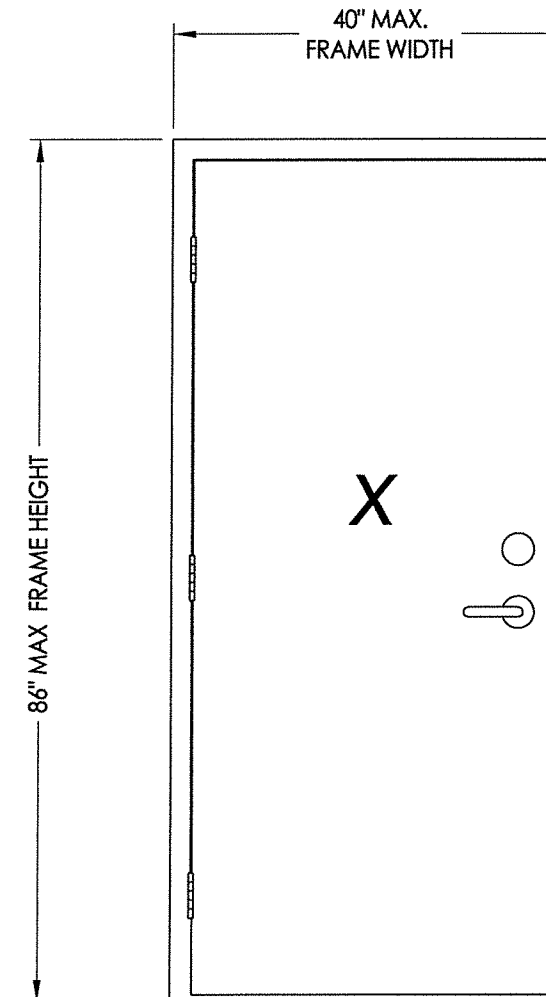


400 Zenway Blvd. Unit #1
Woodbridge, ON L4H 0S7

GENERAL NOTES

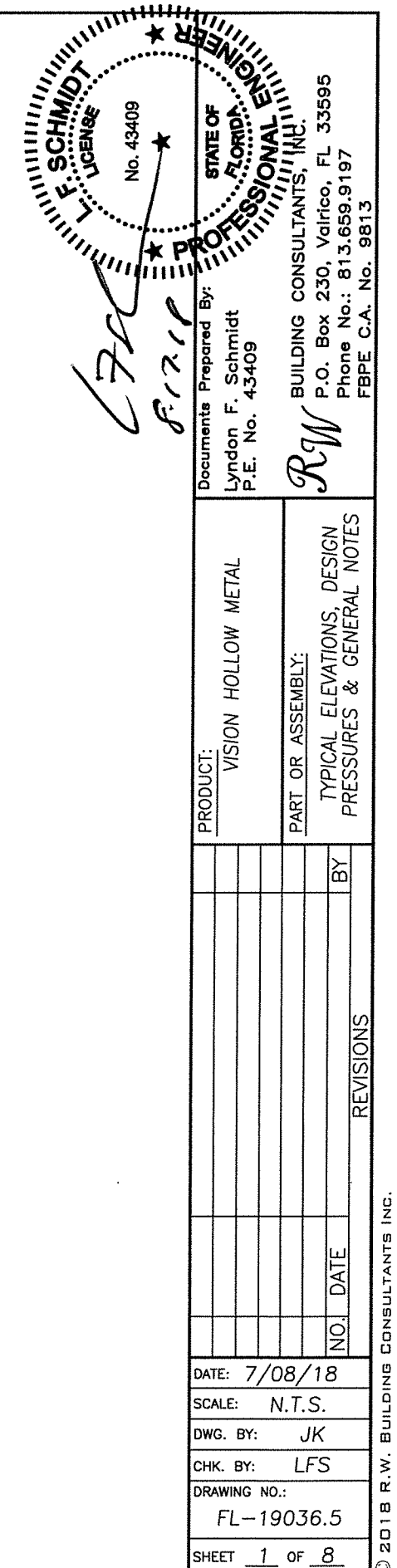
1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. 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.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6

