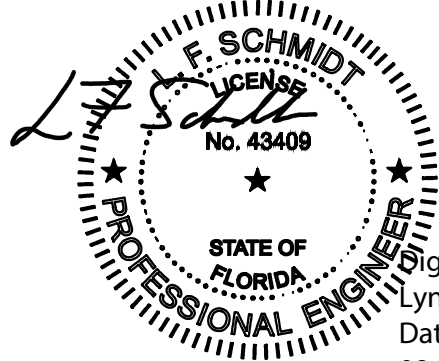




This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA
Digitally signed by
Lyndon F Schmidt
Date: 2023.07.12
08:18:56 -04'00'

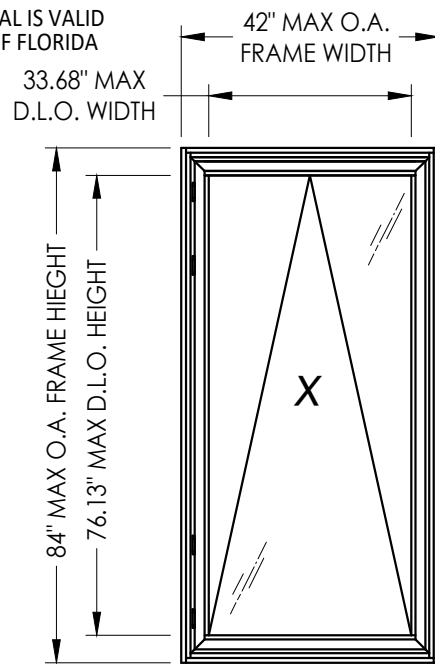
Series 3800-T w/ Series 350-T Aluminum Awning Window w/ Thermal Break Frame "IMPACT"

GENERAL NOTES

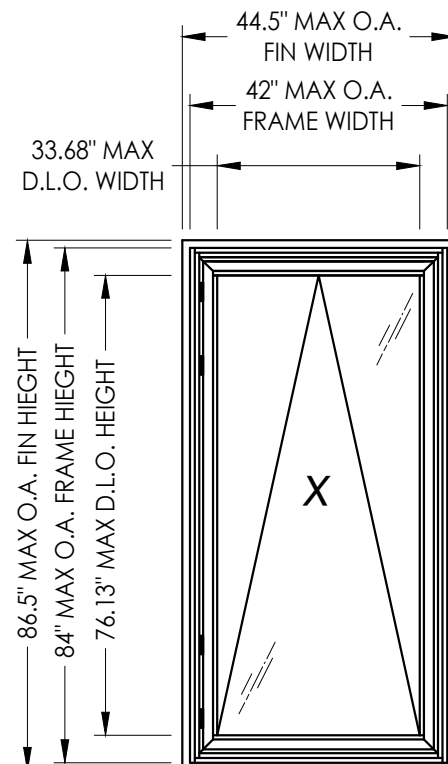
- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas 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 E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS

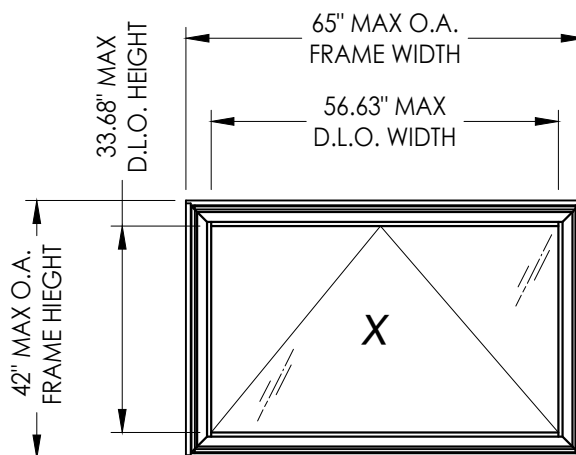
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Horizontal and vertical cross sections
5	Buck and frame anchoring
6	Buck and frame anchoring
7	Glazing detail
8	Bill of materials and components



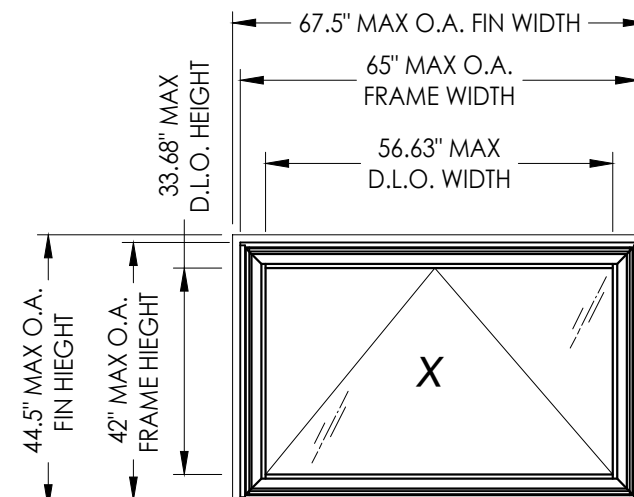
FRAME MOUNT



FIN MOUNT



FRAME MOUNT



FIN MOUNT

OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
44.5" X 86.5"	42" X 84"	33.68" X 76.13"	G1, G2, G3, G4, G5	+65.0	-65.0
44.5" X 47.5"	42" X 45"	33.68" X 37.88"	G1, G2, G3, G4, G5	+65.0	-65.0
67.5" X 44.5"	65" X 42"	56.63" X 33.68"	G1, G2, G3, G4, G5	+65.0	-65.0

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

PRODUCT:
FLEETWOOD WINDOWS AND DOORS

7	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
6	12/08/21	SERIES NAME CHANGE		LFS
5	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
4	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
3	8/22/16	RENUMBER DRAWINGS		JK
NO.	DATE			BY

