



AMERICA'S DOORMAKER
631 N. FIRST ST. WEST BRANCH, MI 48661

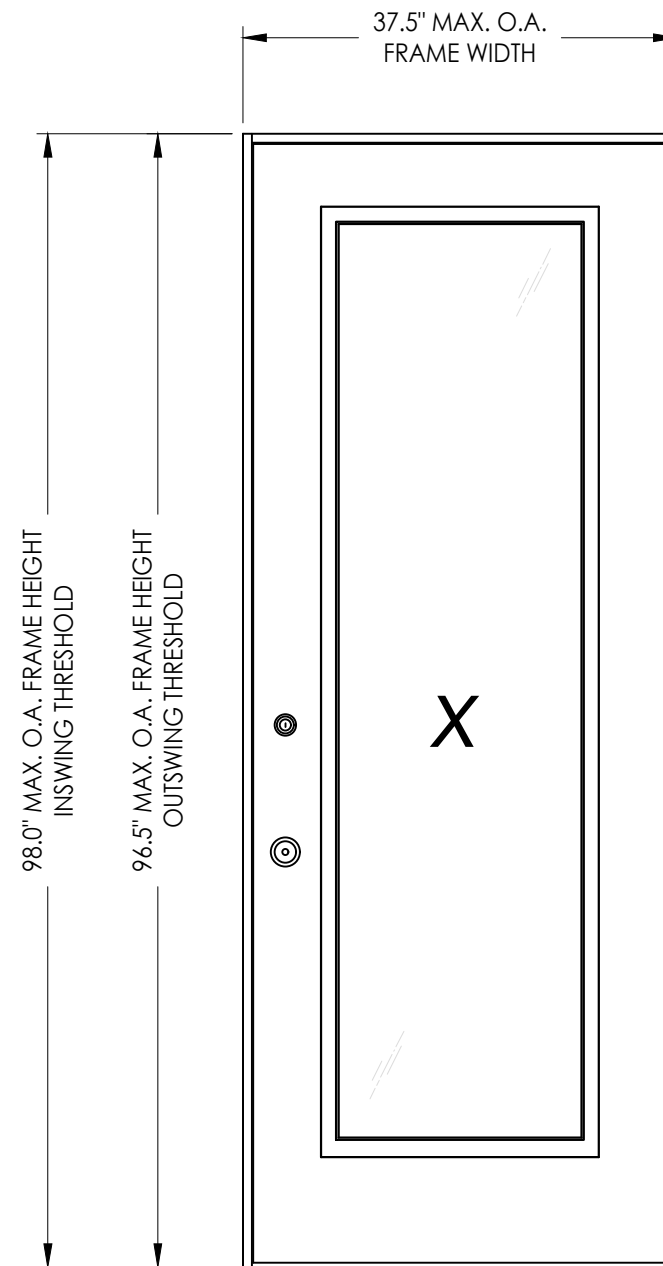
STEEL EDGE GLAZED SINGLE DOOR INSWING / OUTSWING "IMPACT"

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 complies with Section 1626 of the FBC 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. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal outswing item #31 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations when using item #41 do not meet the water infiltration requirements for the "HVHZ". These units 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.
9. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

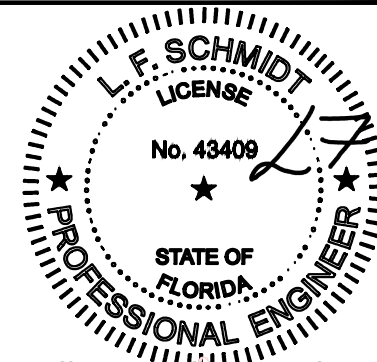
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6	Frame anchoring 1X buck masonry construction
7	Bill of Materials and components



GLAZED SINGLE DOOR

SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
INSWING	37.5" x 98.0"	+50.0	-50.0
OUTSWING	37.5" x 96.5"	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.18 17:05:10 -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

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

PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR
PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC
1	1/10/12	UPDATED TO 2010 FBC

