

Z:\2023 FBC Drawings\Novatech Doors, Inc\FL-20873 R5\FL-20873.5-6.dwg

Novatech®

OPAQUE STEEL DOUBLE DOOR

INSWING / OUTSWING

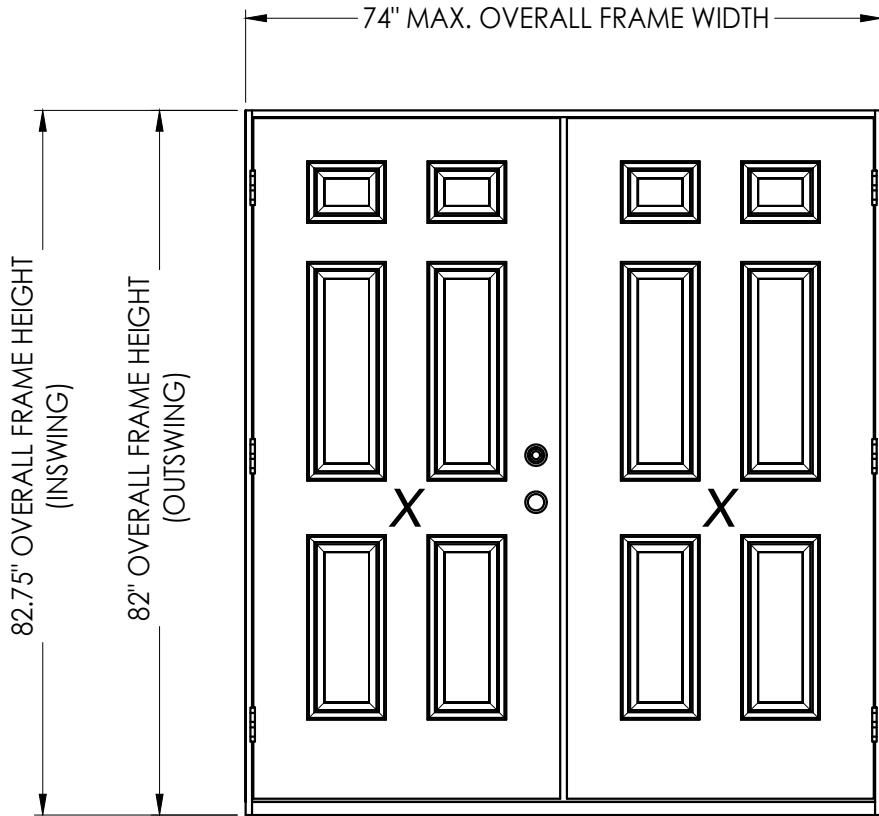
"NON-IMPACT"

GENERAL NOTES

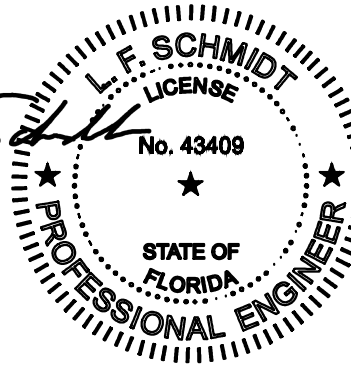
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. 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	Vertical Cross Sections
4	Horizontal Cross Sections
5	Buck & Frame Anchoring & Hardware Details
6	Bill of Materials & Components



CONFIG.	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POS.	NEG.	POS.	NEG.
XX	74.0" x 82.75"	+50.0	-50.0	+45.0	-45.0



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.13
16:47:50 -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

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

PRODUCT: NOVATECH
STEEL DOOR

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

NO.	DATE	REVISIONS			
		3	2	1	NO.
	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
	10/05/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
				BY	

DATE: 6/15/17

SCALE: N.T.S.

