

# Vision Hollow Metal Limited

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

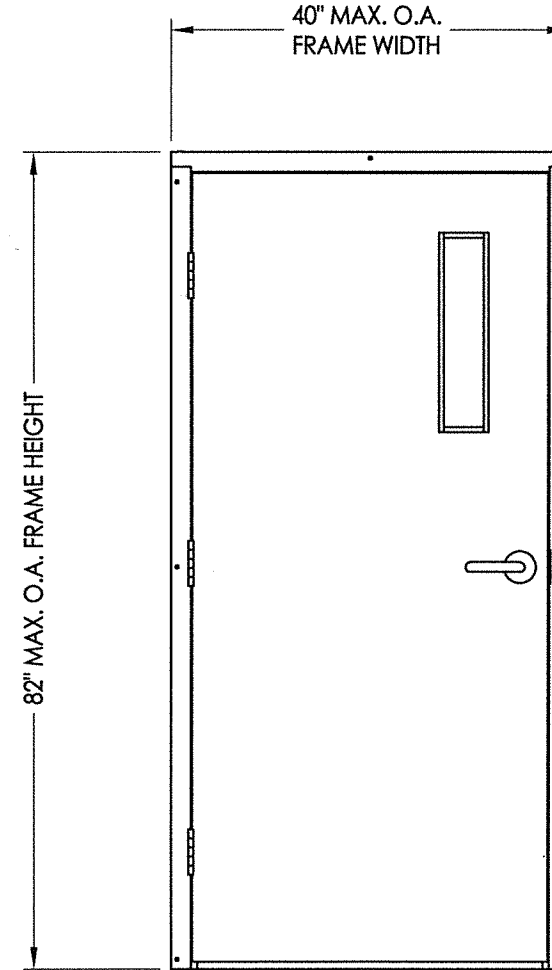
## LS20 STEEL DOOR w/ VISION LITE in an ADJUSTABLE 18 GA. METAL FRAME OUTSWING "NON-IMPACT"

### EVALUATED FOR USE IN THE STATE OF TEXAS

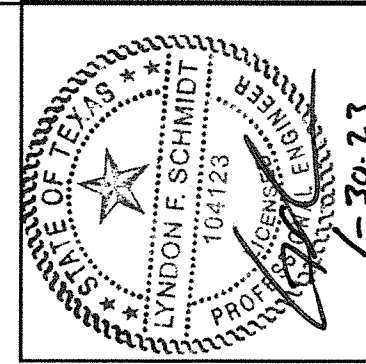
The Steel Door system described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond wall dressing or stucco.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

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"	+50.0	-50.0



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

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P.O. Box 230 Valrico FL 33595  
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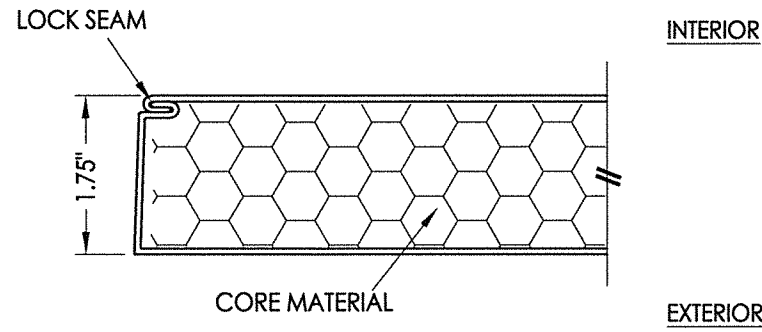
TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: VISION HOLLOW METAL  
PART OR ASSEMBLY: TYPICAL ELEVATIONS, DESIGN PRESSURES & GENERAL NOTES

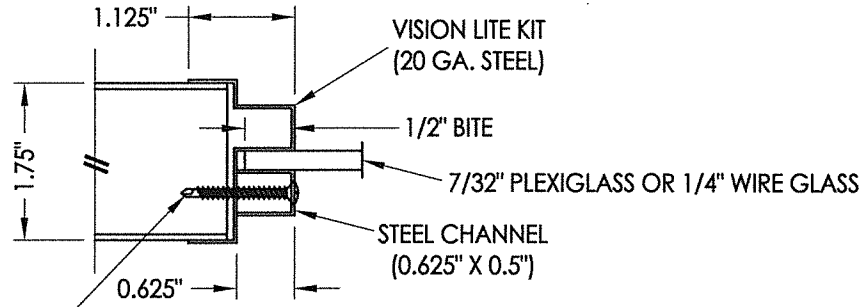
NO.	DATE	BY	REVISIONS

DATE: 01/26/23  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: TX-5293  
SHEET 1 OF 6

