

Vision Hollow Metal Limited

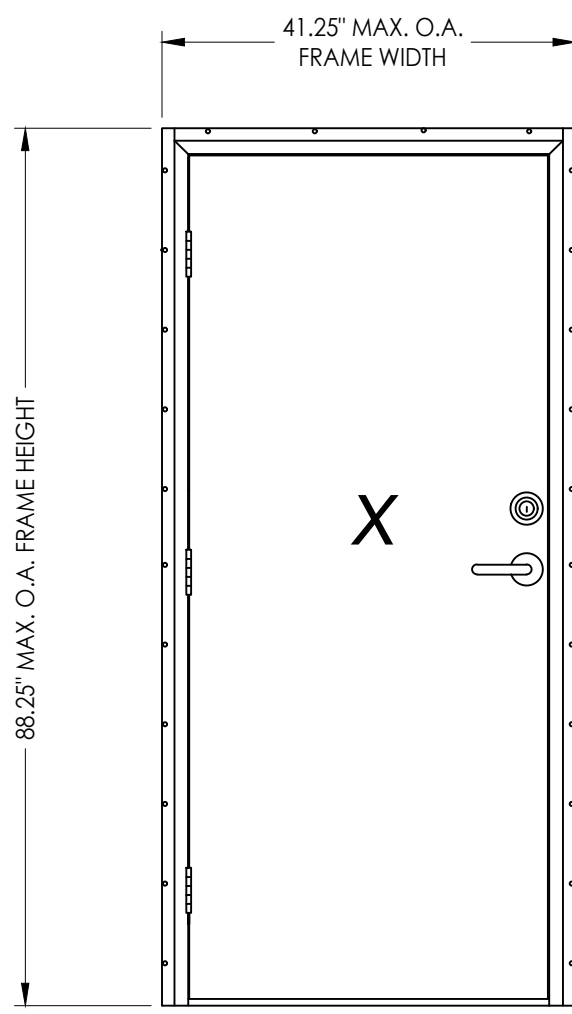
400 Zenway Blvd. Unit #1
Woodbridge, ON L4H OS7

LS20 STEEL DOOR
in a
16 GA. HOLLOW METAL FRAME
w/ NAILING FLANGE
OUTSWING
"IMPACT"

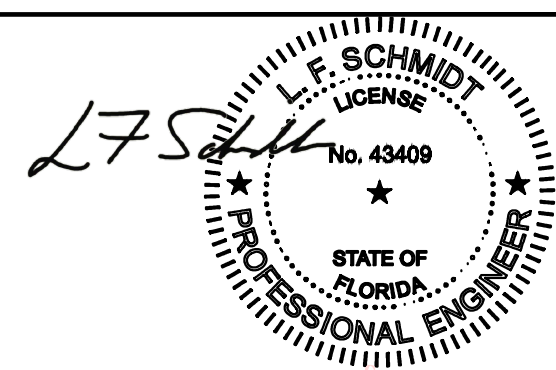
GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements 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 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 3 as defined in ASTM E 1996.
- 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
41.25" X 88.25"	+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2026.08.17 14:36:14 -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