DWG. BY: JK

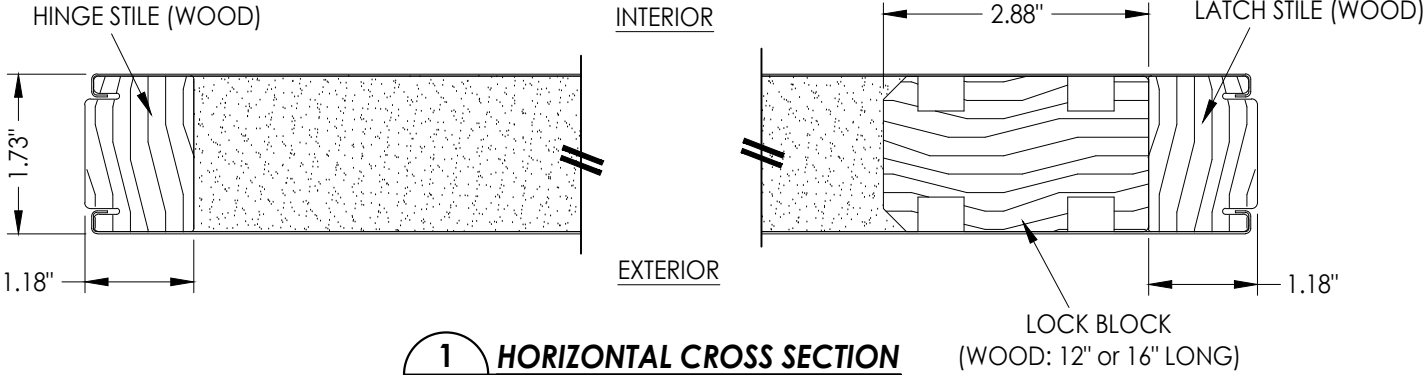
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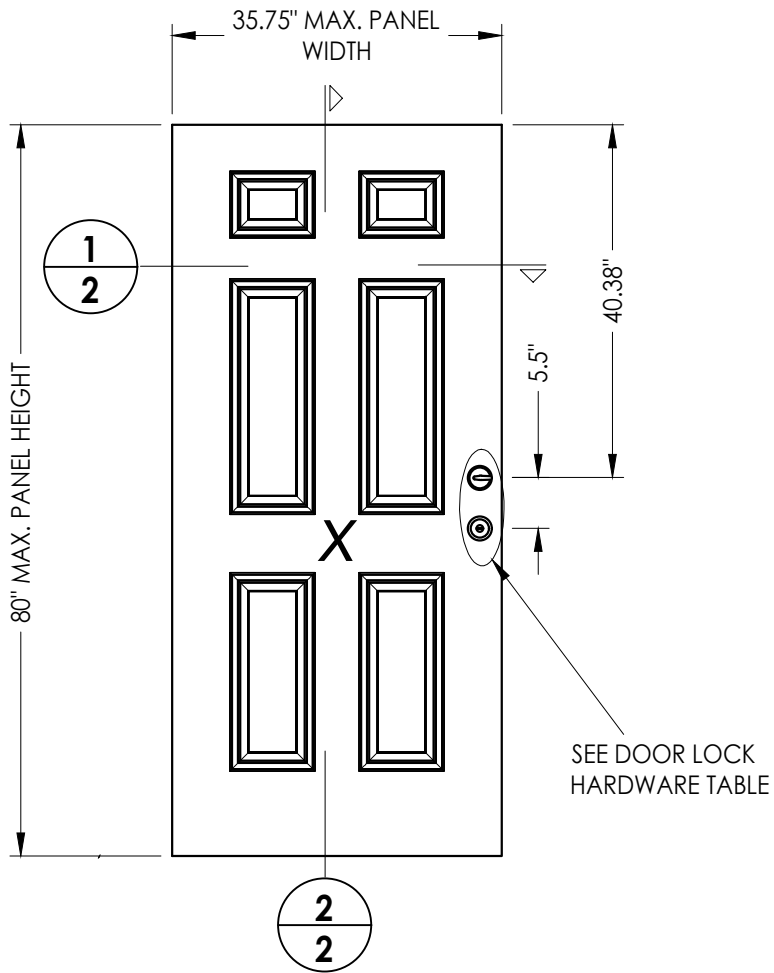
FL-20873.6

