

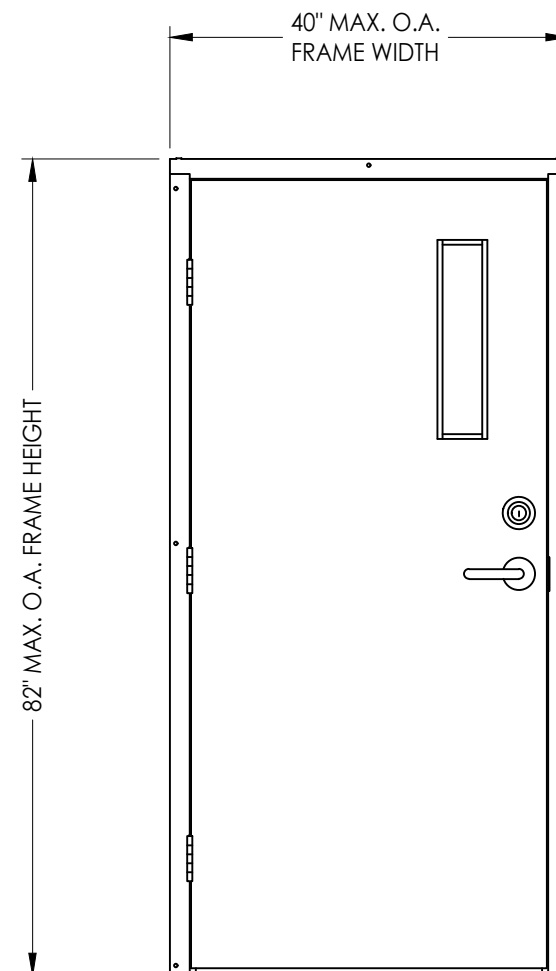
400 Zenway Blvd. Unit #1
Woodbridge, ON L4H 0S7

**LS20 STEEL DOOR w/ VISION LITE
w/ MODULAR FRAME ADAPTION
OUTSWING
"NON-IMPACT"**

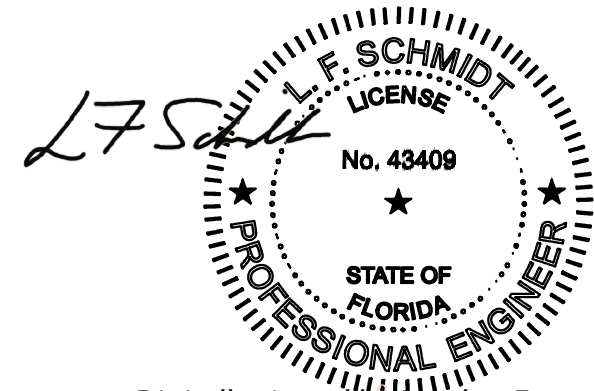
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Elevation & Horizontal cross sections
4	Vertical cross sections
5	Frame anchoring
6	Bill of materials & components



MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
40.0" X 82.0"	+60.0	-60.0



Digitally signed by Lyndon F Schmidt

Date: 2026.08.17 15:27:48 -04'00'

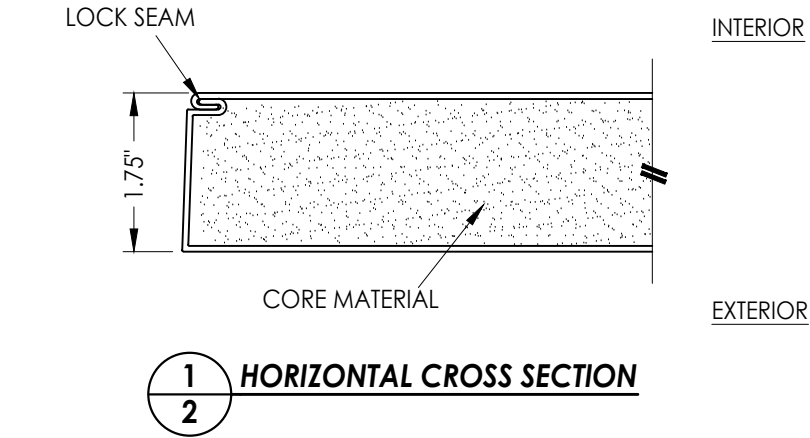
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

