

Dunbarton
CORPORATION

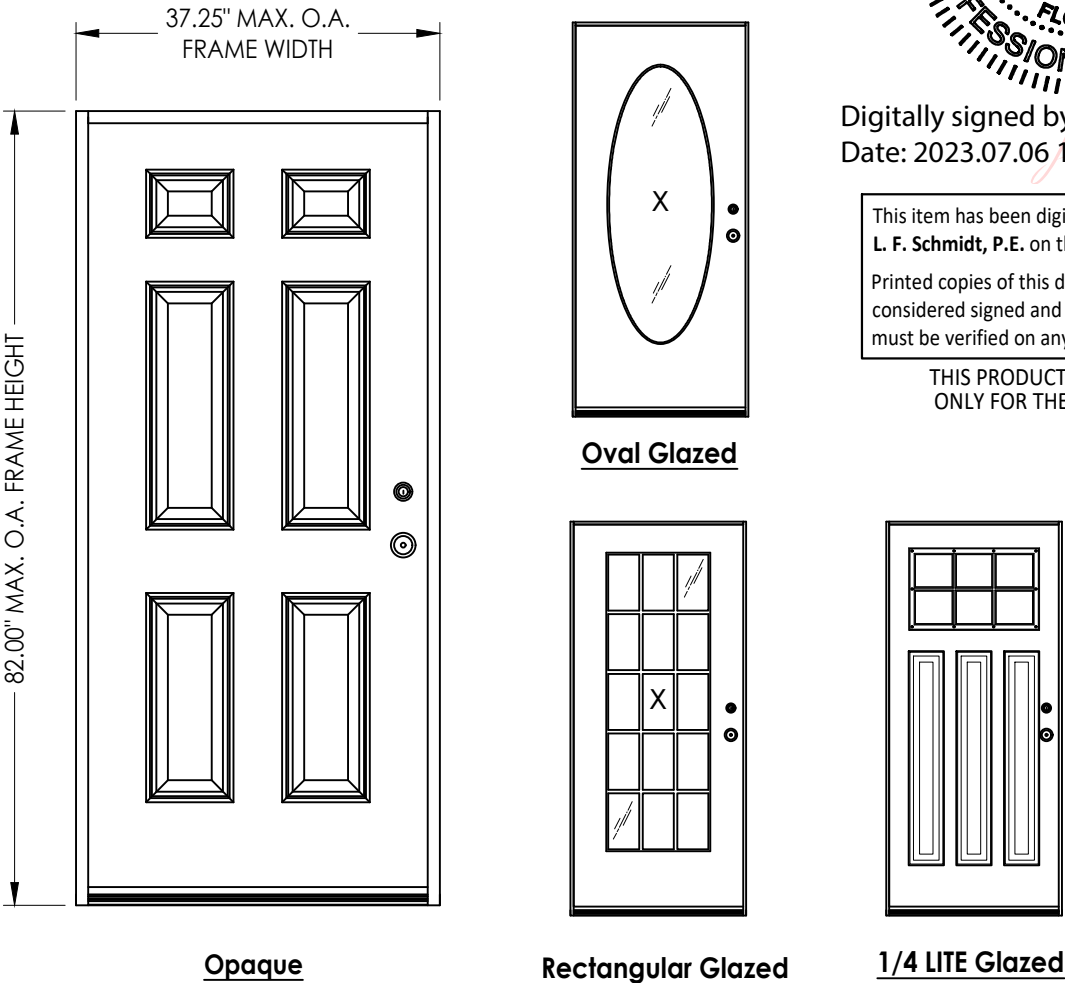
868 MURRAY ROAD, DOTHAN, AL 36303

ACHIEVER "ES"
Composite Frame System
Utilizing a Fiberglass Door Panel
INSWING
"NON-IMPACT"

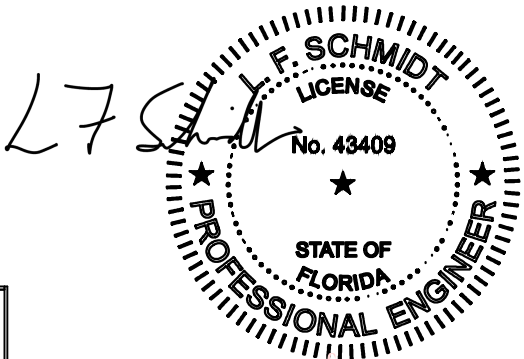
GENERAL NOTES

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
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2	Door panel details
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8	Frame anchoring - 1X wood buck
9	Bill of materials and components



DOOR TYPE	OVERALL FRAME DIMENSION	OVERALL DOOR PANEL DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
Oval Glazed	37.75" X 82.00"	35.75" X 79.00"	+50.0	-55.0
Rectangular Glazed			+50.0	-55.0
1/4 LITE Glazed			+60.0	-65.0
Opaque			+65.0	-70.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.06 18:22:59 -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