SHEET 1 OF 6

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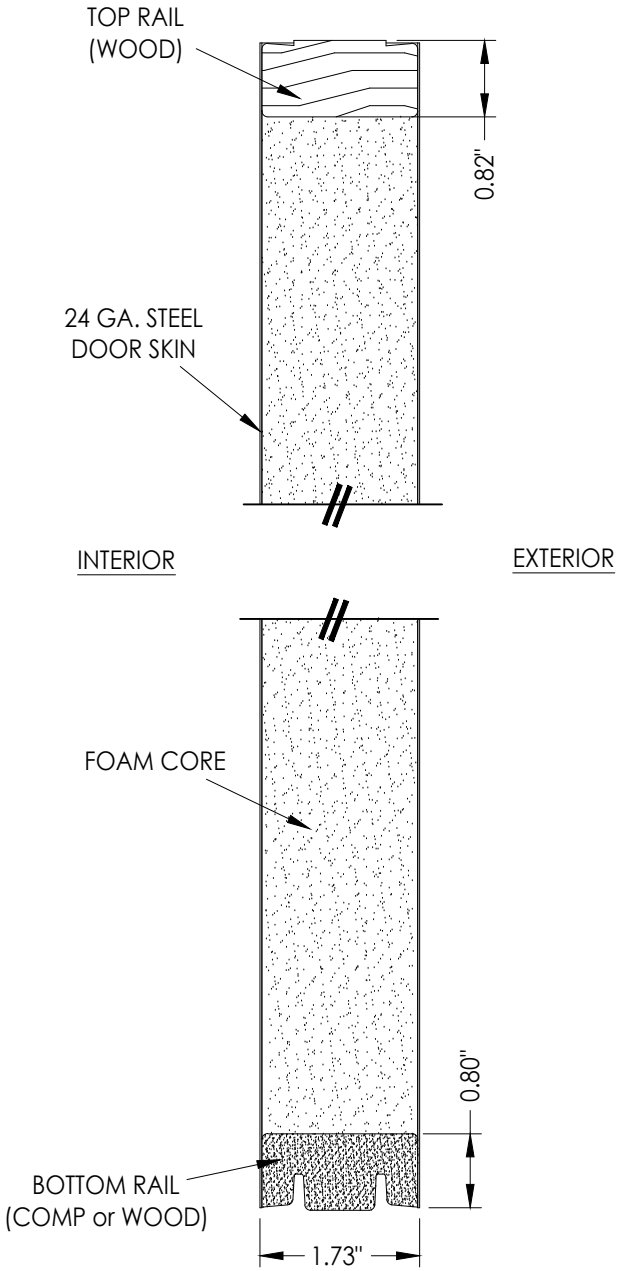
1
2 **HORIZONTAL CROSS SECTION**



40 **NOVATECH DOOR PANEL**

DOOR SKIN: 24 GA. STEEL (0.021" MIN. THICKNESS)
CORE MATERIAL: POLYURETHANE FOAM (2.0 PCF MIN.)

DOOR LOCK HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



2
2 **VERTICAL CROSS SECTION**

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PRODUCT:
NOVATECH
STEEL DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

DATE: 6/15/17

SCALE: N.T.S.