Z:\Clients\Vision Hollow Metal Permanent\B - Texas Dept of Ins\TDI - DR-XXX 7'0 Steel Door w Vision Lite\Drawings\TX-5293.dwg

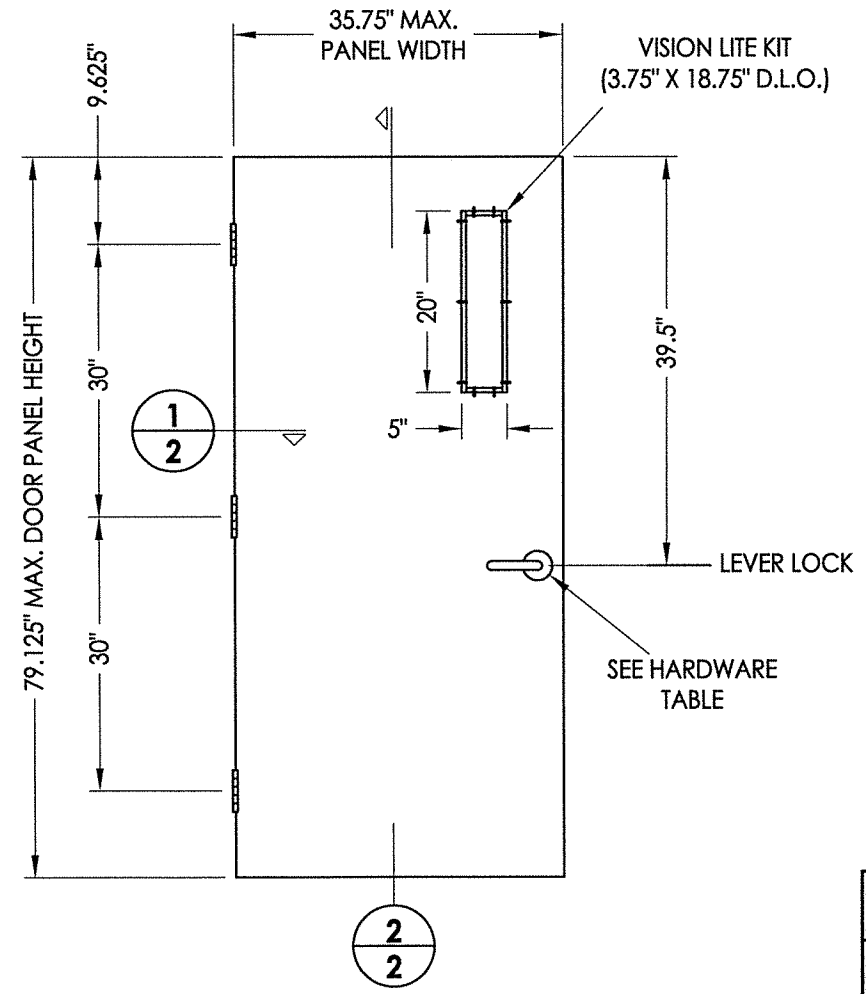


1  
2 **HORIZONTAL CROSS SECTION**



#6 X 1-1/4" PH SELF-DRILLING SMS  
(3 ON EACH SIDE PLUS  
2 @ TOP & BOTTOM)