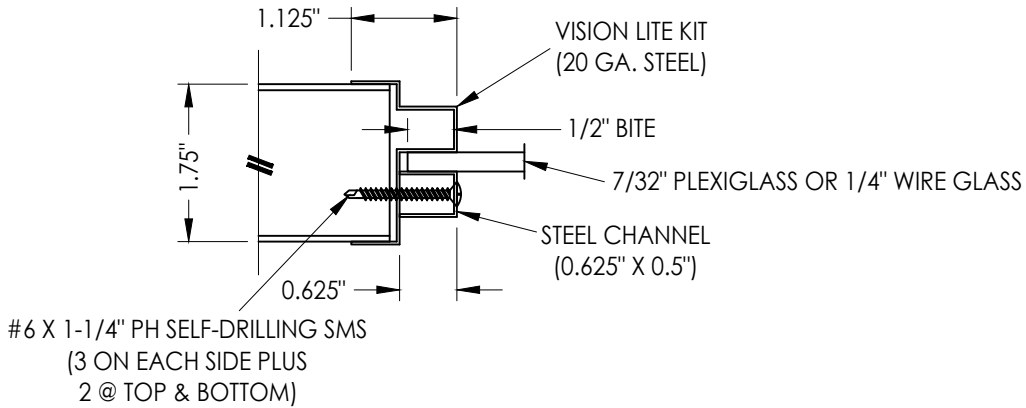
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: VISION HOLLOW METAL		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/05/23	UPDATE TO 8TH ED. (2023)	FBC LFS
NO.	DATE		BY
REVISIONS			
DATE: 10/11/22			
SCALE: N.T.S.			
DWG. BY:		LFS	
CHK. BY:		RW	
DRAWING NO.: FL-19036.9			
SHEET 1 OF 6			

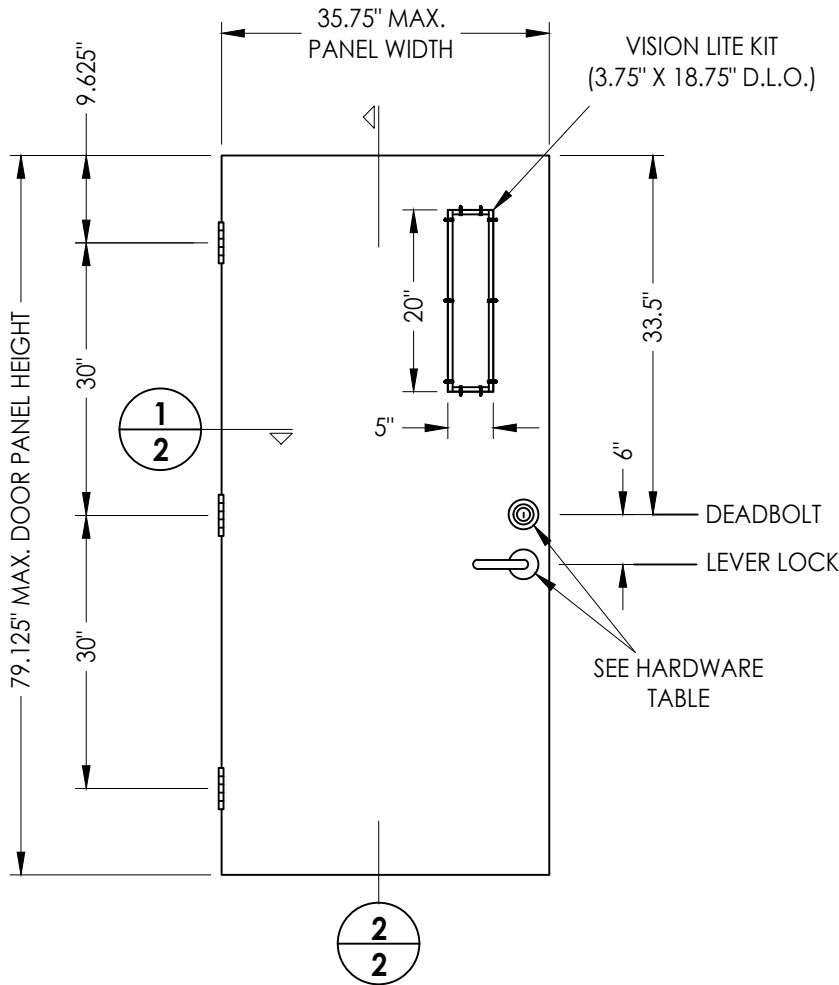
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1
2 **HORIZONTAL CROSS SECTION**