DWG. BY: JK

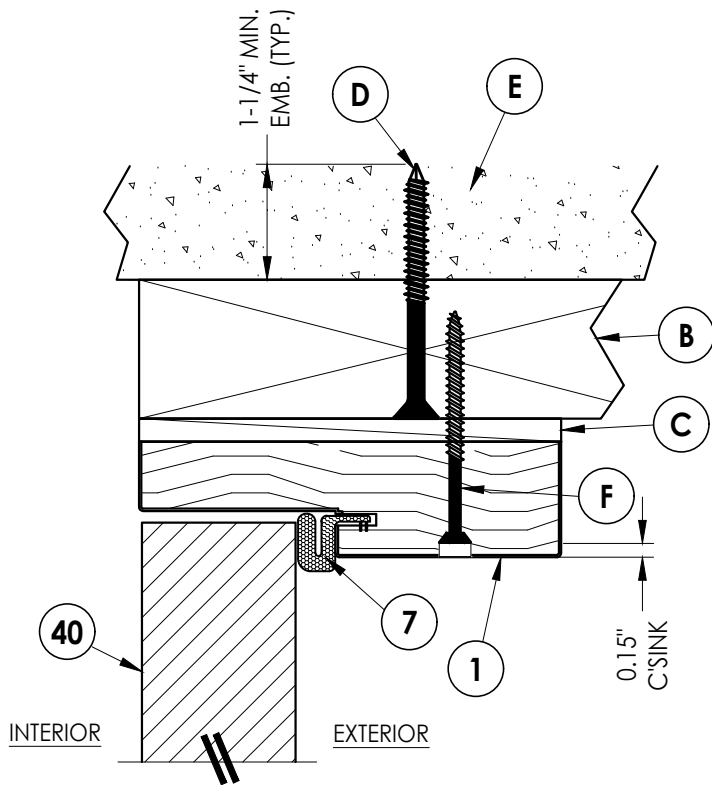
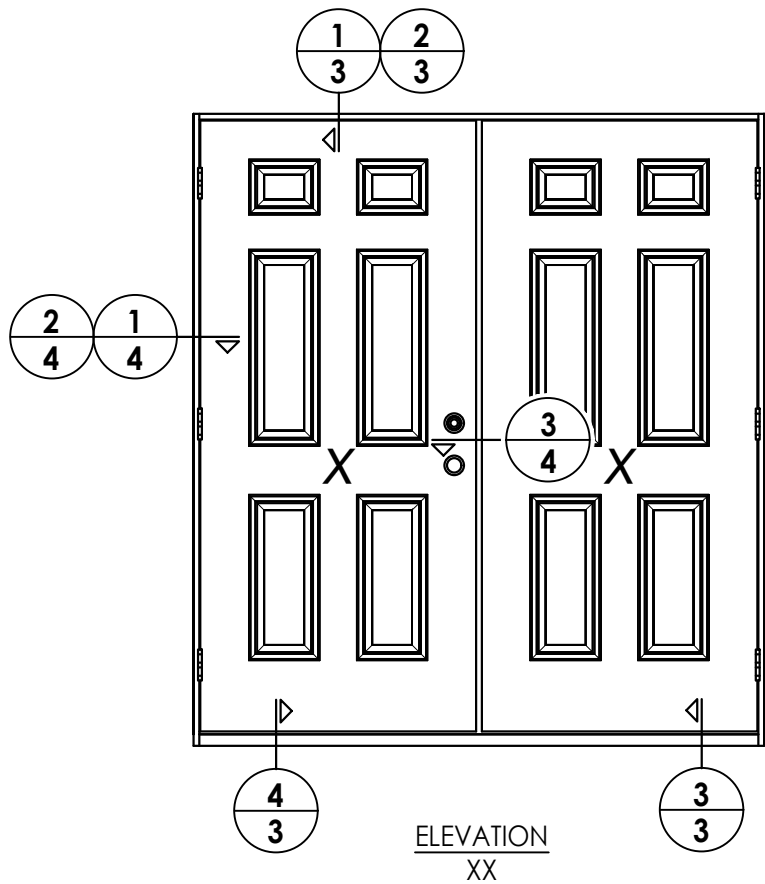
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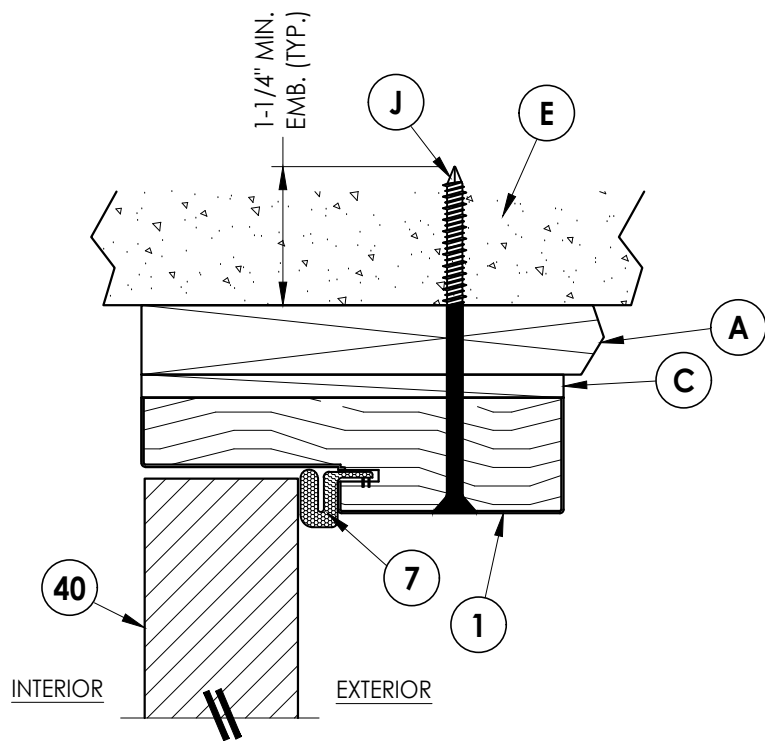
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SHEET 2 OF 6

