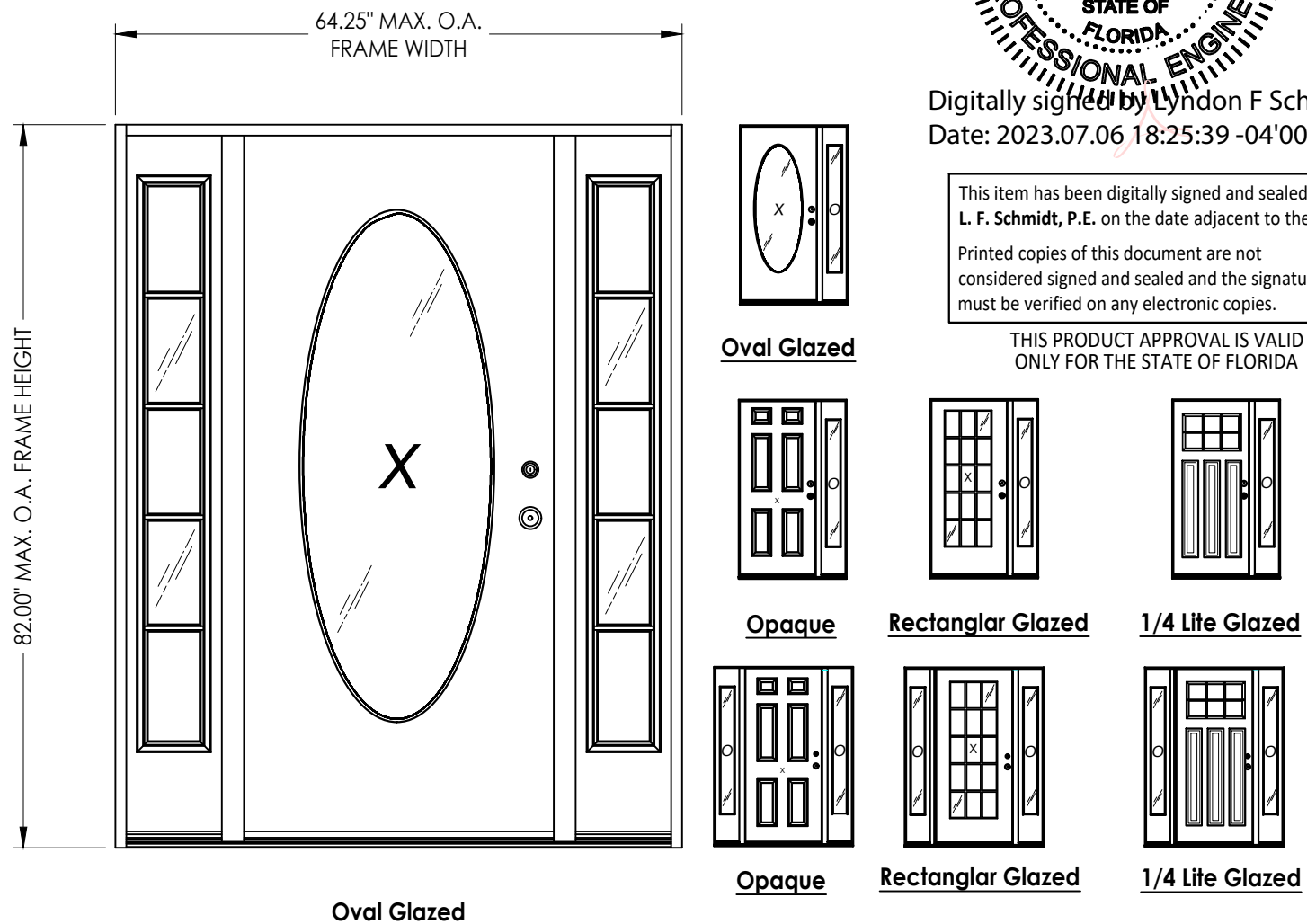




ACHIEVER "ES"
Composite Frame System
with Sidelite(s)
Utilizing a Fiberglass Door Panel
INSWING
"NON-IMPACT"

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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Door panel details
4	Door panel details
5	Sidelite panel details
6	Horizontal cross section
7	Horizontal cross section
8	Vertical cross sections
9	Vertical cross sections
10	Buck and frame anchoring - 2X wood buck construction
11	Frame anchoring - 1X wood buck
12	Buck and frame anchoring - 2X wood buck construction
13	Frame anchoring - 1X wood buck
14	Bill of materials and components



DOOR TYPE	MAX. OVERALL FRAME DIMENSION	OVERALL DOOR PANEL DIMENSION	OVERALL SIDELITE DIMENSION	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
Oval Glazed	64.25" X 83.00"	35.62" X 79.00"	12.13" X 79.00"	+50.0	-55.0
Rectangular Glazed				+50.0	-55.0
1/4 Lite Glazed				+60.0	-65.0
Opaque				+60.0	-65.0

Digitally signed by Lyndon F Schmidt
Date: 2023.07.06 18:25:39 -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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 333
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

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

[illegible]

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

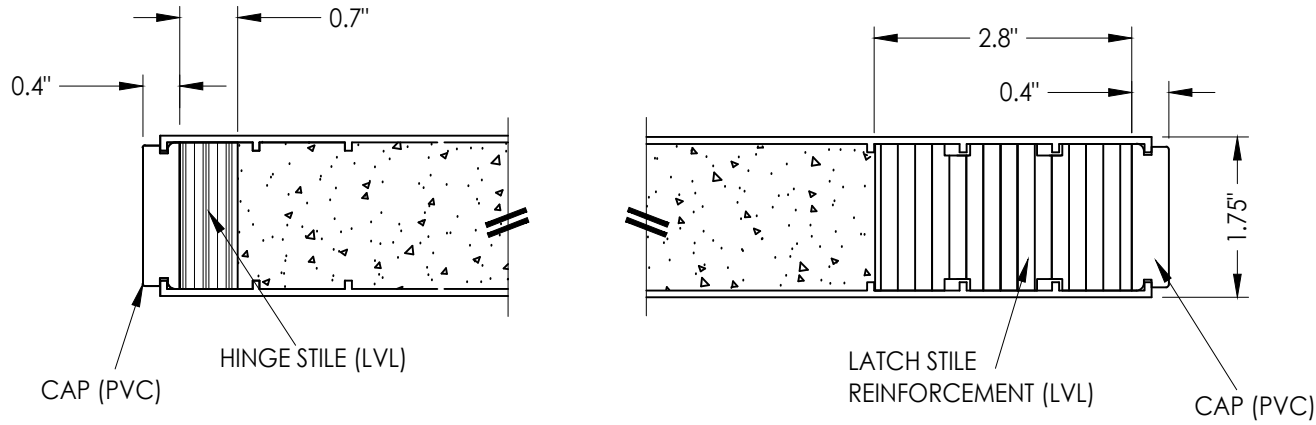
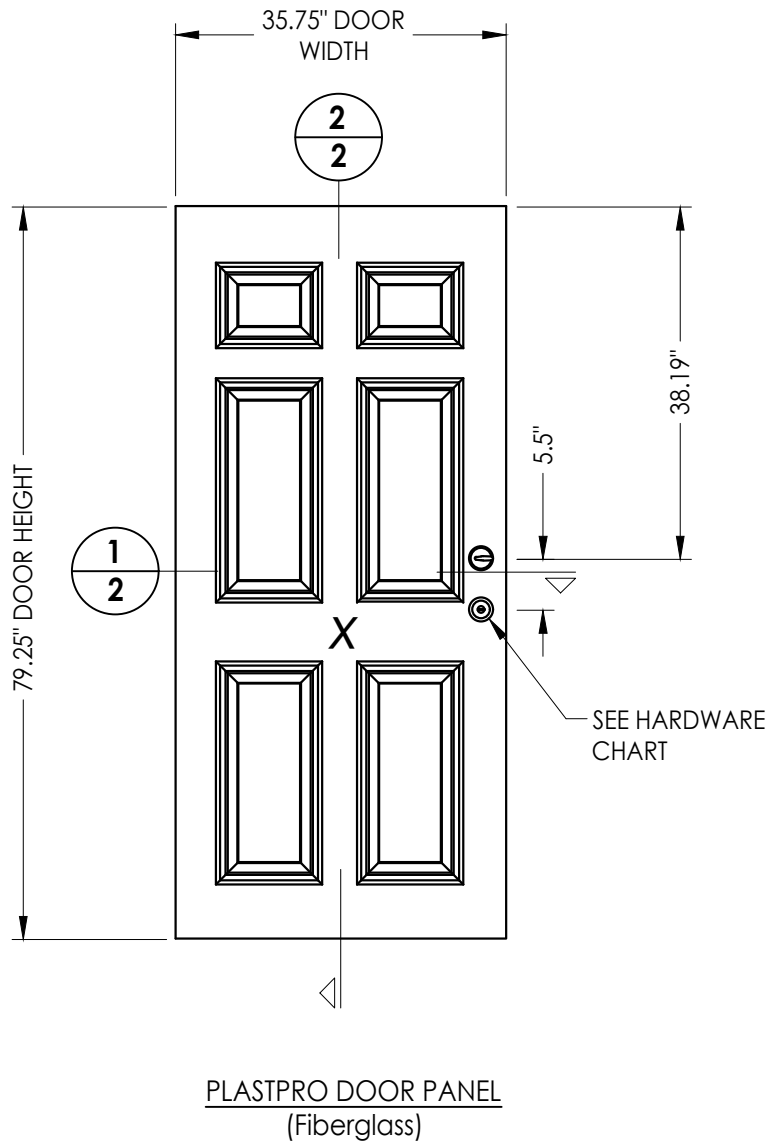
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FL-15362.11

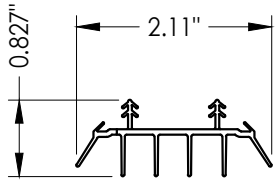
SHEET 1 OF 14

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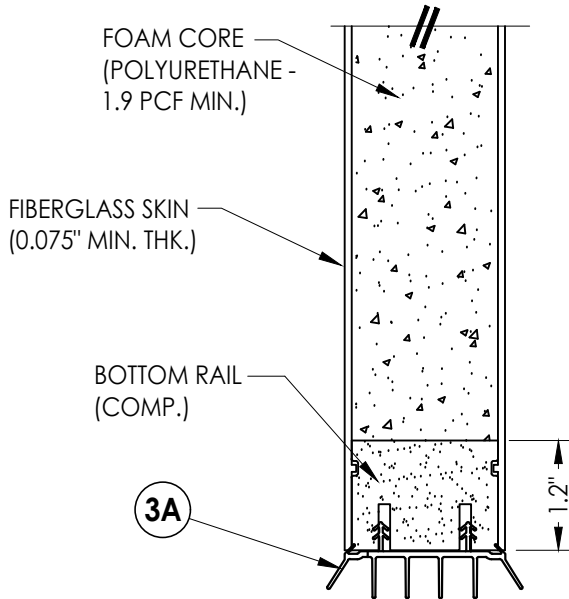
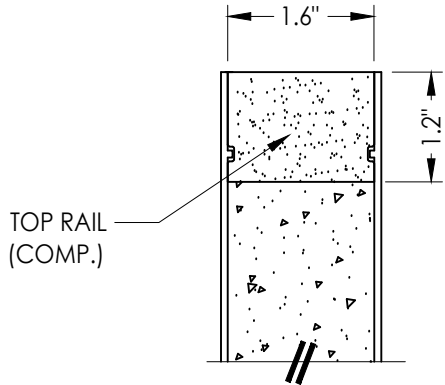


