

Dunbarton
CORPORATION

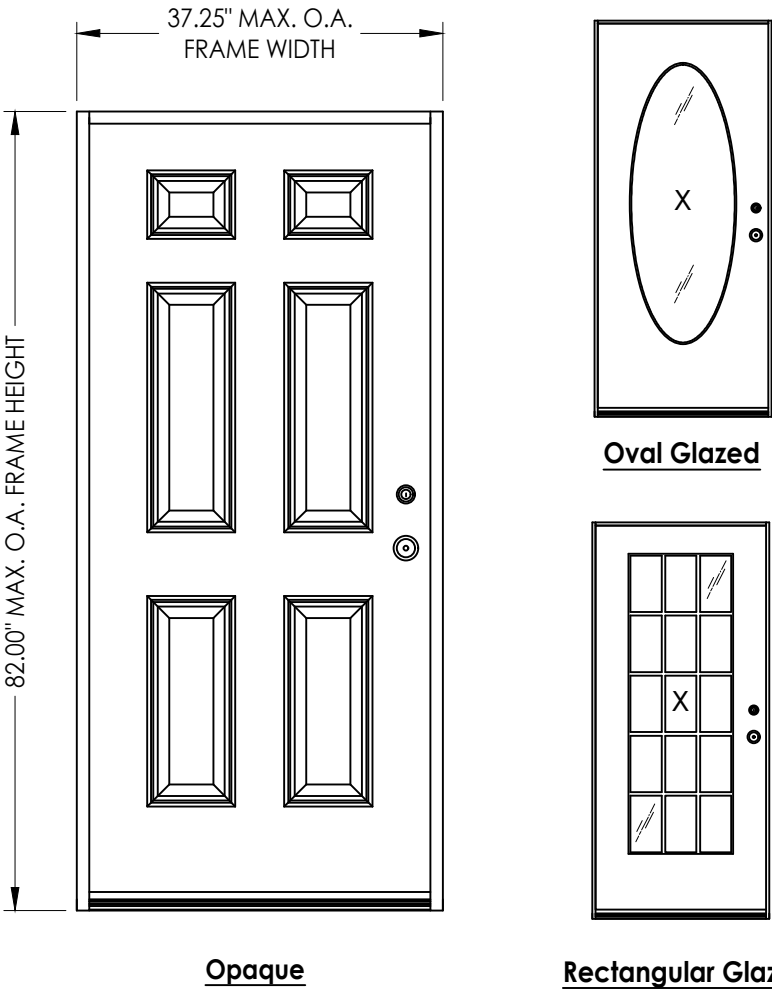
868 MURRAY ROAD, DOTHAN, AL 36303

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

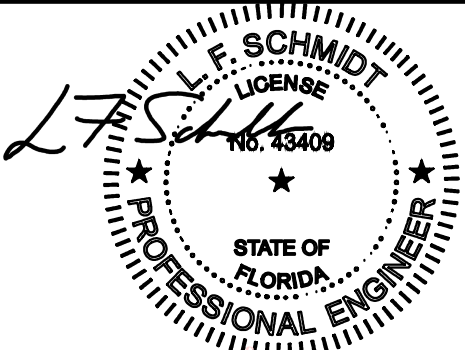
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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
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7	Frame anchoring - 1X wood buck
8	Bill of materials and components



DOOR TYPE	OVERALL FRAME DIMENSION	OVERALL DOOR PANEL DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
Oval Glazed	37.25" X 82.00"	35.62" X 79.00"	+50.0	-55.0
Rectangular Glazed			+50.0	-55.0
Opaque			+65.0	-70.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.01 13:03:11 -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

5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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
NO.	DATE			BY

