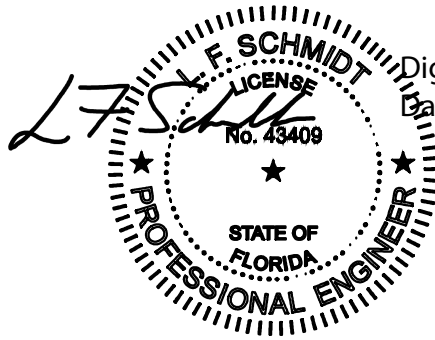


Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-15560 R12 Sliding Patio Door\FL-15560.8-.10.dwg

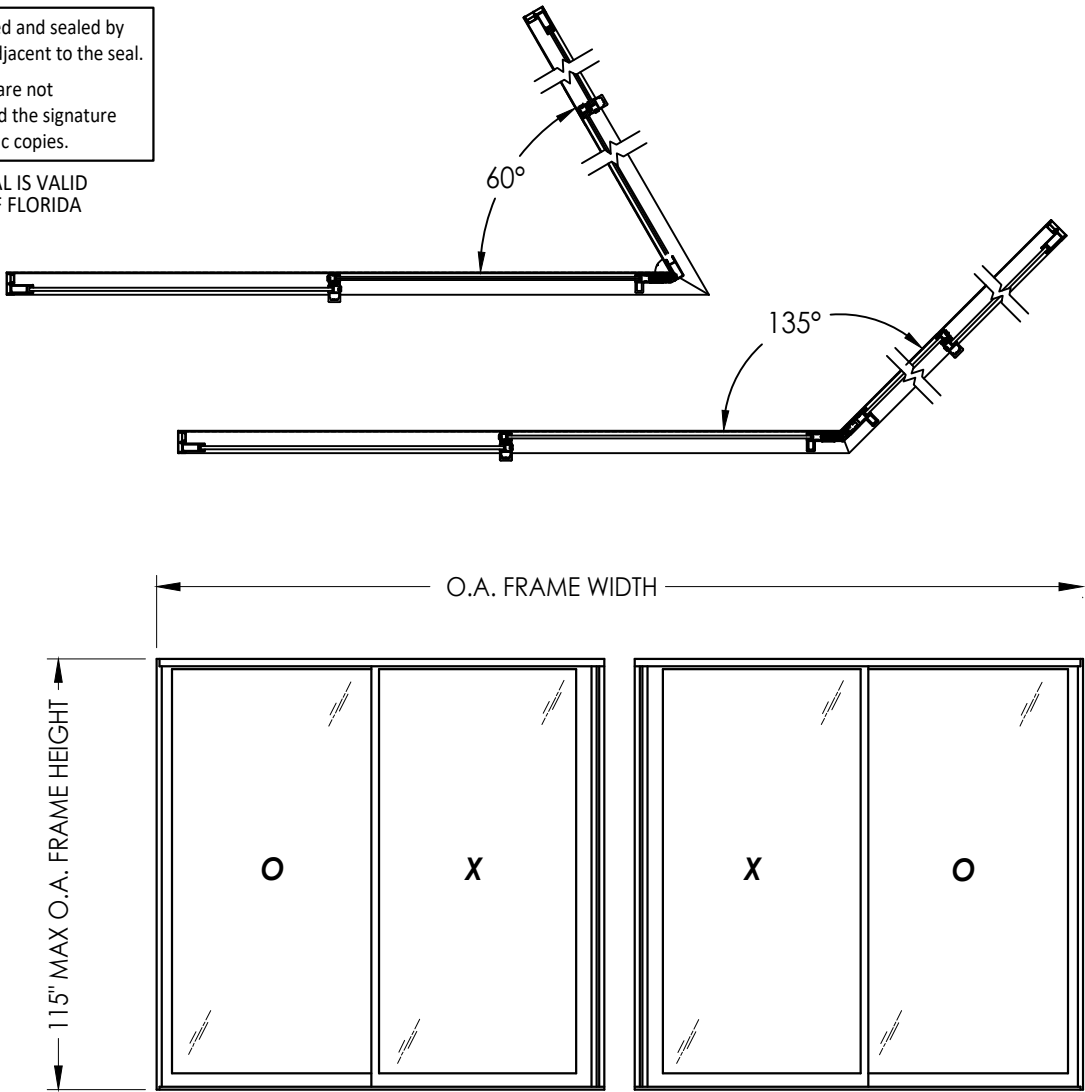


Digitally signed by Lyndon F Schmidt
Date: 2023.07.12 17:12:32 -04'00'

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

Series 3070-HI Sliding Glass Door w/ 60° or 135° Outside Corner "NON-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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- 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	Horizontal cross sections
4	Vertical cross sections
5	Buck anchoring
6	Frame anchoring
7	Components
8	Bill of materials and glazing details

CORNER	MAX PANEL DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
60°	60.75" X 98.25"	52.63" X 91.5"	G1	+55.0	-55.0
	51.12" X 113.25"	43.0" X 106.5"	G1	+55.0	-55.0
135°	60.75" X 98.25"	52.63" X 91.5"	G1	+53.3	-53.3
	51.12" X 113.25"	43.0" X 106.5"	G1	+53.3	-53.3

Note: 2 + 2 Panels shown, however, any combination of fixed and operable panels is allowed. There is not a limit on the number of panels.

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 & DOORS

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

LFS	DAC	LFS	JK	JK	BY
5	7/12/23	UPDATE TO 8TH ED. (2023)	FBC		
4	8/10/20	UPDATE TO 7TH ED. (2020)	FBC		
3	08/08/17	UPDATE TO 6TH ED. (2017)	FBC		
2	8/06/15	CLARIFY MAX PANEL SIZE & CHANGE NAME			
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC		
NO.	DATE				
REVISIONS					

DATE: 3/20/14

SCALE: N.T.S.

