



Series 3800-T w/ Series 350-T
Aluminum Casement Window
w/ Thermal Break Frame
"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 Florida Building Code 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.

This product meets water infiltration requirements for "HVHZ".
8.

Gaskets and setting blocks shall comply with Section 2411.3.4 of the FBC.
9.

Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

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11	Glazing detail
12	Bill of materials and components

LF Schmidt

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

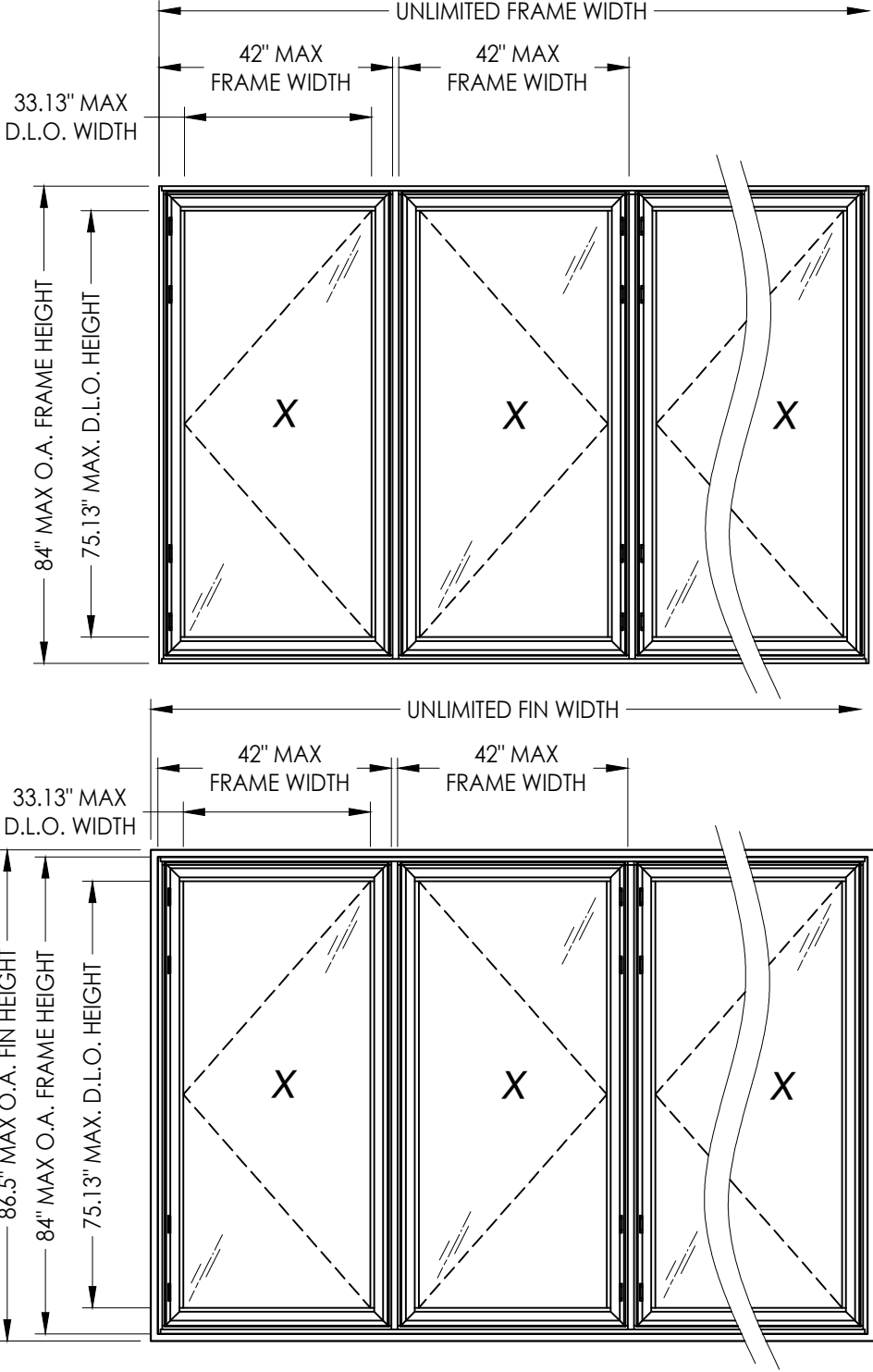
Digitally signed by Lyndon F Schmidt

Date: 2023.07.12 09:55:38 -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



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
UNLIMITED X 67.5"	UNLIMITED X 65"	33.63" X 56.63"	G1, G2, G3, G4, G5	+65.0	-65.0
UNLIMITED X 86.5"	UNLIMITED X 84"	33.13" X 75.13"	G1, G2, G3, G4, G5	+65.0	-65.0

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

PRODUCT:

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

NO.	DATE	DESCRIPTION
1	1/22/15	UPDATE TO 5TH ED. (2014) FBC
2	8/22/16	RENUMBER DRAWINGS
3	8/07/17	UPDATE TO 6TH ED. (2017) FBC
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC
5	12/7/21	SERIES NAME CHANGE
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14904.6

SHEET 1 OF 12

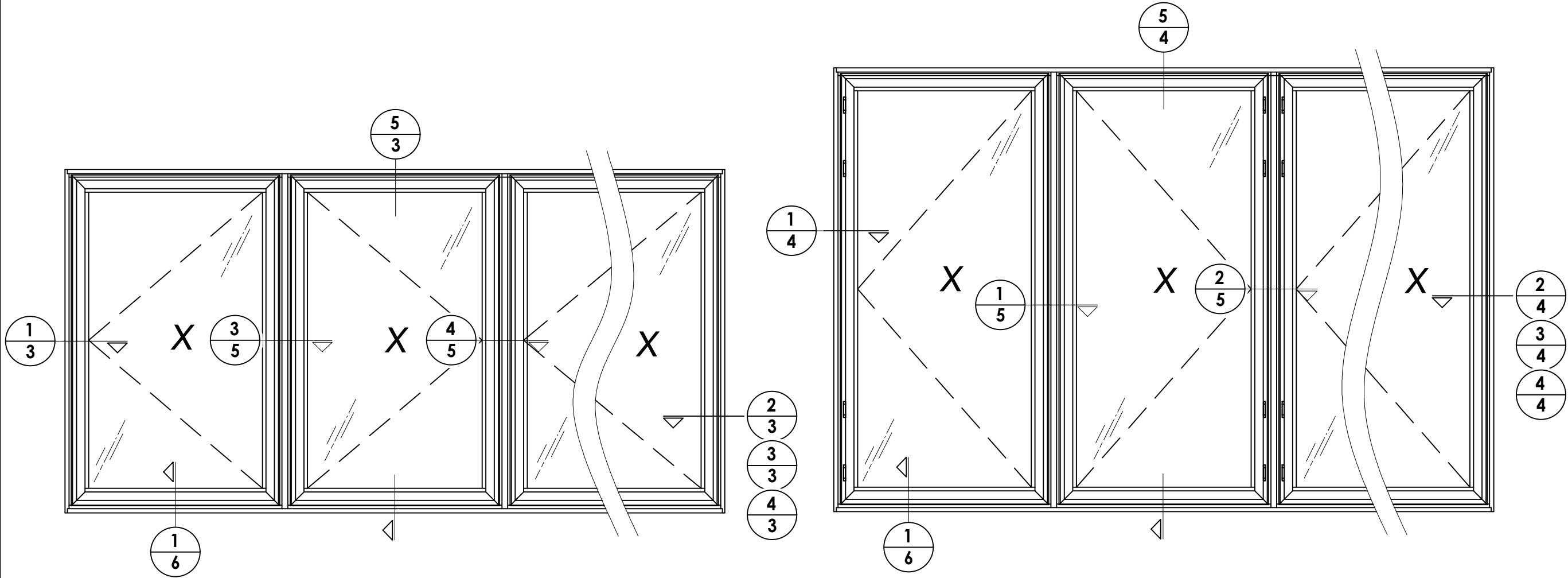
BUILDING CONSULTANTS, INC.

