

Series 3070-HI
Sliding Glass / Pocket Door
w/ 90°-135° Outside Corner
"NON-IMPACT"

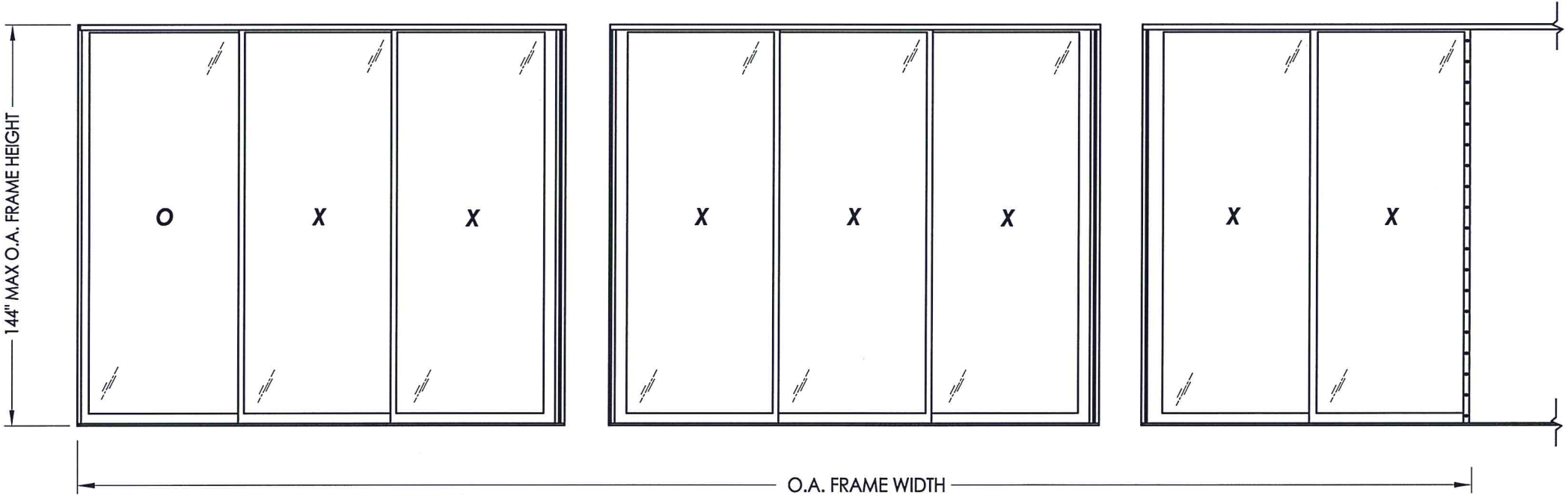
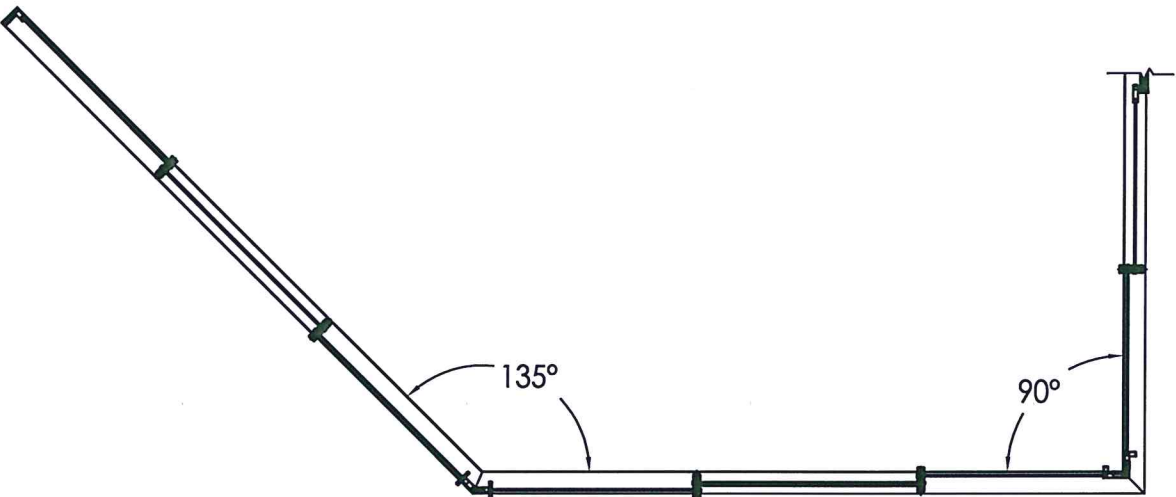


TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations & design pressures
2	General notes & elevation
3	Horizontal cross sections
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Components
10	Components
11	Bill of materials & glazing details

MAX PANEL DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
62.06" X 142.0"	56.5" X 135.5"	G1	+50.0	-55.0

Note: 3 + 3 + 2 Panels shown, however, any combination of fixed and operable panels is allowed. There is not a limit on the number of panels. In addition, panels may be combined w/ 90° up to 135° outside corners as necessary.

FL F SCHMIDT
LICENSE
No. 43409

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 10, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

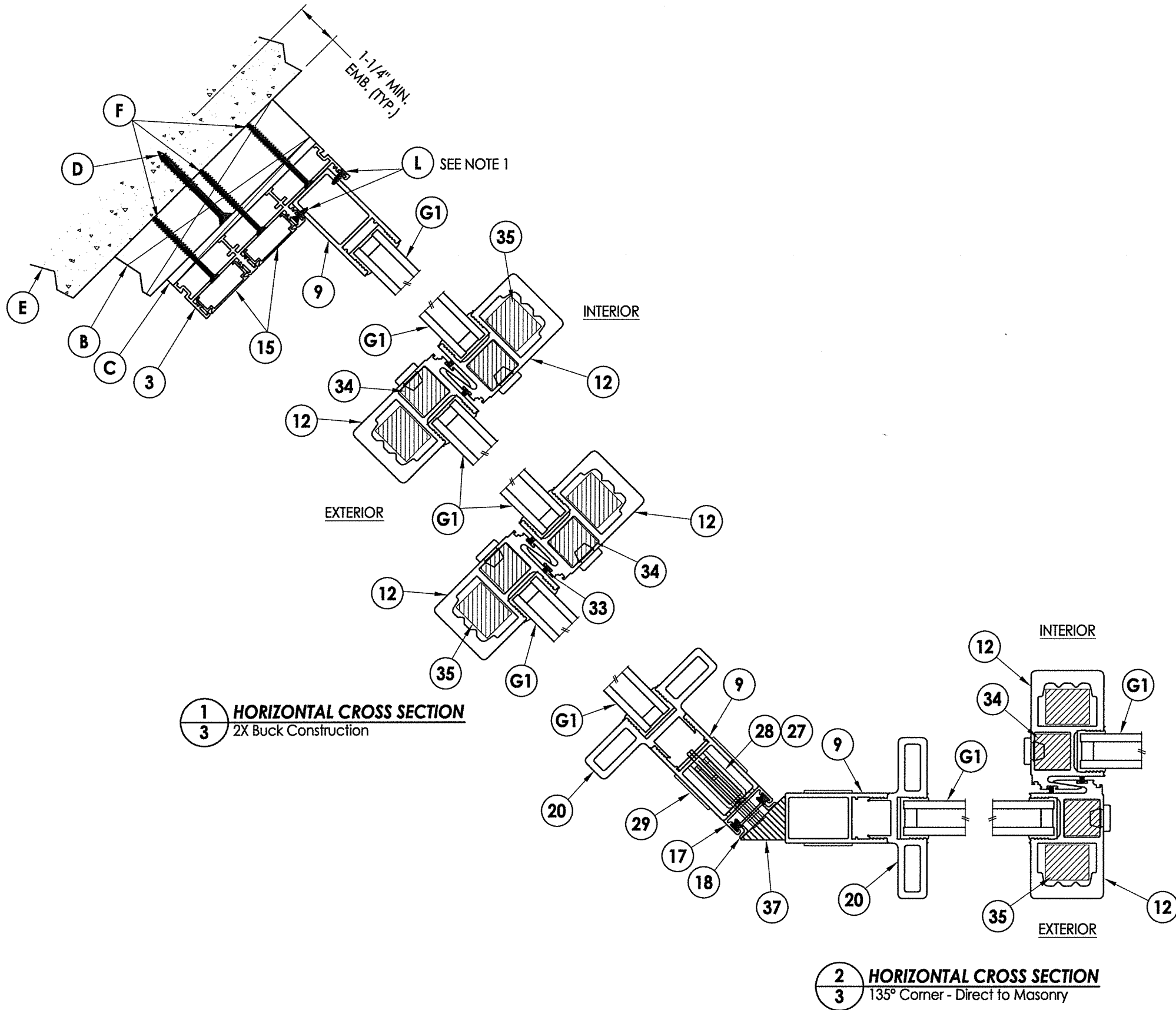
RW

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

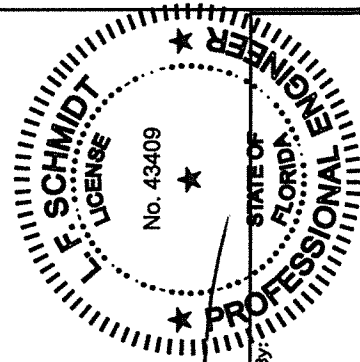
PRODUCT:		FLEETWOOD WINDOWS & DOORS	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DATE:		8/10/20	8/10/20
SCALE:		N.T.S.	N.T.S.
DWG. BY:		JK	JK
CHK. BY:		LFS	LFS
DRAWING NO.:		FL-15560.20	FL-15560.20
SHEET		1	OF 11

1. This product has been evaluated and is in compliance with the 7th Edition (2020) 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.

