

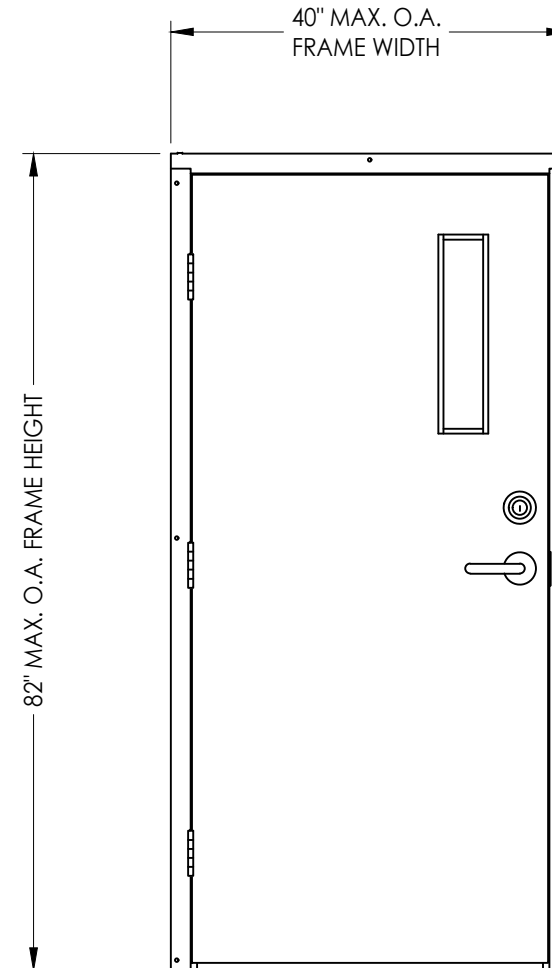
400 Zenway Blvd. Unit #1
Woodbridge, ON L4H 0S7

LS20 STEEL DOOR w/ VISION LITE
in an
ADJUSTABLE 18 GA. METAL FRAME
OUTSWING
"NON-IMPACT"

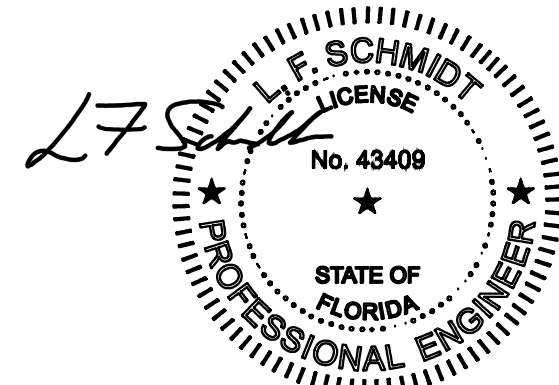
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 is required to be protected with an impact resistant covering that complies with FBC Section 1626.
4. When used in areas outside the "HVHZ" 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.
5. This product does 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.
6. 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: 2023.07.05 15:50:38 -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

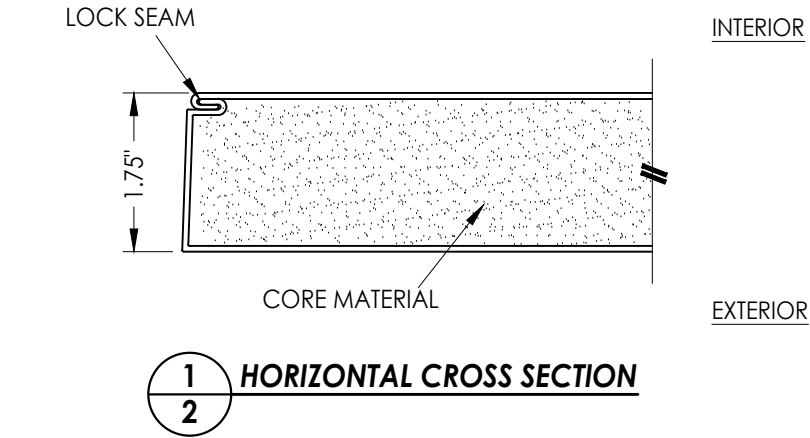
PRODUCT: VISION HOLLOW METAL		PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES	
DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409			
 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

