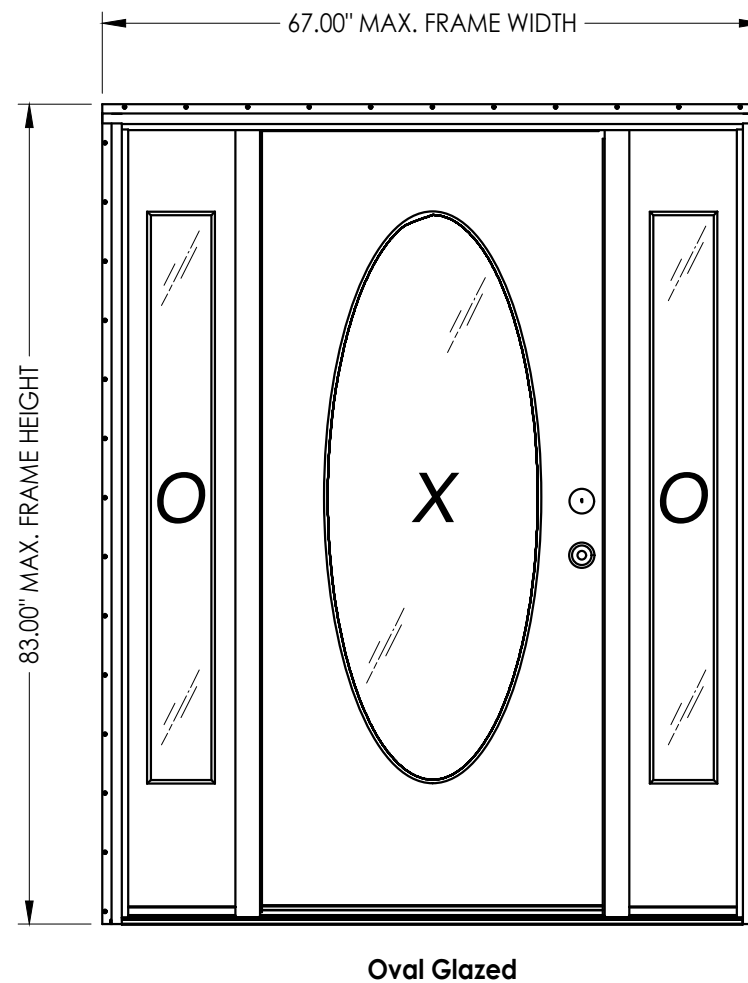




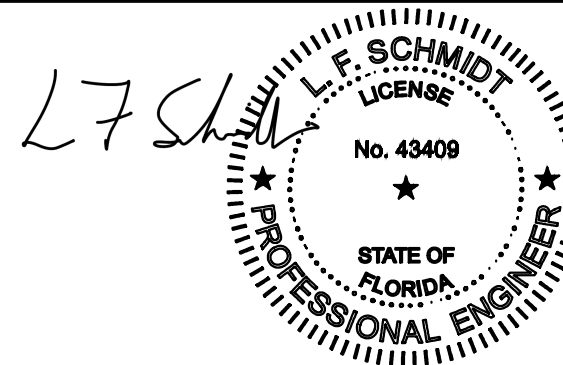
ACHIEVER
STEEL FRAME SYSTEM
with Sidelite(s)
Utilizing a Fiberglass Door Panel
INSWING
"NON-IMPACT"

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. 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 anchoring
11	Frame anchoring
12	Frame anchoring
13	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	67.00" X 83.00"	35.75" X 79.00"	12.13" X 79.00"	+45.0	-50.0
Rectangular Glazed				+45.0	-50.0
1/4 Lite Glazed				+50.0	-55.0
Opaque				+56.0	-56.0



Digitally signed
by Lyndon F
Schmidt
Date:
2023.07.06
18:14:01 -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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: DUNBARTON
ACHIEVER STEEL FRAME SYSTEM

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

	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	
REVISIONS						

DATE: 03/14/12

SCALE: *N.T.S.*

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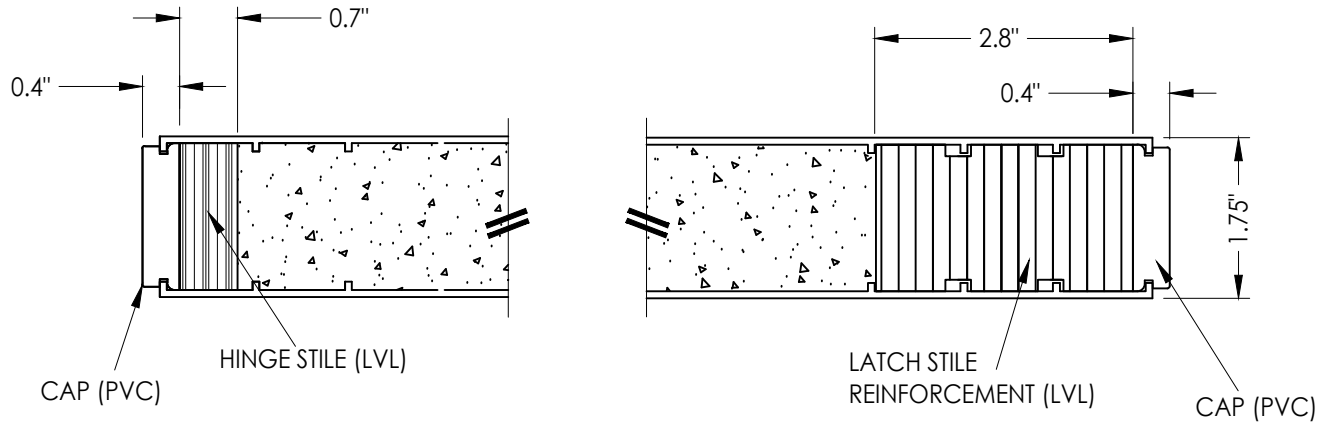
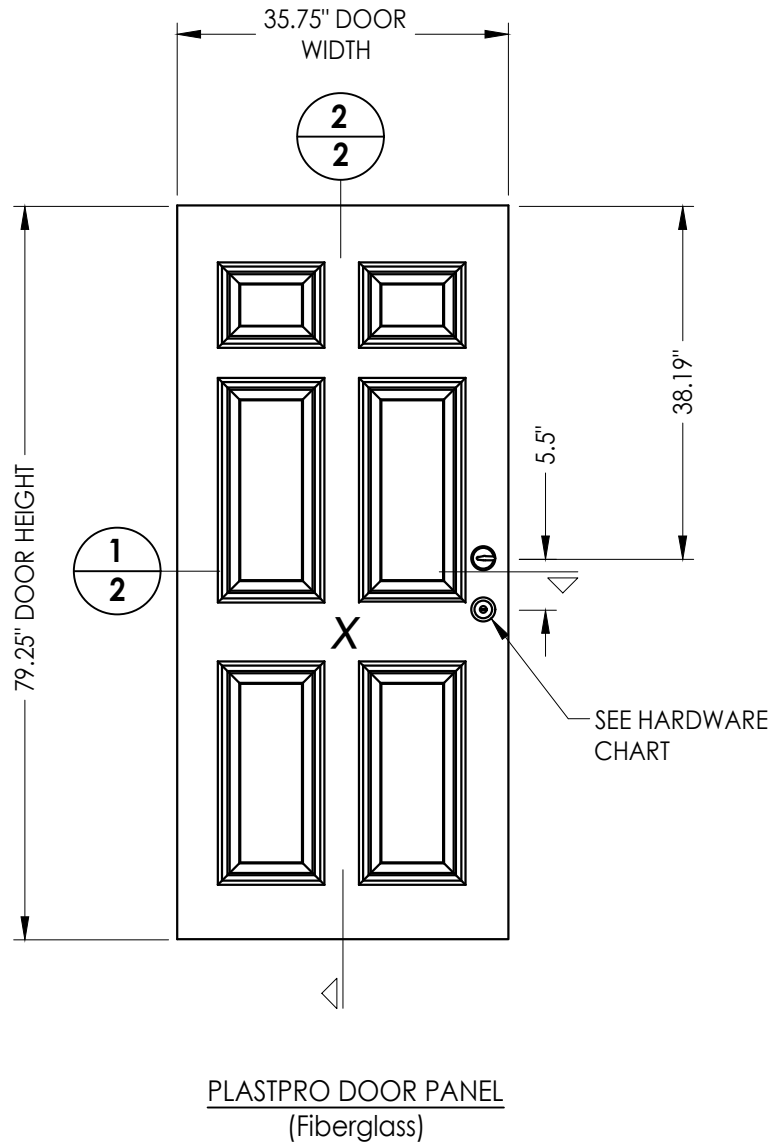
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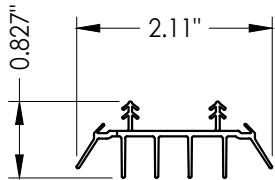
FL-15362.5

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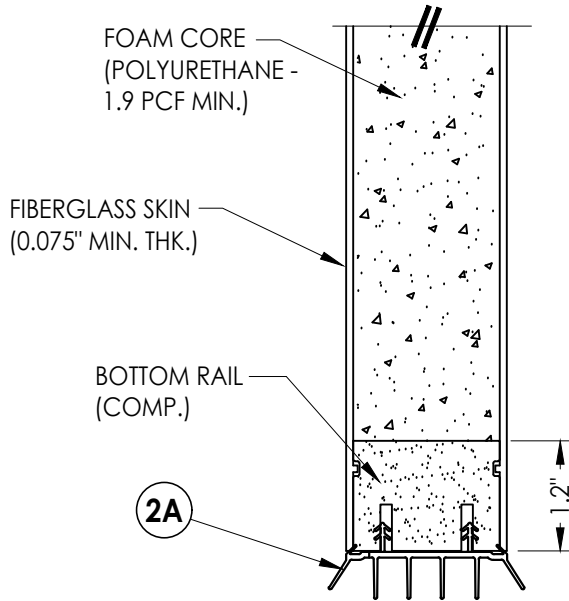
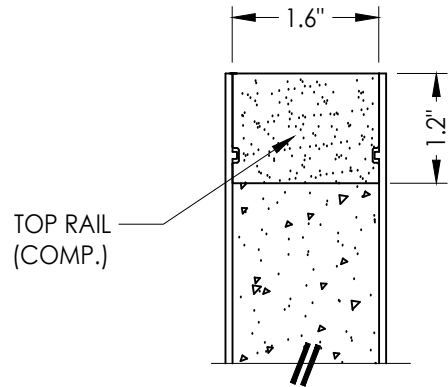


1 2 HORIZONTAL CROSS SECTION



2A DOOR SWEEP

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



2 2 VERTICAL CROSS SECTION

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
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-15362.5
SHEET	2 OF 13

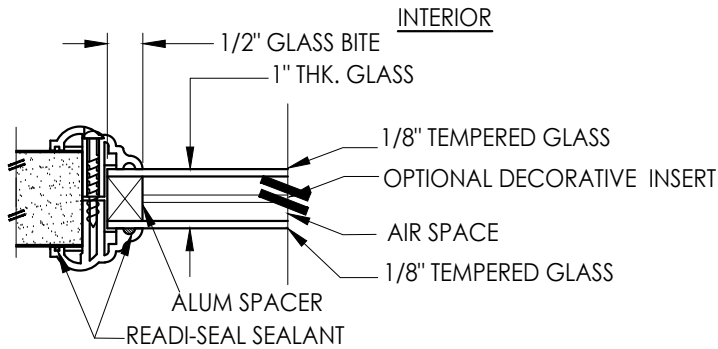
PRODUCT:	DUNBARTON
	ACHEIVER STEEL FRAME SYSTEM
PART OR ASSEMBLY:	DOOR PANEL DETAILS

