

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.

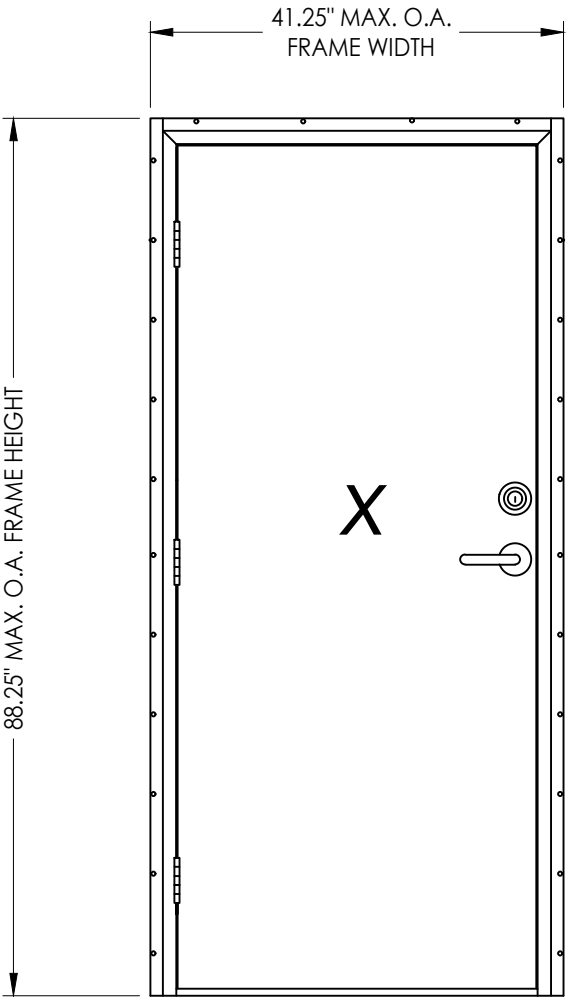
This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

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.

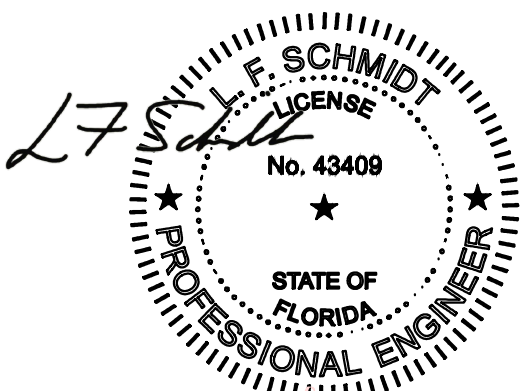
When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 3 as defined in ASTM E 1996.
4.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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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 15:28:21 -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

37/02/26UPDATE TO 9TH ED. (2026) FBC LFS

27/05/23UPDATE TO 8TH ED. (2023) FBC LFS

101/26/23ADD HONEYCOMB CORE OPTION LFS

NO. DATE REVISIONS BY

DATE: 8/30/22

SCALE: N.T.S.