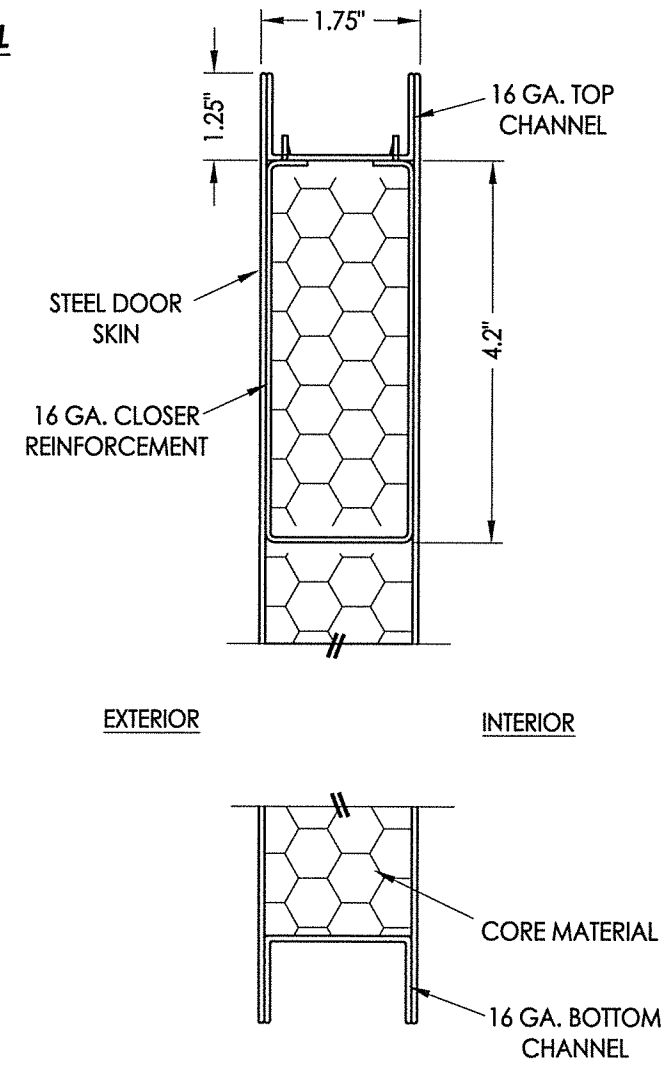
P1 **VISION LITE KIT w/ PLEXIGLASS DETAIL**



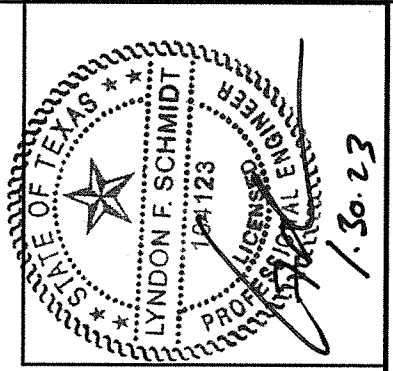
40 **VISION HOLLOW METAL DOOR PANEL**  
6'-8" Door w/ Lever Lock