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

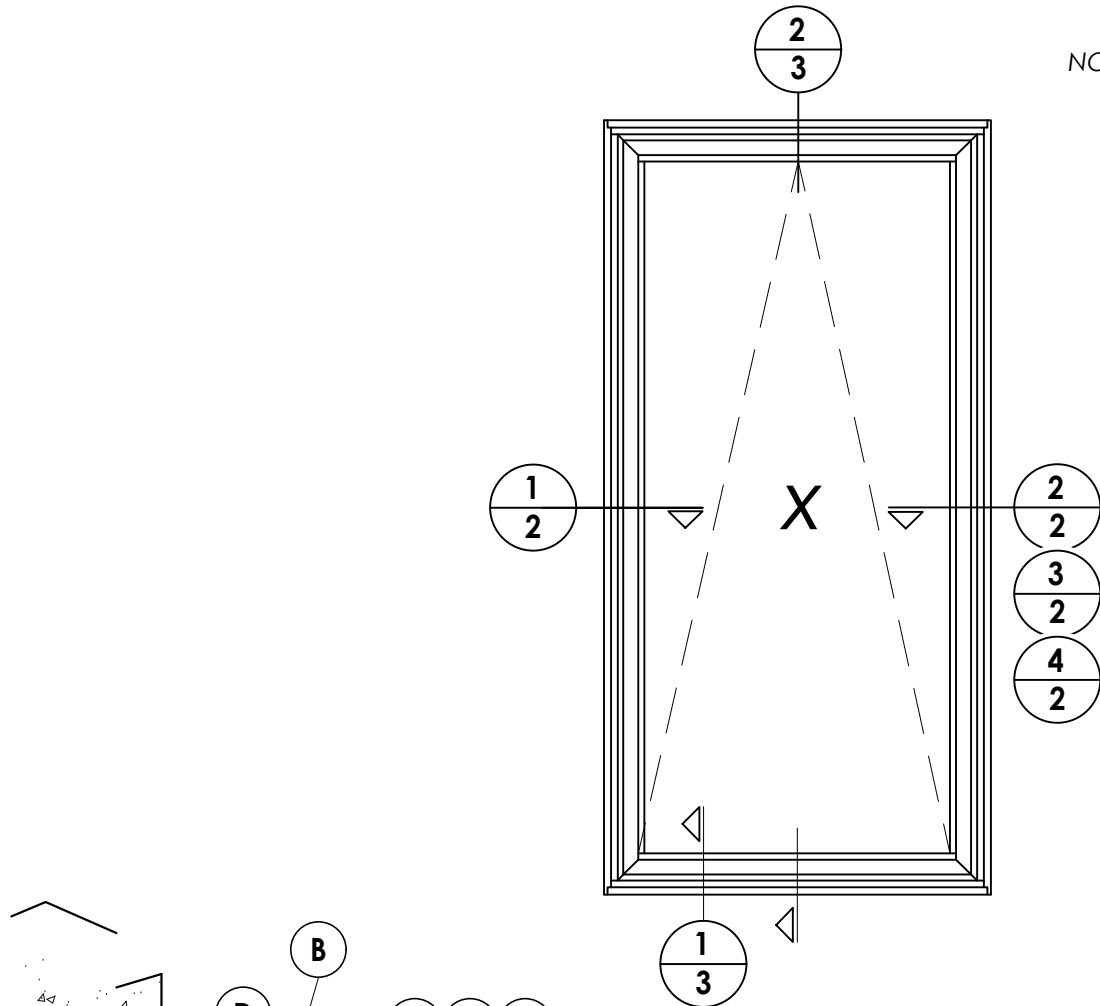
FL-14907.2

SHEET 1 OF 8

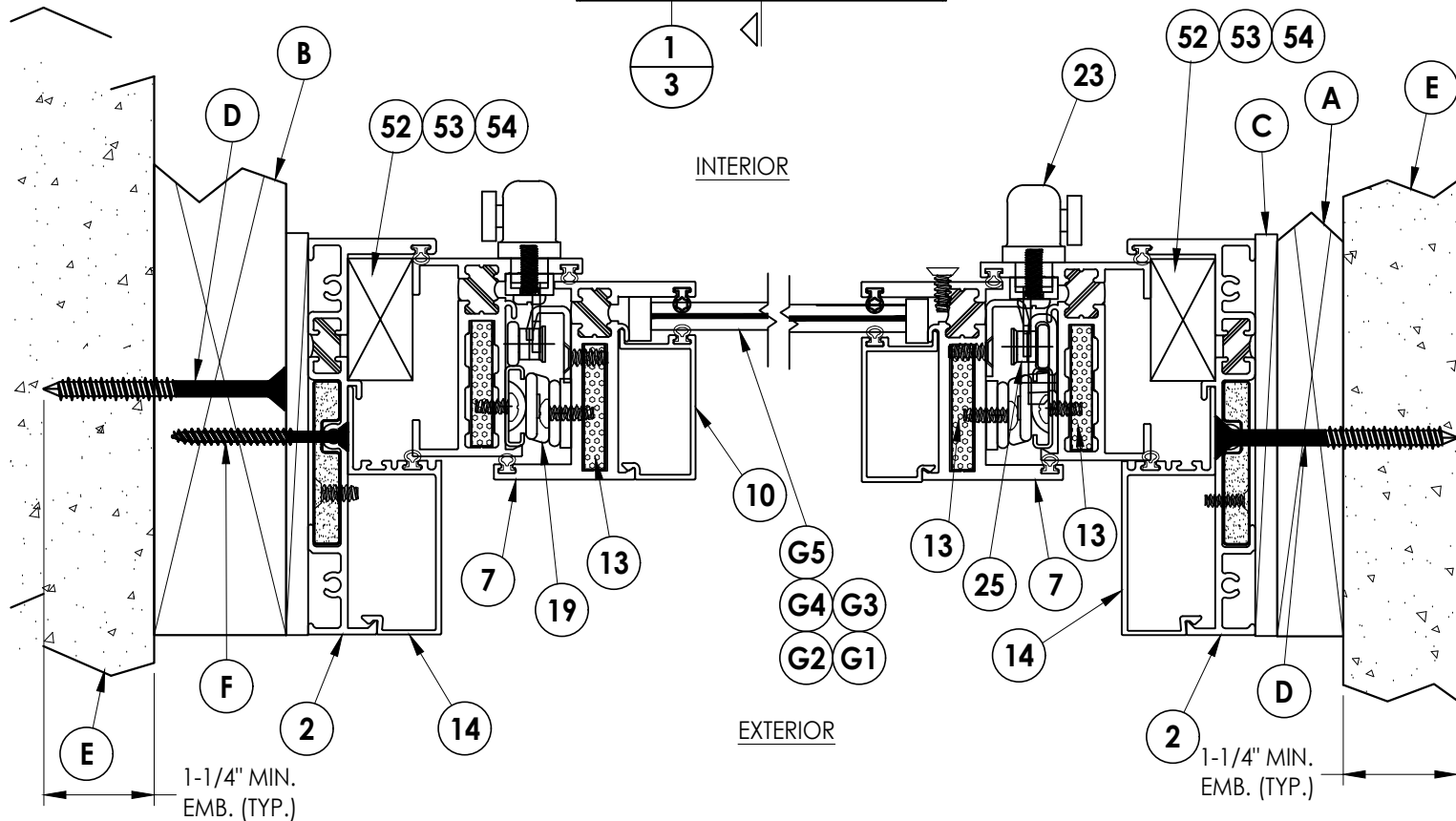
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

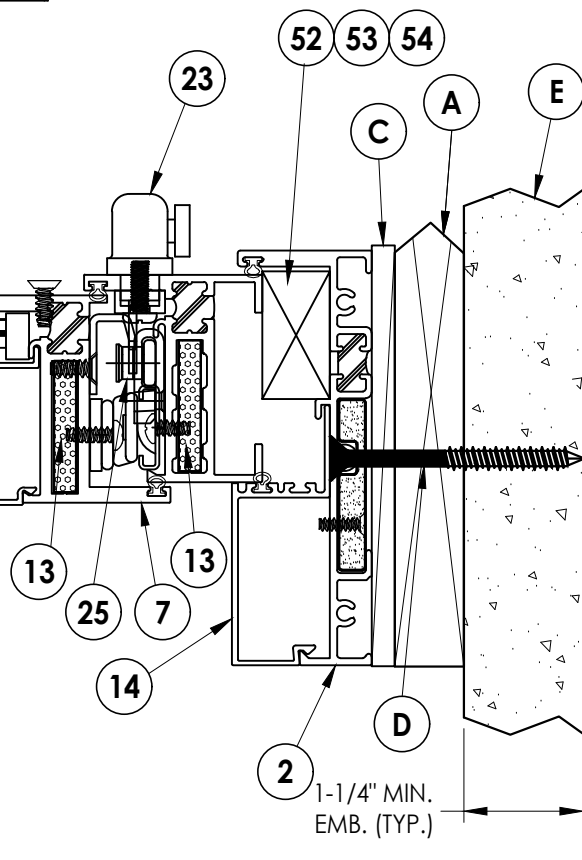
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.1-3.dwg



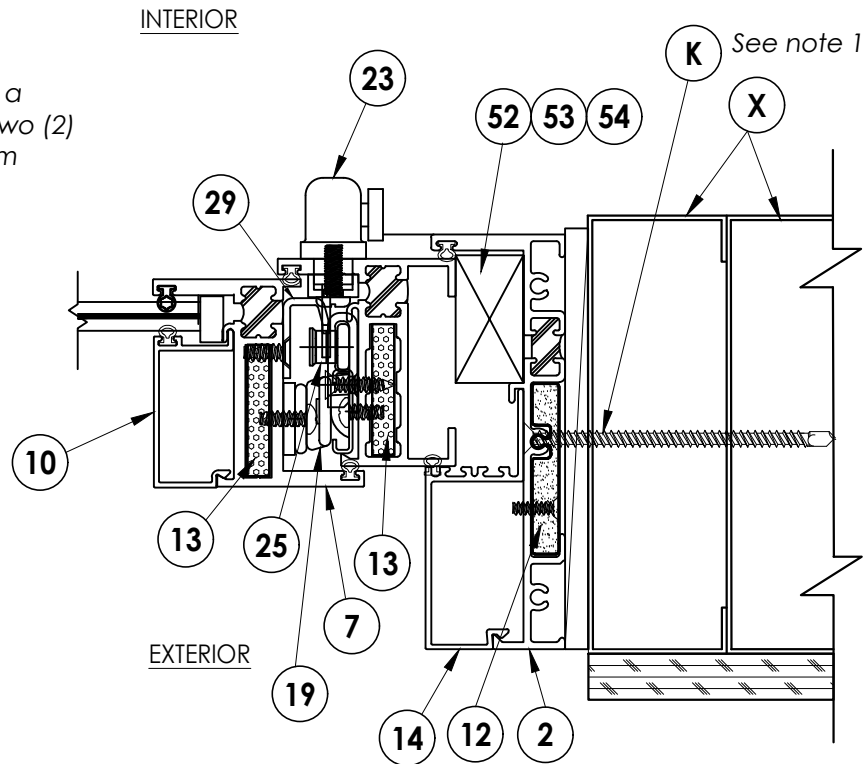
NOTE:
1. Sheet Metal Screws must penetrate a min. of 3 threads through at least two (2) sheets of metal. Maintain a minimum 1/2" edge distance.