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

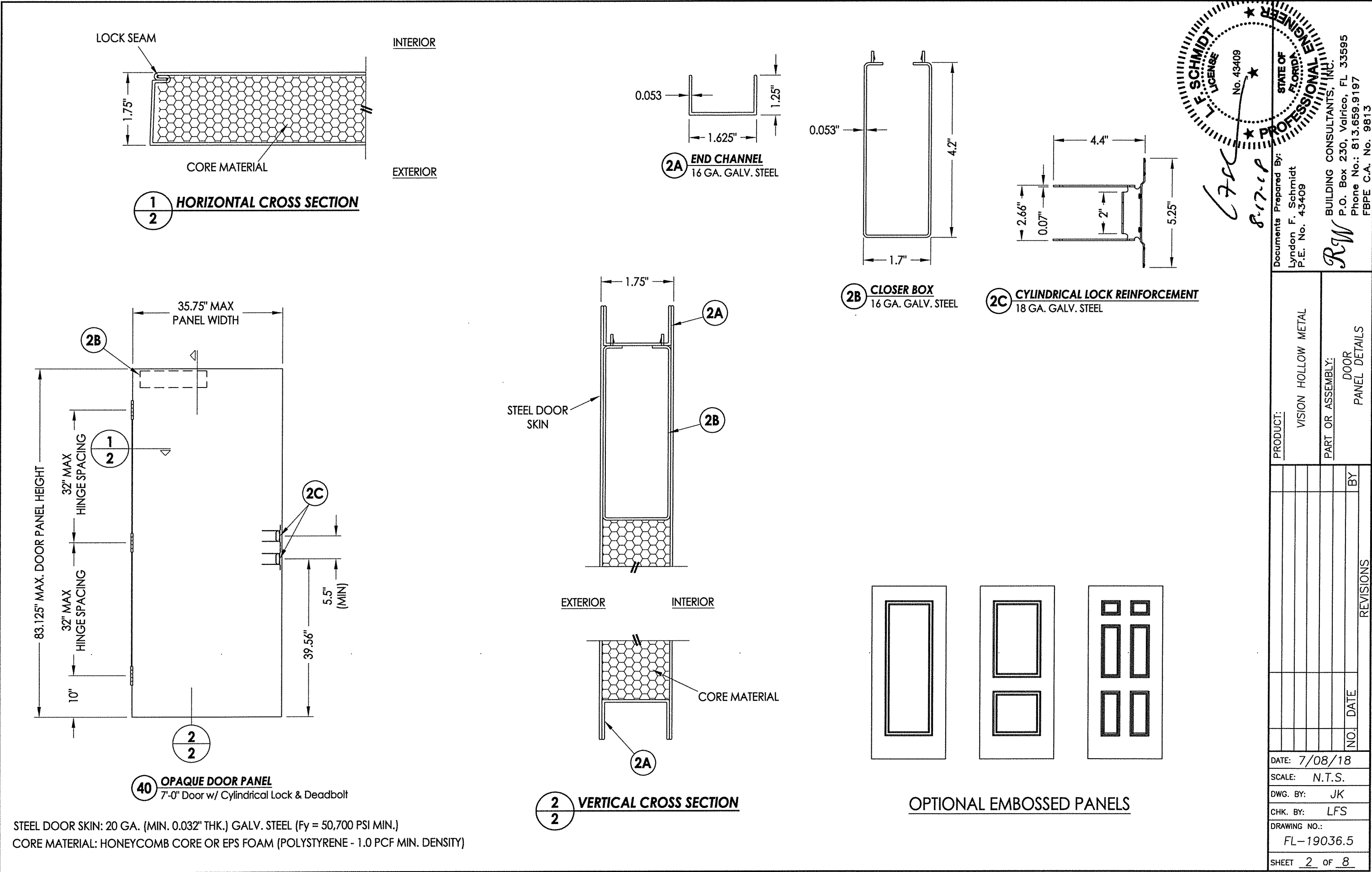


CYLINDRICAL LOCK & DEADBOLT

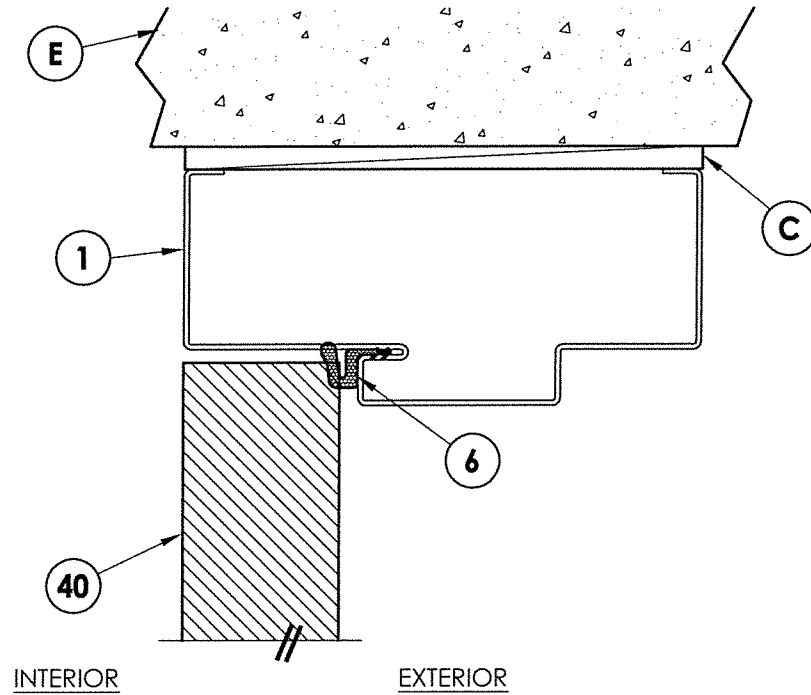
MAX. OVERALL DIMENSION	DESIGN PRESSURE (PSF) IN SWING		DESIGN PRESSURE (PSF) OUT SWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
40.0" X 86.0"	+50.0	-60.0	+55.0	-55.0