HARDWARE TABLE	
MANUFACTURER	MODEL
DOREX	LEVER LOCK: GX1 SERIES - GRADE 1

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

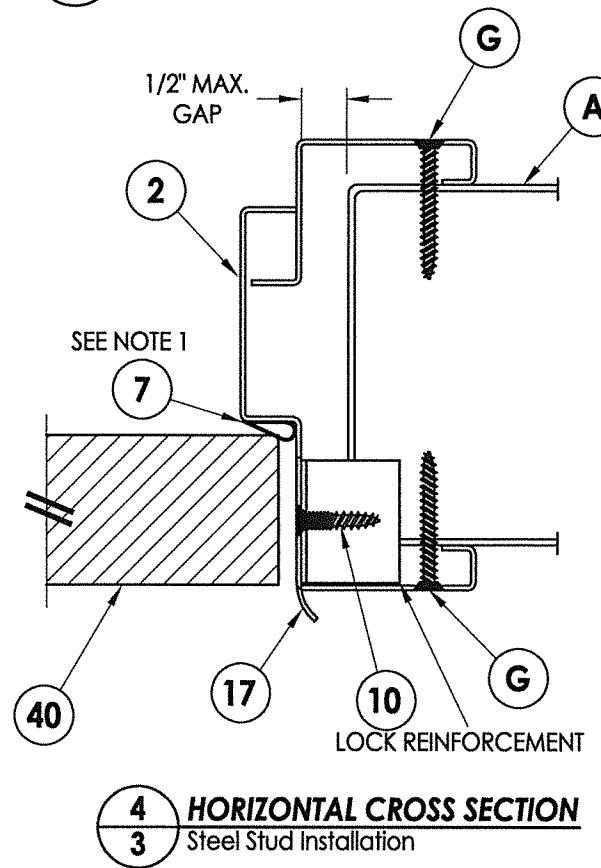