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

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

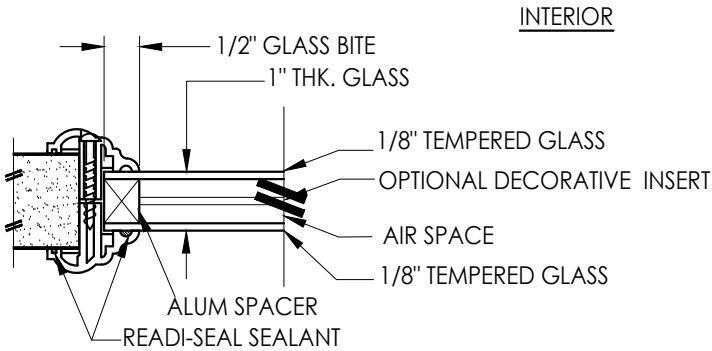
REVISIONS
NO. DATE

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

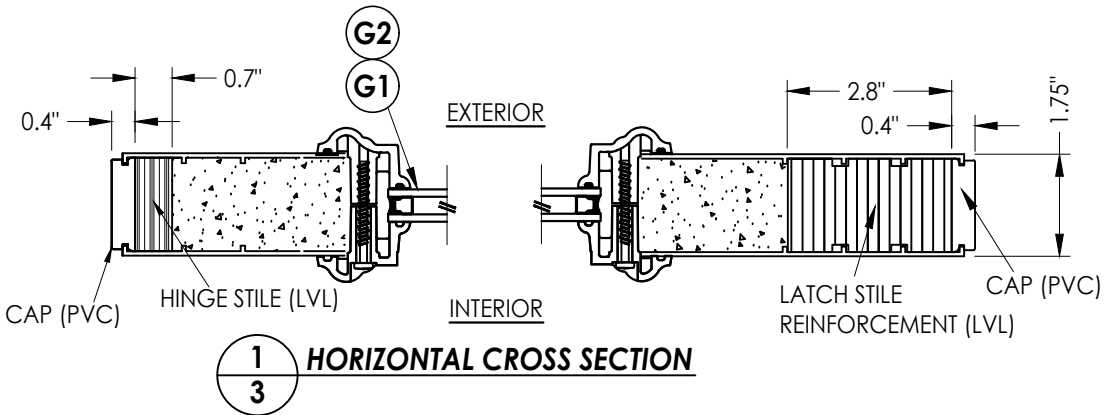
DATE: 3/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15362.10
SHEET 1 OF 9

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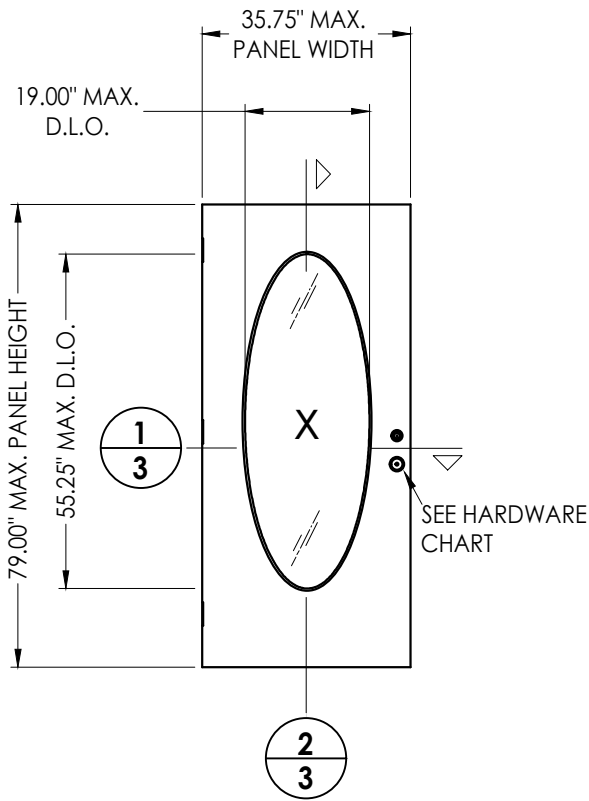
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	Knob:	FT3 SERIES
	DEADBOLT:	FD2 SERIES