		August 10, 2020 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	
		RW			
<u>PRODUCT:</u> FLEETWOOD WINDOWS & DOORS		<u>PART OR ASSEMBLY:</u> GENERAL NOTES & ELEVATION			
				DAC	
				LFS	
				BY	
				REVISIONS	
				2	8/10/20 UPDATE TO 7TH ED. (2020) FBC
				1	08/08/17 UPDATE TO 6TH ED. (2017) FBC
				NO.	DATE
DATE: 03/10/16					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-15560.20					
SHEET <u>2</u> OF <u>11</u>					



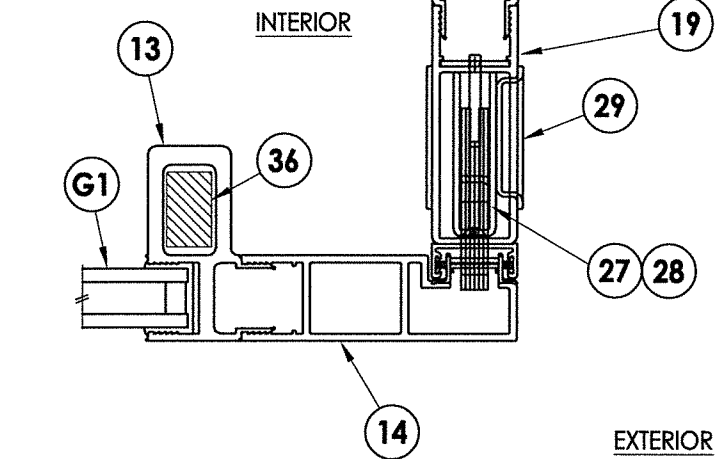
NOTE:
1. Fixed panel screws located 39" from each end.



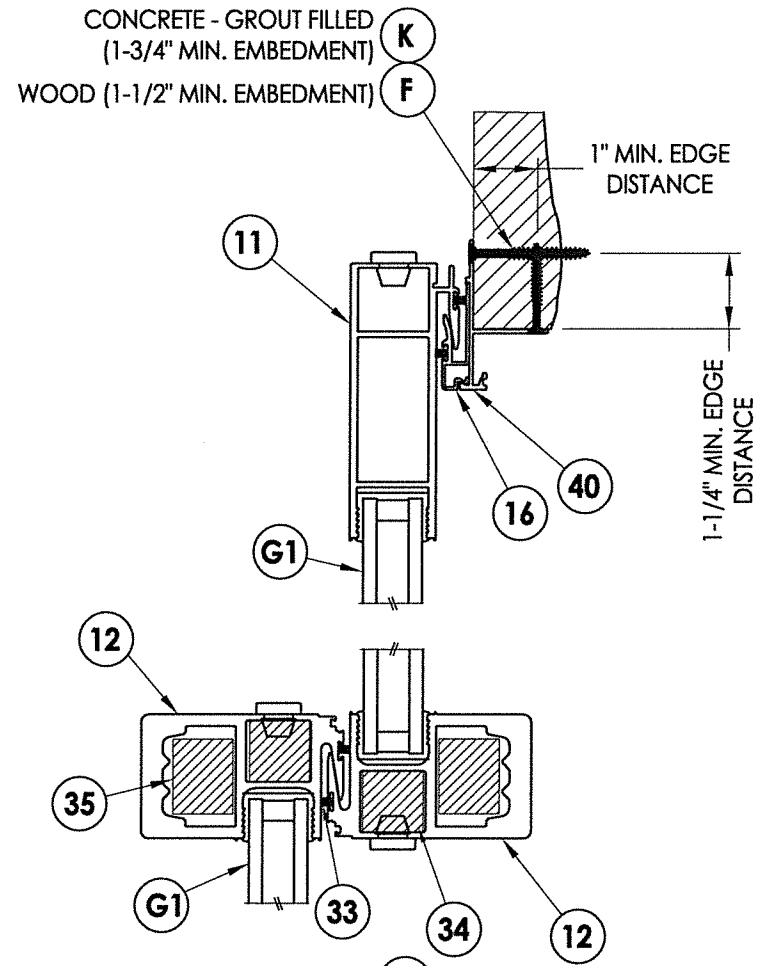
August 10, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:		FLEETWOOD WINDOWS & DOORS	
PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS	
DATE:		03/10/16	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-15560.20	
SHEET		3 OF 11	
REVISIONS			
NO.	DATE	DESCRIPTION	BY
2	8/10/20	UPDATE TO 7th ED. (2020) FBC	DAC
1	08/08/17	UPDATE TO 6TH ED. (2017) FBC	LFS



1 **HORIZONTAL CROSS SECTION**
4 90° Corner



CONCRETE - GROUT FILLED
(1-3/4" MIN. EMBEDMENT)
WOOD (1-1/2" MIN. EMBEDMENT)

1" MIN. EDGE
DISTANCE

1-1/4" MIN. EDGE
DISTANCE

A circular professional engineer seal for the State of Florida. The outer ring contains the text "L. F. SCHMIDT" on the left and "PROFESSIONAL ENGINEER" on the right, separated by two stars. The inner circle contains the text "No. 43409" and a single star. The words "STATE OF" and "FLORIDA" are positioned vertically on the right side of the seal. The seal is surrounded by a dashed line.

No. 43409

August 10, 2020

Documents Prepared by
Lyndon F. Schmidt
P.E. No. 43409

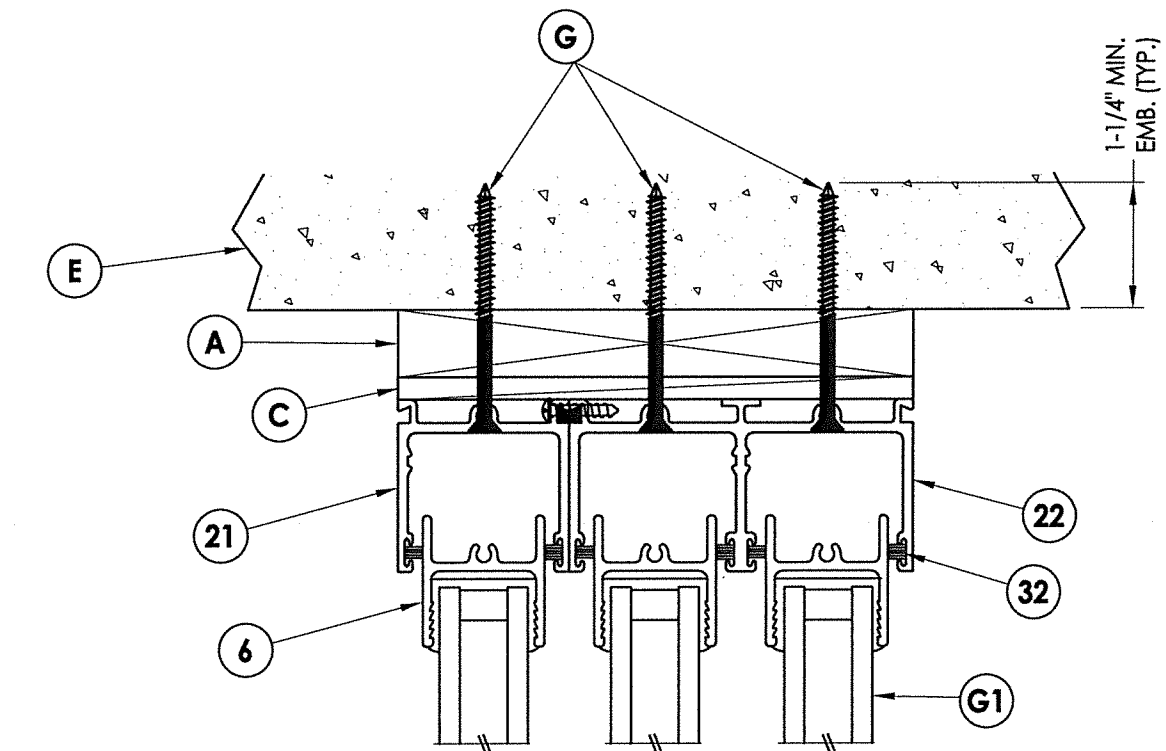
RCM BUILDING CONSULTANTS, INC.