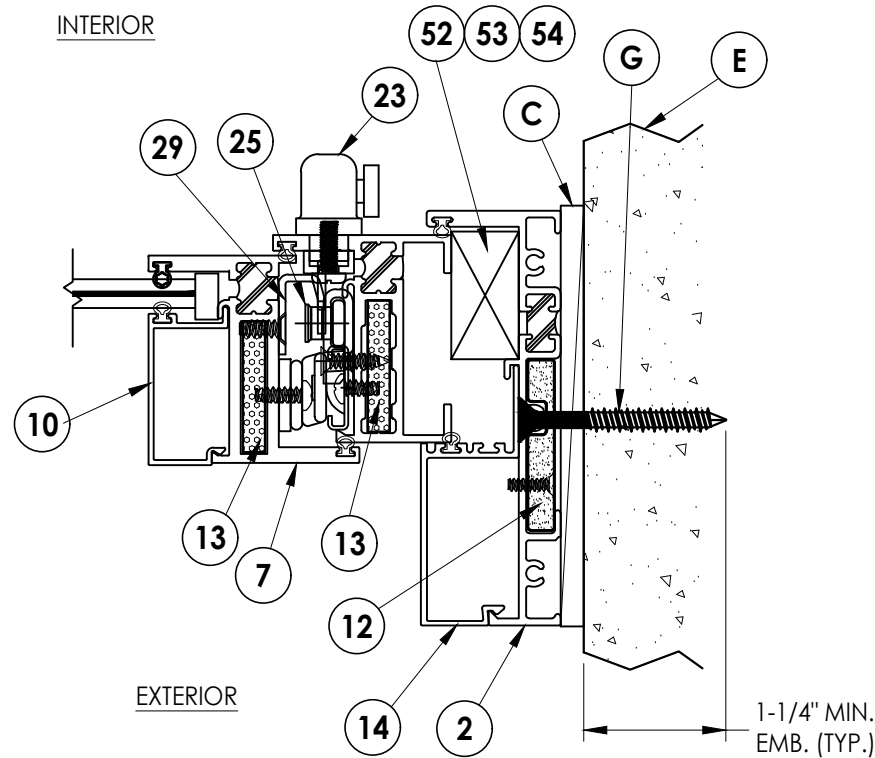
1
2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck Construction



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



3
2 HORIZONTAL CROSS SECTION
Shown w/ Steel Stud option



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

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

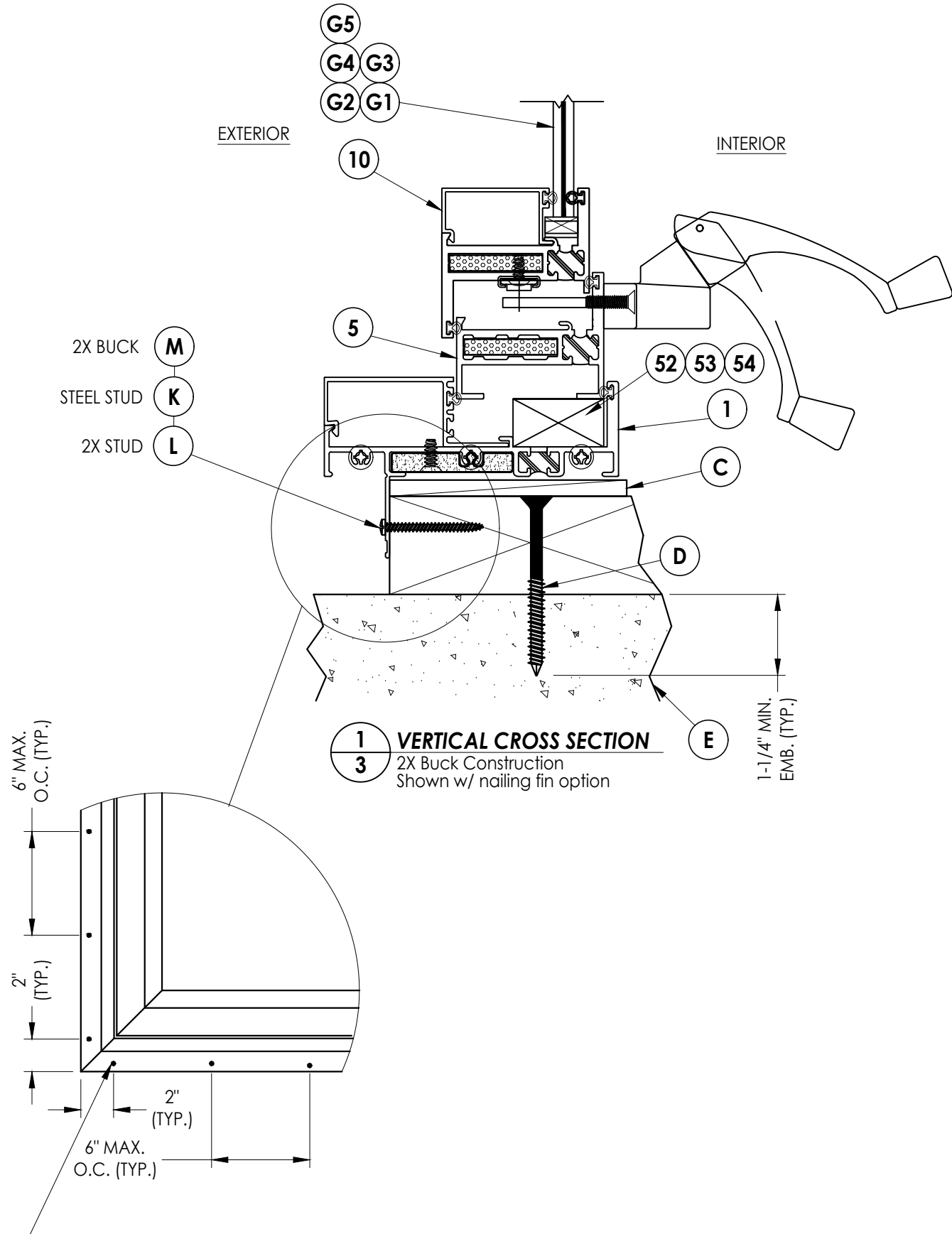
PRODUCT:
FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

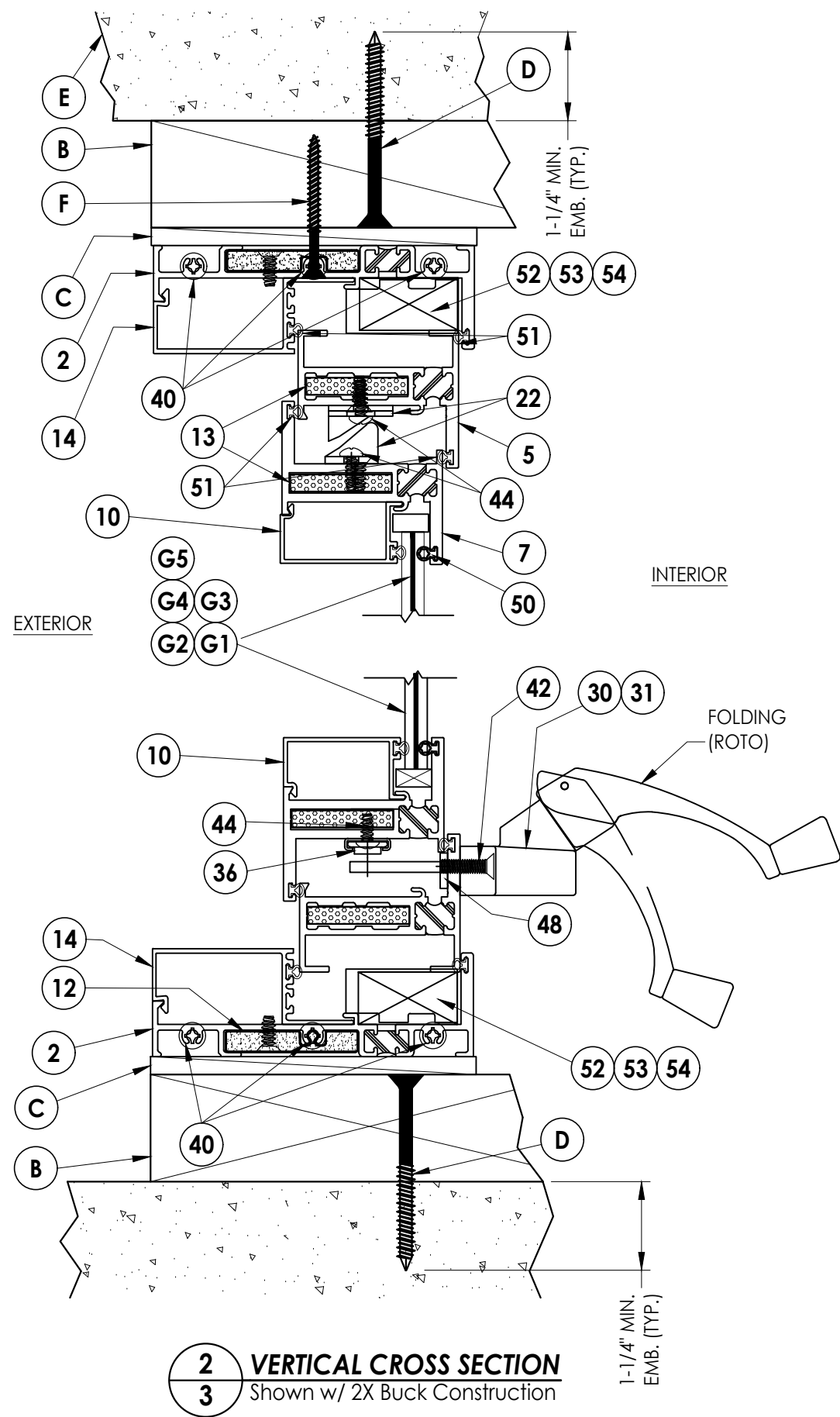
7	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
6	12/08/21	SERIES NAME CHANGE	LFS	LFS
5	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
4	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
3	8/22/16	RENUMBER DRAWINGS	JK	JK
NO.	DATE			BY