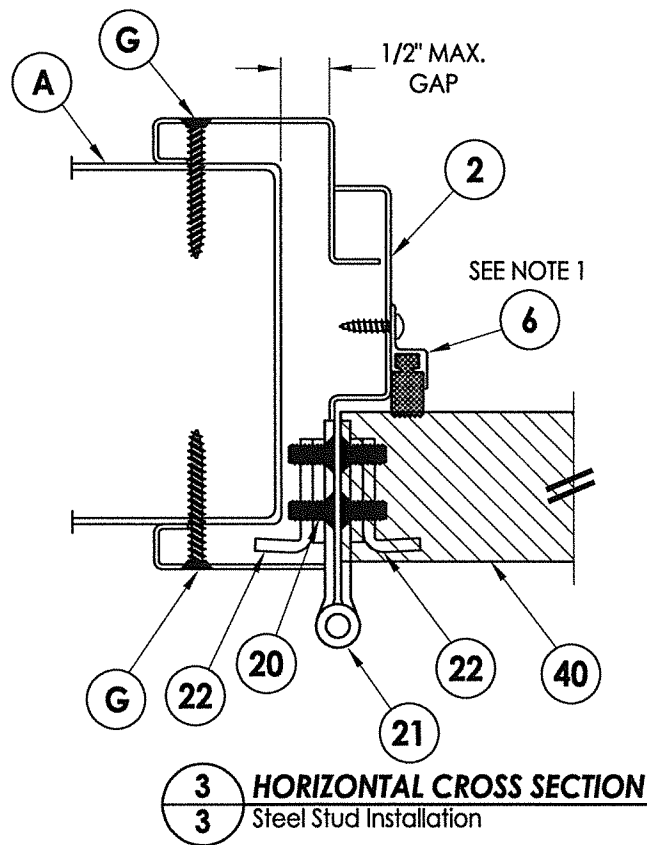
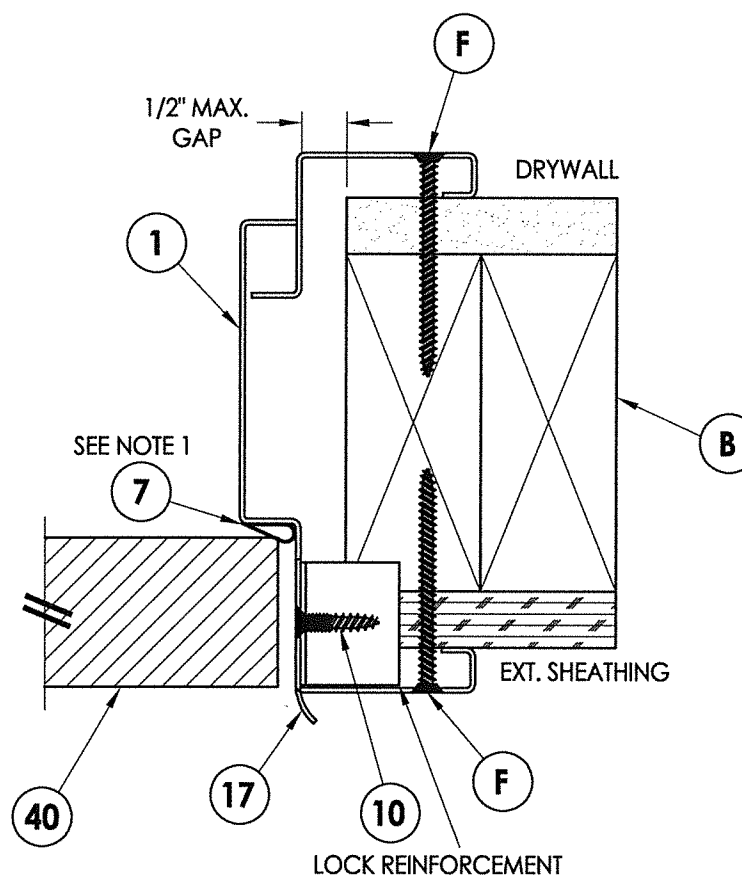
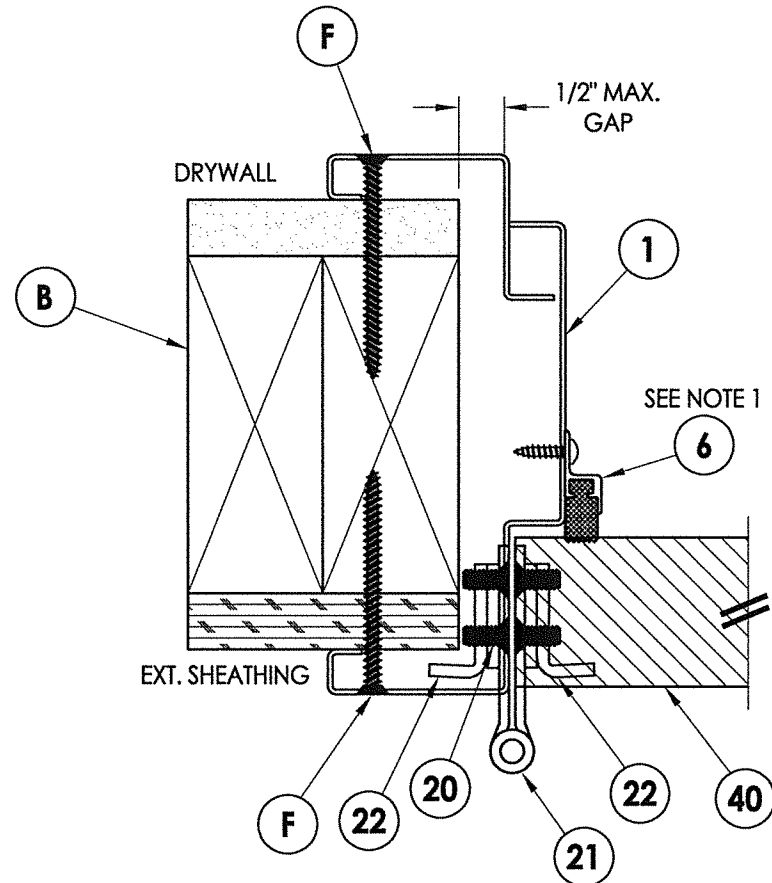
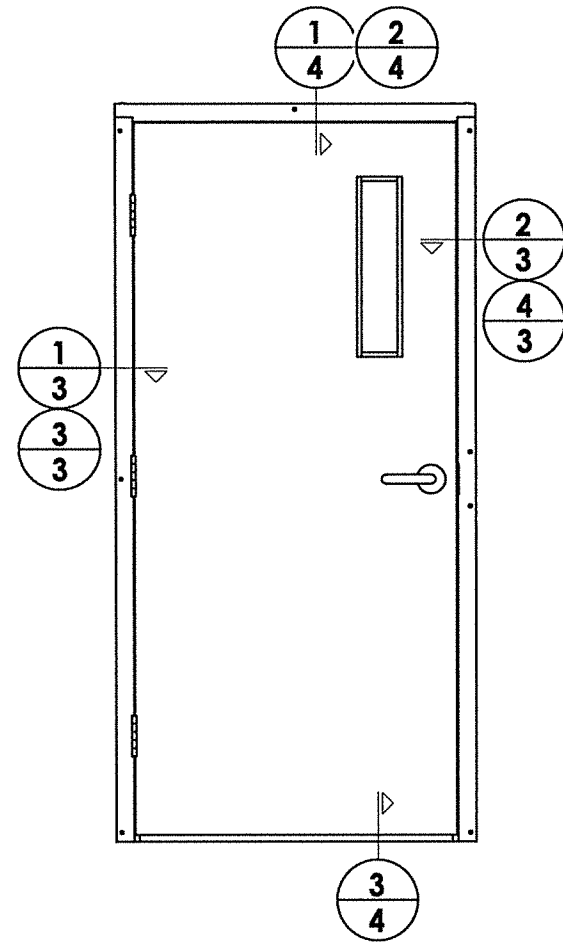