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

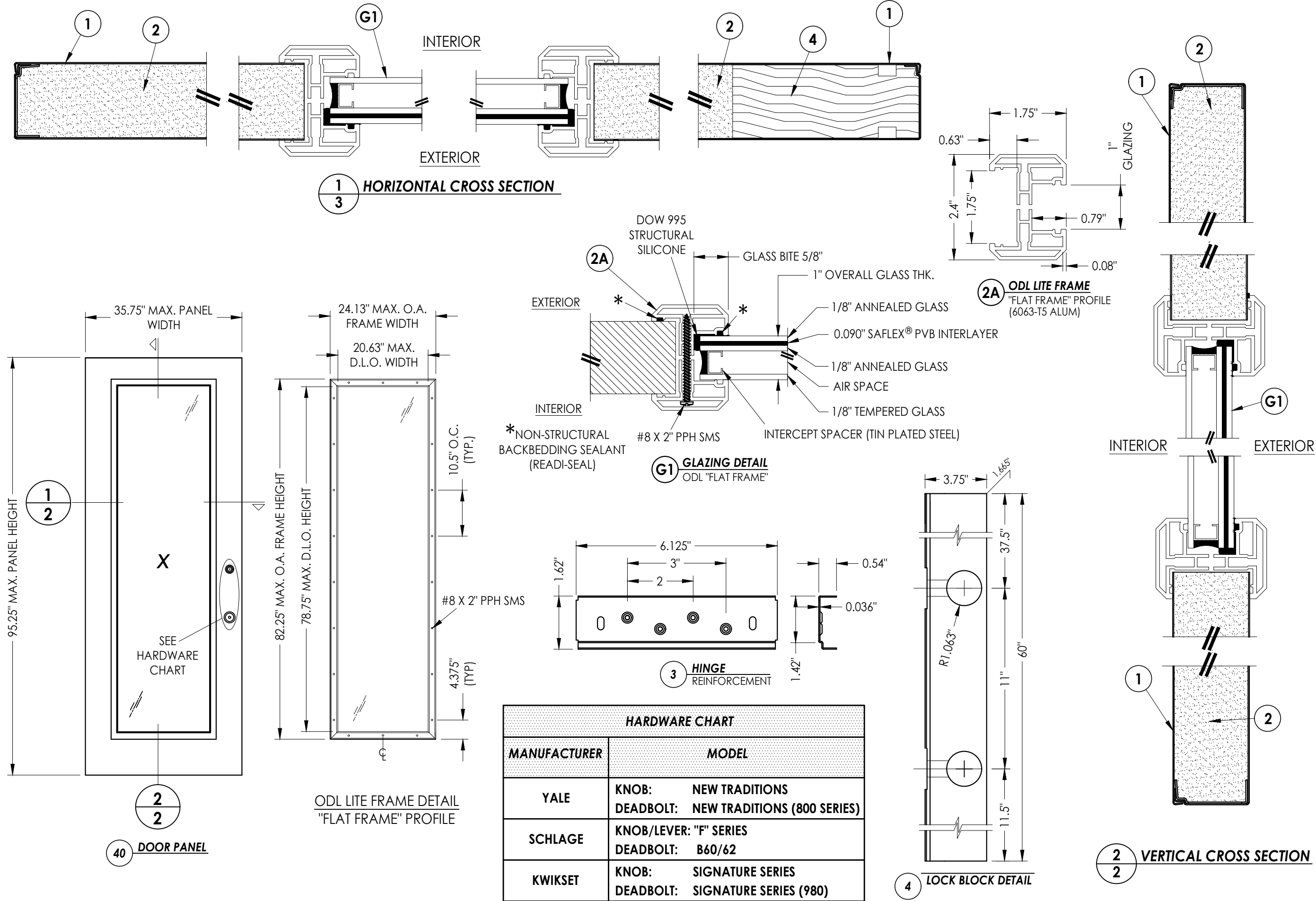
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DRAWING NO.:

FL-8845.6

SHEET 1 OF 7

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HARDWARE CHART		
MANUFACTURER	MODEL	
YALE	Knob:	NEW TRADITIONS
	DEADBOLT:	NEW TRADITIONS (800 SERIES)
SCHLAGE	Knob/Lever:	"F" SERIES
	DEADBOLT:	B60/62
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

Documents Prepared By:
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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:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS,
GLAZING DETAIL & COMPONENTS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/16/20	UPDATE TO 7th ED (2020) FBC LFS
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC JK
2	3/9/15	UPDATE TO 5TH ED. (2014) FBC JK
1	1/10/12	UPDATED TO 2010 FBC KV