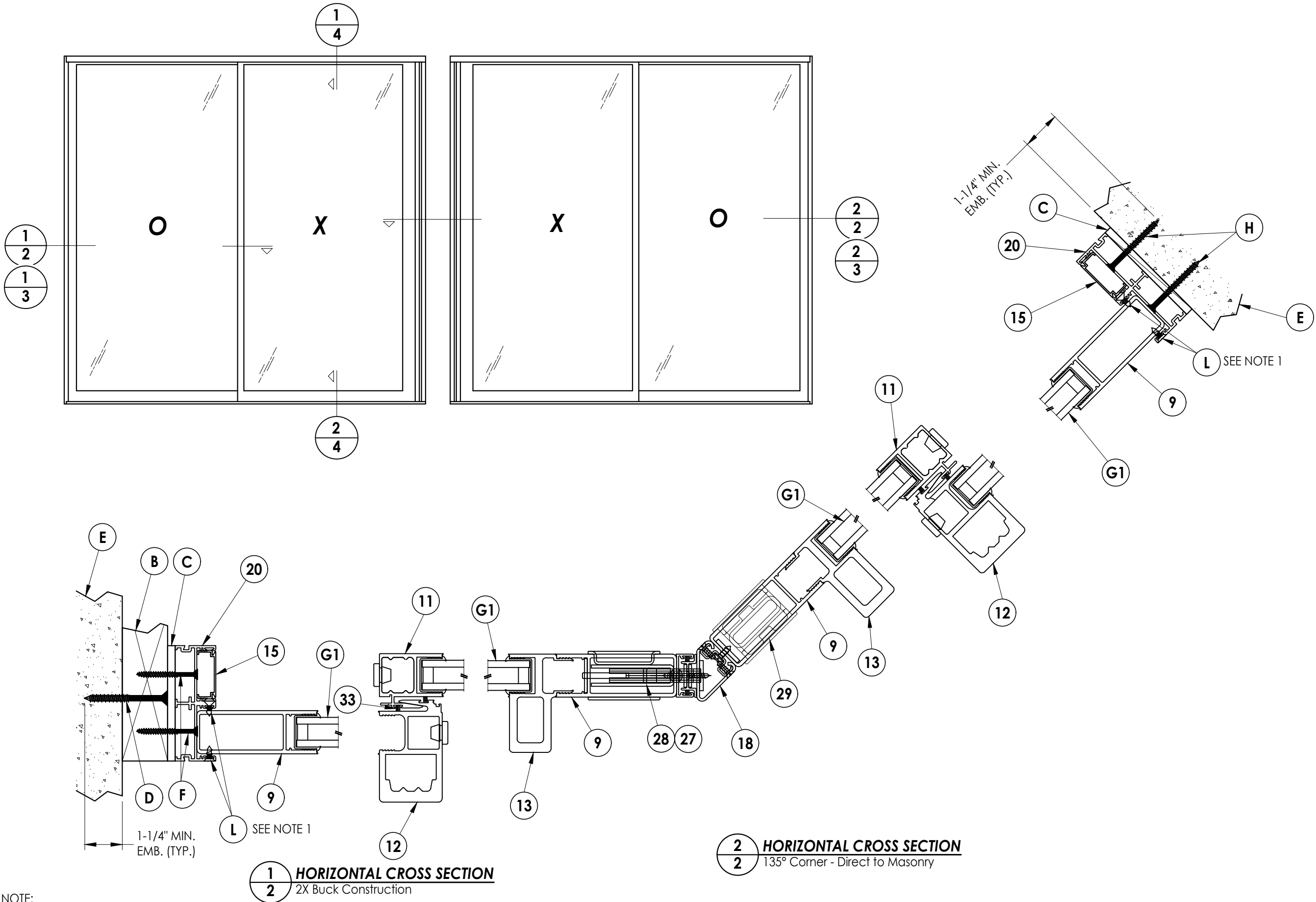
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15560.10

SHEET 1 OF 8

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-15560 R12 Sliding Patio Door\FL-15560.8-.10.dwg



NOTE:
1. Fixed panel screws located 39" from each end.

1 **HORIZONTAL CROSS SECTION**
2 2X Buck Construction

2 **HORIZONTAL CROSS SECTION**
2 135° Corner - Direct to Masonry

NO.	DATE	REVISIONS
5	7/12/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/10/20	UPDATE TO 7th ED. (2020) FBC DAC
3	08/08/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	8/06/15	CLARIFY MAX PANEL SIZE & JK
1	04/22/15	CHANGE NAME JK
		UPDATE TO 5TH ED. (2014) FBC JK
		BY

DATE: 3/20/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-15560.10

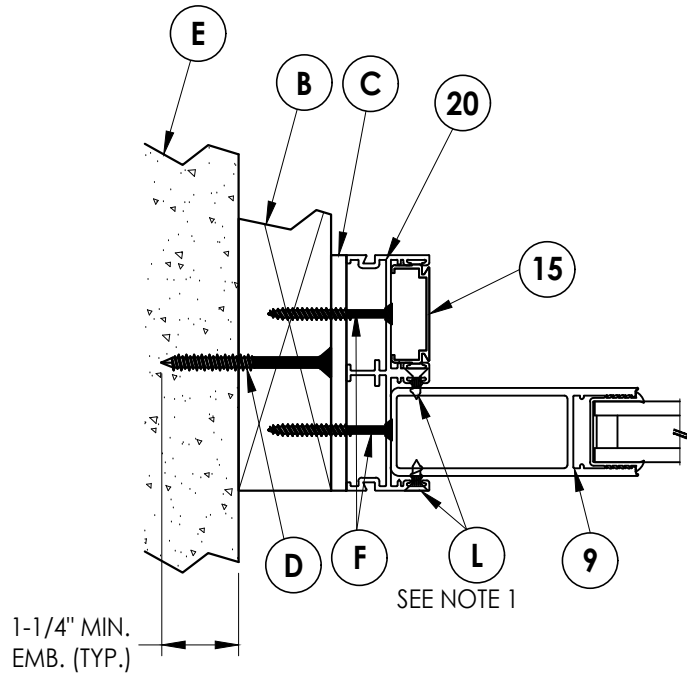
SHEET 2 OF 8

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

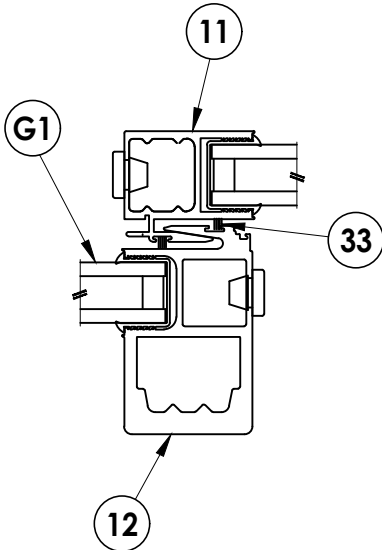
PRODUCT:
FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