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

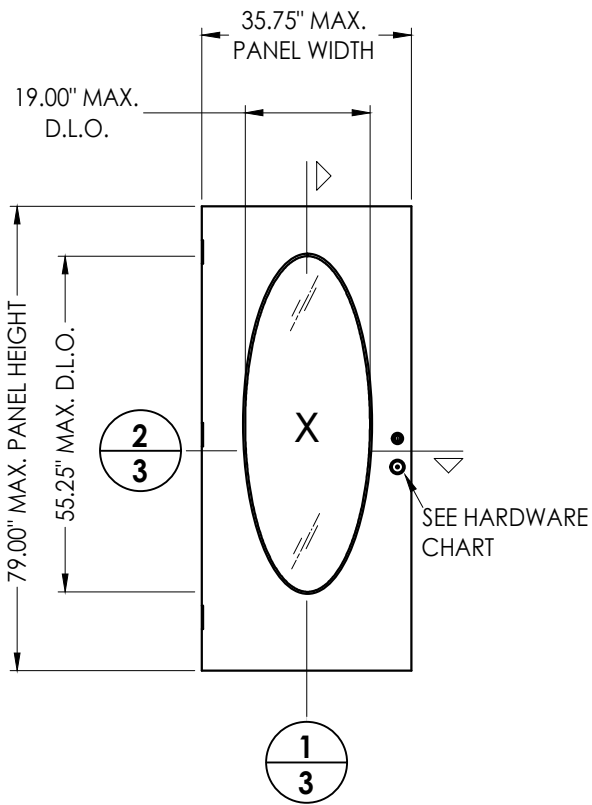
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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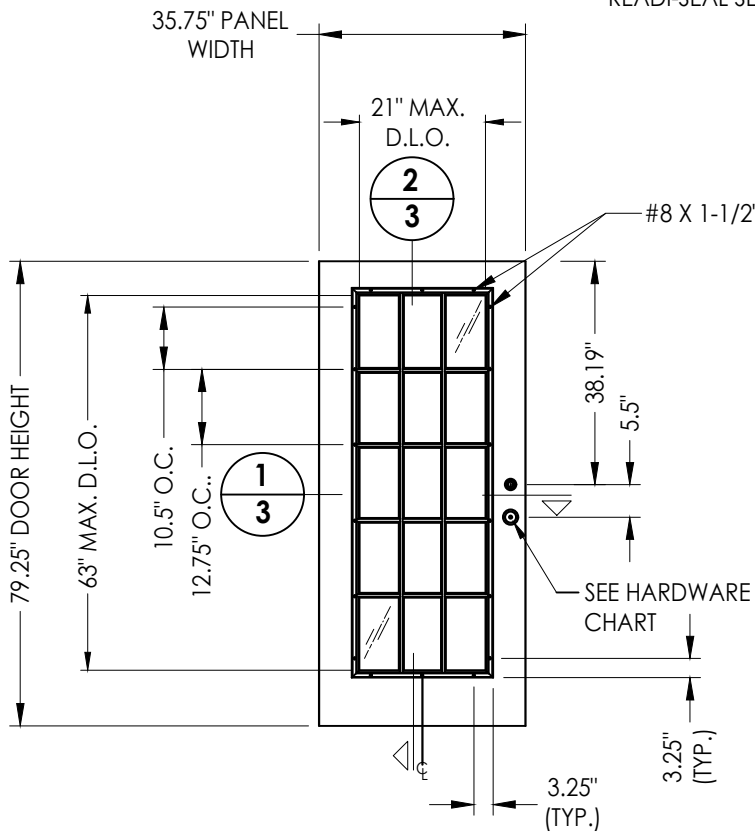
HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	KNOB:	FT3 SERIES
	DEADBOLT:	FD2 SERIES



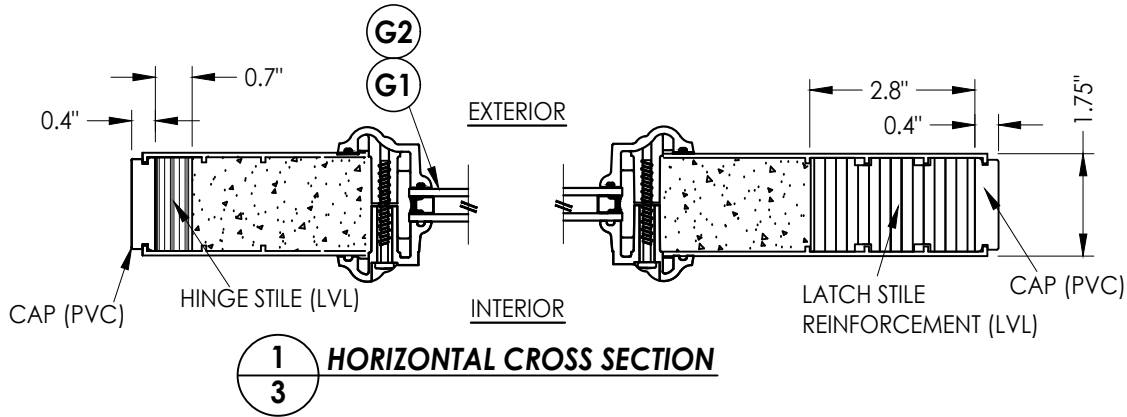
G2 **GLAZING DETAIL**
ODL HP Lite Frame



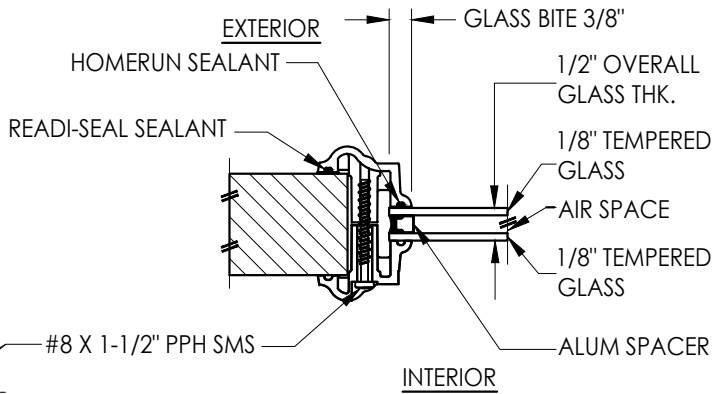
PLASTPRO FIBERGLASS DOOR PANEL
(Oval Glazed)



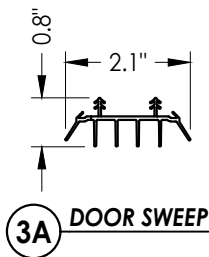
PLASTPRO FIBERGLASS DOOR PANEL
(Rectangular Glazed)



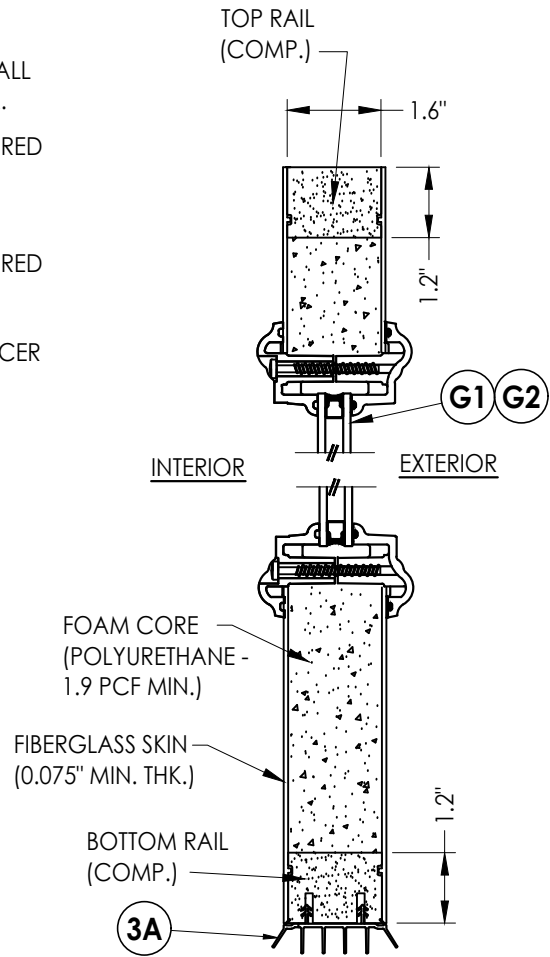
1
3 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**
ODL HP Lite Frame



3A **DOOR SWEEP**



2
3 **VERTICAL CROSS SECTION**

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: DUNBARTON
ACHEIVER STEEL FRAME
SYSTEM

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
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1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 03/14/12

SCALE: N.T.S.

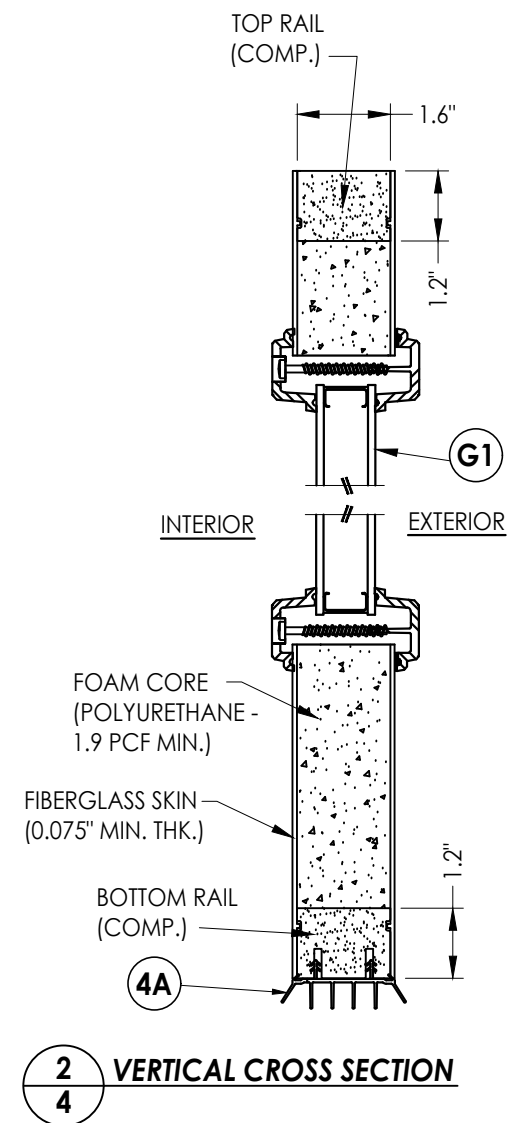
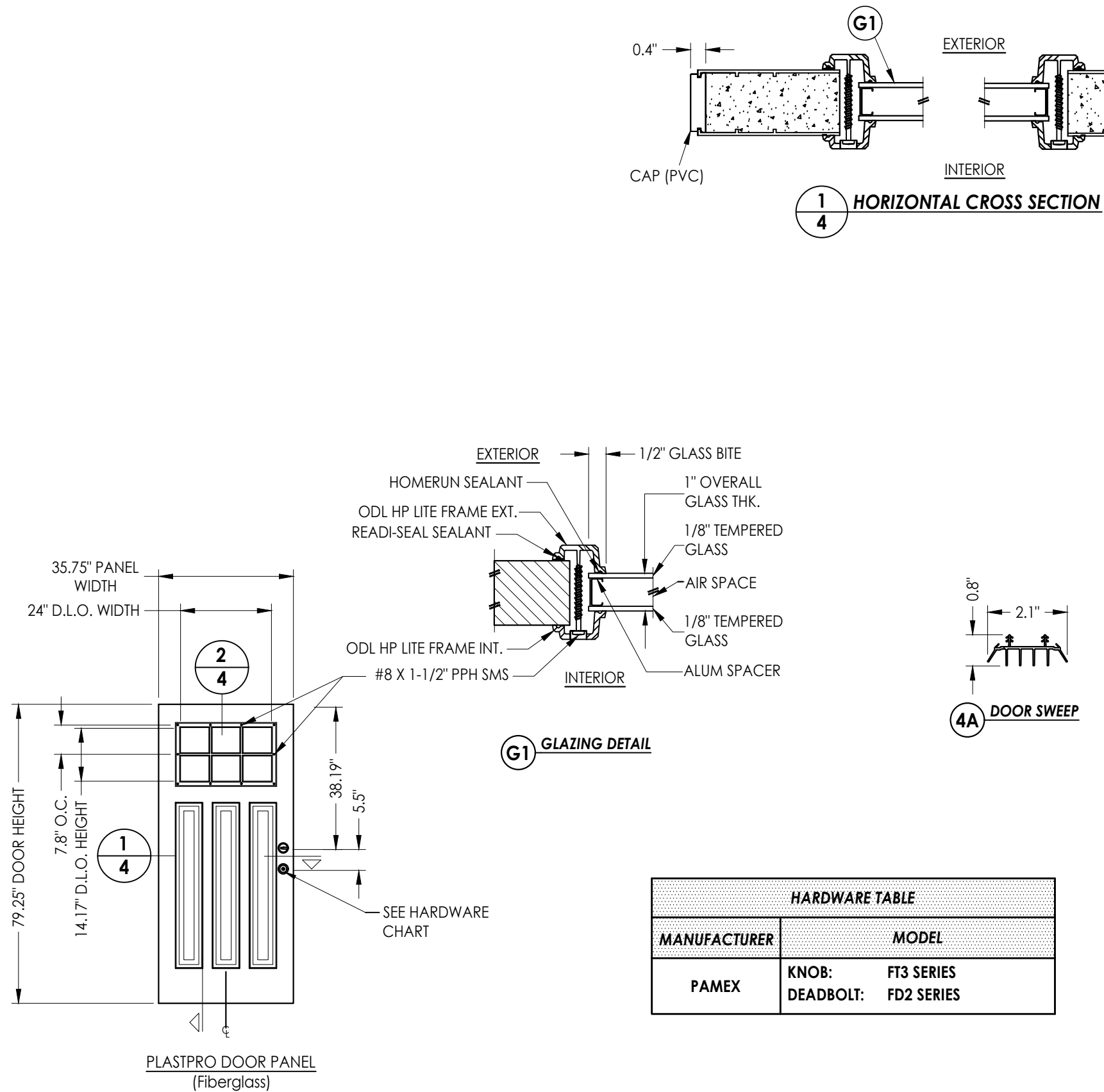
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15362.5