2  
2 **VERTICAL CROSS SECTION**

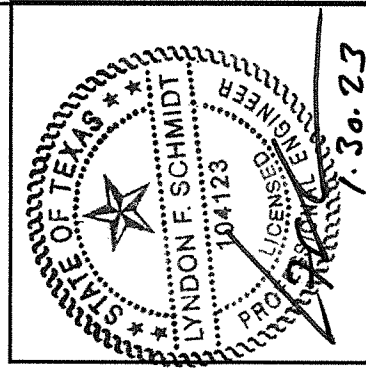


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TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	VISION HOLLOW METAL	
PART OR ASSEMBLY:	DOOR PANEL DETAILS	
NO.	DATE	BY
REVISIONS		
DATE:	01/26/23	
SCALE:	N.T.S.	
DWG. BY:	LFS	
CHK. BY:	RW	
DRAWING NO.:	TX-5293	
SHEET	2 OF 6	



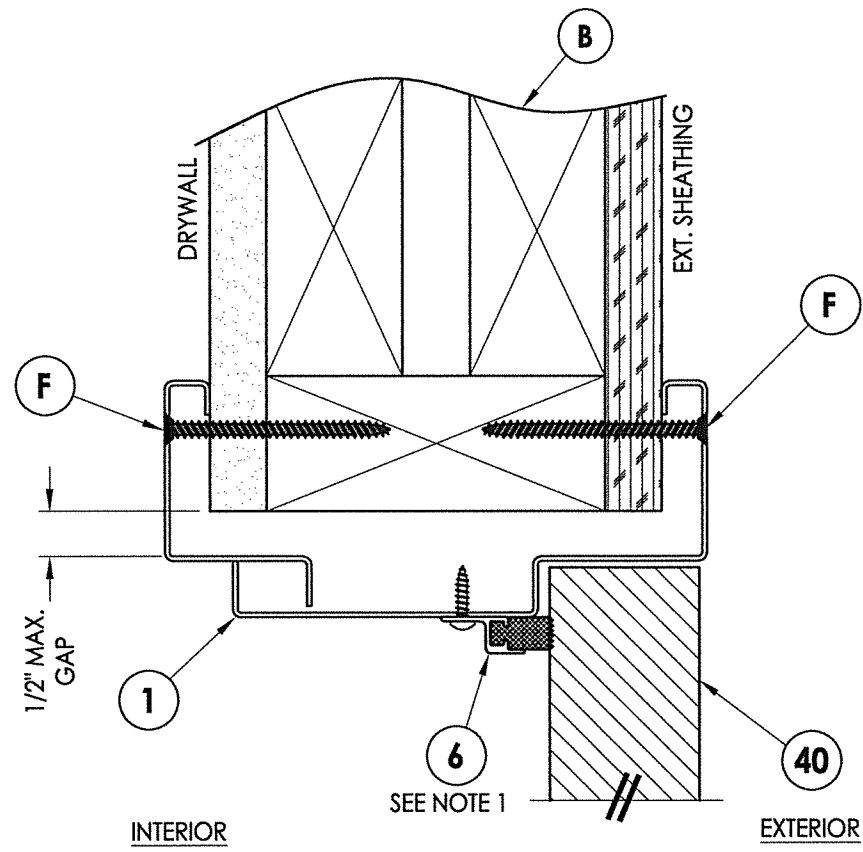
NOTE:  
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP