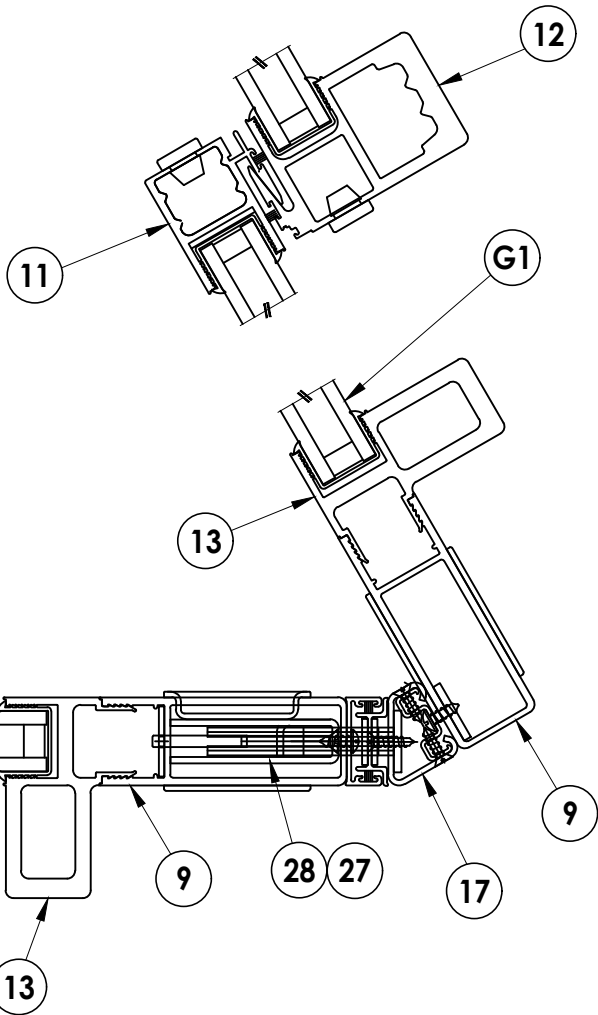
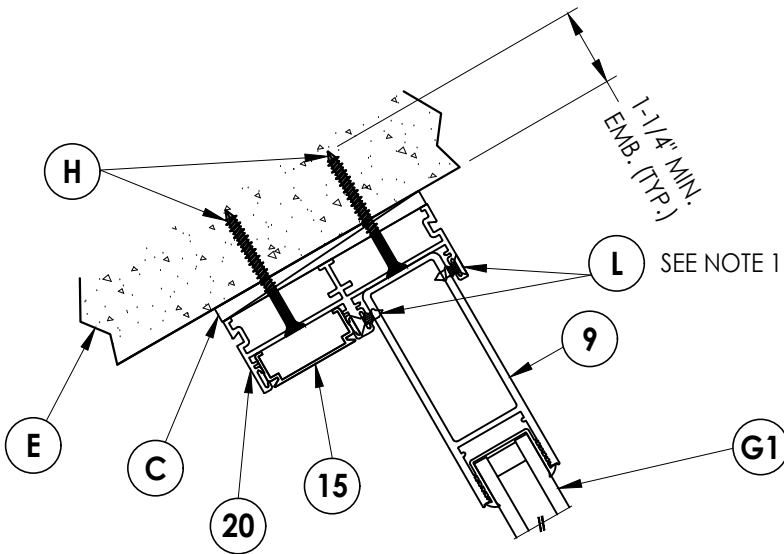
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



1 **HORIZONTAL CROSS SECTION**
3 2X Buck Construction



2 **HORIZONTAL CROSS SECTION**
3 60° Corner - Direct to Masonry



NOTE:
1. Fixed panel screws located 39" from each end.

NO.	DATE	REVISIONS
5	7/12/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/10/20	UPDATE TO 7th ED. (2020) FBC DAC
3	08/08/17	UPDATE TO 6TH ED. (2017) FBC LFS
2	8/06/15	CLARIFY MAX PANEL SIZE & JK
1	04/22/15	CHANGE NAME JK
		UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/20/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15560.10

SHEET 3 OF 8

PRODUCT:

FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:

HORIZONTAL
CROSS SECTIONS

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

RW

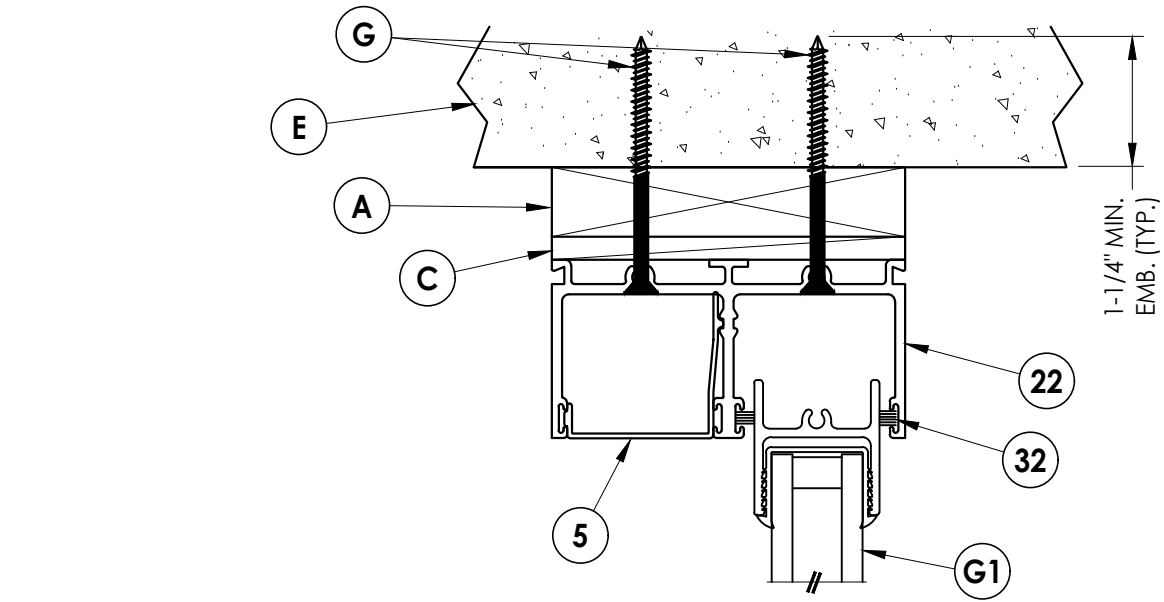
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