DATE: 05/04/07

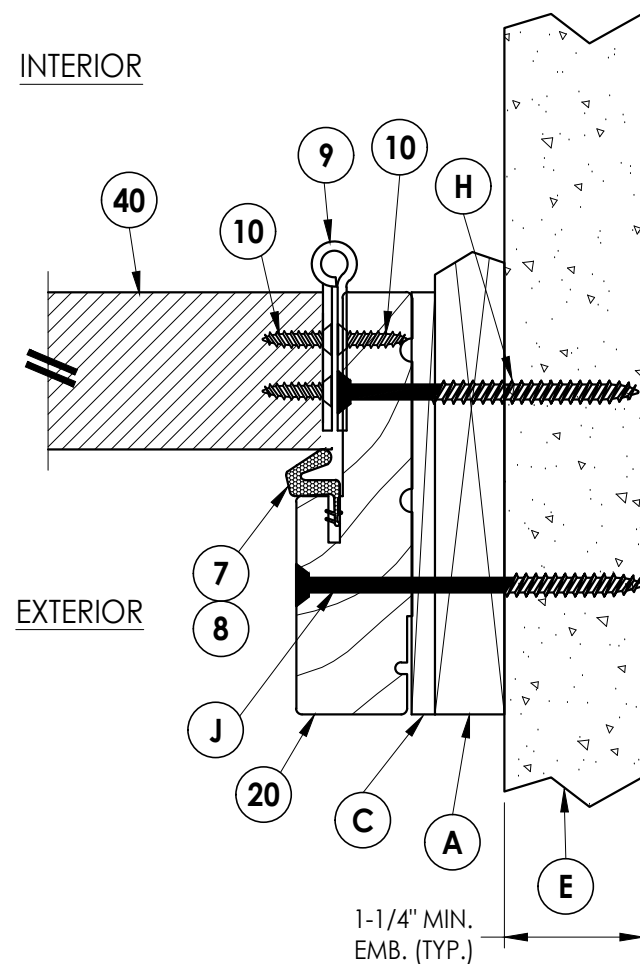
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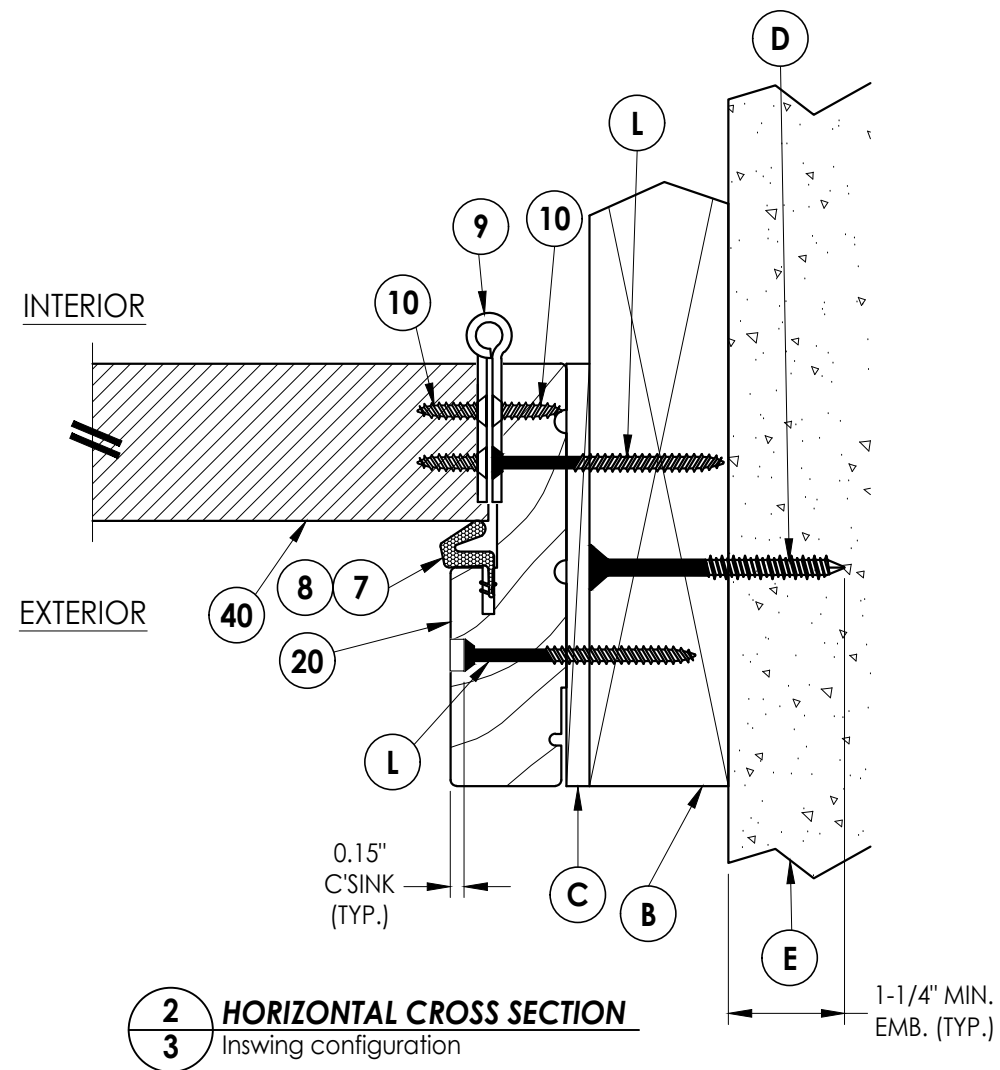
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SHEET 2 OF 7