1
2 HORIZONTAL CROSS SECTION



3A DOOR SWEEP

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



2
2 VERTICAL CROSS SECTION

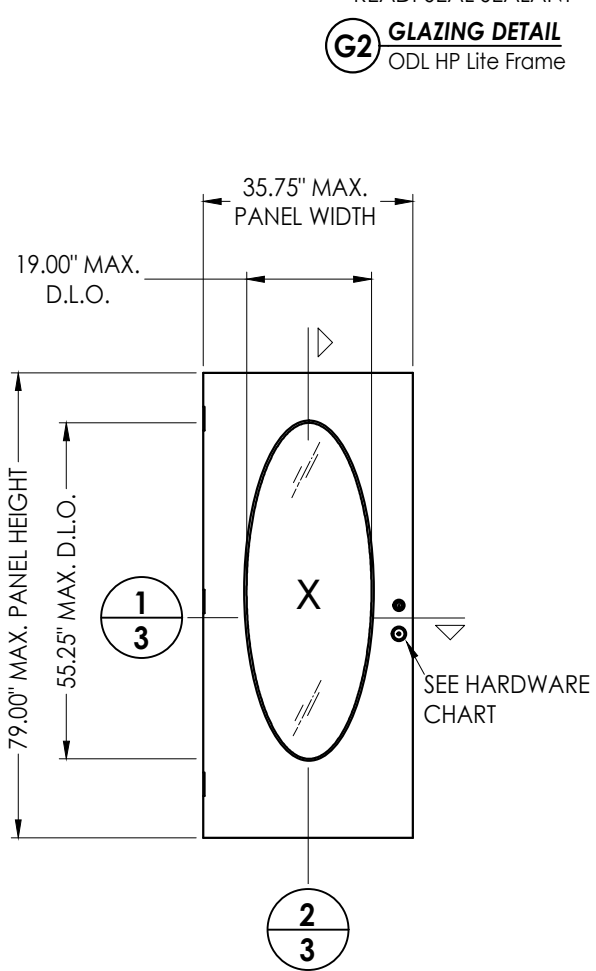
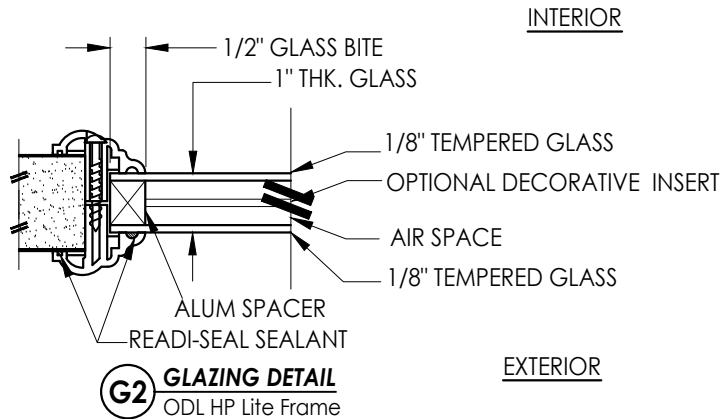
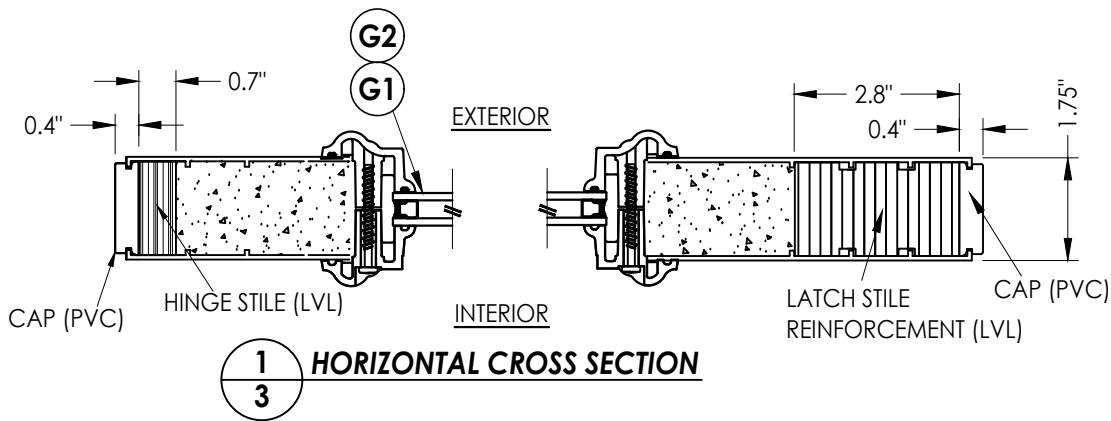
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3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE:	03/14/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15362.11
SHEET	2 OF 14

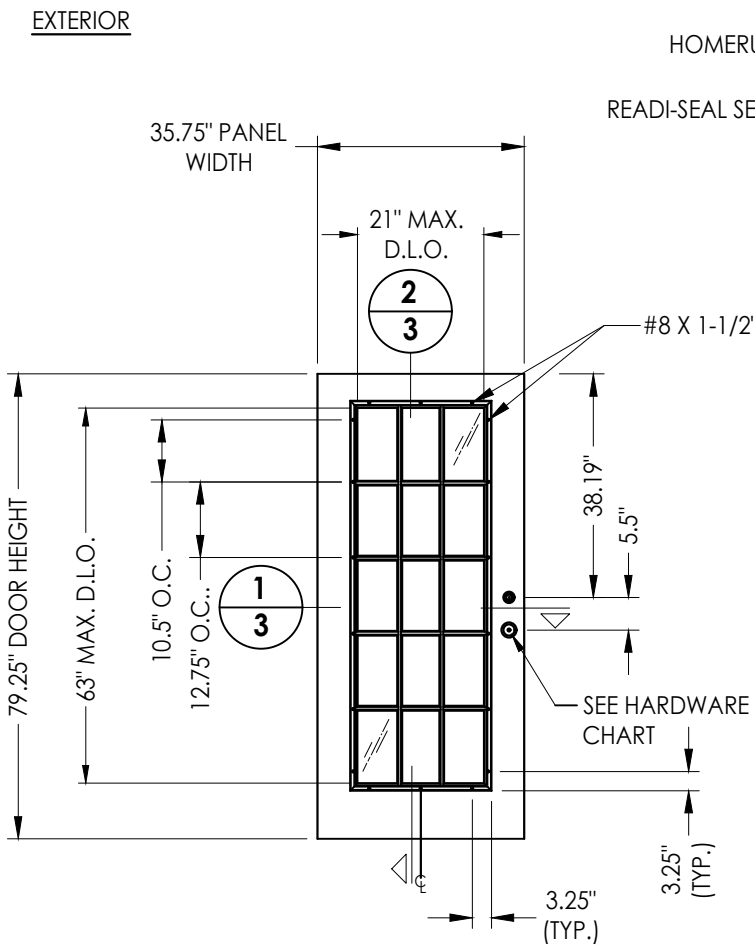
PRODUCT:	DUNBARTON ACHEIVER STEEL FRAME SYSTEM
	PART OR ASSEMBLY: DOOR PANEL DETAILS

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

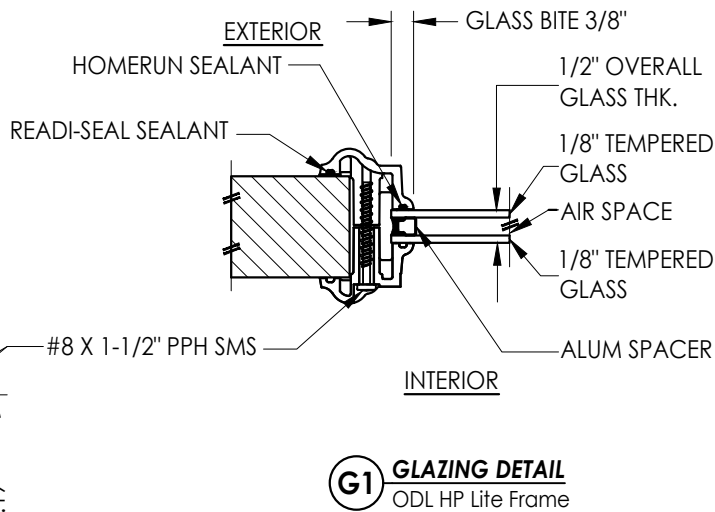
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	KNOB: FT3 SERIES DEADBOLT: FD2 SERIES	



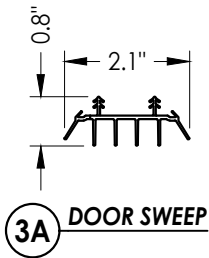
PLASTPRO FIBERGLASS DOOR PANEL
(Oval Glazed)



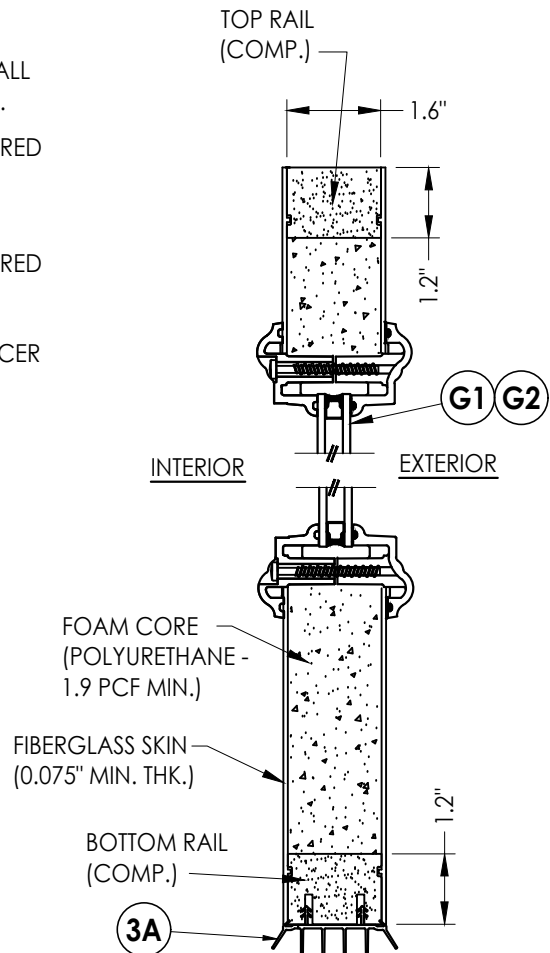
PLASTPRO FIBERGLASS DOOR PANEL (Rectangular Glazed)