P.O. Box 230, Vairico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

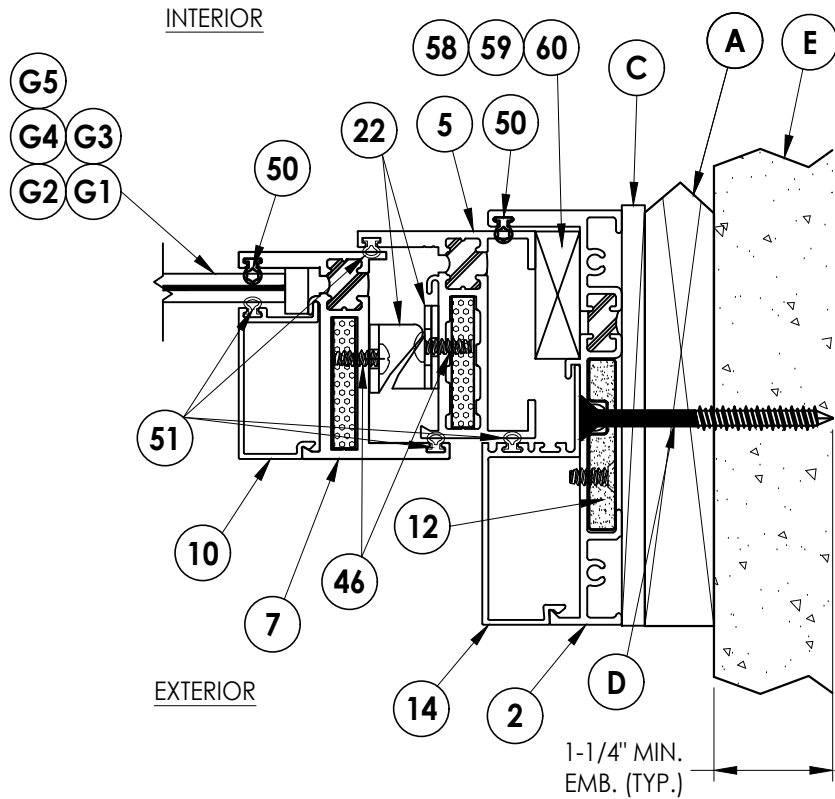
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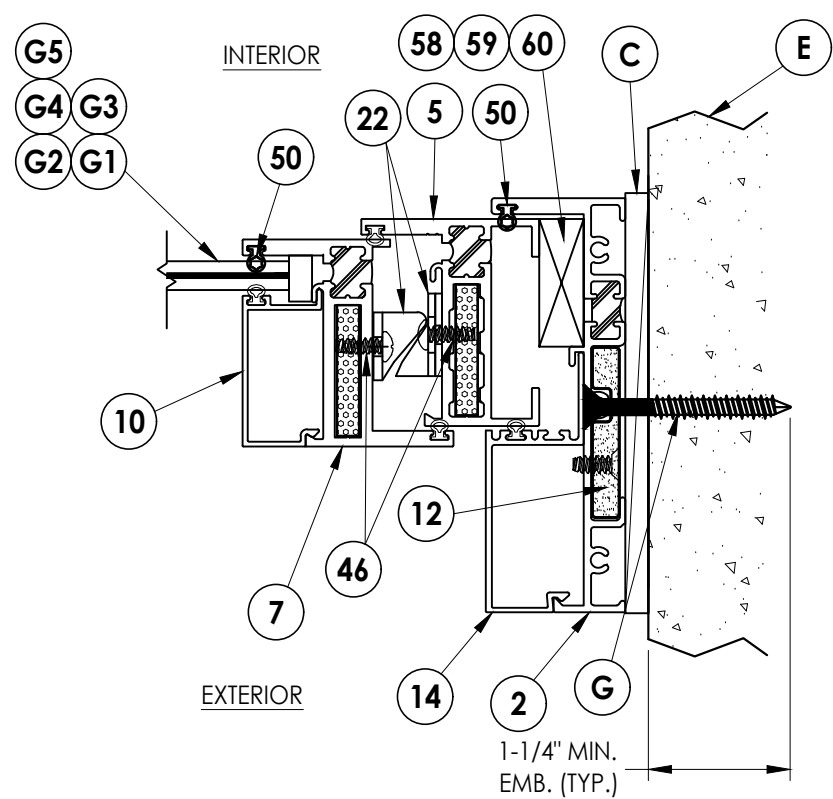
HARDWARE TABLE			
HINGE			
Qty.	Description	Height	Snubbers
5	Butt hinge	≤ 84"	Not Req'd
4	Butt hinge	≤ 84"	Yes (2)
2	Butt hinge	≤ 50"	Yes (2)
2	4 Bar hinge	≤ 65"	Yes (3)
HANDLES			
Points	Description	Height	*Cam locks can be used in conjunction with multipoint lock or in lieu of multipoint locks
4	Multipoint	> 72"	
3	Multipoint	≤ 72"	
Qty.			
3	Cam*	≤ 65"	
1	Cam*	≤ 50"	

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: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: ELEVATIONS	
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC
5	12/7/21	SERIES NAME CHANGE	LFS
4	8/06/20	UPDATE TO 7th ED. (2020)	FBC
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC
2	8/22/16	RENUMBER DRAWINGS	LFS
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE		BY
REVISIONS			
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.6			
SHEET 2 OF 12			

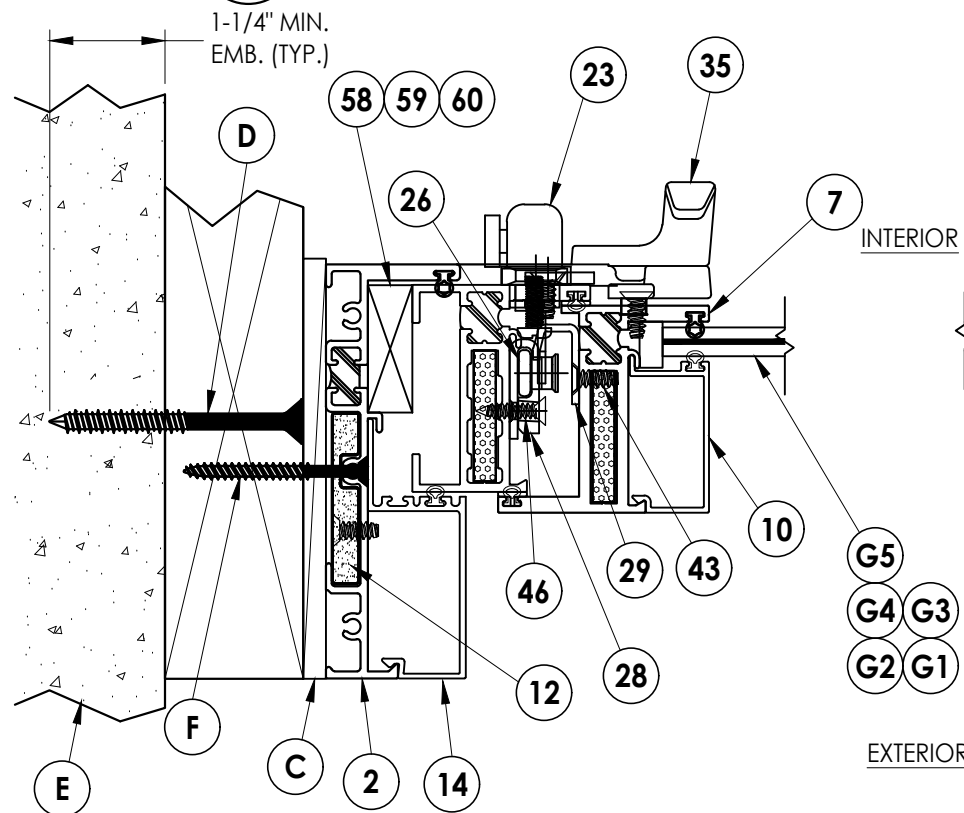
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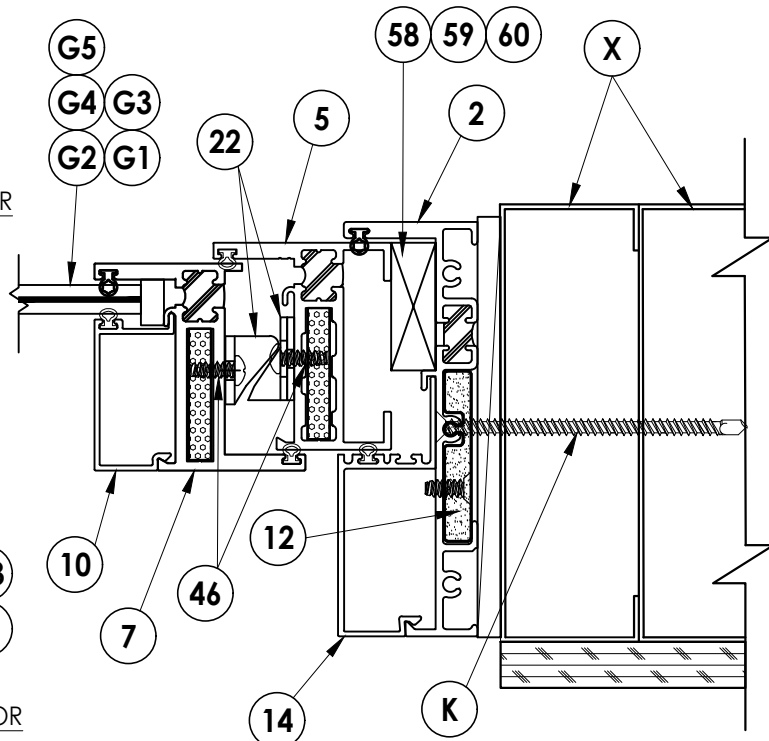
3 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Sub buck option