3 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck



2 HORIZONTAL CROSS SECTION

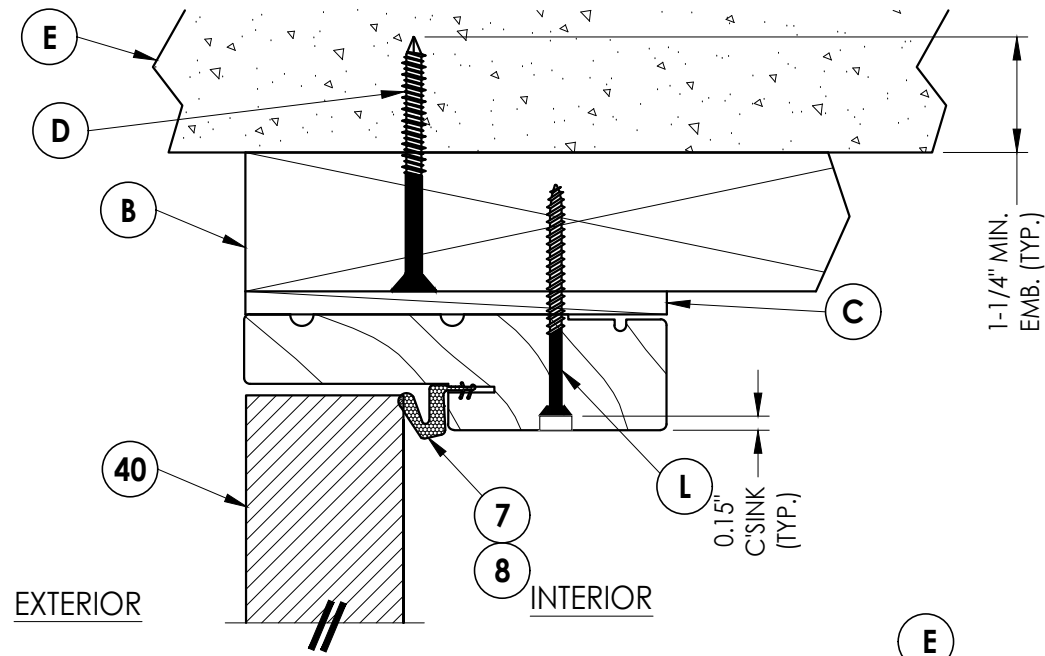
3 Inswing configuration

5	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	7/16/20	UPDATE TO 7th ED (2020)	FBC	LFS	
3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK	
1	1/10/12	UPDATED TO 2010 FBC		KV	
NO.	DATE			BY	
					REVISIONS
DATE: 05/04/07					
SCALE: N.T.S.					
DWG. BY: AEM					
CHK. BY: LFS					
DRAWING NO.: FL-8845.6					
SHEET 3 OF 7					

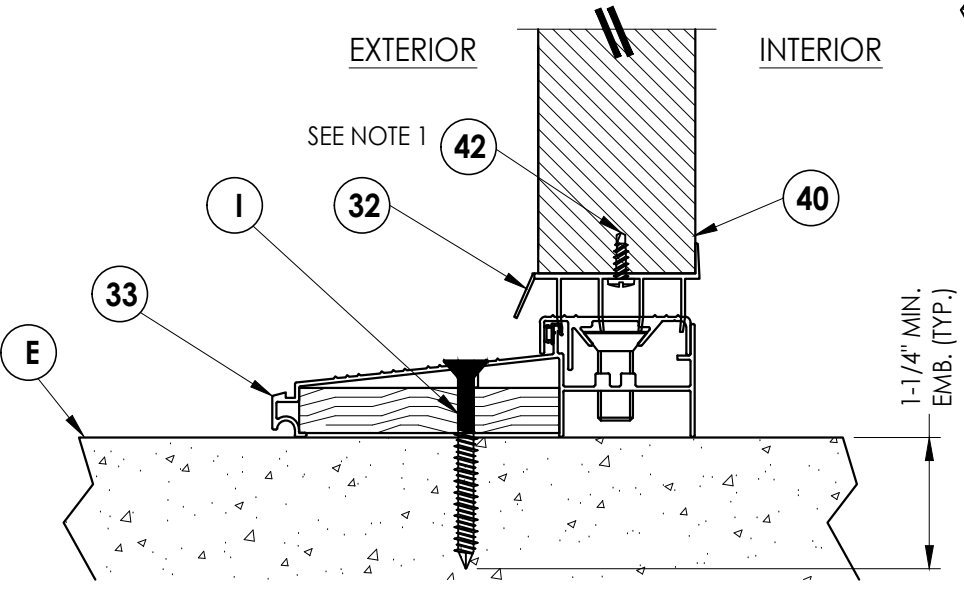
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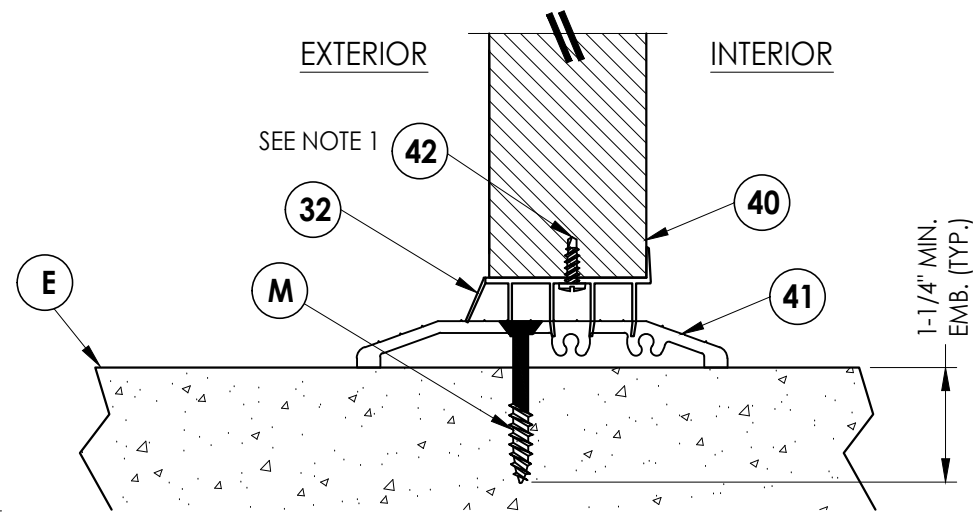
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1
4 VERTICAL CROSS SECTION