DWG. BY: LFS

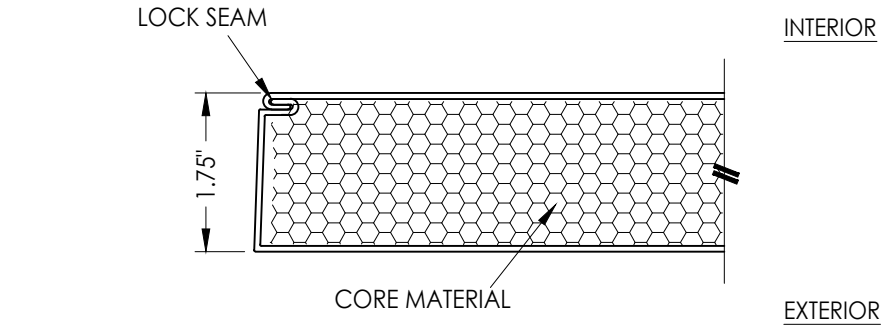
CHK. BY: RW

DRAWING NO.: FL-19036.11

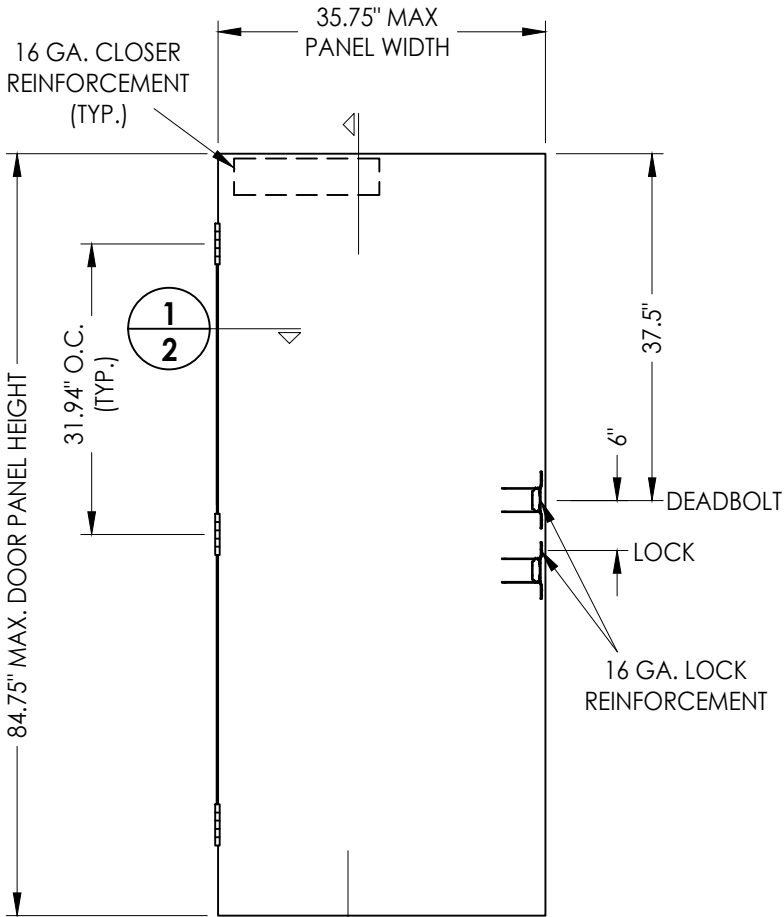
SHEET 1 OF 6

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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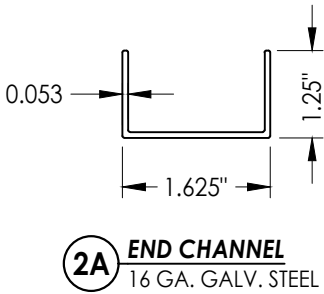


1
2 **HORIZONTAL CROSS SECTION**

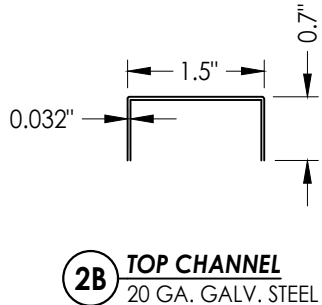


2
2 **OPAQUE DOOR PANEL**
7'-0" Door w/ Cylindrical Lock & Deadbolt

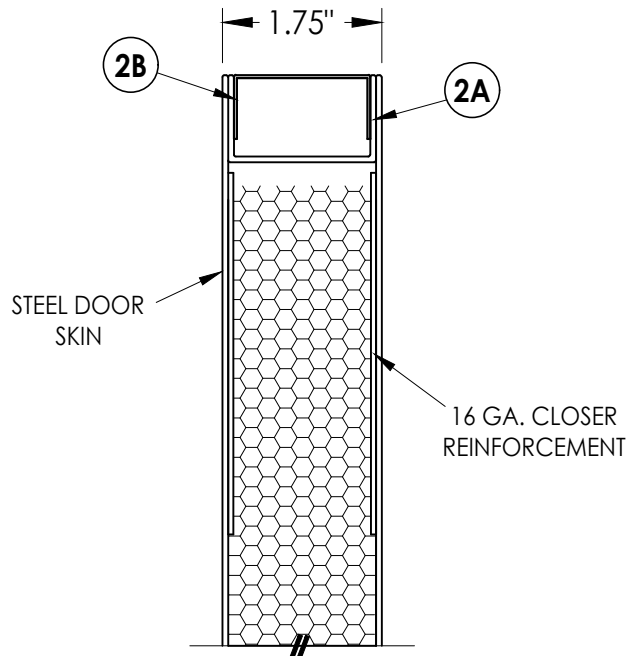
STEEL DOOR SKIN: 20 GA. (MIN. 0.032" THK.) GALV. STEEL
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)
OR ALTERNATE HONEYCOMB CORE



