

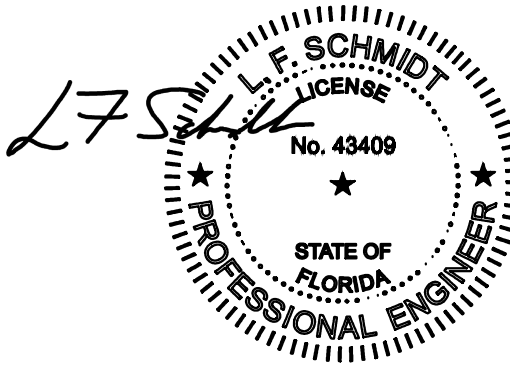


Utilizing a Fiberglass Door Panel

"IMPACT"

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. Inswing and ADA configurations do not meet the water infiltration requirements for the "HVHZ" and 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.
8. All steel shall be protected as specified in FBC Section 2222.6.
9. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

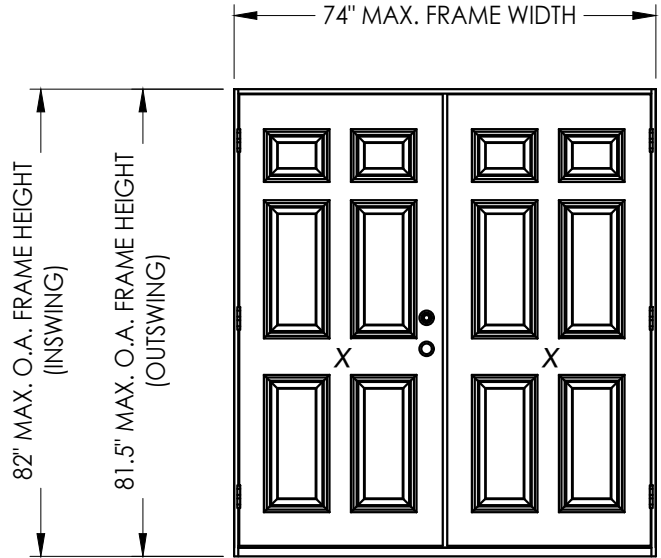
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SHEET#	DESCRIPTION
1	Typical Elevation, Design Pressures & General Notes
2	Elevation & Door Panel Details
3	Horizontal & Vertical Cross Sections
4	Aluminum Astragal Details
5	Buck & Frame Anchoring
6	Bill of Materials & Components



Digitally signed by Lyndon F
Schmidt
Date: 2026.07.02 16:41:57 -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



DOUBLE DOOR ELEVATION

DOOR PANEL	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POS.	NEG.	POS.	NEG.
PLASTPRO FIBERGLASS	74.0" x 82.0"	+50.0	-50.0	+50.0	-50.0

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: DLP ALUMINUM ASTRAGAL

PART OR ASSEMBLY:

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
NO.	DATE				
					REVISIONS