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

Phone No.: 813.659.9197
FBPE Registry No. 9813

LIBRARY NO: 2010

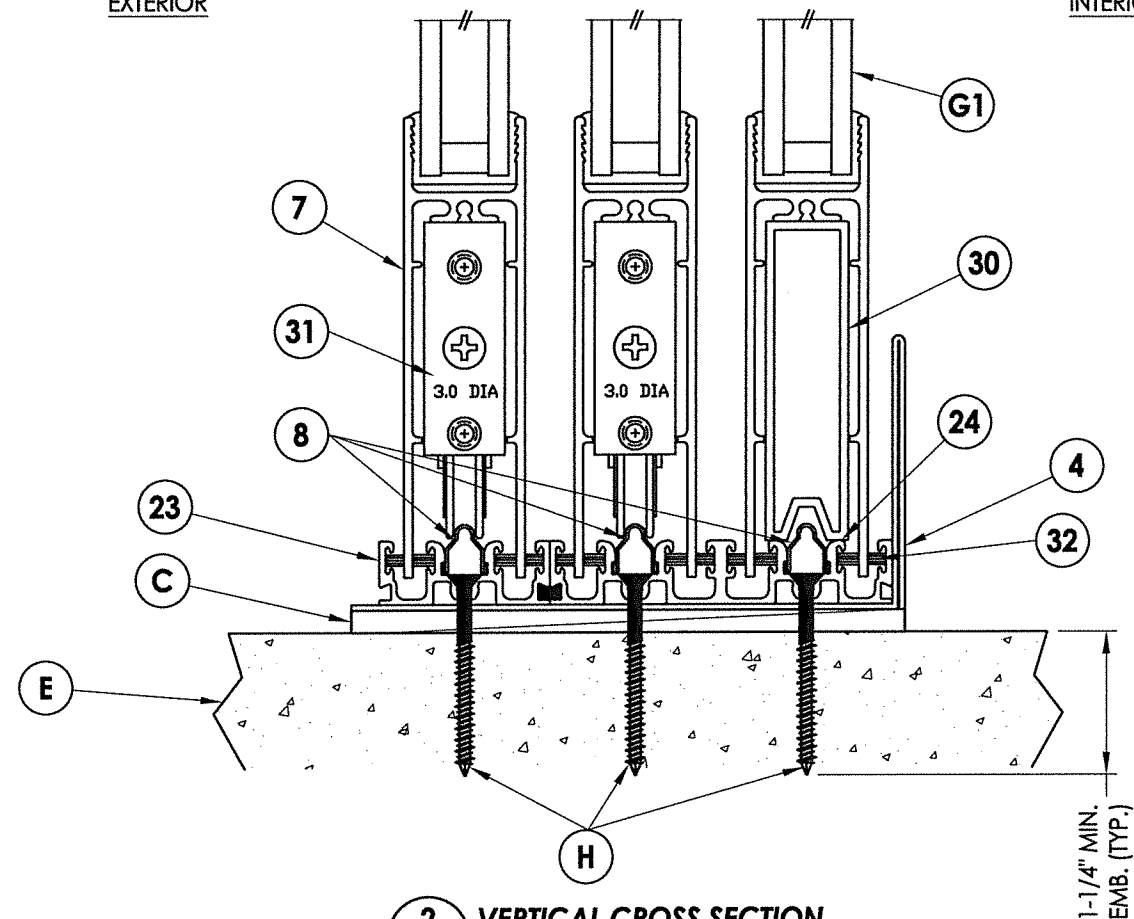
DATE: 03/10/16		PRODUCT:		FLEETWOOD WINDOWS & DOORS
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-15560.20				
SHEET 4 OF 11		PART OR ASSEMBLY:		HORIZONTAL CROSS SECTIONS
		2 8/10/20 UPDATE TO 7th ED. (2020) FBC		
		1 08/08/17 UPDATE TO 6TH ED. (2017) FBC		
		NO. DATE		
		BY		
		REVISIONS		