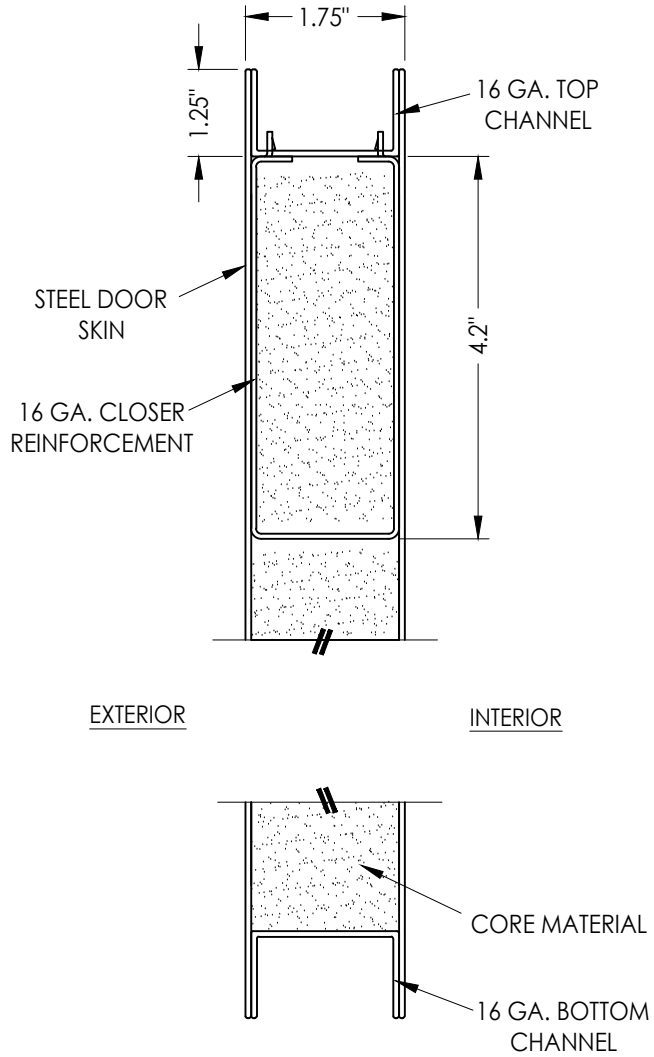


P1 **VISION LITE KIT w/ PLEXIGLASS DETAIL**



40 **VISION HOLLOW METAL DOOR PANEL**
6'-8" Door w/ Cylindrical Lock & Deadbolt

HARDWARE TABLE	
MANUFACTURER	MODEL
DOREX	LEVER LOCK: F SERIES - GRADE 2 DEADBOLT: TLA SERIES - GRADE 2
PDQ	LEVER LOCK: SD SERIES - GRADE 2 DEADBOLT: KM SERIES - GRADE 2