PRODUCT:
VISION HOLLOW METAL

PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

DATE: 01/26/23

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41892.1

SHEET 1 OF 6

27/02/26 UPDATE TO 9TH ED. (2026) FBC LFS

17/05/23 UPDATE TO 8TH ED. (2023) FBC LFS

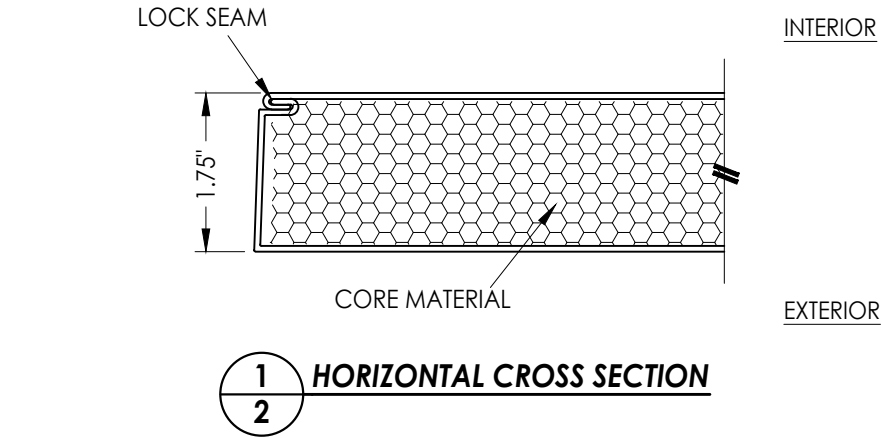
NO. DATE

REVISIONS

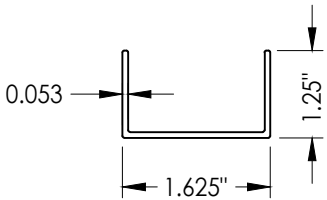
© 2023 R.W. BUILDING CONSULTANTS INC.

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

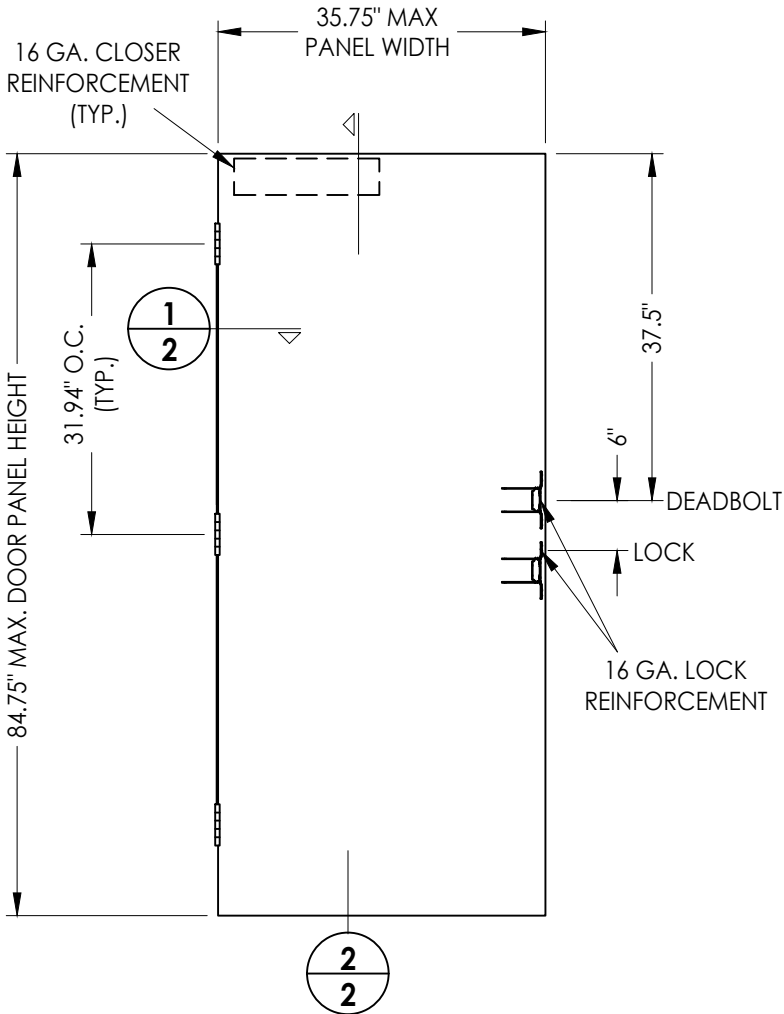
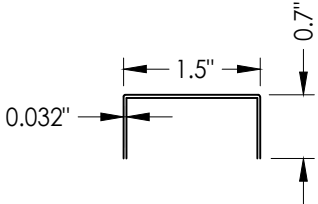
Z:\2023 FBC Drawings\Vision Hollow Metal\FL-41892 R2\FL-41892.1.dwg