1	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
NO.	DATE				BY				
					REVISIONS				

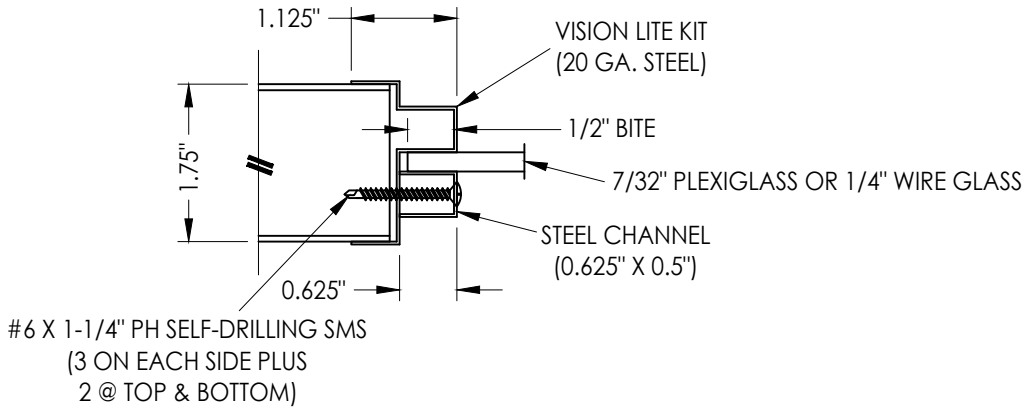
DATE: 10/11/22	
SCALE: N.T.S.	
DWG. BY: LFS	
CHK. BY: RW	
DRAWING NO.: FL-19036.7	
SHEET 1	OF 6

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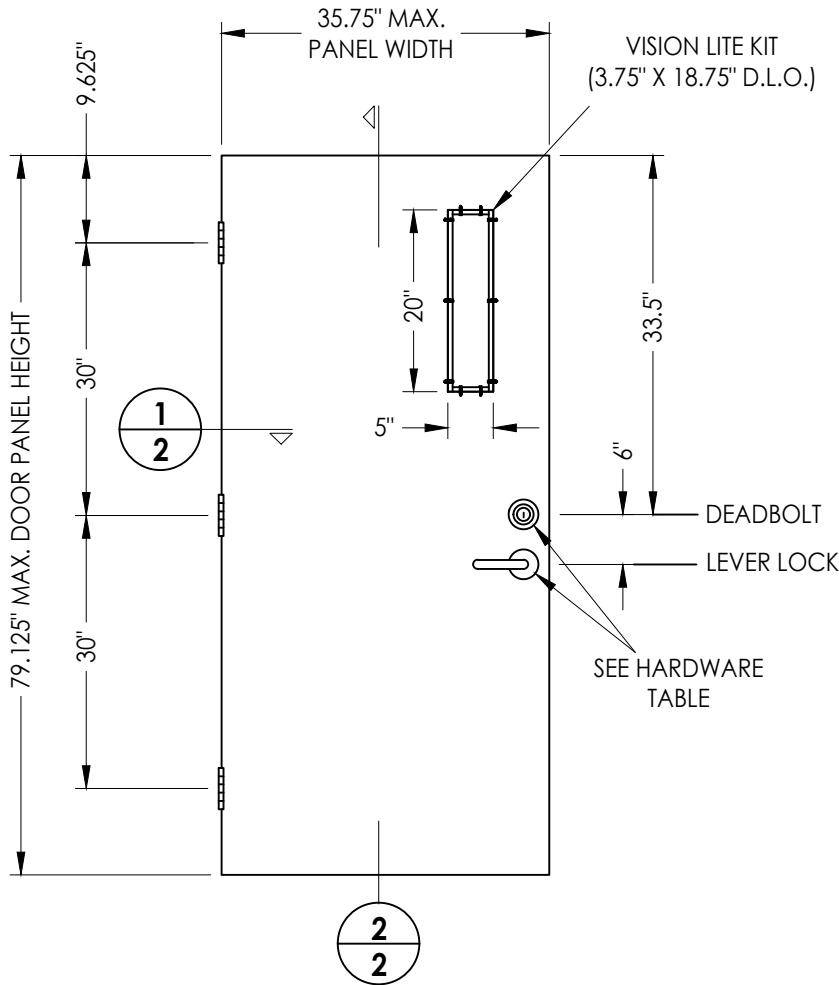
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1
2 **HORIZONTAL CROSS SECTION**