DATE: 10/23/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14907.2
SHEET 2 OF 8

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.1-3.dwg



WOOD BUCK/STUD: #8 PPH WOOD SCREW (Must penetrate a min. of 1-3/8" into wood substrate)
STEEL STUD: #10 PPH SELF-DRILLING SMS (Must penetrate a min. of 3 threads through 0.033" min. thick steel)
(NOTE: Maintain 1/2" minimum edge distance for wood and sheet metal screws)



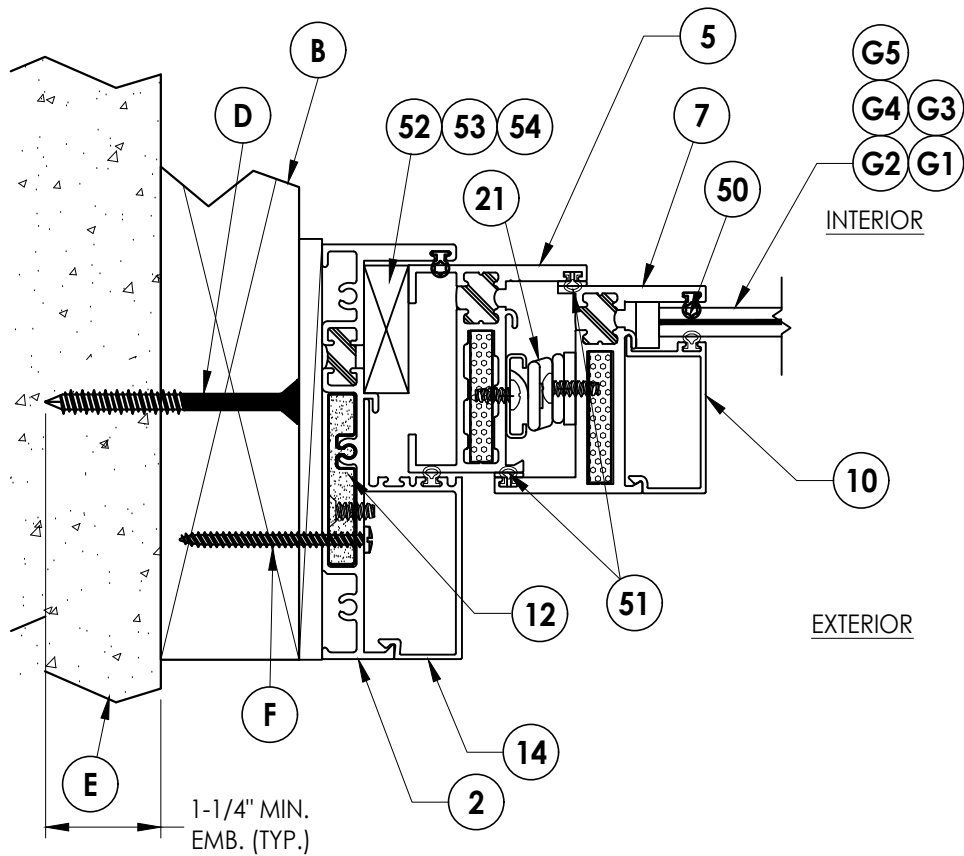
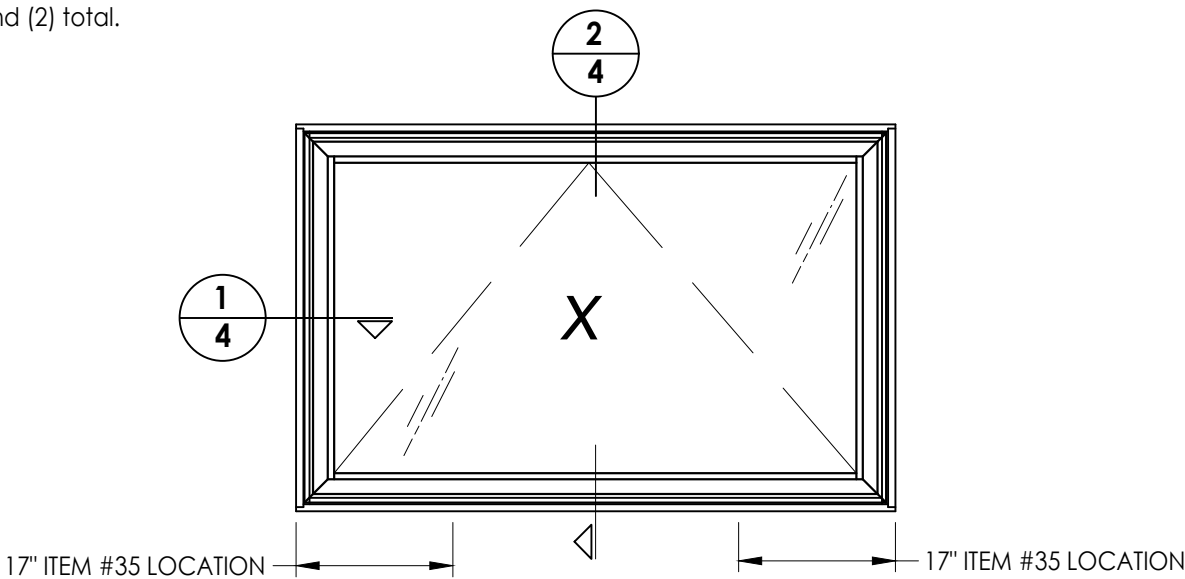
PRODUCT:		FLEETWOOD WINDOWS AND DOORS				PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
7	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS					
6	12/08/21	SERIES NAME CHANGE		LFS					
5	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC					
4	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
3	8/22/16	RENUMBER DRAWINGS		JK					
	NO.	DATE		BY					
DATE:		10/23/13							
SCALE:		N.T.S.							
DWG. BY:		JK							
CHK. BY:		LFS							
DRAWING NO.:		FL-14907.2							
SHEET		3	OF		8				