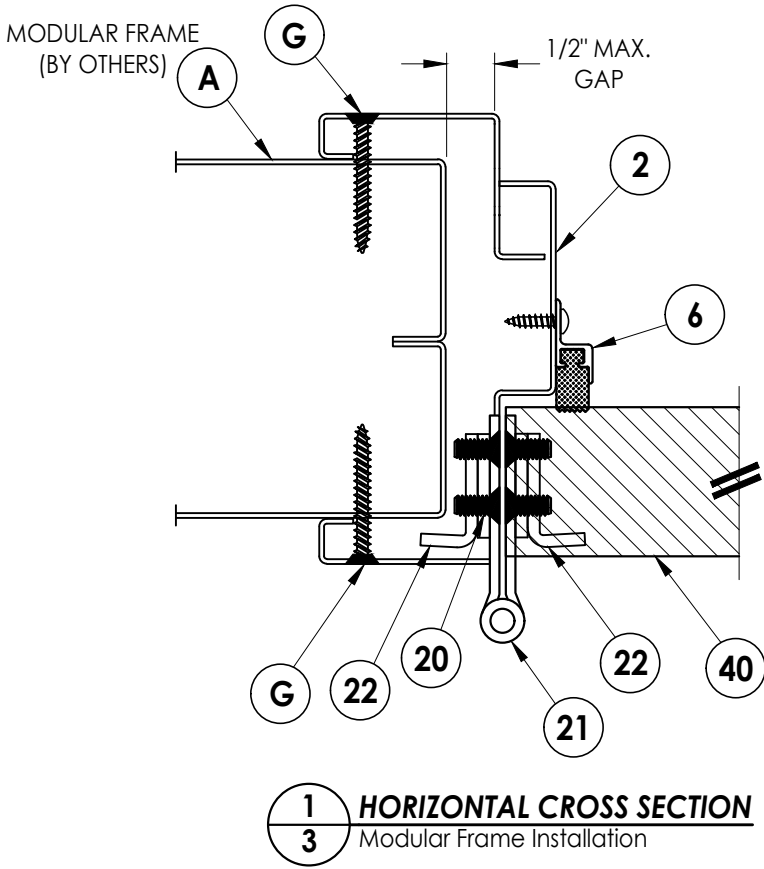
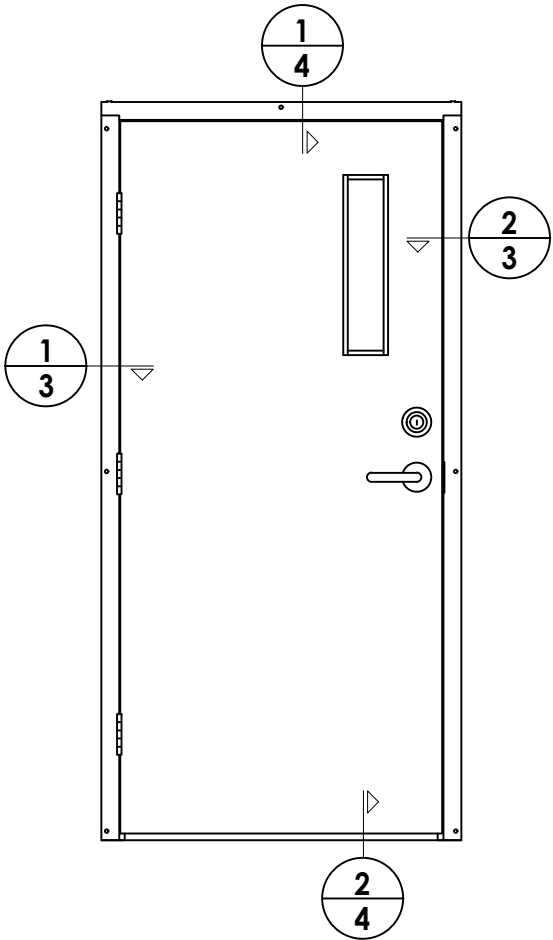


2
2 **VERTICAL CROSS SECTION**

STEEL DOOR SKIN: 20 GA. (MIN. 0.032" THK.) GALV. STEEL
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