DATE: 6/07/22

SCALE: *N.T.S.*

DWG. BY: *LFS*

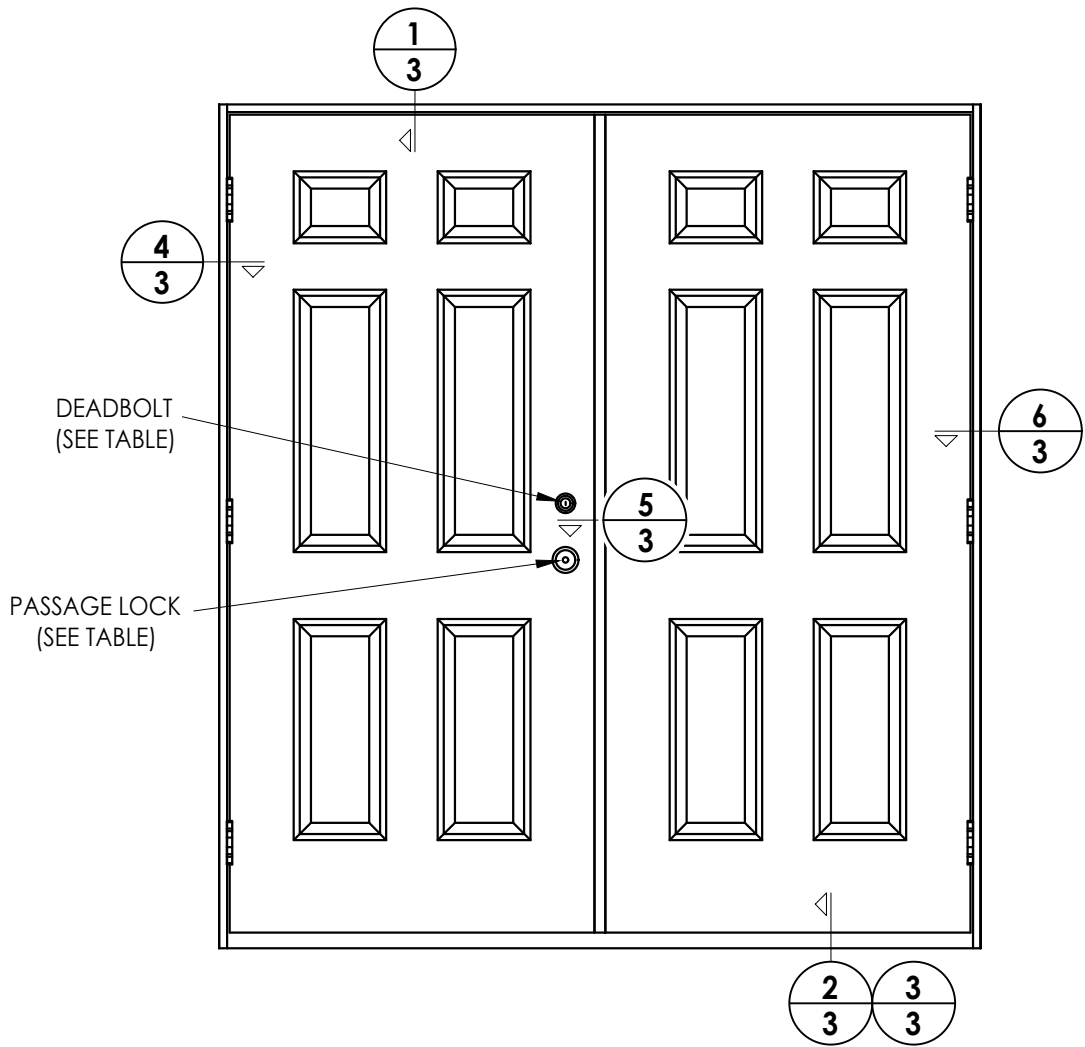
CHK. BY: RW

DRAWING NO.:
FL-14805.6

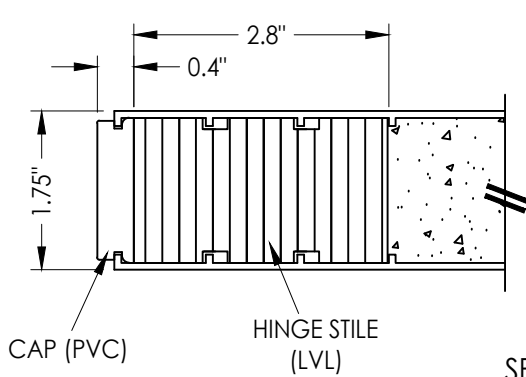
SHEET 1 OF 6

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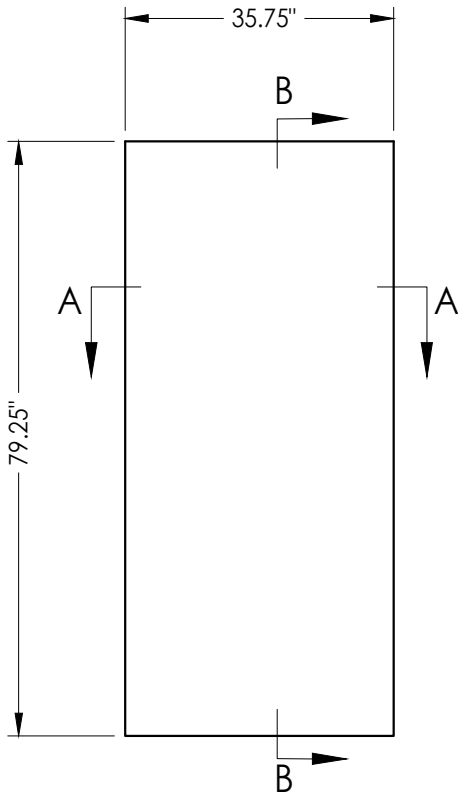
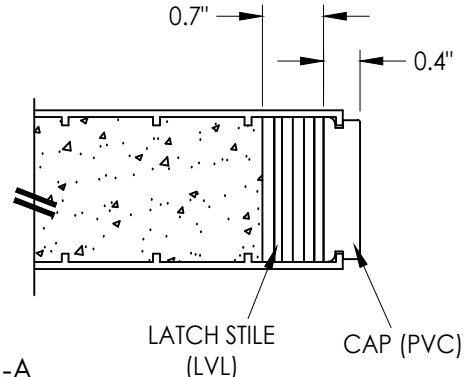
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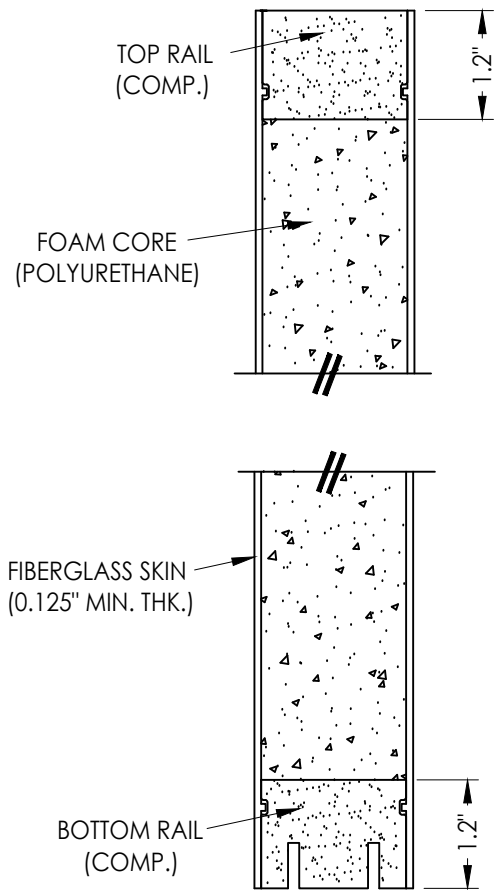
HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	"F" SERIES (F10)
	DEADBOLT:	"B" SERIES (B60/62)
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



SECTION A-A



FIBERGLASS DOOR PANEL
Plastpro 6' 8"



SECTION B-B

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PRODUCT: DLP
ALUMINUM ASTRAGAL

PART OR ASSEMBLY:
ELEVATION &
DOOR PANEL DETAILS

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

DATE: 6/07/22

SCALE: N.T.S.

