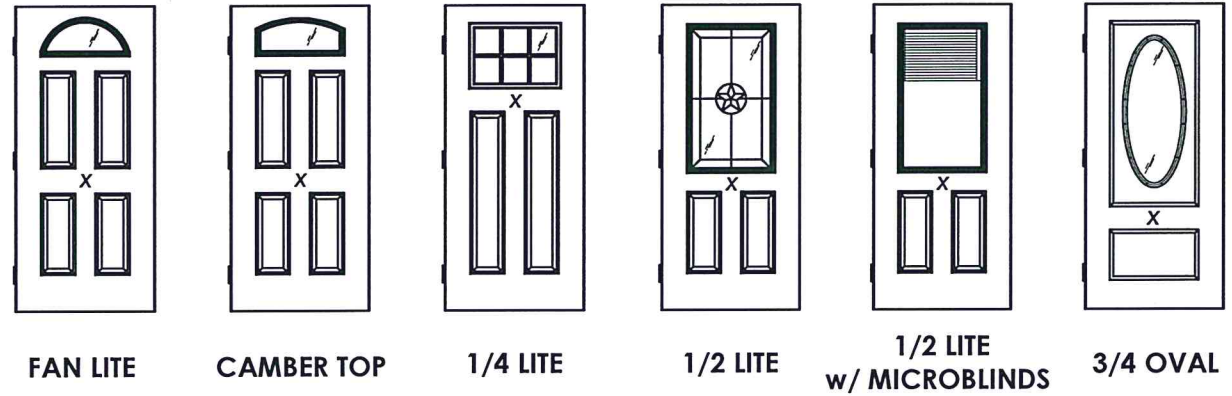


STEVES AND SONS

203 Humble Ave.
San Antonio, TX 78225

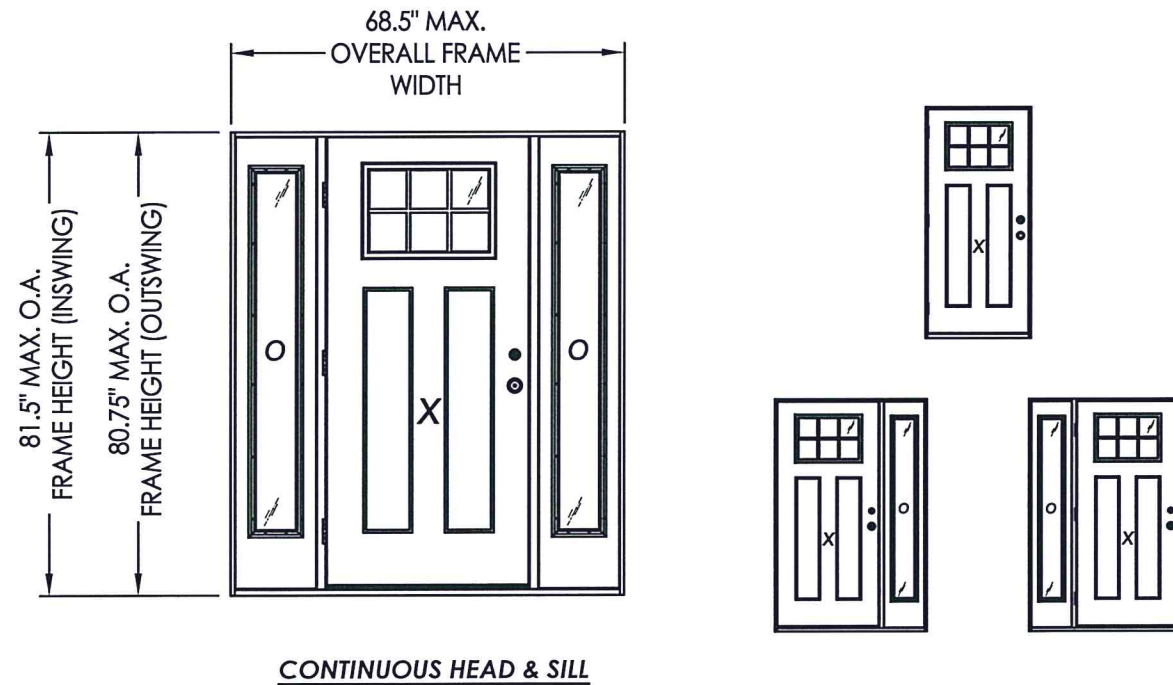


ELEMENT COLLECTION

GLAZED STEEL DOOR SINGLE w/ or w/out SIDELITE(S) IN SWING/OUT SWING "NON-IMPACT"

GENERAL NOTES

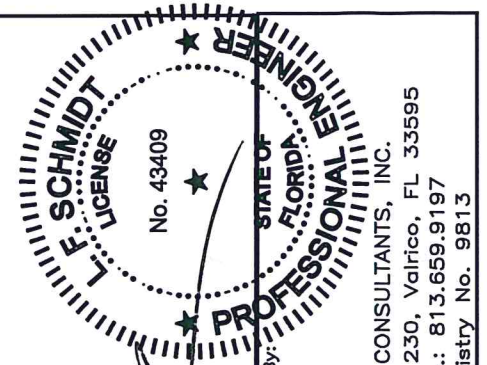
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 of the FBC.
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.