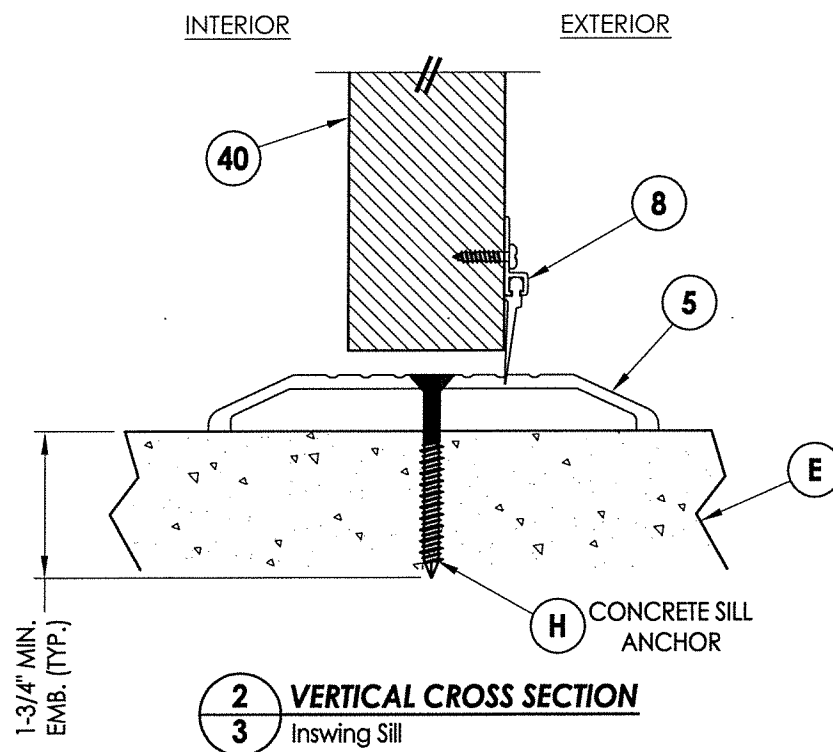
R:\Clients\Vision Hollow Metal Permanent\A - Florida Product Approvals\FL-19036\C - Drawings\FL-19036 (2017)\FL-19036.5.dwg, 2.1



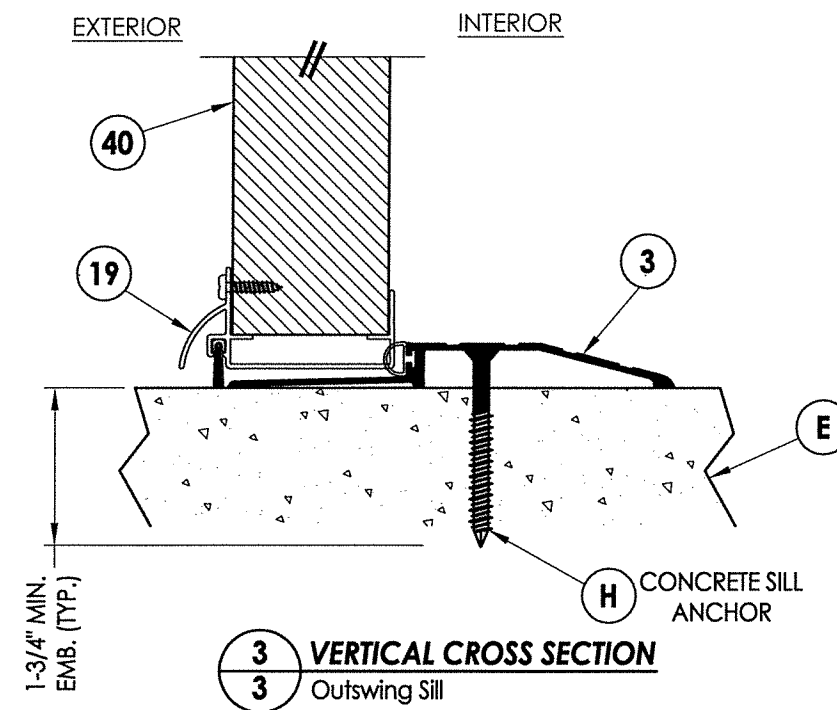
LOCK HARDWARE
<u>LEVER:</u> HAGER 2500 SERIES (GRADE 2) <u>DEADBOLT:</u> HAGER 3200 SERIES (GRADE 2) OR SCHLAGE B60N (GRADE 1)