SHEET 3 OF 13

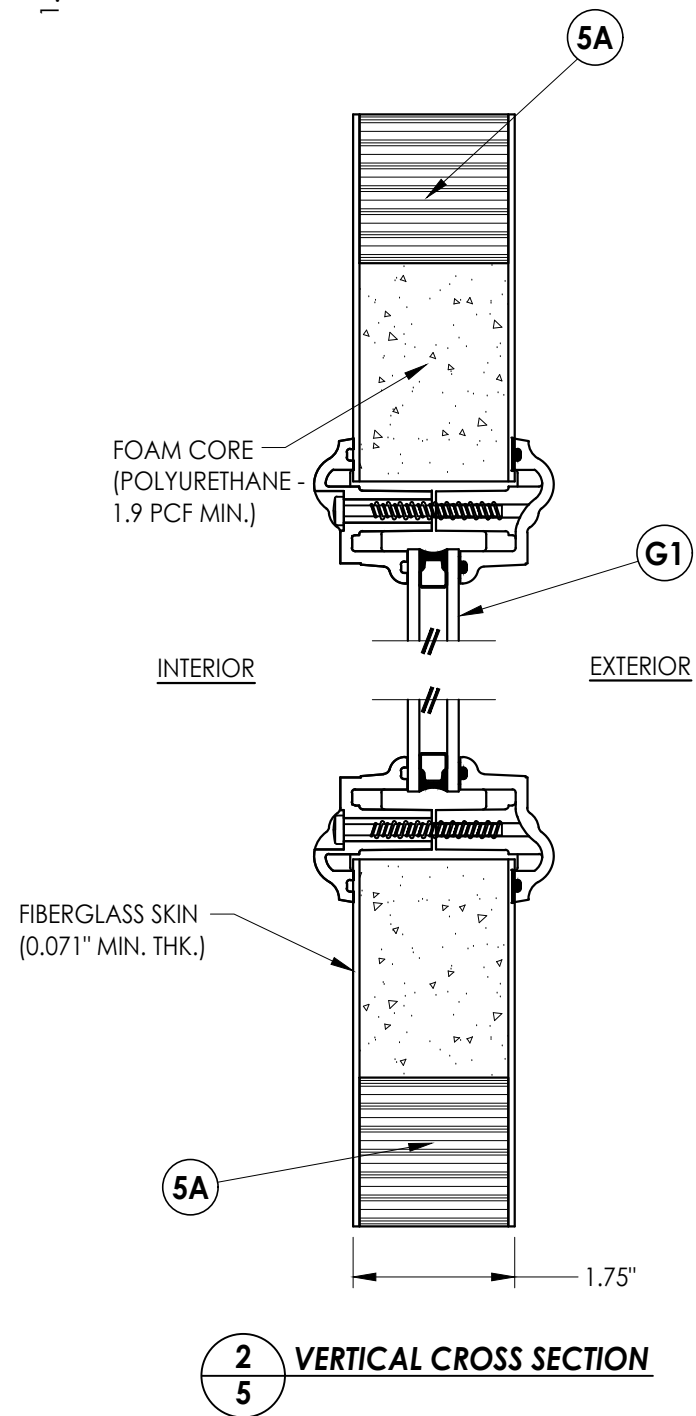
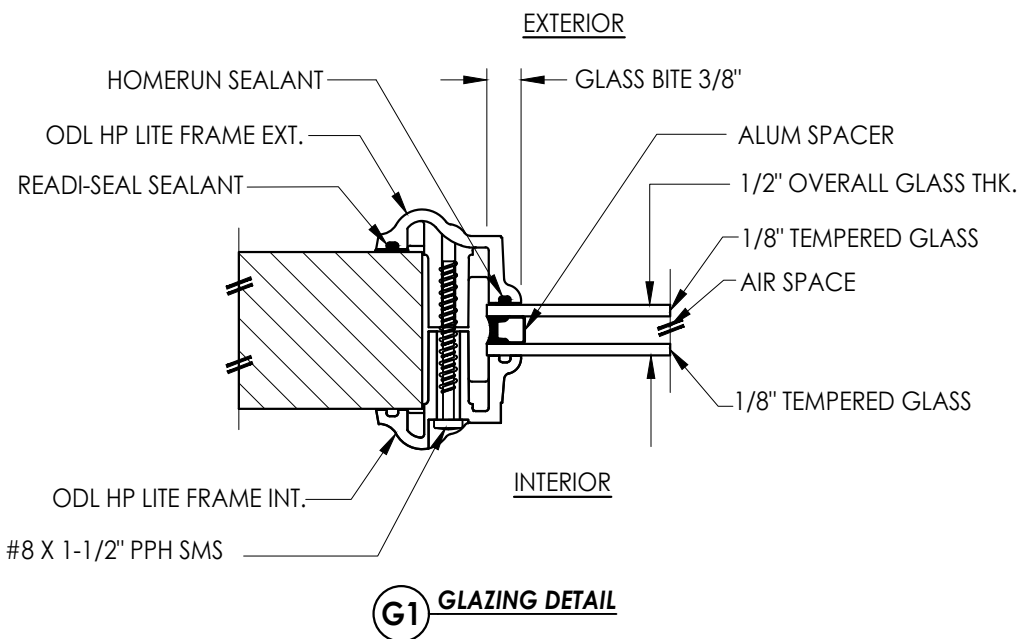


HARDWARE TABLE		
MANUFACTURER	MODEL	
PAMEX	KNOB: FT3 SERIES DEADBOLT: FD2 SERIES	

[illegible]

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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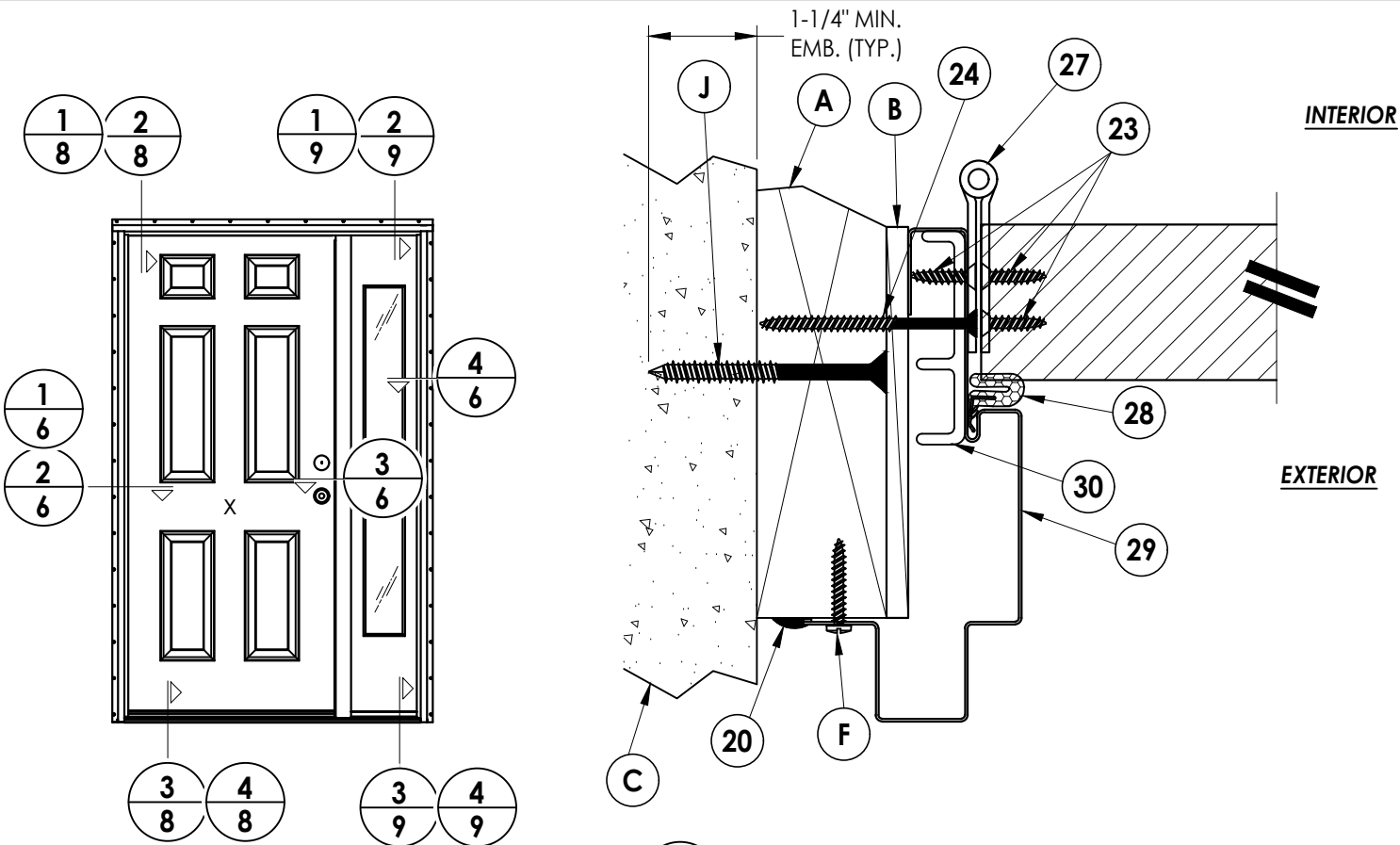
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