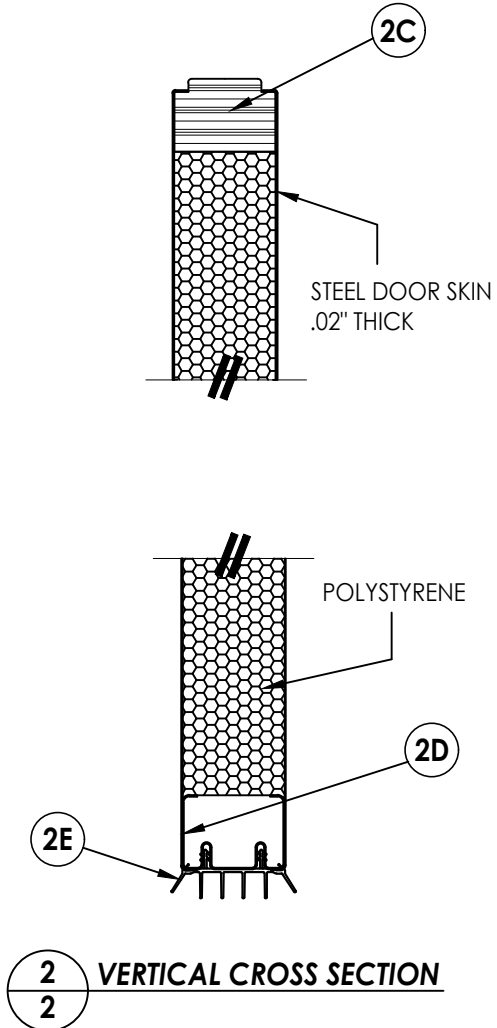
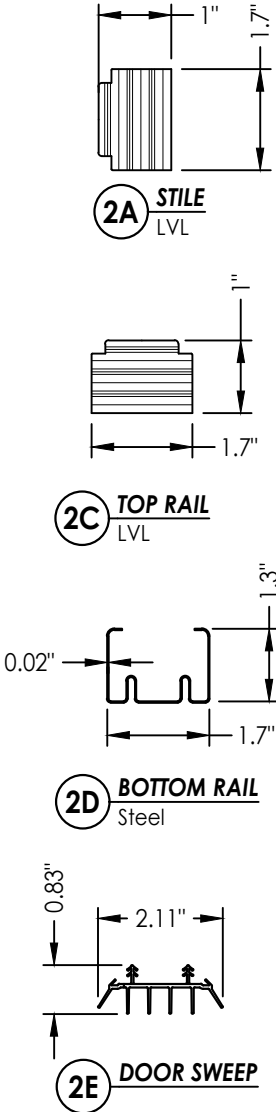
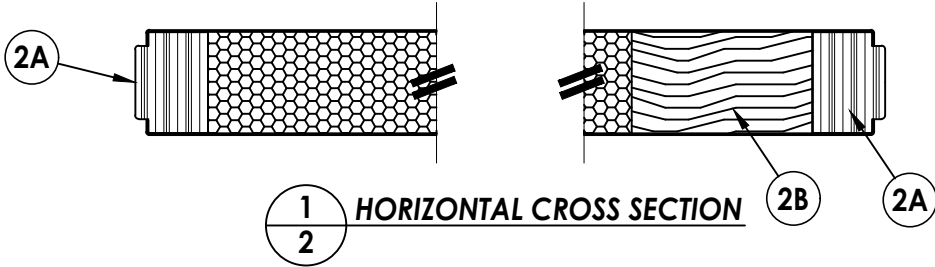
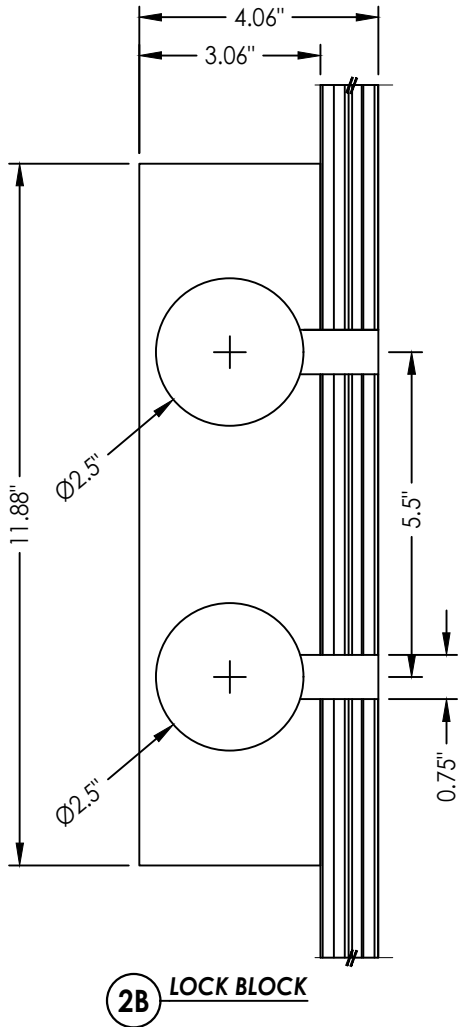
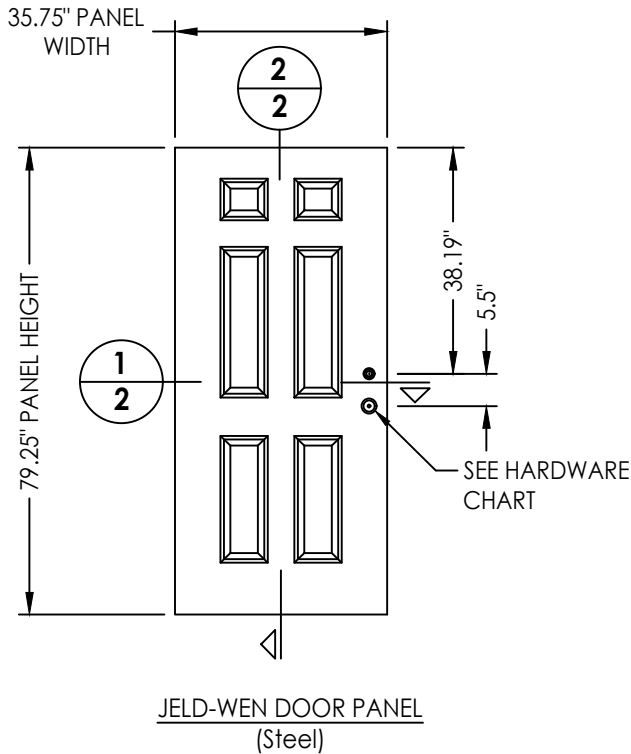
DATE: 3/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15362.7
SHEET 1 OF 8

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

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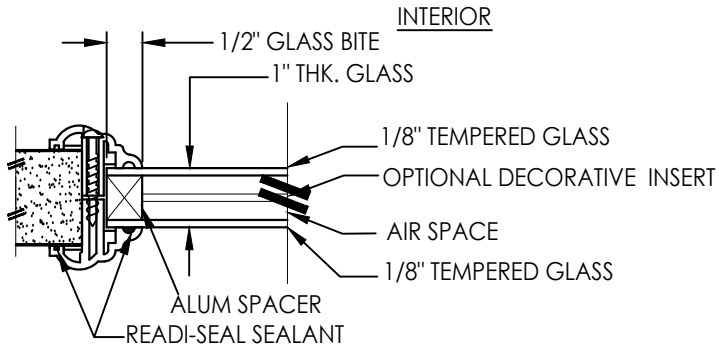
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	Knob:	FT3 SERIES
	Deadbolt:	FD2 SERIES



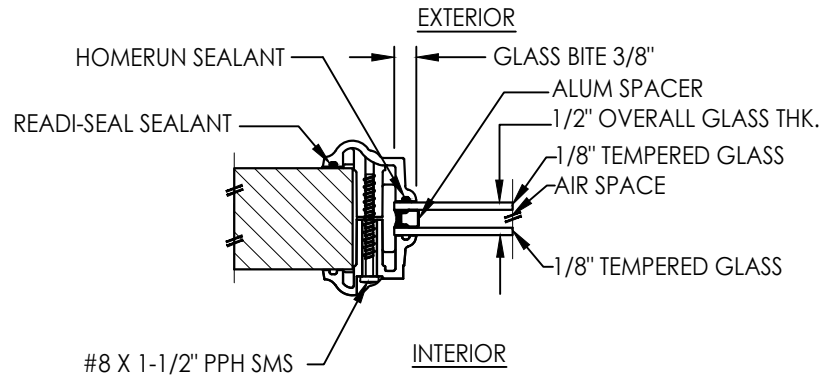
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		DUNBARTON ACHIEVER "ES" INSWING "NON-IMPACT"	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
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
NO. DATE		REVISIONS	
DATE: 03/14/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15362.7			
SHEET 2 OF 8			

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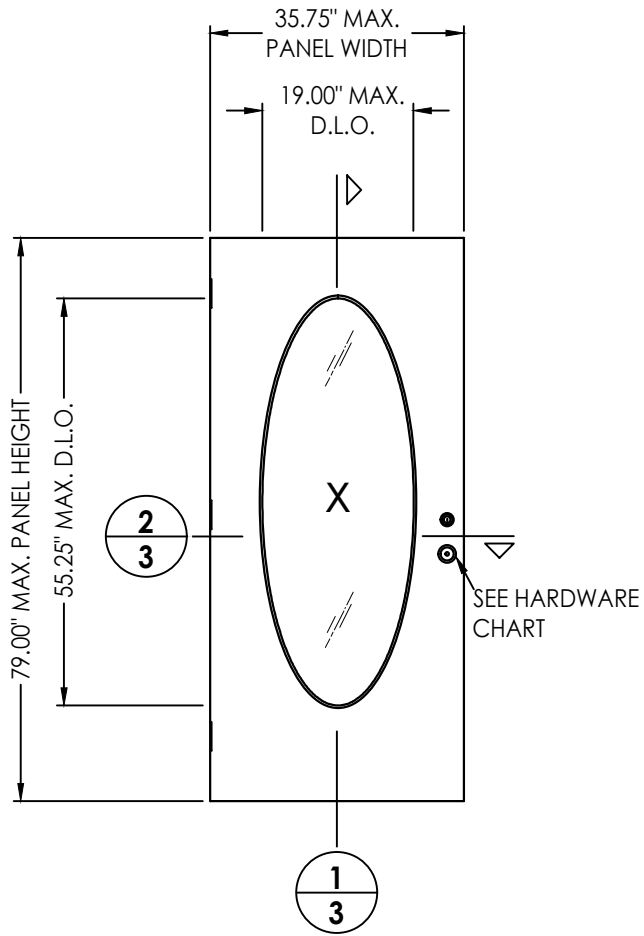
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	Knob:	FT3 SERIES
	DEADBOLT:	FD2 SERIES