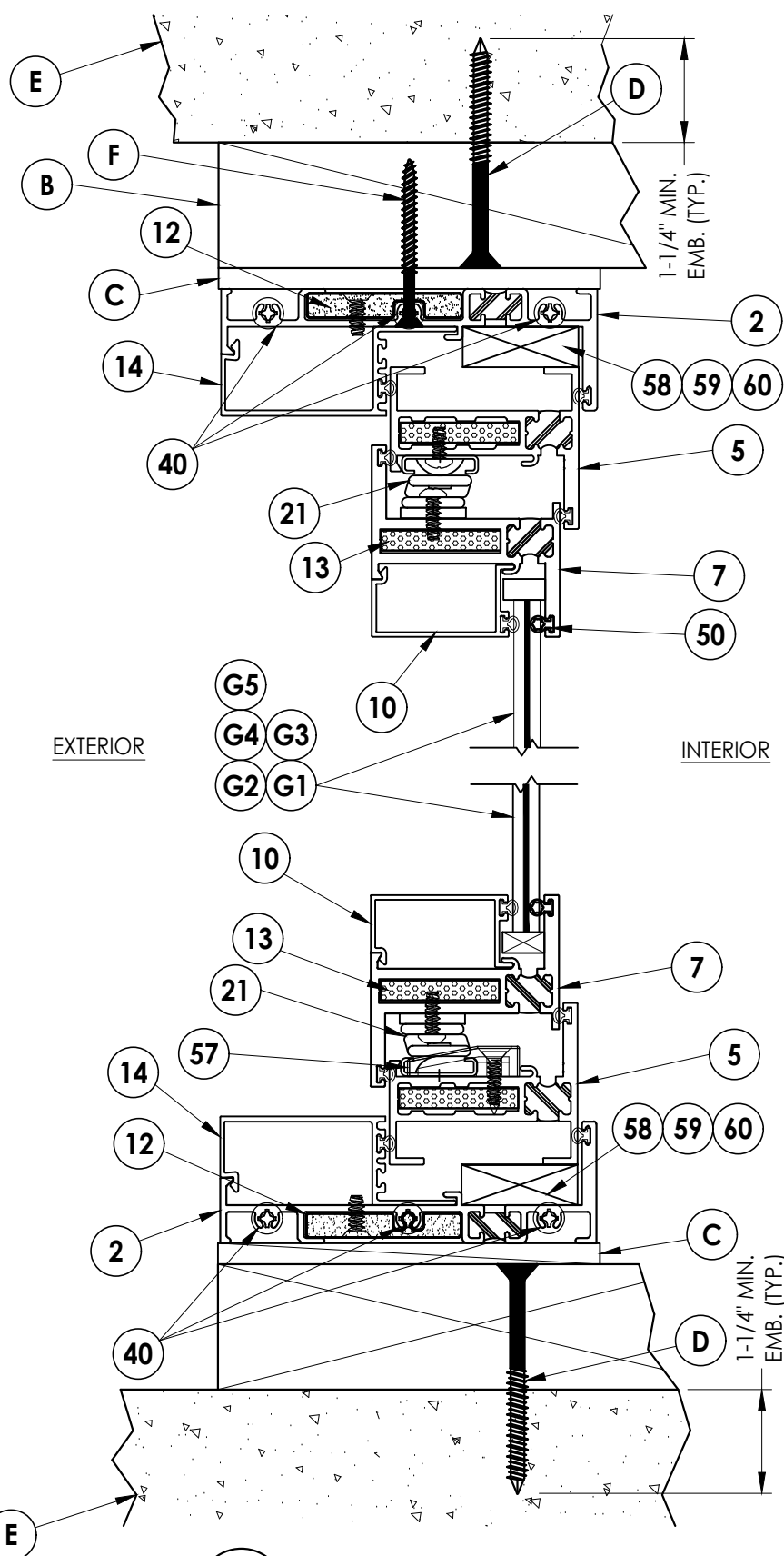
4 HORIZONTAL CROSS SECTION
3 Shown w/ Direct to Masonry option



1 HORIZONTAL CROSS SECTION
3 Show W/ 2X Buck and Steel Stud options



2 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Sub buck option



5 VERTICAL CROSS SECTION
3 Shown w/ 2X Buck Construction

NOTE:

1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.

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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL AND VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	LFS	FBC	DATE
6	7/12/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
5	12/7/21	SERIES NAME CHANGE			LFS
4	8/06/20	UPDATE TO 7th ED.	(2020)	FBC	DAC
3	8/07/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS
2	8/22/16	RENUMBER DRAWINGS			LFS
1	1/22/15	UPDATE TO 5TH ED.	(2014)	FBC	LFS

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

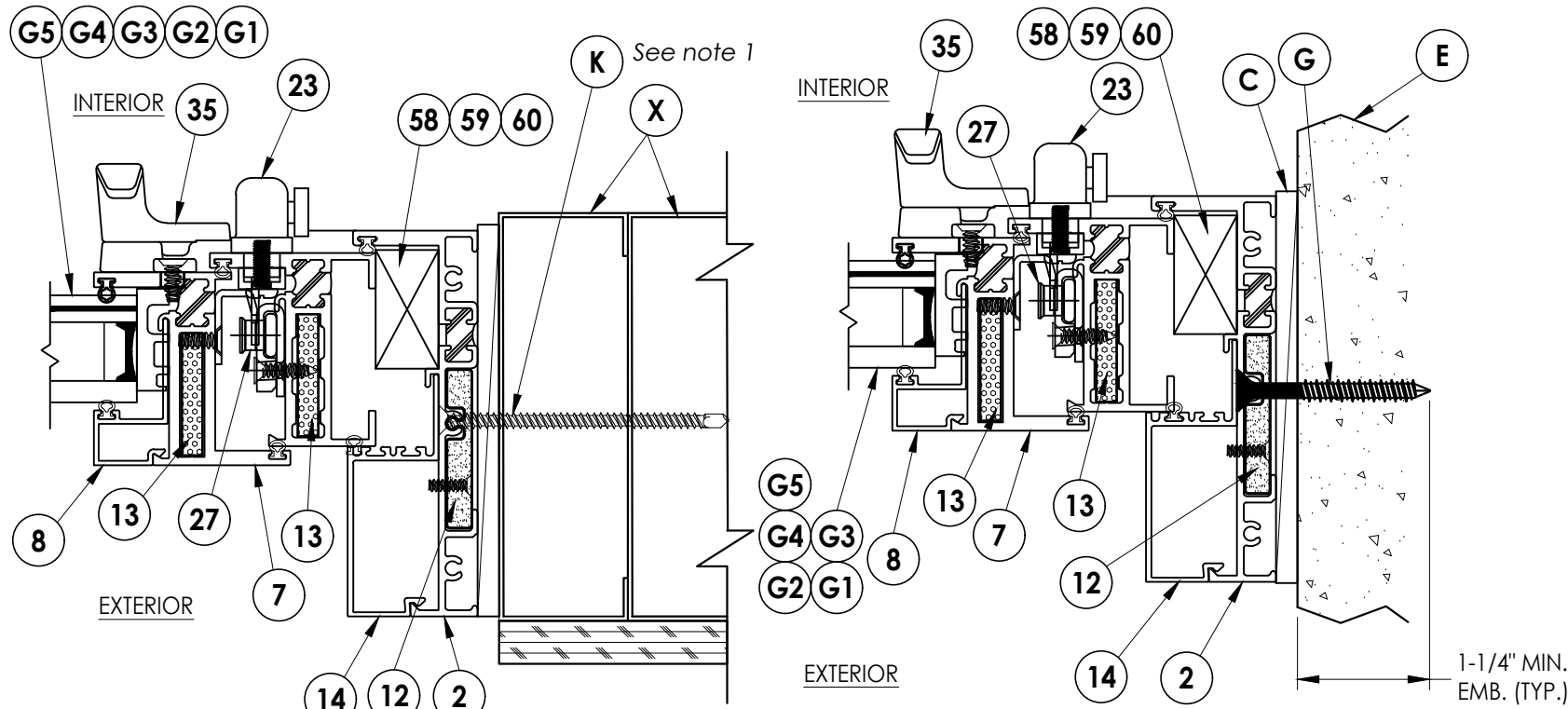
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FL-14904.6