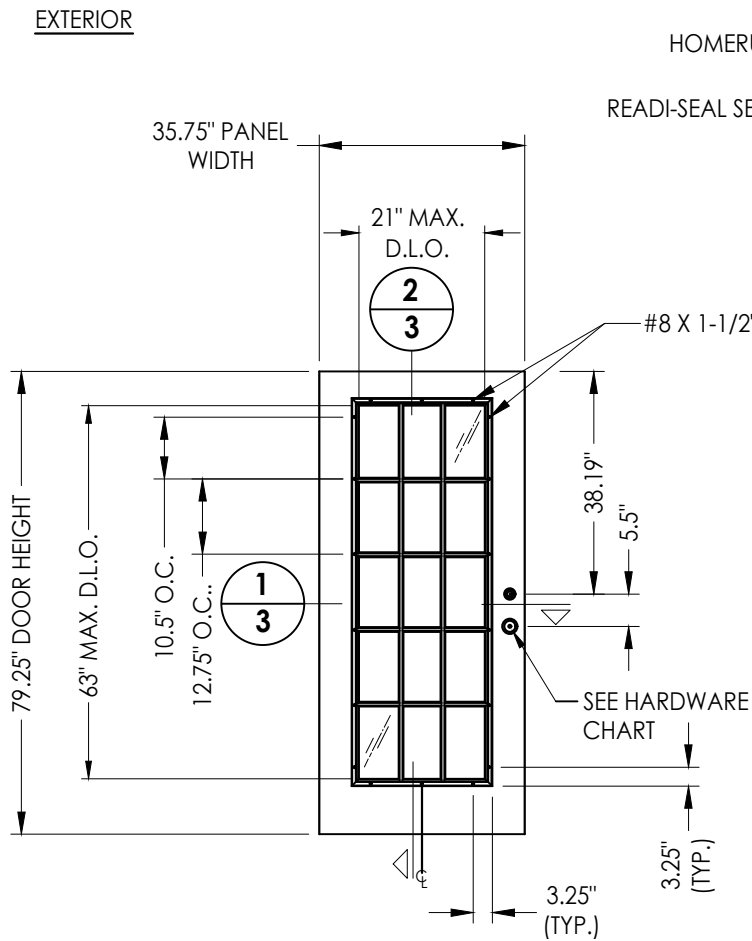
G2 GLAZING DETAIL
ODL HP Lite Frame



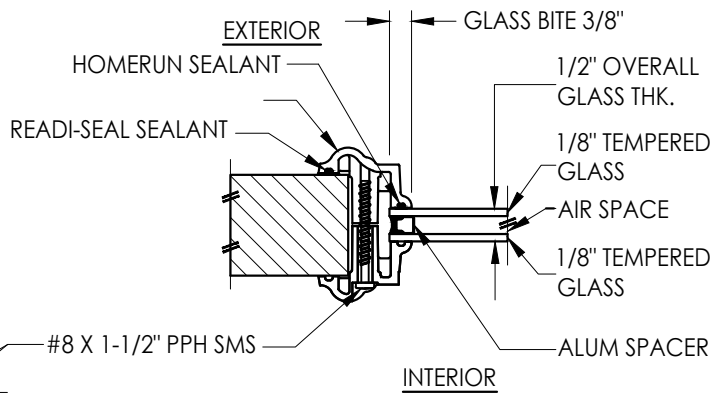
1 3 HORIZONTAL CROSS SECTION



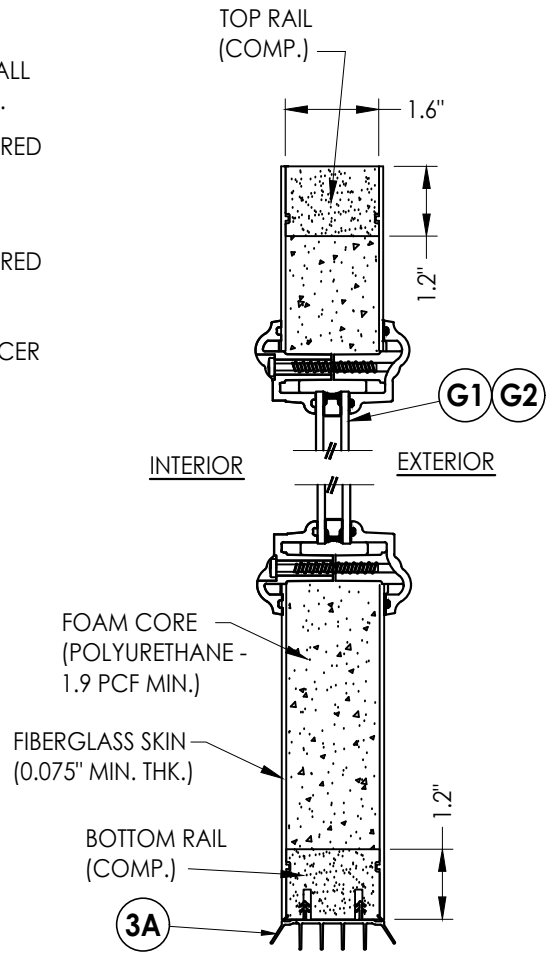
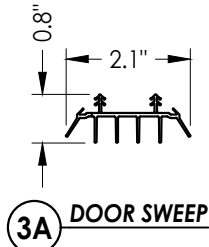
PLASTPRO FIBERGLASS DOOR PANEL
(Oval Glazed)



PLASTPRO FIBERGLASS DOOR PANEL
(Rectangular Glazed)



G1 GLAZING DETAIL
ODL HP Lite Frame



2 3 VERTICAL CROSS SECTION

Documents Prepared By:
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PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

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

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 03/14/12

SCALE: N.T.S.