2A **END CHANNEL**
16 GA. GALV. STEEL



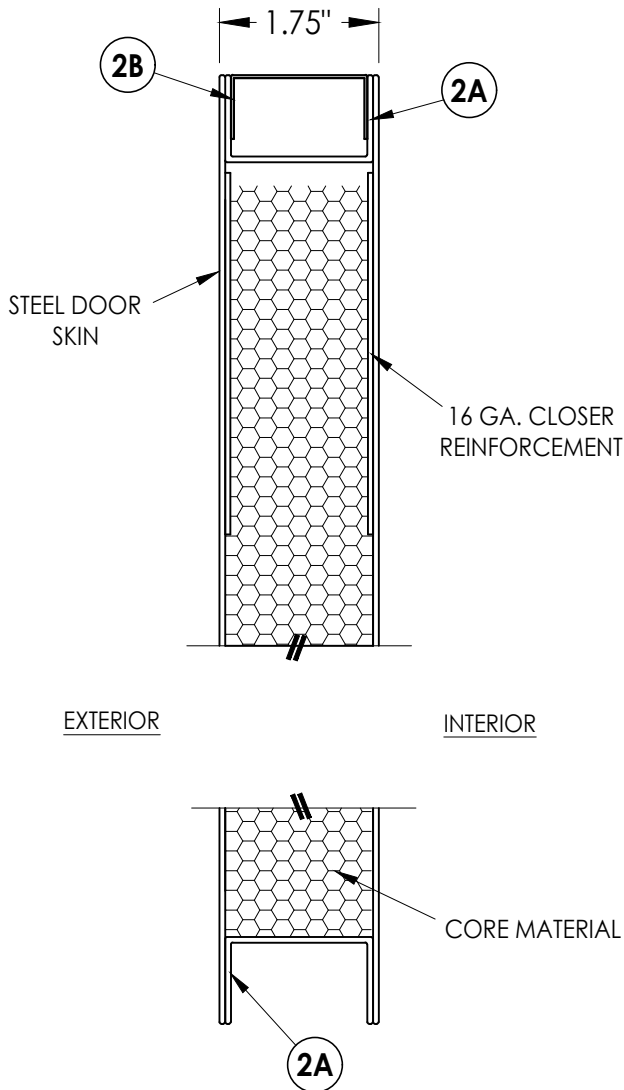
2B **TOP CHANNEL**
20 GA. GALV. STEEL



40 **OPAQUE DOOR PANEL**
7'-0" Door w/ Cylindrical Lock & Deadbolt

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

HARDWARE TABLE	
MANUFACTURER	MODEL
HAGER	LEVER: 2500 SERIES - GRADE 2 DEADBOLT: 3200 SERIES - GRADE 2



2
2 **VERTICAL CROSS SECTION**

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:
VISION HOLLOW METAL

PART OR ASSEMBLY:

DOOR
PANEL DETAILS

REVISIONS	
NO.	DATE
2	7/02/26
1	7/05/23

DATE: 01/26/23

SCALE: N.T.S.

