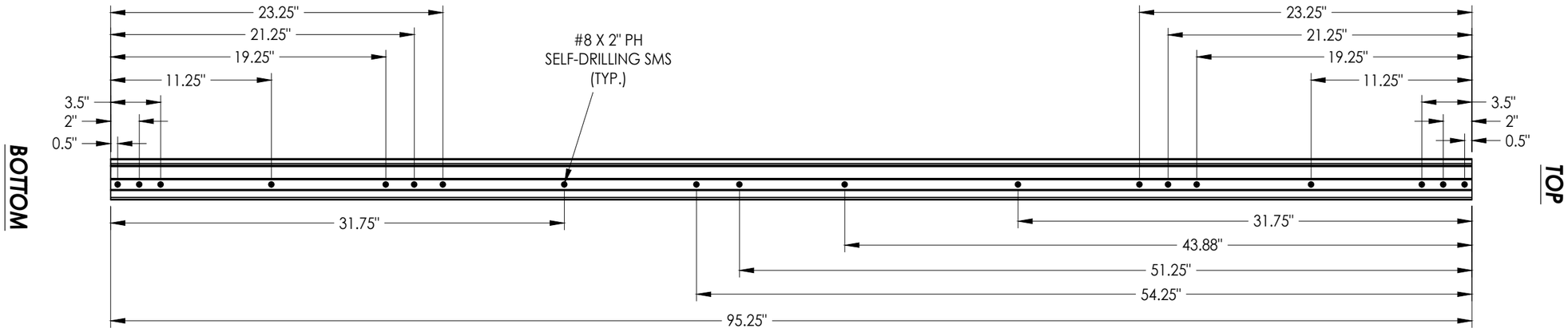
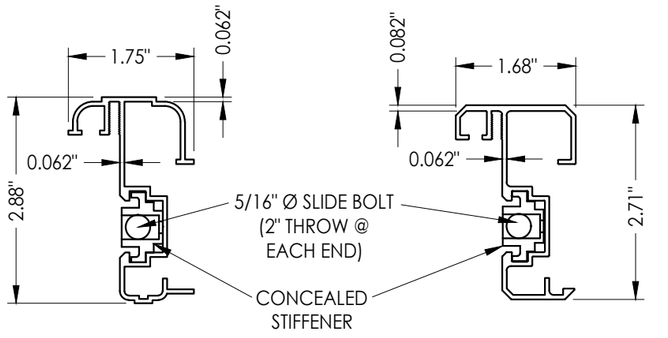
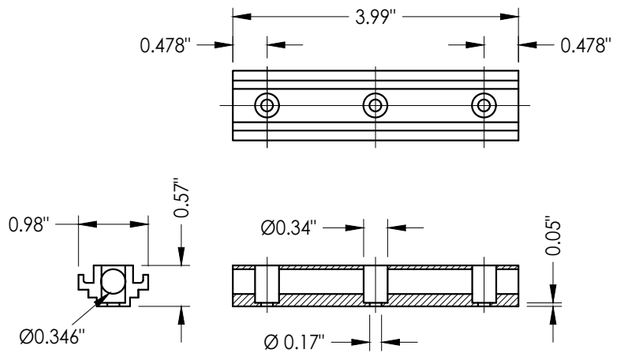


ASTRAGAL SCREW LOCATIONS

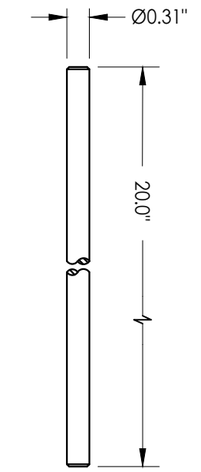


60 ***ALUMINUM ASTRAGAL***
DLP

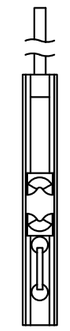
61 ***ALUMINUM ASTRAGAL***
DLP (FLAT PROFILE)



CONCEALED STIFFENER
ALUMINUM



ALUMINUM SLIDE BOLT ROD
(TYP. @ TOP & BOTTOM w/ 2" THROW)



ALUMINUM SLIDE BOLT ACTUATOR
(TYP. @ TOP & BOTTOM)

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PRODUCT: *ALUMINUM ASTRAGAL DLP*

PART OR ASSEMBLY: *ALUMINUM ASTRAGAL DETAILS*

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3	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
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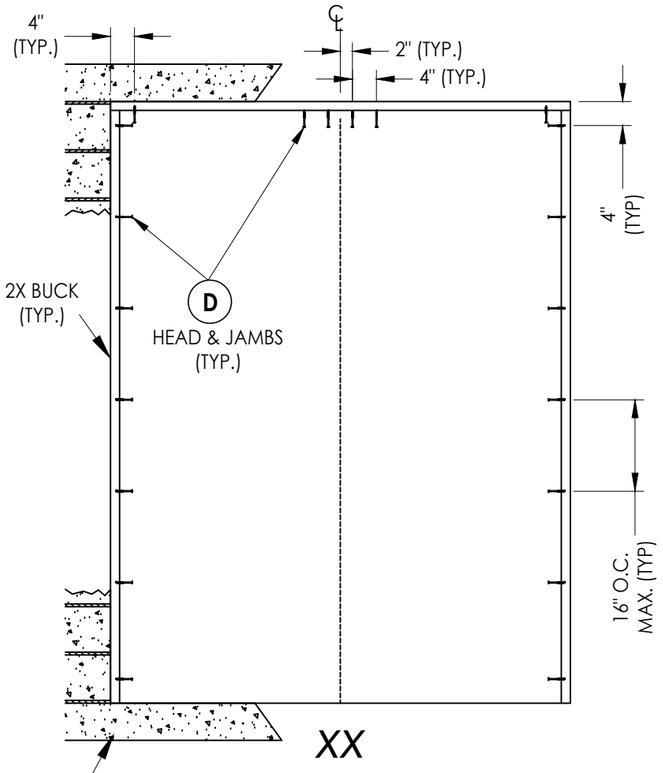