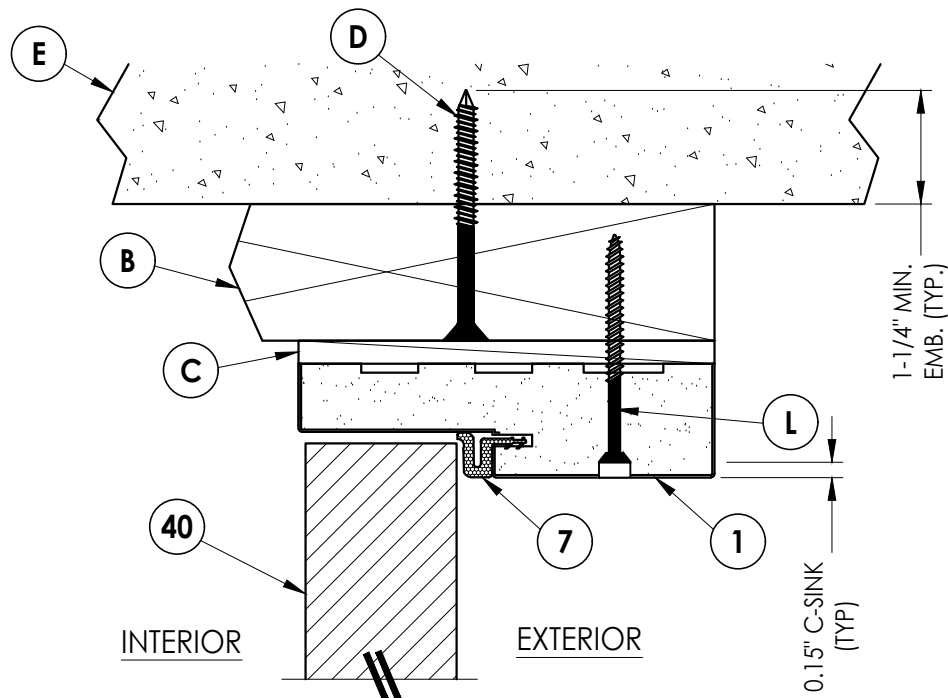
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CHK. BY: RW

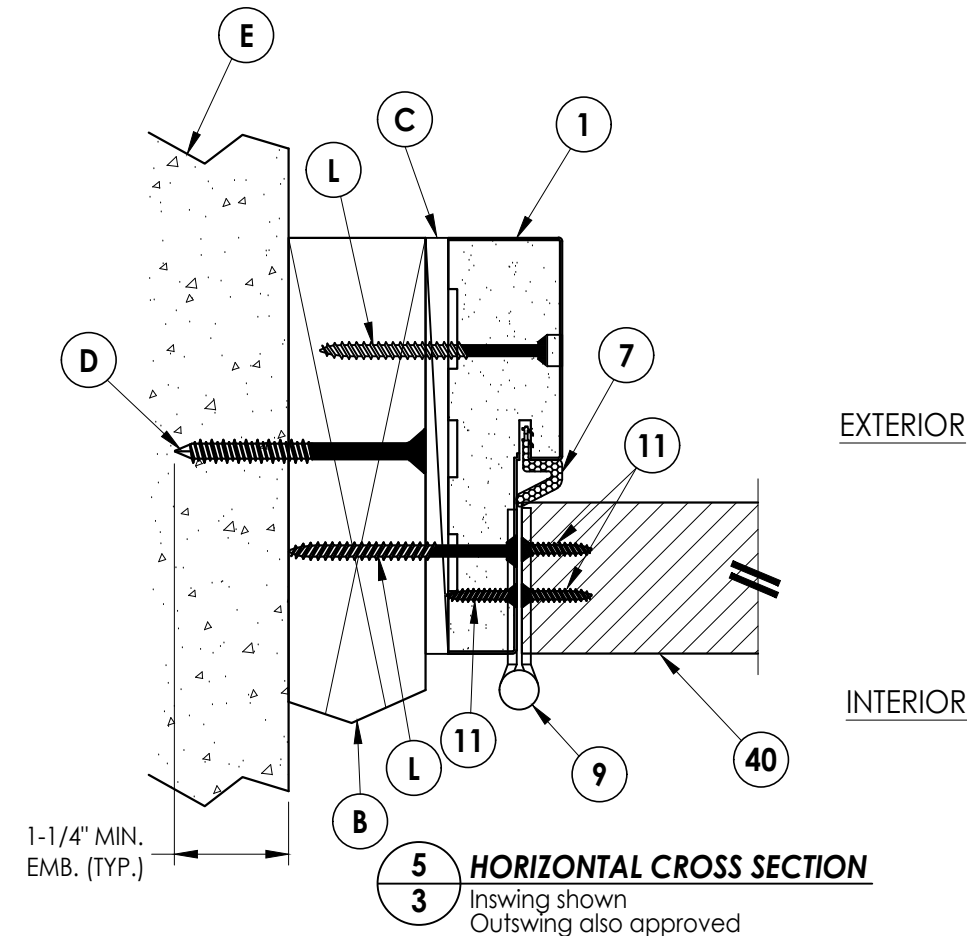
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FL-14805.6