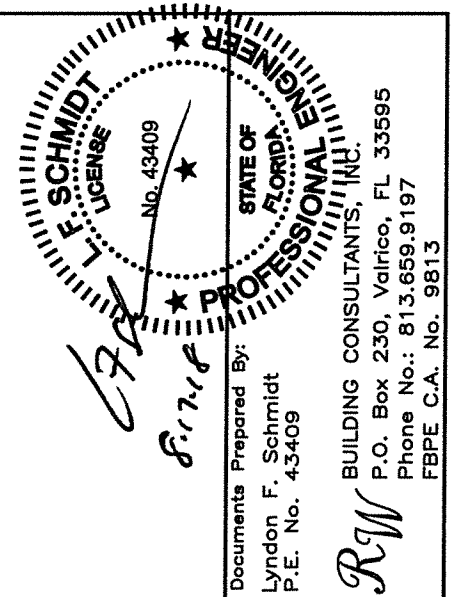
1 VERTICAL CROSS SECTION 3 Inswing Shown (Outswing Similar)



2 VERTICAL CROSS SECTION
3 Inswing Sill



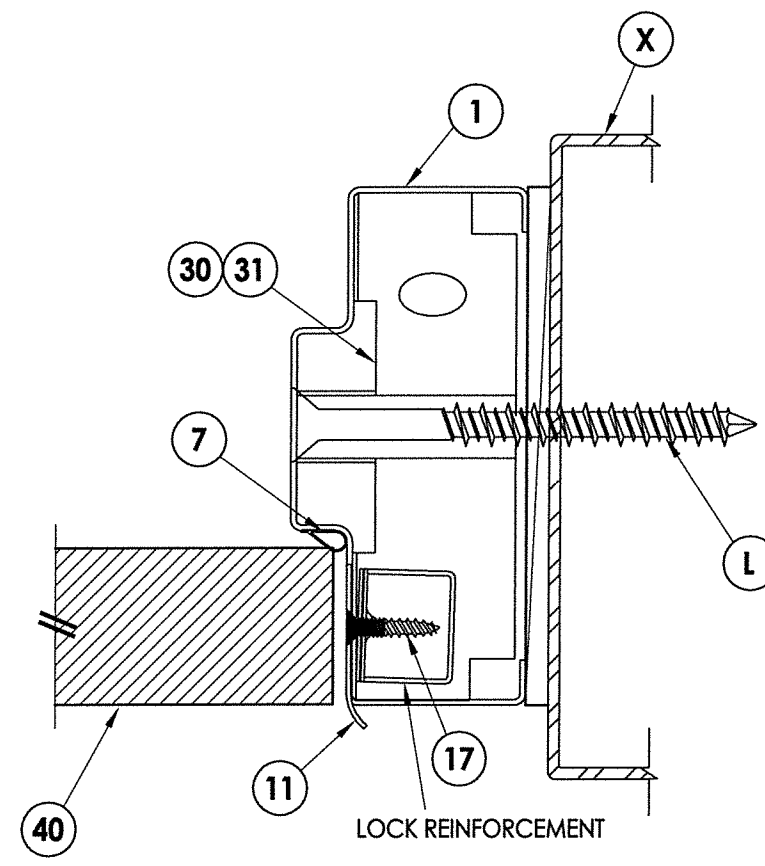
3 VERTICAL CROSS SECTION
3 Outswing Sill



DATE: 7/08/18		NO. DATE REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-19036.5			
SHEET 3 OF 8			

Horizontal cross-section diagram of a window assembly. The diagram shows the window frame (1) installed in a wall. The wall consists of a DRYWALL layer, an EXT. SHEATHING layer, and a structural core (40). The window frame is secured with fasteners (10) and sealed with CAULK TYP.). Other callouts include (X), (B), (P), (F), (33), (20), and (9).