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

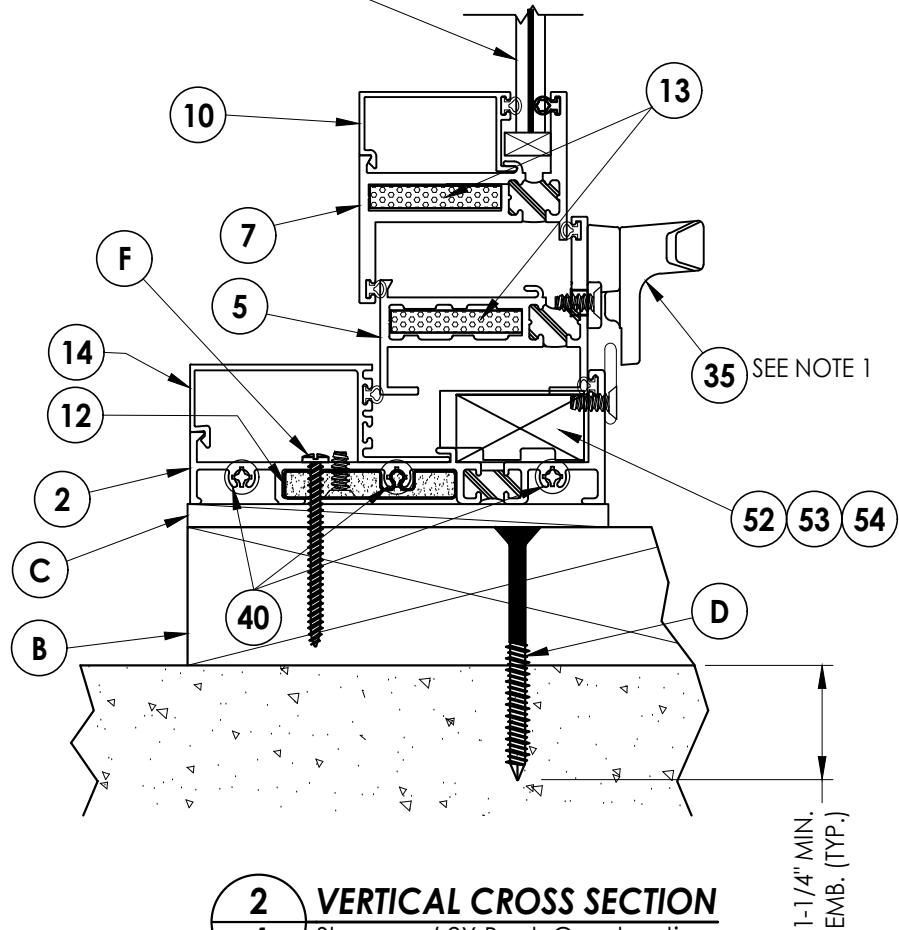
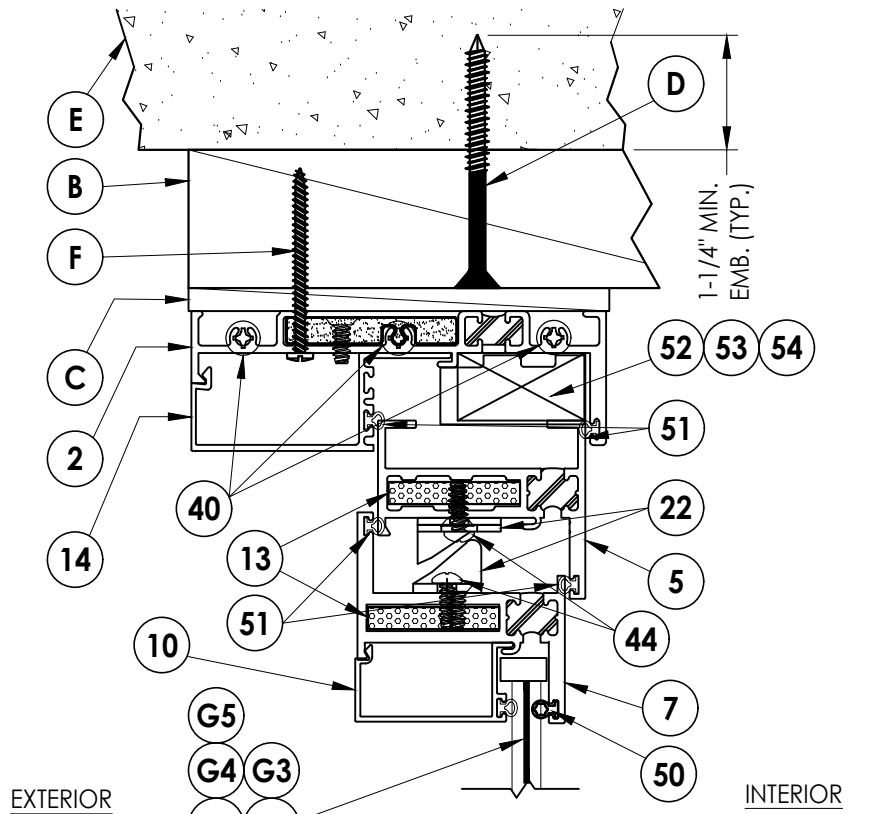
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 EBC Drawings\Fleetwood Windows & Doors\EL-14907 R11 Awning\EL-14907 1-3.dwg

NOTE:
1. Item #35 located 17"
from each end (2) total.



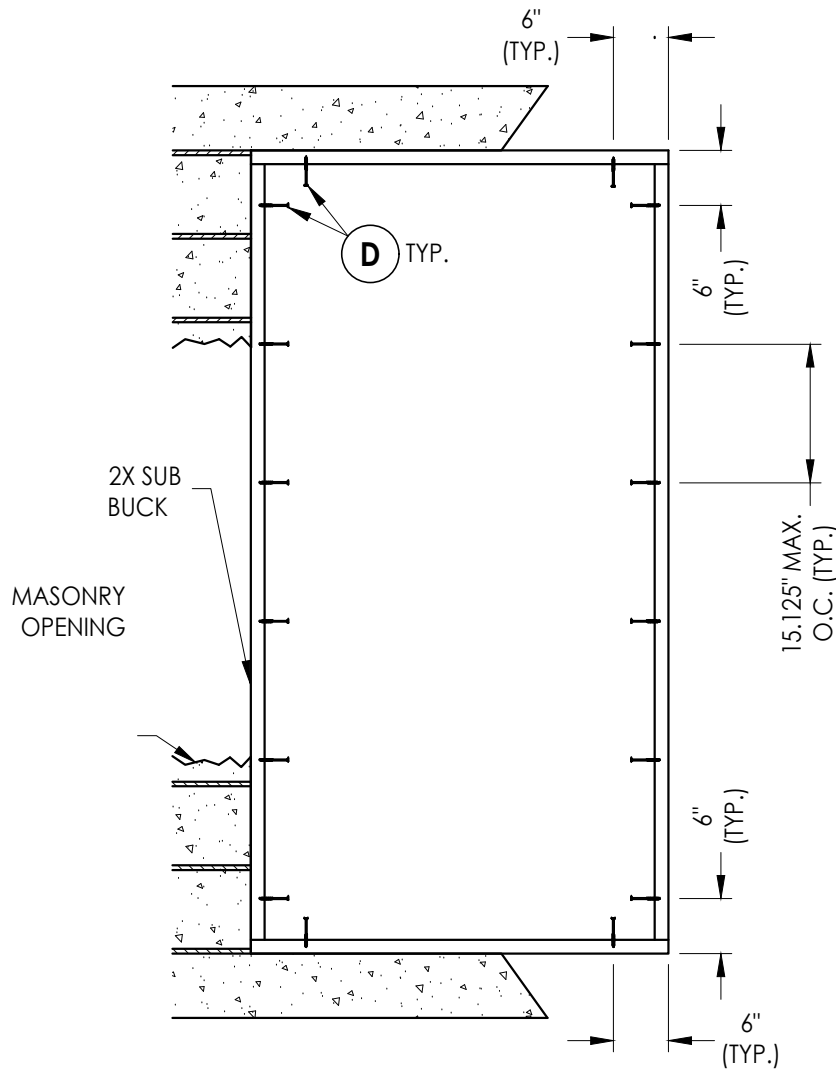
1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck Construction



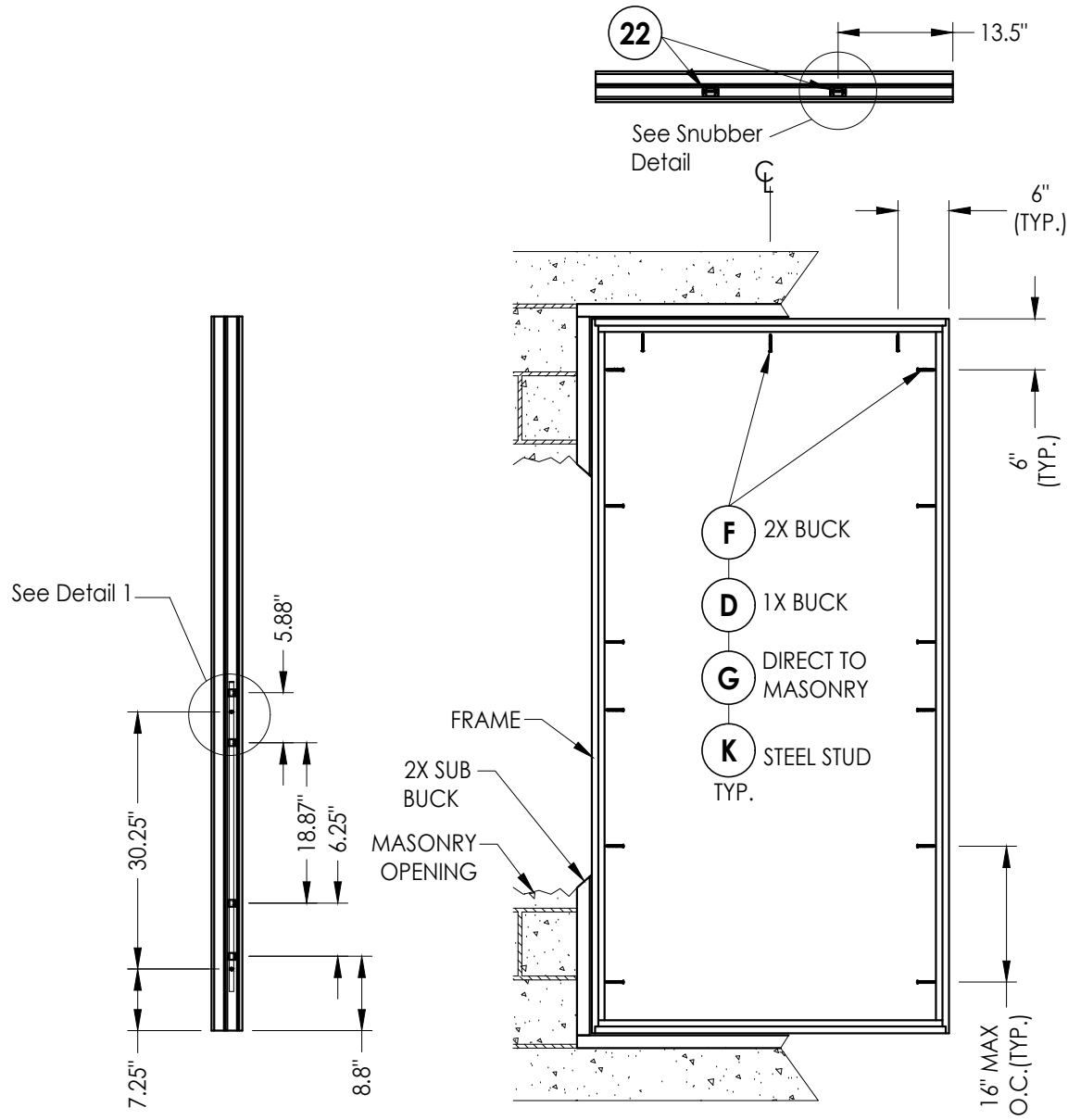
2
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck Construction

Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		FLEETWOOD WINDOWS AND DOORS		PART OR ASSEMBLY:	
				HORIZONTAL AND VERTICAL CROSS SECTIONS	
7	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
6	12/08/21	SERIES NAME CHANGE		LFS	
5	8/10/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
4	8/07/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
3	8/22/16	RENUMBER DRAWINGS		JK	
	NO.	DATE		BY	
DATE: 10/23/13					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14907.2					
SHEET 4 OF 8					

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.1-3.dwg

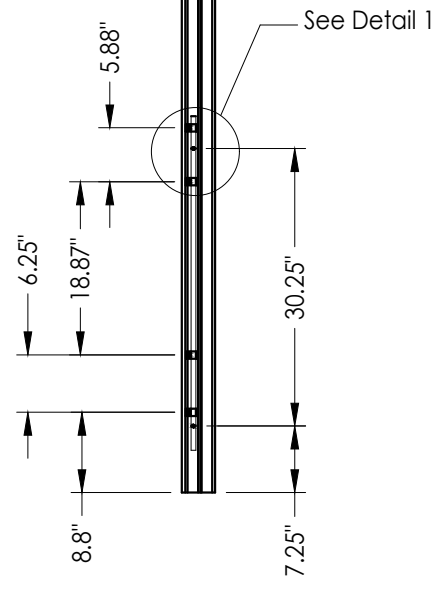


2X BUCK ANCHORING
42" X 84" Max Size



LOCK JAMB
2 Point Lock

FRAME MOUNT ANCHORING
42" X 84" Max Size



LOCK JAMB
2 Point Lock

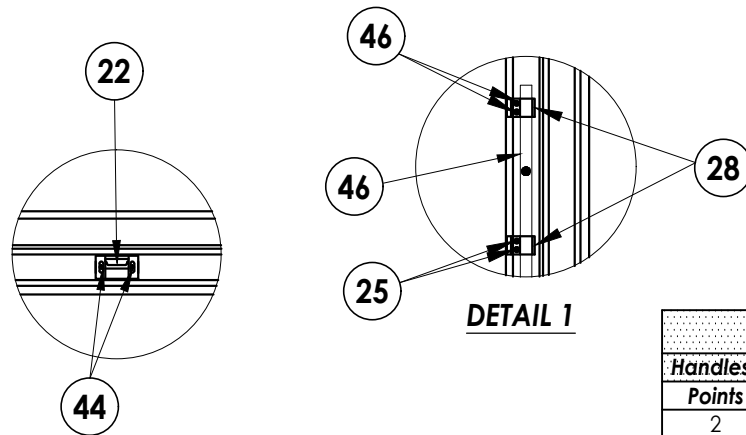
CONCRETE ANCHOR NOTES:

- 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

HARDWARE TABLE			
Handles			
Points	Description	Height	*Cam locks can be used in conjunction with multipoint lock or in lieu of multipoint locks
2	Multipoint	> 50"	
1	Multipoint	≤ 50"	
Qty.			
2	Cam*	≤ 50"	