SHEET 2 OF 6

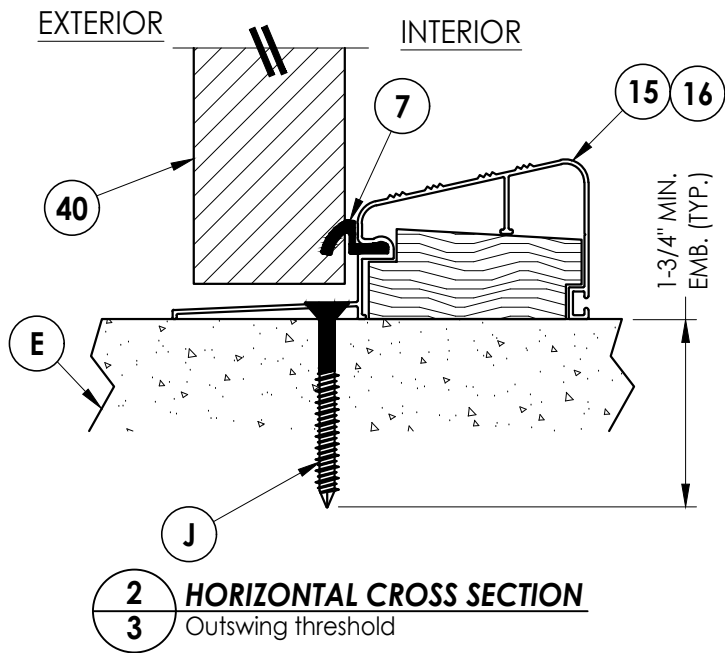
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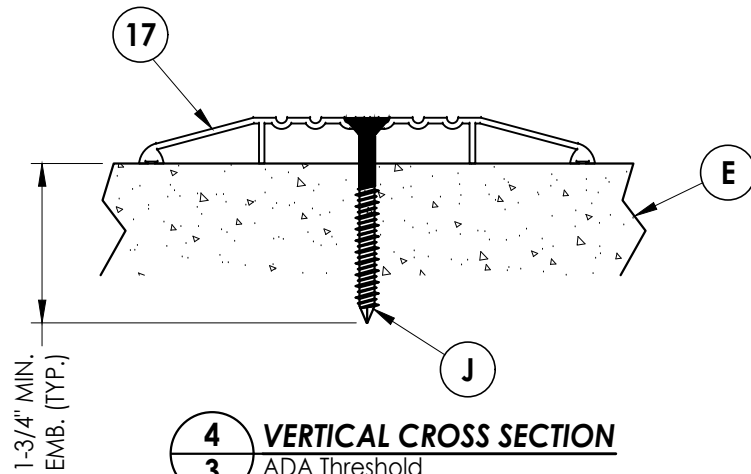
1
3 **VERTICAL CROSS SECTION**
Inswing shown
Outswing also approved



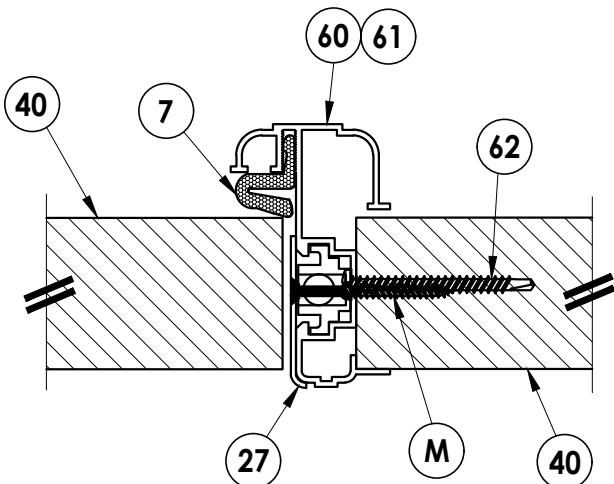
5
3 **HORIZONTAL CROSS SECTION**
Inswing shown
Outswing also approved



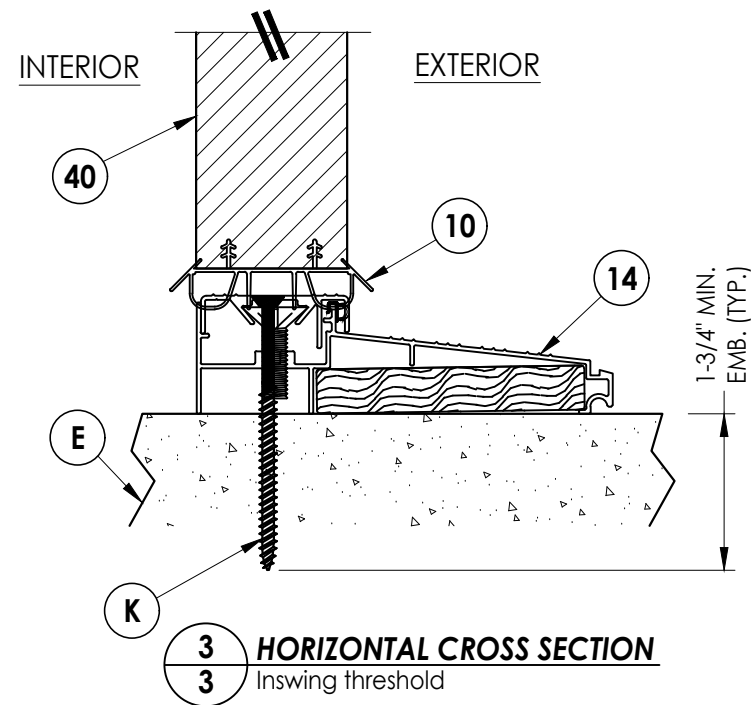
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3 **HORIZONTAL CROSS SECTION**
Outswing threshold