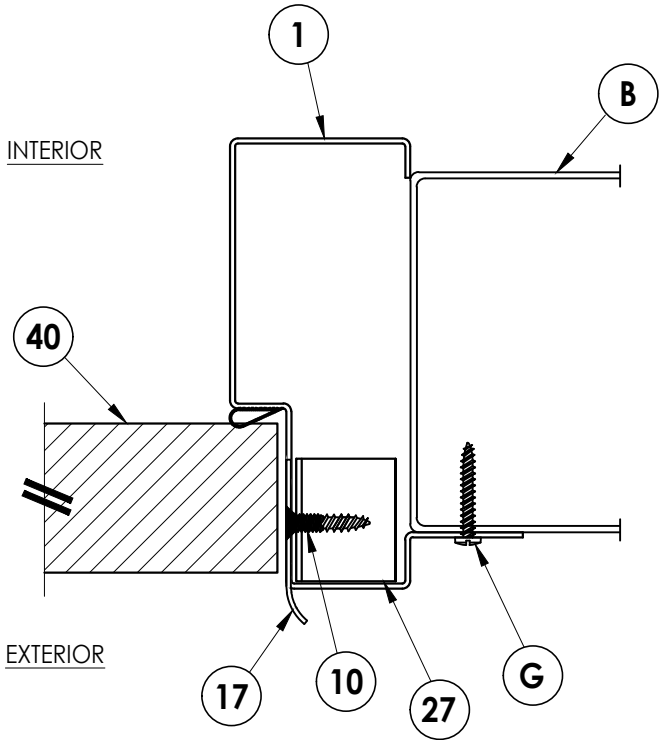
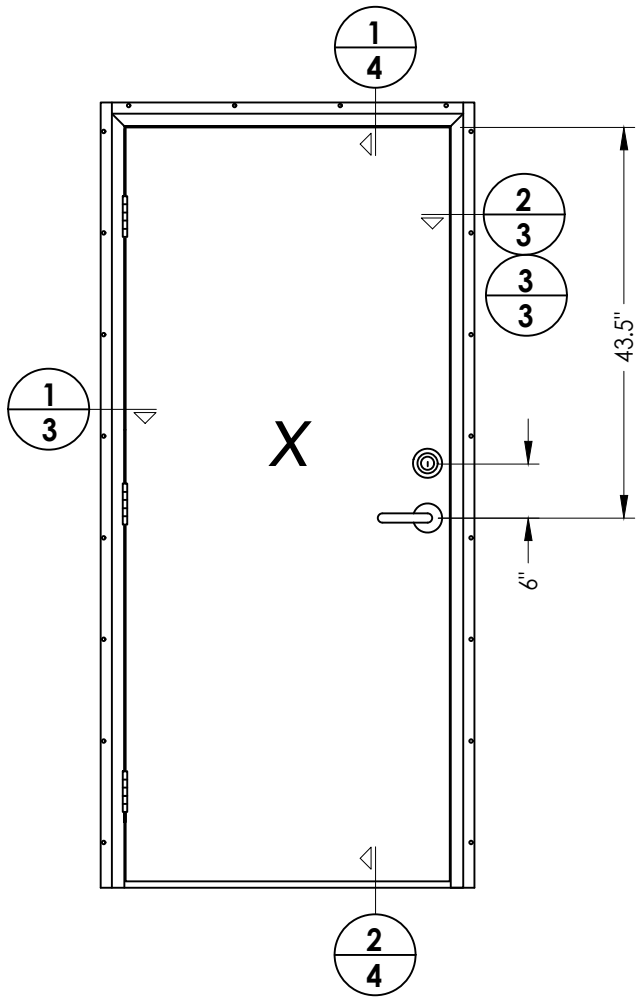
DWG. BY: LFS