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PRODUCT: VISION HOLLOW METAL		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	REVISIONS
		FBC	
2	7/02/26	UPDATE TO 9TH ED. (2026)	
1	7/05/23	UPDATE TO 8TH ED. (2023)	
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DATE: 10/11/22			
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DRAWING NO.: FL-19036.9			
SHEET 2 OF 6			

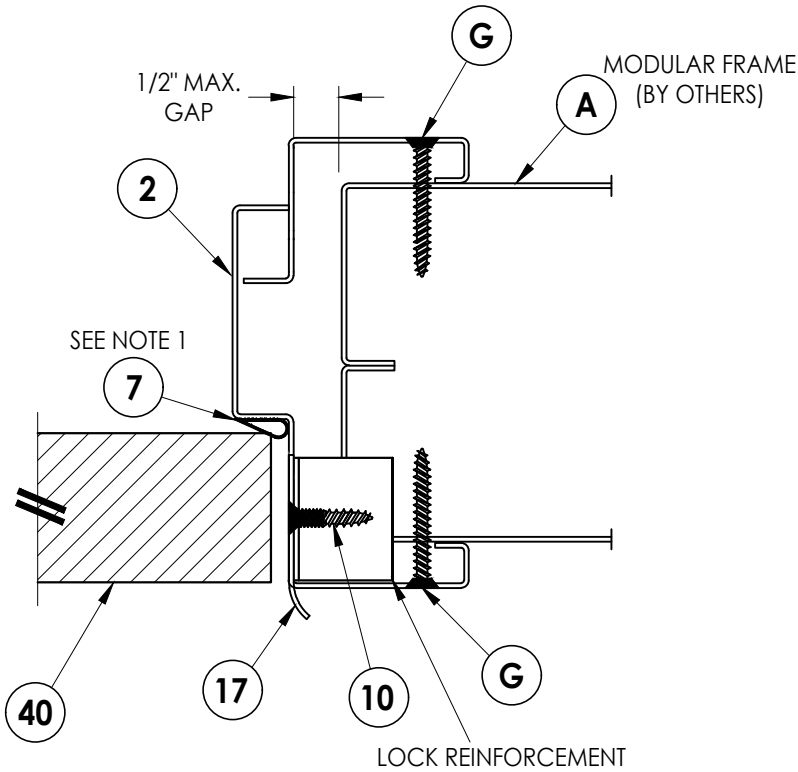
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1 HORIZONTAL CROSS SECTION
3 Modular Frame Installation