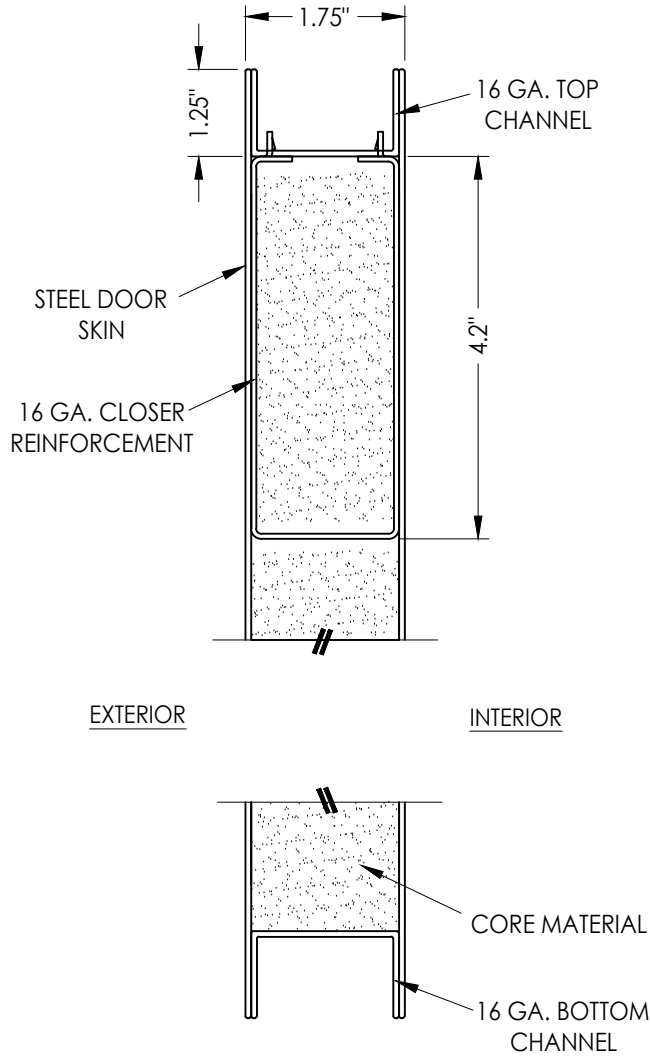


P1 **VISION LITE KIT w/ PLEXIGLASS DETAIL**



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 (Fy = 50,700 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

Documents Prepared By:
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PRODUCT:	VISION HOLLOW METAL
PART OR ASSEMBLY:	DOOR PANEL DETAILS