1 VERTICAL CROSS SECTION
5 1X Buck Construction

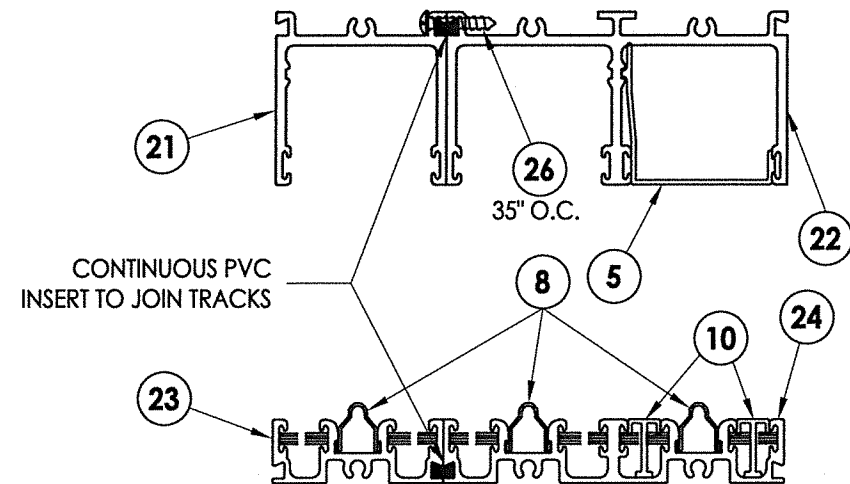
EXTERIOR

INTERIOR

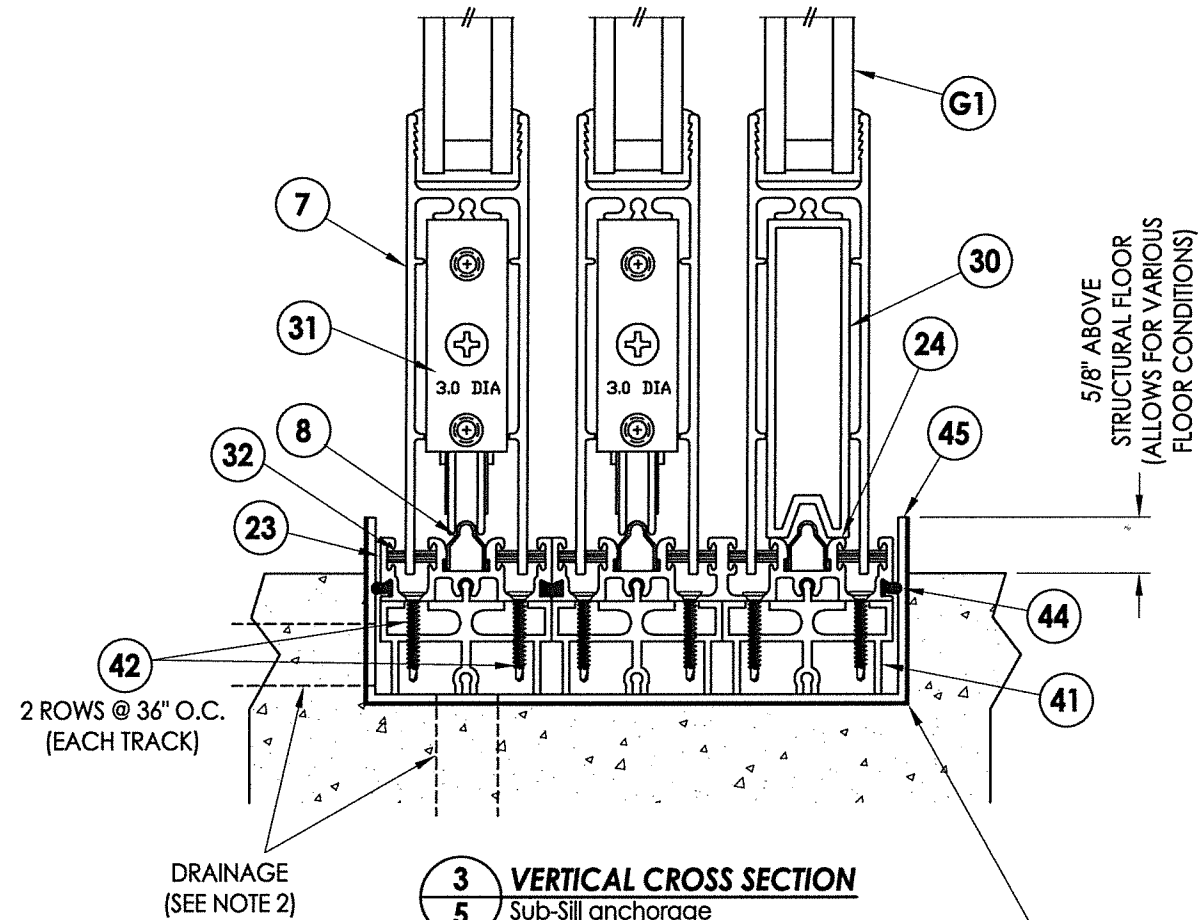


2 VERTICAL CROSS SECTION
5 Direct to masonry

1-1/4" MIN.
EMB. (TYP.)



HEAD & SILL COVER CONDITION

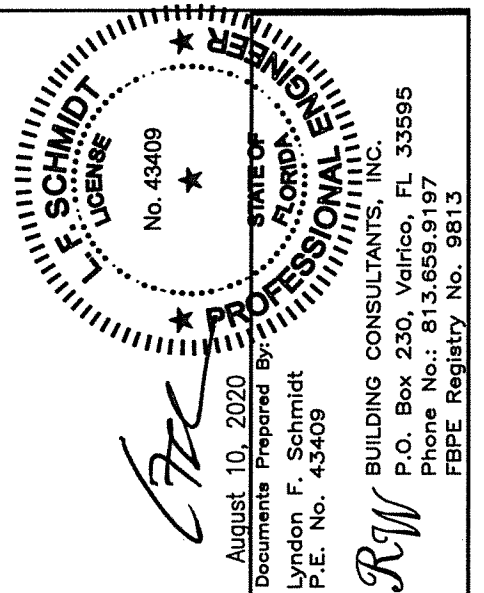


3 VERTICAL CROSS SECTION
5 Sub-Sill anchorage

SILL TRACK INSERTED INTO FINISHED FLOOR. THE DESIGN OF THE SUBSTRATE TO WITHSTAND WIND LOADS IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.

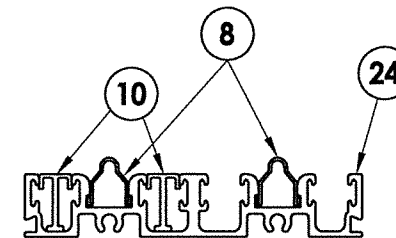
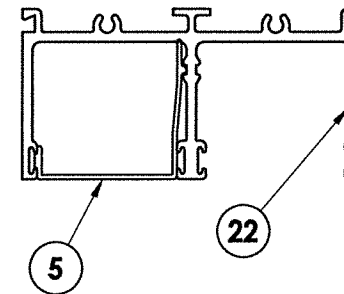
NOTES:

1. A full-depth cut-out (1" wide x 3/16" tall) in track base is necessary to allow for water drainage (6" from each end and 60" o.c.).
2. For Sub-sill, provide bottom or side drain, 1" NPT, for water drainage (8" from each end and 60" o.c.). Drainage system design by others.

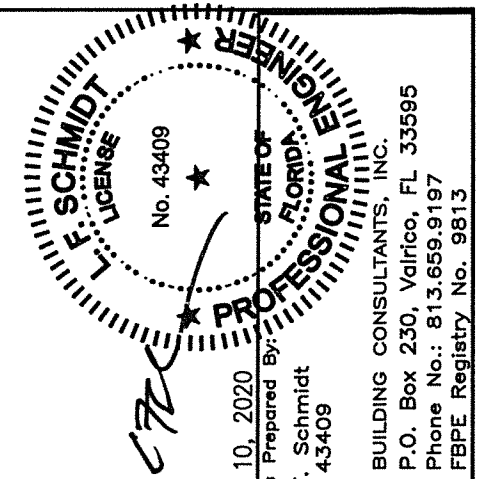


DATE: 03/10/16		PRODUCT:		FLEETWOOD WINDOWS & DOORS
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-15560.20		PART OR ASSEMBLY:		
SHEET 5 OF 11		2 8/10/20 UPDATE TO 7th ED. (2020) FBC 1 08/08/17 UPDATE TO 6TH ED. (2017) FBC NO. DATE BY		VERTICAL CROSS SECTIONS
		REVISIONS		

2 VERTICAL CROSS SECTION
6 Direct to masonry



NOTE:
1. A full-depth cut-out (1" wide x 3/16" tall) in track base is necessary to allow for water drainage (6" from each end and 60" o.c.).