SHEET 3 OF 12

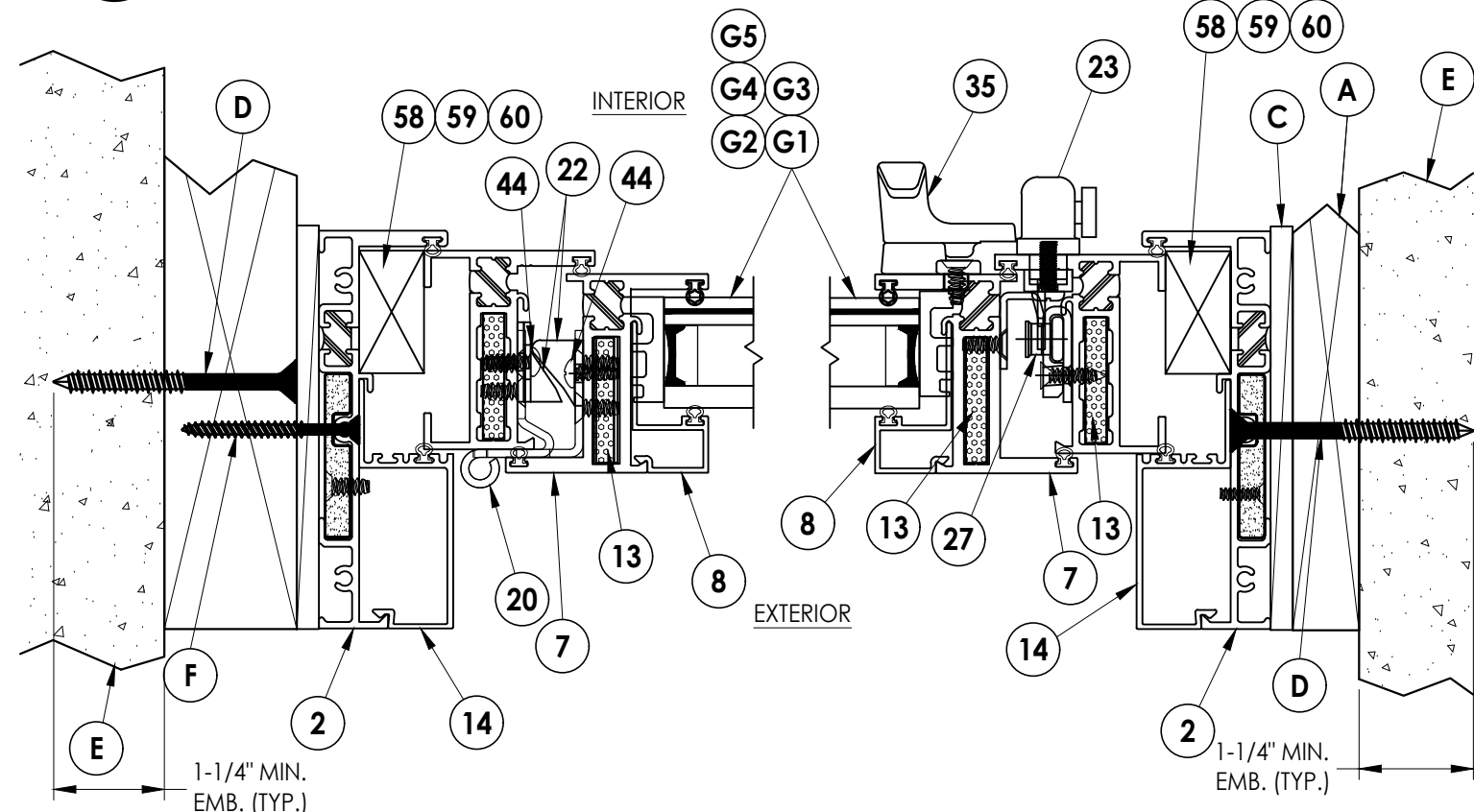
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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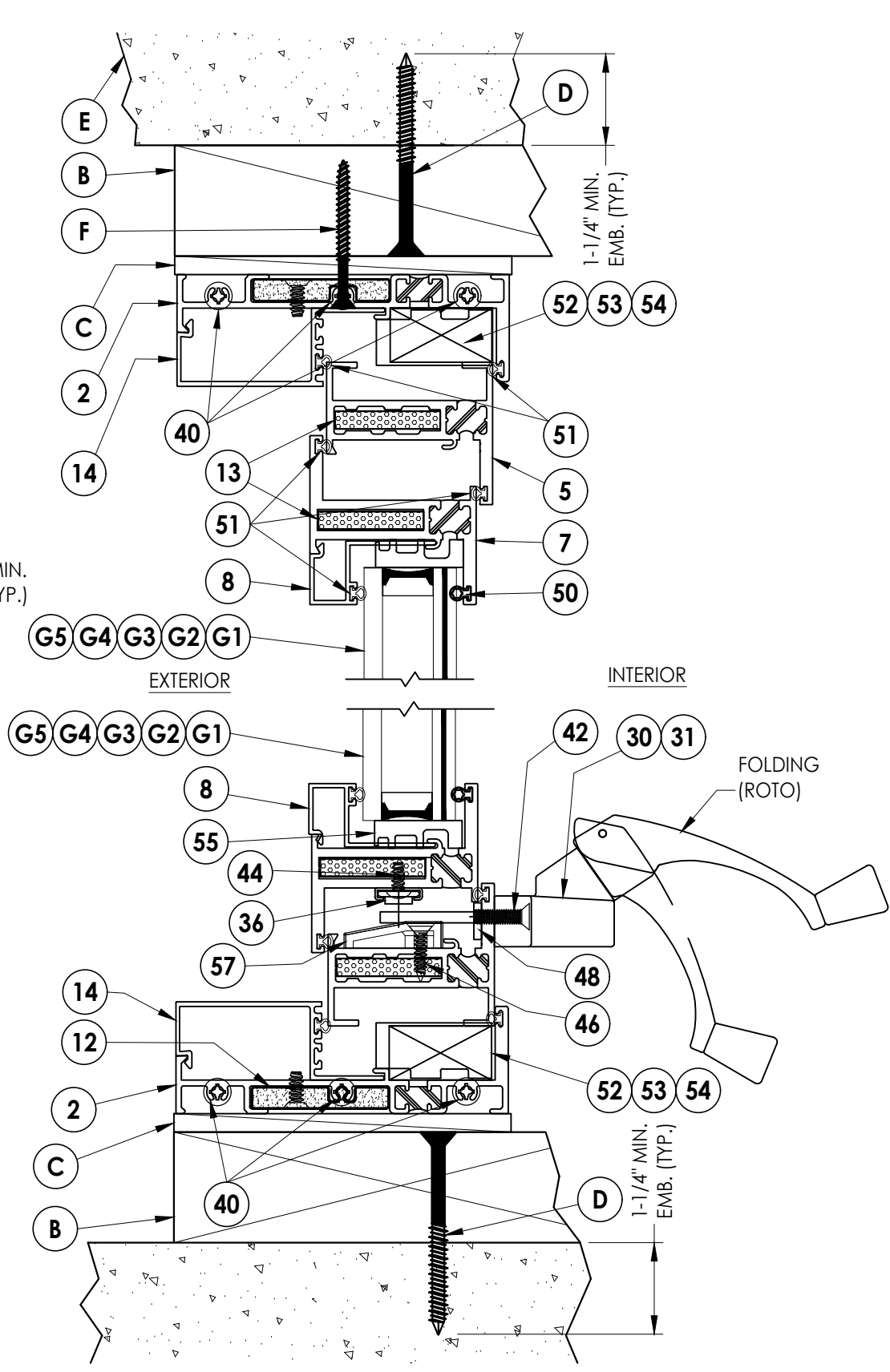
3 **HORIZONTAL CROSS SECTION**
4 Shown w/ Steel Stud option

4 **HORIZONTAL CROSS SECTION**
4 Shown w/ Direct to Masonry option



1 **HORIZONTAL CROSS SECTION**
4 Shown w/ 2X Buck Construction

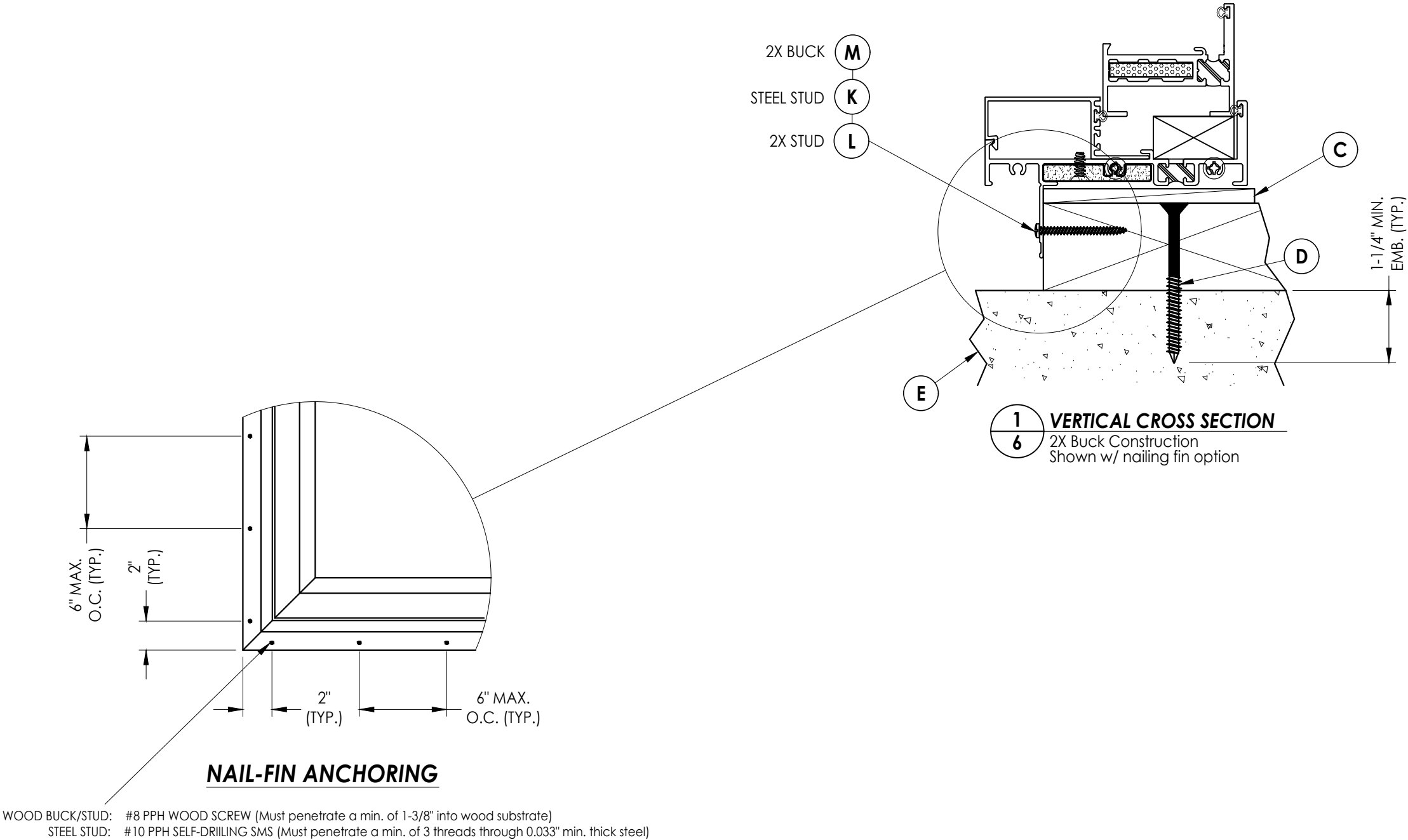
2 **HORIZONTAL CROSS SECTION**
4 Shown w/ 1X Sub buck option