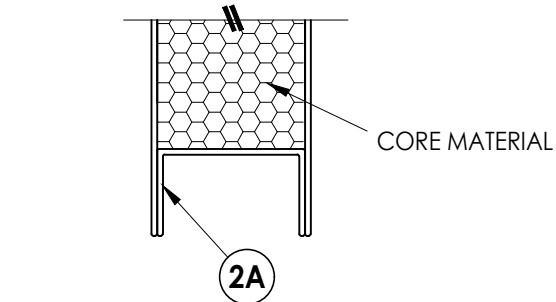
2A **END CHANNEL**
16 GA. GALV. STEEL



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



EXTERIOR INTERIOR



2
2 **VERTICAL CROSS SECTION**

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

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PRODUCT:
VISION HOLLOW METAL

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/05/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	01/26/23	ADD HONEYCOMB CORE OPTION LFS

DATE: 8/30/22

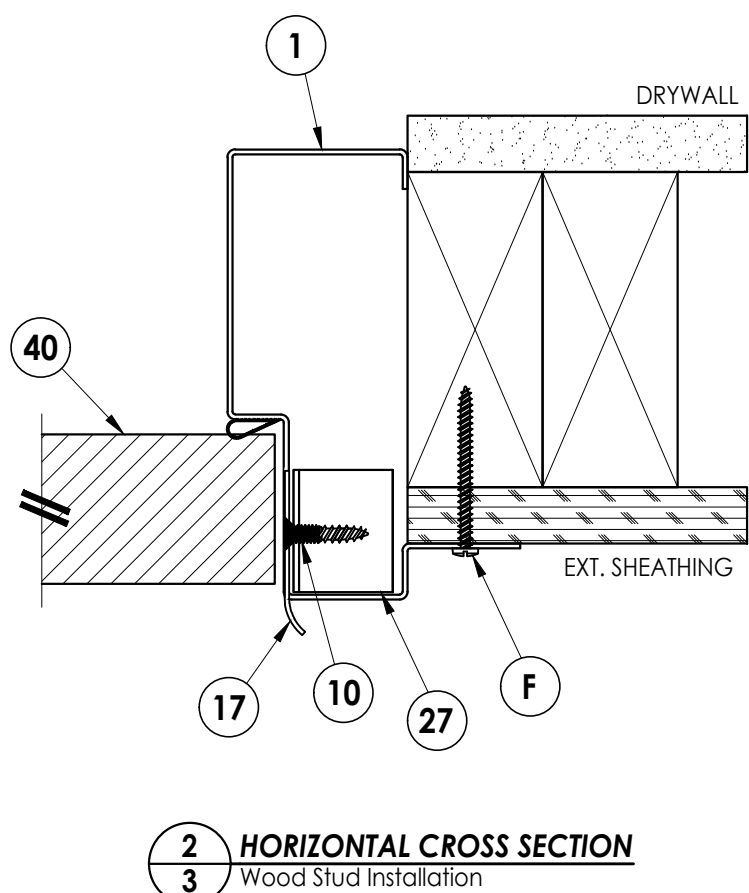
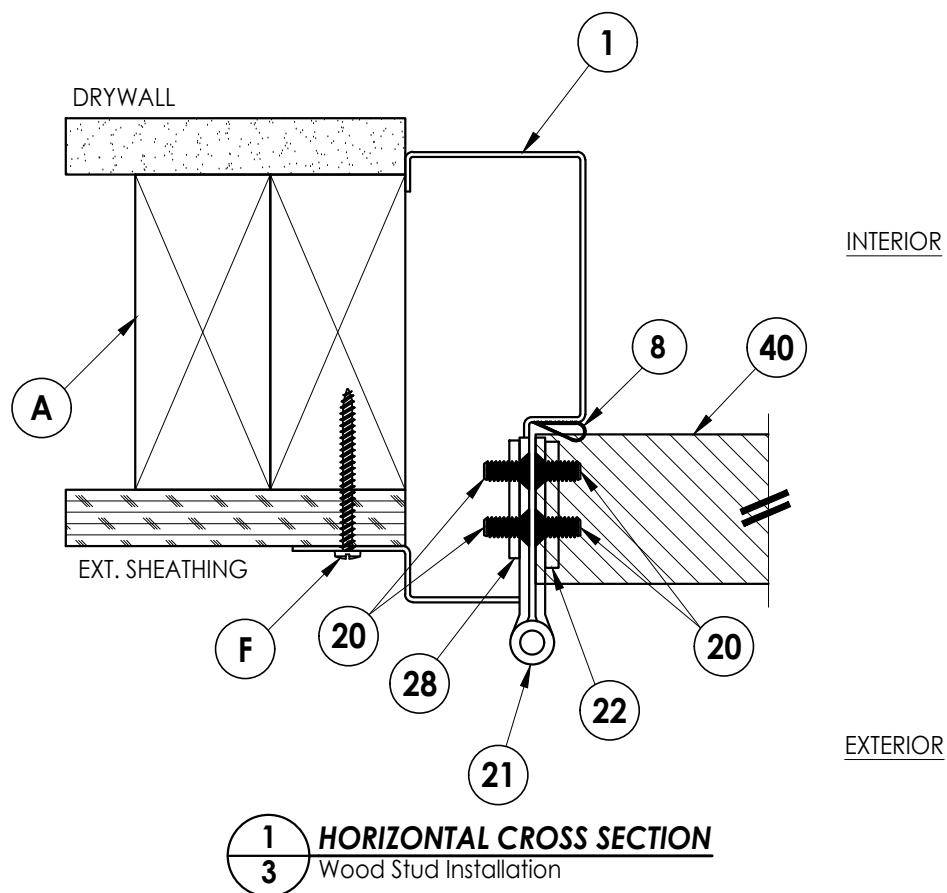
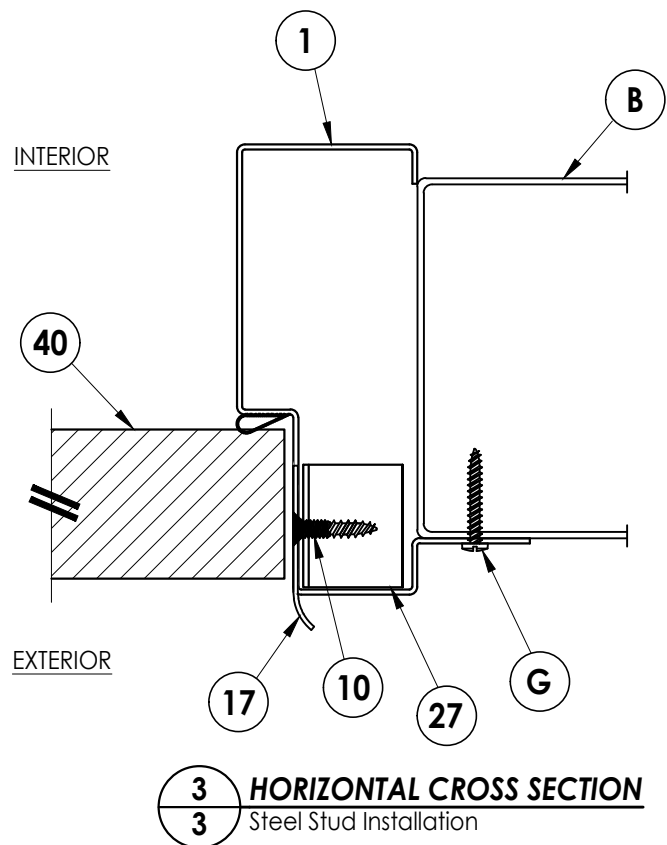
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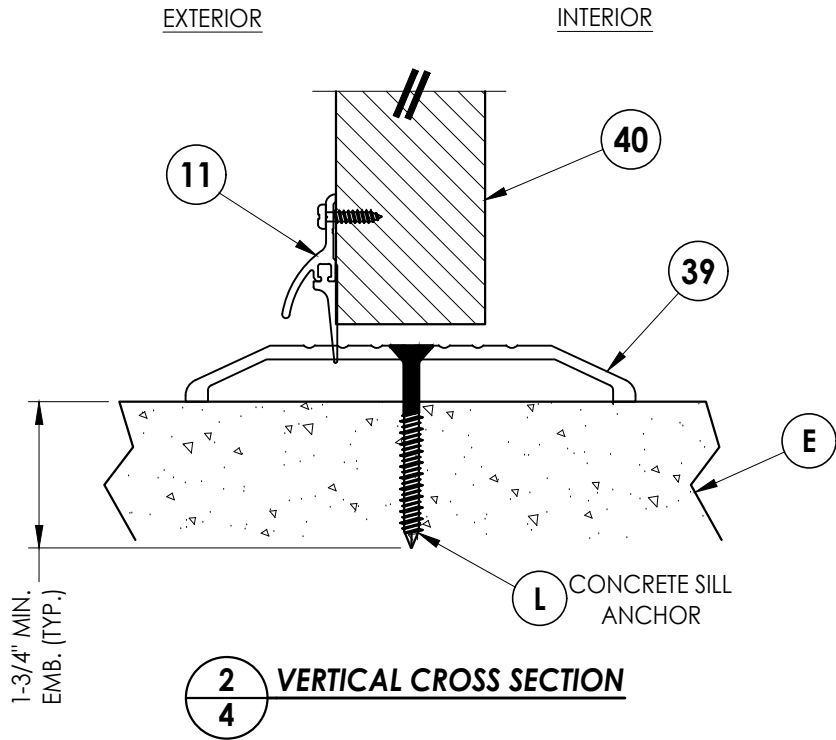
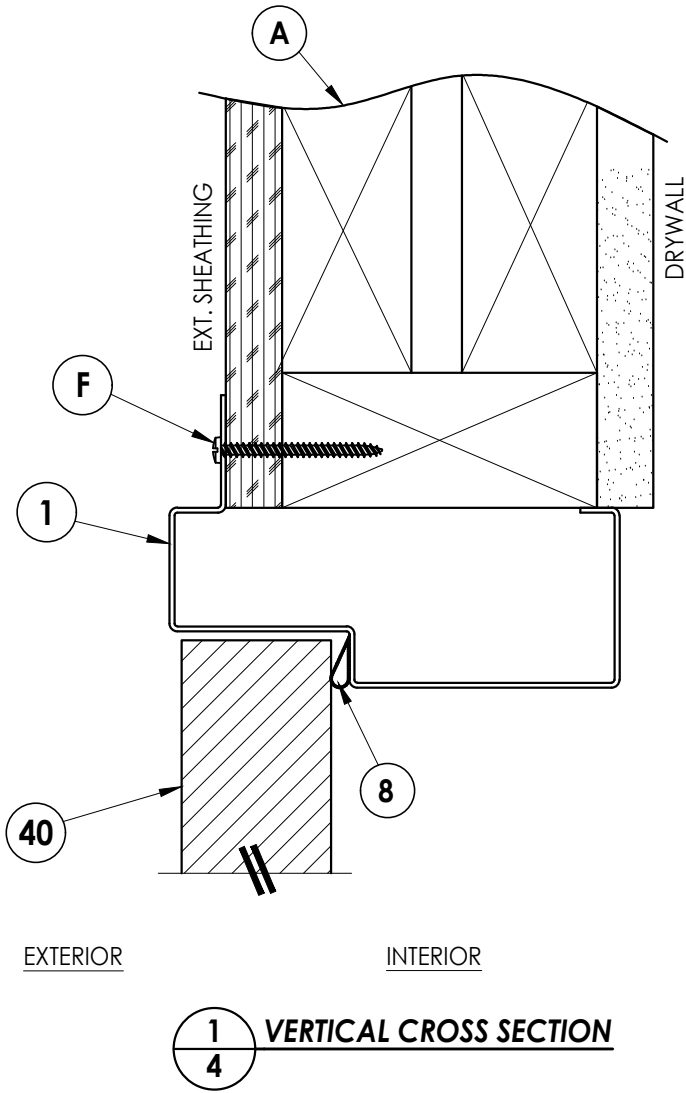
CHK. BY: RW