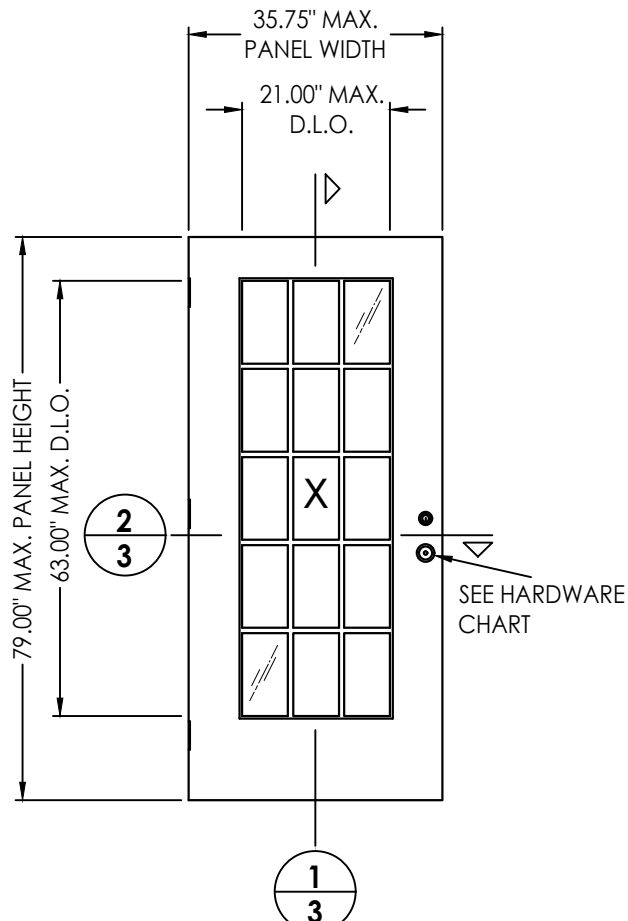
G2 GLAZING DETAIL
ODL HP Lite Frame



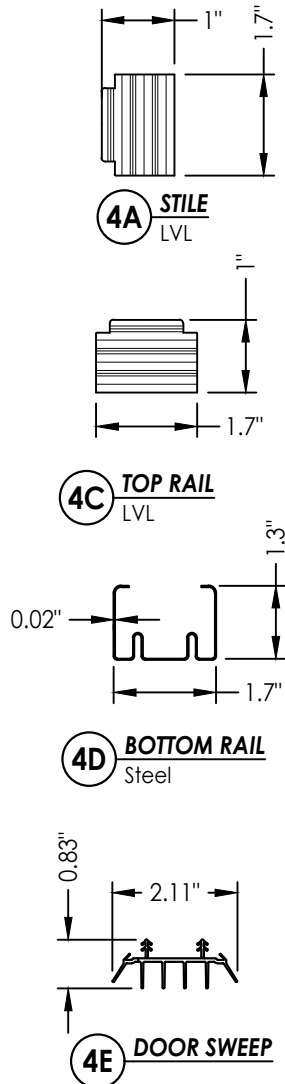
G1 GLAZING DETAIL
ODL HP Lite Frame



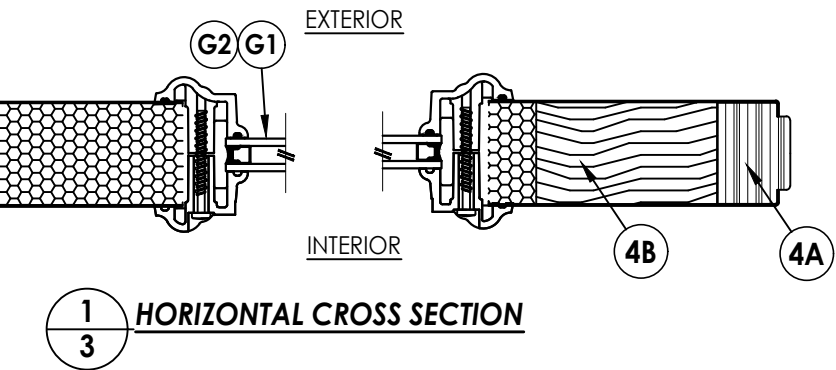
JELD-WEN STEEL DOOR PANEL
(Oval Glazed)



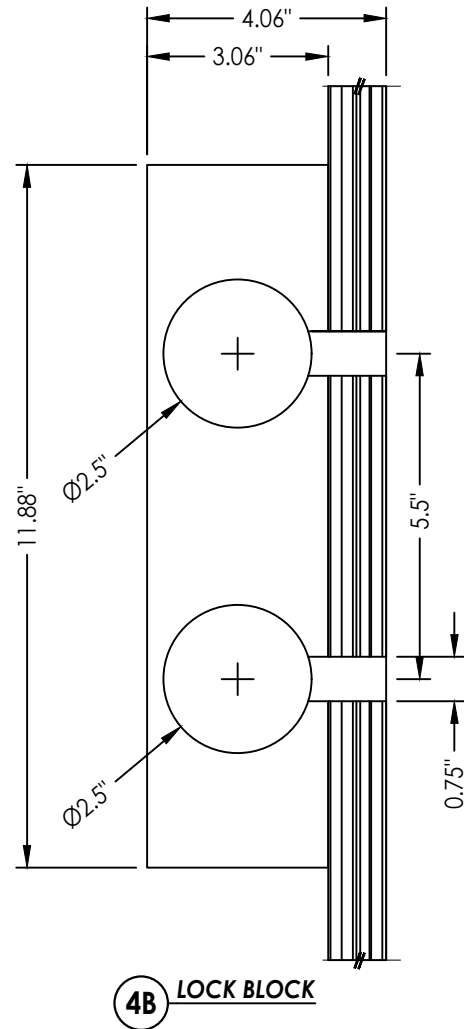
JELD-WEN STEEL DOOR PANEL
(Rectangular Glazed)