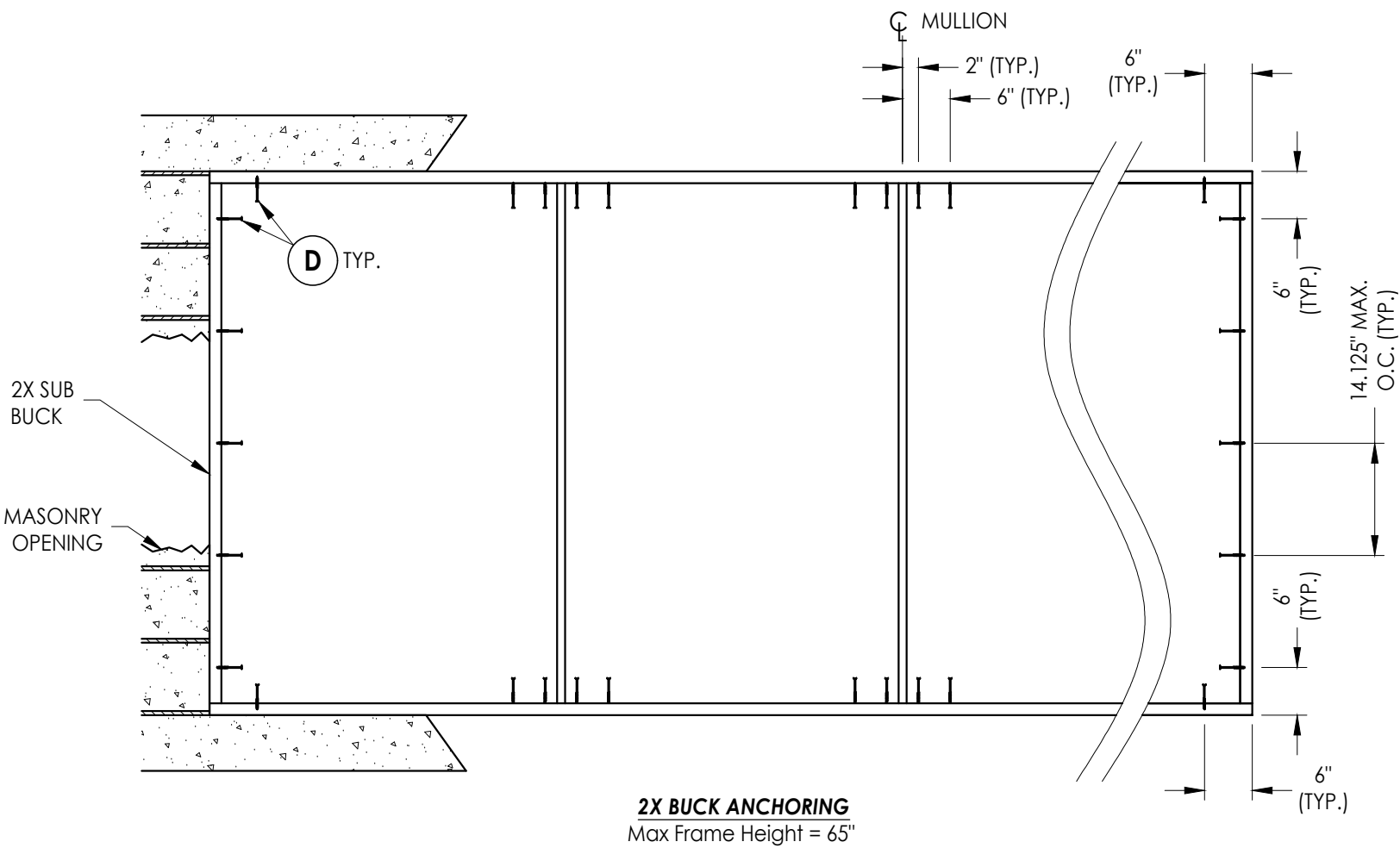
5 **VERTICAL CROSS SECTION**
4 Shown w/ 2X Buck Construction

NOTE:
1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal.

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PRODUCT: FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC
5	12/7/21	SERIES NAME CHANGE	LFS
4	8/06/20	UPDATE TO 7th ED. (2020)	FBC
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC
2	8/22/16	RENUMBER DRAWINGS	LFS
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC
NO.	DATE		BY
DATE: 10/23/13			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14904.6			
SHEET 4 OF 12			



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: FLEETWOOD WINDOWS AND DOORS				PART OR ASSEMBLY: VERTICAL CROSS SECTION			
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
5	12/7/21	SERIES NAME CHANGE		LFS			
4	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC			
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
2	8/22/16	RENUMBER DRAWINGS		LFS			
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC	LFS			
NO.	DATE		BY				
DATE: 10/23/13							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14904.6							
SHEET 6 OF 12							



2X BUCK ANCHORING

Max Frame Height = 65'

CONCRETE ANCHOR 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:

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"

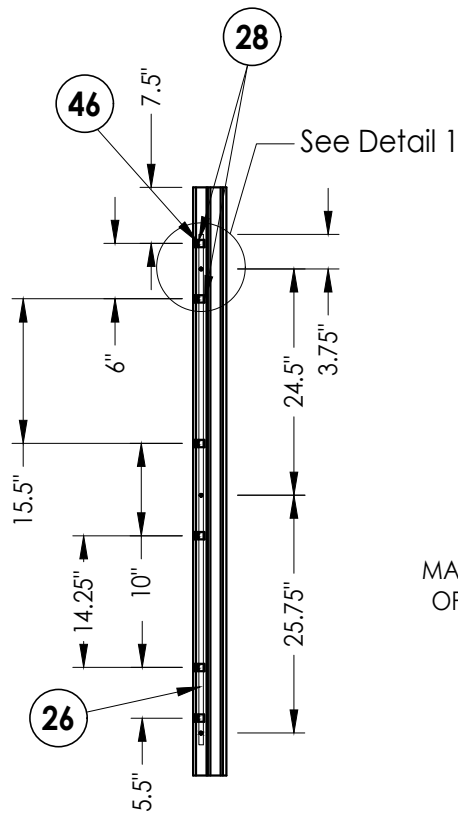
DATE:	10/23/13				
SCALE:	N.T.S.				
DWG. BY:	JK				
CHK. BY:	LFS				
DRAWING NO.:	FL-14904.6				
SHEET	7	OF	12		
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
5	12/7/21	SERIES NAME CHANGE		LFS	
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1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC	LFS	
NO.	DATE				BY
					REVISIONS

PRODUCT:	FLEETWOOD WINDOWS AND DOORS
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By:
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P.E. No. 43409

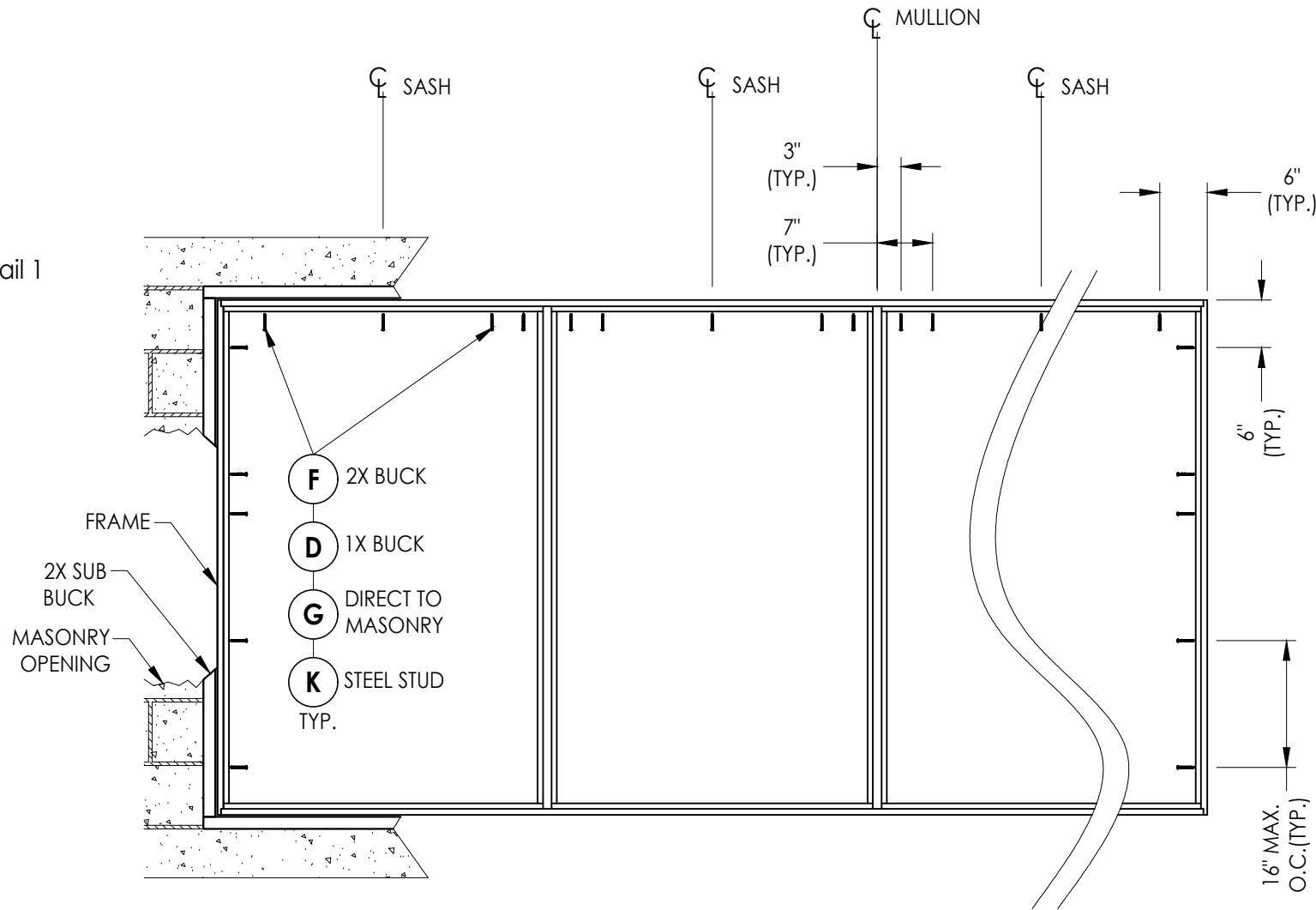
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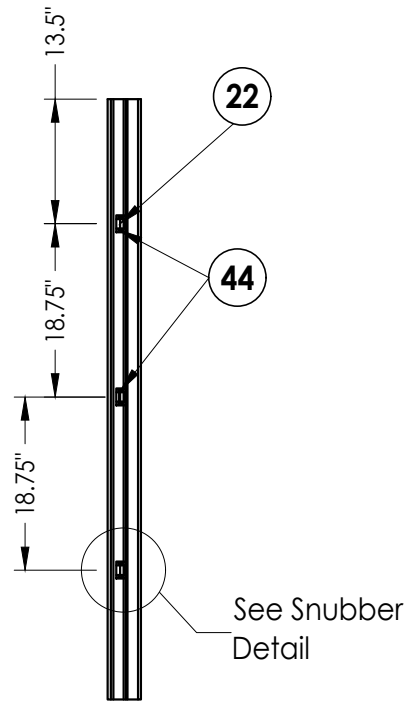
LOCK JAMB