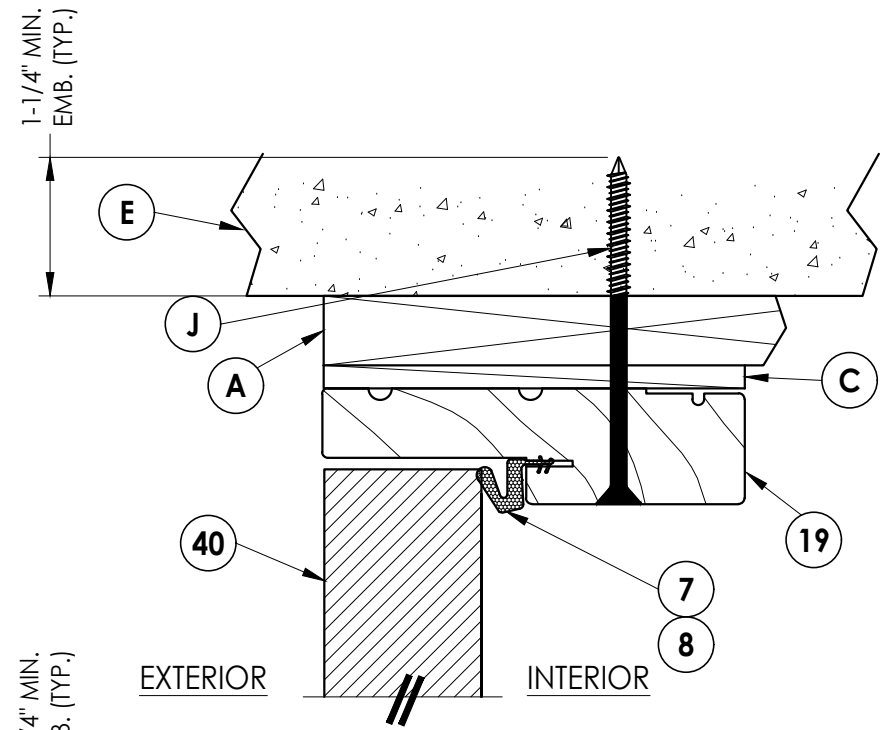


3
4 VERTICAL CROSS SECTION
Inswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

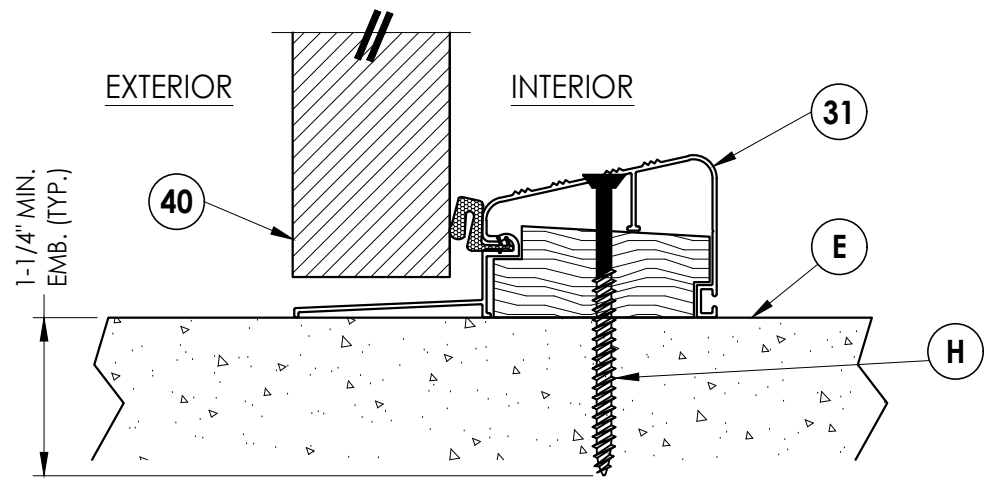


5
4 VERTICAL CROSS SECTION
Inswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

NOTE:
1. Item #42 located 2" from each
end plus 2 more equally spaced.



2
4 VERTICAL CROSS SECTION
Shown w/1X sub-buck



4
4 VERTICAL CROSS SECTION
Outswing configuration
see general notes, sheet 1
for "HVHZ" water infiltration
requirements

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PRODUCT:
TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
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1	1/10/12	UPDATED TO 2010 FBC

DATE: 05/04/07

SCALE: N.T.S.