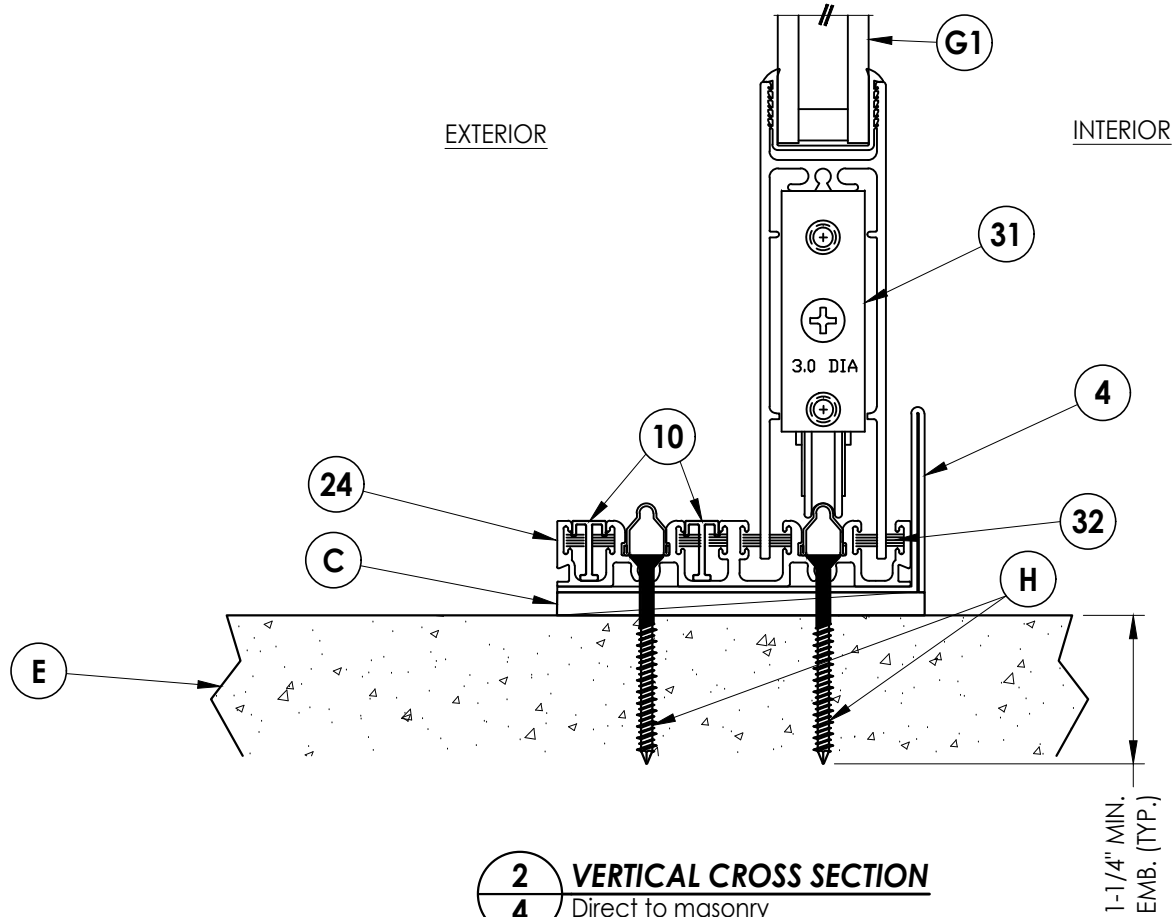
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FBPE Registry No. 9813

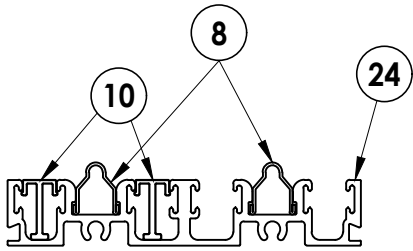
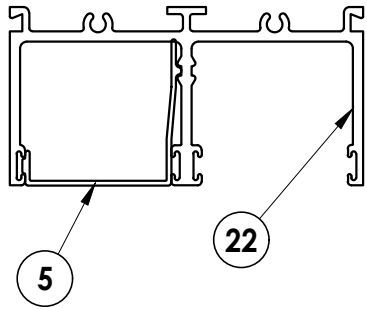
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1
4 **VERTICAL CROSS SECTION**
1X Buck Construction



2
4 **VERTICAL CROSS SECTION**
Direct to masonry



HEAD & SILL COVER CONDITION

NOTE:
1. A full-depth cut-out (1" wide x 3/16" tall) in track base is necessary to allow for water drainage (12" from each end and 24" o.c.).