CONTINUOUS HEAD & SILL

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	9	Horizontal & Vertical Cross Sections (Direct to Masonry)
3	Sidelite Panel Details	10	Vertical Cross Sections
4	Panel Options	11	Buck Anchoring
5	Elevations	12	Frame Anchoring & Hardware Details
6	Horizontal Cross Sections	13	Door Lite Frame & Glazing Details
7	Horizontal & Vertical Cross Sections (2X Buck)	14	Bill of Materials & Components

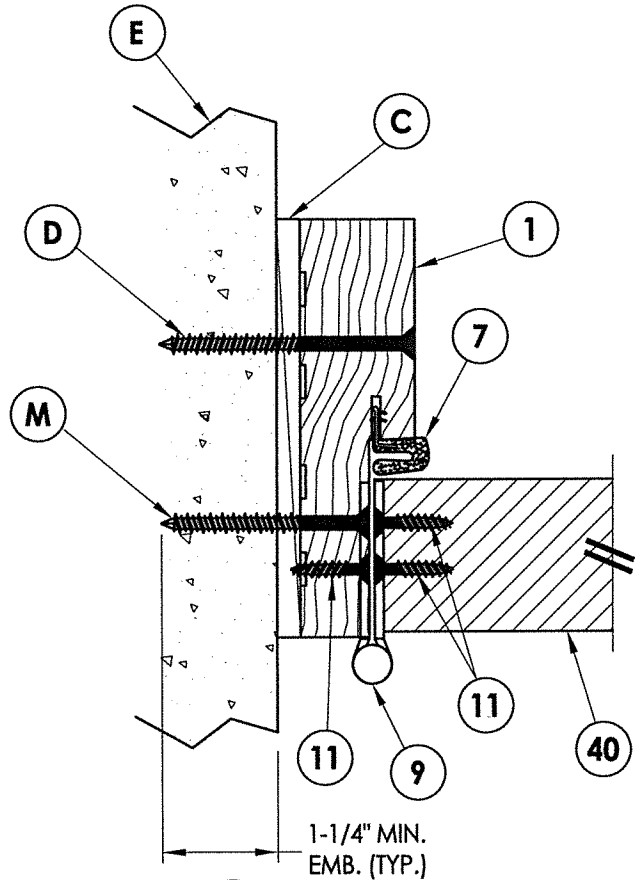
CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.5"	+50.0	-50.0	+50.0	-50.0
XO, OX, OXO	68.5" x 81.5"	+50.0	-50.0	+50.0	-50.0



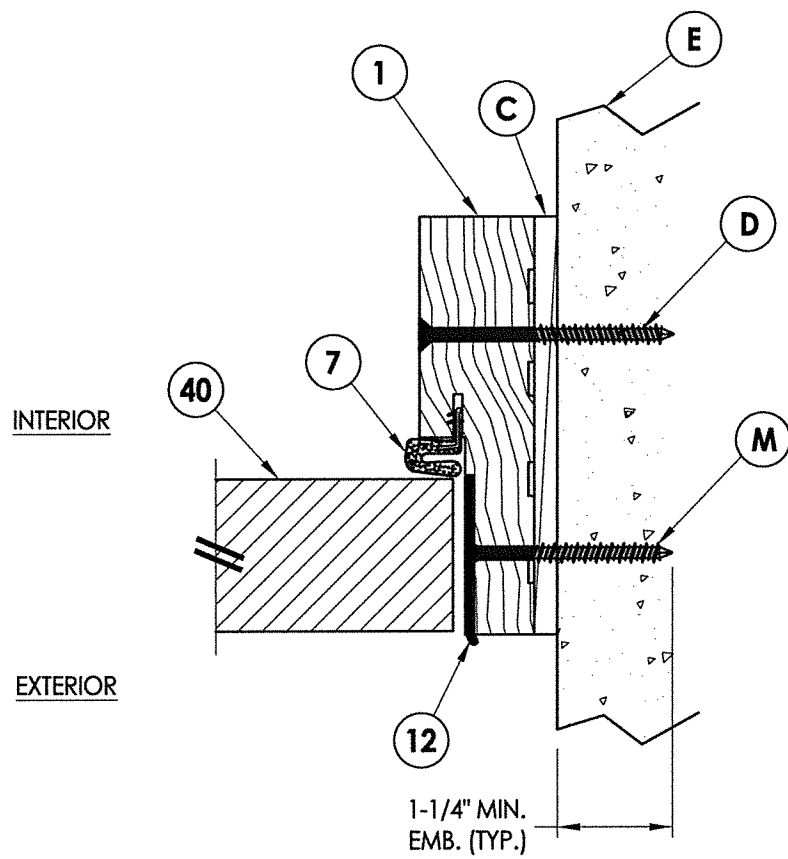
May 25, 2022
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