**DUNBARTON
ACHEIVER STEEL FRAME SYSTEM**

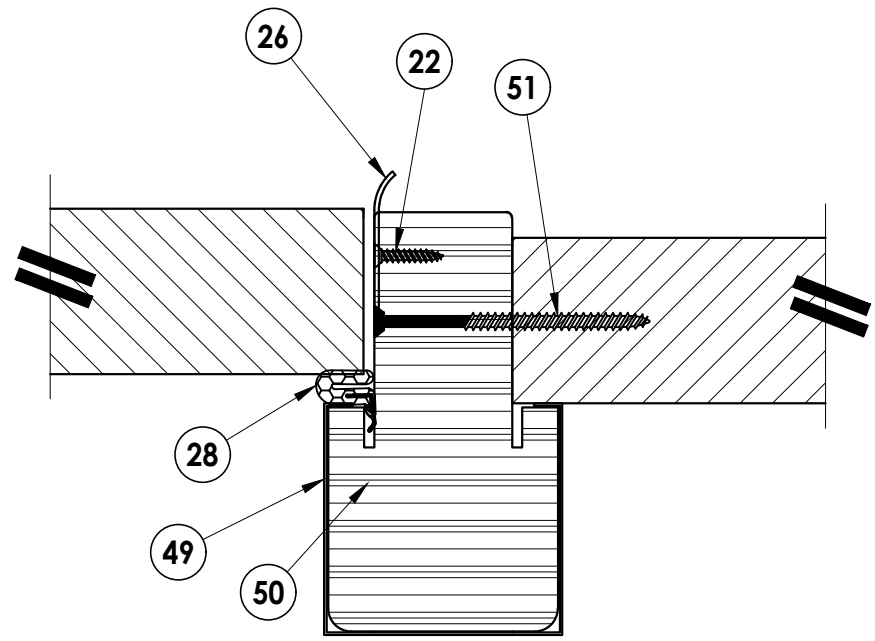
PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

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

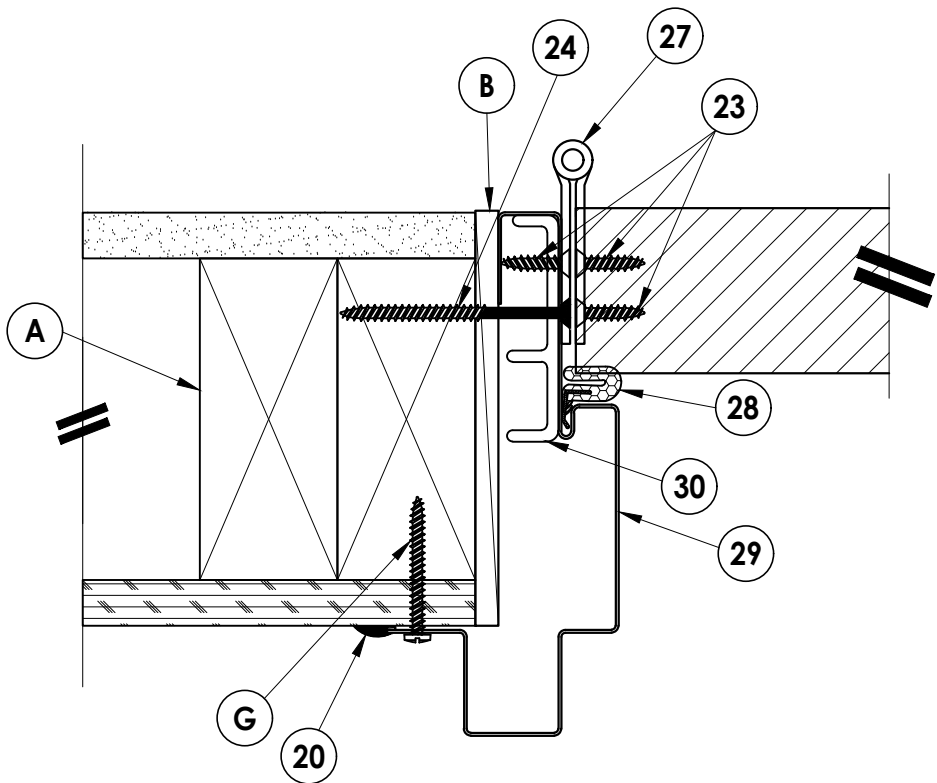
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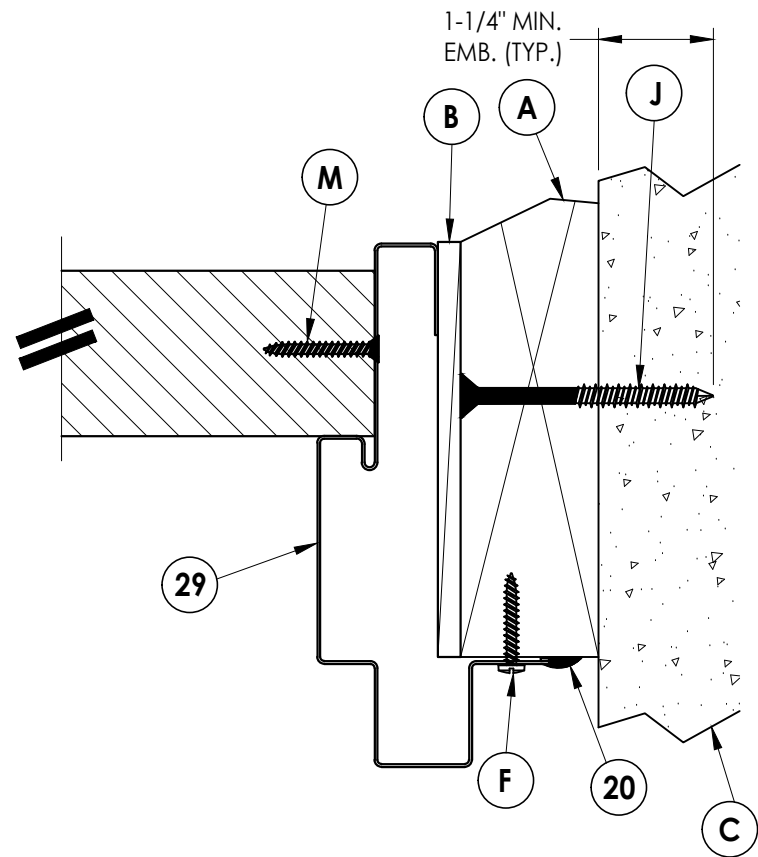
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6 **HORIZONTAL CROSS SECTION**
2X Masonry construction