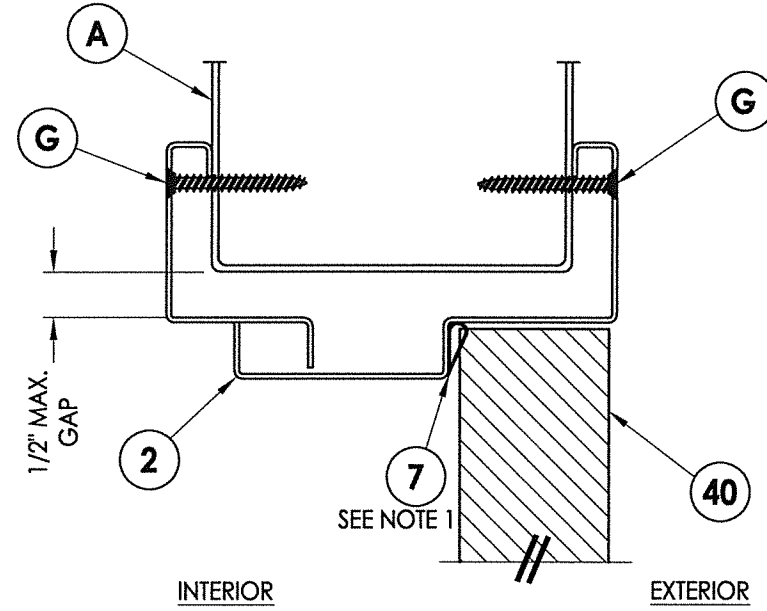
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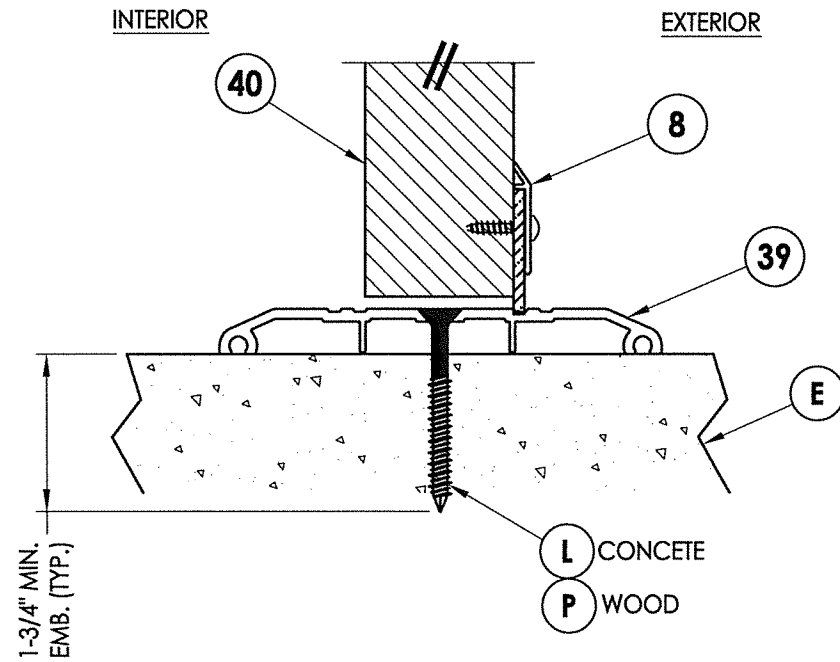
PRODUCT: VISION HOLLOW METAL		NO.	DATE	BY
PART OR ASSEMBLY: ELEVATION & HORIZONTAL CROSS SECTIONS				
DATE: 01/26/23		REVISIONS		
SCALE: N.T.S.				
DWG. BY: LFS				
CHK. BY: RW				
DRAWING NO.: TX-5293				
SHEET 3 OF 6				