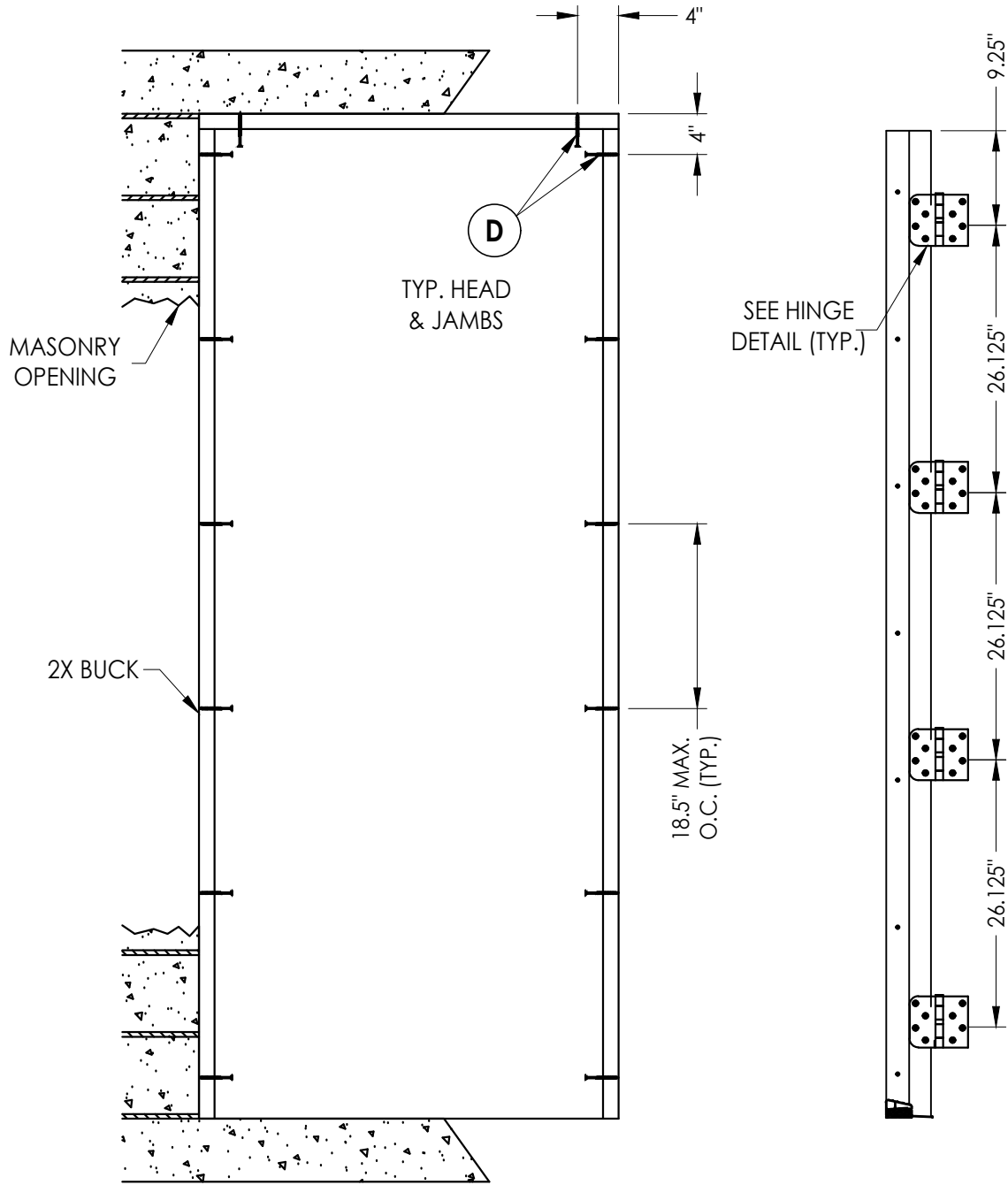
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CHK. BY: LFS

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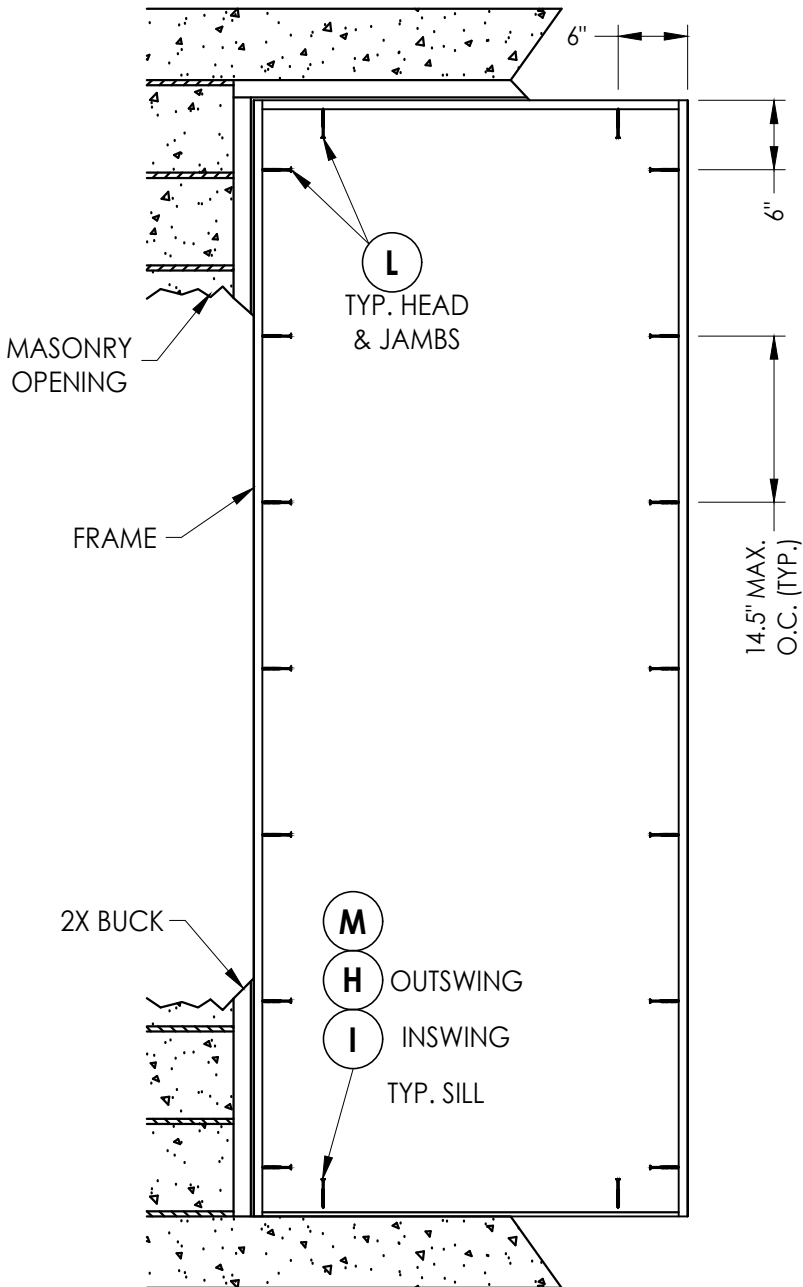
SHEET 4 OF 7