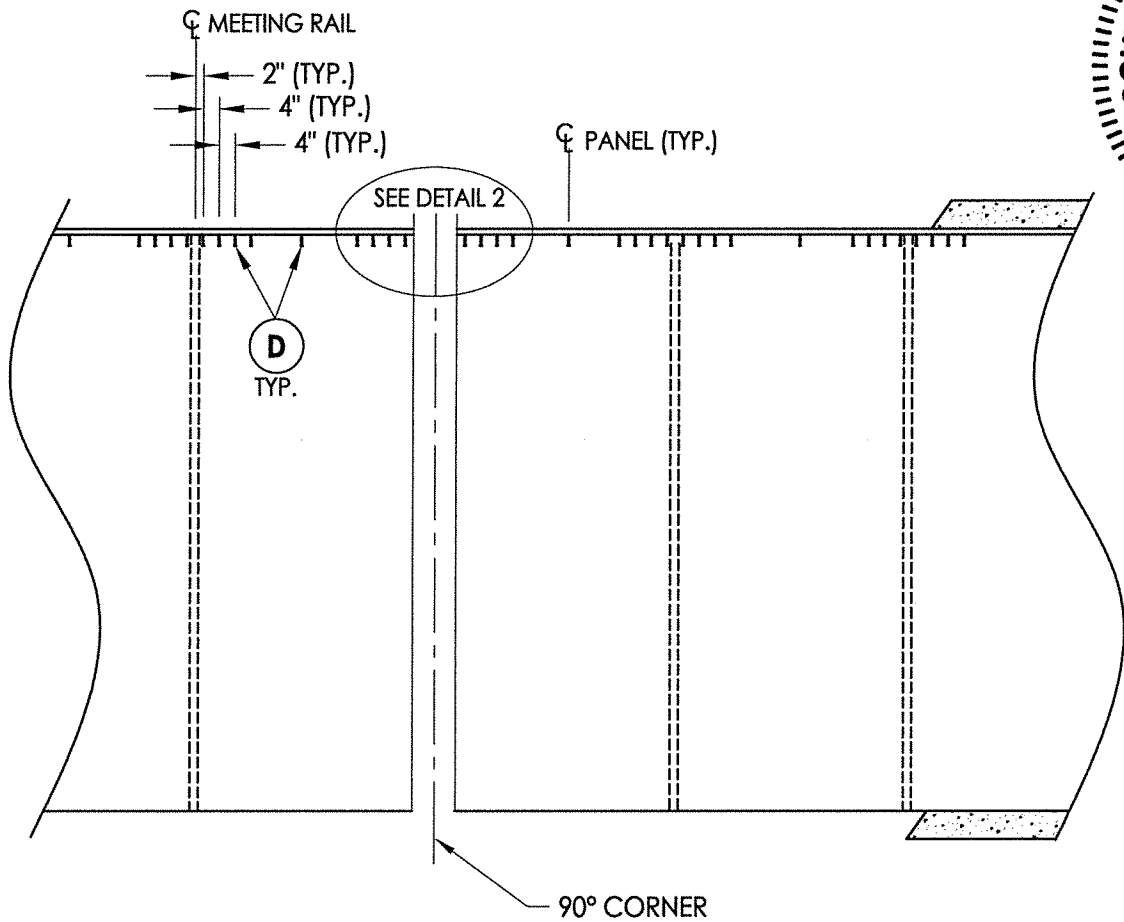
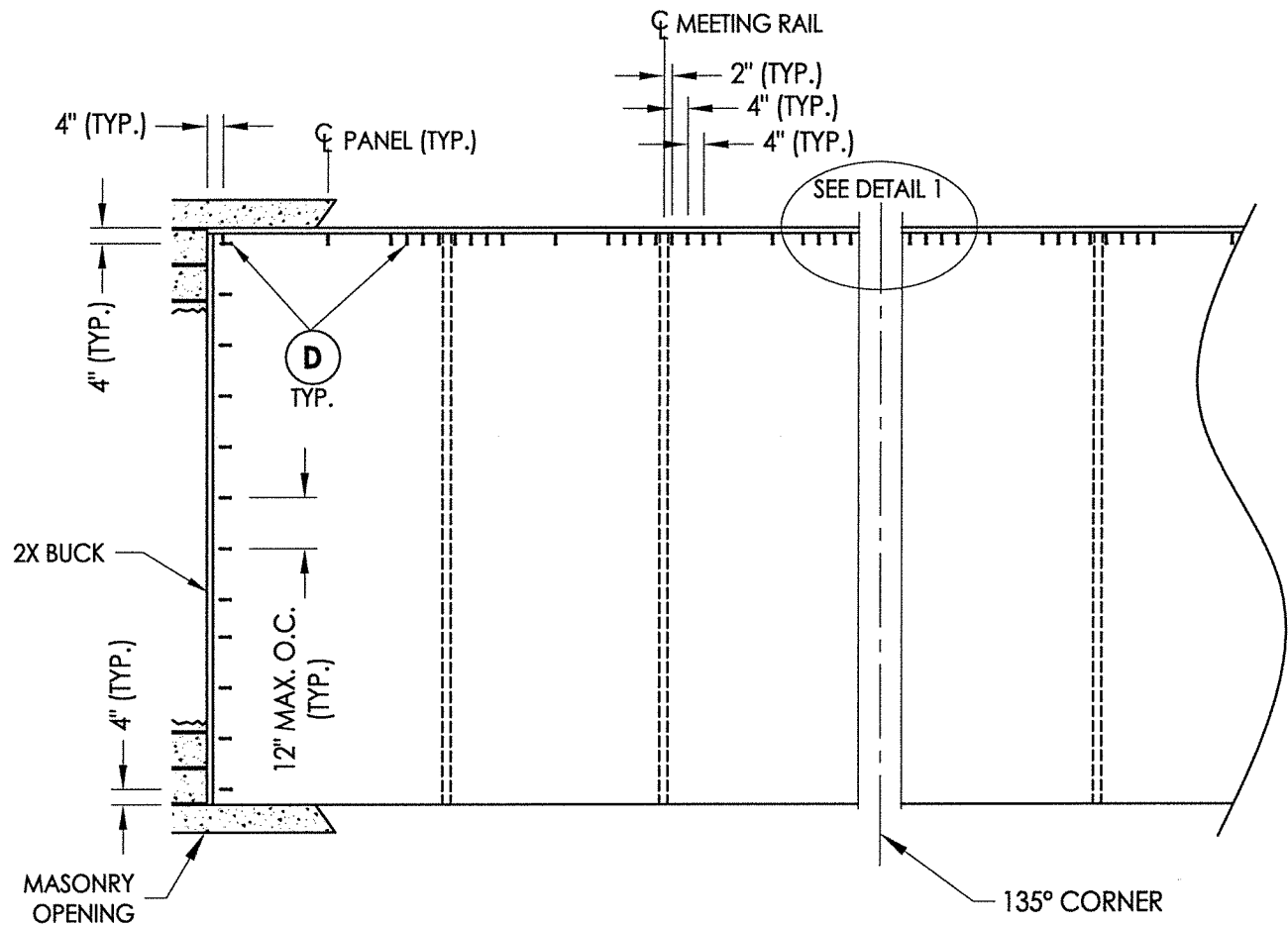
August 10, 2020
Documents Prepared by
Lyndon F. Schmidt
P.E. No. 43409



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

[illegible]

\\dc01\wbc\Clients\Fleetwood PERMANENT\A - Florida Product Approvals\FL-15560 Sliding Patio Doors\C - Drawings\FL 15560 (2020)\FL-15560.19-20.dwg

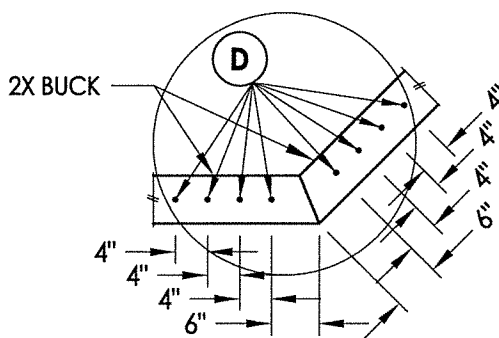


2X BUCK ANCHORING

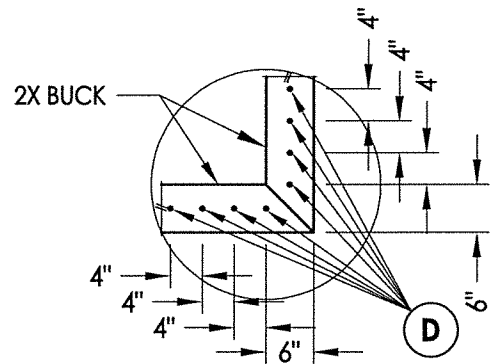
CONCRETE ANCHOR NOTES:

- 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:

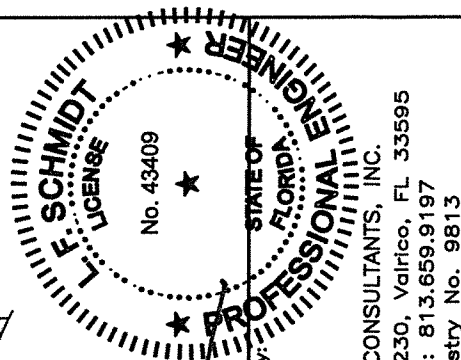
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"



DETAIL 1
135° Corner



DETAIL 2
90° Corner



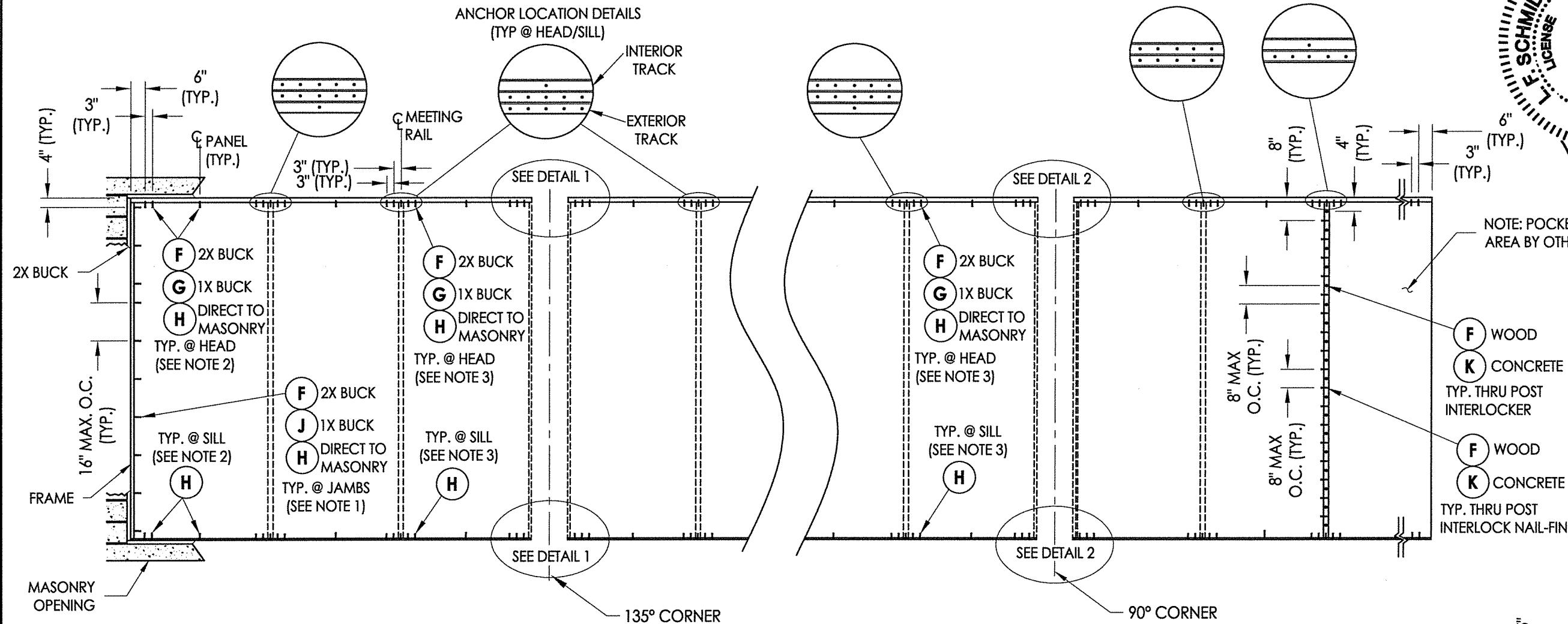
August 10, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