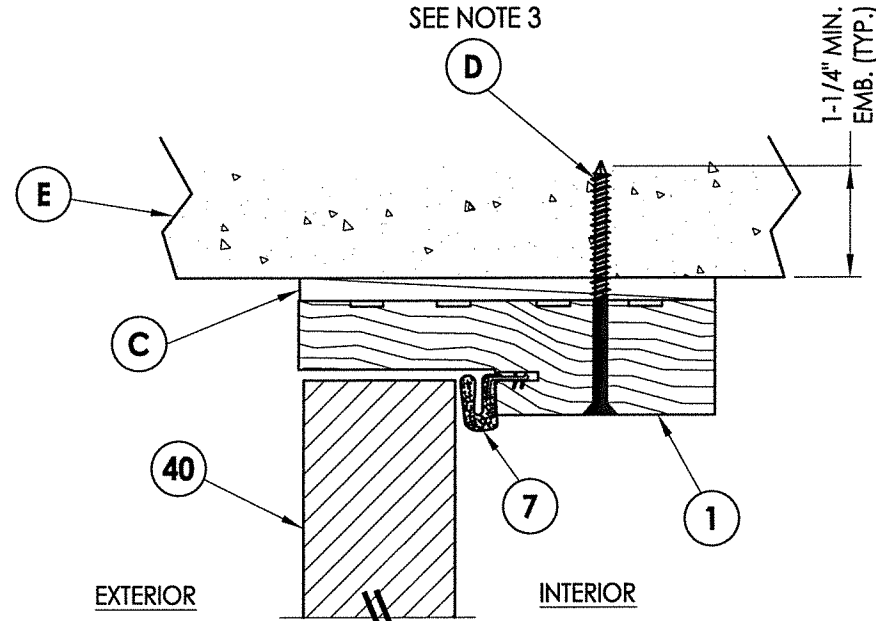
PRODUCT:		STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE	BY	REVISIONS
DATE: 4/26/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41471.1			
SHEET 1 OF 14			



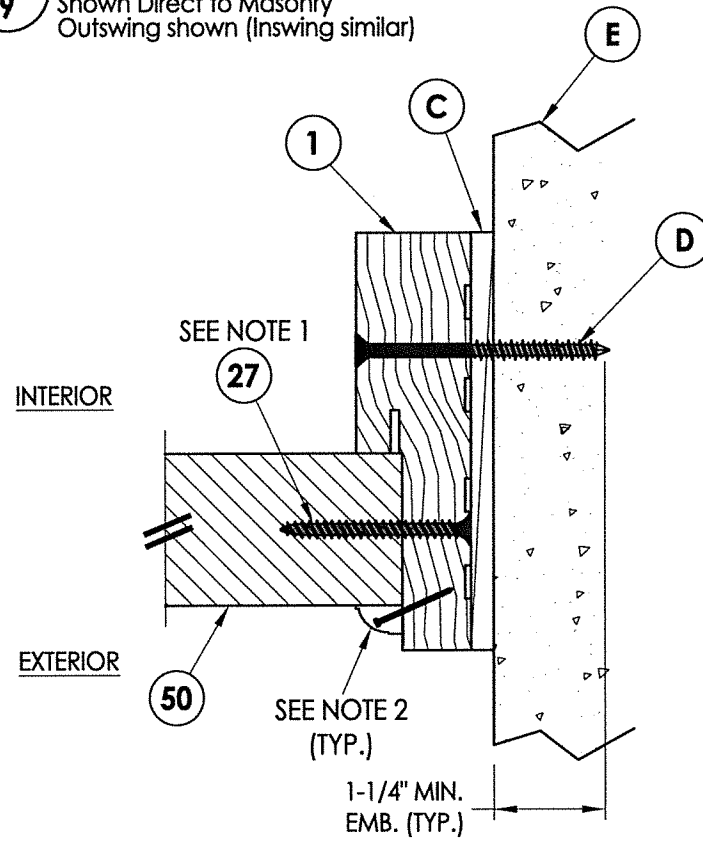
1 HORIZONTAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing shown (Inswing similar)



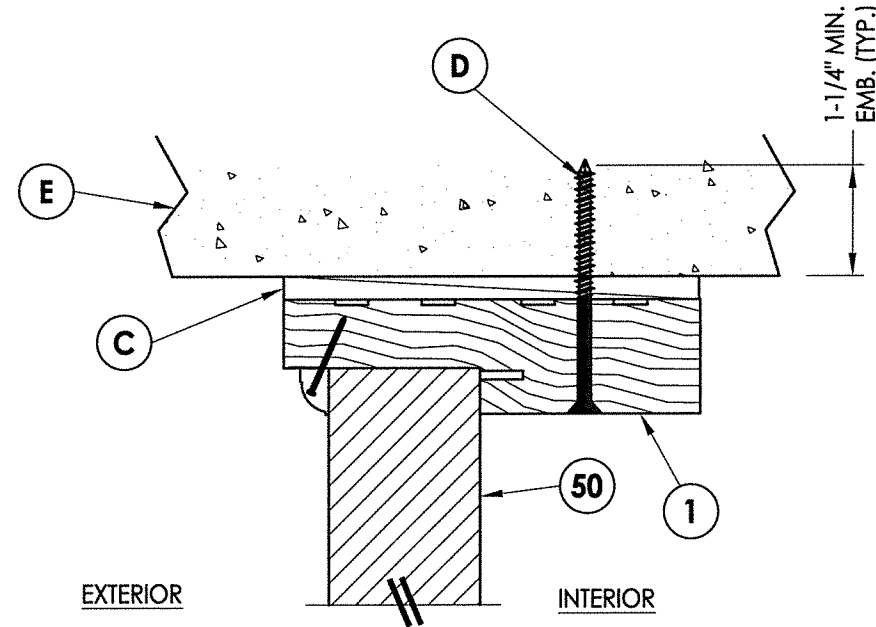
2 HORIZONTAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing shown (Inswing similar)



4 VERTICAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing shown (Inswing similar)



3 HORIZONTAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing shown (Inswing similar)



5 VERTICAL CROSS SECTION
9 Shown Direct to Masonry
 Outswing shown (Inswing similar)

- NOTES:**
- Sidelite assembly screws located 4" from each end plus 4 more equally spaced along jamb (6 total).
 - Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.
 - Anchor @ head is not required for single door (X) only.