G1 **GLAZING DETAIL**
ODL HP Lite Frame



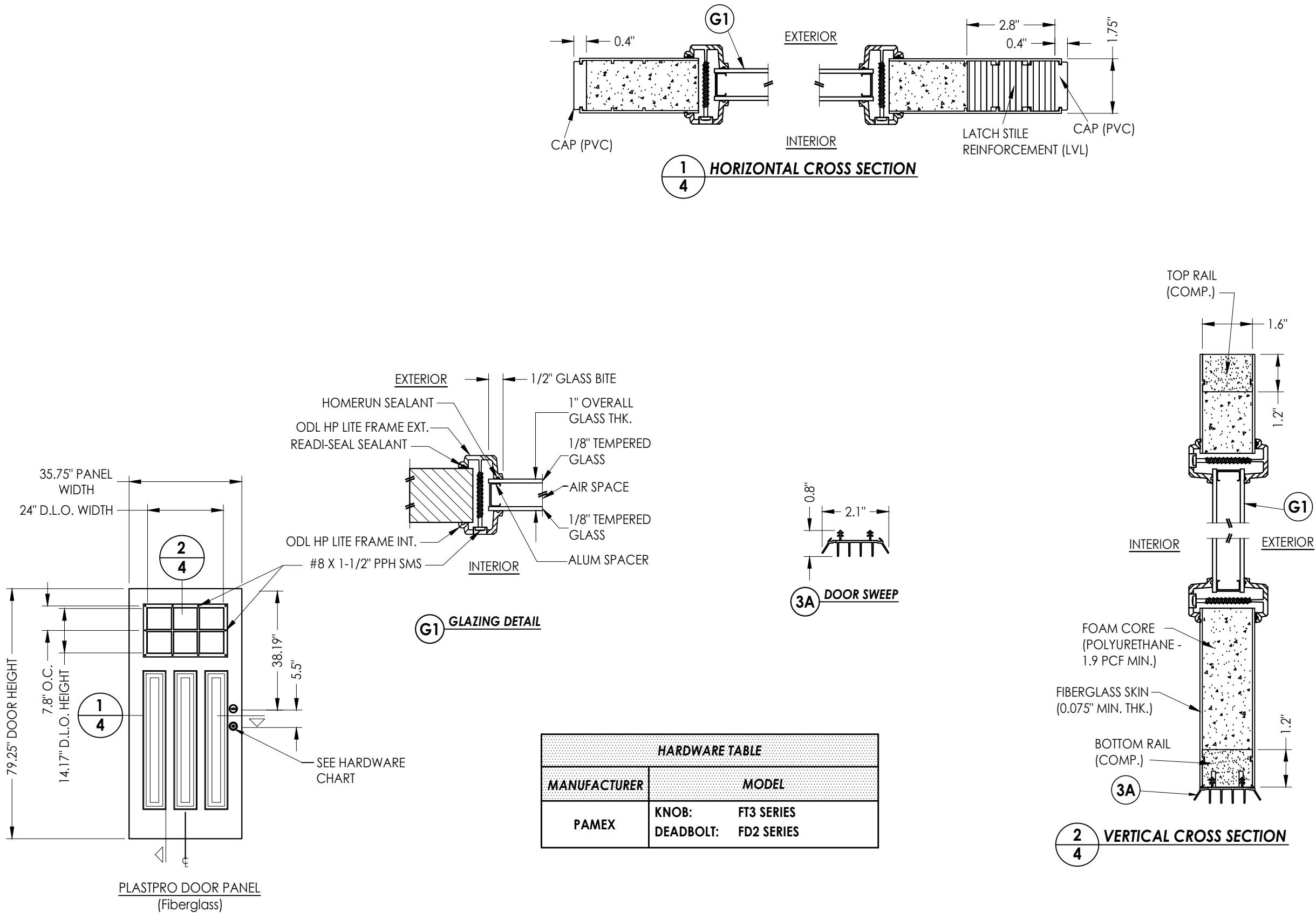
3A DOOR SWEEP



2 VERTICAL CROSS SECTION

DATE: 03/14/12		SHEET 3 OF 14	
SCALE: N.T.S.		DRAWING NO.: FL-15362.11	
DWG. BY: JK		CHK. BY: LFS	
NO. DATE		REVISONS	
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC
3	8/11/20	UPDATE TO 7th ED. (2020)	FBC
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC
			BY
PRODUCT: DUNBARTON ACHEIVER STEEL FRAME SYSTEM		PART OR ASSEMBLY: DOOR PANEL DETAILS	
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	

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P.E. No. 43409

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

PRODUCT:
DUNBARTON
REDITUFF ACHIEVER STEEL FRAME
SYSTEM

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

DATE: 03/14/12

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DWG. BY: JK

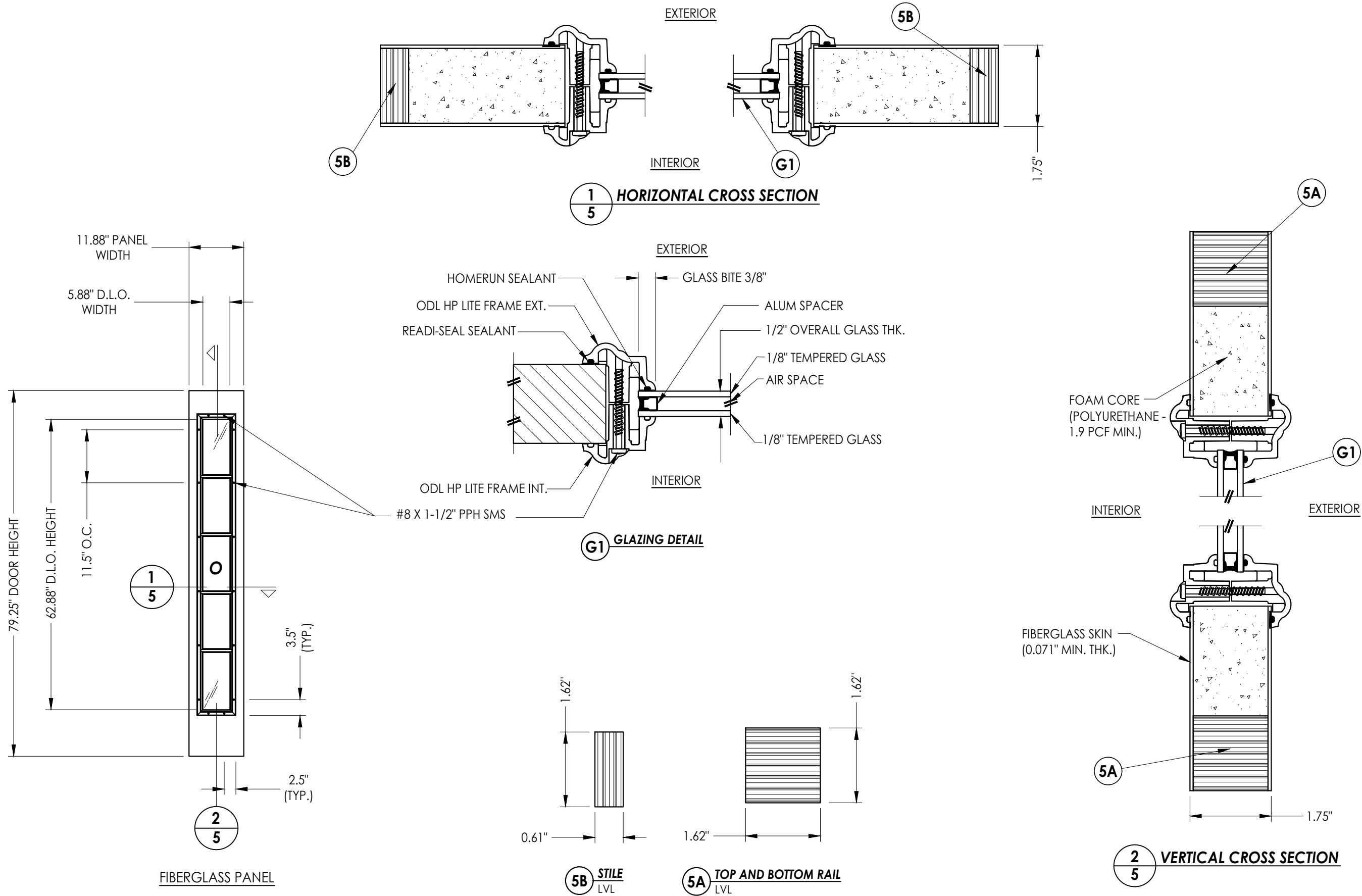
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DRAWING NO.:

FL-15362.11

SHEET 4 OF 14

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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:	DUNBARTON			
	ACHEVER STEEL FRAME SYSTEM			
	PART OR ASSEMBLY: SIDELITE PANEL DETAILS			

NO.	DATE	REVISIONS			
		BY	JK	LFS	DAC
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

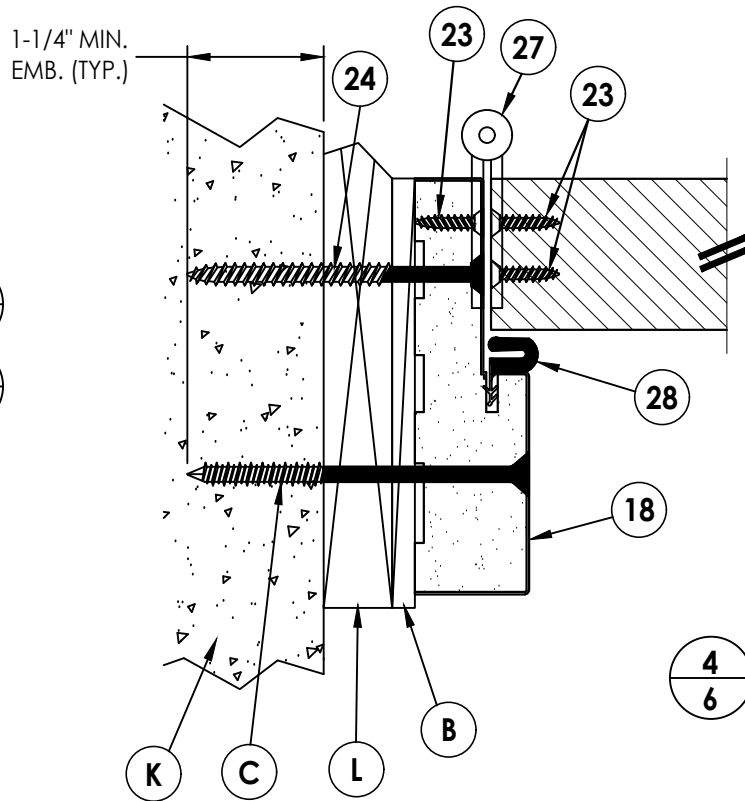
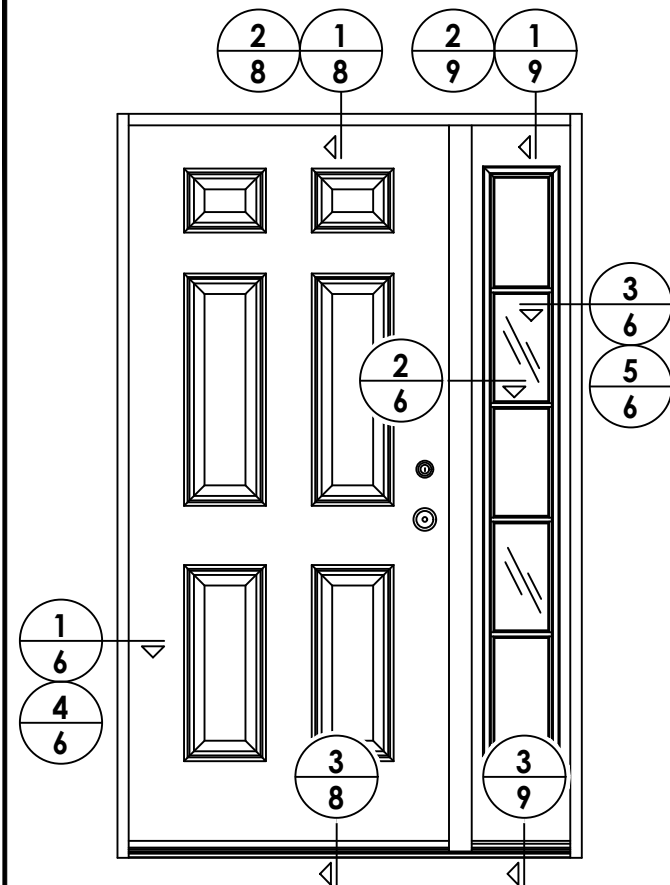
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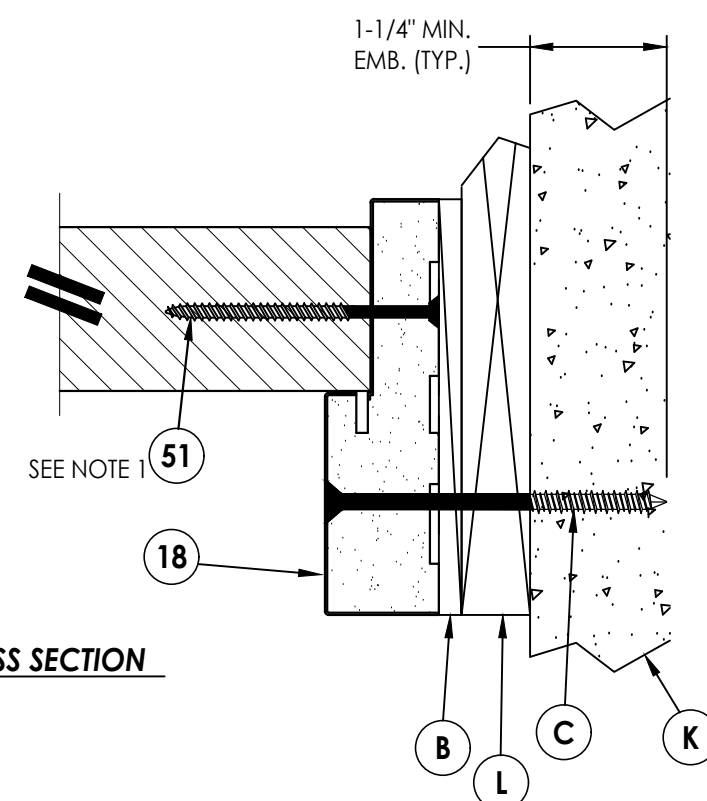
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SHEET 5 OF 14