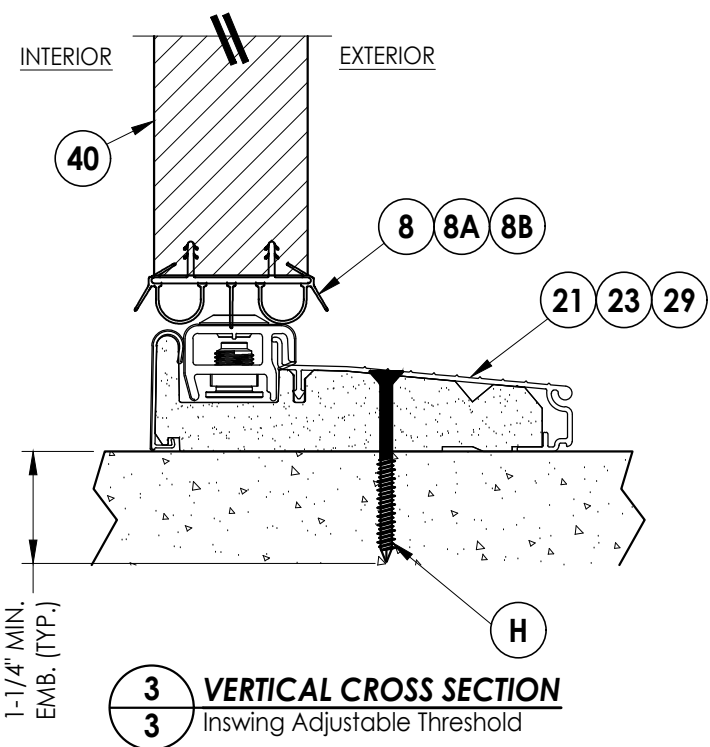
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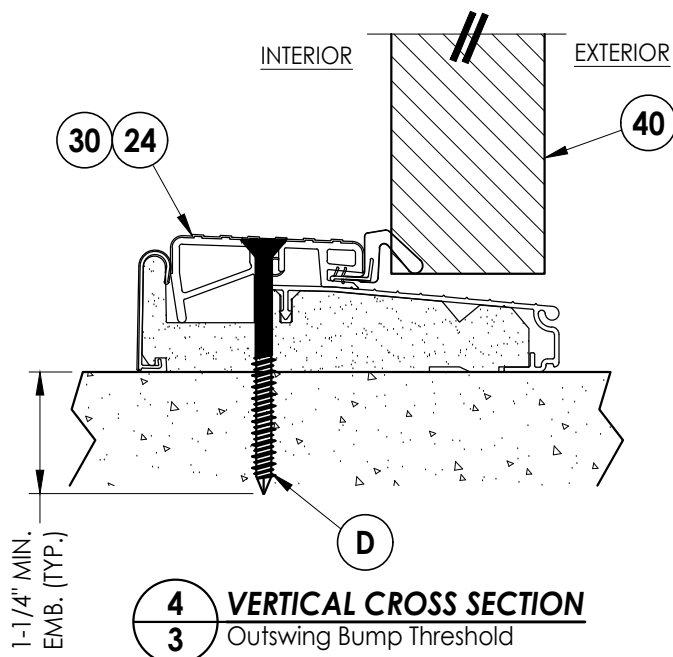
1 **VERTICAL CROSS SECTION**
3 Inswing shown (Outswing similar)
2X Buck Construction



2 **VERTICAL CROSS SECTION**
3 Inswing shown (Outswing similar)
1X Buck Construction



3 **VERTICAL CROSS SECTION**
3 Inswing Adjustable Threshold



4 **VERTICAL CROSS SECTION**
3 Outswing Bump Threshold

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PRODUCT:
NOVATECH
STEEL DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS

NO.	DATE	REVISIONS
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2	10/01/20	UPDATE TO 7TH ED. (2020) FBC LFS
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		BY

DATE: 6/15/17

SCALE: N.T.S.

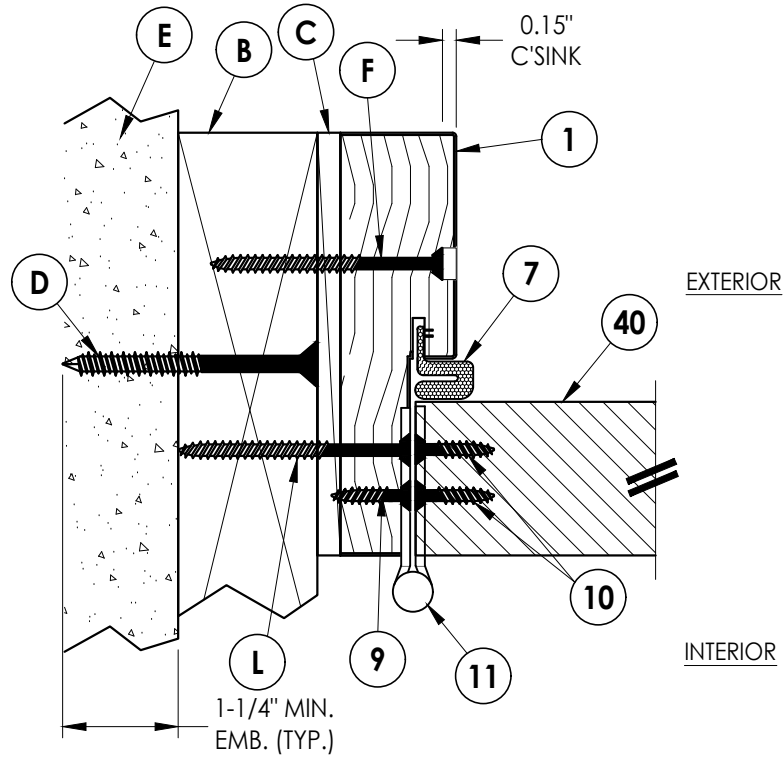
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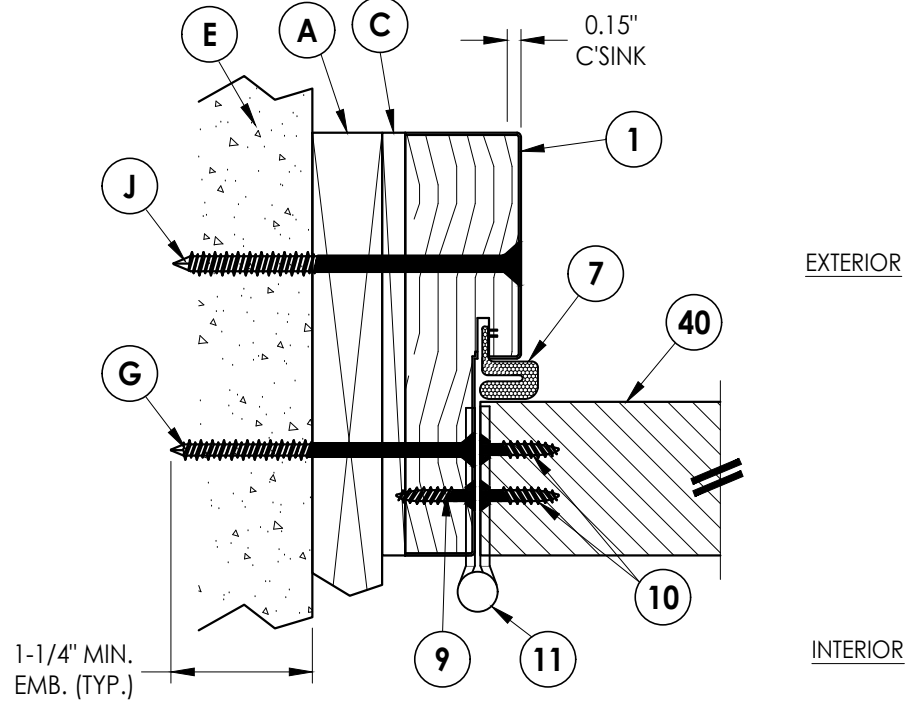
FL-20873.6