**1**  
**4** VERTICAL CROSS SECTION

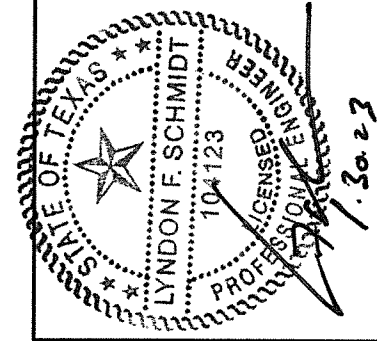


**2**  
**4** VERTICAL CROSS SECTION



**3**  
**4** VERTICAL CROSS SECTION

NOTE:  
1. OPTIONAL PERIMETER SEAL OR WEATHERSTRIP

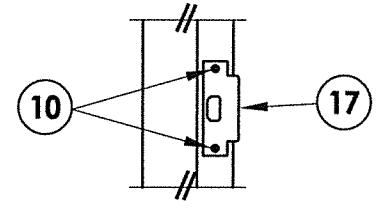
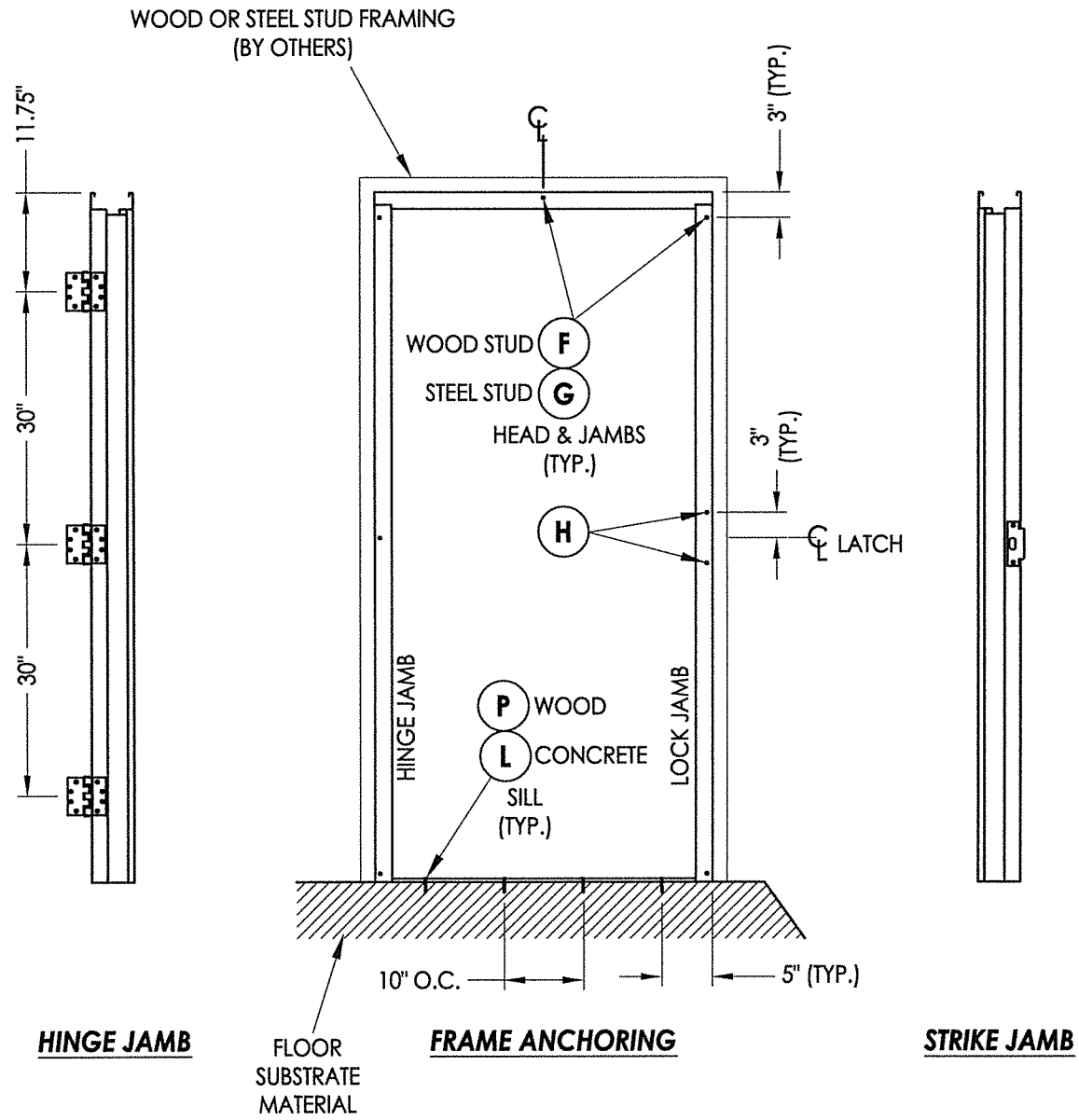


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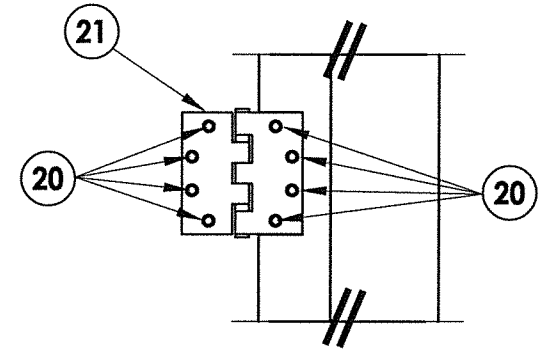
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PRODUCT:		VISION HOLLOW METAL	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
	NO.	DATE	BY
REVISIONS			
DATE: 01/26/23			
SCALE: N.T.S.			
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DRAWING NO.: TX-5293			
SHEET 4 OF 6			



LATCH DETAIL

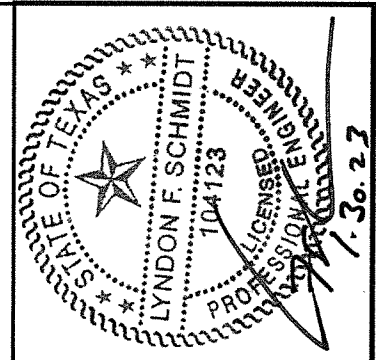


HINGE DETAIL

**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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PRODUCT: VISION HOLLOW METAL

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 01/26/23

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: TX-5293

SHEET 5 OF 6