INTERIOR

EXTERIOR



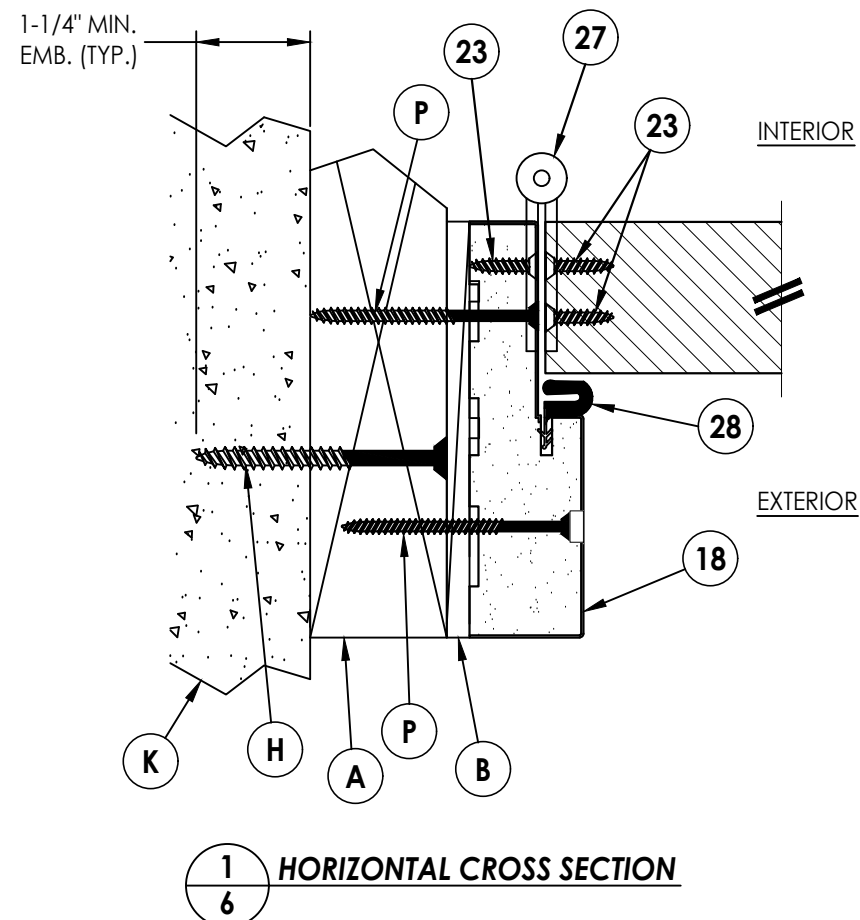
SEE NOTE 1

HORIZONTAL CROSS SECTION
Shown w/1X sub-buck

Shown w/1X sub-buck

NOTES:

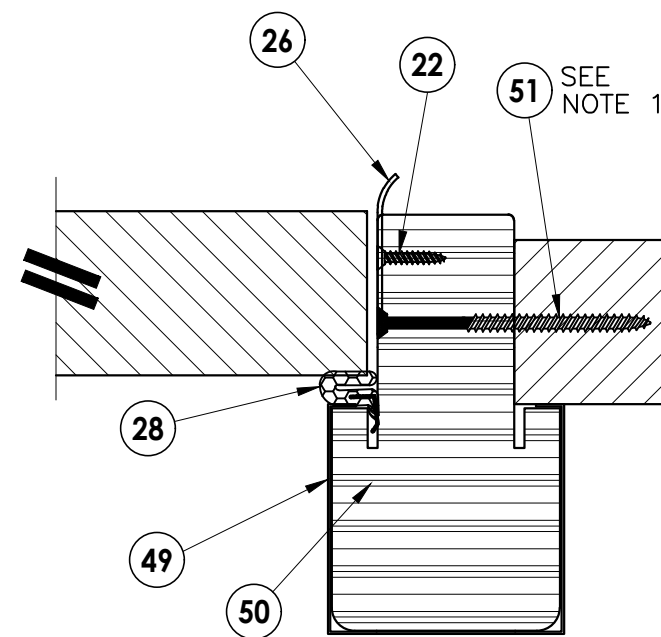
1. SCREWS ANCHORING SIDELITE TO JAMB ITEM #51 ARE LOCATED AT 17", 30.5", 44.75" & 69" FROM THE BOTTOM OF FRAME.



INTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION

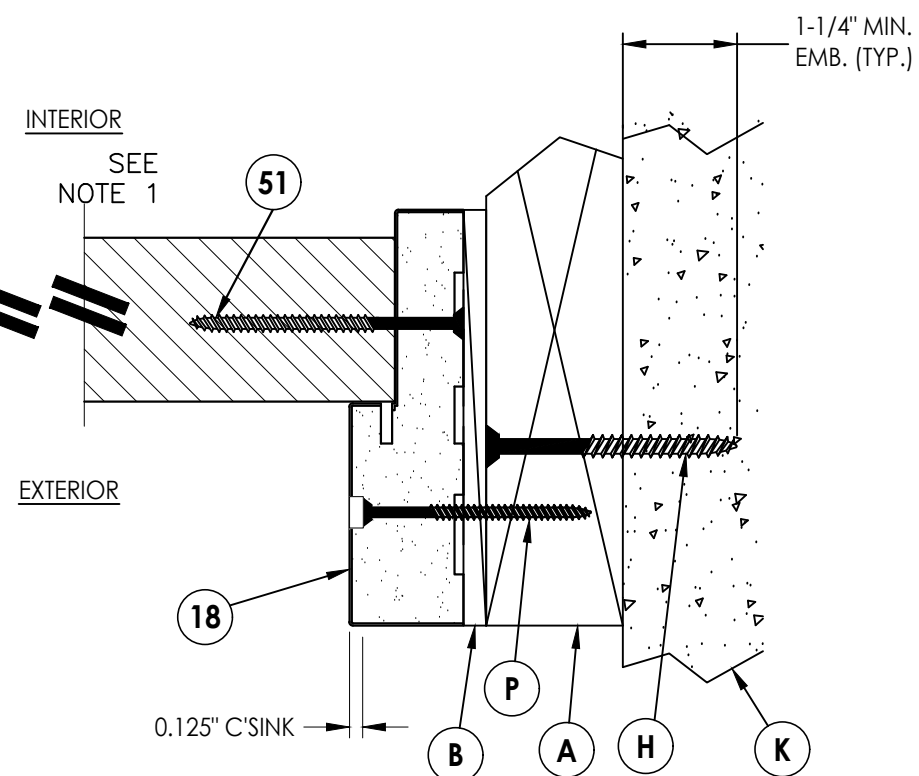


INTERIOR

SEE
NOTE 1

EXTERIOR

HORIZONTAL CROSS SECTION



0.125" C'SINK

HORIZONTAL CROSS SECTION

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

DUNBARTON ACHIEVER "E
INSWING "NON-IMPACT"

R ASSEMBLY:
**HORIZONTAL CROSS
SECTIONS**

[illegible]

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

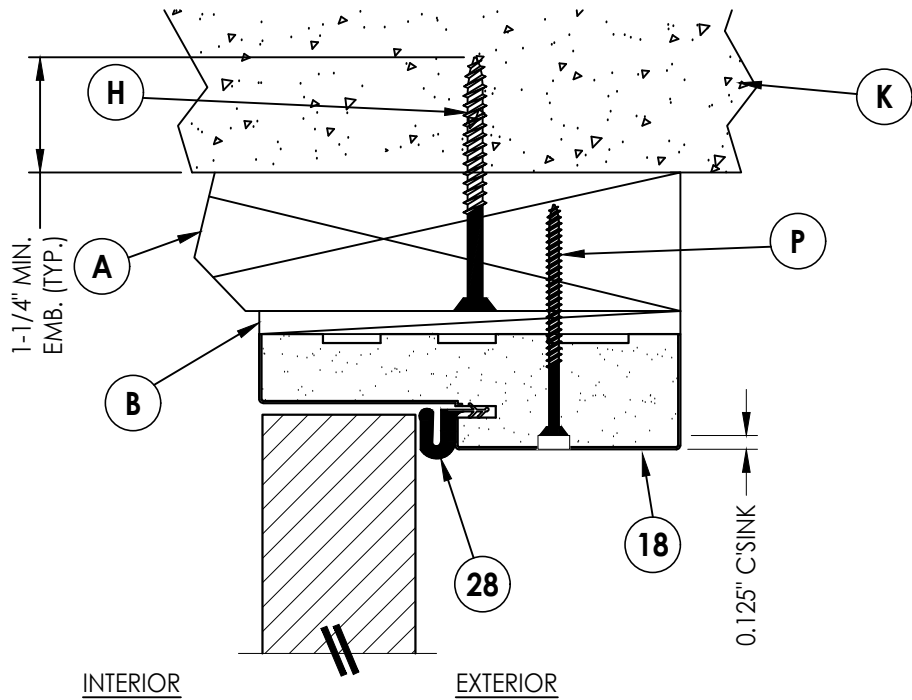
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FL-15362.11

SHEET 6 OF 14

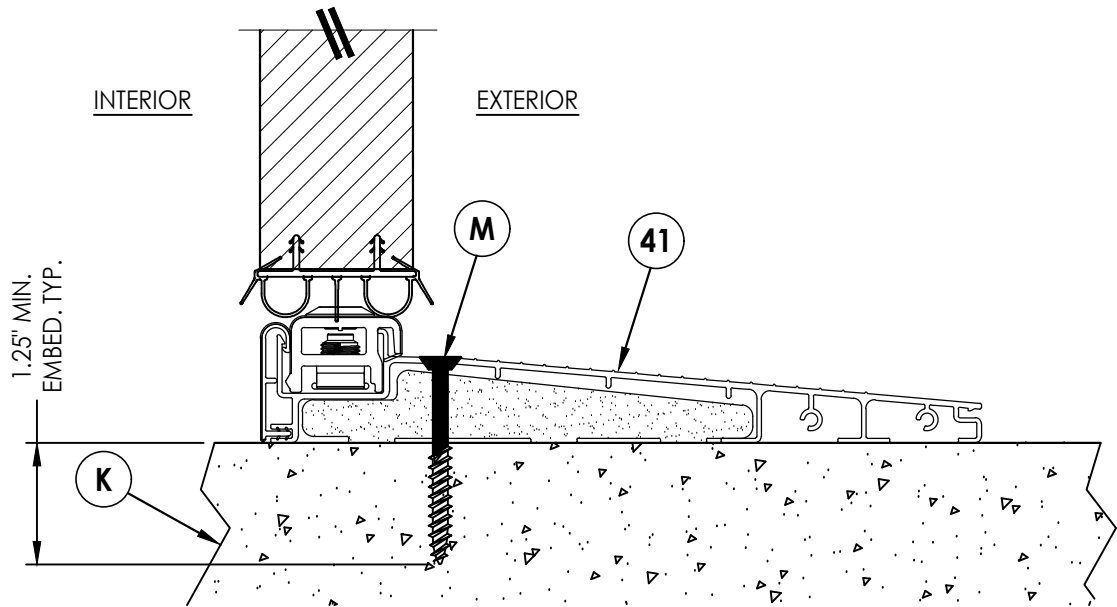
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