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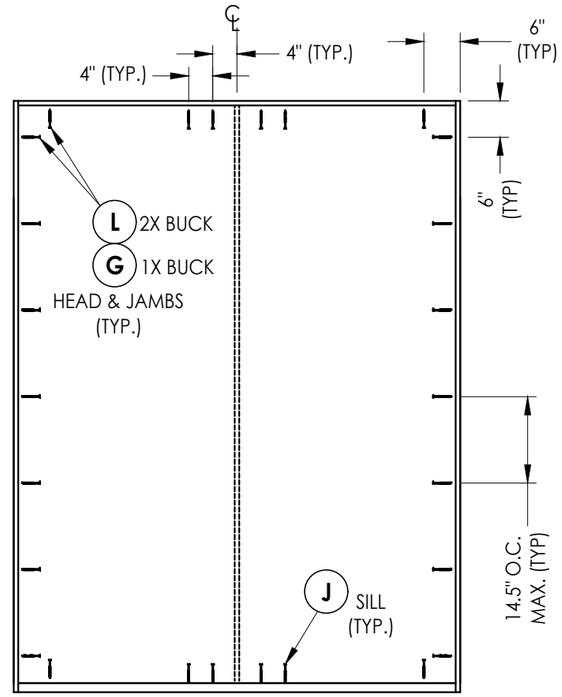
BUCK ANCHORING



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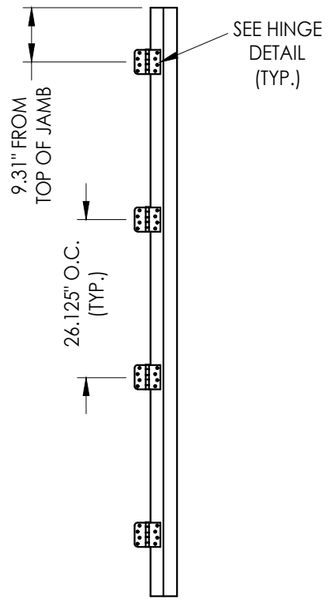
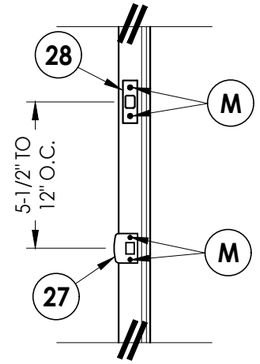
FRAME ANCHORING



HINGE JAMB



LATCH & DEAD BOLT DETAIL

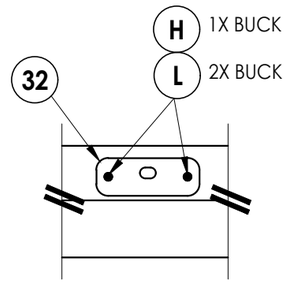
CONCRETE ANCHOR NOTES:

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:*

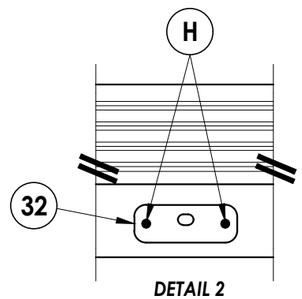
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

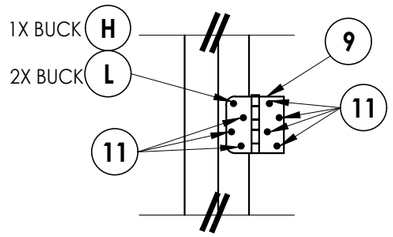
1. *Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.*



DETAIL 1
ASTRAGAL STRIKE PLATE @ HEAD



DETAIL 2
ASTRAGAL STRIKE PLATE @ SILL
OUTSWING



HINGE DETAIL
OUTSWING

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FBPE Registry No. 9813

PRODUCT: *DLP ALUMINUM ASTRAGAL*

PART OR ASSEMBLY: *BUCK & FRAME ANCHORING*

NO.	DATE	REVISIONS	BY
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	3/04/25	ADD FLAT PROFILE ASTRAGAL	LFS
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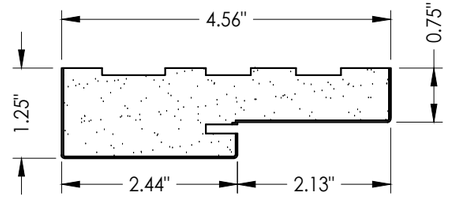
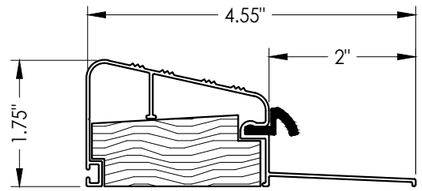
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	#8 X 1-1/2" PFH WOOD SCREW	STEEL
1	POLY FIBER JAMB	COMP
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
15	OUTSWING THRESHOLD	ALUM/WOOD
25	#12 X 1" PFH SELF DRILLING SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
32	ASTRAGAL STRIKE PLATE (1-3/16" X 3-1/4" X 0.075" THICK)	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
60	DLP ASTRAGAL	ALUM
61	DLP ASTRAGAL (FLAT PROFILE)	ALUM
62	#8 X 2" PPH SELF-DRILLING SMS	STEEL



1 **POLY FIBER JAMB**
Plastpro



15 **OUTSWING THRESHOLD**
DLP (QOSR)

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PRODUCT: DLP ALUMINUM ASTRAGAL

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	REVISIONS	BY
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