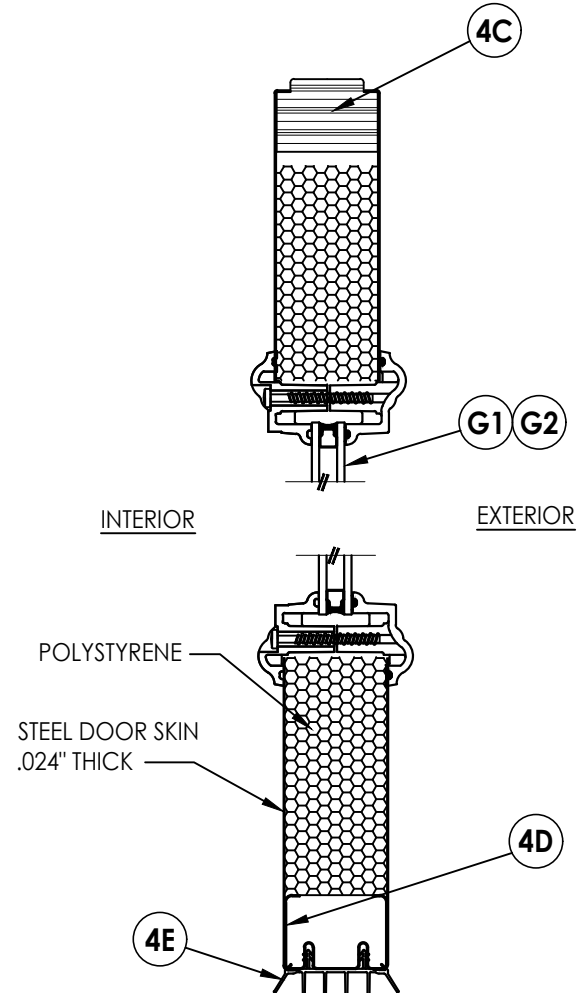
4E DOOR SWEEP



1/3 HORIZONTAL CROSS SECTION



4B LOCK BLOCK



2/3 VERTICAL CROSS SECTION

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

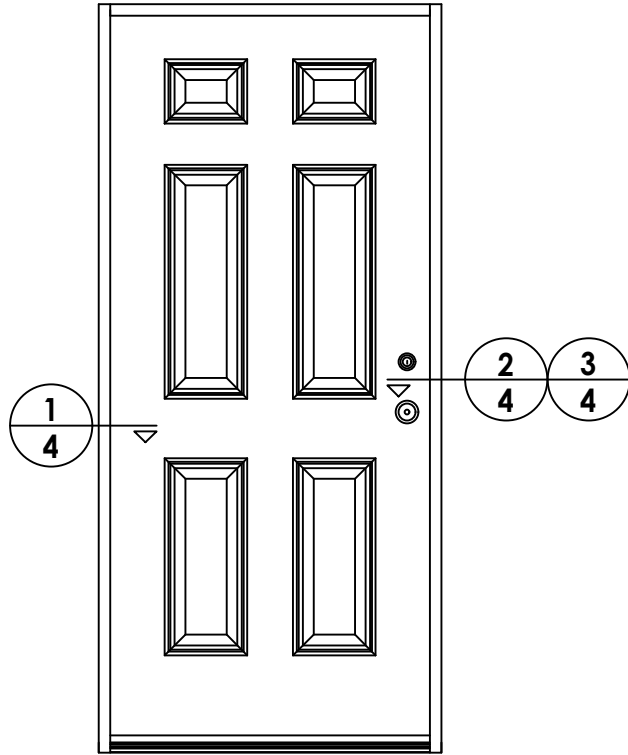
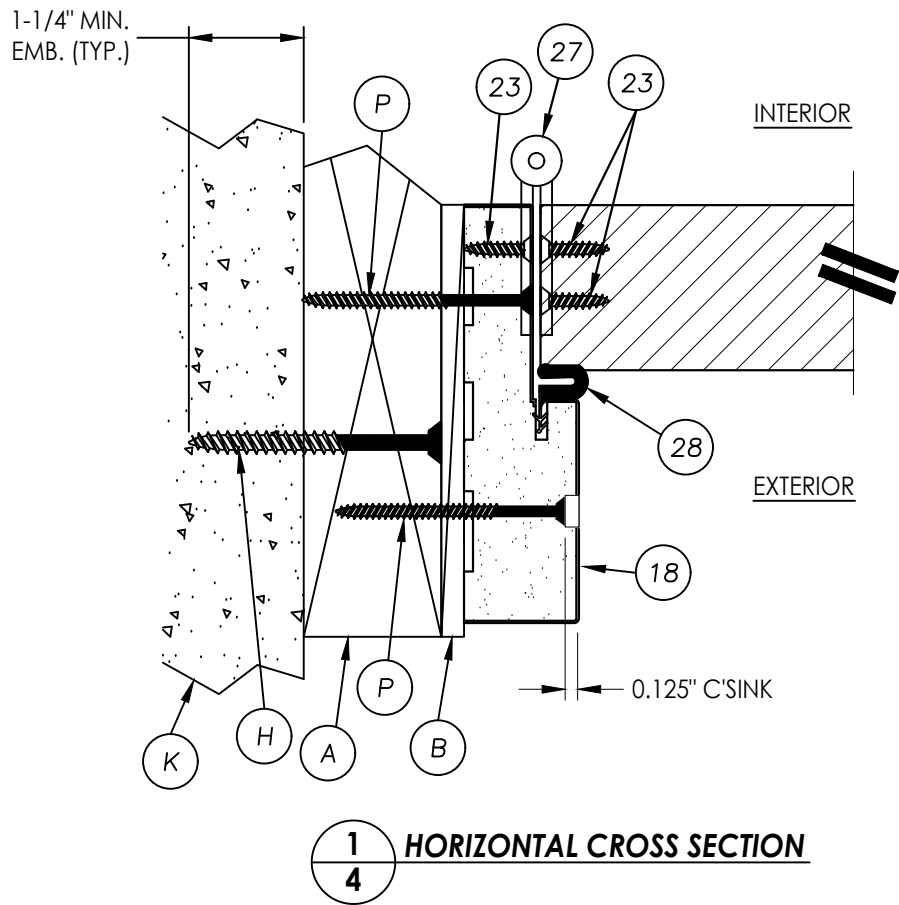
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DOOR PANEL DETAILS

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DATE:	7/01/26	7/06/23	8/11/20	9/29/17	3/23/15			
SCALE:	UPDATE TO 9TH ED. (2026)	UPDATE TO 8TH ED. (2023)	UPDATE TO 7th ED. (2020)	UPDATE TO 6TH ED. (2017)	UPDATE TO 5TH ED. (2014)			
DWG. BY:	LFS	FBC	FBC	FBC	FBC	JK		
CHK. BY:								
DRAWING NO.:								
SHEET								