Professional Engineer
 L.F. SCHMIDT
 License No. 43409
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

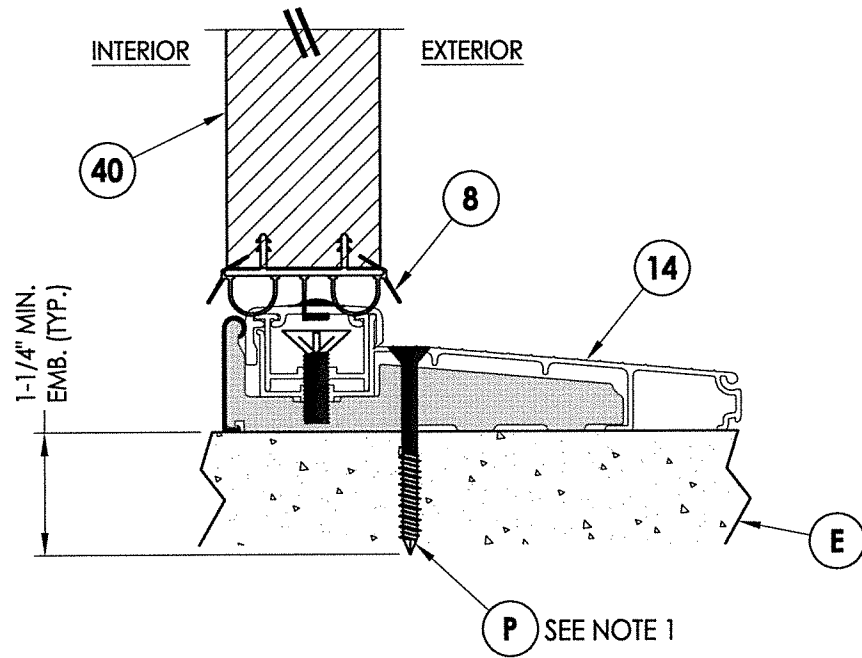
May 25, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

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

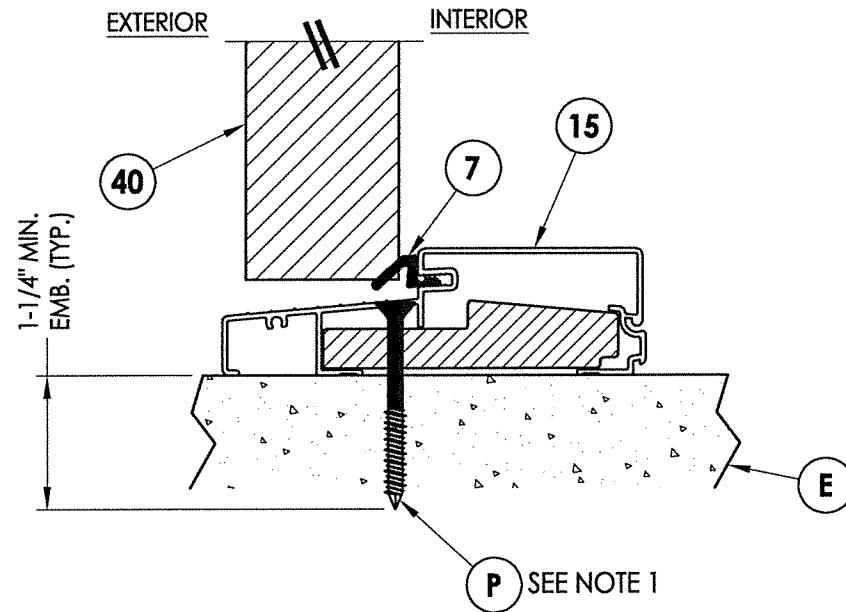
PRODUCT:	STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	
NO.	DATE	BY
REVISIONS		
DATE:	4/26/22	
SCALE:	N.T.S.	
DWG. BY:	RW	
CHK. BY:	LFS	
DRAWING NO.:	FL-41471.1	
SHEET	9 OF 14	

Z:\Clients\Steves and Sons - Permanent\A - Florida Product Approvals\FL-41471 ELEMENT SERIES\C - Drawings\FL-41471 (2020)\FL-41471.1.dwg