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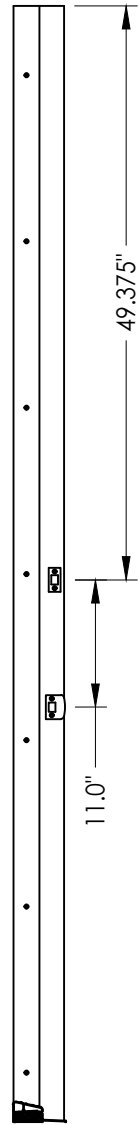


BUCK ANCHORING

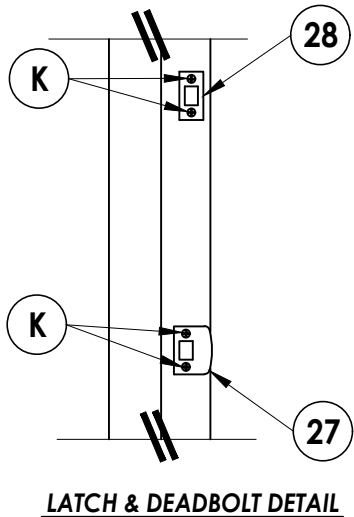
HINGE JAMB



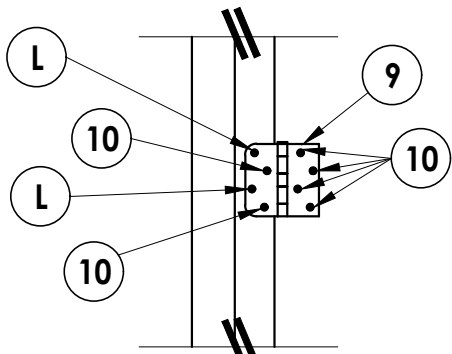
FRAME ANCHORING
Masonry 2X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

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 TAPCON®	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.

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PRODUCT: TAYLOR DOORS
STEEL EDGE DOOR

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/16/20	UPDATE TO 7th ED (2020) FBC
3	7/20/17	UPDATE TO 6TH ED. (2017) FBC
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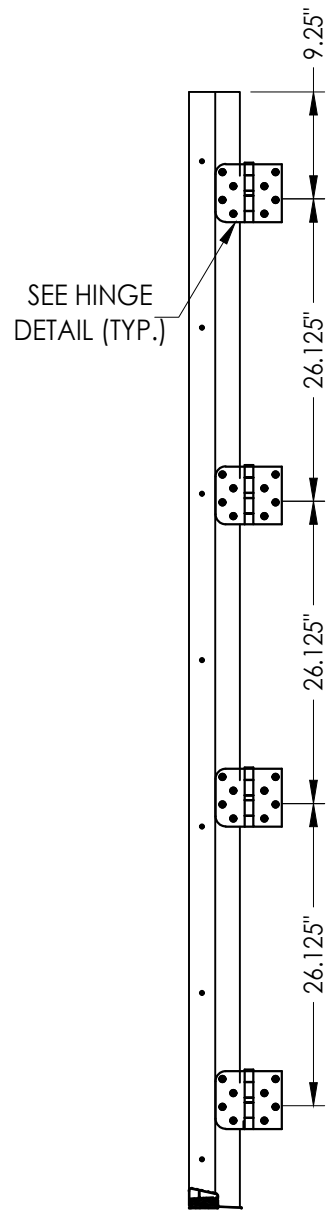
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CHK. BY: LFS