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		LFS
		BY

DATE: 10/11/22

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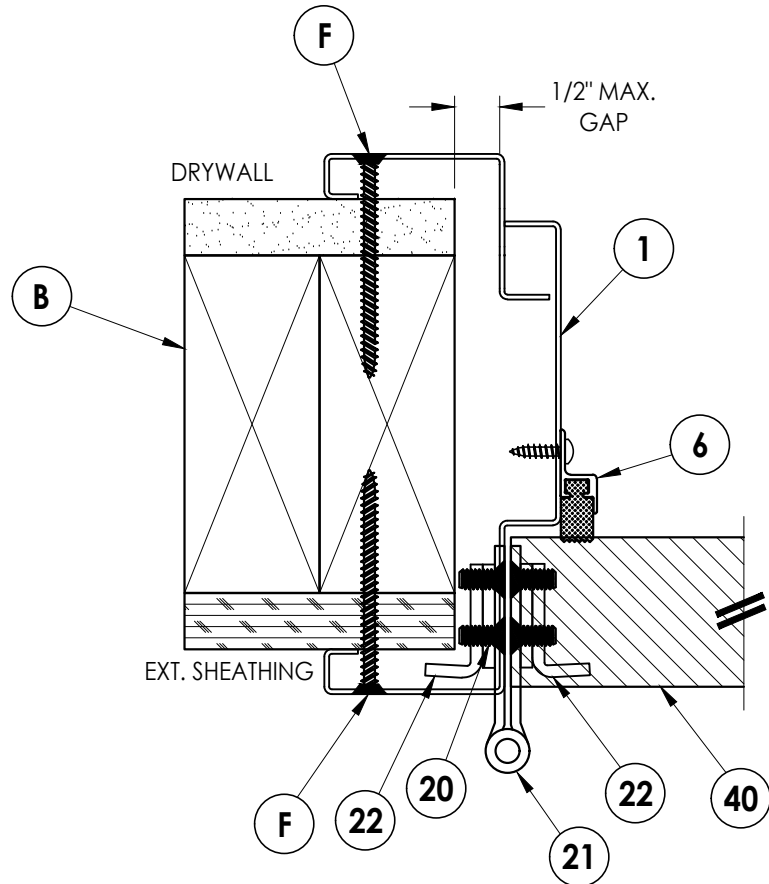
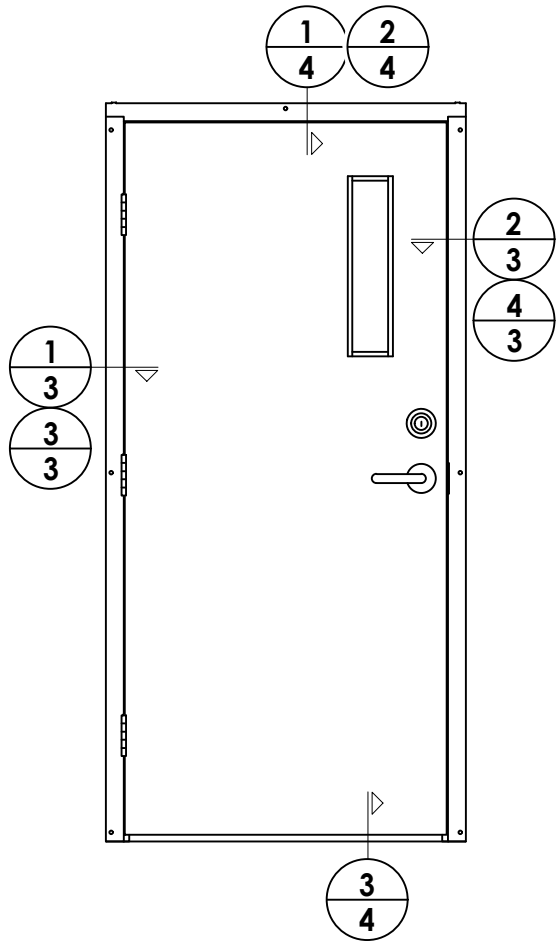
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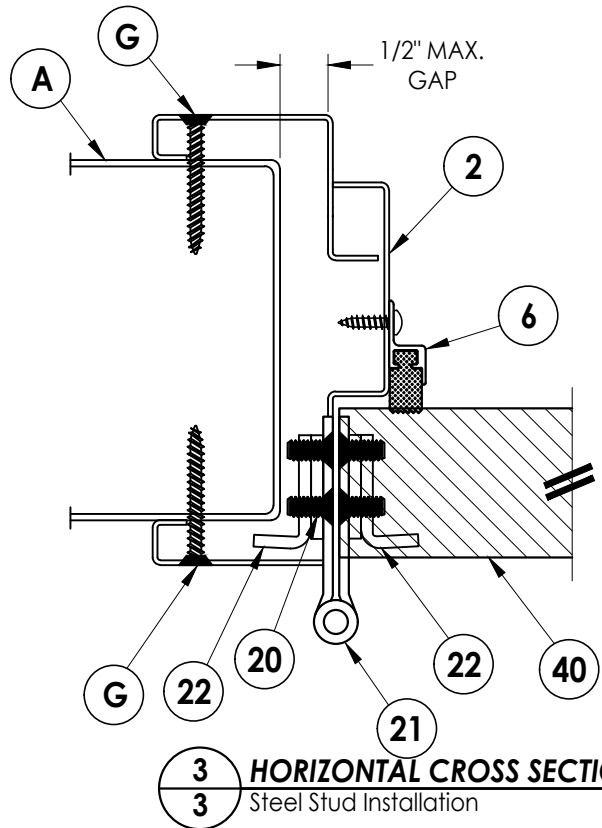
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SHEET 2 OF 6