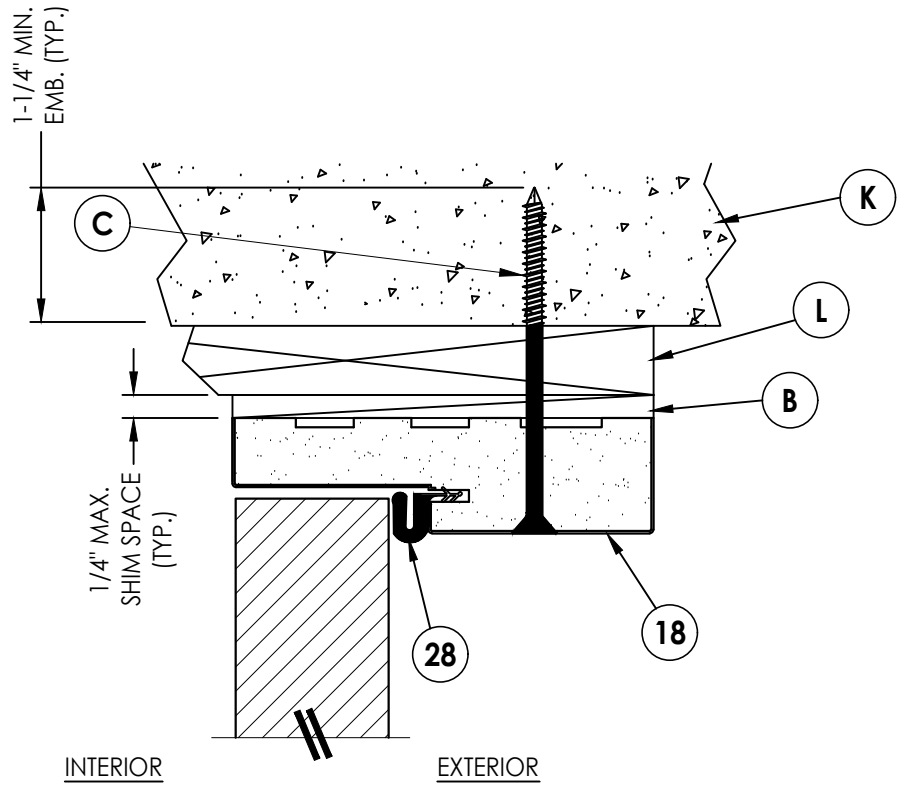
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1
8 VERTICAL CROSS SECTION



3
8 VERTICAL CROSS SECTION



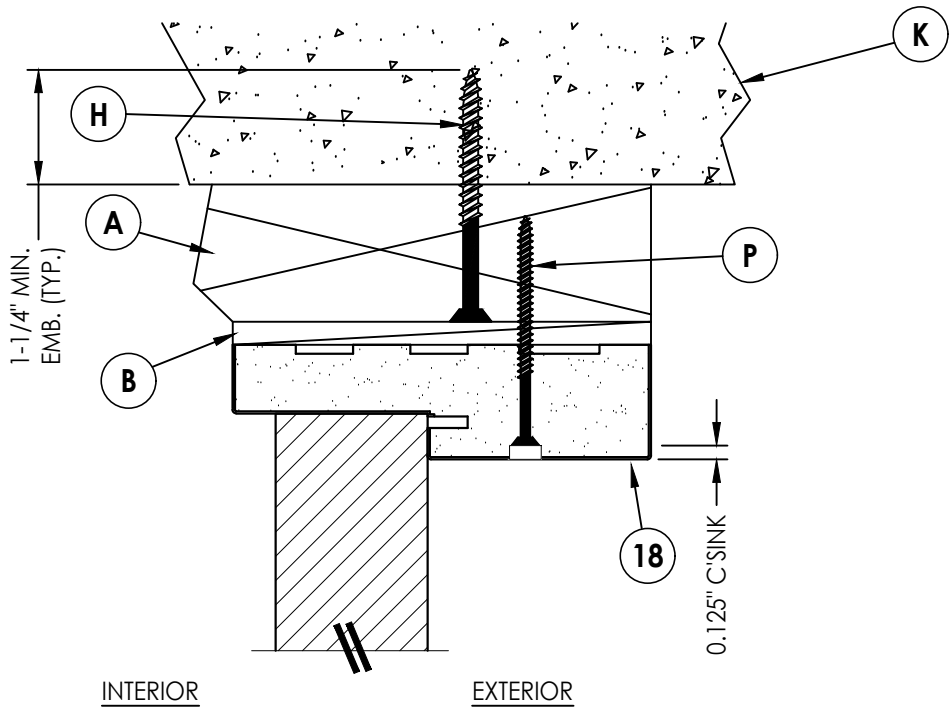
2
8 VERTICAL CROSS SECTION
Shown w/1X sub-buck

DATE: 03/14/12		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-15362.11		SHEET 8 OF 14	
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3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	LFS	DAC	3	8/11/20	UPDATE TO 7th ED. (2020)	FBC	LFS	DAC
2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	JK	2	9/29/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	JK
1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	BY	1	3/23/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	BY
NO.		DATE		REVISIONS		NO.		DATE		REVISIONS	

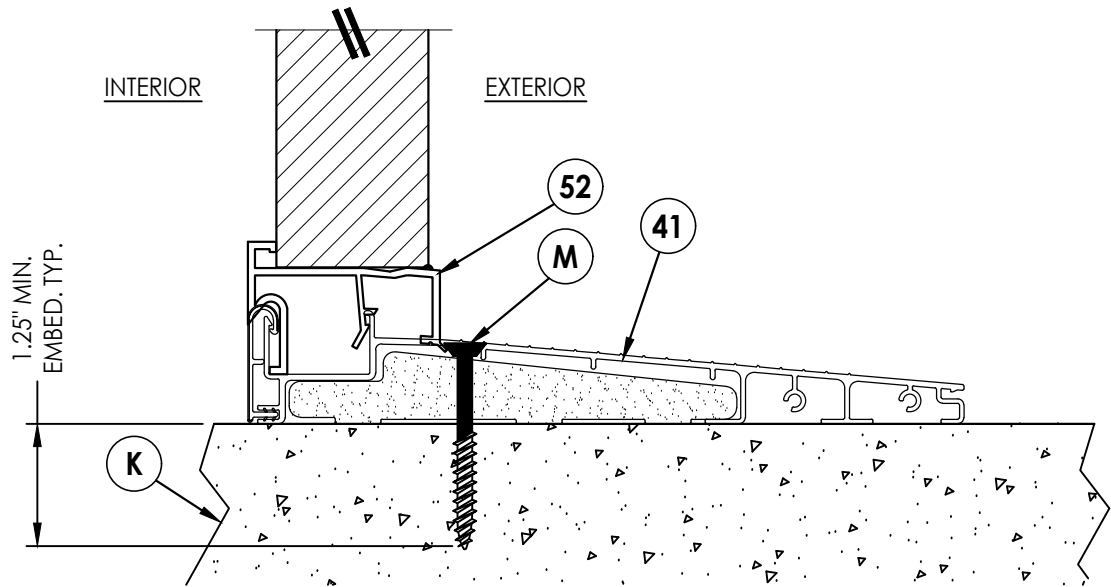
PRODUCT:		DUNBARTON ACHIEVER "ES"		INSWING "NON-IMPACT"		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
----------	--	-------------------------	--	----------------------	--	-------------------	--	-------------------------	--

Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409		R _W BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197		FBPE Registry No. 9813	
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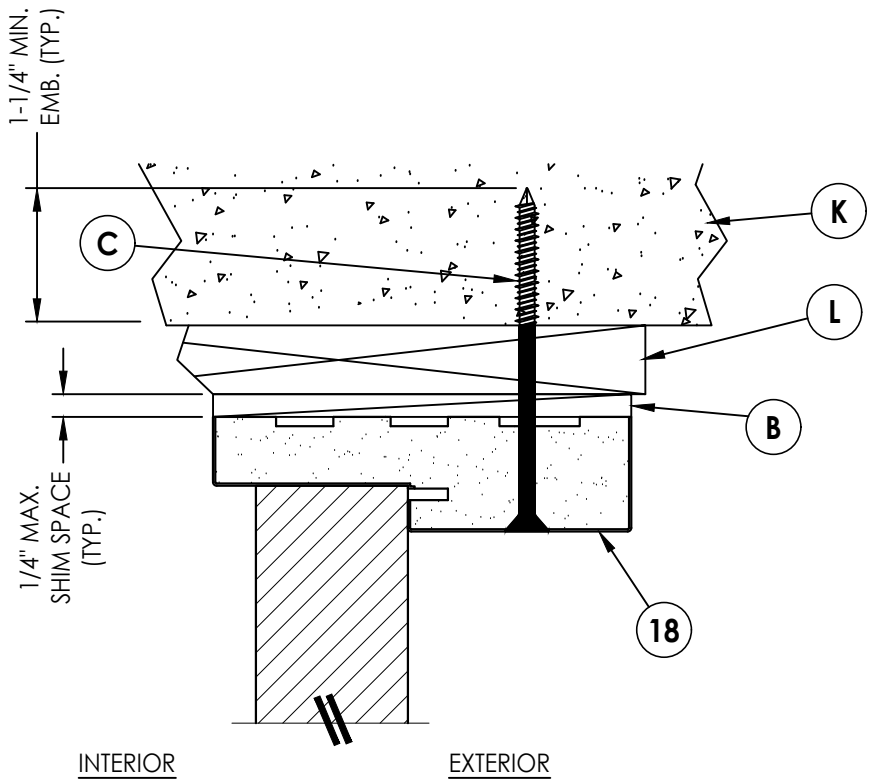
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1
9 VERTICAL CROSS SECTION



3
9 VERTICAL CROSS SECTION



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

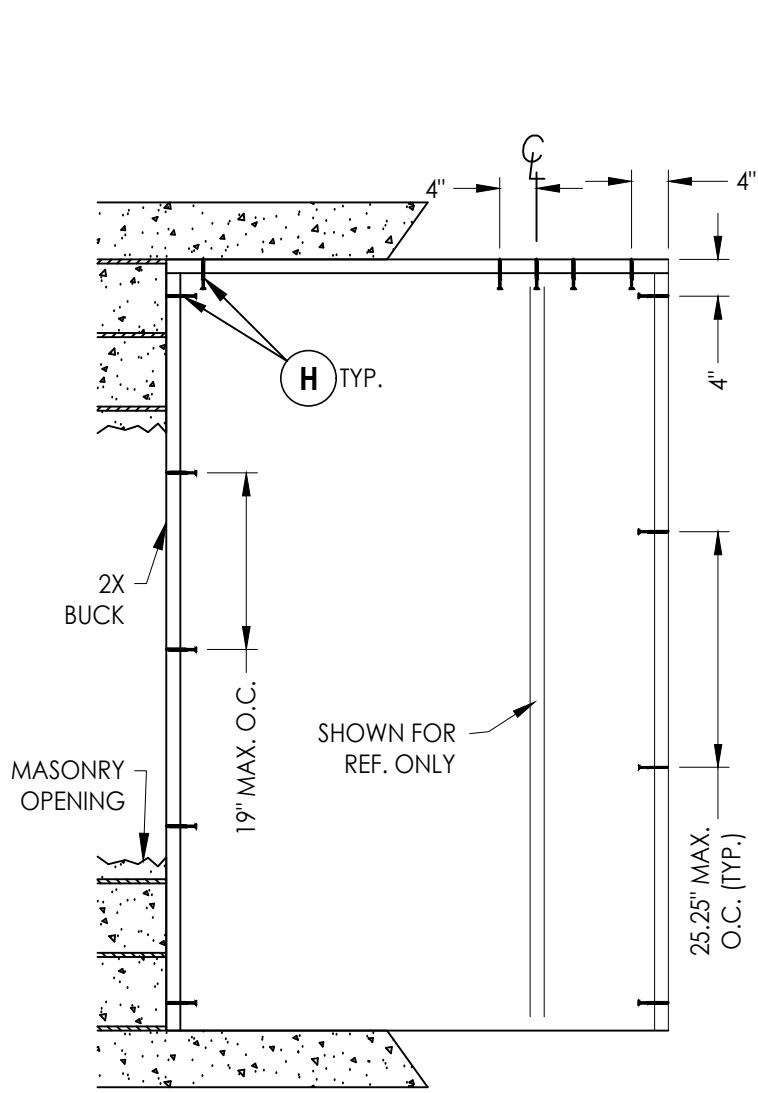
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NO.	DATE
4	7/06/23
3	8/11/20
2	9/29/17
1	3/23/15

DATE:	03/14/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15362.11
SHEET	9 of 14