Locking Points (3)



FRAME ANCHORING

Max Frame Height = 65"



SNUBBERS JAMB

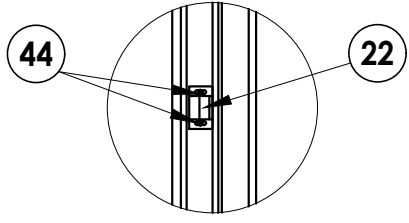
CONCRETE ANCHOR NOTES:

- 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:

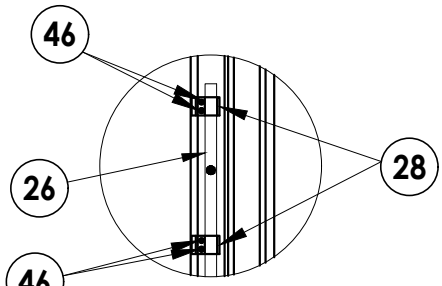
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

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.



SNUBBER DETAIL



DETAIL 1

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

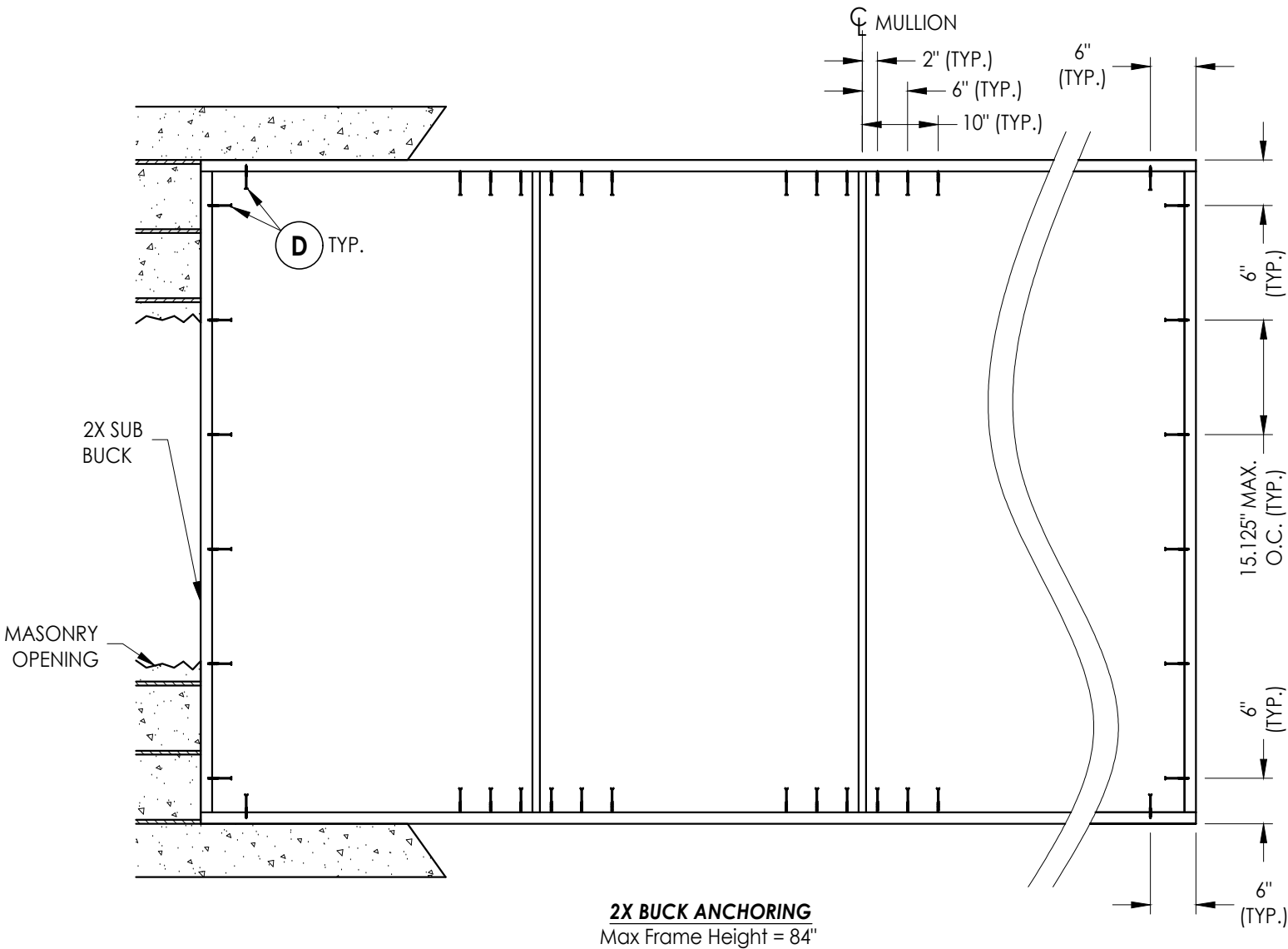
PRODUCT:
FLEETWOOD WINDOWS AND DOORS

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

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC
5	12/7/21	SERIES NAME CHANGE
4	8/06/20	UPDATE TO 7TH ED. (2020) FBC
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DATE: 10/23/13
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14904.6
SHEET 8 OF 12



CONCRETE ANCHOR NOTES:

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P.E. No. 43409

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
BUCK ANCHORING

6

7/12/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

5

12/7/21

SERIES NAME CHANGE

FBC

LFS

4

8/06/20

UPDATE TO 7TH ED. (2020)

FBC

DAC

3

8/07/17

UPDATE TO 6TH ED. (2017)

FBC

LFS

2

8/22/16

RENUMBER DRAWINGS

FBC

LFS

1

1/22/15

UPDATE TO 5TH ED. (2014)

FBC

LFS

NO.