SHEET 3 OF 6

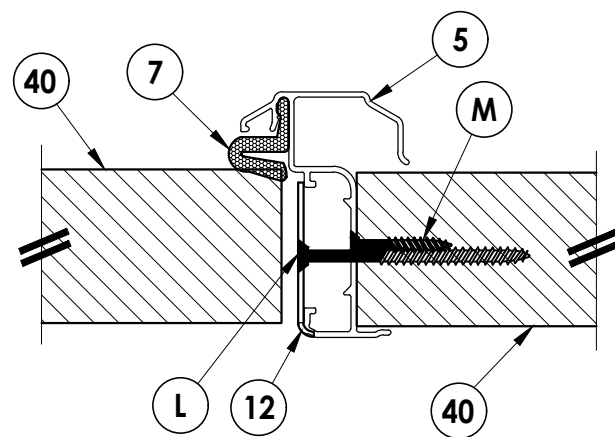


1 **HORIZONTAL CROSS SECTION**

4 Inswing shown (Outswing similar) 2X Buck Construction



2 **HORIZONTAL CROSS SECTION**
4 Inswing shown (Outswing similar)
 1X Buck Construction



3 **HORIZONTAL CROSS SECTION**

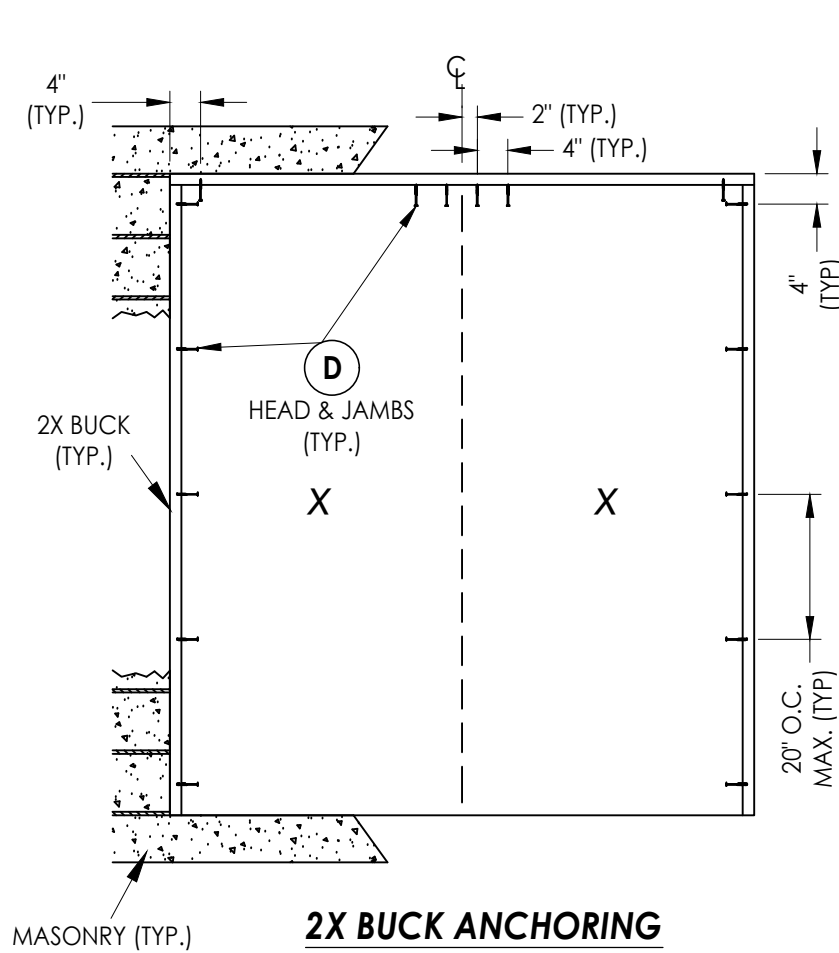
4 Inswing shown (Outswing similar)