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

BUCK & FRAME
ANCHORING

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

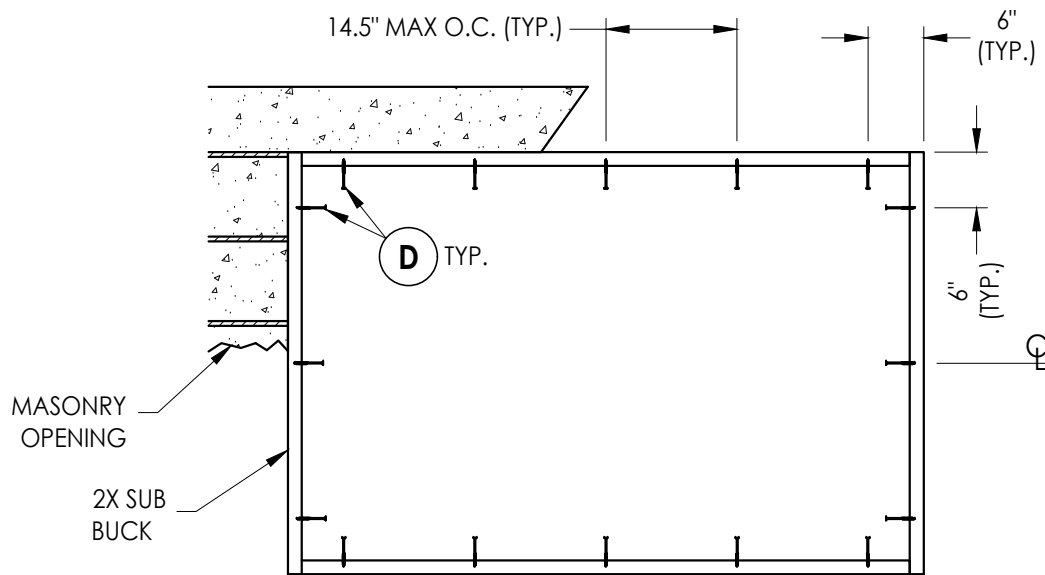
CHK. BY: LFS

DRAWING NO.:
FL-14907.2

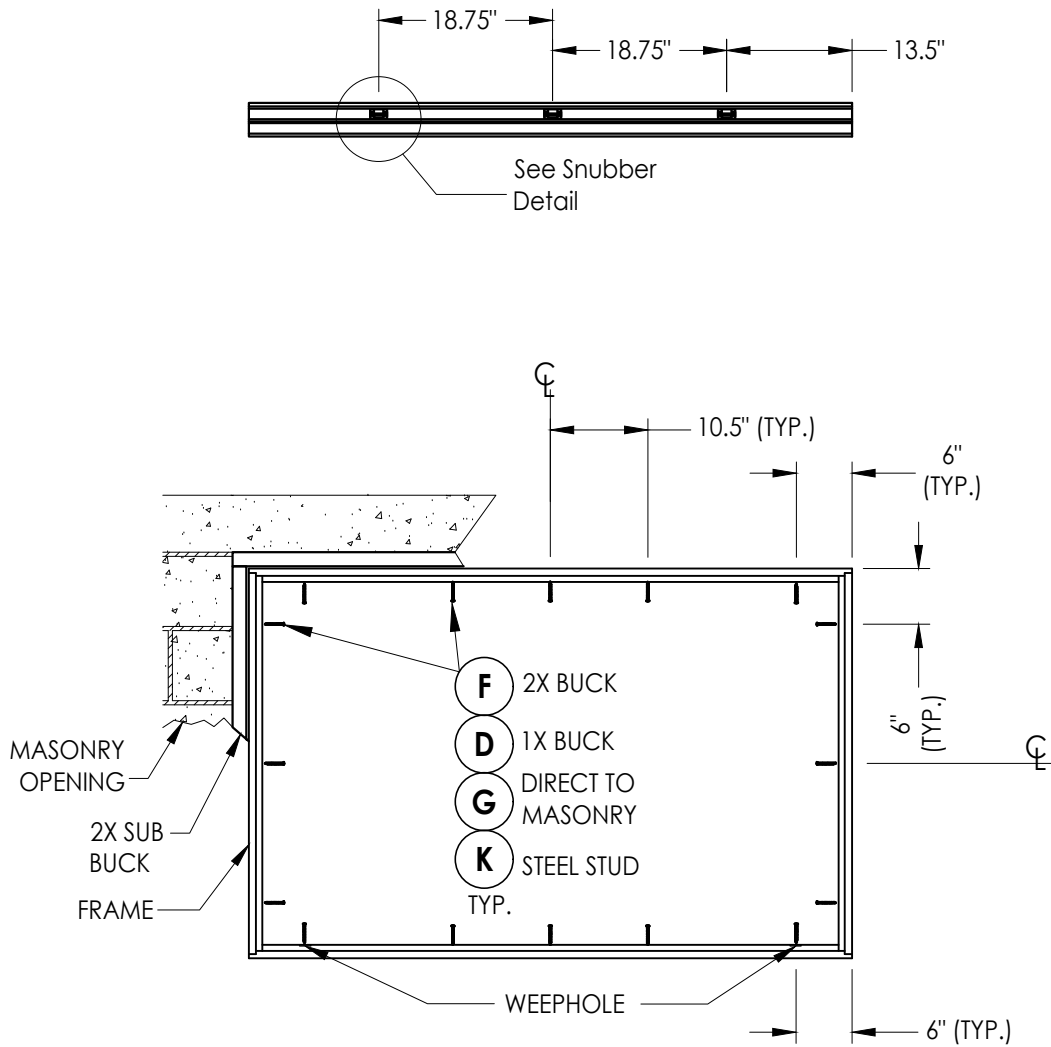
SHEET 5 OF 8

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

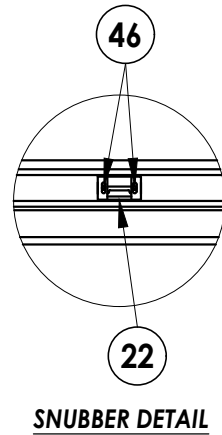
Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.1-3.dwg



2X BUCK ANCHORING
65" X 42" Max Size



FRAME MOUNT ANCHORING
65" X 42" Max Size



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

RW 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:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
7	7/12/23	UPDATE TO 8TH ED. (2023) FBC
6	12/08/21	SERIES NAME CHANGE
5	8/10/20	UPDATE TO 7TH ED. (2020) FBC
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC
3	8/22/16	RENUMBER DRAWINGS
2		
1		

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

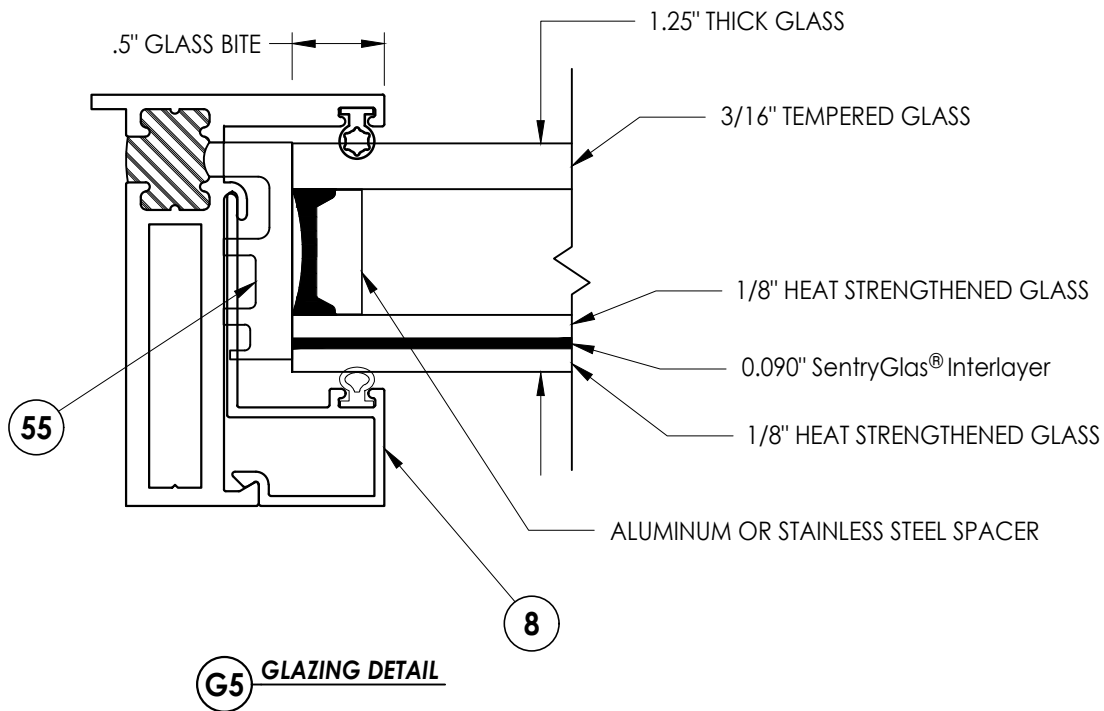
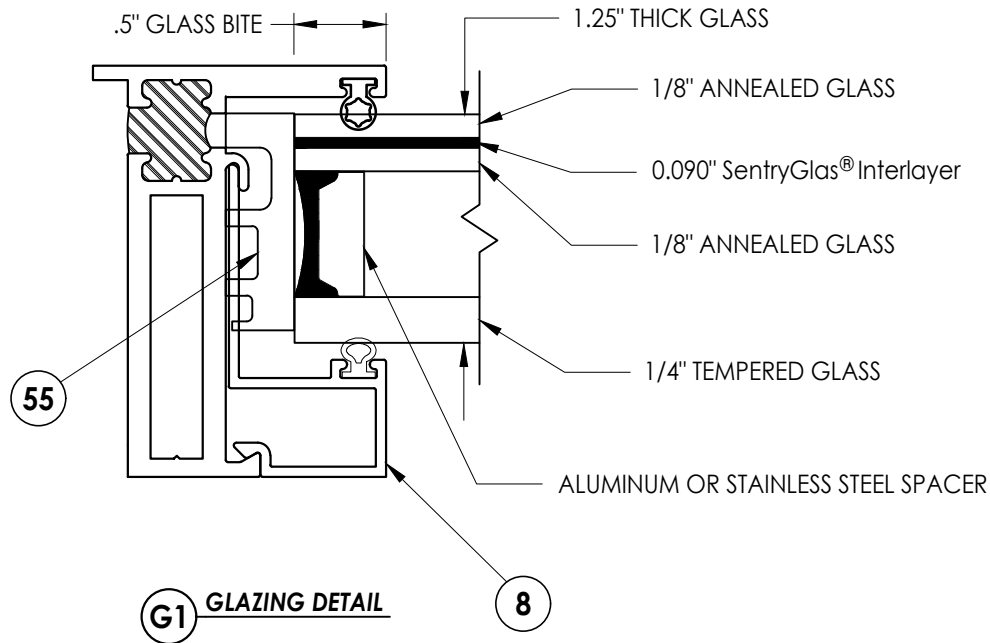
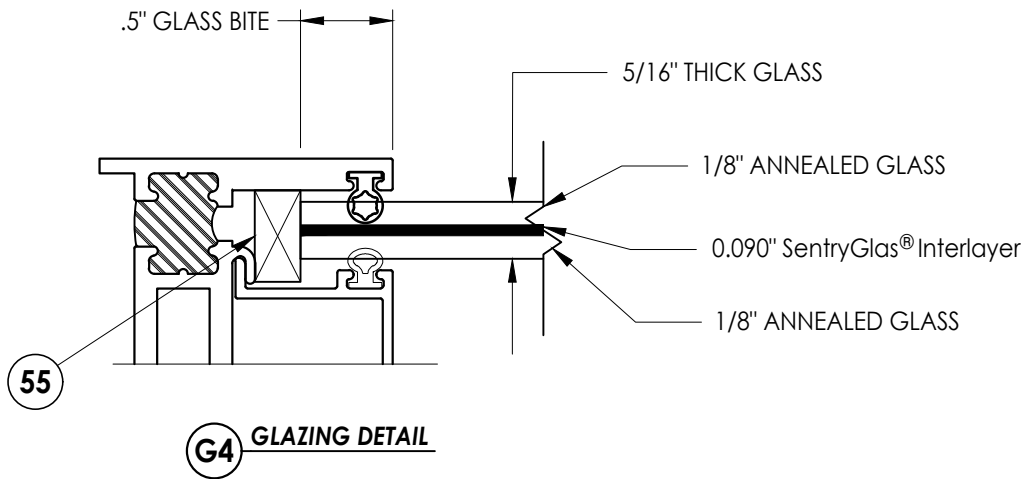
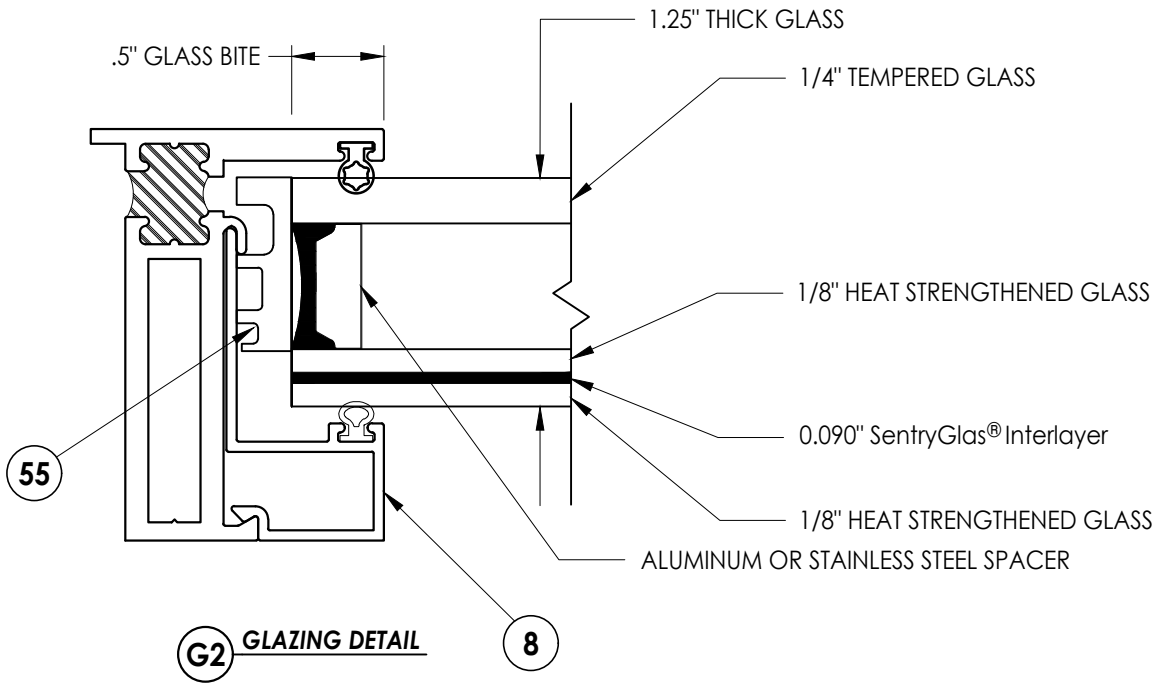
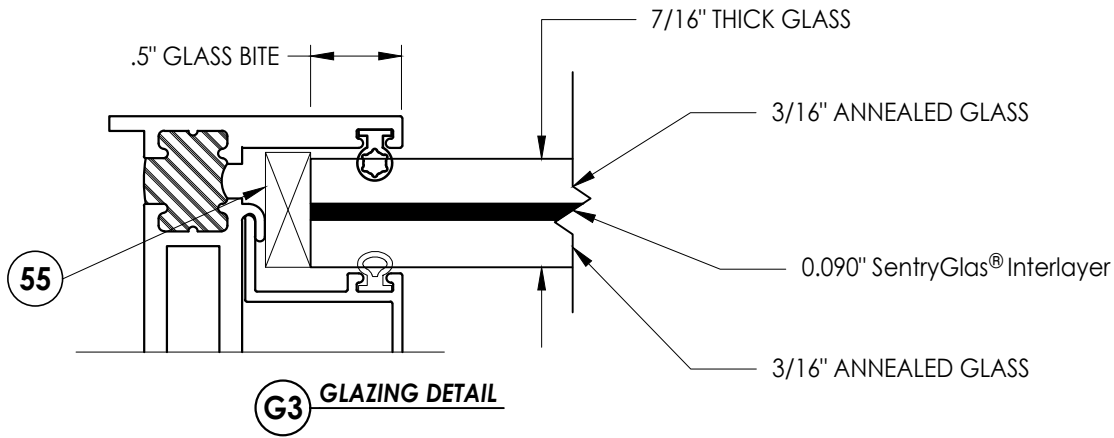
CHK. BY: LFS