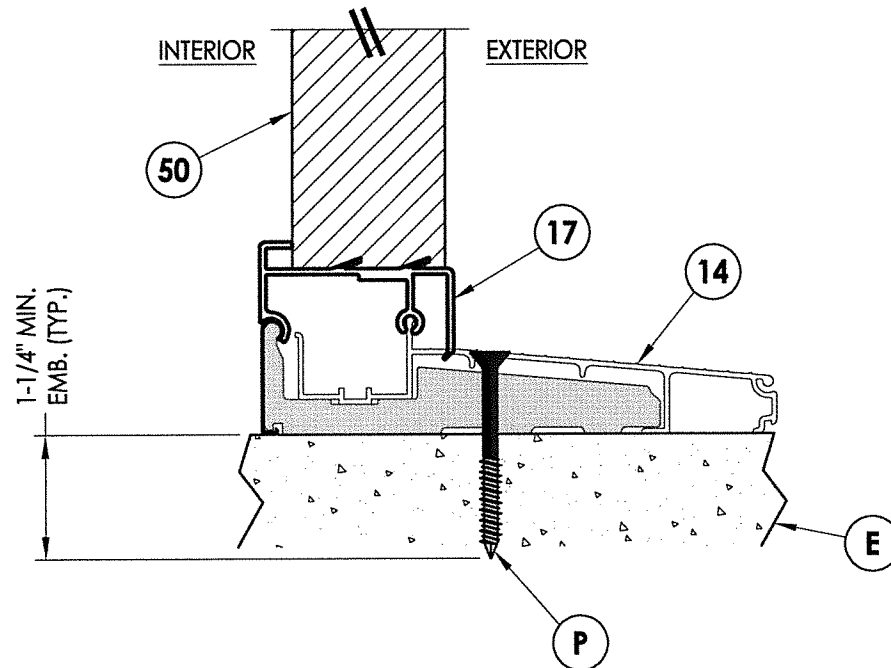
Note:
1. Anchor @ sill is not required for single door (X) only.



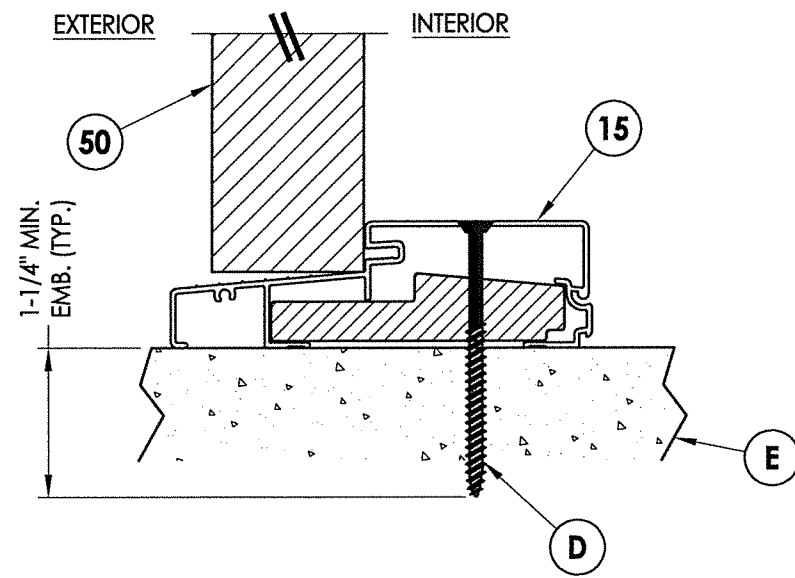
1 VERTICAL CROSS SECTION
10 Inswing Threshold



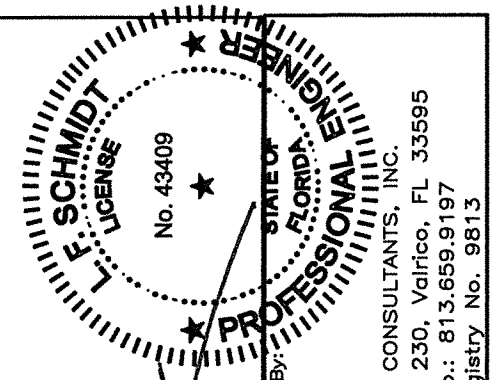
2 VERTICAL CROSS SECTION
10 Outswing Threshold



3 VERTICAL CROSS SECTION
10 Inswing Threshold



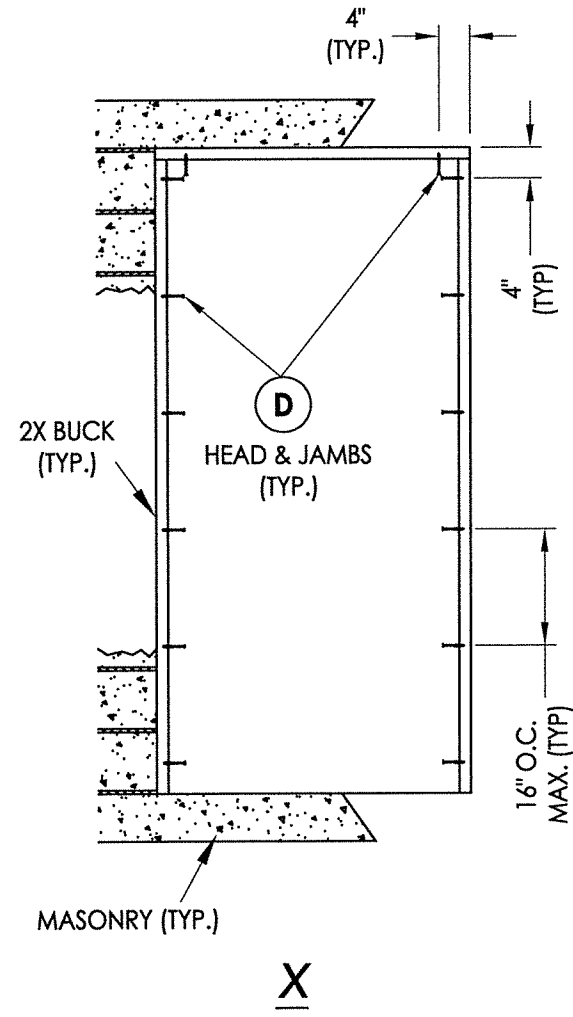
4 VERTICAL CROSS SECTION
10 Outswing Threshold