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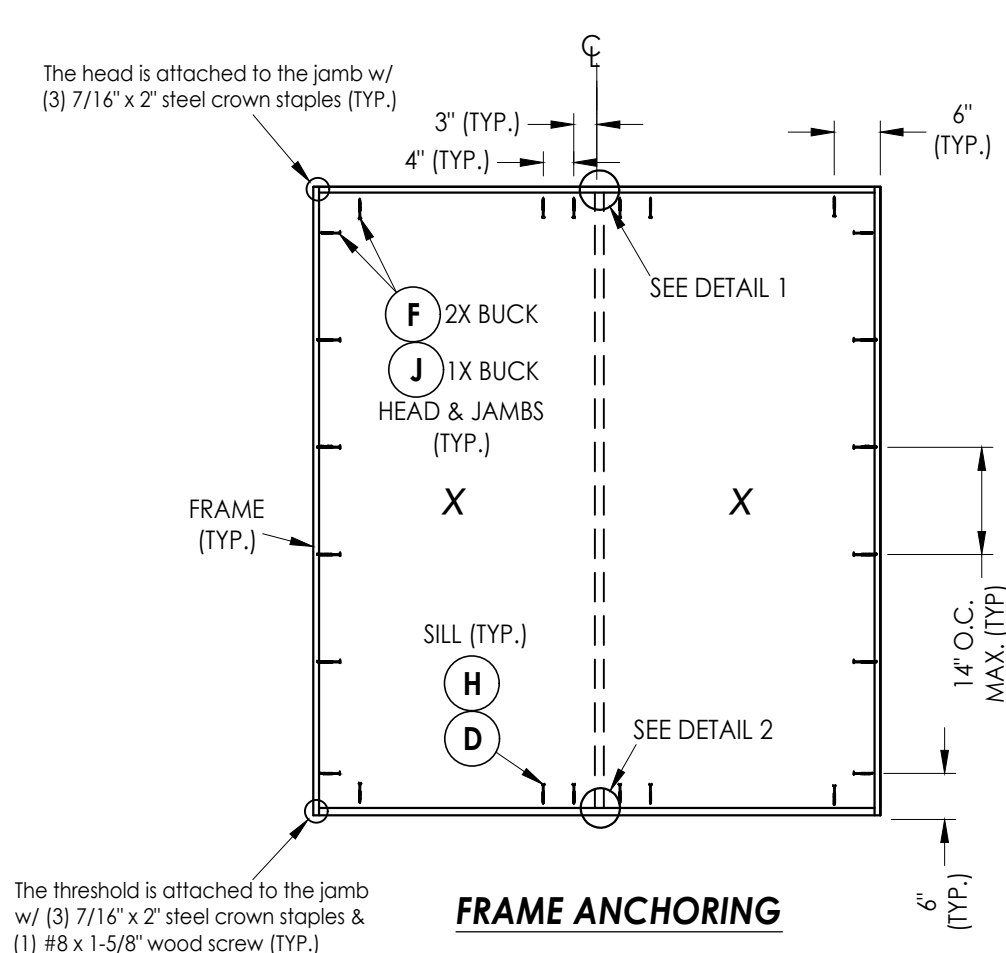
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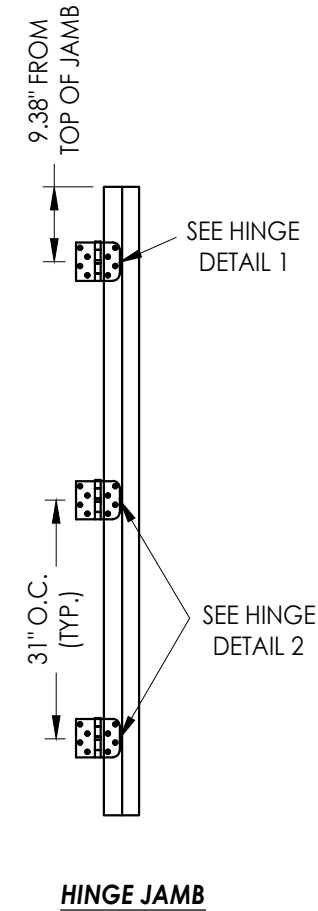
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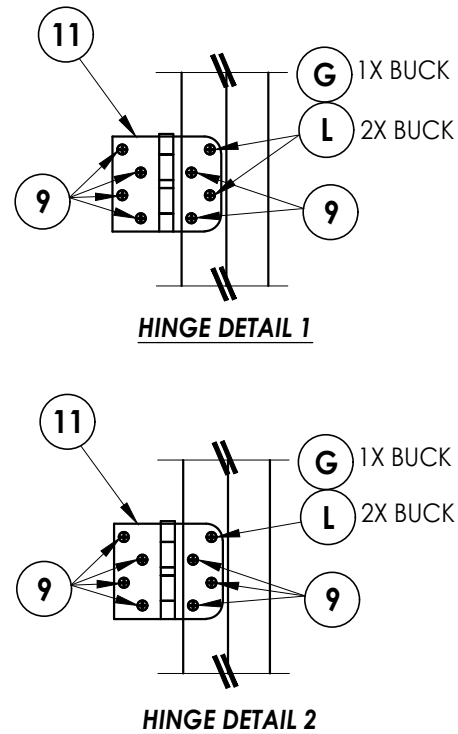
2X BUCK ANCHORING