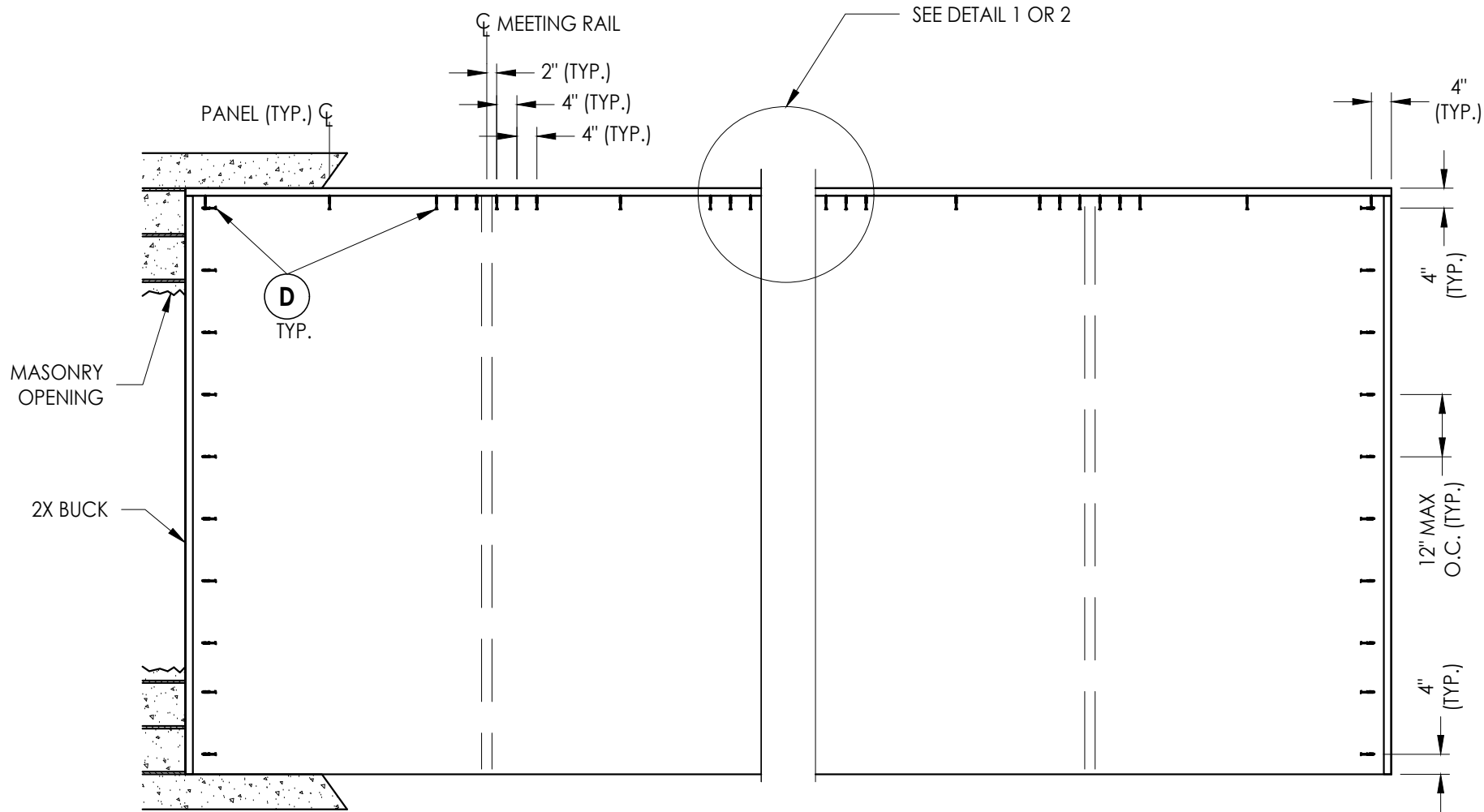
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4	8/10/20	UPDATE TO 7th ED.(2020) FBC
3	08/08/17	UPDATE TO 6TH ED. (2017) FBC
2	8/06/15	CLARIFY MAX PANEL SIZE & CHANGE NAME
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC
	NO.	DATE

DATE:	3/20/14
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15560.10
SHEET	4 OF 8

PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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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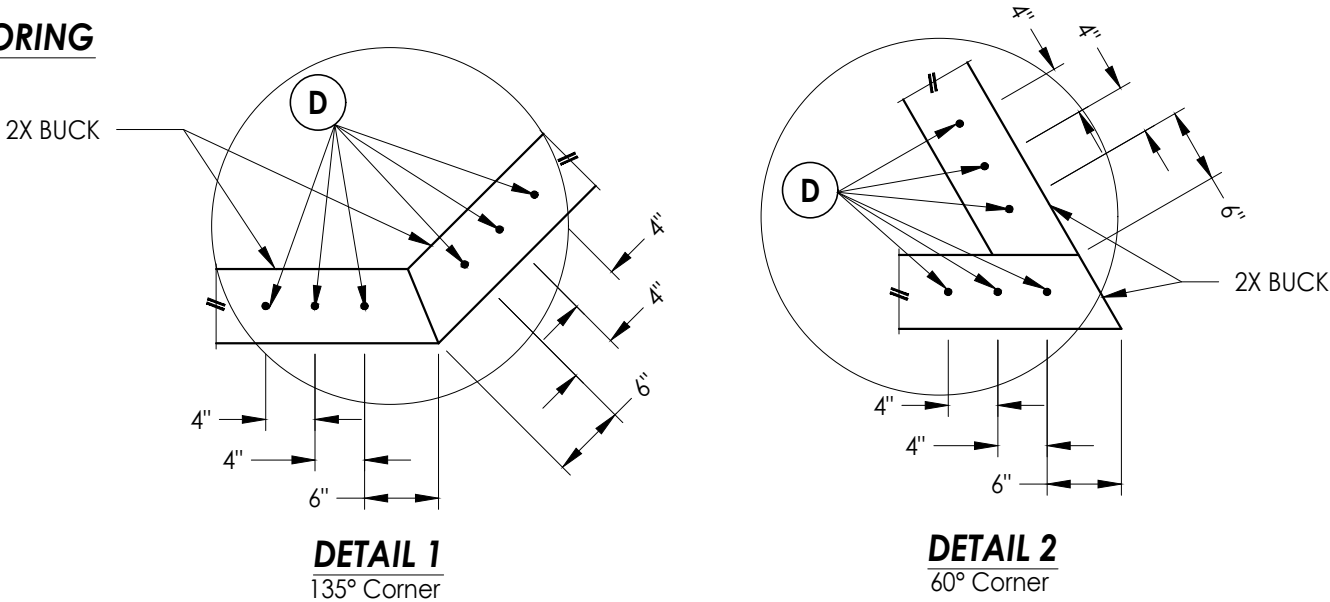


2X BUCK ANCHORING

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"	2-1/2"	4"



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RW BUILDING CONSULTANTS, INC.