NOTE: THE WOOD/STEEL STUD STRAP ANCHOR IS NOT QUALIFIED FOR USE IN THE "HVHZ".



		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 C.A. No. 9813	
PRODUCT: VISION HOLLOW METAL		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
REVISIONS					
DATE: 7/08/18		NO. DATE		BY	
SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-19036.5		SHEET 4 OF 8		2018 R.W. BUILDING CONSULTANTS INC.	

ANCHOR TYPE	ANCHOR LOCATION	ANCHOR SIZE	MANUFACTURER	MIN. EDGE DISTANCE	MIN. EMBEDMENT
CONCRETE ANCHOR SCREW	JAMBS	3/8"	LDT TAPCON® (ITW BUILDEX)	3"	1-1/2"
	SILL	1/4"	TAPCON® (ITW BUILDEX) ULTRACON® (ELCO) TAPPER+® (POWERS)	2-1/2"	1-3/4"
CONCRETE SLEEVE ANCHOR	JAMBS	3/8"	DYNABOLT SLEEVE ANCHOR® (ITW REDHEAD)	2-1/4"	1-1/2"

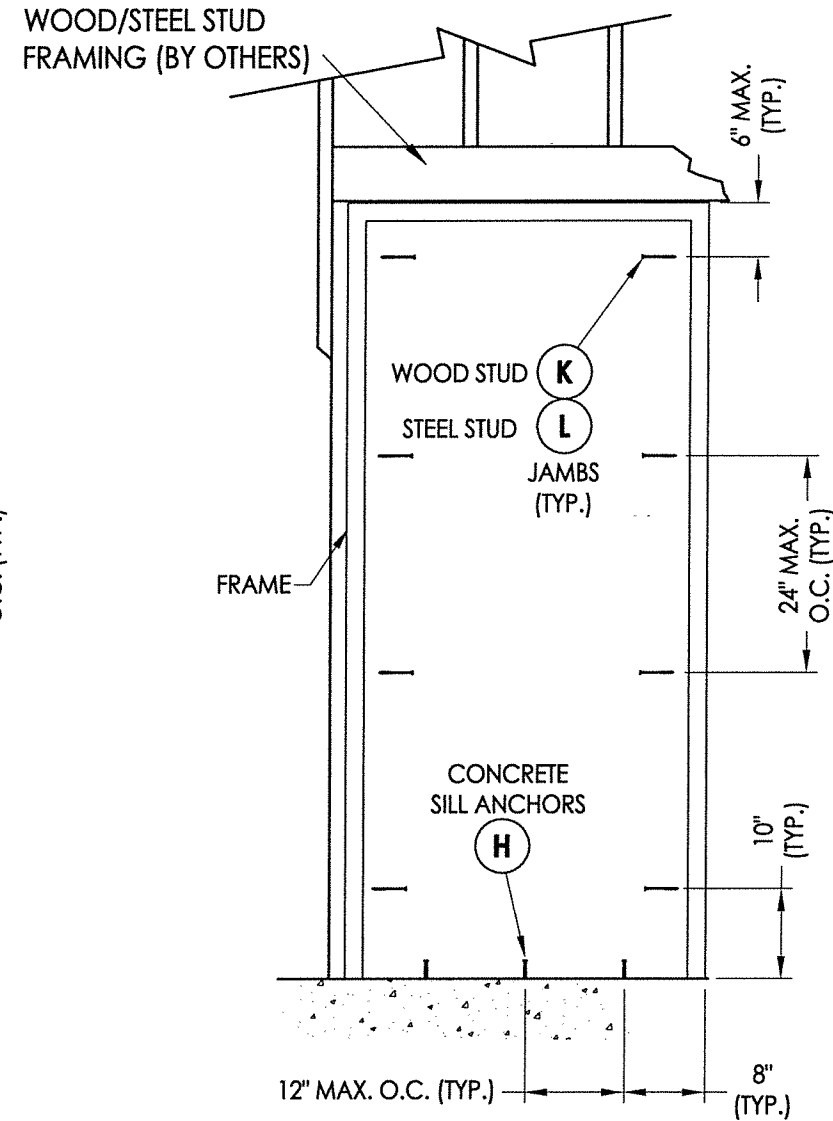


Diagram illustrating the elevation view of a door assembly, showing dimensions and components:

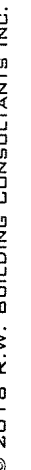
- Top Section:** 7" MAX. (TYP.)
- Door Frame:** 36" MAX. O.C. (Typical)
- Door Panel:** 36" MAX. O.C. (Typical)
- Bottom Section:** 7" MAX. (TYP.)
- Concrete Sill Anchors:** 8" (Typical)
- Label 33:** JAMBS (TYP.)
- Label H:** (Pointing to the concrete sill anchors)
- Label FRAME:** (Pointing to the door frame)
- Bottom Section:** 12" MAX. O.C. (Typical)

WOOD STUD (F)

STEEL STUD (P)

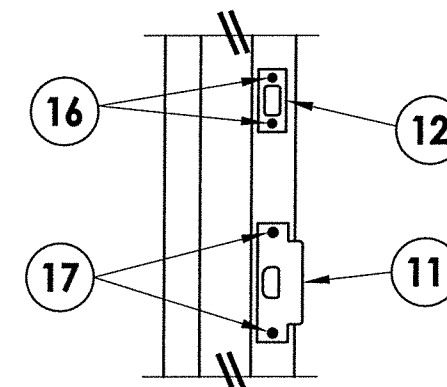
33 (EACH FACE)

(1) PER STRAP EACH FACE
(2 TOTAL)

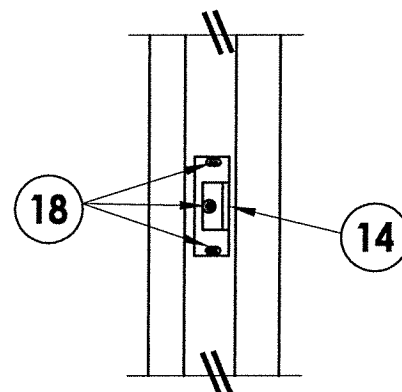


- CONCRETE ANCHOR NOTES:
1. Concrete screw locations at the corners may be adjusted to maintain a minimum 1" edge distance to mortar joints. If concrete screw locations noted as "MAX. O.C." must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required 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® (ELCO) TAPPER+® (POWERS)	2-1/2"	1-3/4"