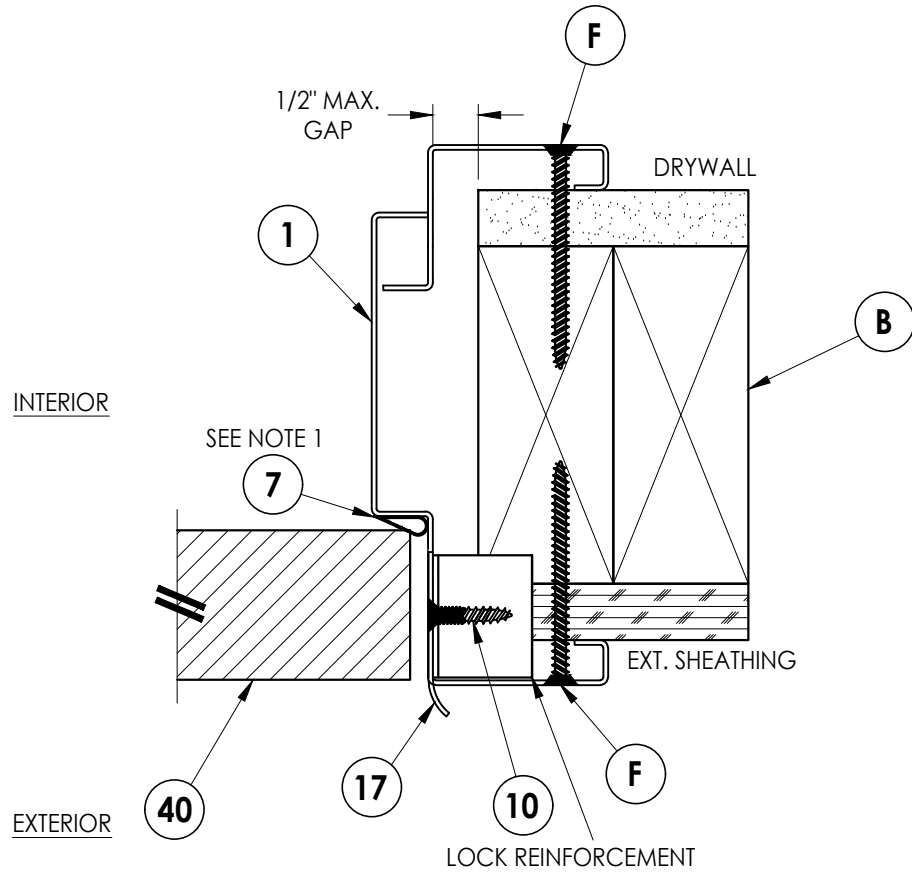
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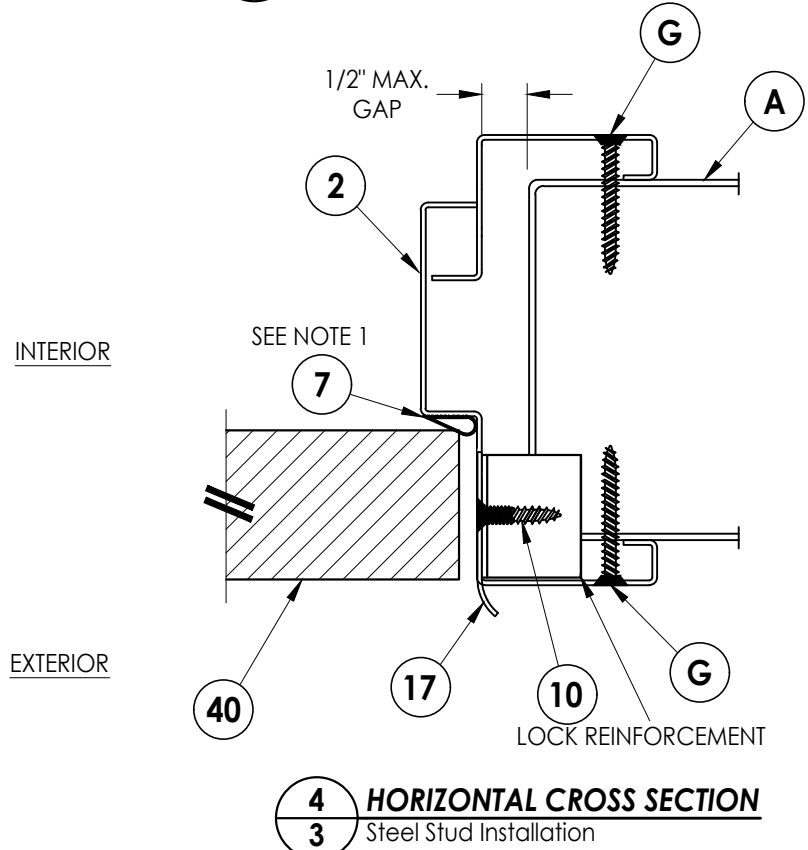
1 HORIZONTAL CROSS SECTION
3 Wood Stud Installation