CHK. BY: RW

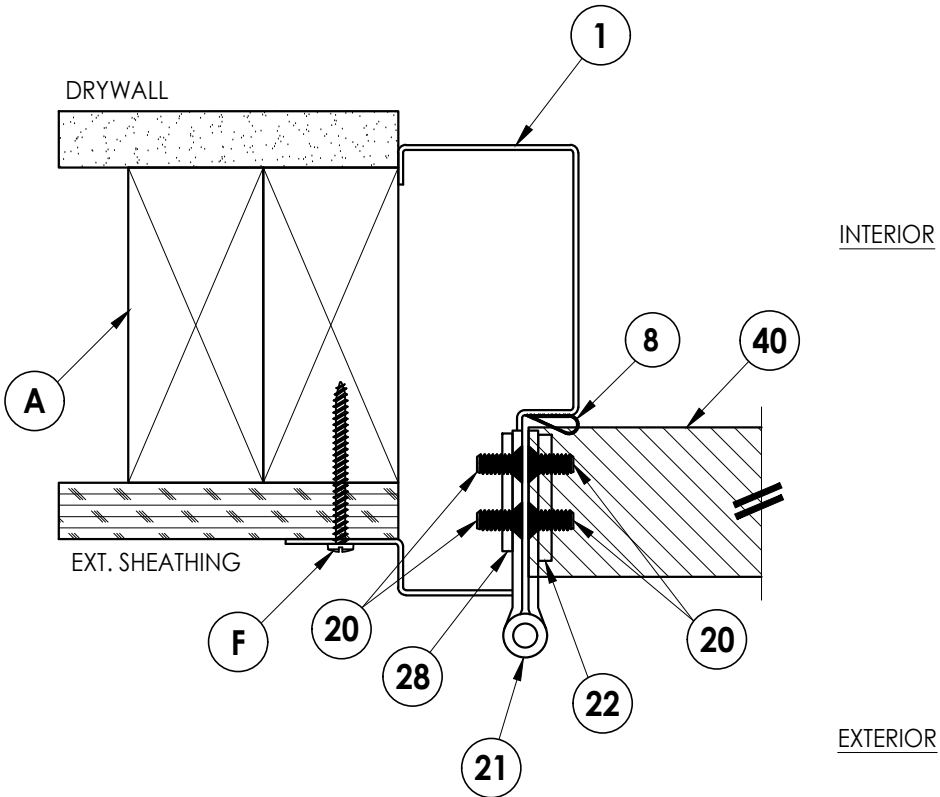
DRAWING NO.:
FL-41892.1

SHEET 2 OF 6

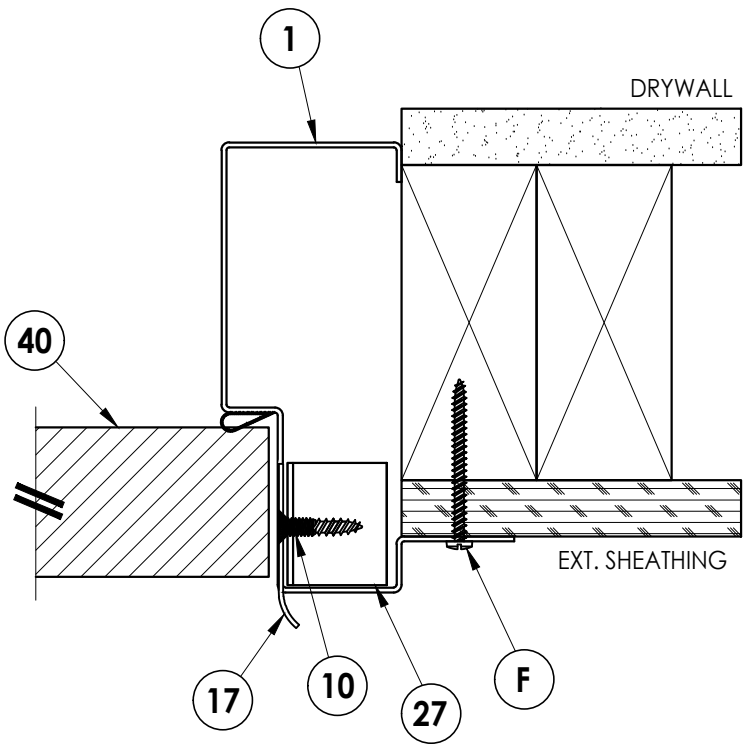
Z:\2023 FBC Drawings\Vision Hollow Metal\FL-41892 R2\FL-41892.1.dwg