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

PRODUCT:

FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:

BUCK ANCHORING

NO.	DATE	CHANGE NAME	UPDATE TO 5TH ED. (2014)	FBC	JK	BY
5	7/12/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		
4	8/10/20	UPDATE TO 7TH ED. (2020)	FBC	DAC		
3	08/08/17	UPDATE TO 6TH ED. (2017)	FBC	LFS		
2	8/06/15	CLARIFY MAX PANEL SIZE &		JK		
1	04/22/15	UPDATE TO 5TH ED. (2014)	FBC	JK		

DATE: 3/20/14

SCALE: N.T.S.

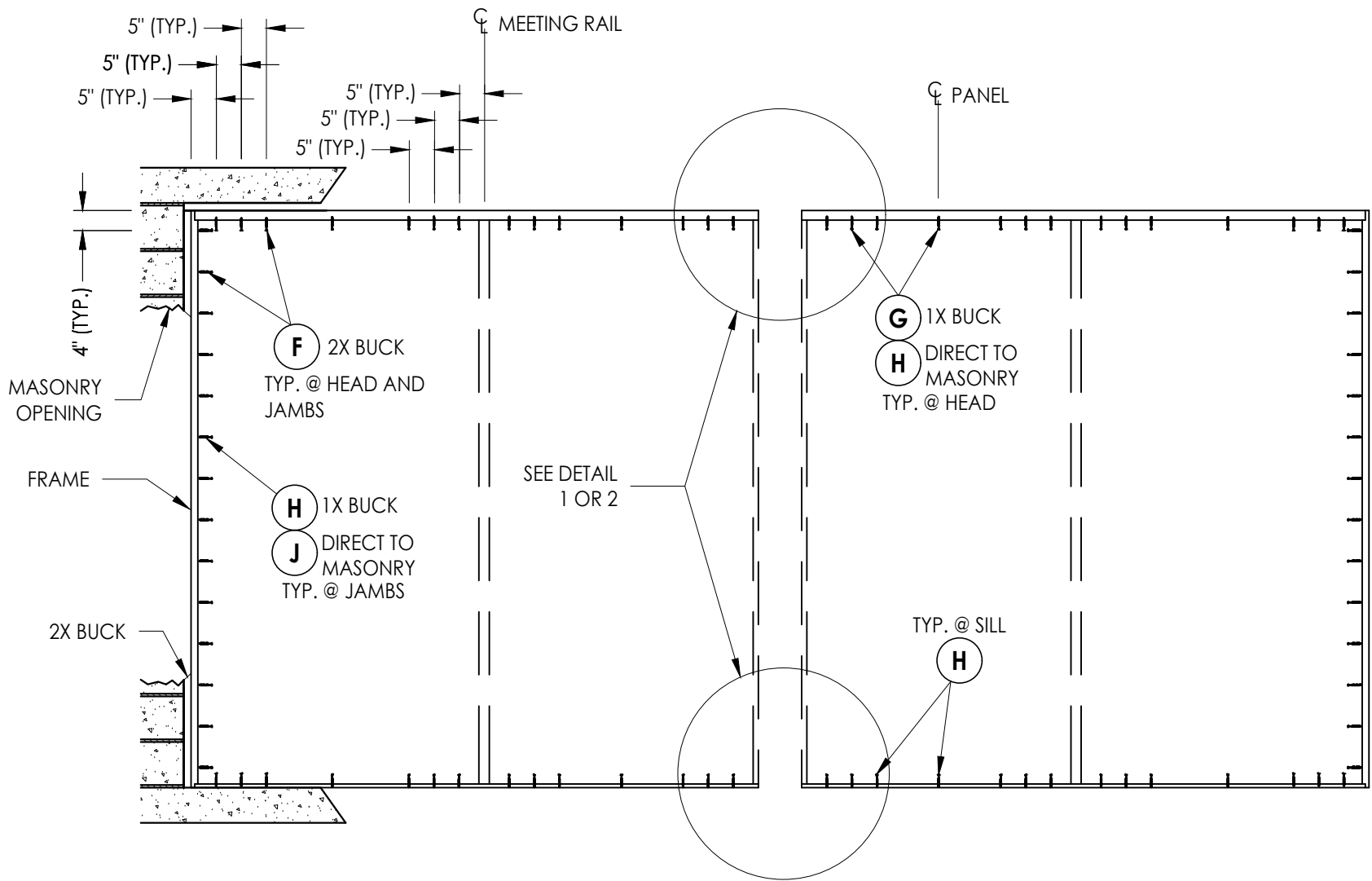
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CHK. BY: LFS

DRAWING NO.:
FL-15560.10

SHEET 5 OF 8

Z:\2023 FBC Drawings\Fleetwood Windows & Doors\FL-15560 R12 Sliding Patio Door\FL-15560.8-.10.dwg



FRAME ANCHORING

(NOTE: 1 ANCHOR REQUIRED PER EACH TRACK RUN @ EACH LOCATION)

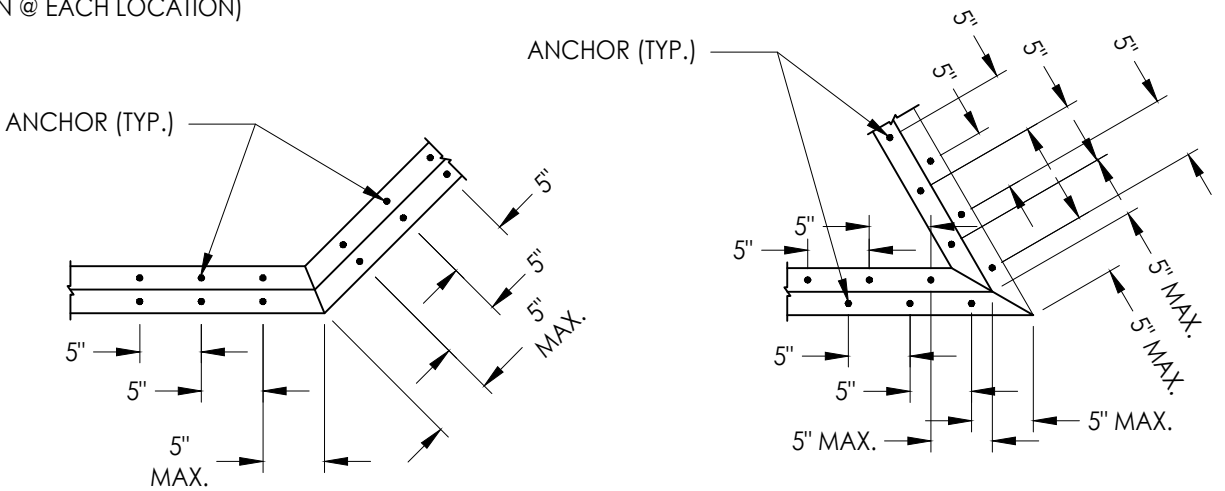
CONCRETE ANCHOR NOTES:

- 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®	3/16"	1-1/4"	2"	1-7/8"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 3/4" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



DETAIL 1

135° Corner

DETAIL 2

60° Corner

Documents Prepared By:

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

FLEETWOOD WINDOWS & DOORS

PART OR ASSEMBLY:

FRAME ANCHORING

LFS	UPDATE TO 8TH ED. (2023)	FBC
DAC	UPDATE TO 7TH ED. (2020)	FBC
LFS	UPDATE TO 6TH ED. (2017)	FBC
JK	CLARIFY MAX PANEL SIZE &	
	CHANGE NAME	
JK	UPDATE TO 5TH ED. (2014)	FBC
BY		
REVISIONS		
NO.	DATE	

DATE: 3/20/14

SCALE: N.T.S.

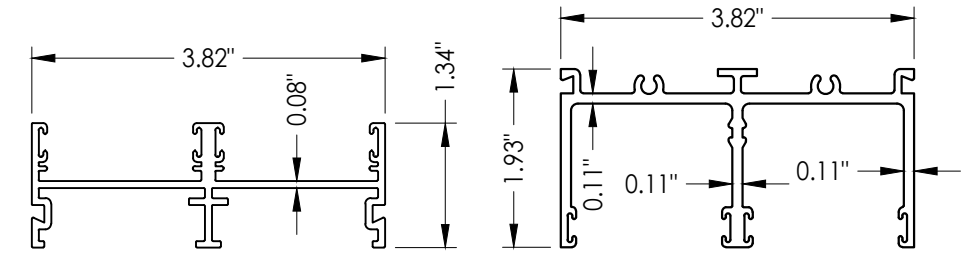
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CHK. BY: LFS

DRAWING NO.: FL-15560.10

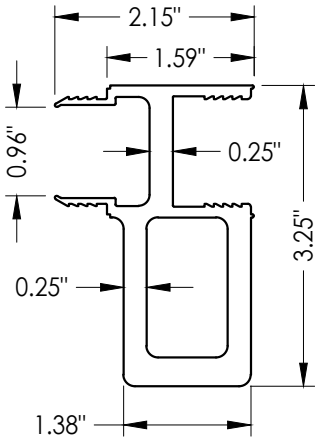
SHEET 6 OF 8

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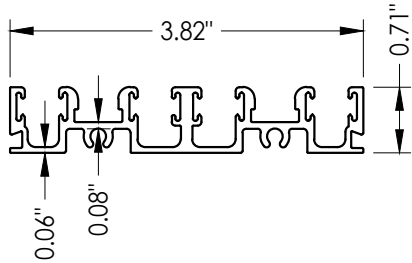