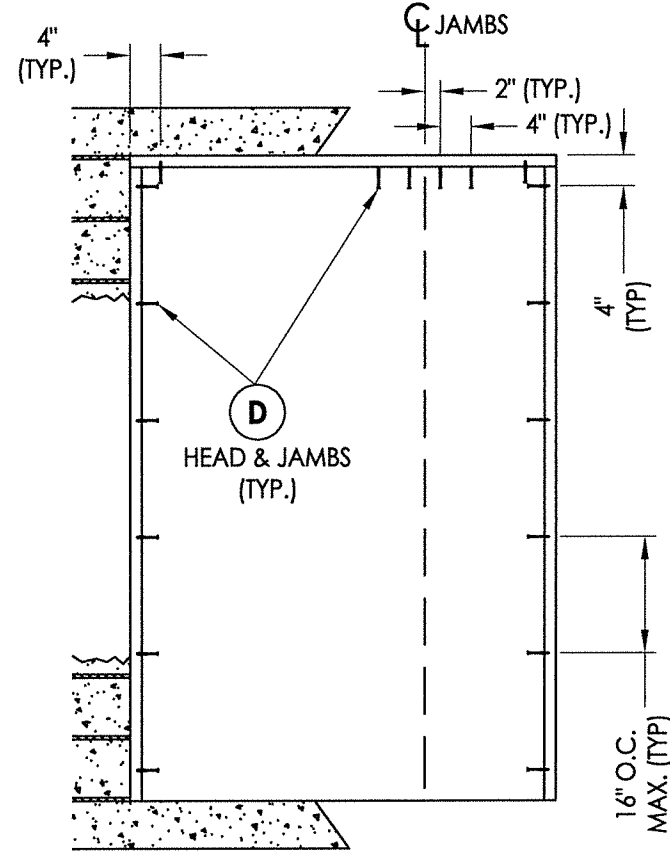
May 25, 2022
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STEVES & SONS FIBERGLASS DOOR		NO.	DATE	BY
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS				
REVISIONS				
DATE: 4/26/22				
SCALE: N.T.S.				
DWG. BY: RW				
CHK. BY: LFS				
DRAWING NO.: FL-41471.1				
SHEET 10 OF 14				

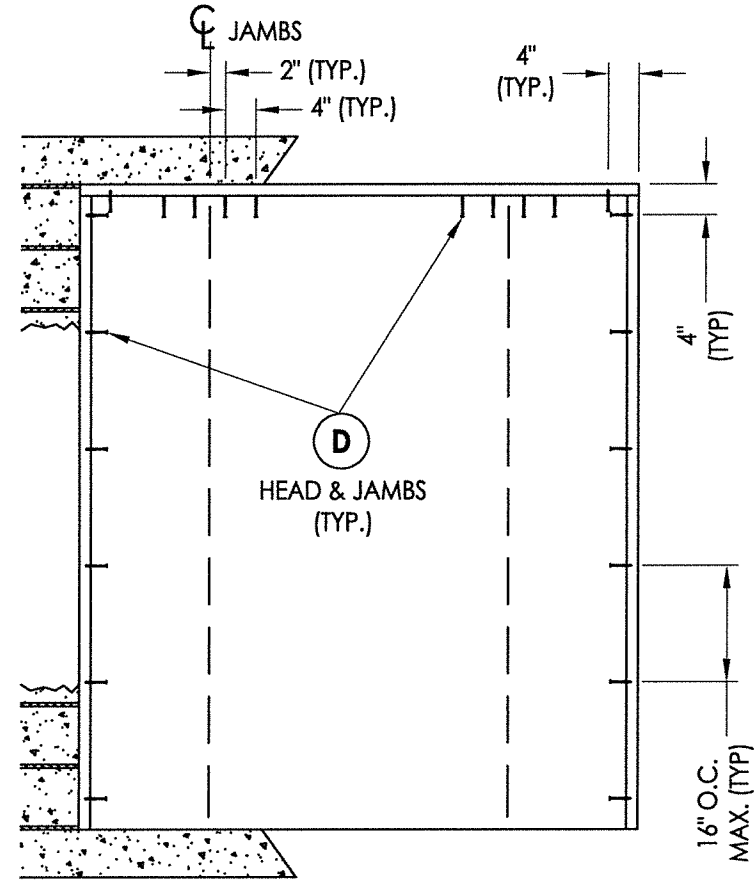
© 2022 R.W. BUILDING CONSULTANTS INC.