3 **HORIZONTAL CROSS SECTION**
3 Steel Stud Installation

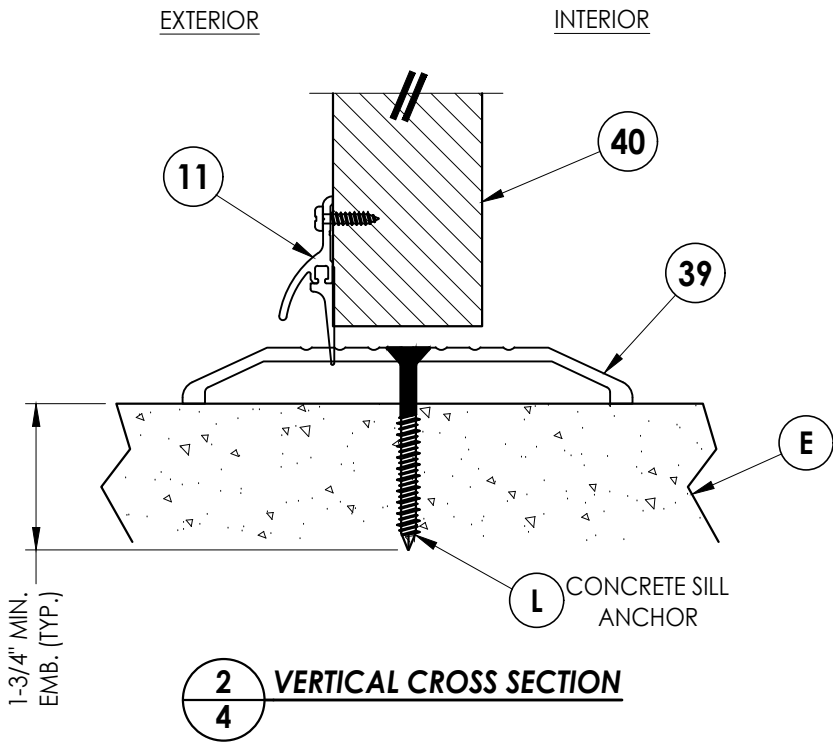
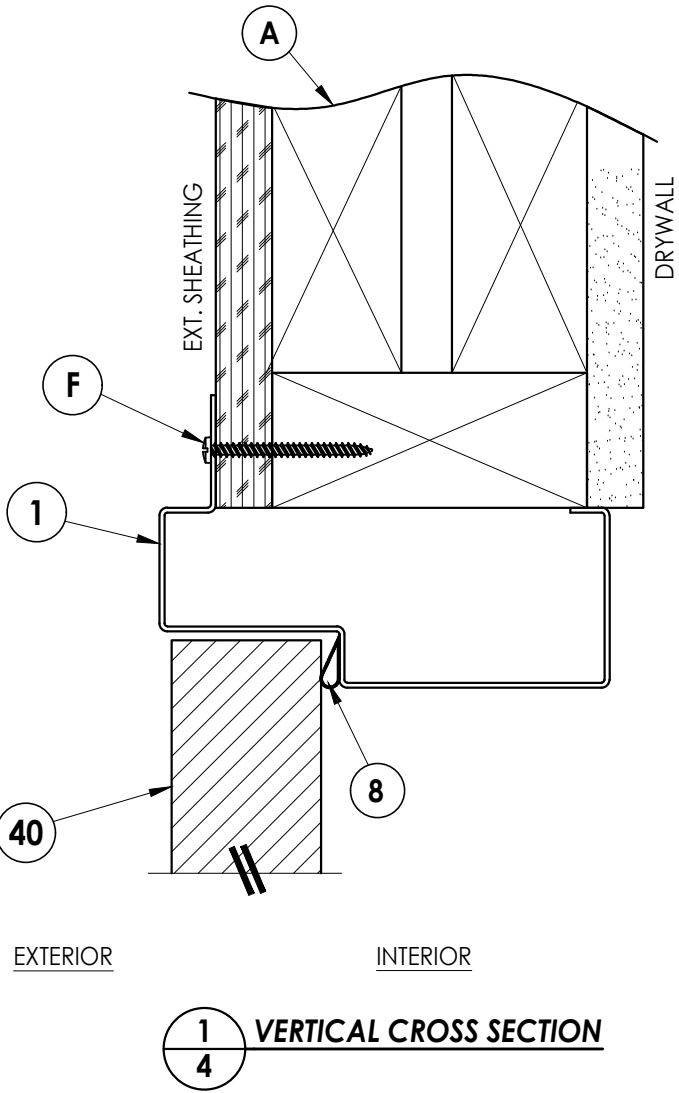