DRAWING NO.:
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SHEET 2 OF 6

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SHEET 4 OF 6

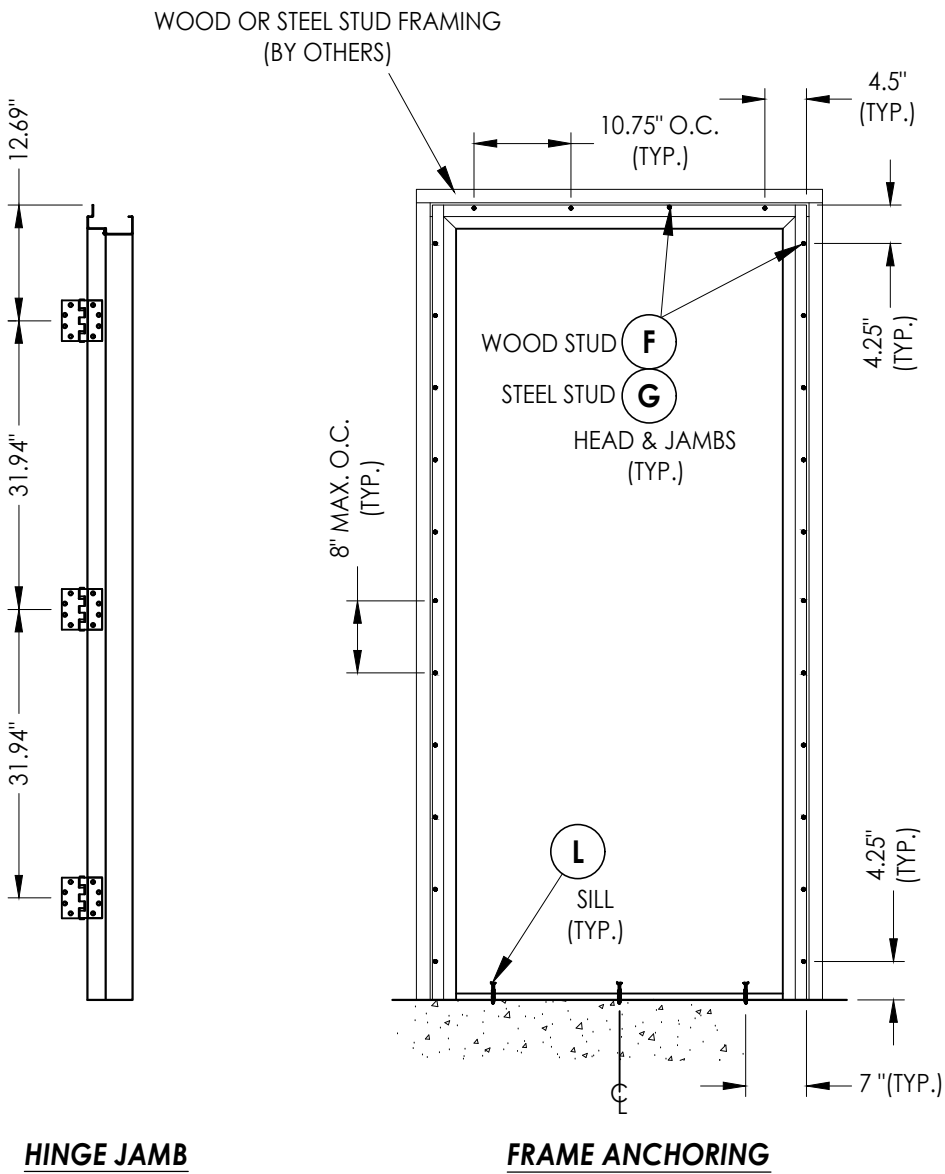
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		BY

PRODUCT:	VISION HOLLOW METAL
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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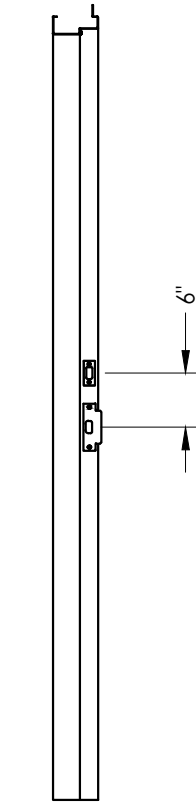
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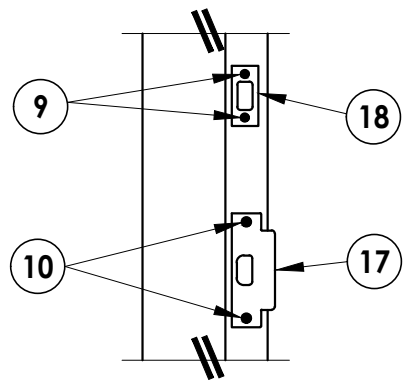


HINGE JAMB

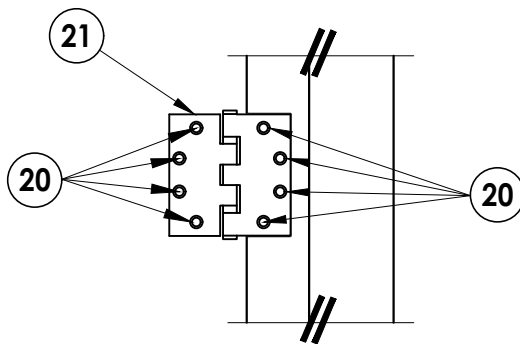
FRAME ANCHORING



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

CONCRETE ANCHOR NOTES:

- 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.
- 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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FRAME ANCHORING

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SCALE: N.T.S.

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CHK. BY: RW

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SHEET 5 OF 6