NO.	DATE	REVISIONS
2	8/10/20	UPDATE TO 7TH ED. (2020) FBC
1	08/08/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 03/10/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15560.20
SHEET 7 OF 11

\\dc01\wbc\Clients\Fleetwood PERMANENT\A - Florida Product Approvals\FL-15560 Sliding Patio Doors\C - Drawings\FL 15560 (2020)\FL-15560.19-20.dwg



FRAME ANCHORING

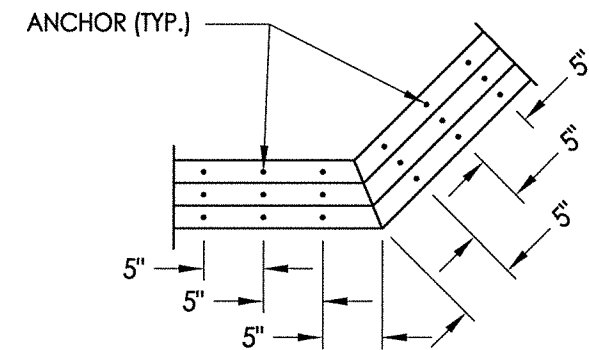
CONCRETE ANCHOR NOTES:

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:

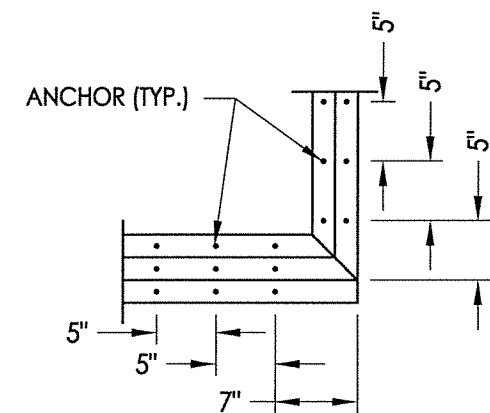
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	3/16"	1-1/4"	2"	1-7/8"
DeWALT ULTRACON®	1/4"	1-1/4"	1-1/4"	6"

WOOD SCREW INSTALLATION NOTES:

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



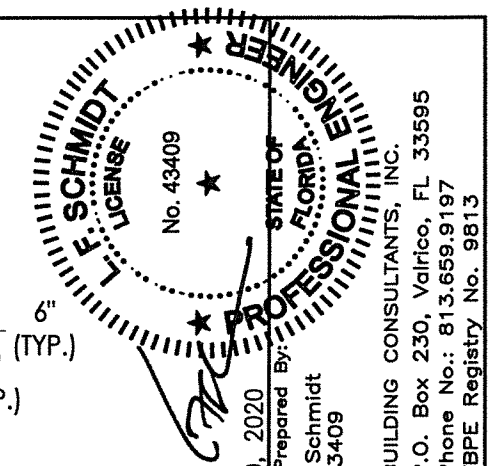
DETAIL 1
135° Corner



DETAIL 2
90° Corner

ANCHOR LOCATION NOTES:

1. JAMBS (@ EACH LOCATION): 1 ANCHOR REQUIRED PER TRACK
2. HEAD/SILL (@ EACH END/CENTERLINE OF PANEL): 1 ANCHOR REQUIRED PER TRACK
3. HEAD/SILL (@ MEETING RAILS): SEE DETAILS FOR ANCHORS REQUIRED PER TRACK