1 **HORIZONTAL CROSS SECTION**
3 Wood Stud Installation



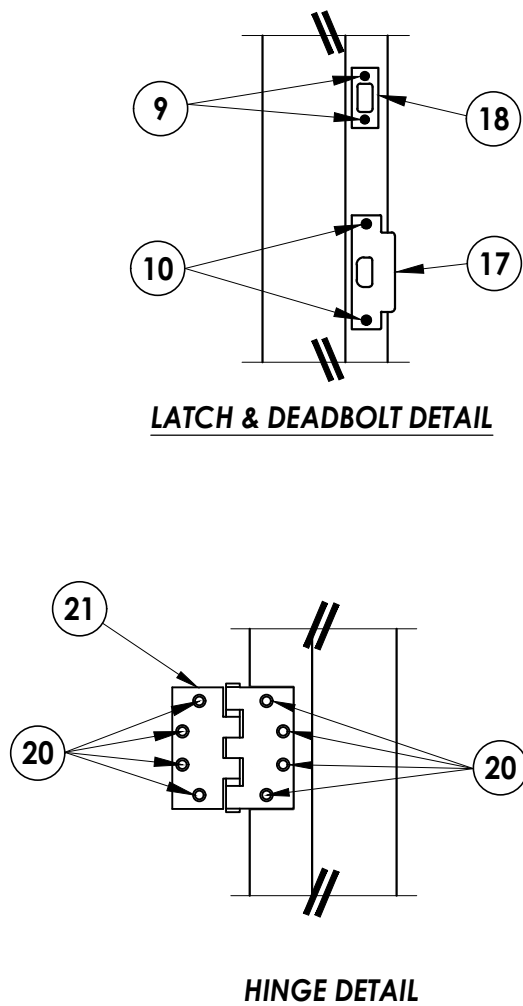
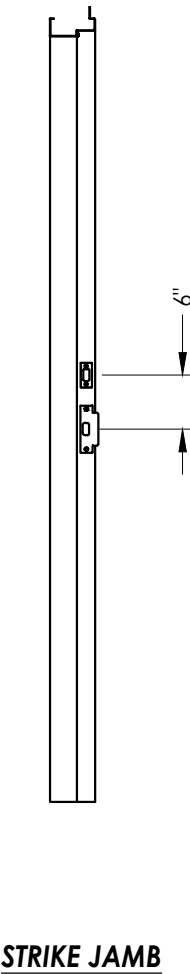
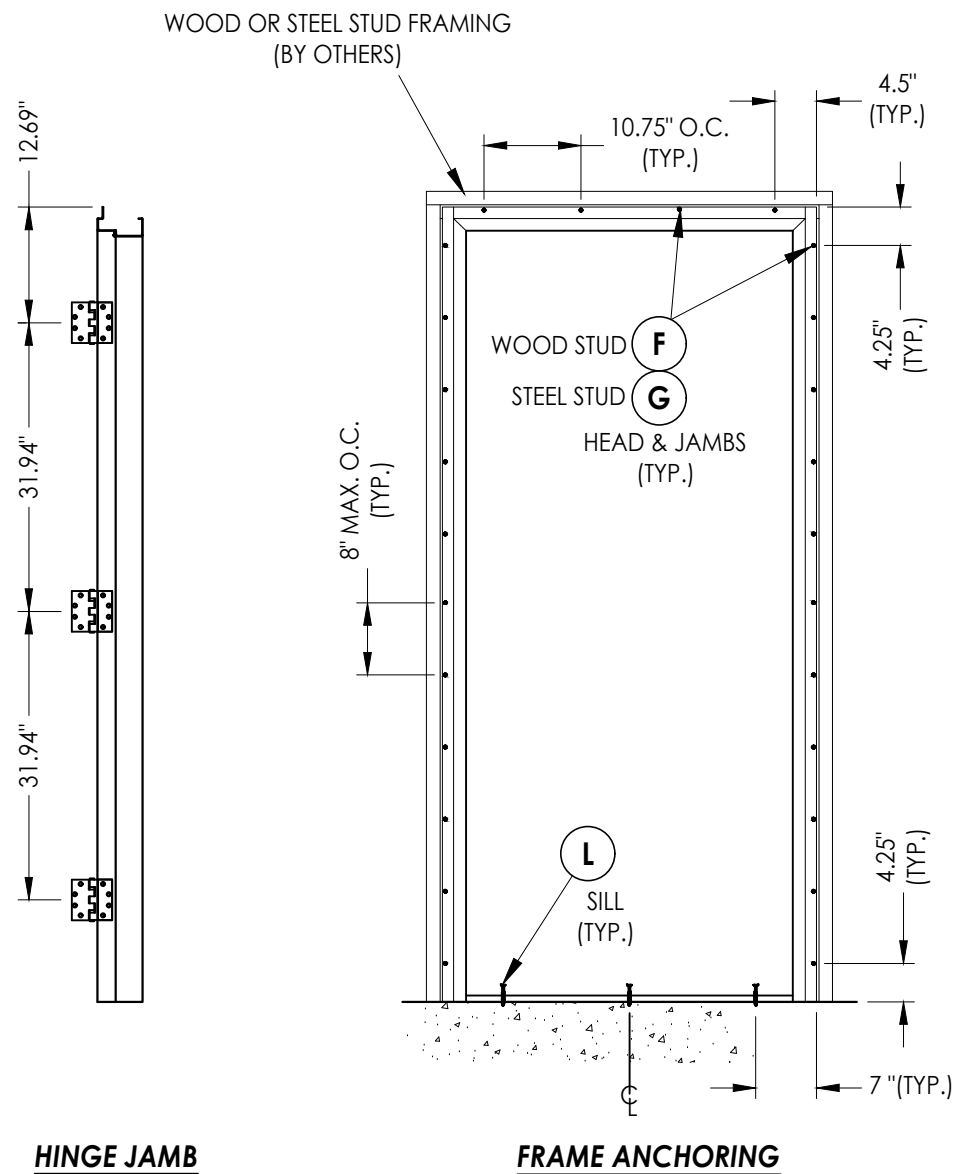
2 **HORIZONTAL CROSS SECTION**
3 Wood Stud Installation

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: ELEVATIONS	
		LFS	BY
		2 7/02/26 UPDATE TO 9TH ED. (2026) FBC	
		1 7/05/23 UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
REVISIONS			
DATE: 01/26/23			
SCALE: N.T.S.			
DWG. BY: LFS			
CHK. BY: RW			
DRAWING NO.: FL-41892.1			
SHEET 3 OF 6			

[illegible]

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



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.

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 BUILDDEX) ULTRA CON+® (DeWALT) TAPPER+® (POWERS)	2-1/2"	1-3/4"

	2	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
	1	7/05/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
	NO.	DATE				
	REVISIONS					

DATE: 01/26/23

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:
FL-41892.1

SHEET 5 OF 6

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