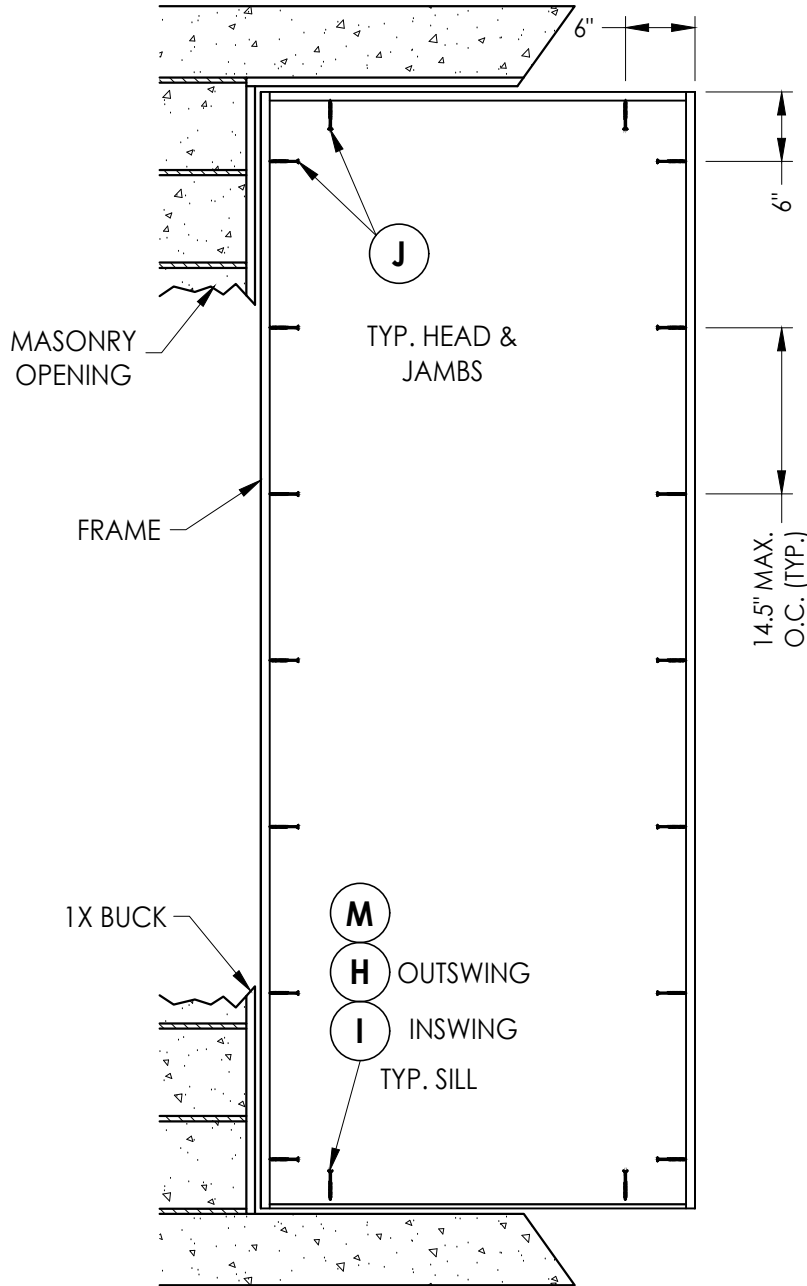
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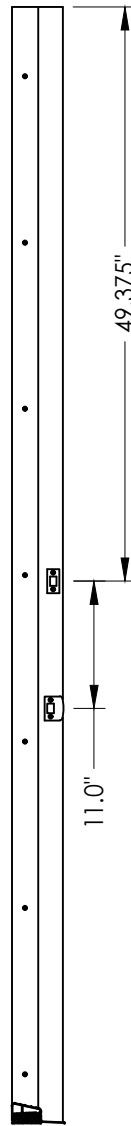
SHEET 5 OF 7



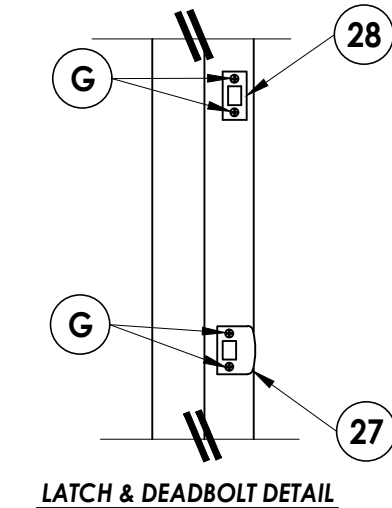
HINGE JAMB



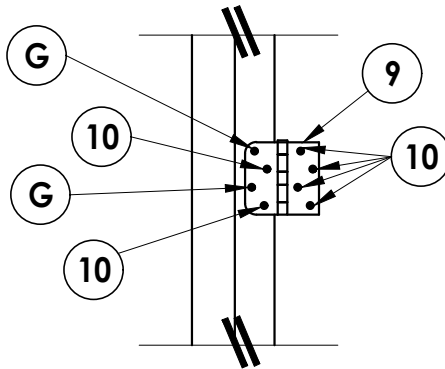
FRAME ANCHORING
Masonry 1X buck construction



STRIKE JAMB



LATCH & DEADBOLT DETAIL



HINGE DETAIL

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

WOOD SCREW INSTALLATION NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. Concrete anchor table:

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3	7/20/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	3/9/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1	1/10/12	UPDATED TO 2010 FBC		KV
NO.	DATE			BY
			REVISIONS	

DATE: 05/04/07

SCALE: N.T.S.

DWG. BY: AEM

CHK. BY: LFS

DRAWING NO.:

FL-8845.6

SHEET 6 OF 7

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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