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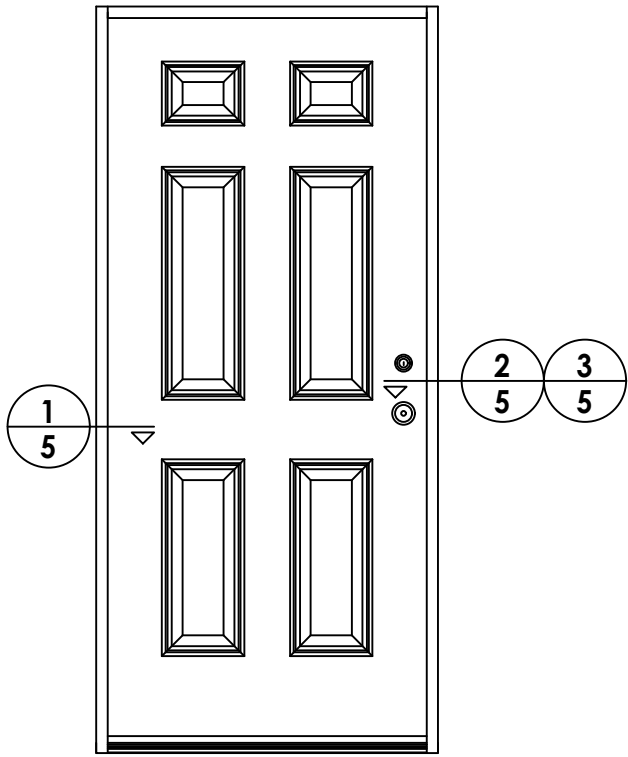
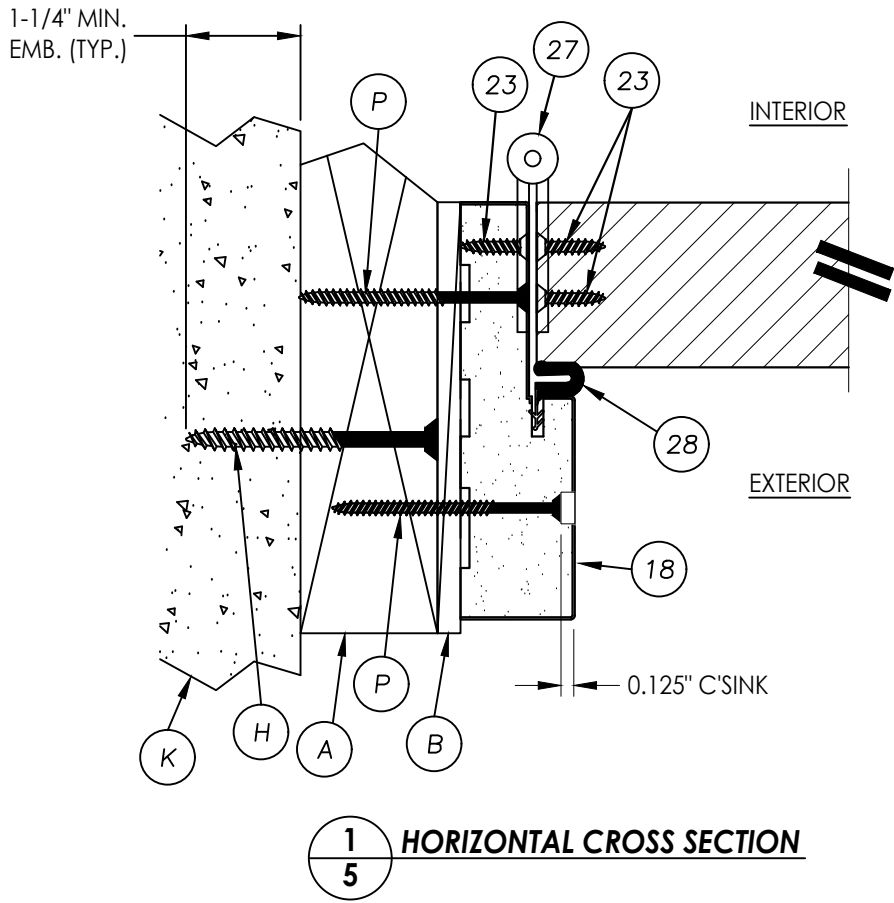
CHK. BY: LFS

DRAWING NO.:

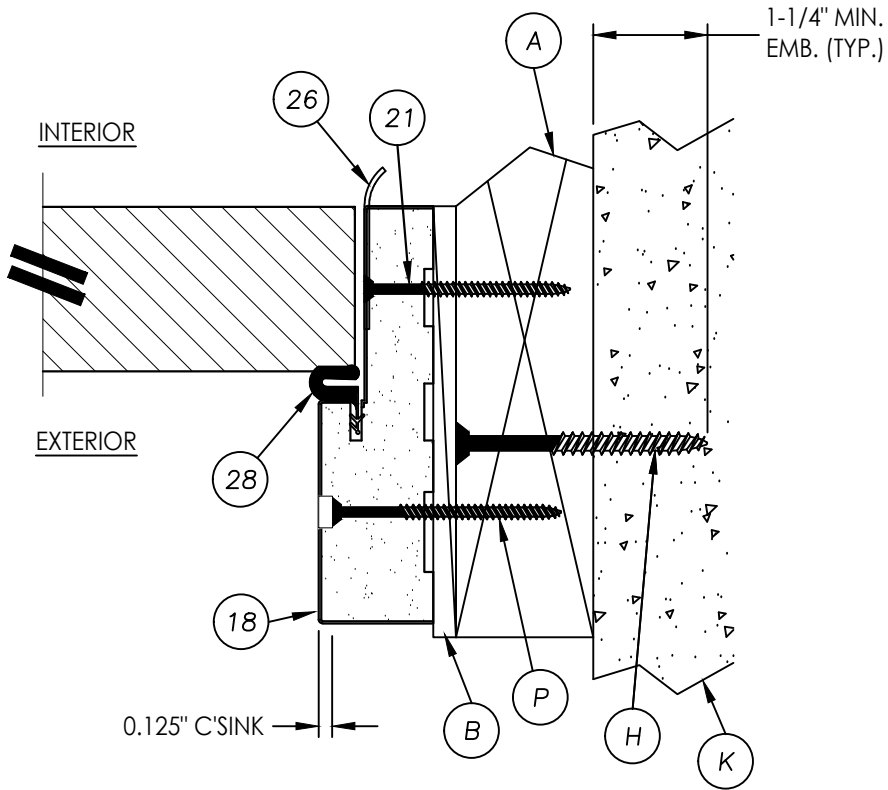
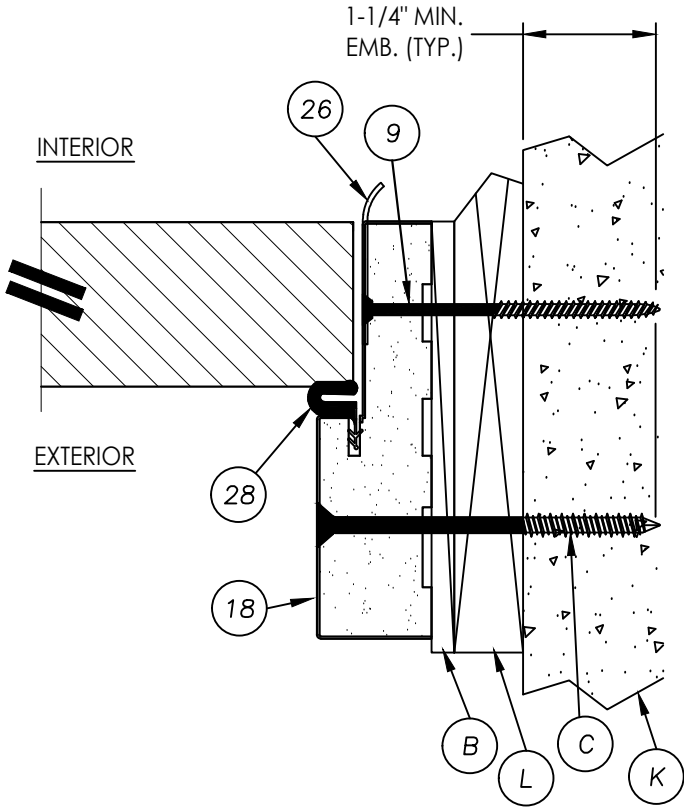
FL-15362.10

SHEET 3 OF 9

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



2
5 **HORIZONTAL CROSS SECTION**

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

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PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15362.10