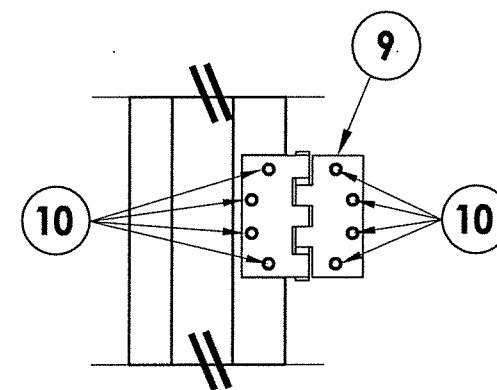


STRIKE DETAIL
Latch & Deadbolt

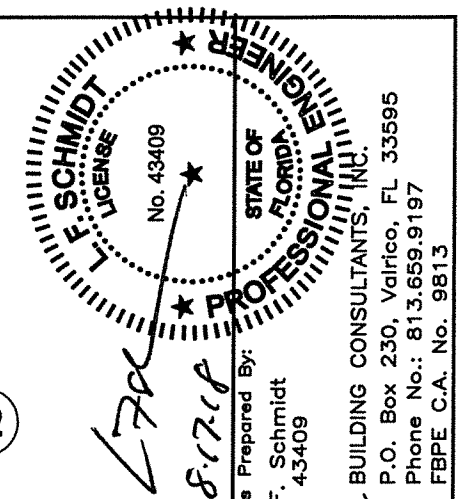


STRIKE DETAIL

Rim Exit Device



HINGE DETAIL

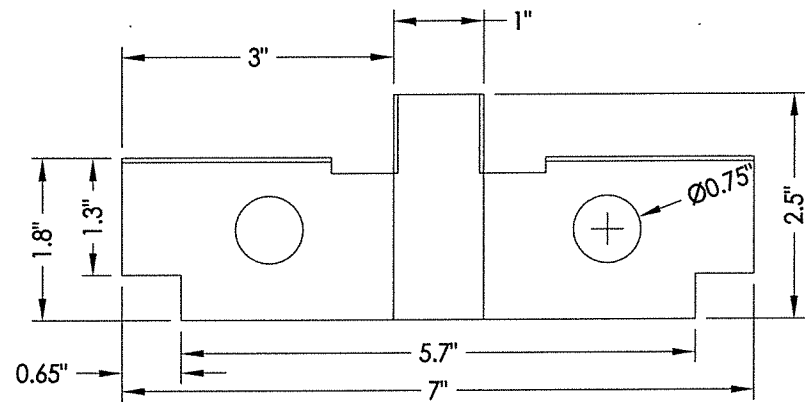


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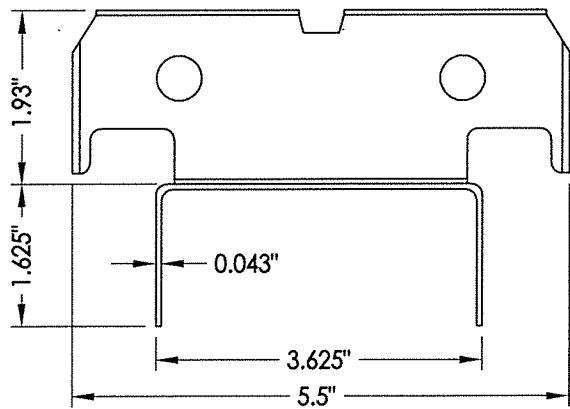
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P.O. Box 230, Valrico, FL 33595
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FBPE C.A. No. 9813

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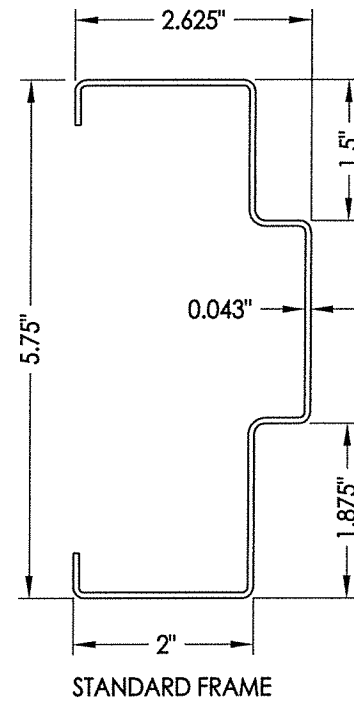
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X STUD FRAMING (G>= 0.55)	WOOD
C	1/4" MAX. SHIM SPACE	-
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90	CONCRETE
F	#8 X 1-1/2" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
H	1/4" X 1-3/4" PFH CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
J	3/8" X 5" PFH DYNABOLT SLEEVE ANCHOR (SEE CONCRETE ANCHOR TABLE)	STEEL
K	3/8" X 5" FH LAG SCREW (2-1/8" MIN. EMBEDMENT)	STEEL
L	3/8" Ø SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
M	3/8" X 5" LDT TAPCON CONCRETE SCREW (SEE CONCRETE ANCHOR TABLE)	STEEL
P	#10 X 1-1/2" FH SELF-DRILLING SMS (MUST PENETRATE MIN. 3 THREADS THROUGH STEEL STUD)	STEEL
X	STEEL STUD (0.125" MIN. THK, Fu = 50 ksi, Fy = 33 ksi)	STEEL
1	HOLLOW METAL FRAME	STEEL
3	OUTSWING THRESHOLD (HAGER 477S)	ALUM
4	FRAME WEATHERSTRIP (HAGER 875S)	-
5	ADA THRESHOLD	ALUM
6	WEATHERSTRIP (Q-LON)	-
7	WEATHERSTRIP (HAGER 736 PRESS-ON)	-
8	DOOR BOTTOM WEATHERSTRIP	-
9	HINGE (4" X 4" OR 4.5" X 4.5")	STEEL
10	#12-24 x 1/2" FH MACHINE SCREW	STEEL
11	LATCH STRIKE PLATE	STEEL
12	DEADBOLT STRIKE PLATE	STEEL
16	#8 x 3/4" FH SCREWS	STEEL
17	#12 x 1" FH SCREWS	STEEL
18	#12 x 1-1/8" PH SMS	STEEL
19	DOOR BOTTOM SHOE (NGP 95WH)	-
20	HINGE REINFORCEMENT (10 GA.)	STEEL
30	EMA PIPE ANCHOR (18 GA)	STEEL
31	EMA BUTTERFLY ANCHOR (18 GA)	STEEL
32	MASONRY WIRE ANCHOR	STEEL
33	STUD STRAP ANCHOR	STEEL
40	STEEL DOOR PANEL (7'-0" DOOR)	STEEL