FRAME ANCHORING

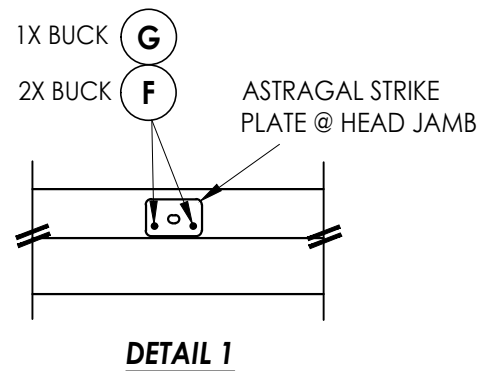


HINGE JAMB

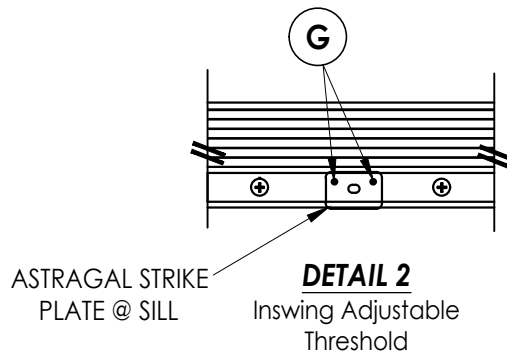


HINGE DETAIL 1

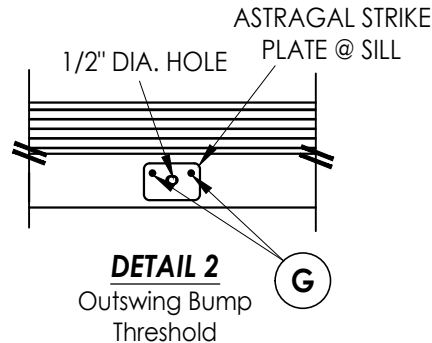
HINGE DETAIL 2



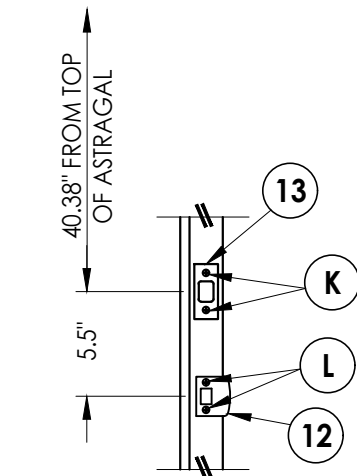
DETAIL 1



DETAIL 2



DETAIL 2



LATCH AND DEADBOLT DETAILS

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

HARDWARE DETAILS

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PART OR ASSEMBLY:
BUCK & FRAME ANCHORING & HARDWARE DETAILS

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DATE:	6/15/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20873.6
SHEET	5 OF 6