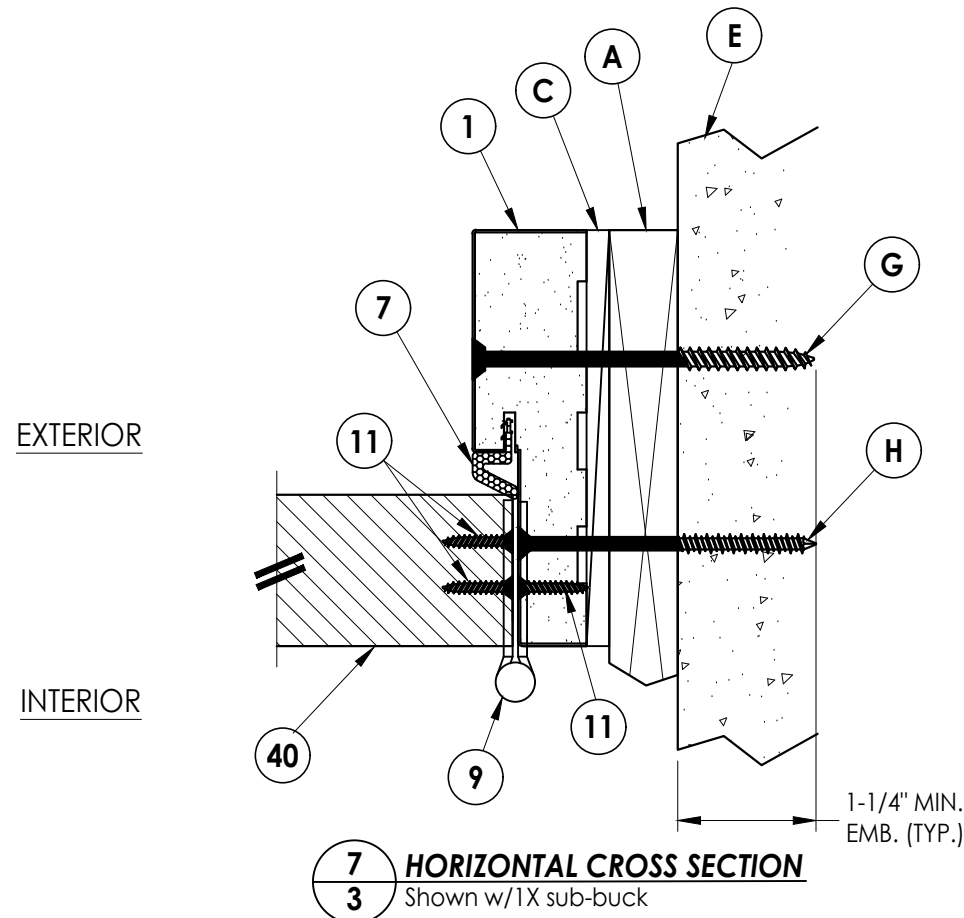
4
3 **VERTICAL CROSS SECTION**
ADA Threshold



6
3 **HORIZONTAL CROSS SECTION**
Inswing shown
Outswing also approved



3
3 **HORIZONTAL CROSS SECTION**
Inswing threshold



7
3 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck

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PRODUCT: DLP
ALUMINUM ASTRAGAL

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

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.

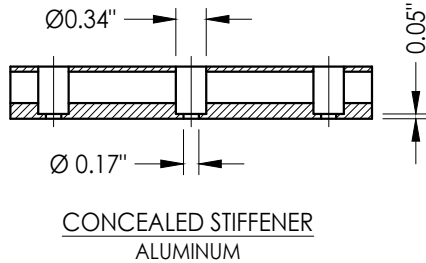
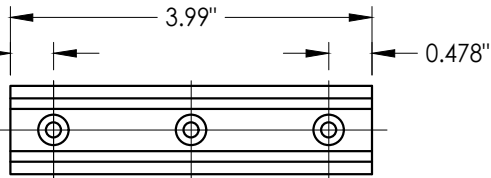
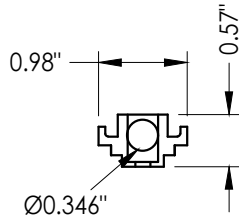
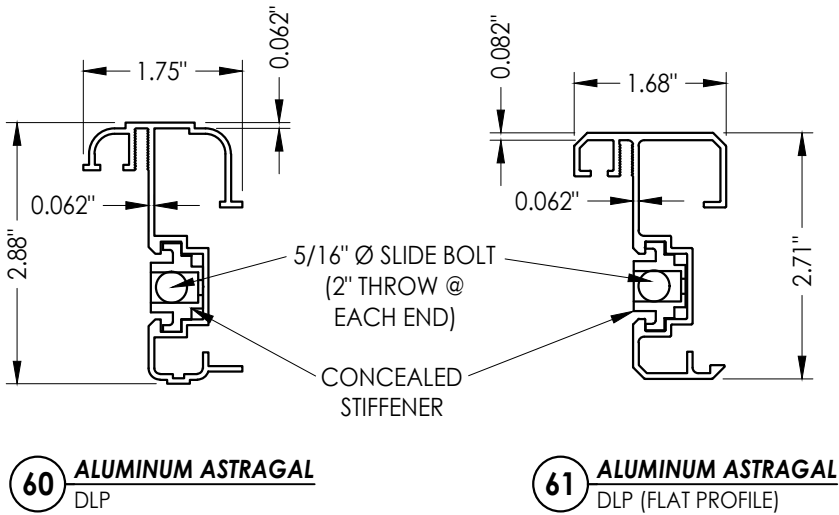
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FL-14805.6