INTERIOR

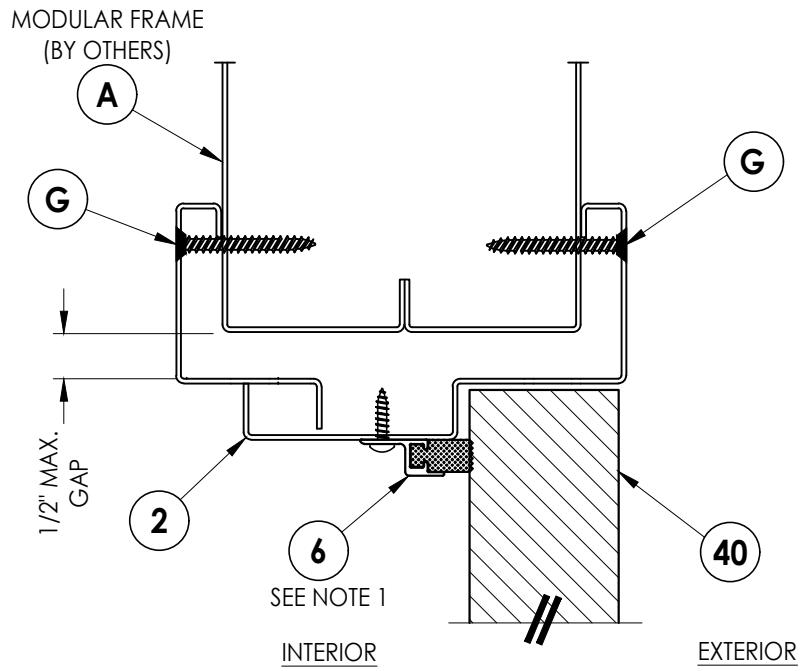
EXTERIOR



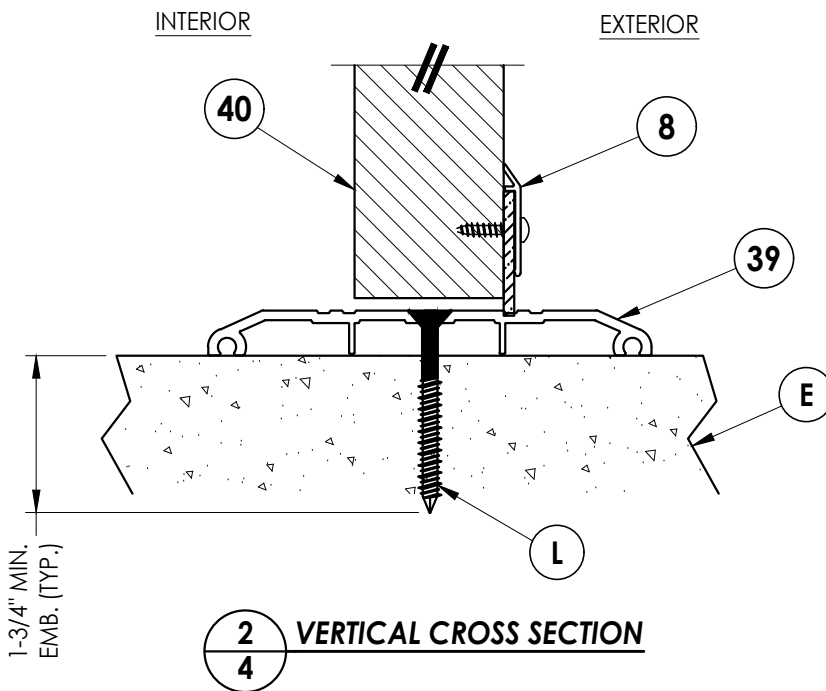
2 HORIZONTAL CROSS SECTION
3 Modular Frame Installation

NOTE:
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP

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PRODUCT: VISION HOLLOW METAL				PART OR ASSEMBLY: ELEVATION & HORIZONTAL CROSS SECTIONS			
				LFS	FBC	REVISIONS	
				2	7/02/26	UPDATE TO 9TH ED. (2026)	
				1	7/05/23	UPDATE TO 8TH ED. (2023)	
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DRAWING NO.: FL-19036.9							
SHEET 3 OF 6							



1 4 VERTICAL CROSS SECTION



2 VERTICAL CROSS SECTION
4

NOTE:
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP

[illegible]

PRODUCT: VISION HOLLOW METAL	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS
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Lyndon F. Schmidt
P.E. No. 43409