SHEET 5 OF 9

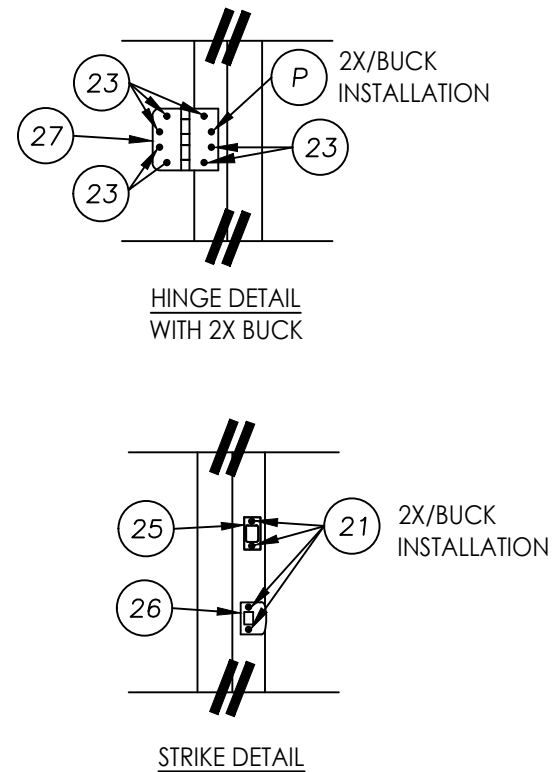
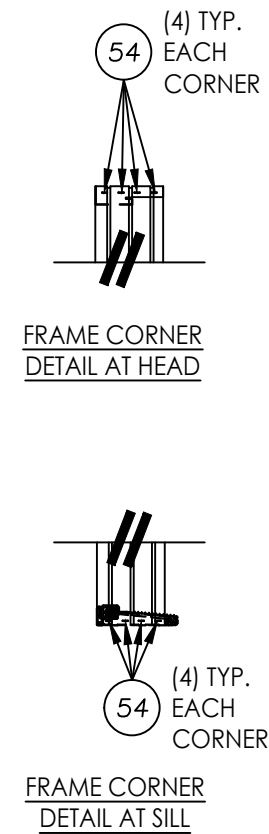
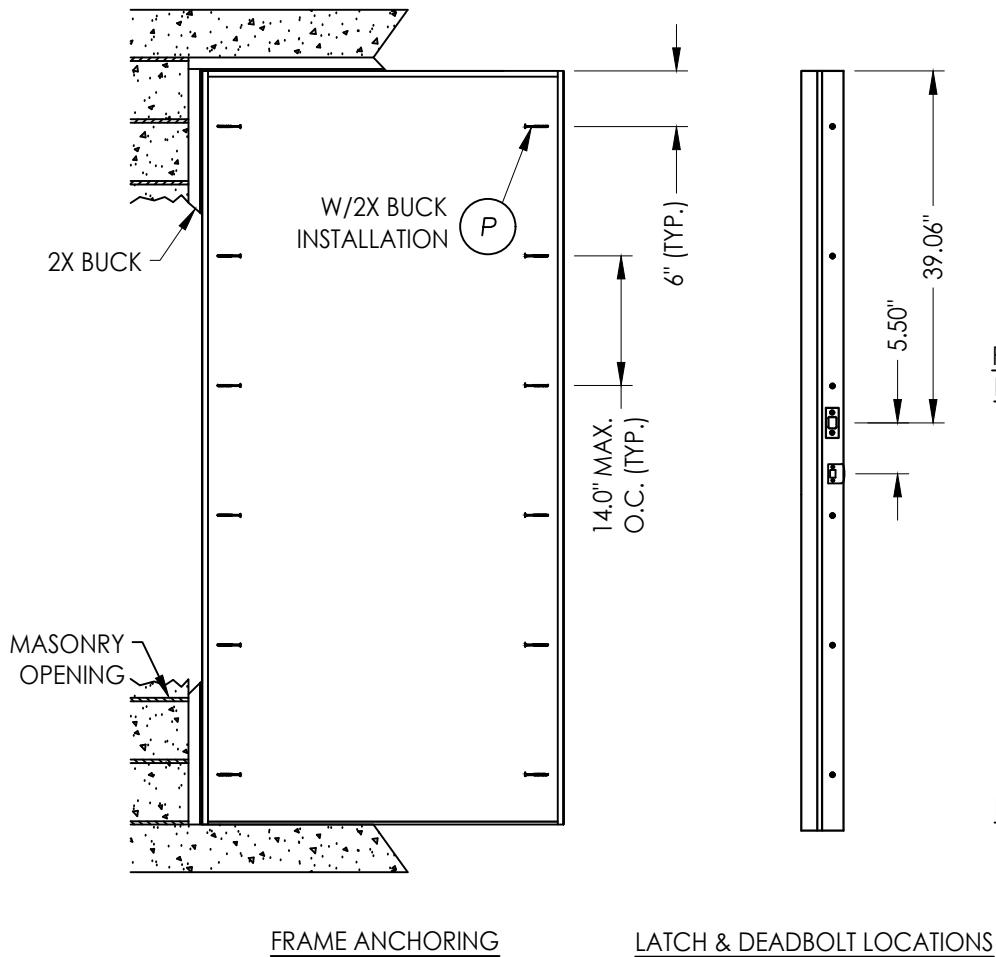
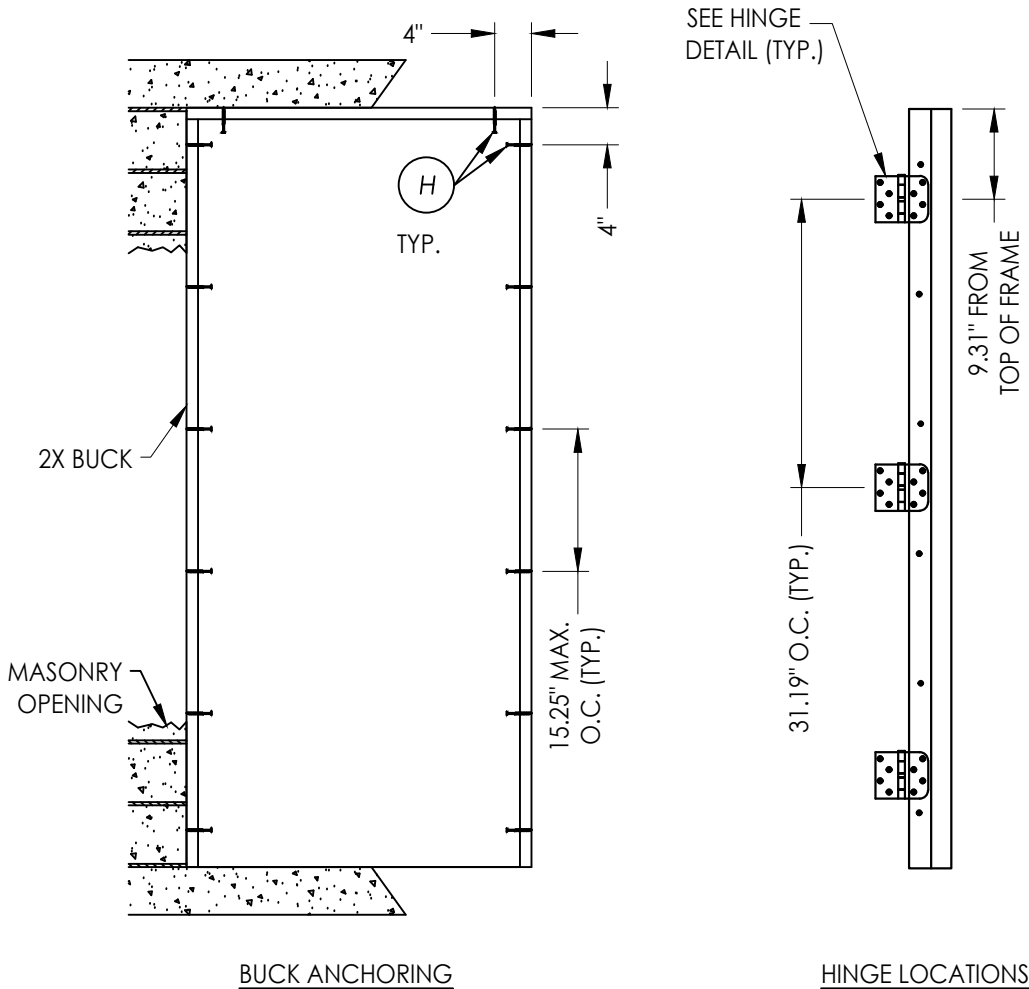
A diagram of a 6x6 grid. At the top center, there are two circles. The left circle is divided horizontally with '1' above and '6' below. The right circle is divided horizontally with '2' above and '6' below. A vertical line descends from the bottom of the left circle, ending in a small triangle pointing right. At the bottom center, there is a circle divided horizontally with '3' above and '6' below. A vertical line descends from the top of this circle, ending in a small triangle pointing right. The grid contains six rectangular blocks: two small squares in the top row and four vertical rectangles in the bottom two rows. On the right side of the grid, there are two small circles, one above the other, in the second and third rows from the bottom.