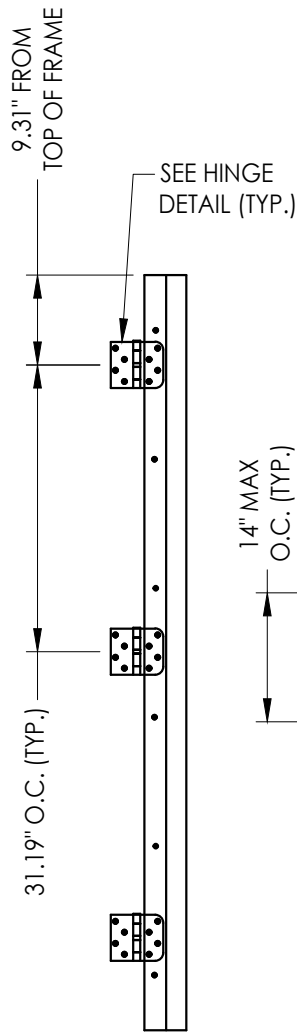
PRODUCT:	
DUNBARTON ACHIEVER "ES"	
INSWING "NON-IMPACT"	
PART OR ASSEMBLY:	
VERTICAL CROSS	
SECTIONS (SIDELITE)	

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	

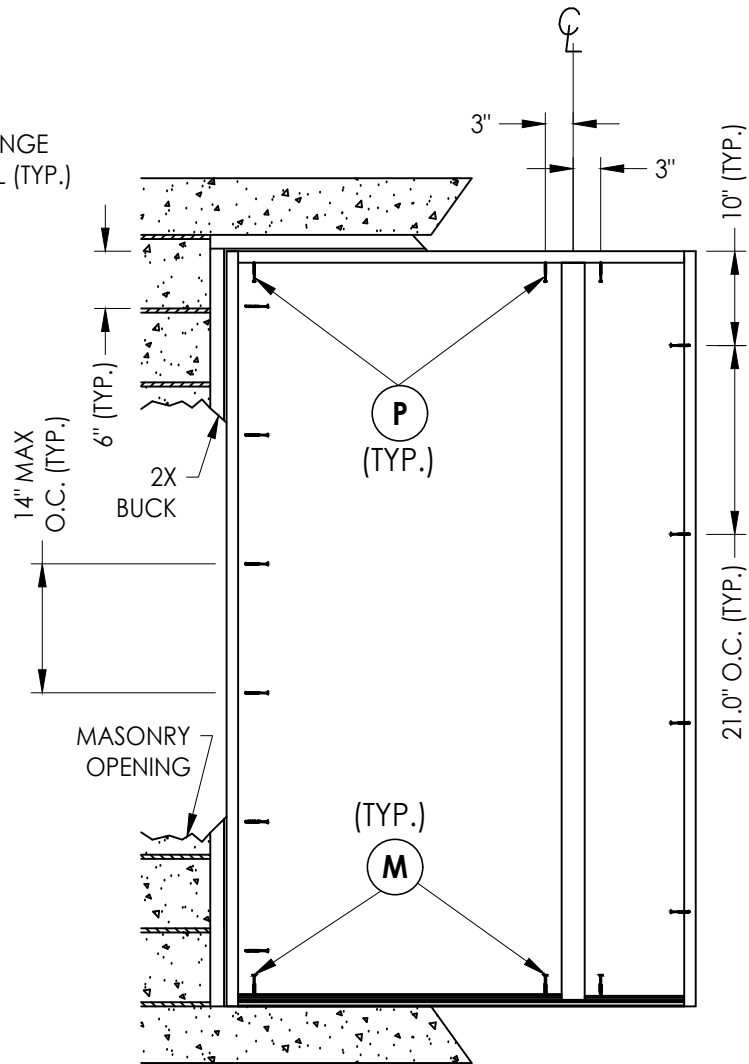
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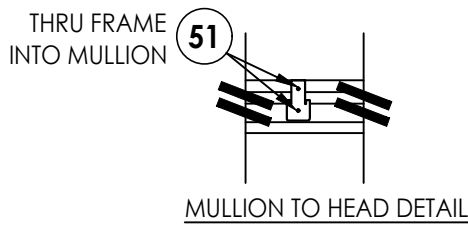
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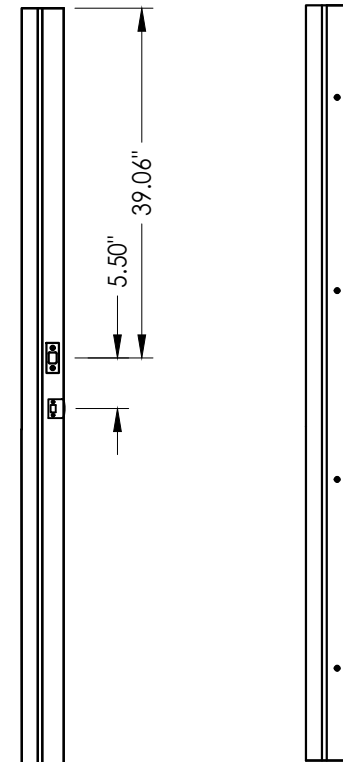
HINGE JAMB



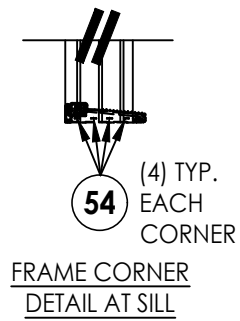
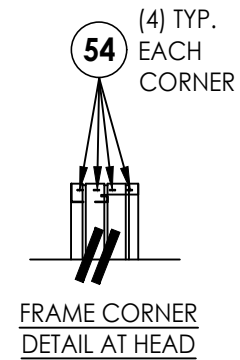
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STRIKE MULLION



SIDELITE JAMB



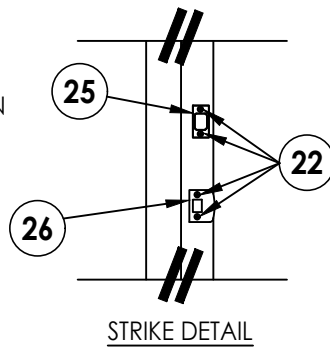
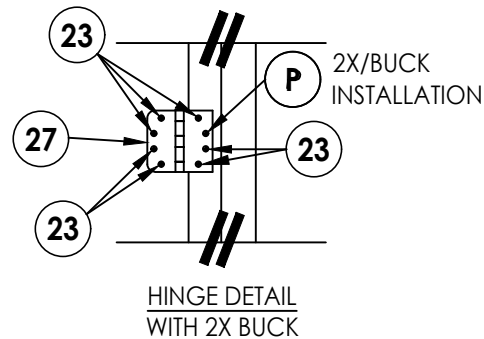
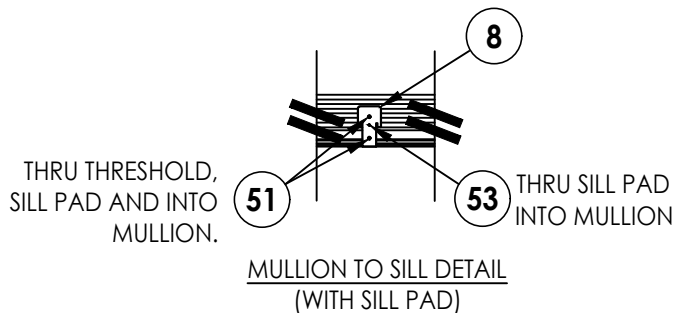
CONCRETE ANCHOR NOTES:

- 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.



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

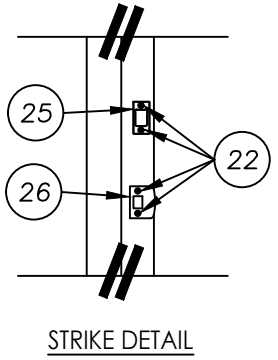
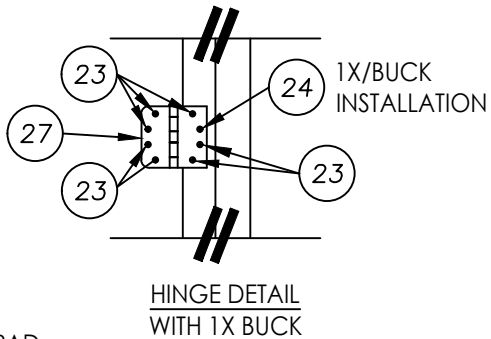
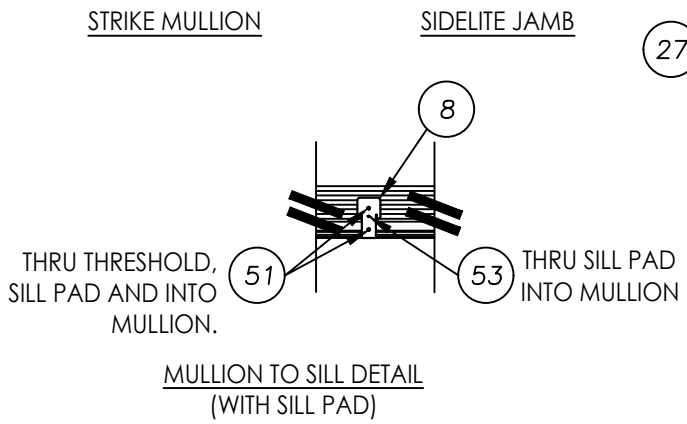
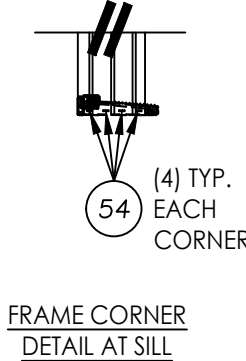
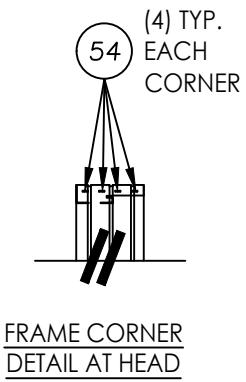
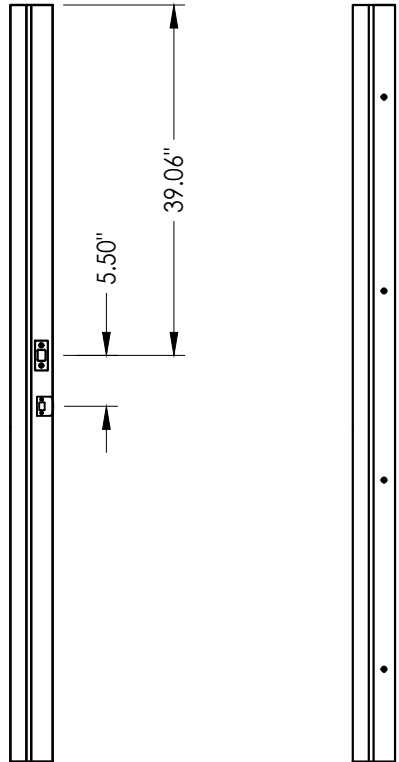
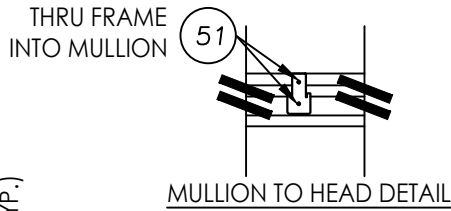
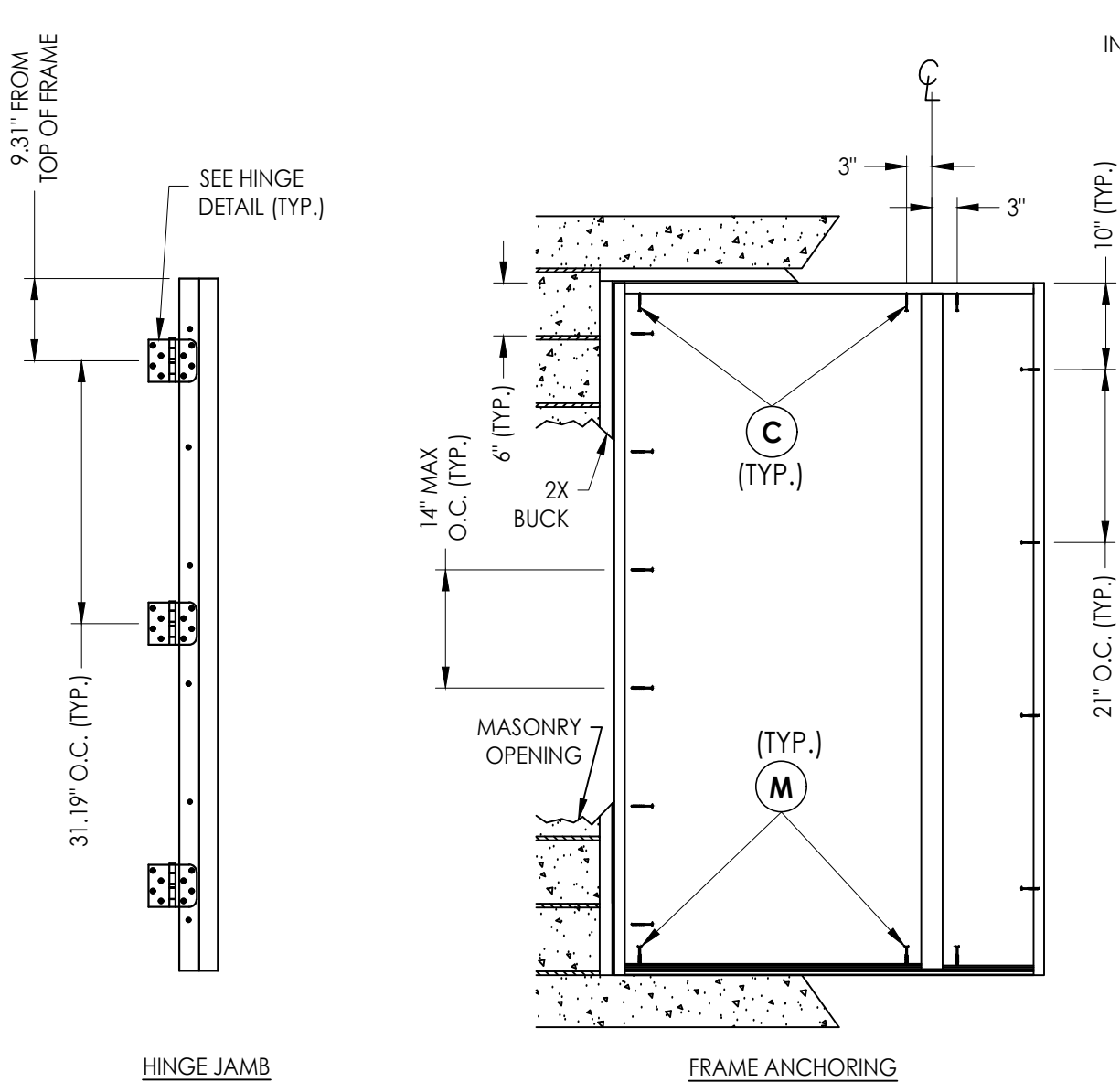
PRODUCT:
DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