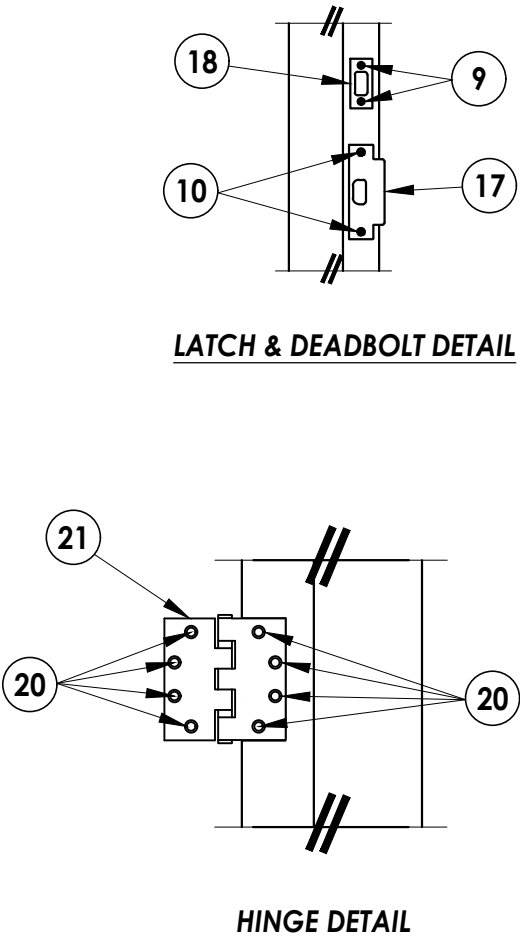
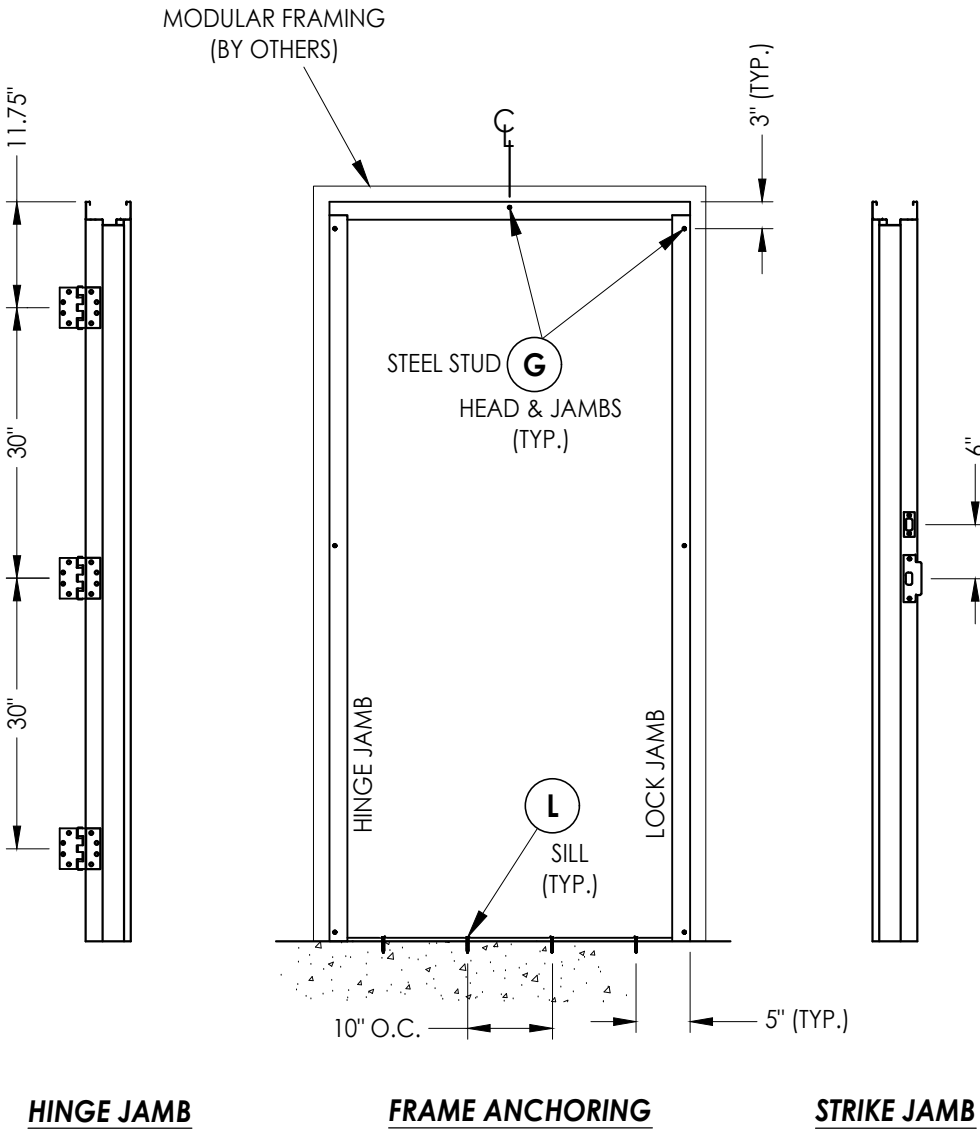
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CONCRETE ANCHOR NOTES:

1. Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
2. Concrete anchor table:

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"

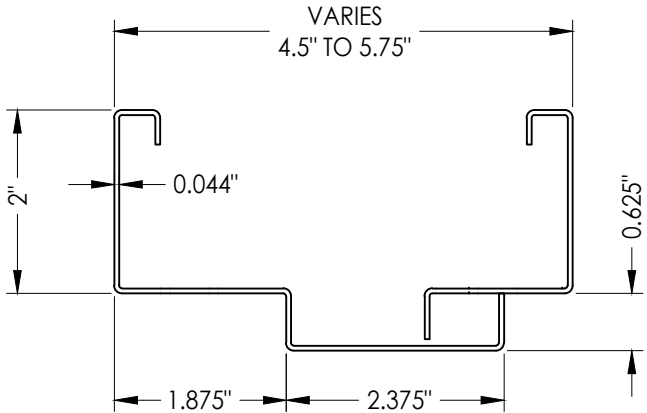


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				2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
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SHEET 5 OF 6							

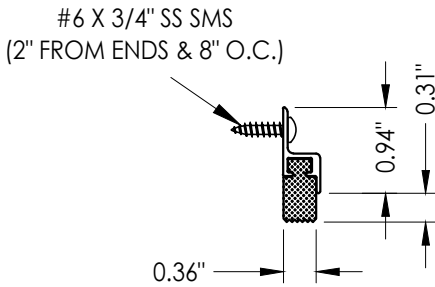
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	STEEL CHANNEL (16 GA. - 0.054" THICK)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
G	#10 X 1-1/2" FH SMS	STEEL
L	1/4" X 2-1/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
2	ADJUSTABLE (4.5" TO 5.75") METAL FRAME (18 GA.)	STEEL
6	PERIMETER SEAL (NGP 165 N-S)	-
7	FRAME WEATHERSTRIP (HAGER 875S)	-
8	DOOR SWEEP (NGP 200 N-S)	-
9	#8-32 X 3/4" COMB. MACHINE/WOOD SCREW	STEEL
10	#12-24 X 3/4" COMB. MACHINE/WOOD SCREW	STEEL
17	LATCH STRIKE PLATE	STEEL
18	DEADBOLT STRIKE PLATE	STEEL
20	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
21	4-1/2" X 4-1/2" X HINGE (PDQ OR CANAROPA)	STEEL
22	HINGE REINFORCEMENT (10 GA.)	STEEL
39	ADA THRESHOLD	ALUM
40	DOOR PANEL	-

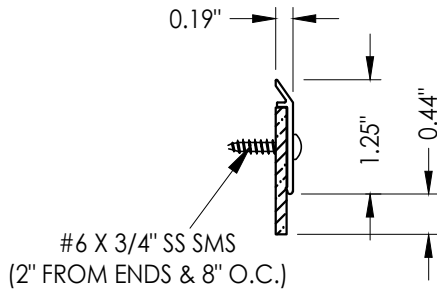
CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



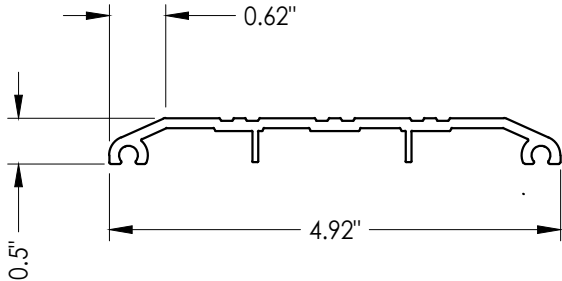
2 ADJUSTABLE METAL FRAME
18 GA.



6 PERIMETER SEAL
NGP 165 N-S



8 DOOR SWEEP
NGP 200 N-S



39 ADA THRESHOLD
NGP 425E

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		FBC	
		FBC	
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SHEET 6 OF 6			