3 HORIZONTAL CROSS SECTION
3 Steel Stud Installation



2 HORIZONTAL CROSS SECTION
3 Wood Stud Installation



4 HORIZONTAL CROSS SECTION
3 Steel Stud Installation

NOTE:
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP

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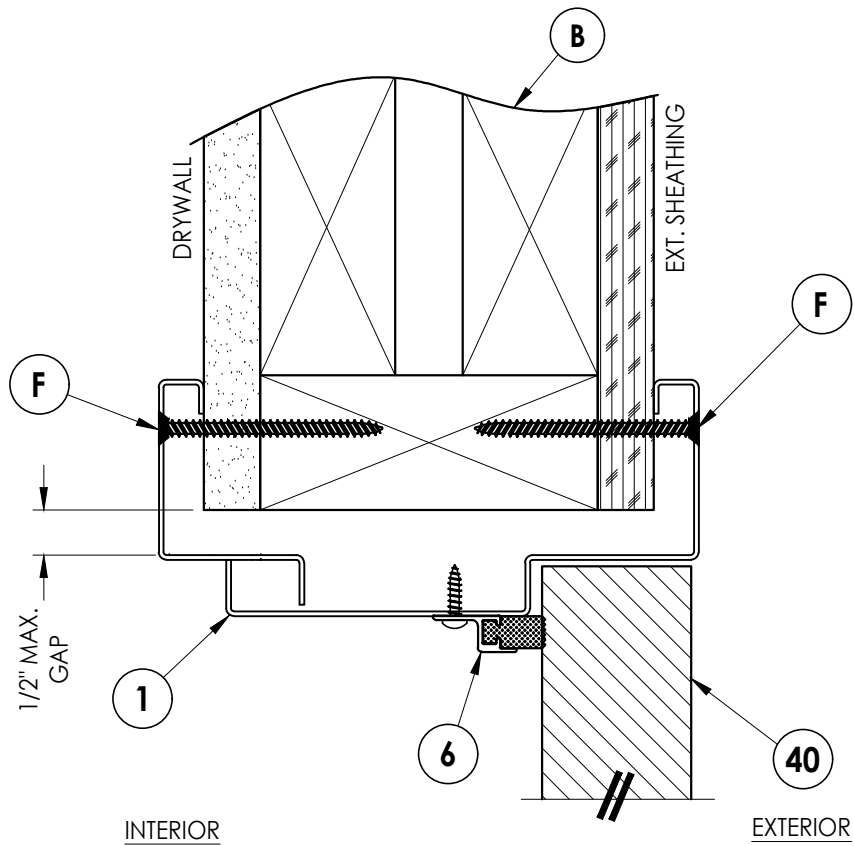
RW BUILDING CONSULTANTS, INC.
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PRODUCT:	VISION HOLLOW METAL
PART OR ASSEMBLY:	ELEVATION & HORIZONTAL CROSS SECTIONS