SHEET 3 OF 6

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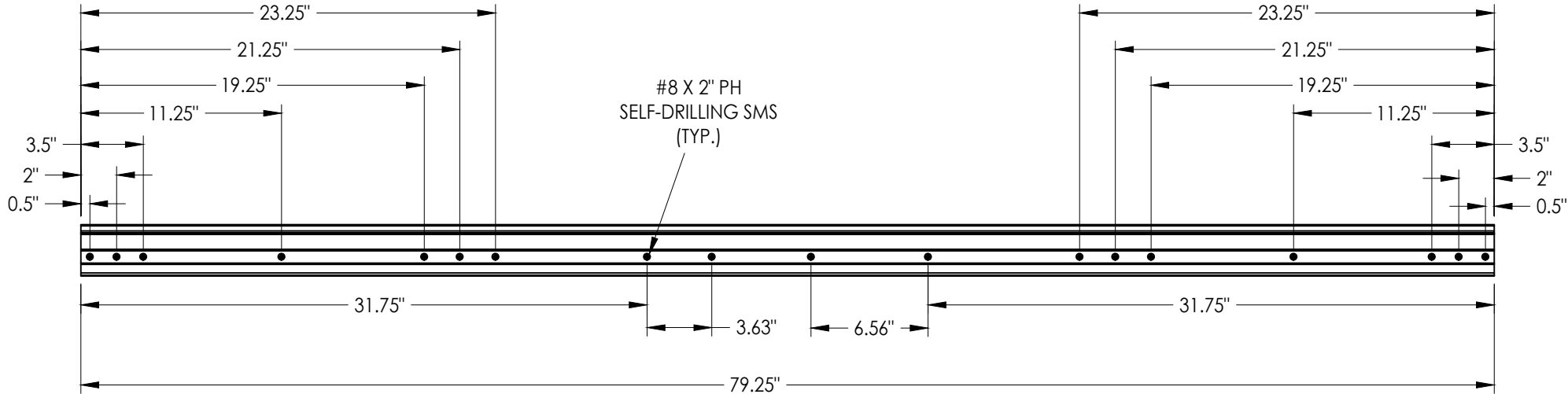


ALUMINUM SLIDE BOLT ROD
(TYP. @ TOP & BOTTOM w/ 2" THROW)

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



BOTTOM



TOP

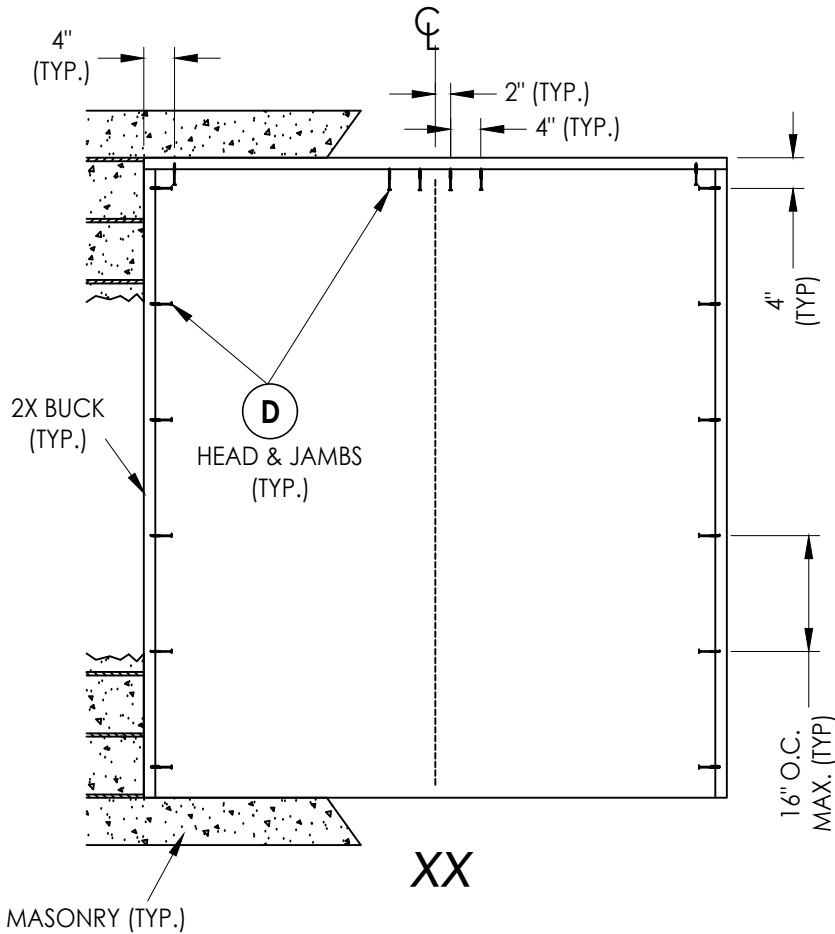
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CHK. BY:	RW
DRAWING NO.:	FL-14805.6
SHEET	4 OF 6