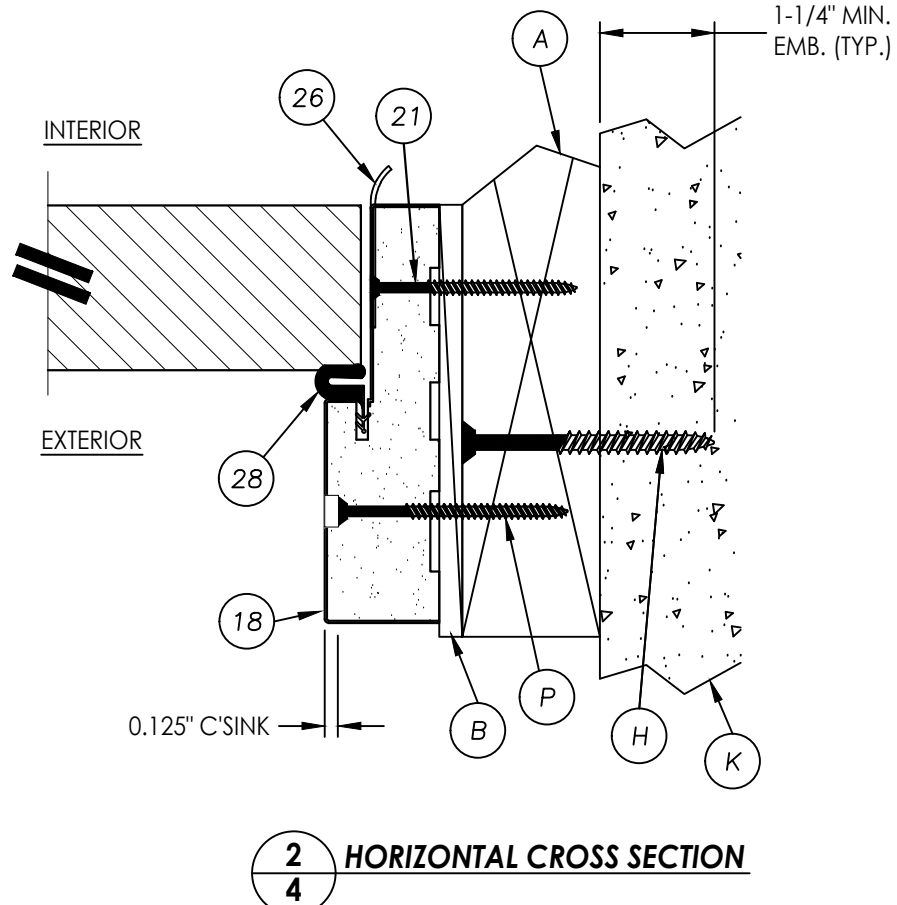
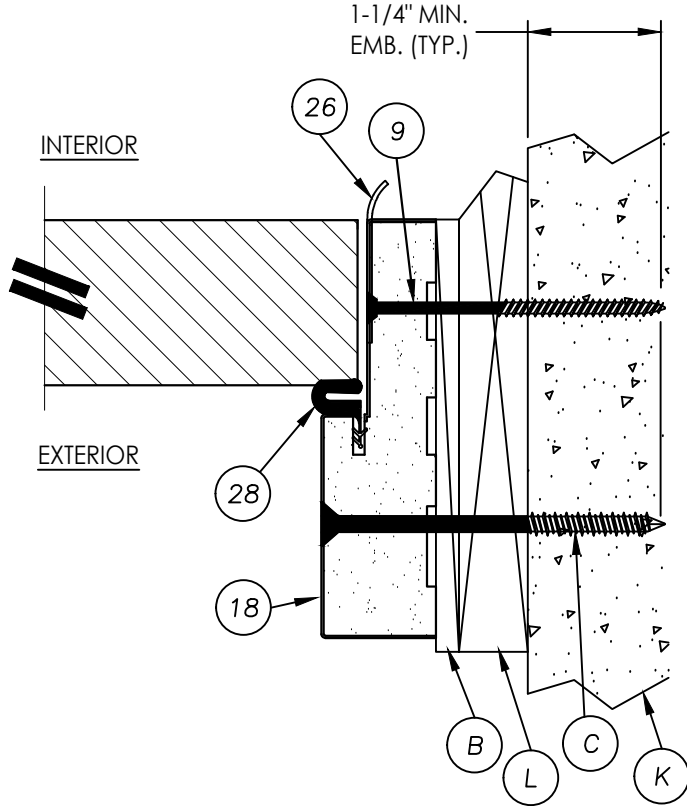
DATE: 03/14/12
SCALE: N.T.S.
DWG. BY: JK
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DRAWING NO.: FL-15362.7
SHEET 3 OF 8

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



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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

		7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
5		7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4		8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC
3		9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
2		3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK
1					
NO.	DATE				BY

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

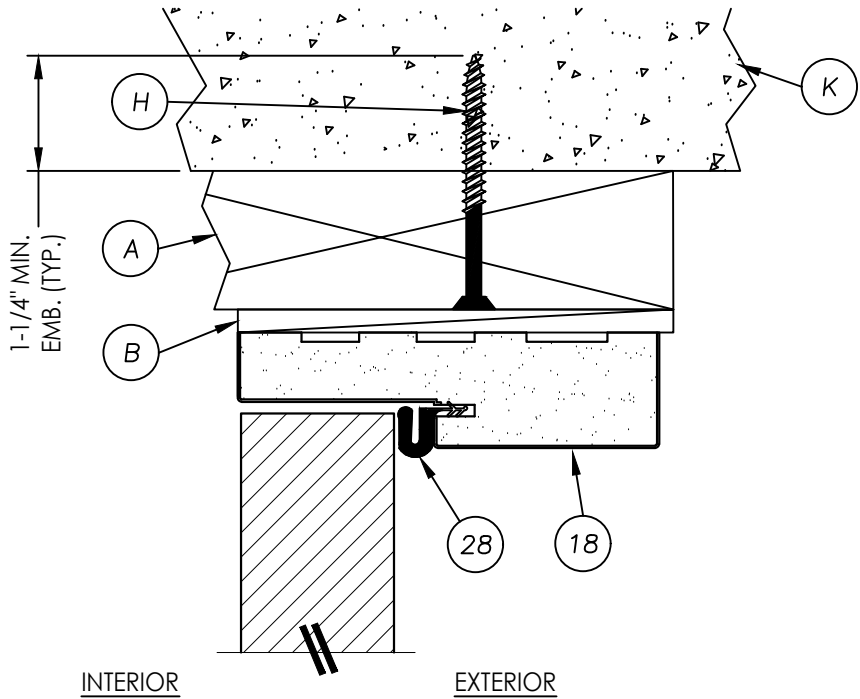
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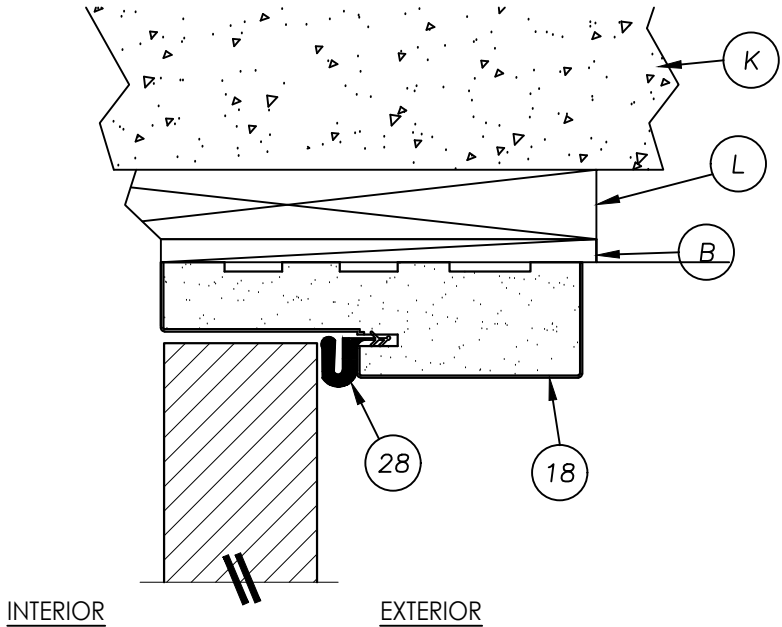
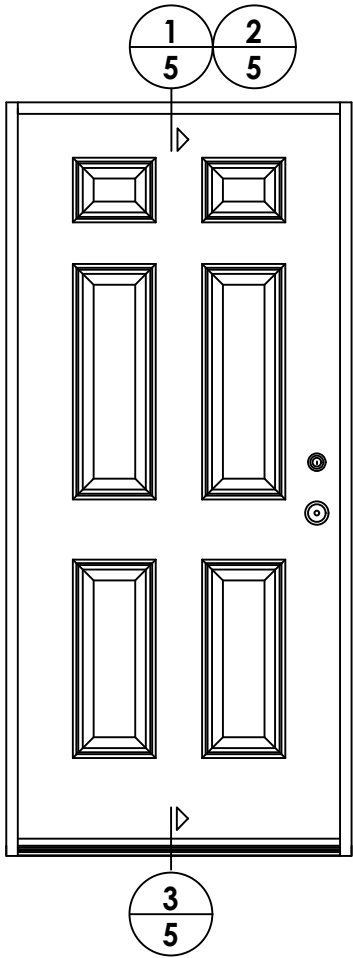
FL-15362.7