X

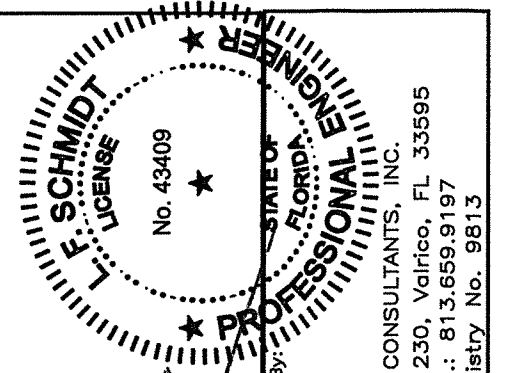


XO, OX



OXO

2X BUCK ANCHORING

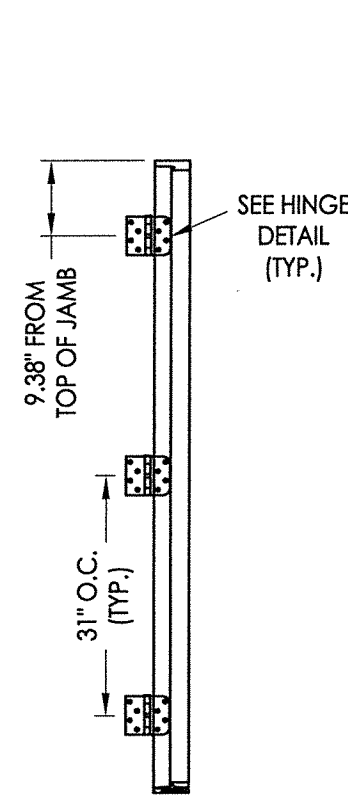
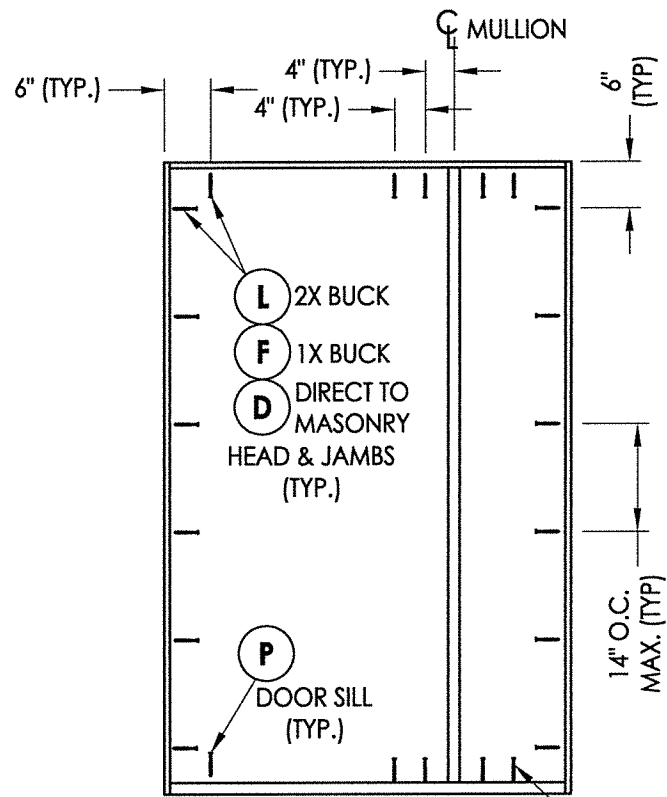
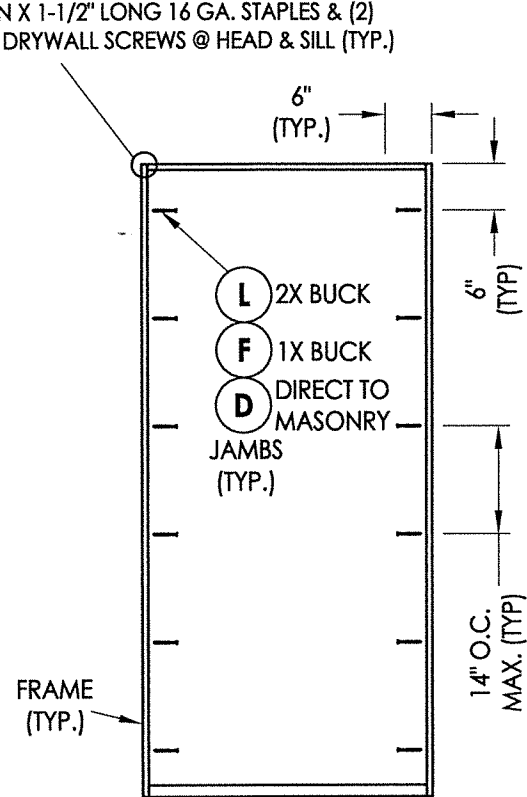


May 25, 2022
 Documents Prepared By:
 Lyndon F. Schmidt
 P.E. No. 43409

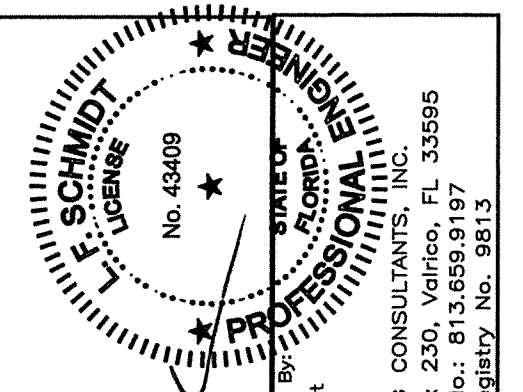
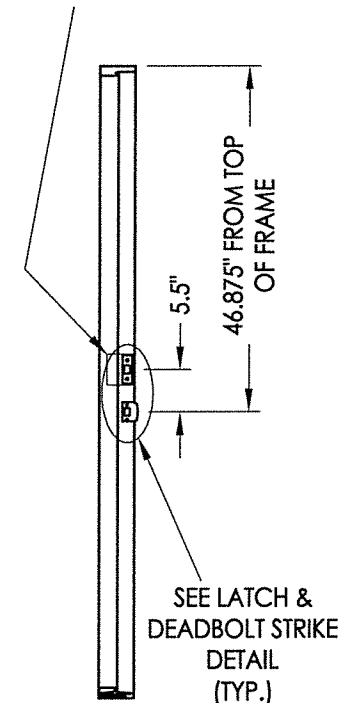
RW
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE Registry No. 9813