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

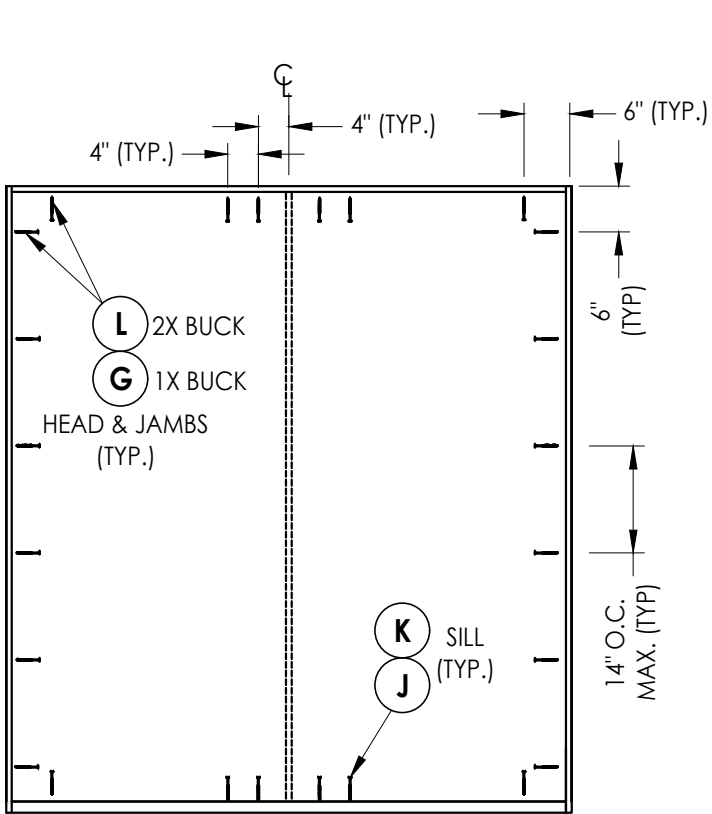
PRODUCT:	DLP ALUMINUM ASTRAGAL
PART OR ASSEMBLY:	ALUMINUM ASTRAGAL DETAILS

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

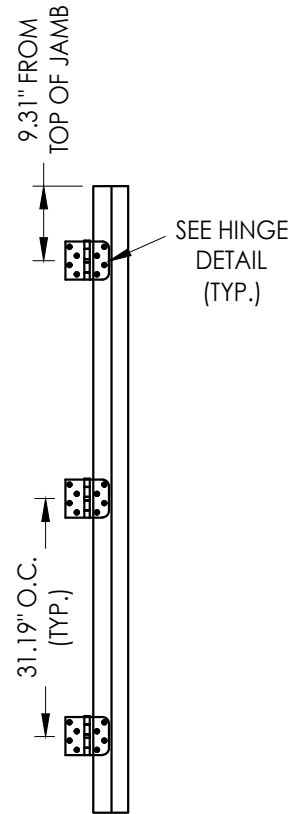
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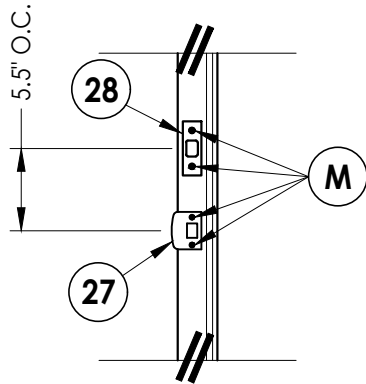
BUCK ANCHORING



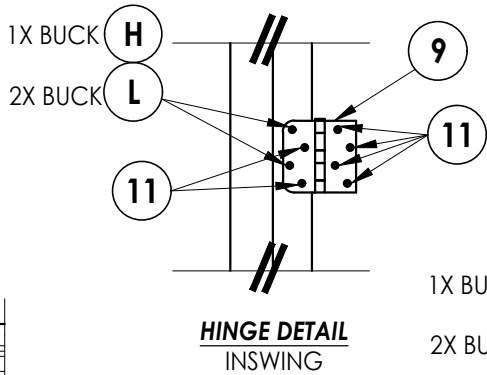
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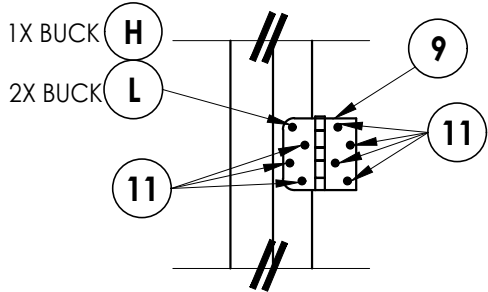
HINGE JAMB