A cross-sectional view of a multi-layered structure. The top layer is labeled **K** and contains numerous small triangles. Below it is a thin layer labeled **L**. Underneath **L** is a thicker layer labeled **B**, which contains several small rectangular features. Below **B** is a layer labeled **28**, which contains a U-shaped feature. The bottom-most layer is labeled **18** and is hatched with diagonal lines. The word **EXTERIOR** is written at the bottom right, and a break symbol (two parallel diagonal lines) is shown at the bottom left.

3 6 VERTICAL CROSS SECTION

[illegible]

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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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FBPE Registry No. 9813

PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
2X WOOD BUCK

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7TH ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15362.10

SHEET 7 OF 9

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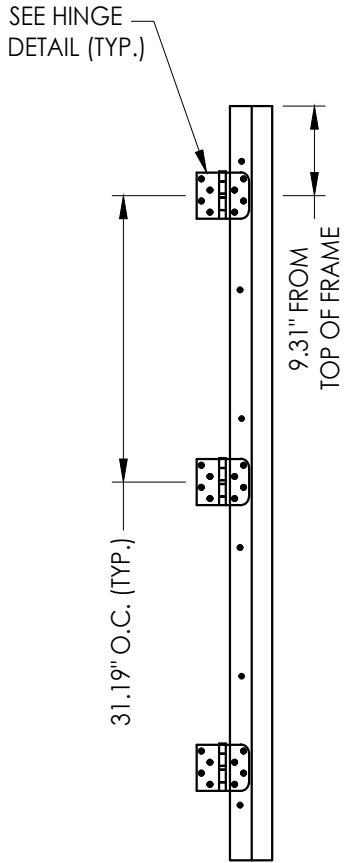
CONCRETE ANCHOR NOTES:

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- Concrete anchor table:

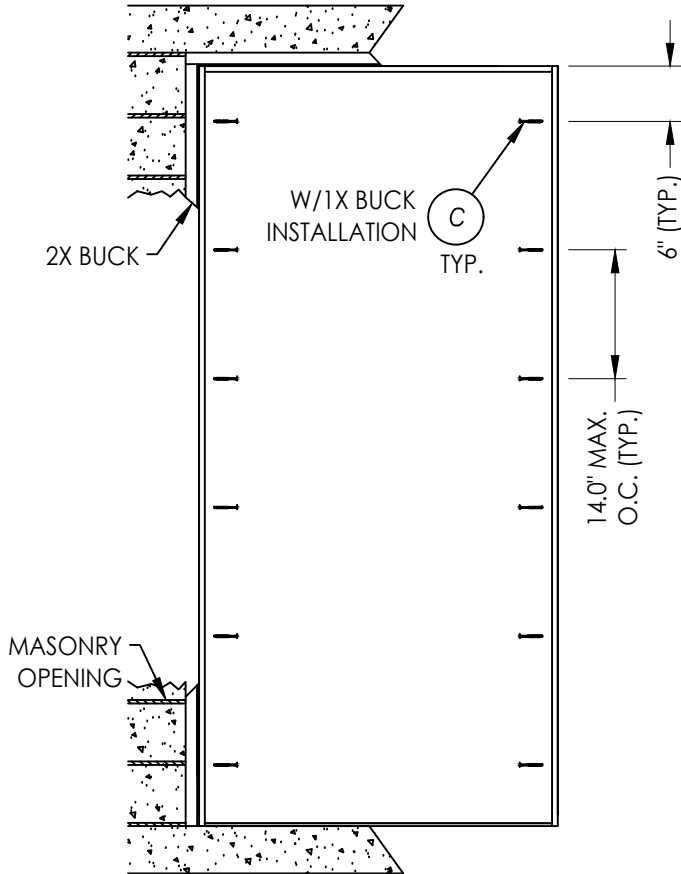
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

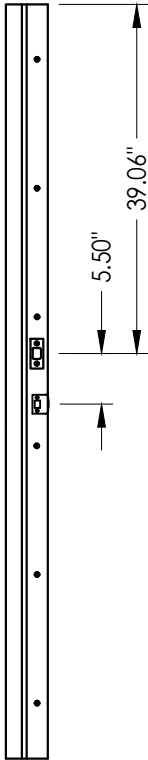
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



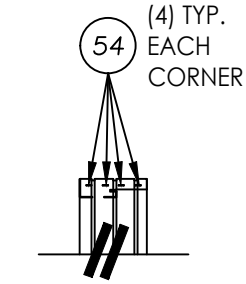
HINGE JAMB



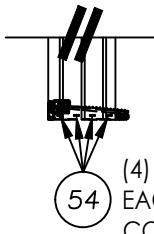
FRAME ANCHORING



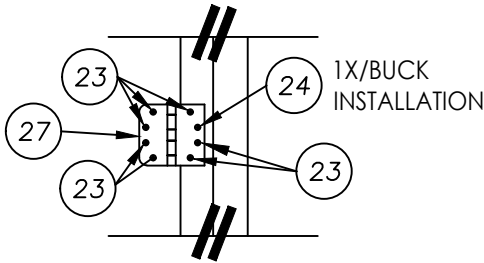
STRIKE JAMB



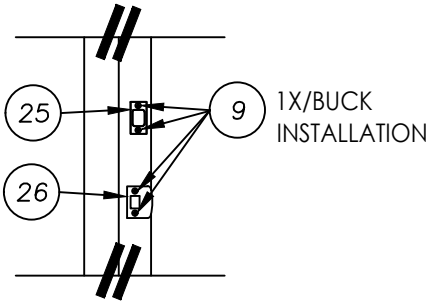
FRAME CORNER
DETAIL AT HEAD



FRAME CORNER
DETAIL AT SILL



HINGE DETAIL
WITH 1X BUCK



STRIKE DETAIL

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:		DUNBARTON ACHIEVER "ES" INSWING "NON-IMPACT"		PART OR ASSEMBLY:		FRAME ANCHORING - 1X WOOD BUCK	
			LFS				
		UPDATE TO 8TH ED. (2023)	FBC				
4	7/06/23	UPDATE TO 7TH ED. (2020)	FBC				
3	8/11/20	UPDATE TO 6TH ED. (2017)	FBC				
2	9/29/17	UPDATE TO 5TH ED. (2014)	FBC				
1	3/23/15						
	NO.	DATE					
				REVISIONS			
DATE: 3/14/12							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-15362.10							
SHEET 8 OF 9							