3
6 **HORIZONTAL CROSS SECTION**



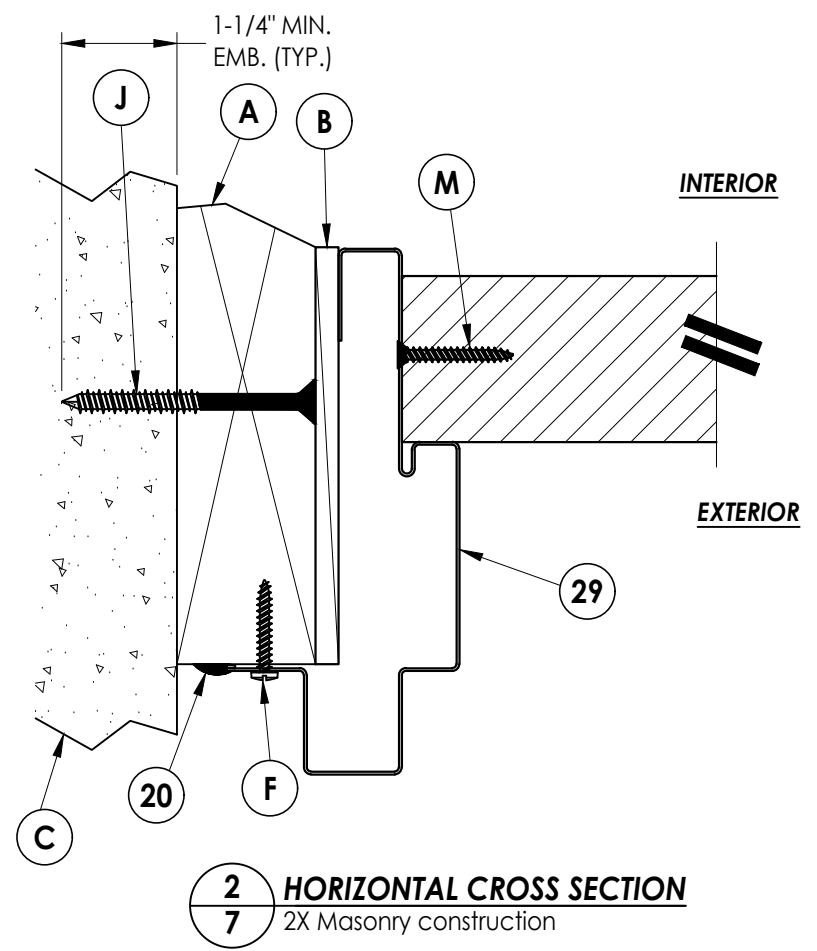
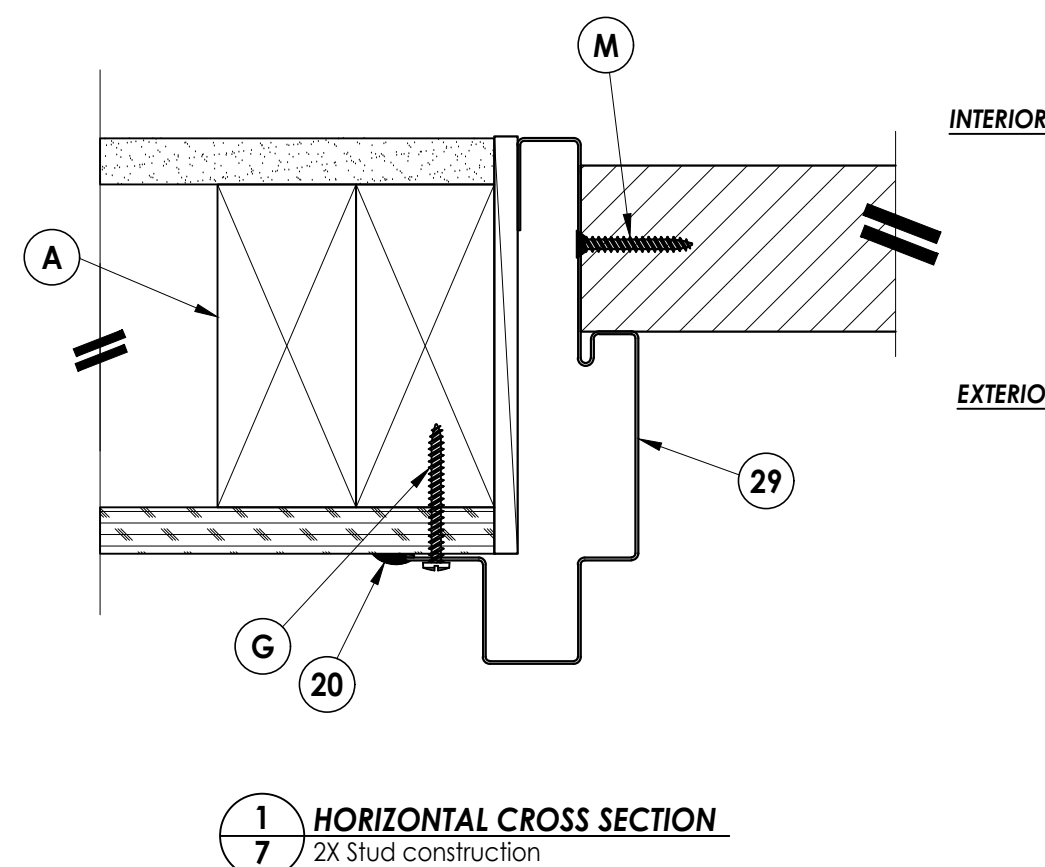
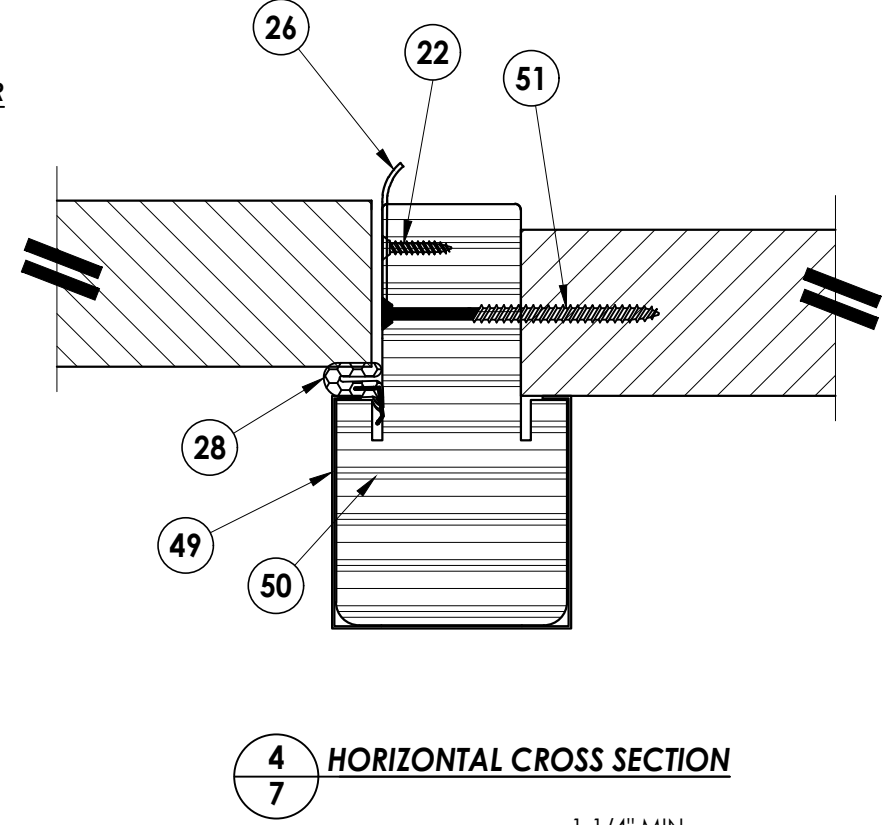
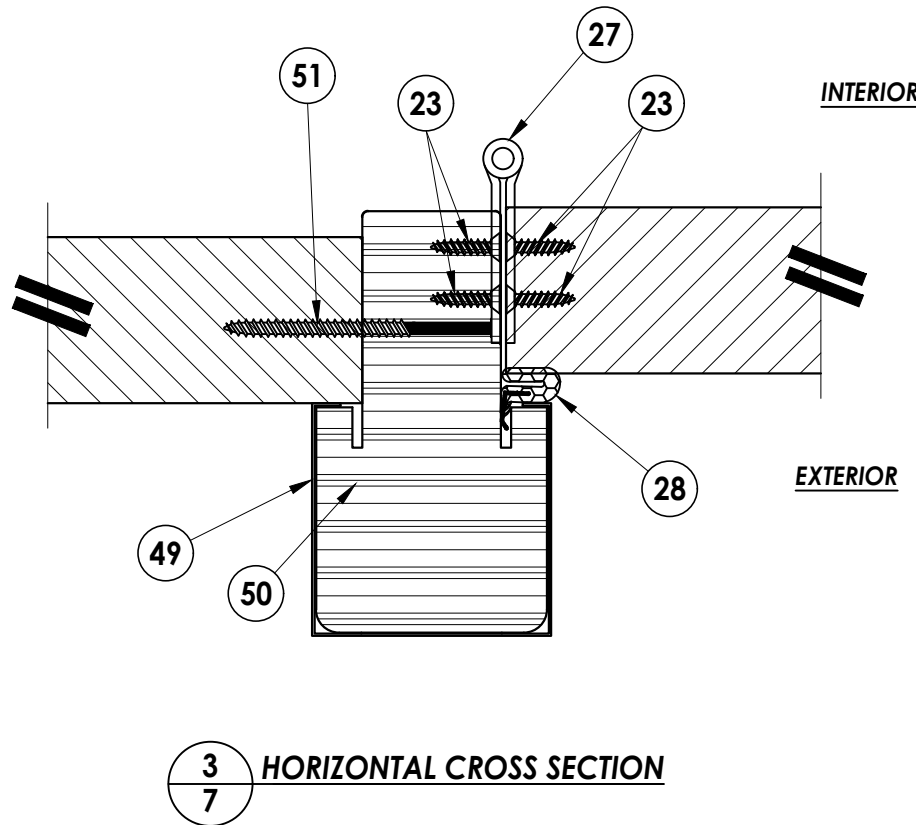
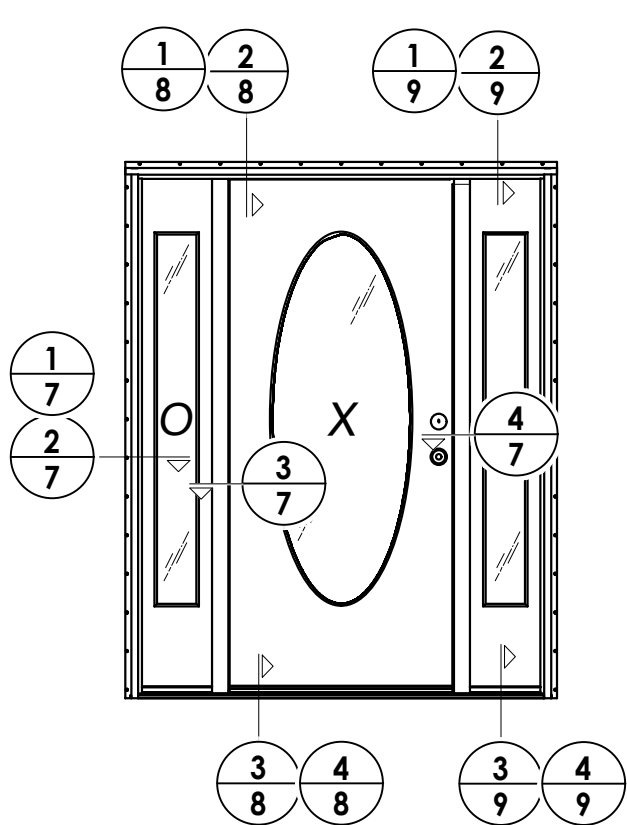
2
6 **HORIZONTAL CROSS SECTION**
2X Stud construction



4
6 **HORIZONTAL CROSS SECTION**
2X Masonry construction

PRODUCT: DUNBARTON										Documents Prepared By:									
ACHIEVER STEEL FRAME SYSTEM										Lyndon F. Schmidt									
										P.E. No. 43409									
PART OR ASSEMBLY:										RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813									
HORIZONTAL CROSS SECTIONS																			
						LFS													
4		7/06/23		UPDATE TO 8TH ED. (2023)		FBC													
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											
										REVISIONS									
DATE: 03/14/12																			
SCALE: N.T.S.																			
DWG. BY: JK																			
CHK. BY: LFS																			
DRAWING NO.: FL-15362.5																			
SHEET 6 OF 13																			

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PRODUCT: DUNBARTON
ACHIEVER STEEL FRAME SYSTEM

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: 03/14/12

SCALE: N.T.S.

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CHK. BY: LFS

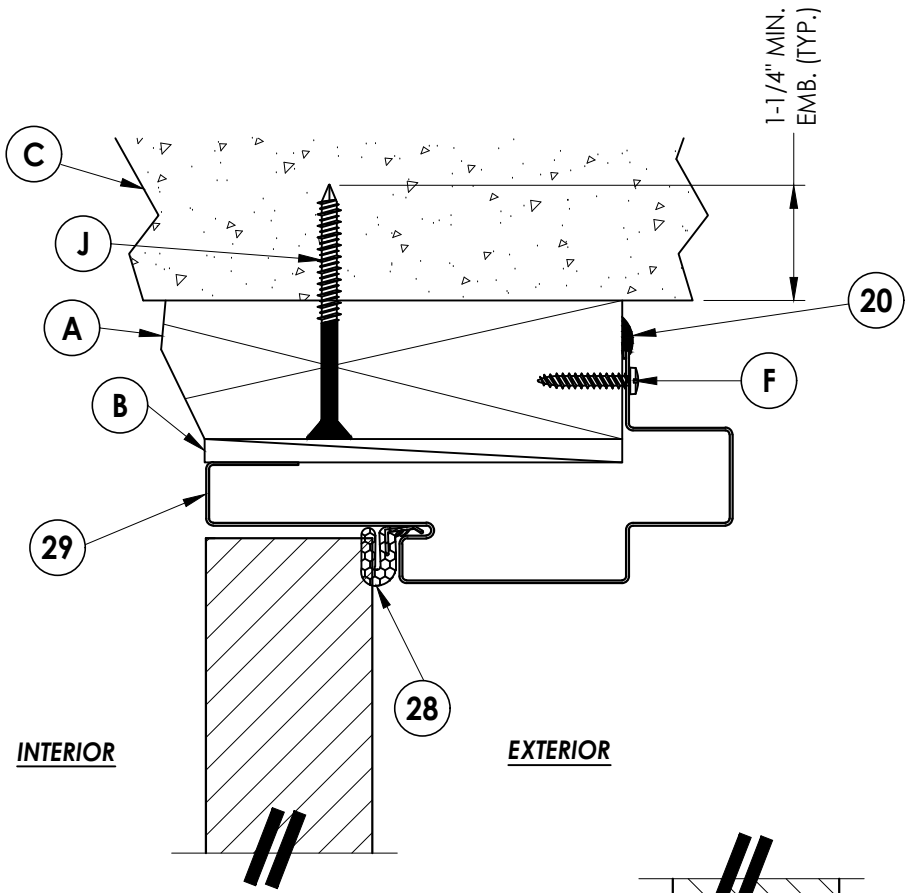
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SHEET 7 OF 13