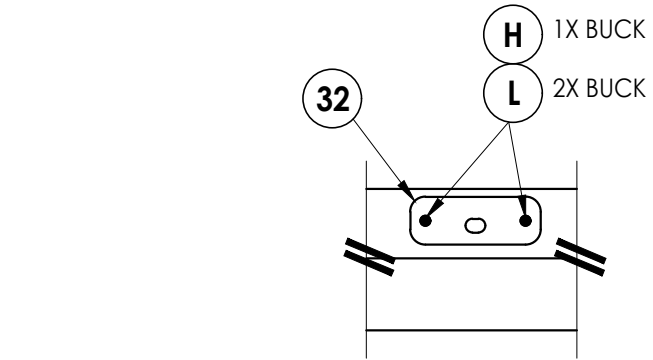
LATCH & DEADBOLT DETAIL



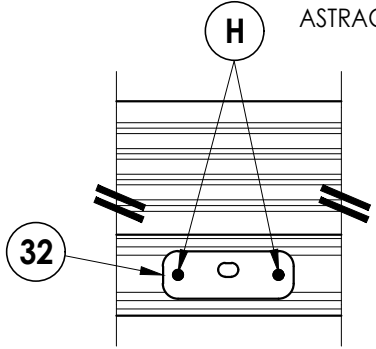
**HINGE DETAIL
INSWING**



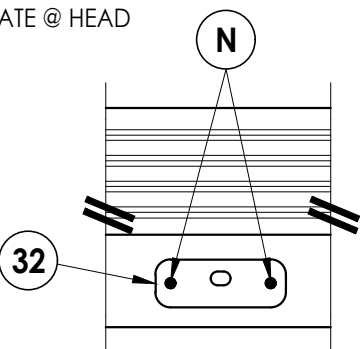
**HINGE DETAIL
OUTSWING**



**DETAIL 1
ASTRAGAL STRIKE PLATE @ HEAD**



**DETAIL 2
ASTRAGAL STRIKE PLATE @ SILL
INSWING**



**DETAIL 2
ASTRAGAL STRIKE PLATE @ SILL
OUTSWING SHOWN/ADA SIMILAR**

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"
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:
DLP
ALUMINUM ASTRAGAL

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

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

DATE: 8/29/11

SCALE: N.T.S.

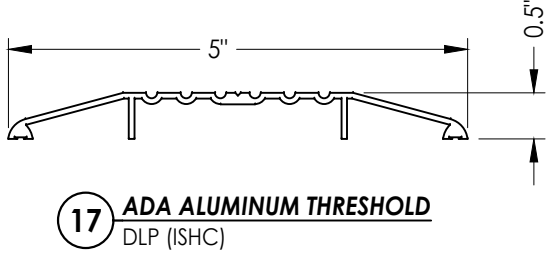
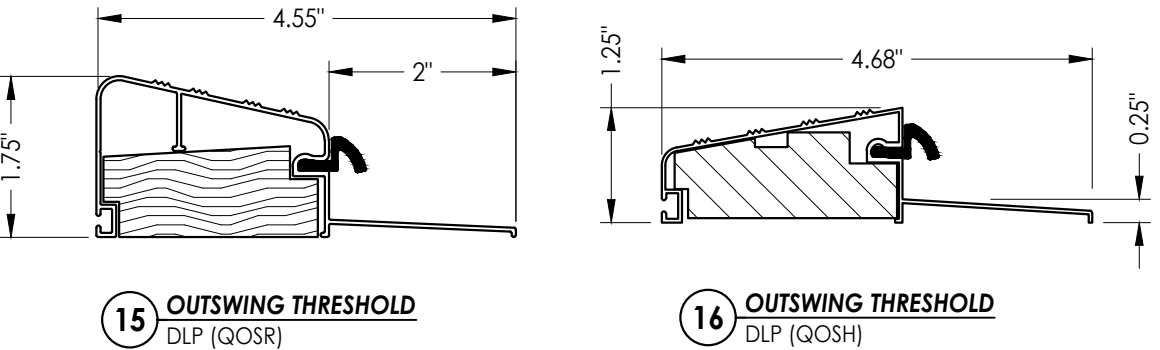
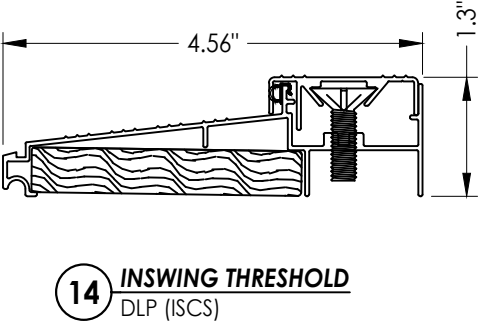
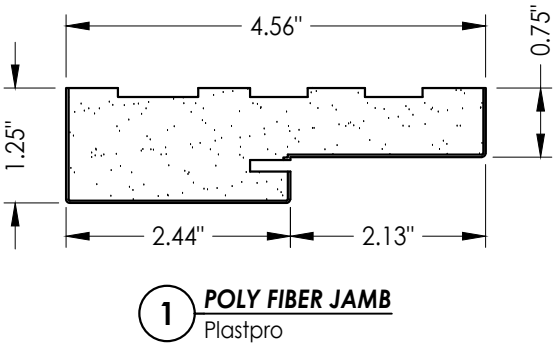
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-14805.6

SHEET 5 OF 6

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
K	1/4" X 3-1/4" 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
N	3/16" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	POLY FIBER JAMB	COMP
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
10	DOOR SWEEP	VINYL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
14	INSWING THRESHOLD	ALUM/WOOD
15	OUTSWING THRESHOLD	ALUM/WOOD
16	OUTSWING THRESHOLD	ALUM/COMP
17	ADA THRESHOLD	ALUM
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

[illegible]