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

DATE: 03/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15362.11
SHEET 10 OF 14

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

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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.
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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:
Lyndon F. Schmidt
P.E. No. 43409

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

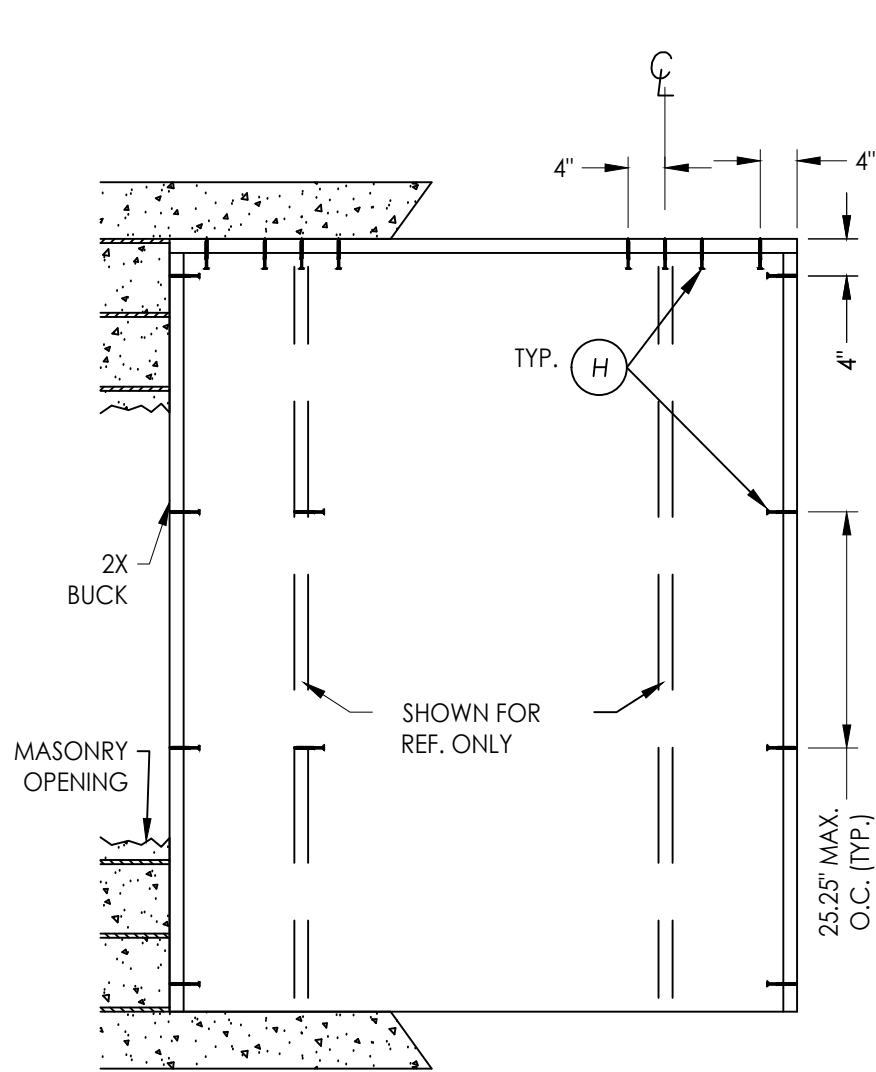
PART OR ASSEMBLY:
FRAME ANCHORING
1X WOOD BUEK

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

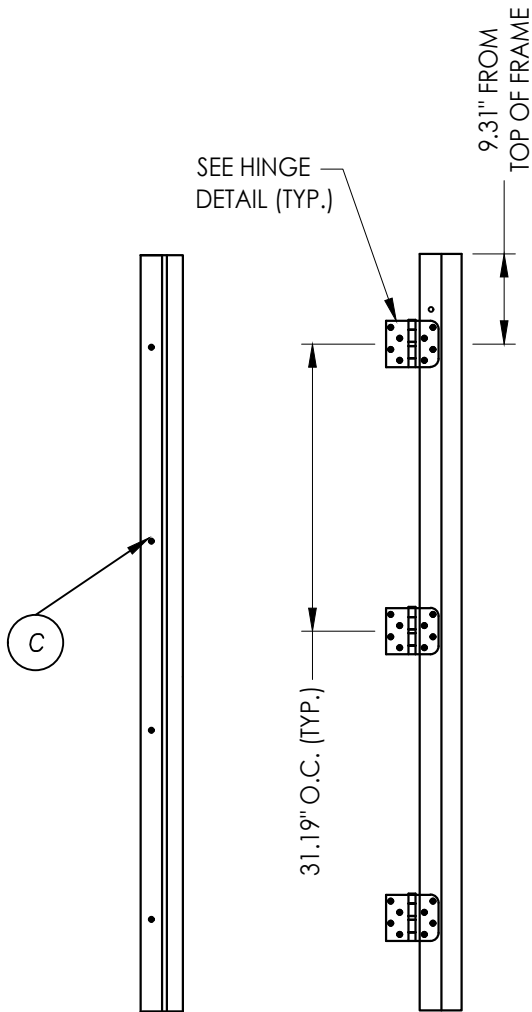
DATE: 03/14/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15362.11
SHEET 11 OF 14

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

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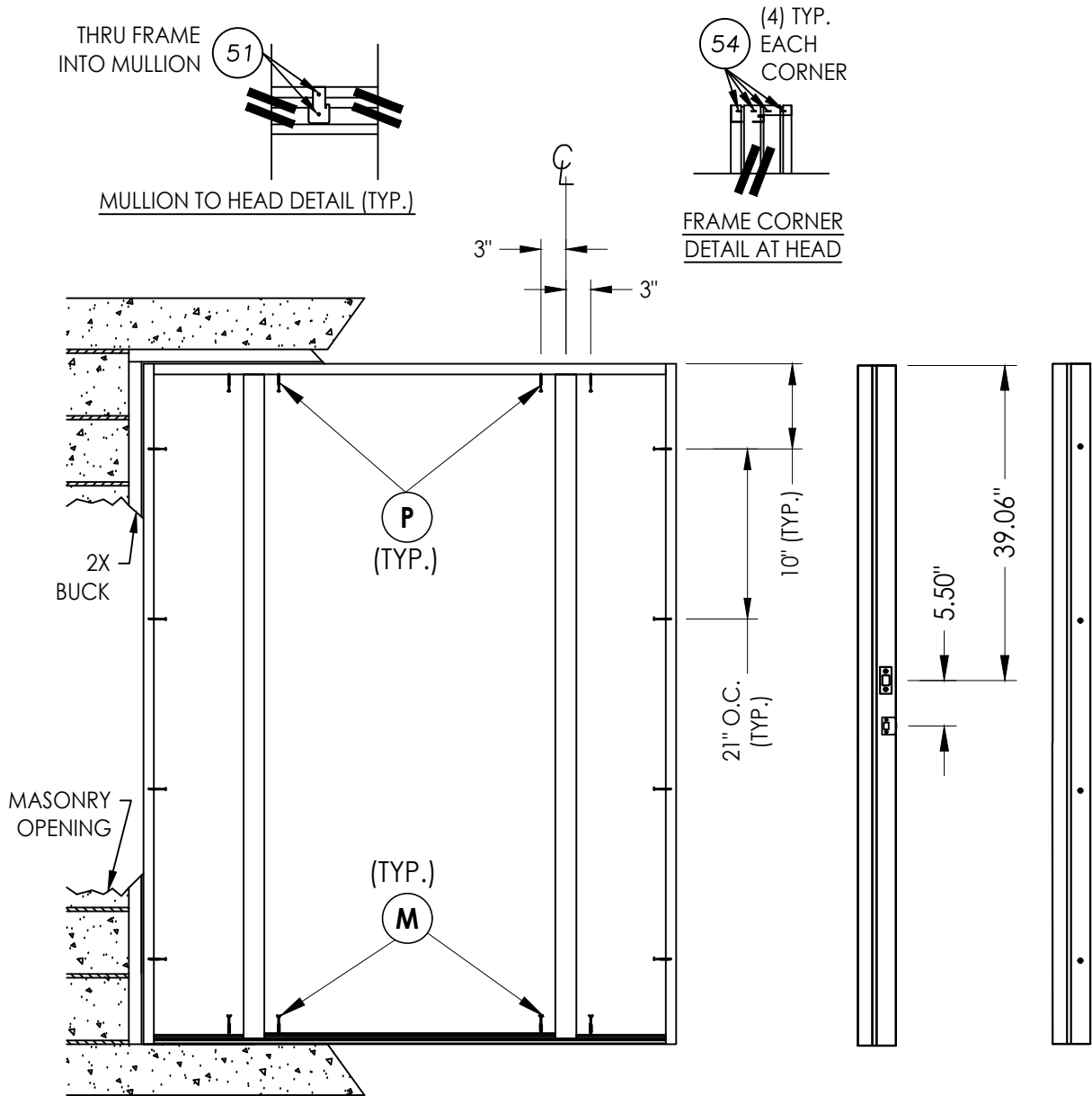


BUCK ANCHORING



SIDELITE JAMB

HINGE MULLION



FRAME ANCHORING

STRIKE MULLION

SIDELITE JAMB

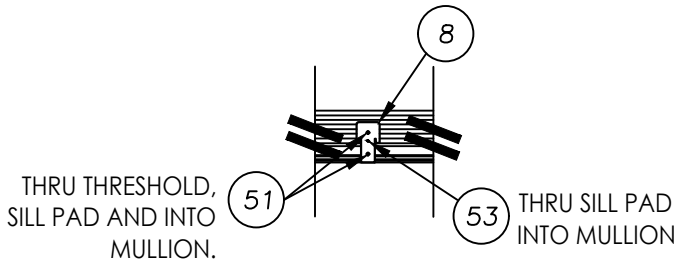
CONCRETE ANCHOR NOTES:

- 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:

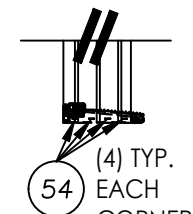
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

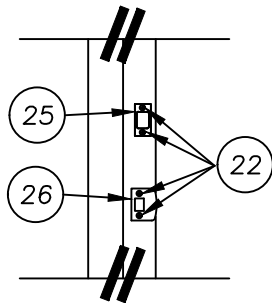
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



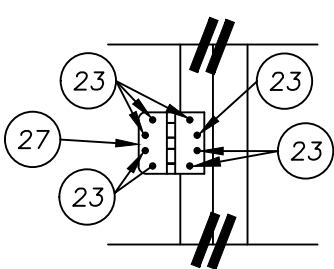
MULLION TO SILL DETAIL (TYP.)
(WITH SILL PAD)



FRAME CORNER
DETAIL AT SILL



STRIKE DETAIL



HINGE DETAIL
WITH 2X BUCK

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

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

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

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.