DATE

BY

REVISIONS

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14904.6

SHEET 9 OF 12

RW

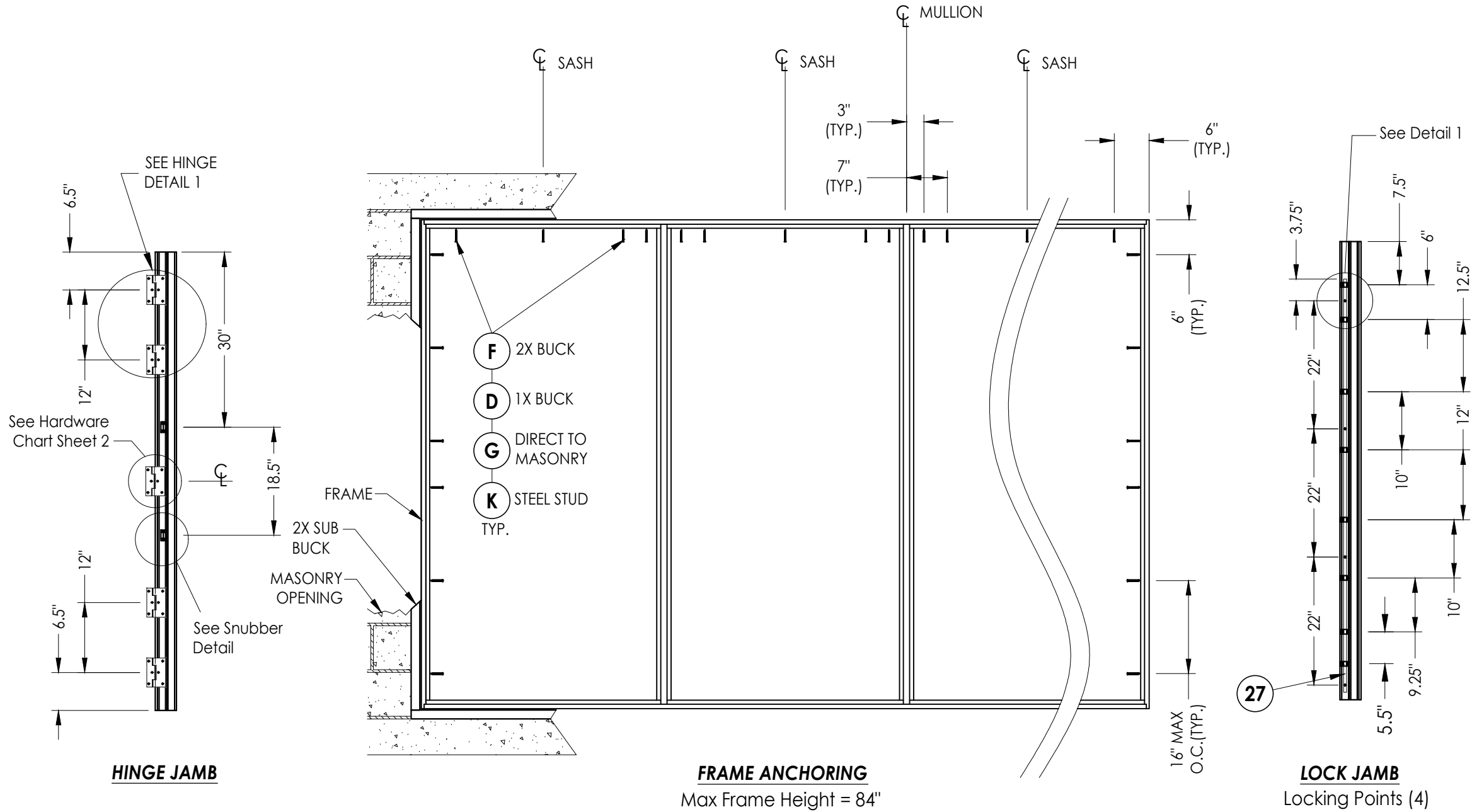
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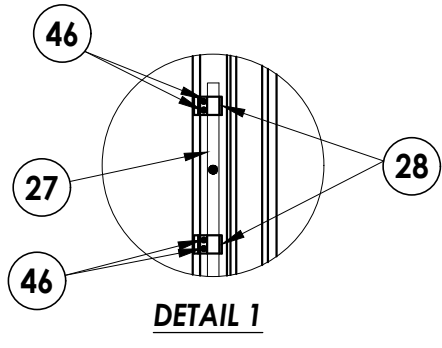
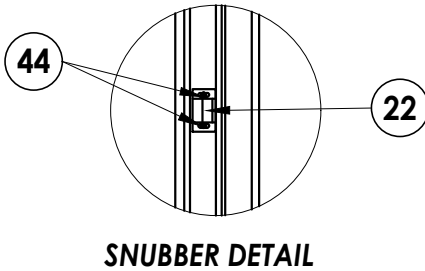
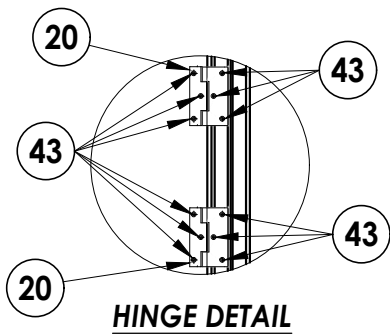
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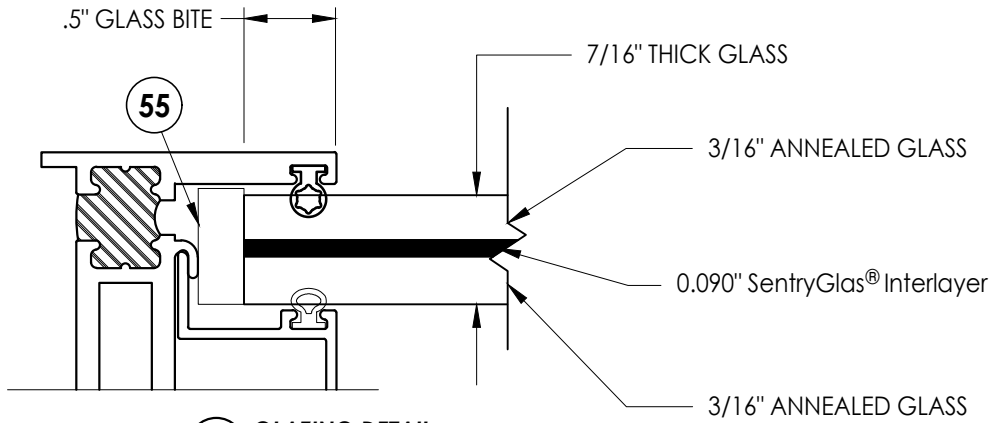
WOOD SCREW INSTALLATION NOTES:

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

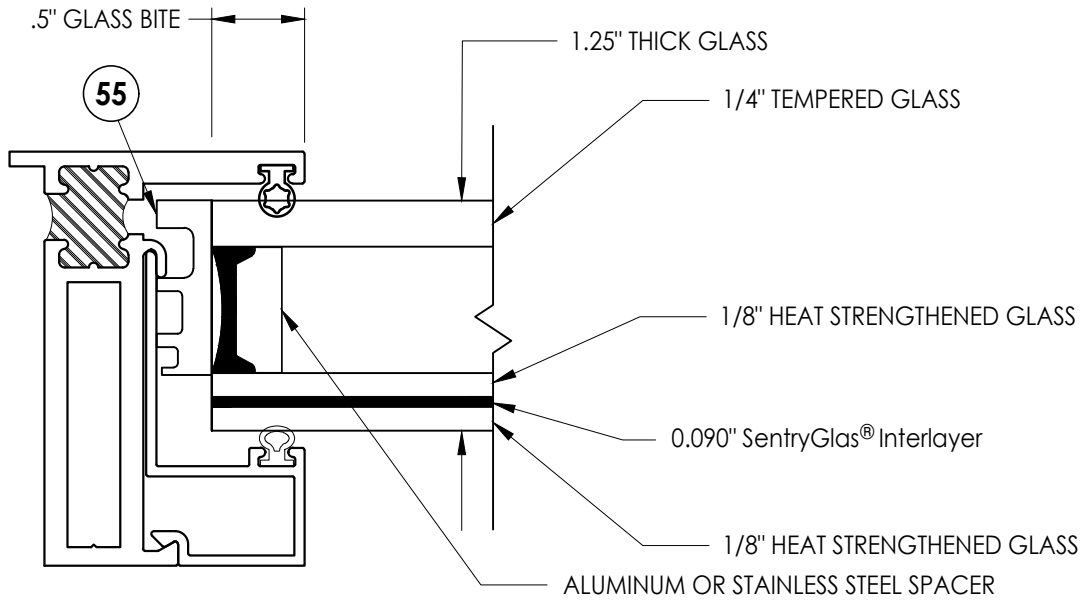


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PRODUCT: FLEETWOOD WINDOWS AND DOORS					PART OR ASSEMBLY: FRAME ANCHORING				
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS				
5	12/7/21	SERIES NAME CHANGE		LFS					
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NO.		DATE		BY					
DATE: 10/23/13									
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DWG. BY: JK									
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DRAWING NO.: FL-14904.6									
SHEET 10 OF 12									

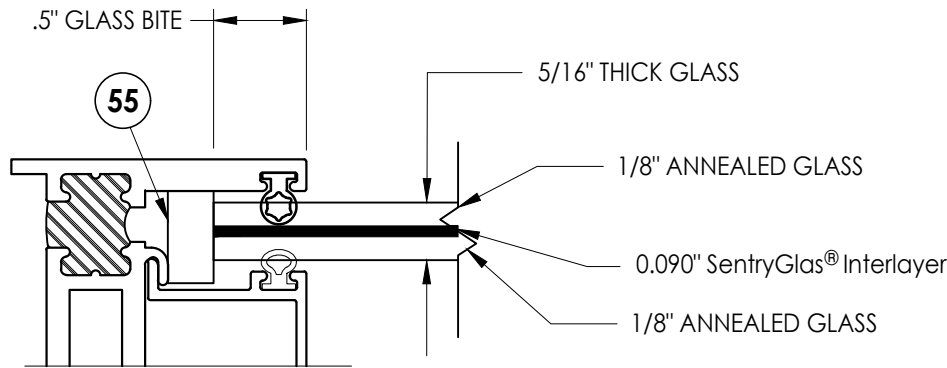
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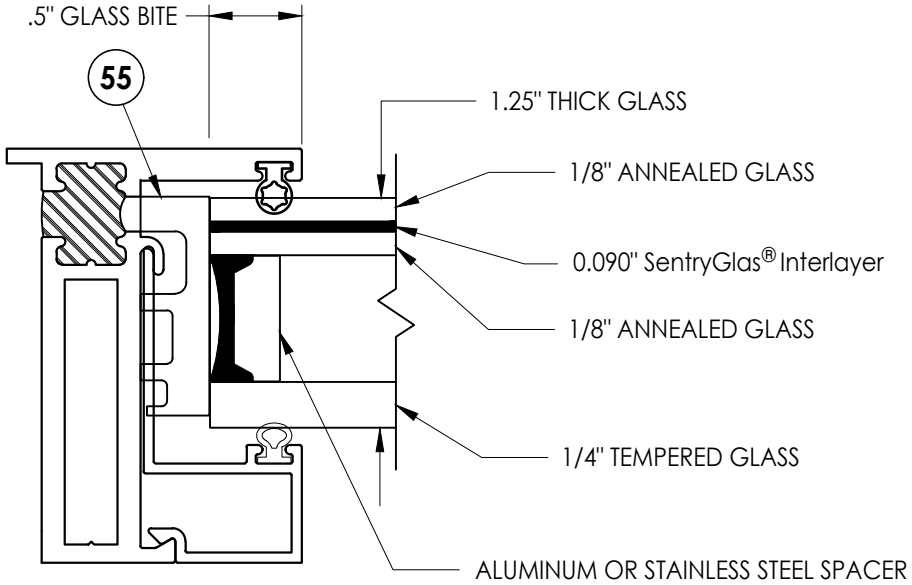
G3 GLAZING DETAIL