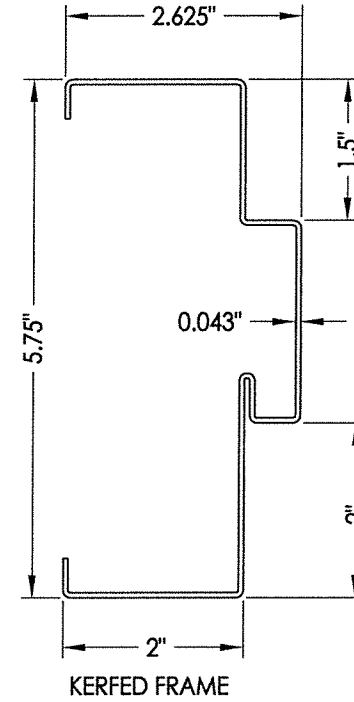
31 EMA BUTTERFLY FRAME ANCHOR



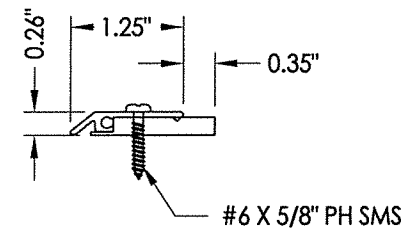
33 STUD STRAP ANCHOR



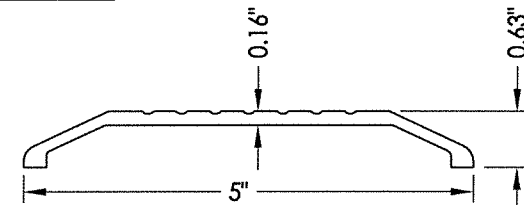
STANDARD FRAME



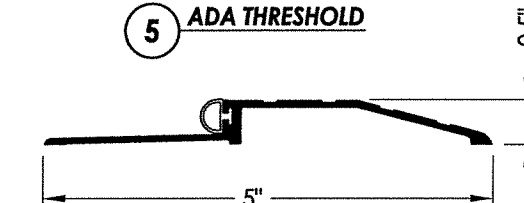
KERFED FRAME



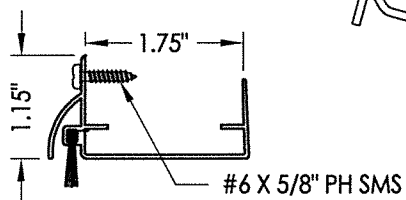
4 FRAME WEATHERSTRIP



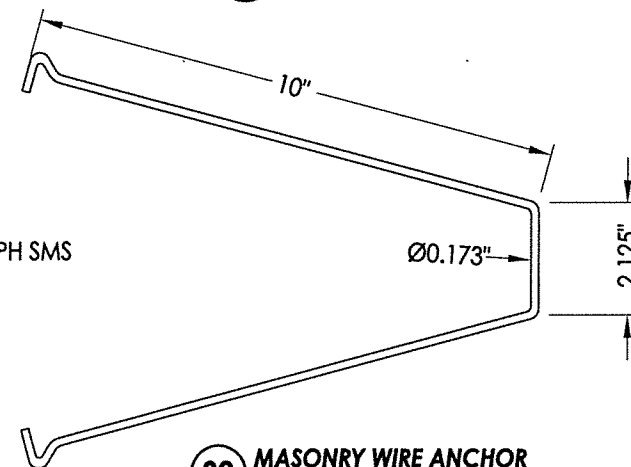
5 ADA THRESHOLD



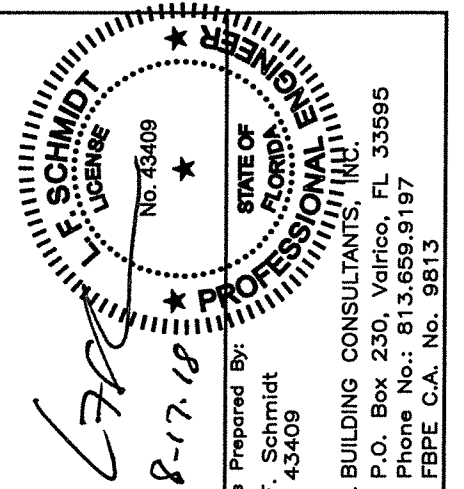
3 OUTSWING BUMP THRESHOLD



19 FRAME WEATHERSTRIP



32 MASONRY WIRE ANCHOR
60 KSI MIN.



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FBPE C.A. No. 9813

JCT: VISION HOLLOW METAL

OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

REVISIONS

DATE: 7/08/18

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-19036.5

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