20 JAMB TRACK
2 Runs

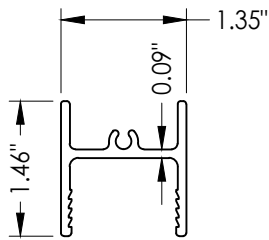
22 HEAD TRACK
2 Runs



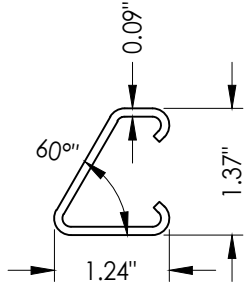
13 WINDLOAD ADAPTER



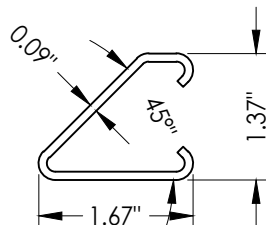
2 SILL TRACK
2 Runs



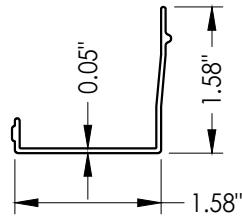
6 TOP RAIL



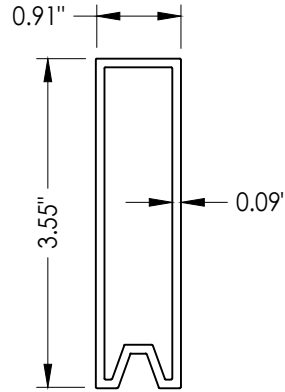
17 60° YOKE



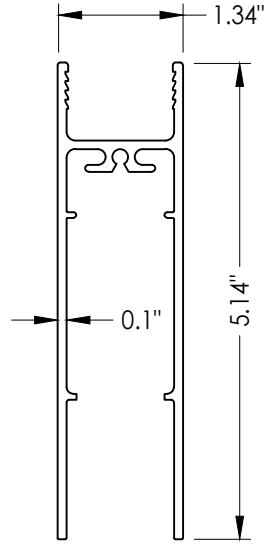
18 135° YOKE



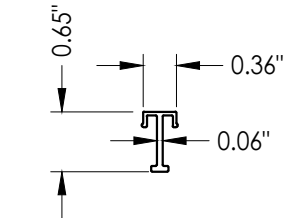
5 HEAD CHANNEL FILLER



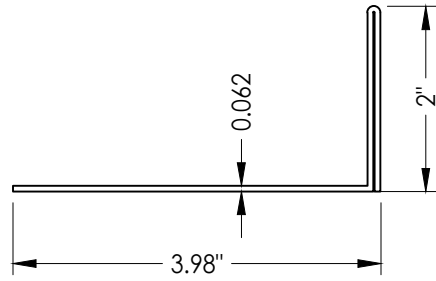
30 PANEL SETTING BLOCK



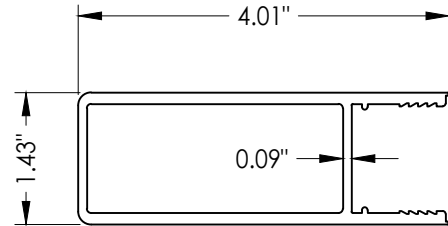
7 BOTTOM RAIL



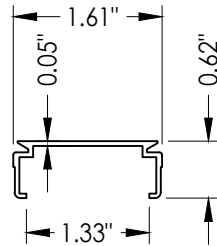
10 SILL CHANNEL FILLER



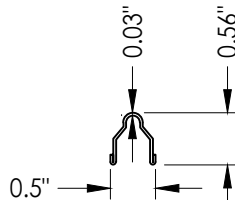
4 SILL PAN



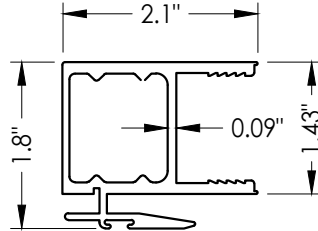
9 STILE



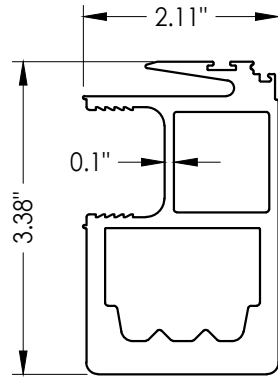
15 JAMB CHANNEL FILLER



8 TRACK



11 INTERLOCK STILE
Standard



12 INTERLOCK STILE
High Performance

NO.	DATE	REVISIONS	BY	JK	FBC	(2014)	CHANGE NAME	JK	FBC	(2017)	CLARIFY MAX PANEL SIZE &	JK	FBC	(2020)	DAC	FBC	(2023)	LFS	PRODUCT:
5	7/12/23	UPDATE TO 8TH ED.																	FLEETWOOD WINDOWS & DOORS
4	8/10/20	UPDATE TO 7TH ED.																	
3	08/08/17	UPDATE TO 6TH ED.																	
2	8/06/15	CLARIFY MAX PANEL SIZE &																	
1	04/22/15	UPDATE TO 5TH ED.																	

DATE: 3/20/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15560.10

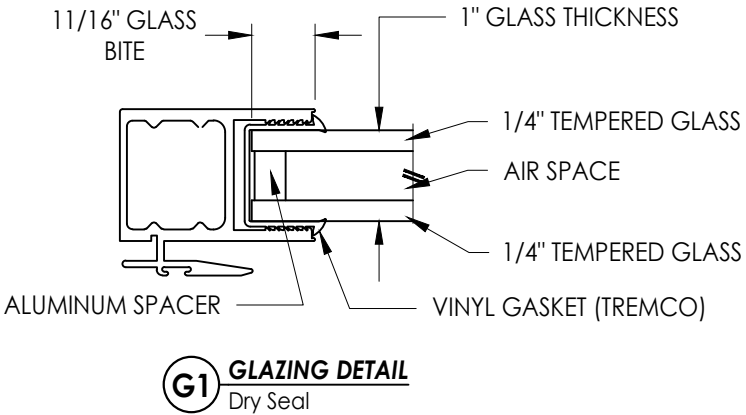
SHEET 7 OF 8

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 FBC Drawings\Fleetwood Windows & Doors\FL-15560 R12 Sliding Patio Door\FL-15560.8-.10.dwg

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" PFH SMS (1" MIN. EMBEDMENT)	STEEL
G	3/16" X 2-3/4" ITW PFH CONCRETE SCREW	STEEL
H	3/16" X 2-1/4" ITW PFH CONCRETE SCREW	STEEL
J	3/16" X 3-1/4" ITW PFH CONCRETE SCREW	STEEL
K	1/4" X 1- 3/4" DeWALT PFH CONCRETE SCREW	STEEL
L	#8 X 1/2" PFH SMS	STEEL
4	SILL PAN (2 RUNS)	5052 -ALUM
5	HEAD CHANNEL FILLER	6063-T6 ALUM
6	TOP RAIL	6063-T6 ALUM
7	BOTTOM RAIL	6063-T6 ALUM
8	TRACK	S.S.
9	STILE	6063-T6 ALUM
10	SILL CHANNEL FILLER	6063-T6 ALUM
11	STANDARD INTERLOCK STILE	6063-T6 ALUM
12	HIGH PERFORMANCE INTERLOCK STILE	6063-T6 ALUM
13	WINDLOAD ADAPTER	6063-T6 ALUM
15	JAMB CHANNEL FILLER	6063-T6 ALUM
17	60° YOKE	6063-T6 ALUM
18	135° YOKE	6063-T6 ALUM
20	JAMB TRACK (2 RUNS)	6063-T6 ALUM
22	HEAD TRACK (2 RUNS)	6063-T6 ALUM
24	SILL TRACK (2 RUNS)	6063-T6 ALUM
26	#8 X 3/4" PPH SMS	STEEL
27	PRIMARY LATCH	-
28	SECONDARY LATCH	-
29	HANDLE SET	-
30	PANEL SETTING BLOCK	6063-T6 ALUM
31	MAMMOTH ROLLER ASSEMBLY	-
32	CENTER-FIN WEATHERSEAL .290 HIGH PILE (AMESBURY 43629-270)	-
33	HEAVY DENSITY WEATHERSEAL .300 HIGH PILE (AMESBURY 413330-270)	-



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 & DOORS		PART OR ASSEMBLY: BILL OF MATERIALS AND GLAZING DETAILS		
5	7/12/23	UPDATE TO 8TH ED. (2023) FBC	LFS	JK
4	8/10/20	UPDATE TO 7th ED.(2020) FBC	DAC	JK
3	08/08/17	UPDATE TO 6TH ED. (2017) FBC	LFS	JK
2	8/06/15	CLARIFY MAX PANEL SIZE &		
		CHANGE NAME		
1	04/22/15	UPDATE TO 5TH ED. (2014) FBC	JK	JK
NO.	DATE		BY	
REVISIONS				
DATE:		3/20/14		
SCALE:		N.T.S.		
DWG. BY:		JK		
CHK. BY:		LFS		
DRAWING NO.:		FL-15560.10		
SHEET		8	OF	8