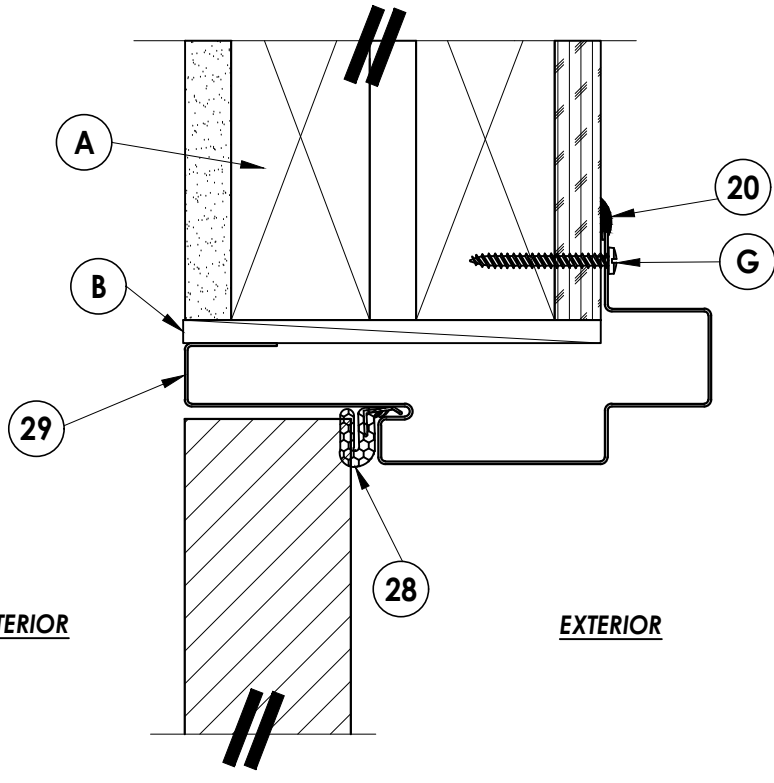
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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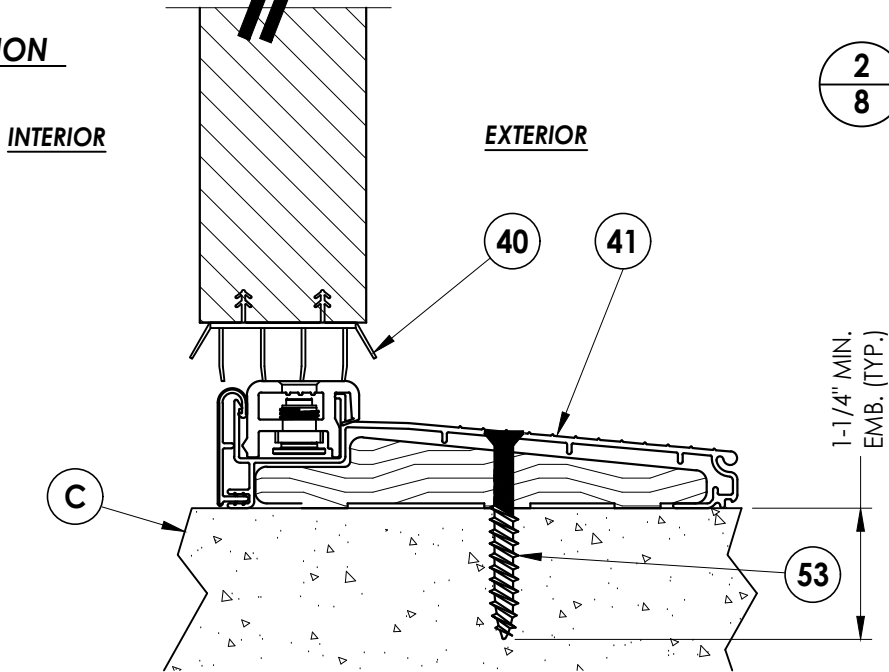
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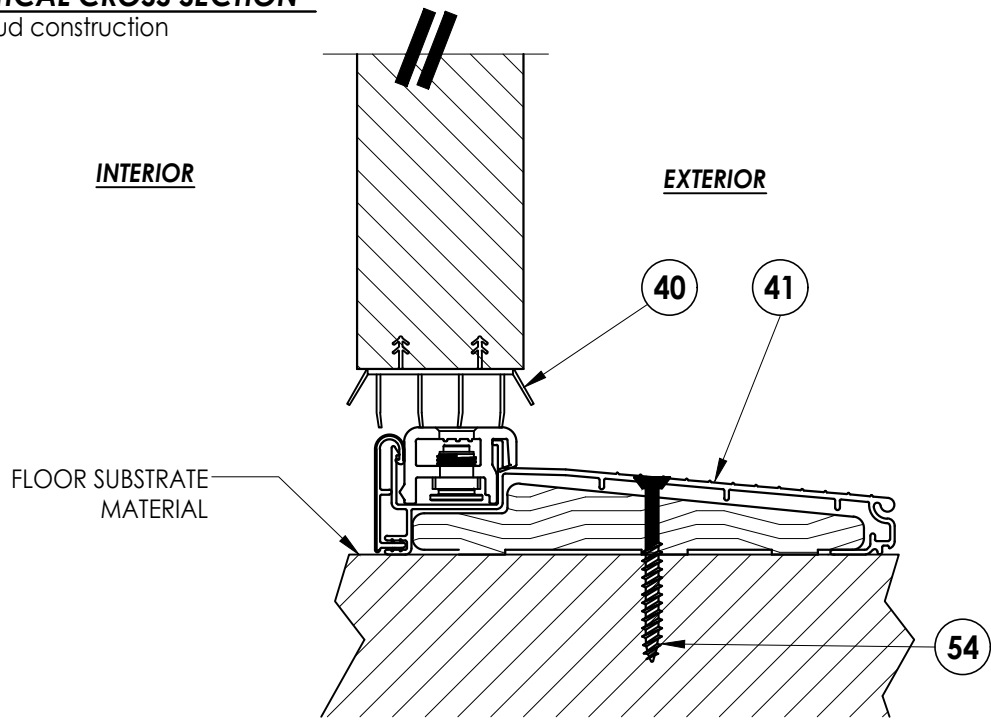
1
8 VERTICAL CROSS SECTION
2X Masonry construction



2
8 VERTICAL CROSS SECTION
2X Stud construction



3
8 VERTICAL CROSS SECTION



4
8 VERTICAL CROSS SECTION

PRODUCT: DUNBARTON
ACHIEVER STEEL FRAME SYSTEM

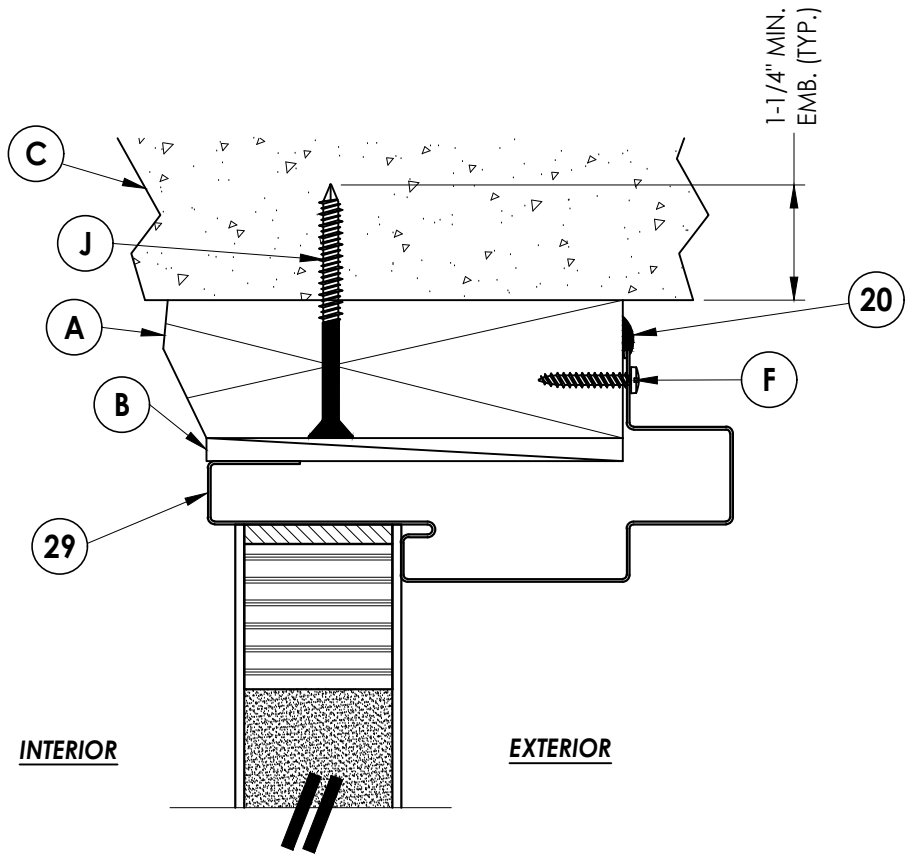
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3	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
2	9/29/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/23/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 03/14/12
SCALE: N.T.S.
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CHK. BY: LFS
DRAWING NO.: FL-15362.5
SHEET 8 OF 13

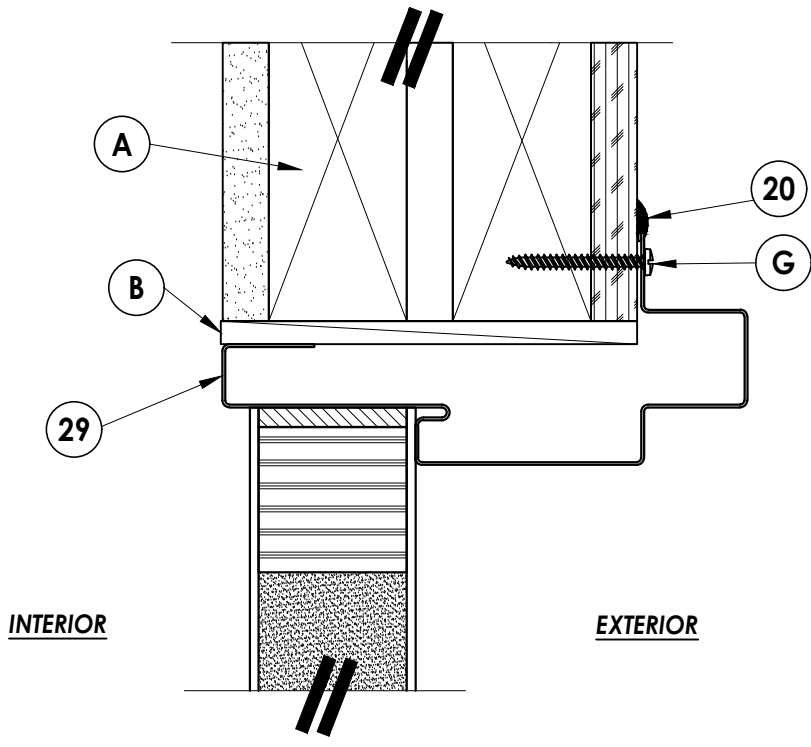
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

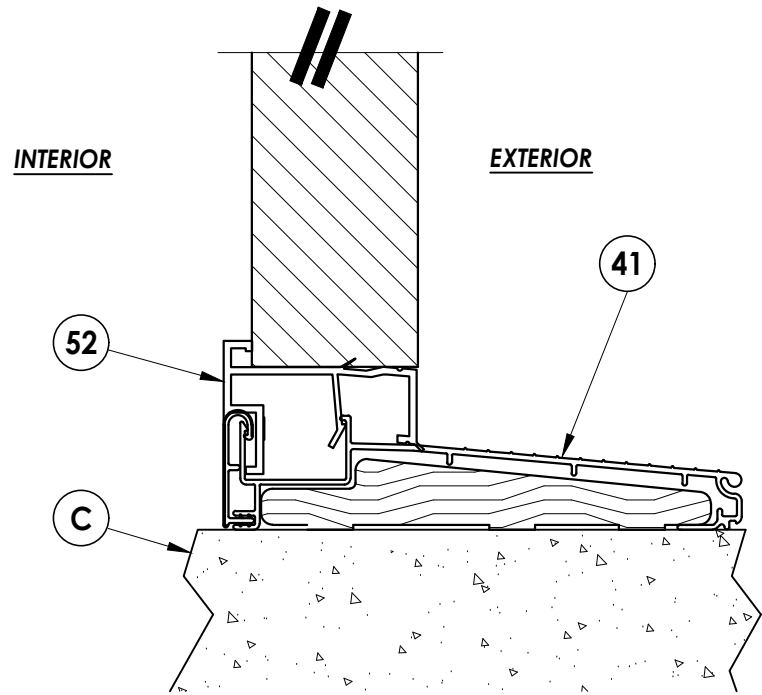
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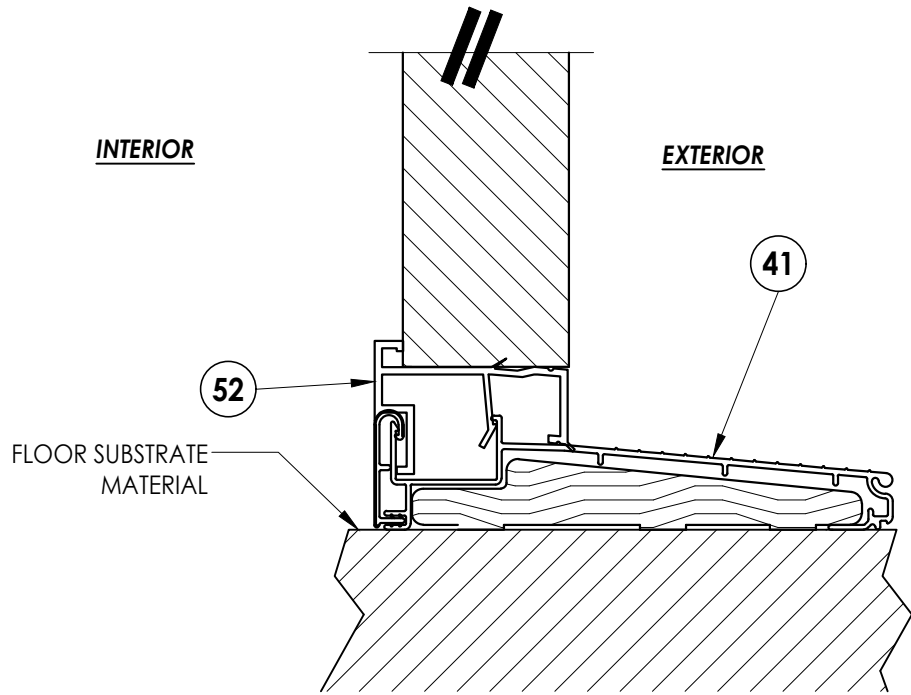
1
9 VERTICAL CROSS SECTION
2X Masonry construction