DRAWING NO.:

FL-14907.2

SHEET 6 OF 8

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-14907 R11 Awning\FL-14907.1-3.dwg



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:

FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY:

GLAZING DETAILS

NO.	DATE	REVISIONS
7	7/12/23	UPDATE TO 8TH ED. (2023) FBC
6	12/08/21	SERIES NAME CHANGE
5	8/10/20	UPDATE TO 7th ED. (2020) FBC
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC
3	8/22/16	RENUMBER DRAWINGS
2		
1		

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

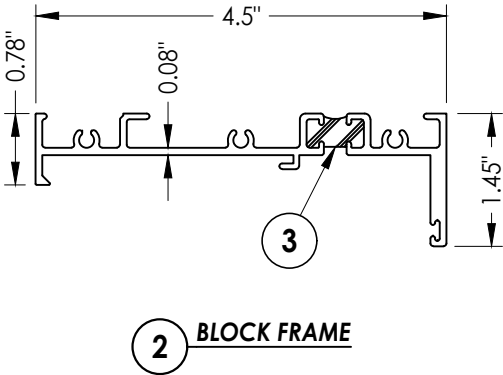
CHK. BY: LFS

DRAWING NO.:

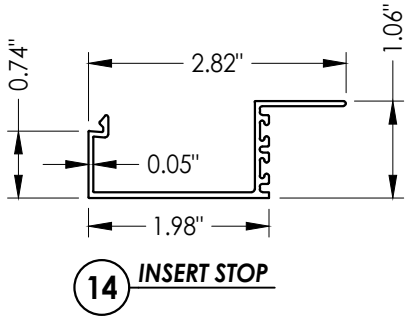
FL-14907.2

SHEET 7 OF 8

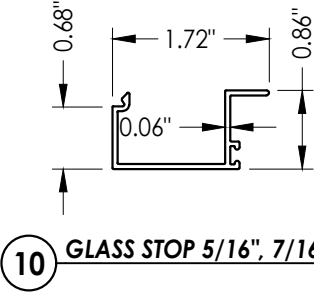
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH WOOD SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
G	1/4" X 2-1/4" DeWALT OR ITW PFH CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#8 PPH SMS (1-3/8" MIN. EMBEDMENT)	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.)	-
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
19	2 BAR HINGE	SS
21	4 BAR HINGE	SS
22	SNUBBER-COMMERCIAL PULL-IN BLOCK	SS
23	MULTIPOINT LOCK HANDLE	SS
24	1 POINT LOCKING BAR (TRUTH)	SS
25	2 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	MACHINE SCREW NO 10-32, FHP .75"	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	-



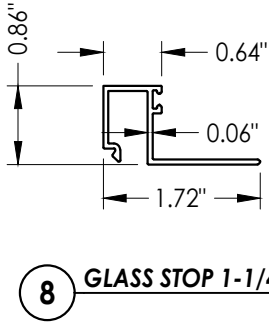
2 BLOCK FRAME



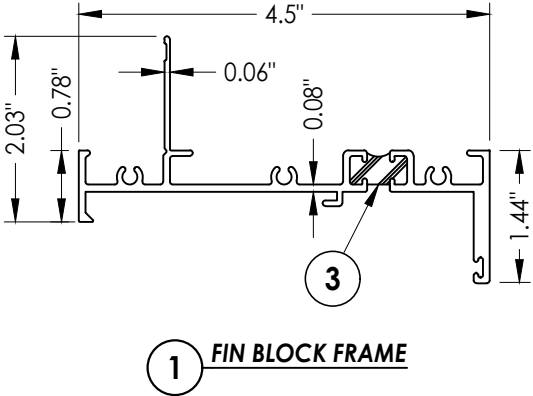
14 INSERT STOP



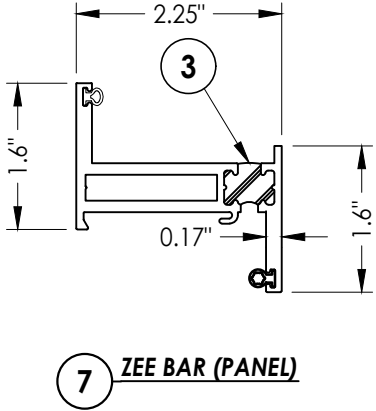
10 GLASS STOP 5/16", 7/16"



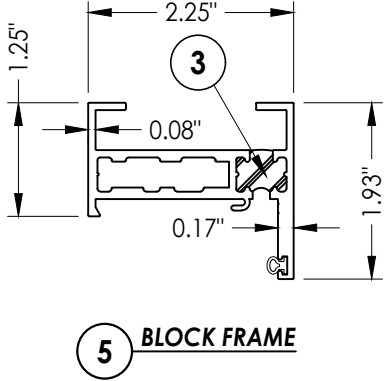
8 GLASS STOP 1-1/4"



1 FIN BLOCK FRAME



7 ZEE BAR (PANEL)



5 BLOCK FRAME

DATE: 10/23/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14907.2

SHEET 8 OF 8

PRODUCT: FLEETWOOD WINDOWS AND DOORS

PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS

NO.	DATE	REVISIONS
7	7/12/23	UPDATE TO 8TH ED. (2023) FBC
6	12/08/21	SERIES NAME CHANGE
5	8/10/20	UPDATE TO 7th ED. (2020) FBC
4	8/07/17	UPDATE TO 6TH ED. (2017) FBC
3	8/22/16	RENUMBER DRAWINGS
2		
1		

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