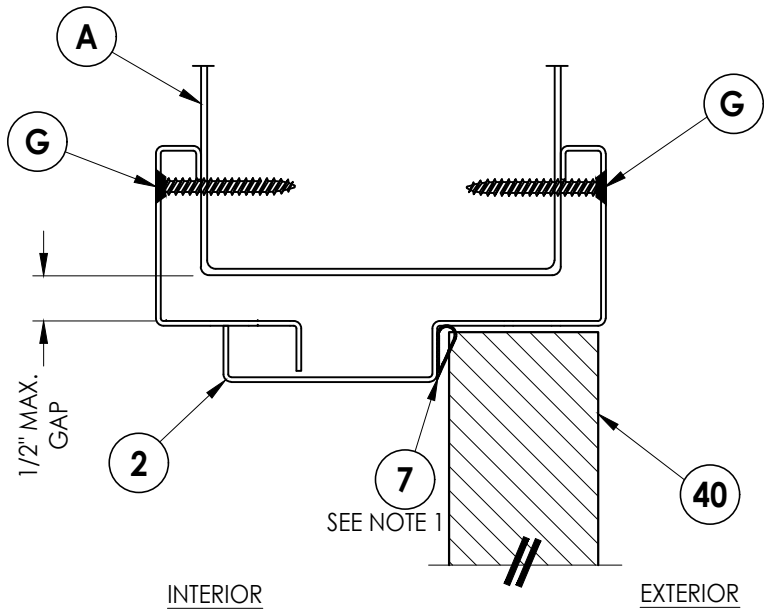
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CHK. BY:	RW
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SHEET	3 OF 6

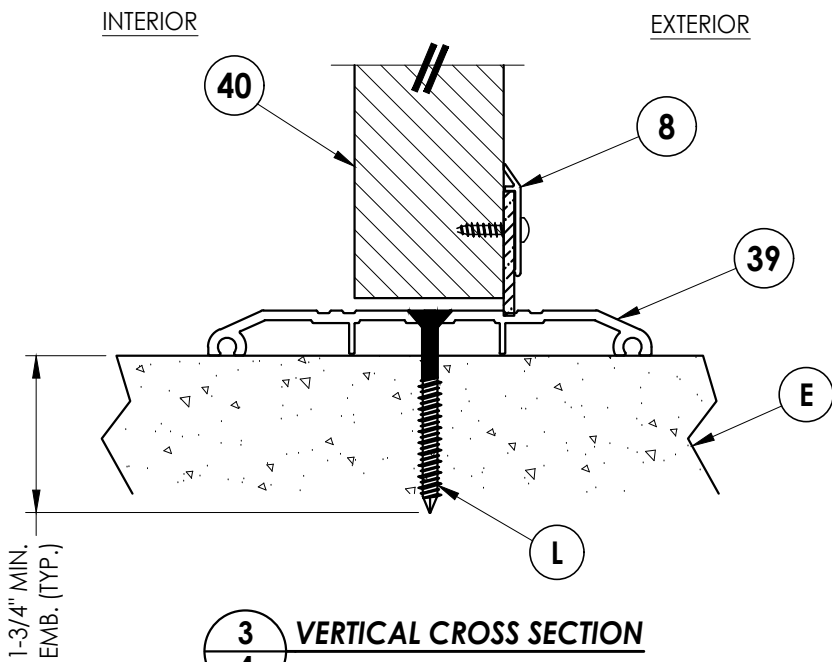
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1
4 VERTICAL CROSS SECTION



2
4 VERTICAL CROSS SECTION



3
4 VERTICAL CROSS SECTION

NOTE:
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP

DATE: 10/11/22

SCALE: N.T.S.

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DRAWING NO.:

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SHEET 4 OF 6

PRODUCT:

VISION HOLLOW METAL

PART OR ASSEMBLY:

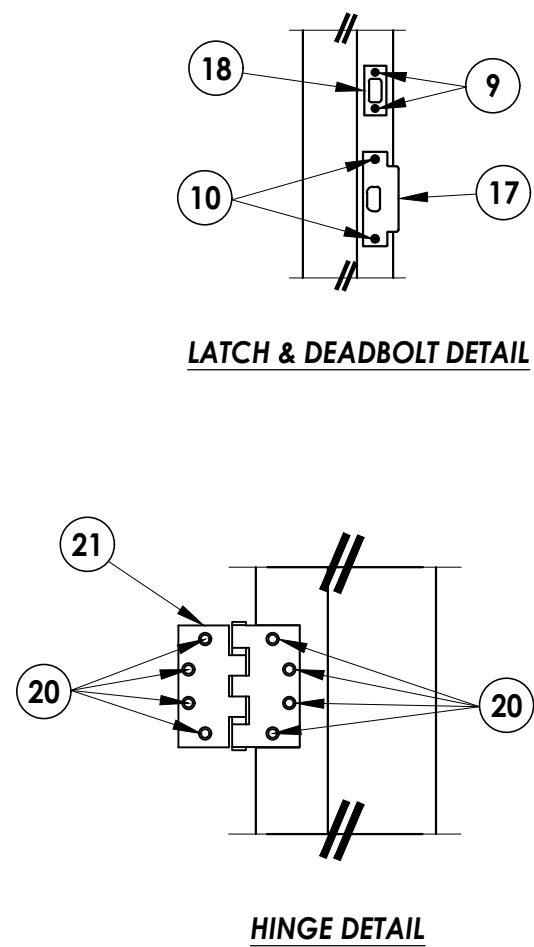
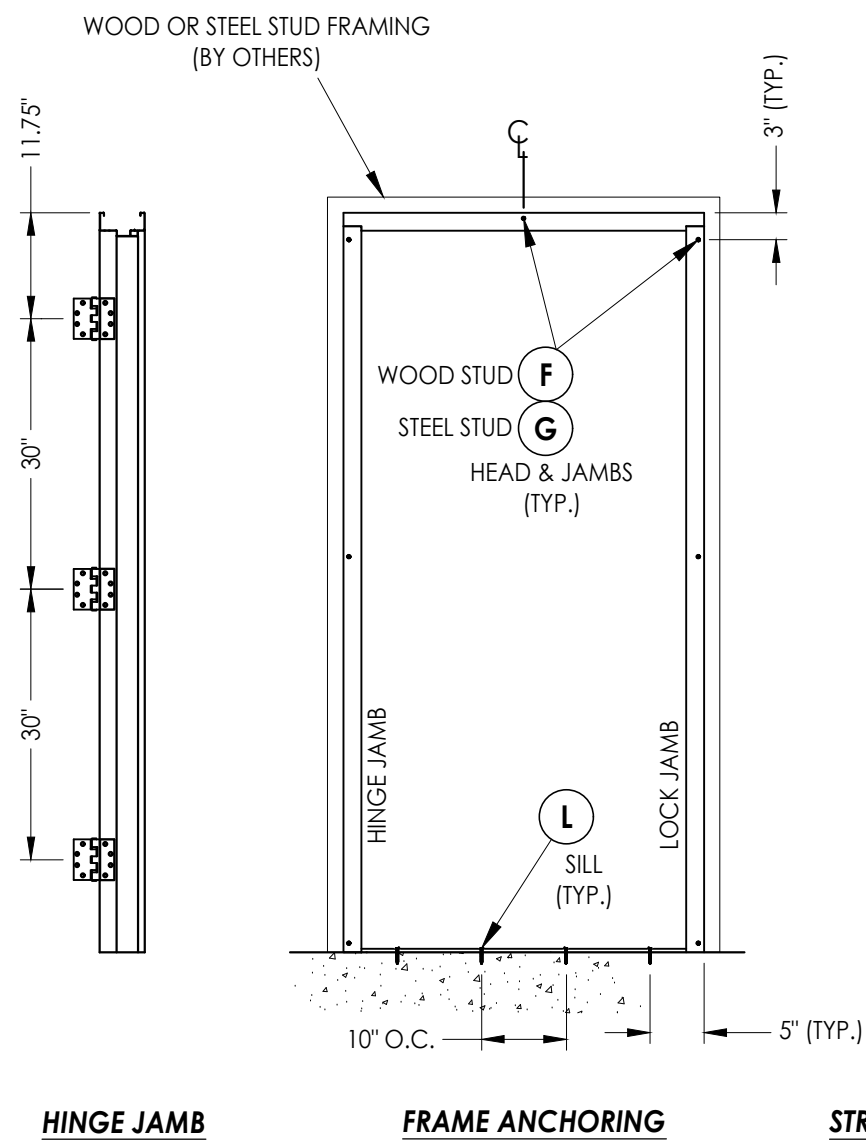
VERTICAL
CROSS SECTIONS

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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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SHEET 5 OF 6

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