2
9 VERTICAL CROSS SECTION
2X Stud construction



3
9 VERTICAL CROSS SECTION



4
9 VERTICAL CROSS SECTION

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

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

PRODUCT: DUNBARTON
ACHIEVER STEEL FRAME SYSTEM

PART OR ASSEMBLY:
VERTICAL 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
		BY

DATE: 03/14/12

SCALE: N.T.S.

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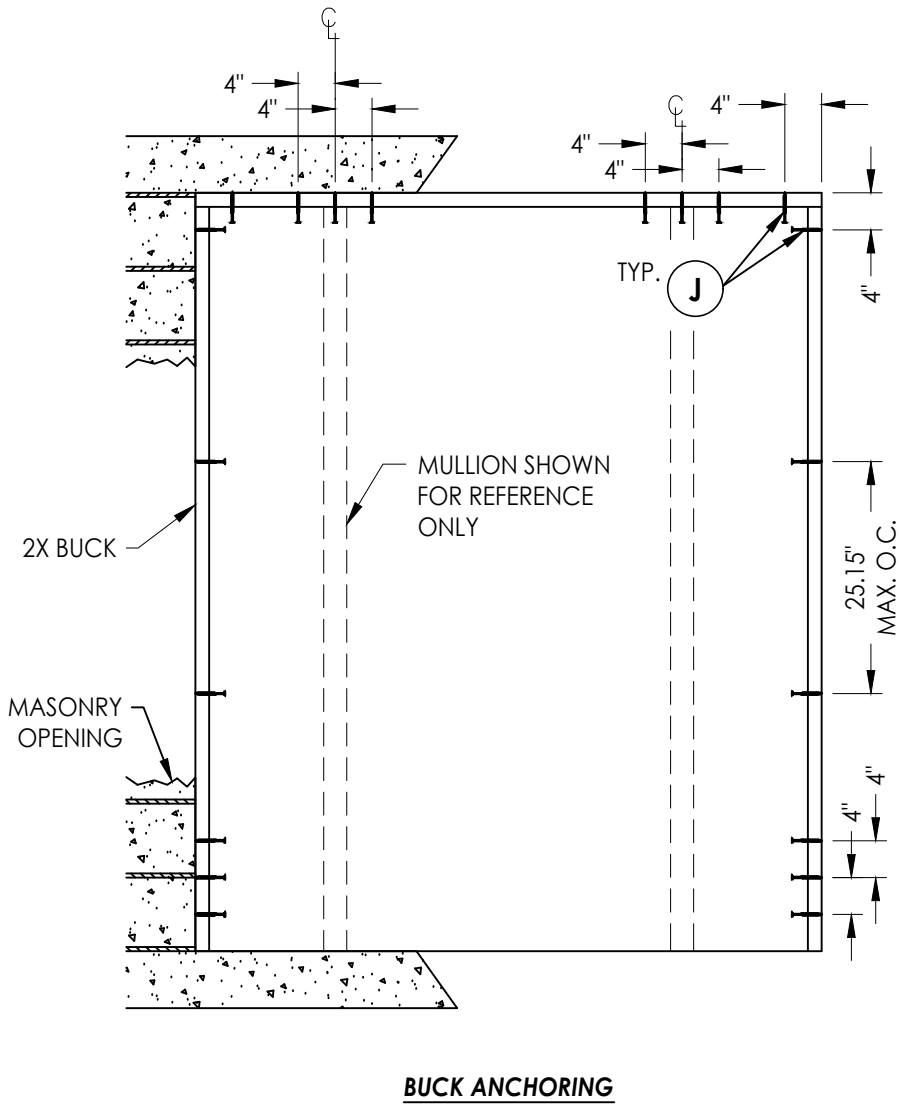
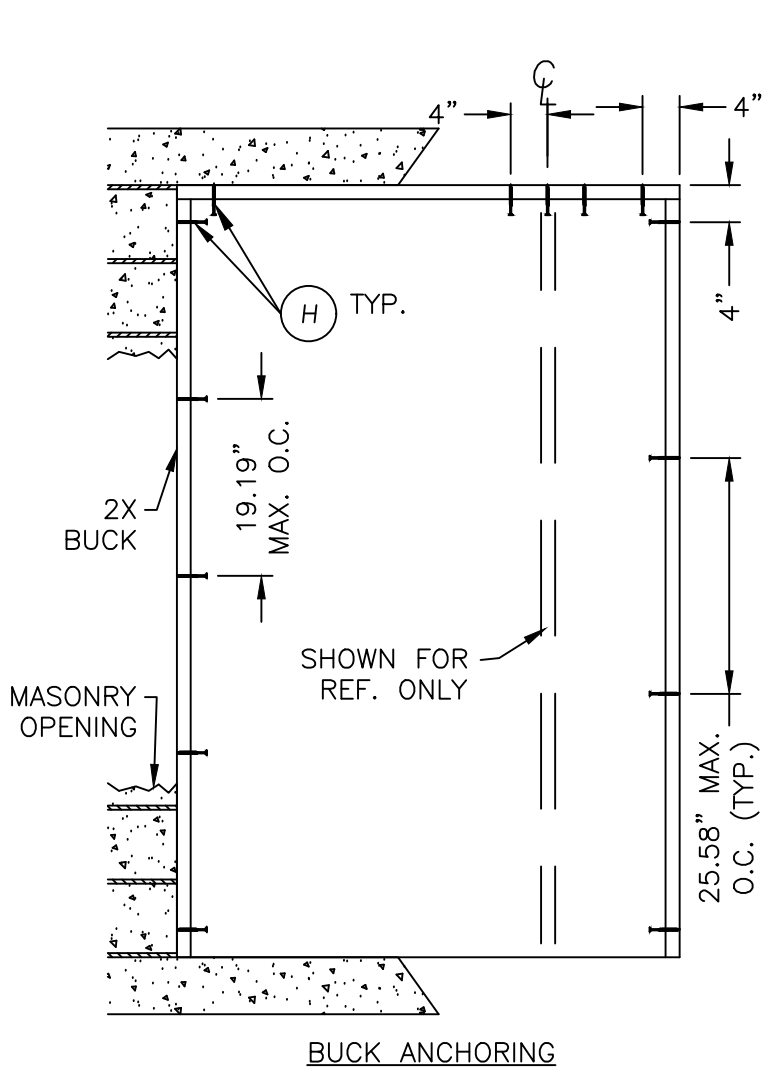
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DRAWING NO.:

FL-15362.5

SHEET 9 of 13

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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"

DATE: 03/14/12	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-15362.5	
SHEET 10 OF 13	