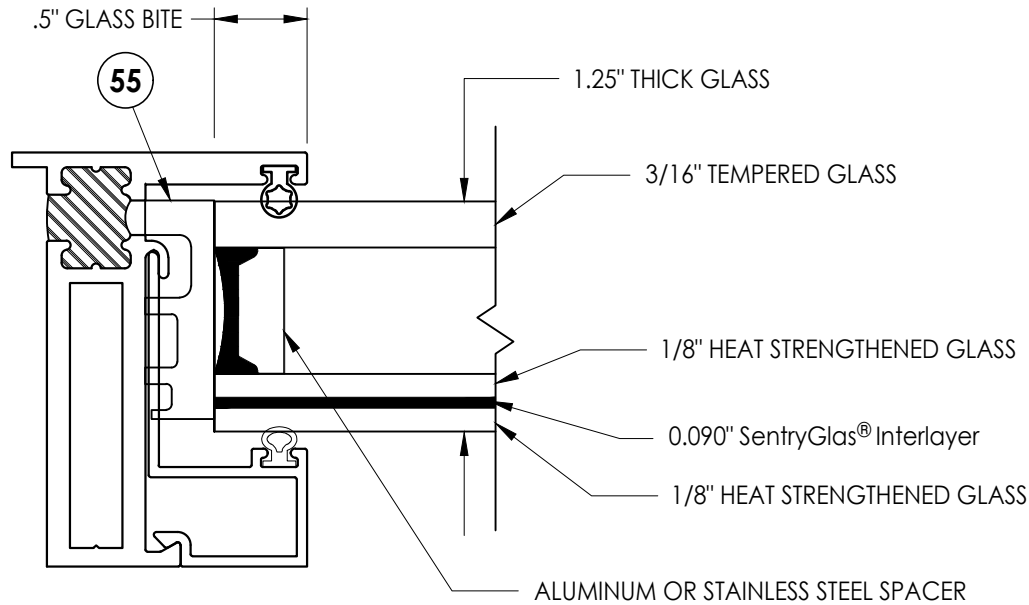
G2 GLAZING DETAIL



G4 GLAZING DETAIL



G1 GLAZING DETAIL



G5 GLAZING DETAIL

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

RW BUILDING CONSULTANTS, INC.
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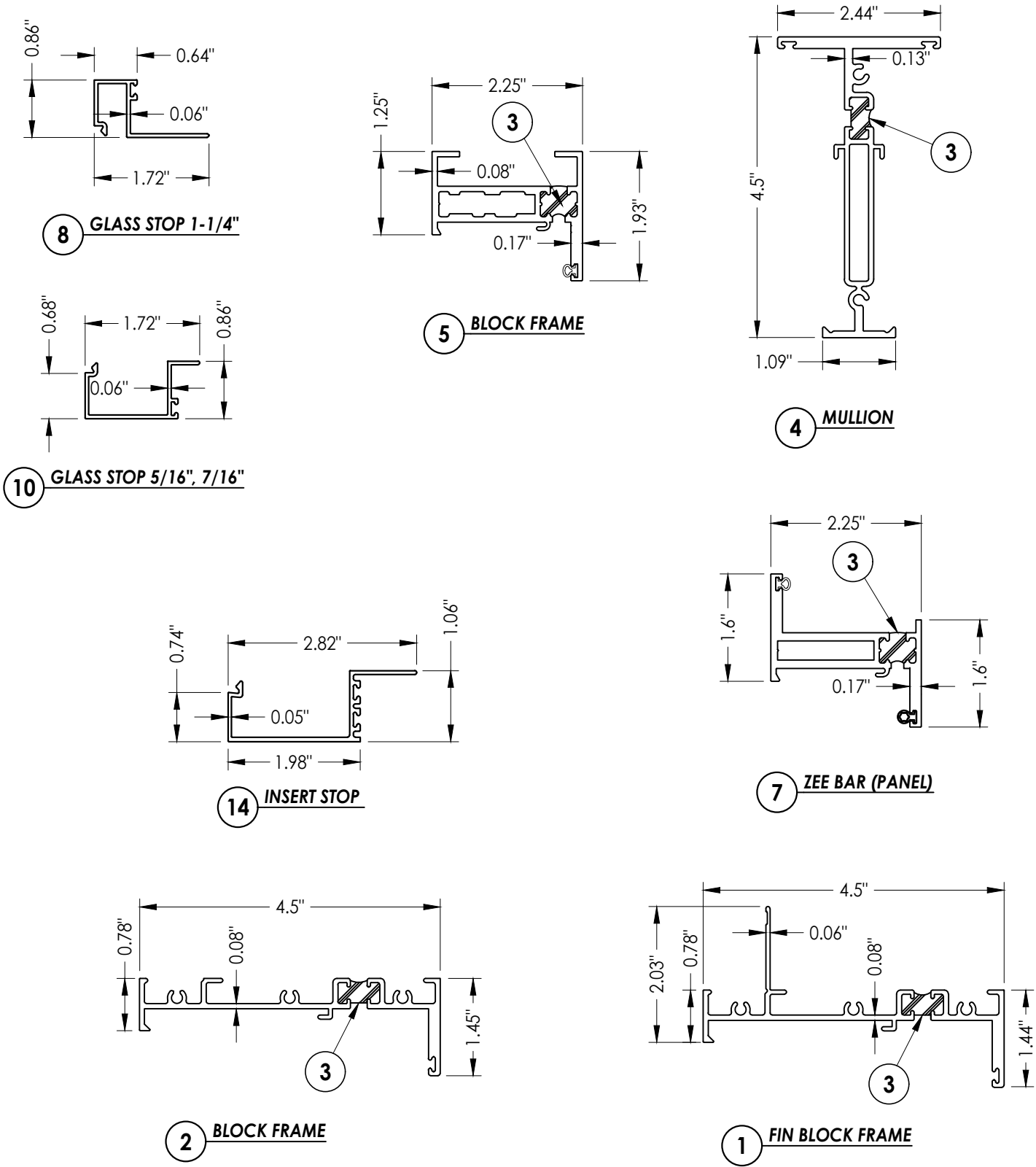
PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
GLAZING DETAILS

NO.	DATE	REVISIONS
6	7/12/23	UPDATE TO 8TH ED. (2023) FBC
5	12/7/21	SERIES NAME CHANGE
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DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-14904.6
SHEET 11 OF 12

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" x 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
H	#10 X 2-3/4" PPH WOOD SCREW	STEEL
J	1/4" x 3-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
L	#8 PPH WS (1-3/8" MIN. EMBEDMENT)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
M	#8 X 1-1/2" PPH SMS (1-3/8" MIN. EMBEDMENT)	STEEL
X	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 Ksi Min, Fu=45 Ksi Min)	STEEL
1	FIN BLOCK FRAME (3800-T)	6063-T6 ALUM
2	BLOCK FRAME (3800-T)	6063-T6 ALUM
3	THERMAL BREAK ("LIQUID POLYURETHANE" by Azon USA, Inc.)	-
4	MULLION	6063-T6 ALUM
5	BLOCK FRAME (350-T)	6063-T6 ALUM
7	ZEE BAR (PANEL)	6063-T6 ALUM
8	GLASS STOP (1-1/4")	6063-T6 ALUM
10	GLASS STOP (5/16", 7/16")	6063-T6 ALUM
12	SHEAR BLOCK	6061-T6 ALUM
13	CORNER KEY	6063-T6 ALUM
14	INSERT STOP	6063-T6 ALUM
20	SS. BUTT HINGE	SS
21	4 BAR HINGE	SS
22	SNUBBER-COMMERCIAL PULL-IN BLOCK	SS
23	MULTIPOINT LOCK HANDLE	SS
26	3 POINTS LOCKING BAR (TRUTH)	SS
27	4 POINTS LOCKING BAR (TRUTH)	SS
28	TIE BAR GUIDE (TRUTH)	-
29	KEEPER (TRUTH)	SS
30	CASEMENT ROTOR GEAR 13.5"(TRUTH)	SS
31	CASEMENT ROTOR GEAR 9.5"(TRUTH)	SS
35	CAM HANDLE / STRIKE PLATE	SS
36	CASEMENT SS. TRACK (TRUTH)	SS
40	#10 X 1" PPH SMS	STEEL
42	MACHINGE SCREW NO 10-32, FHP .75"	STEEL
43	SCREW NO 10 , UFHP .5"	STEEL
44	SCREW NO 8, PHP, .50"	STEEL
46	SCREW NO 8, FHP, .750"	STEEL
48	BACK UP NUTS	STEEL
50	BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
51	MINI BULB VINYL (EPDM 70 DUROMETER) - TREMCO	-
52	WOOD BLOCK .750" X 1.250"	-
53	ALUMINUM BLOCK .750" X 1.250"	-
54	PVC BLOCK .750" X 1.250"	-
55	SETTING BLOCK (SANTOPRENE - 86 DUROMETER) - TREMCO	-
57	PIVOT SHIM	-
58	WOOD BLOCK .50" X 1.250"	-
59	ALUMINUM BLOCK .50" X 1.250"	-
60	PVC BLOCK .50" X 1.250"	-



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: FLEETWOOD WINDOWS AND DOORS				PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS			
6	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS		
5	12/7/21	SERIES NAME CHANGE		LFS			
4	8/06/20	UPDATE TO 7th ED. (2020)	FBC	DAC			
3	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS			
2	8/22/16	RENUMBER DRAWINGS		LFS			
1	1/22/15	UPDATE TO 5TH ED. (2014)	FBC	LFS			
NO.		DATE		BY			
DATE: 10/23/13							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14904.6							
SHEET 12 OF 12							