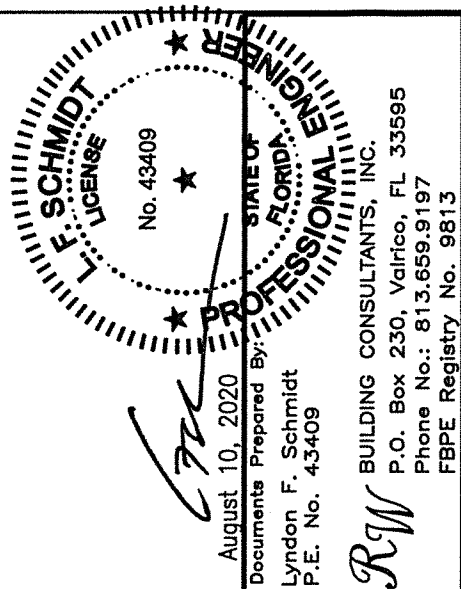
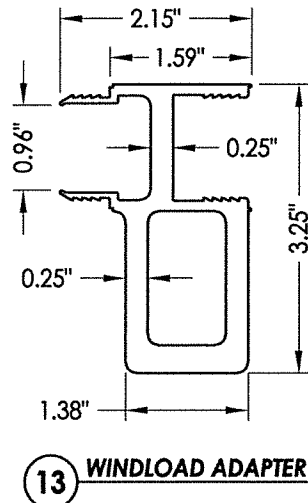
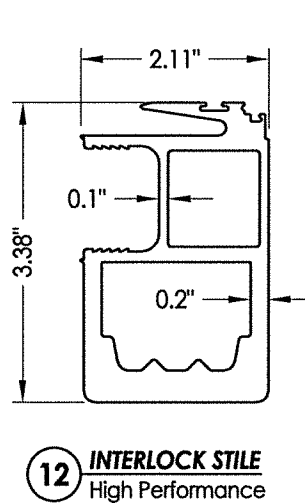
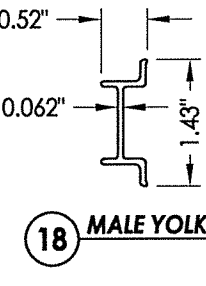
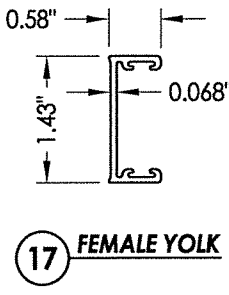
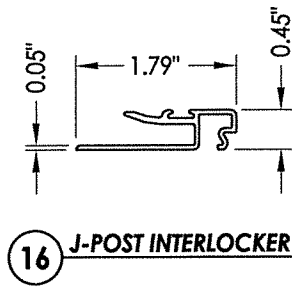
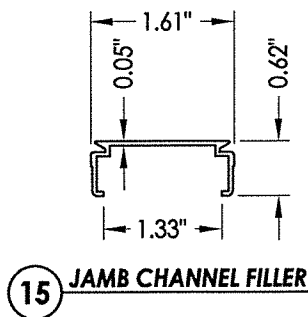
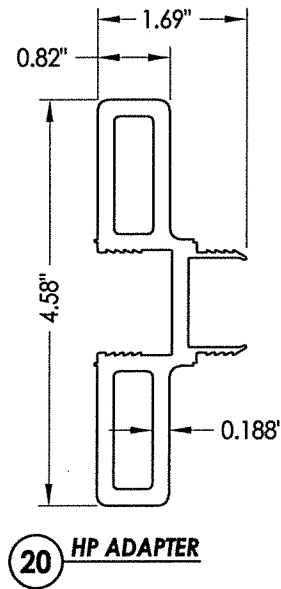
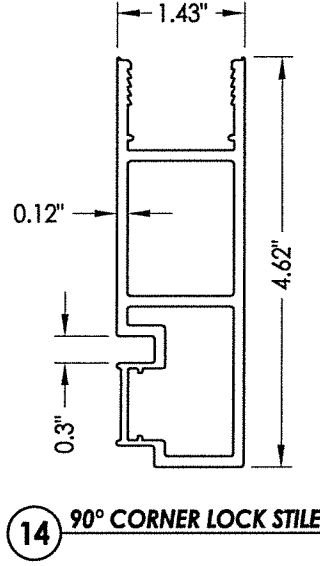
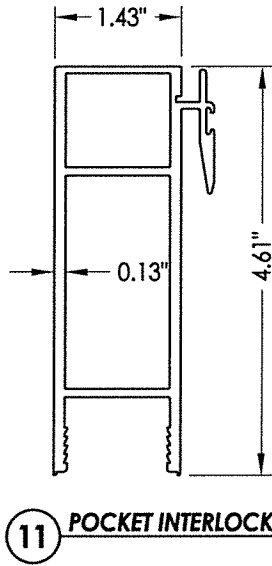
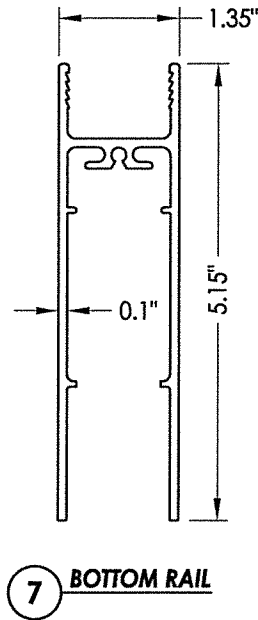
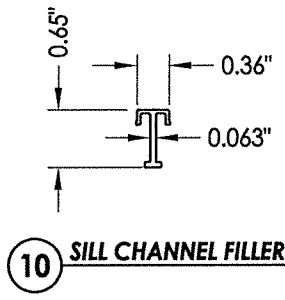
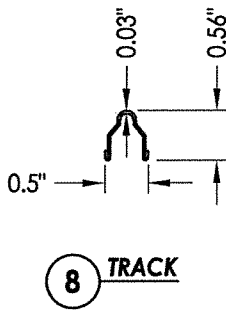
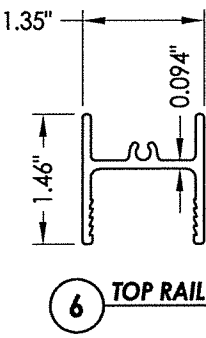
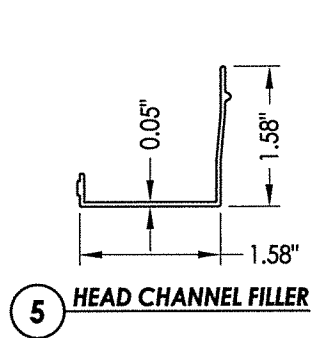
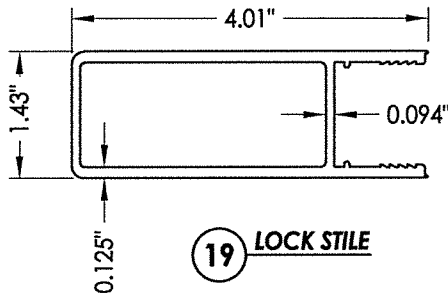
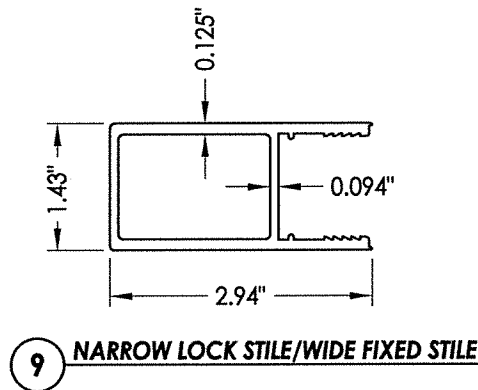
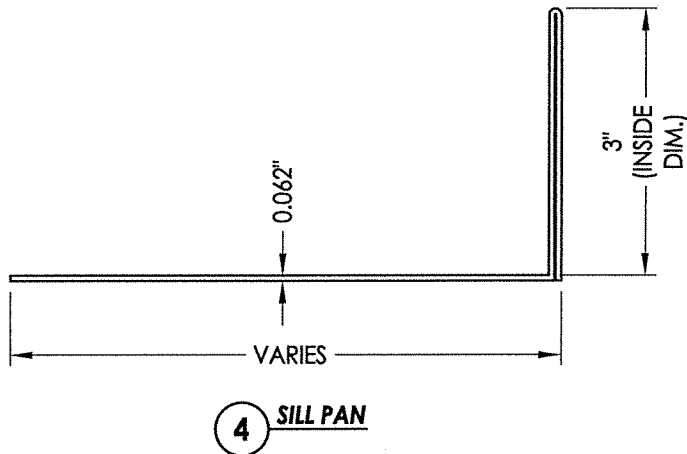
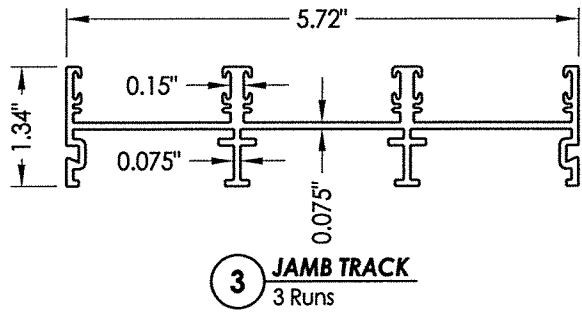
August 10, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:	FLEETWOOD WINDOWS & DOORS
PART OR ASSEMBLY:	FRAME ANCHORING

NO.	DATE	REVISIONS
2	8/10/20	UPDATE TO 7TH ED. (2020) FBC
1	08/08/17	UPDATE TO 6TH ED. (2017) FBC

DATE:	03/10/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15560.20
SHEET	8 OF 11

\\dc01\wbc\Clients\Fleetwood PERMANENT\A - Florida Product Approvals\FL-15560 Sliding Patio Doors\C - Drawings\FL 15560 (2020)\FL-15560.19-20.dwg