SHEET 4 OF 8

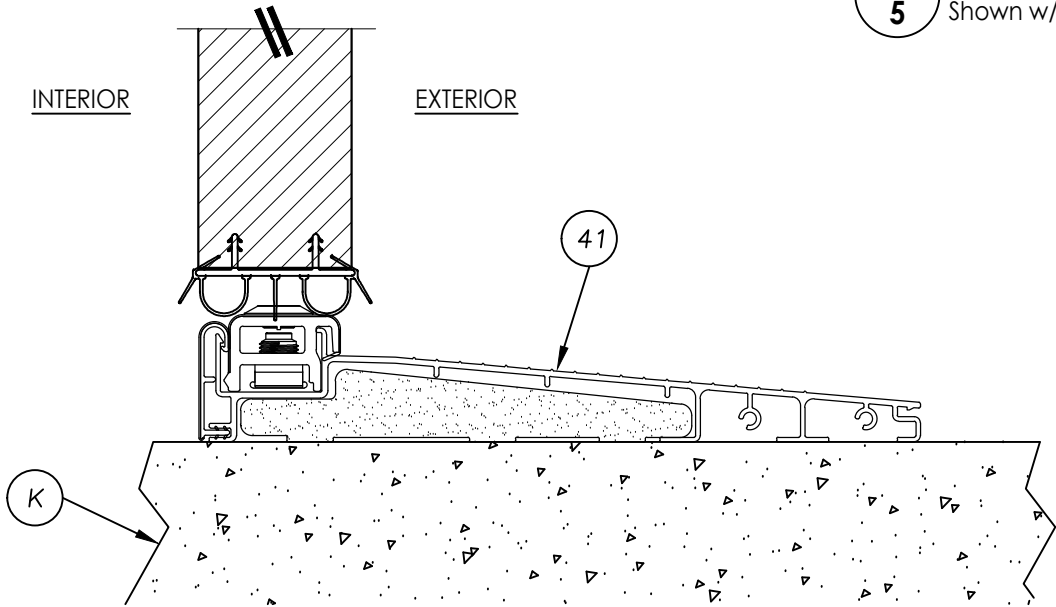
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1
5 VERTICAL CROSS SECTION



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



3
5 VERTICAL CROSS SECTION

NO.		DATE	REVISIONS			
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS		
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		
				BY		

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15362.7

SHEET 5 OF 8

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

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS

Documents Prepared By:
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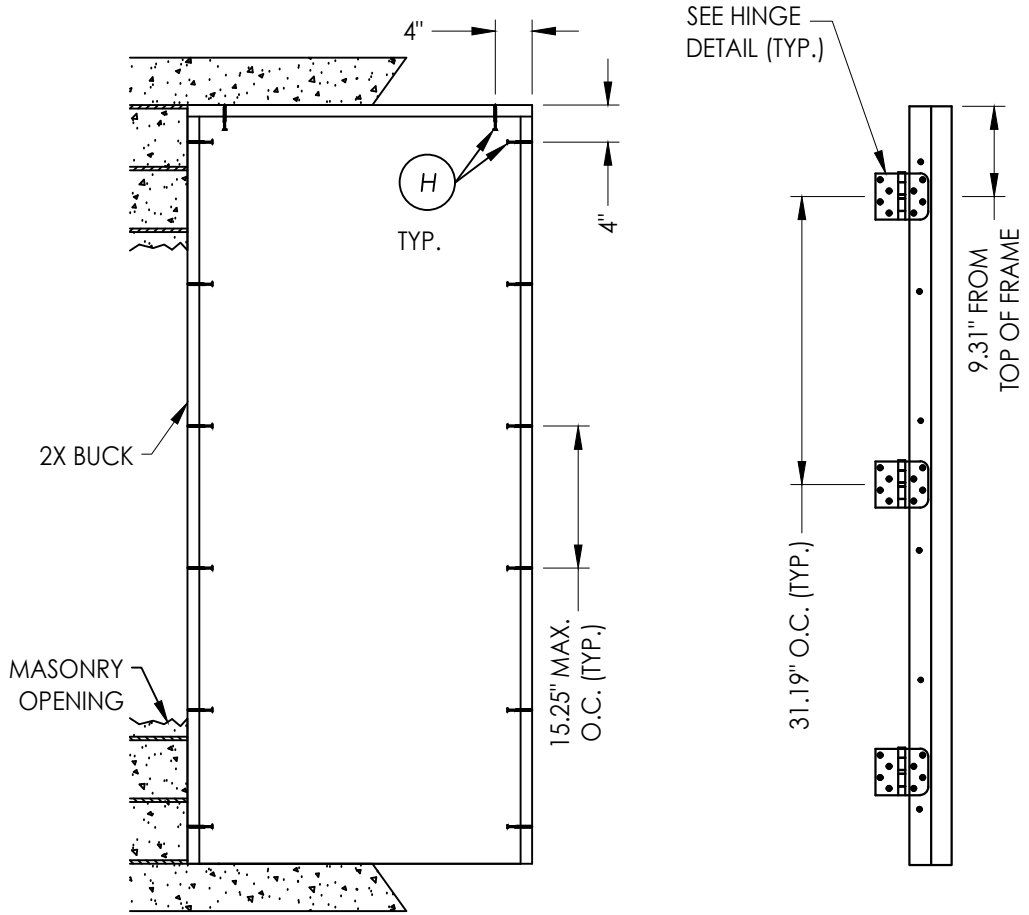
RW BUILDING CONSULTANTS, INC.