DWG. BY: JK

CHK. BY: LFS

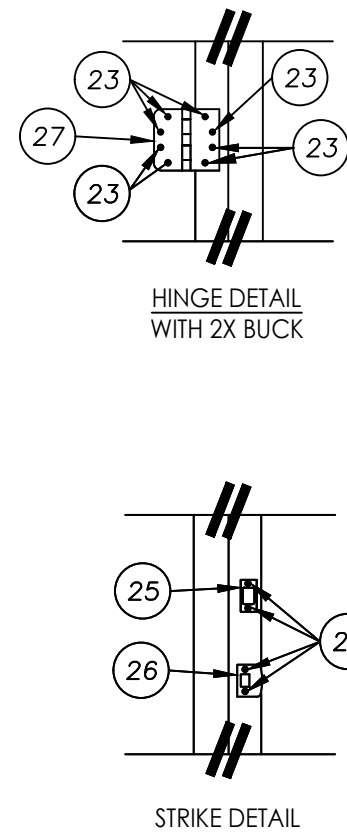
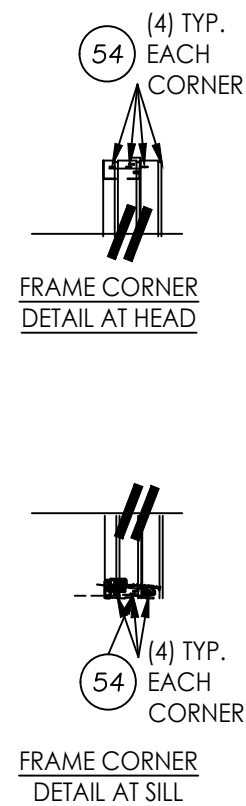
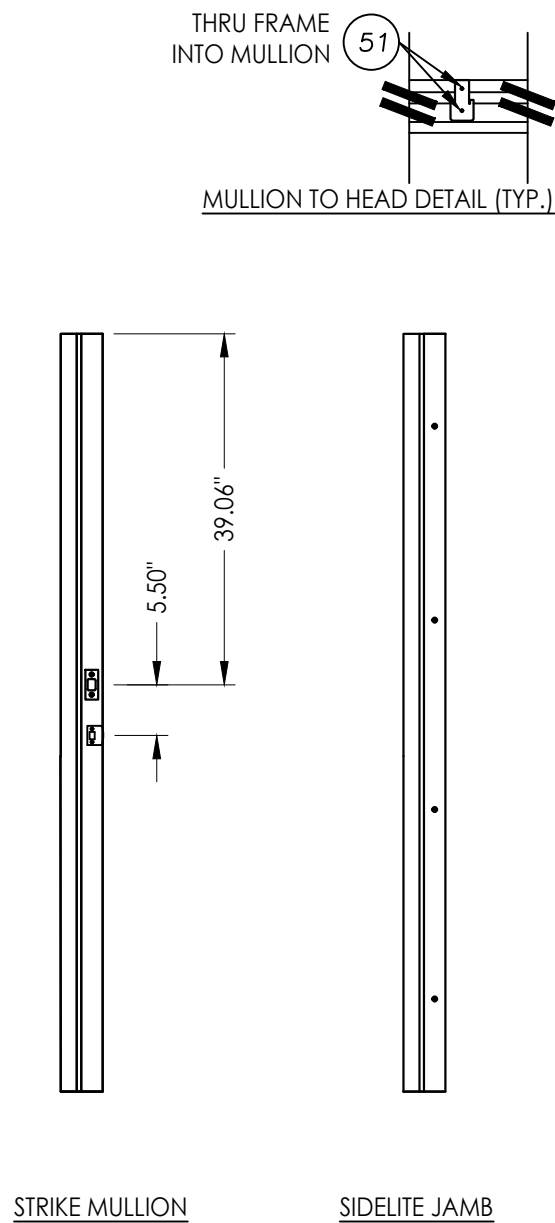
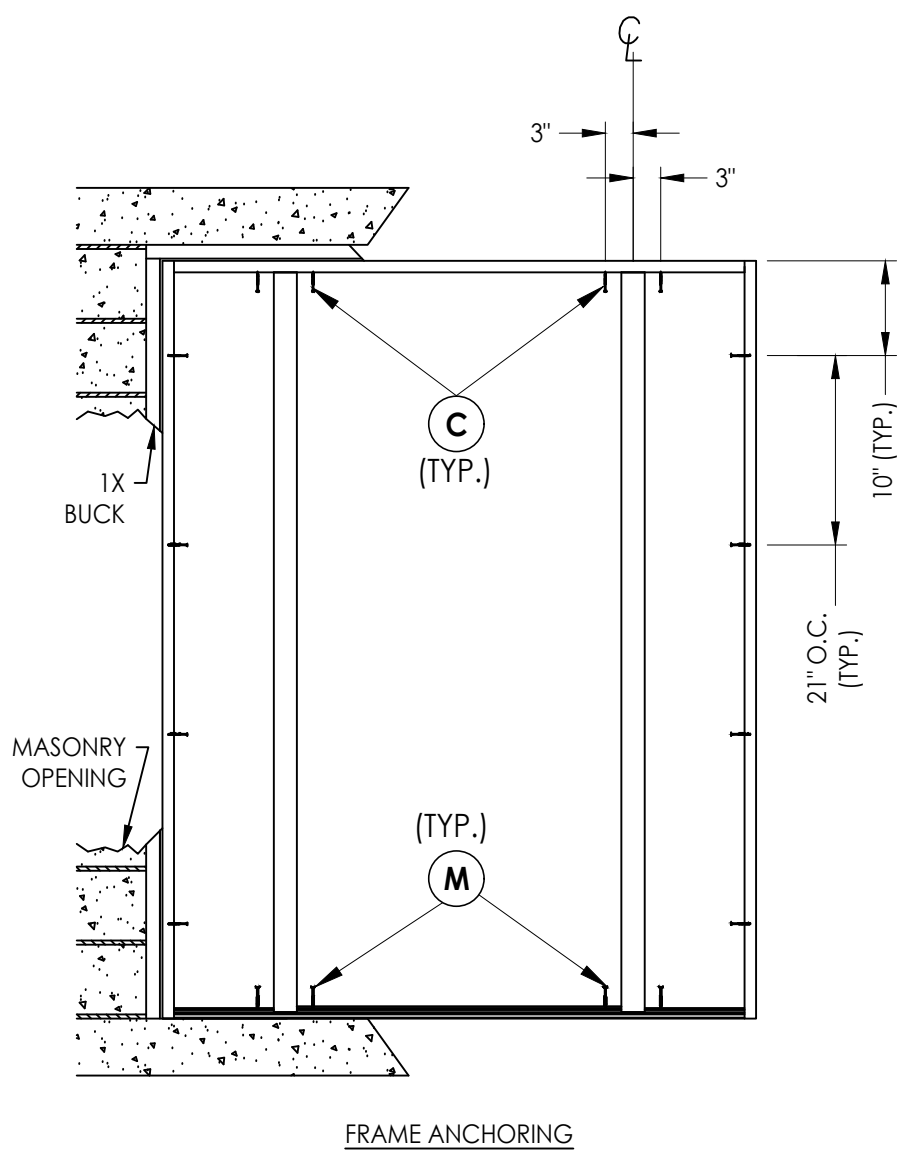
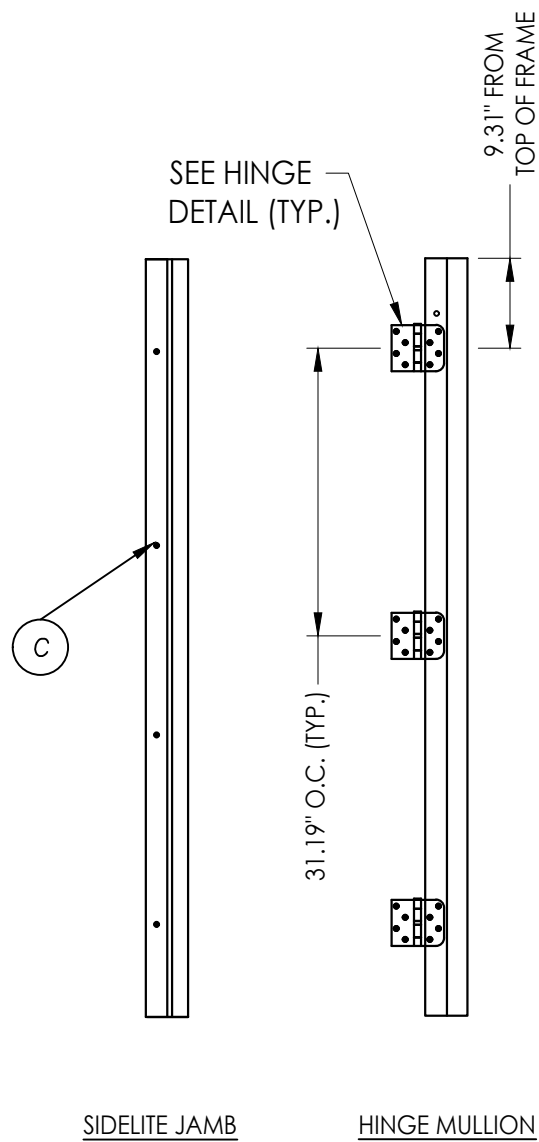
DRAWING NO.: FL-15362.11

SHEET 12 OF 14

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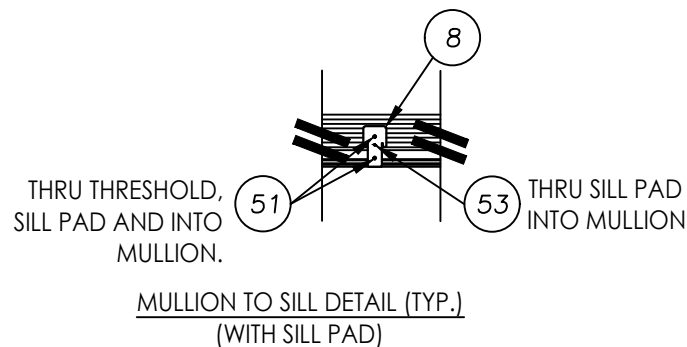
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WOOD SCREW INSTALLATION NOTES:

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



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

PRODUCT:

DUNBARTON ACHIEVER "ES"
INSWING "NON-IMPACT"

PART OR ASSEMBLY:

FRAME ANCHORING
1X WOOD BUCK

DATE: 03/14/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15362.11

SHEET 13 OF 14

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