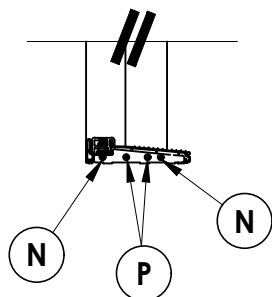
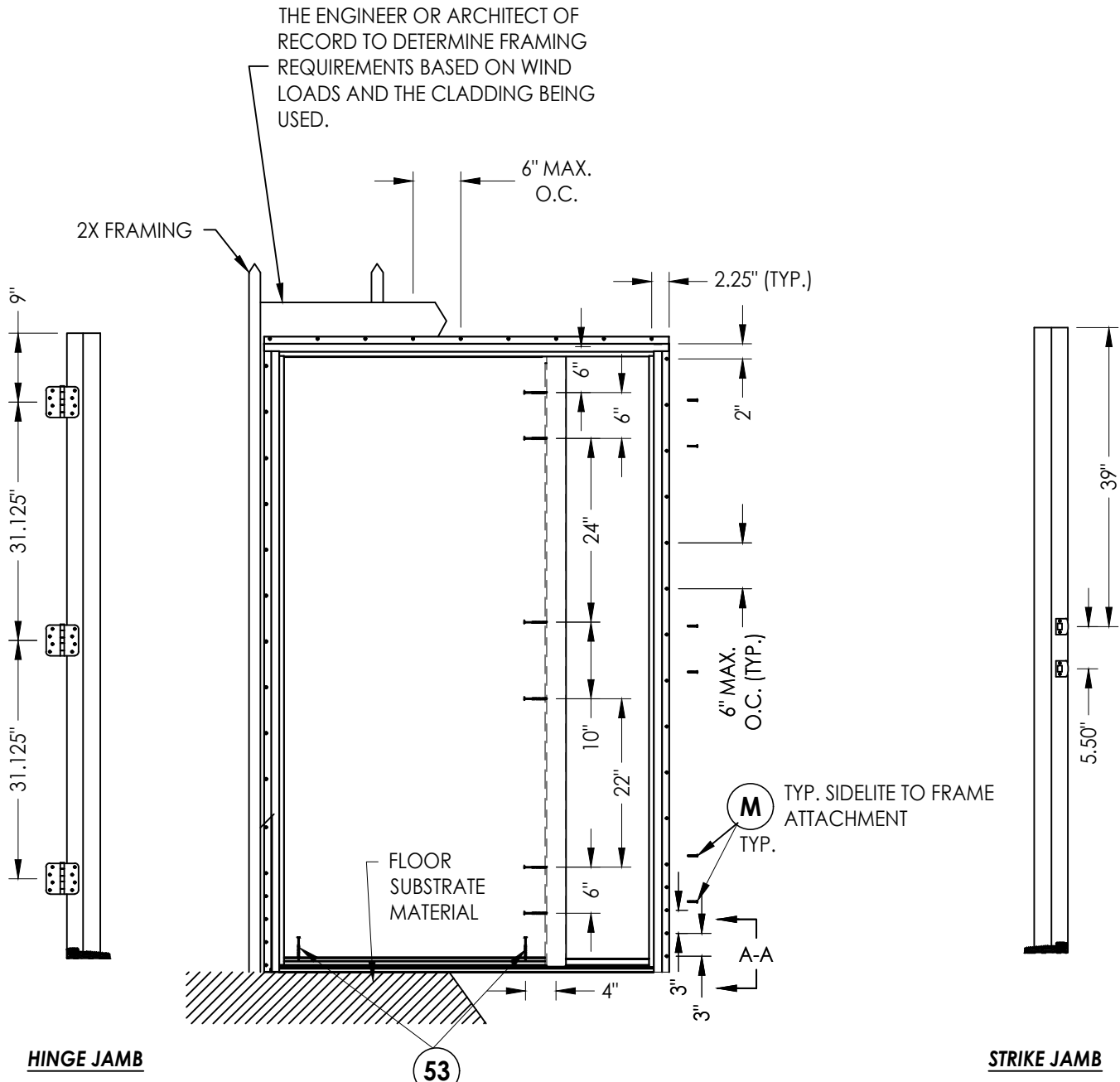
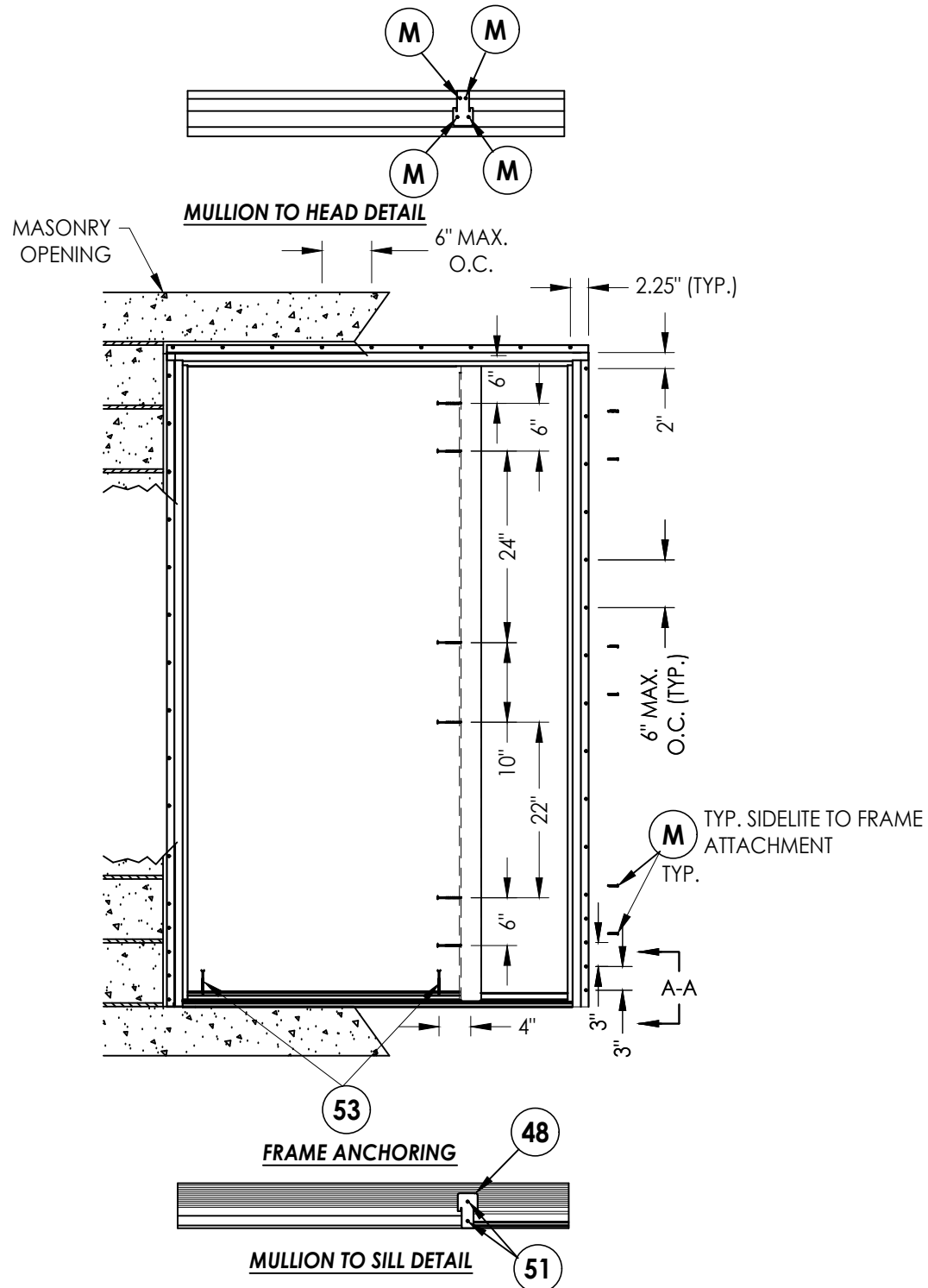
PRODUCT: DUNBARTON	
ACHIEVER STEEL FRAME SYSTEM	
PART OR ASSEMBLY:	
BUCK ANCHORING	

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

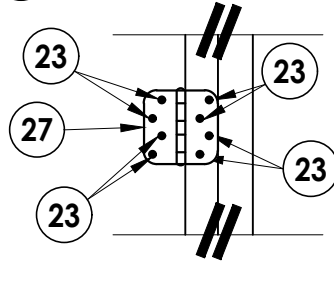
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FBPE Registry No. 9813

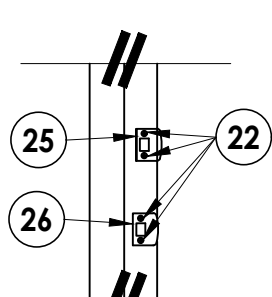
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HINGE JAMB



HINGE DETAIL



STRIKE DETAIL

CONCRETE ANCHOR NOTES:

1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
DeWALT ULTRACON®	5/16"	1-1/4"	3-1/8"	5"

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 STEEL FRAME SYSTEM

PART OR ASSEMBLY:
FRAME ANCHORING

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

NO.	DATE	REVISIONS
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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-15362.5

SHEET 11 OF 13



MULLION TO HEAD DETAIL

TYP. HEAD
& JAMBS

51
TYP.

TYP. SIDELITE TO FRAME
ATTACHMENT

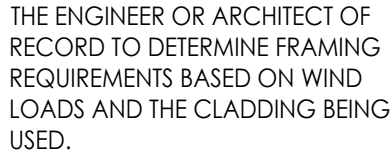
FRAME ANCHORING

MULLION TO SILL DETAIL

1. Substitution of equal concrete anchors from a different supplier may have different edge distance and center distance requirements.
2. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints. If 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" dimensions are not exceeded.
3. Concrete anchor table:

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.



TYP. HEAD
& JAMBS

51
TVP

M
TYP.

TYP. SIDELITE TO FRAME
ATTACHMENT

FRAME ANCHORING

STRIKE JAMB

HINGE JAMB

SECTION A-A

HINGE DETAIL

STRIKE DETAIL

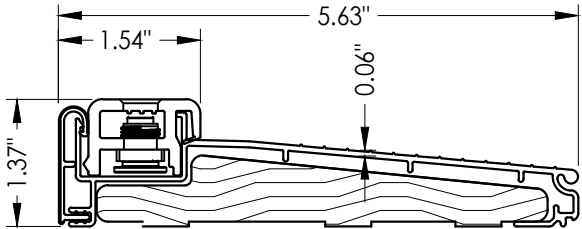
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

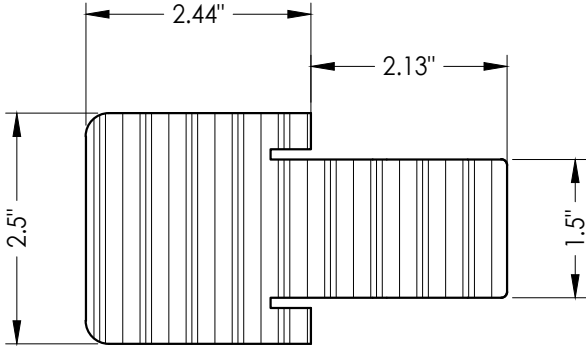
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G:\2023 FBC DRAWINGS\Dunbarton Corp\FL-15362 R4 Achiever\FL-15362.1-6.dwg

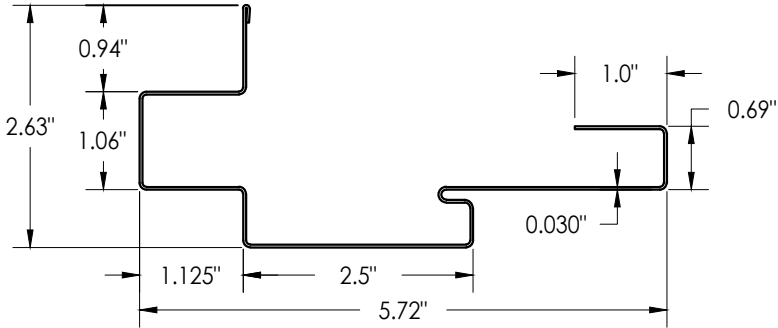
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	2X BUCK SG >= 0.55	WOOD
B	1/4" MAX. SHIM SPACE	-
C	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 1" PPH SCREW (7/8" MIN. EMBEDMENT)	STEEL
G	#8 X 1-1/2" PPH SCREW (7/8" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
M	#8 X 1-1/4" PPH SCREW	STEEL
N	#10 X 2-1/2" PPH WOOD SCREW	STEEL
P	#8 X 1-1/4" PPH SCREW	STEEL
20	SEALANT	SILICONE
22	#7 X 3/4" PFH SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
25	DEADBOLT STRIKE PLATE	STEEL
26	LATCH STRIKE PLATE	STEEL
27	HINGE	STEEL
28	WEATHERSTRIP	FOAM
29	FRAME	STEEL
41	INSWING THRESHOLD	ALUM./WOOD
48	MULLION PAD SPACER	PVC
49	MULLION CAP	STEEL
50	MULLION	LVL
51	#10 X 3" PFH WS	STEEL
52	INSWING SIDELITE SPACER	PVC
53	5/16" X 2-1/4" DeWALT CONCRETE SCREW	STEEL
54	#12 X 2" PFH WOOD SCREW	STEEL



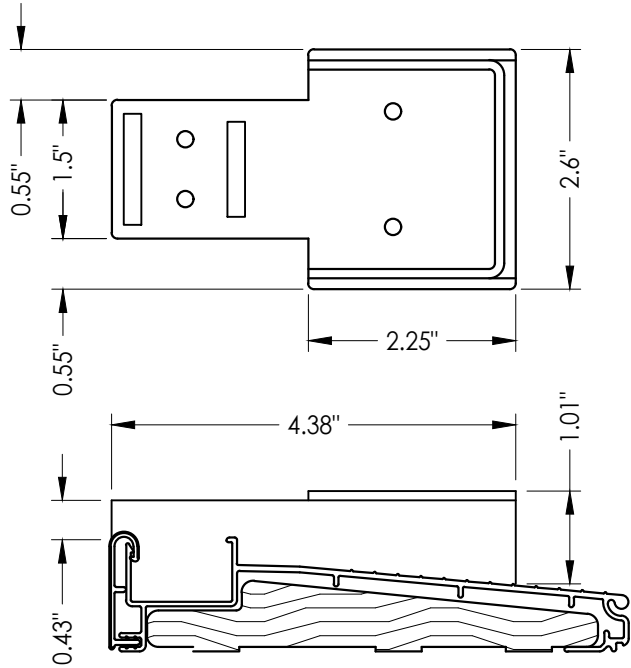
41 INSWING THRESHOLD



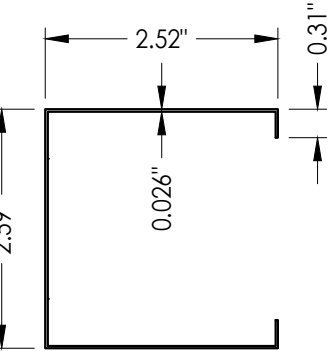
50 MULLION



29 FRAME



48 MULLION PAD SPACER



49 MULLION CAP

NO.	DATE	REVISIONS			
		DATE	BY	CHK.	APP.
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-15362.5

SHEET 13 OF 13

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

PRODUCT: DUNBARTON
ACHIEVER STEEL FRAME SYSTEM

PART OR ASSEMBLY:
BILL OF MATERIALS
AND COMPONENTS

RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813