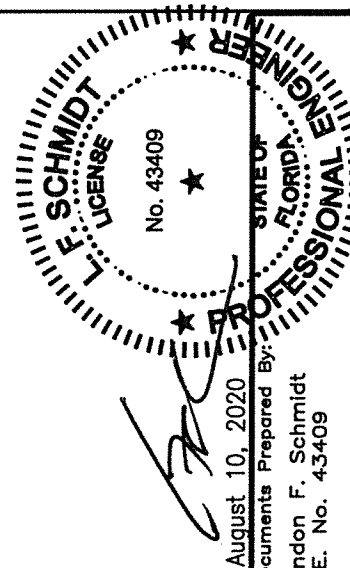
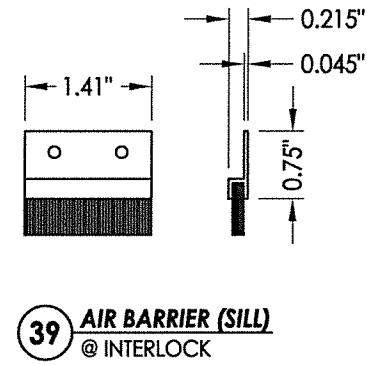
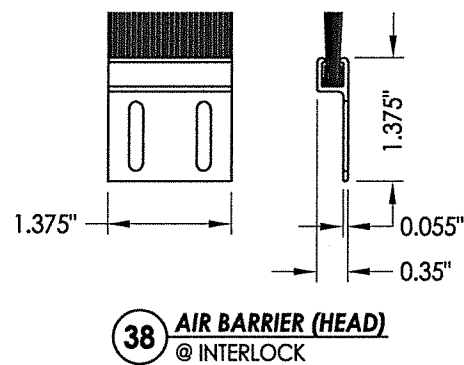
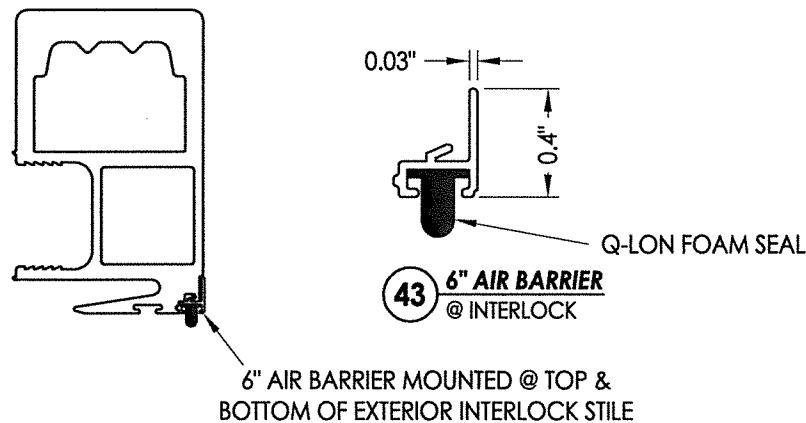
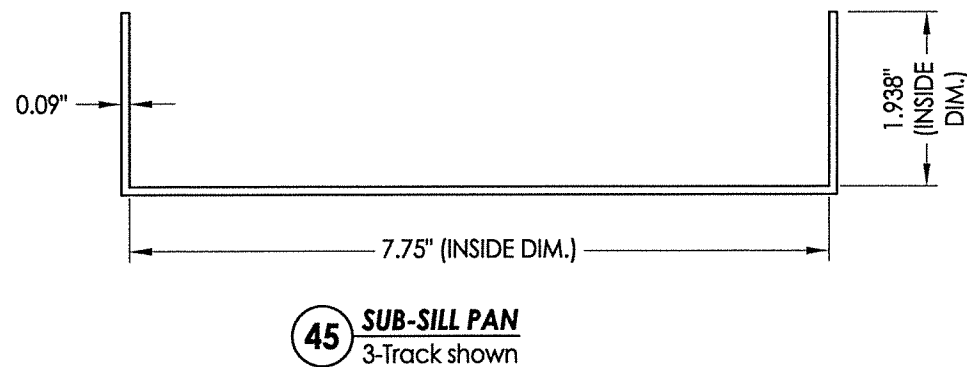
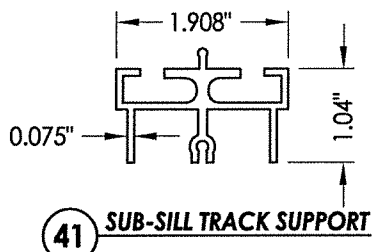
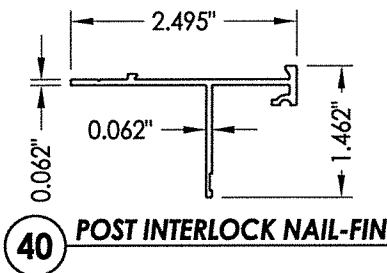
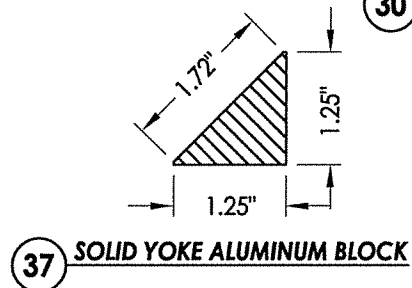
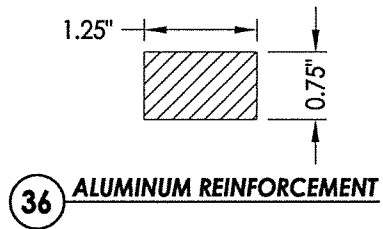
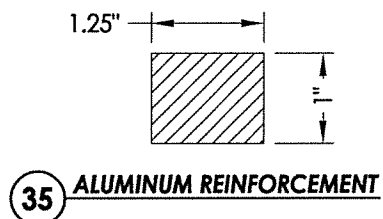
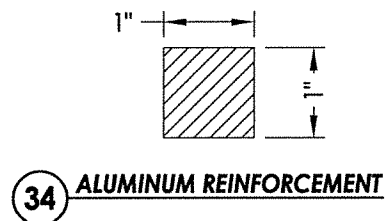
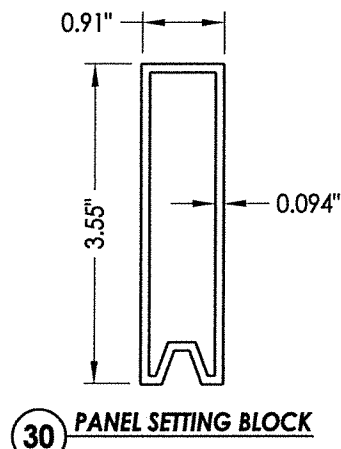
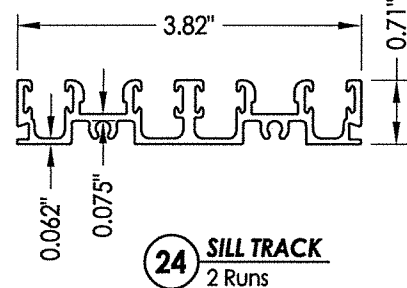
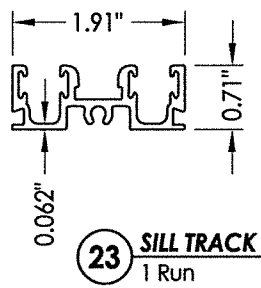
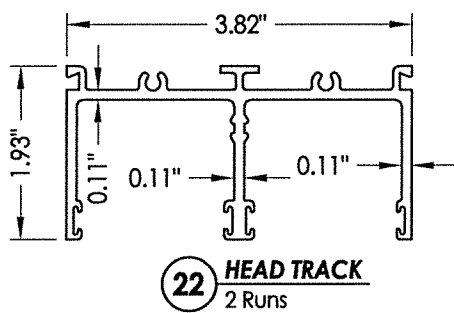
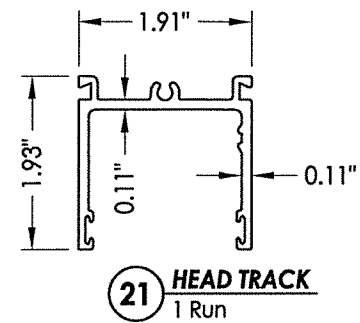


August 10, 2020
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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:		COMPONENTS	
NO.	DATE	BY	REVISIONS
2	8/10/20	DAC	UPDATE TO 7th ED. (2020) FBC
1	08/08/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE: 03/10/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15560.20			
SHEET 9 of 11			

\\dc01\rbw\clients\Fleetwood PERMANENTVA - Florida Product Approvals\FL-15560 (2020)\FL-15560.19-20.dwg



August 10, 2020
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:		COMPONENTS	
NO.	DATE	BY	REVISIONS
2	8/10/20	DAC	UPDATE TO 7th ED. (2020) FBC
1	08/08/17	LFS	UPDATE TO 6TH ED. (2017) FBC
DATE	03/10/16	SCALE	N.T.S.
DWG. BY:	JK	CHK. BY:	LFS
DRAWING NO.:	FL-15560.20	SHEET	10 of 11

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 2-1/2" PFH SMS (1-1/2" 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 2-1/4" DeWALT PFH CONCRETE SCREW	STEEL
L	#8 X 1/2" PFH SMS	STEEL
3	JAMB TRACK (3 RUNS)	6063-T6 ALUM
4	SILL PAN (TRIPLE RUN)	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	NARROW LOCK STILE/WIDE FIXED STILE	6063-T6 ALUM
10	SILL CHANNEL FILLER	6063-T6 ALUM
11	POCKET INTERLOCK	6063-T6 ALUM
12	HIGH PERFORMANCE INTERLOCK STILE	6063-T6 ALUM
13	WINDLOAD ADAPTER	6063-T6 ALUM
14	90° CORNER LOCK STILE	6063-T6 ALUM
15	JAMB CHANNEL FILLER	6063-T6 ALUM
16	J-POST INTERLOCKER	6063-T6 ALUM
17	FEMALE YOLK	6063-T6 ALUM
18	MALE YOLK	6063-T6 ALUM
19	LOCK STILE	6063-T6 ALUM
20	HIGH PERFORMANCE ADAPTER	6063-T6 ALUM
21	HEAD TRACK (1 RUN)	6063-T6 ALUM
22	HEAD TRACK (2 RUNS)	6063-T6 ALUM
23	SILL TRACK (1 RUN)	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	SMALL FIN WEATHERSEAL (0.230" AMESBURY)	-
33	LARGE FIN WEATHERSEAL (0.290" AMESBURY)	-
34	1" X 1" ALUMINUM REINFORCEMENT	6061-T6 ALUM
35	1" X 1.25" ALUMINUM REINFORCEMENT	6061-T6 ALUM
36	0.75" X 1.25" ALUMINUM REINFORCEMENT	6061-T6 ALUM
37	SOLID YOKE ALUMINUM BLOCK	6061-T6 ALUM
38	AIR BARRIER (HEAD)	-
39	AIR BARRIER (SILL)	-
40	POST INTERLOCK NAIL-FIN	6063-T6 ALUM
41	SUB-SILL TRACK SUPPORT	6063-T6 ALUM
42	#8 X 1" PFH TEK SCREW	STEEL
43	6" AIR BARRIER (INTERLOCK)	-
44	Q-LON FOAM SEAL	-
45	SUB-SILL PAN	5052 -ALUM