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Phone No.: 813.659.9197

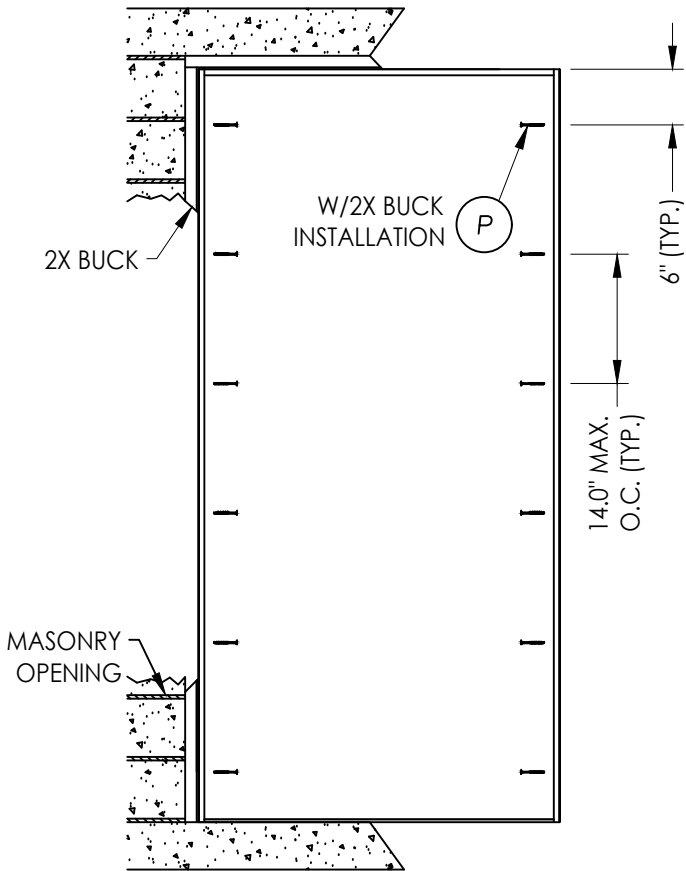
FBPE Registry No. 9813

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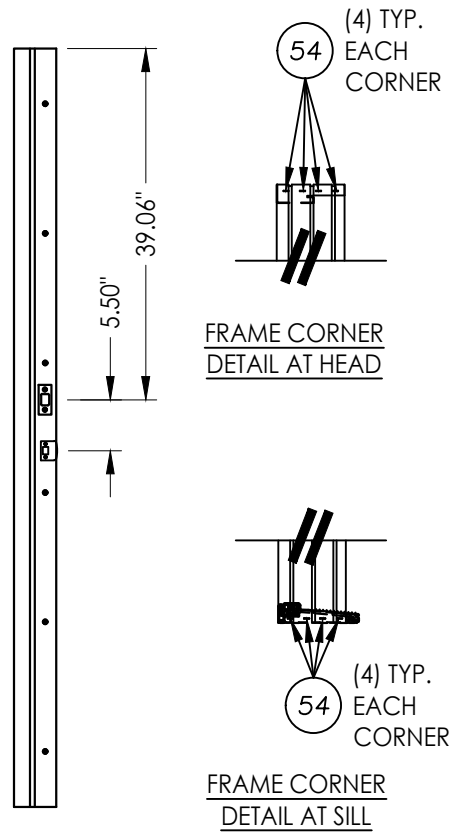


BUCK ANCHORING

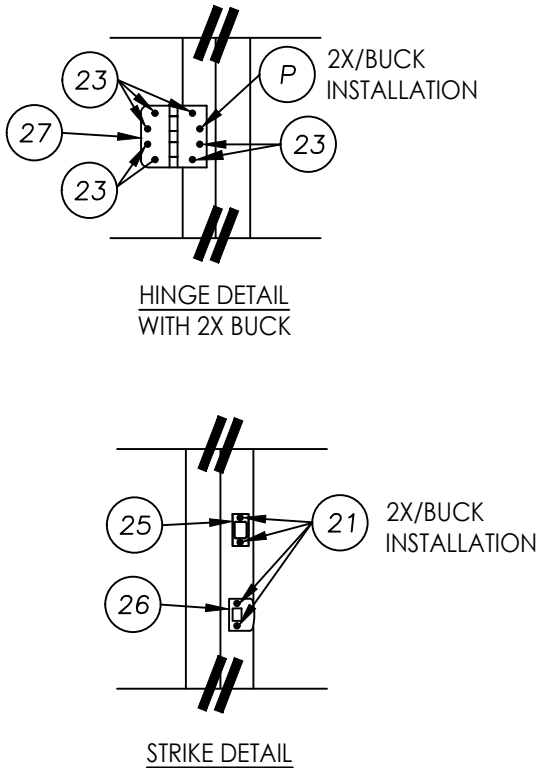
HINGE LOCATIONS



FRAME ANCHORING



LATCH & DEADBOLT LOCATIONS



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 inch edge distance, 1 inch end distance, & 1 inch o.c. spacing of wood screws to prevent the splitting of wood.

Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
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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
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
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1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

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DRAWING NO.:

FL-15362.7

SHEET 6 OF 8

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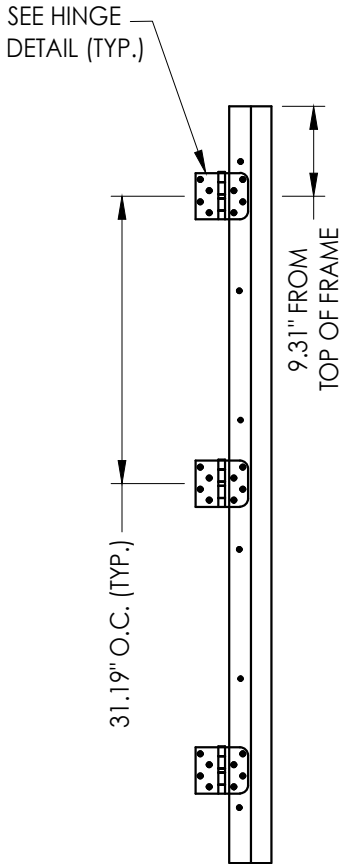
CONCRETE ANCHOR NOTES:

- 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:

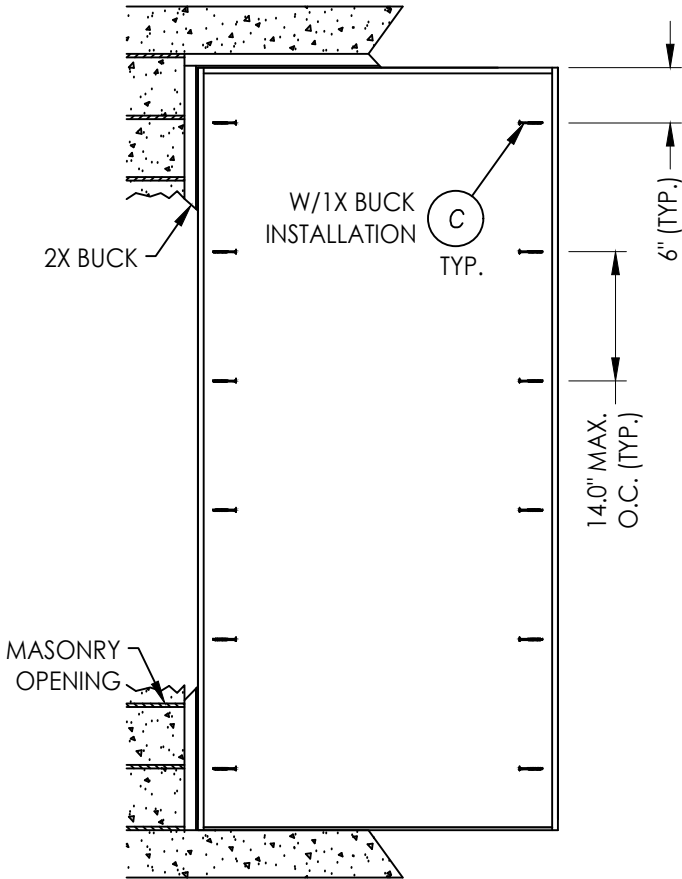
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

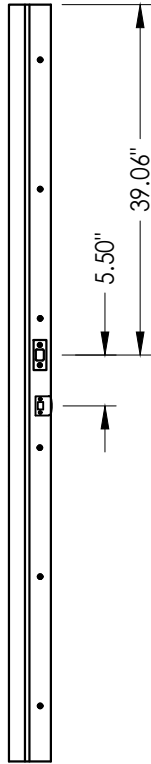
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



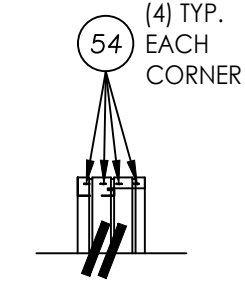
HINGE JAMB



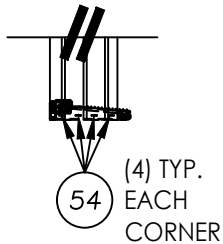
FRAME ANCHORING



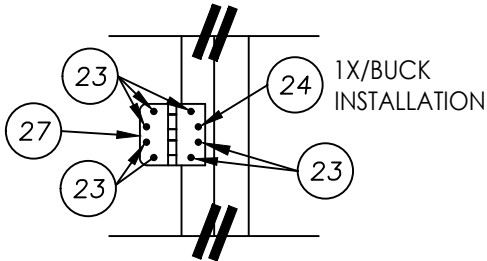
STRIKE JAMB



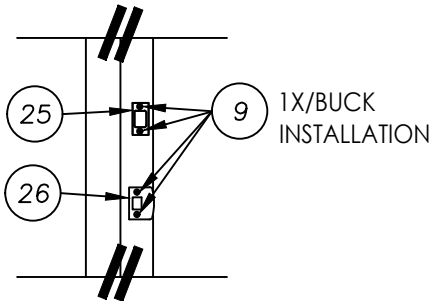
FRAME CORNER
DETAIL AT HEAD



FRAME CORNER
DETAIL AT SILL



HINGE DETAIL
WITH 1X BUCK



STRIKE DETAIL

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

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
FRAME ANCHORING –
1X WOOD BUCK

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
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1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK
		BY

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

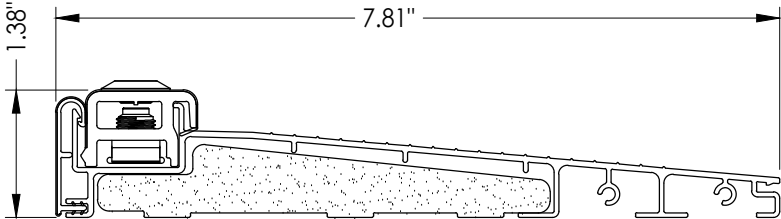
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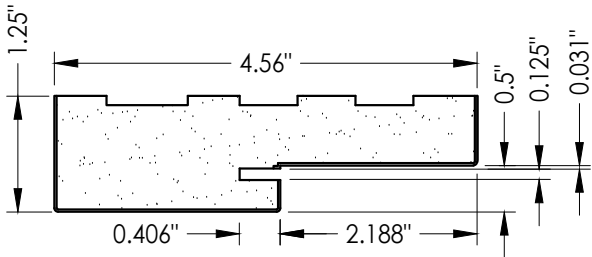
SHEET 7 OF 8

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X BUCK SG >= 0.55	WOOD
B	1/4" MAX. SHIM SPACE	WOOD
C	1/4" X 3-3/4" DeWALT OR ITW PFH CONCRETE SCREWS	STEEL
H	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREWS	STEEL
K	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
L	1X BUCK SG >= .55	WOOD
P	#10 x 2-1/2" PFH WOOD SCREWS (1-1/8" MIN. EMBEDMENT)	STEEL
9	3/16" X 3-1/4" ITW PFH CONCRETE SCREWS	STEEL
18	POLY FIBER JAMB (World Wide Door Comp.)	COMP
20	SEALANT	SILICONE
21	#8 X 2-1/4" PFH W.S.	STEEL
23	#10 X 3/4" PFH WOOD SCREW	STEEL
24	1/4" X 3-1/4" ITW PFH CONCRETE SCREWS	STEEL
25	DEADBOLT STRIKE PLATE	STEEL
26	LATCH STRIKE PLATE	STEEL
27	HINGE	STEEL
28	WEATHERSTRIP	FOAM
41	INSWING THRESHOLD (ENDURA)	ALUM./COMP
54	3/8" X 2" X .055" STAPLE	STEEL



41 **INSWING THRESHOLD**
Endura



18 **POLY FIBER JAMB**
(World Wide Door Comp.)

NO.	DATE	REVISIONS
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
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1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK
		BY

DATE: 3/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15362.7

SHEET 8 OF 8

PRODUCT:	DUNBARTON ACHIEVER "ES" INSWING "NON-IMPACT"
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

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

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