PRODUCT:		STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK ANCHORING	
NO.	DATE	BY	REVISIONS
DATE: 4/26/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41471.1			
SHEET 11 of 14			

FRAME CORNERS ATTACHED w/ (3) 7/16" CROWN X 1-1/2" LONG 16 GA. STAPLES & (2) #7 X 2" DRYWALL SCREWS @ HEAD & SILL (TYP.)



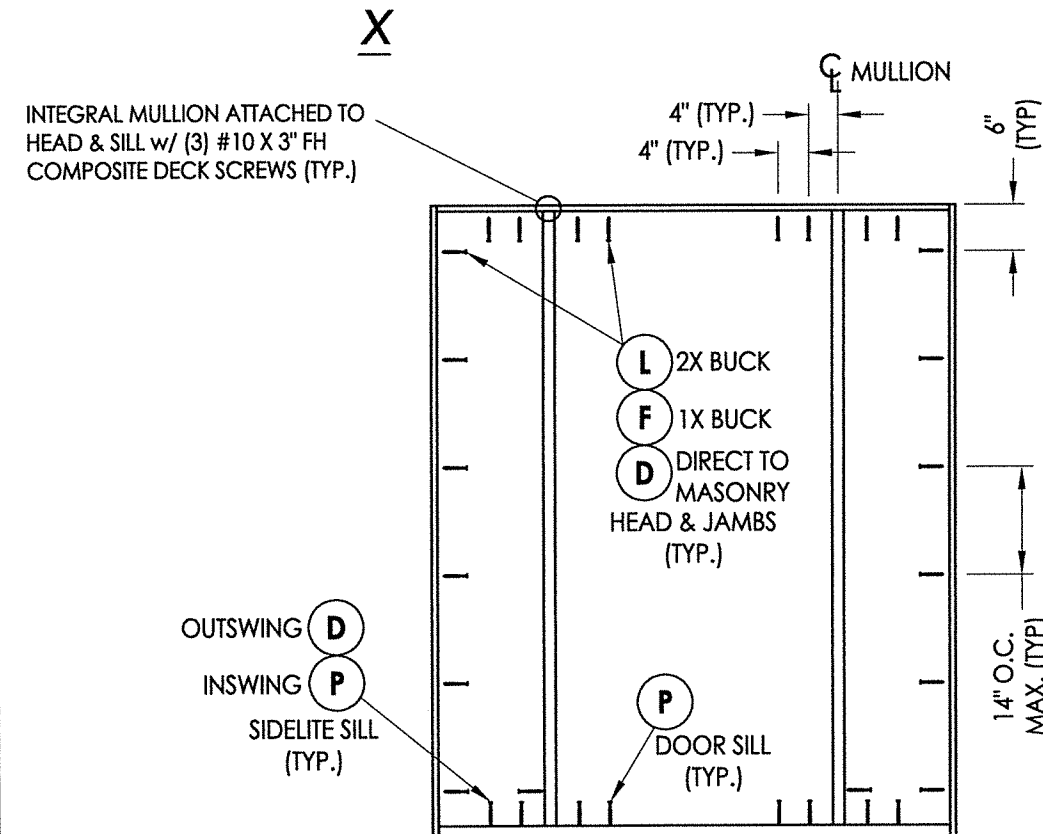
3.5" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF LOCK JAMB w/ (4) 1" CROWN X 5/8" LONG 16 GA. STAPLES



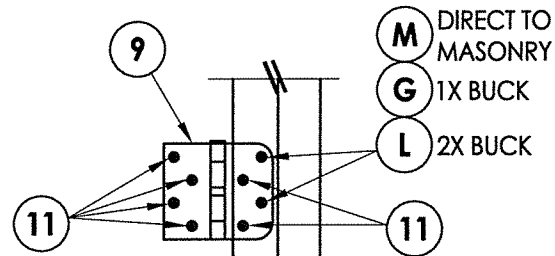
May 25, 2022

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

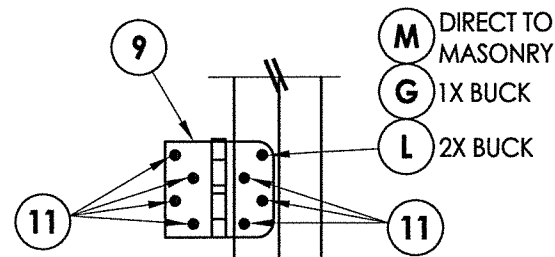
PROFESSIONAL ENGINEER
FLORIDA
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



XO, OX
D OUTSWING
P INSWING
SIDELITE SILL (TYP.)

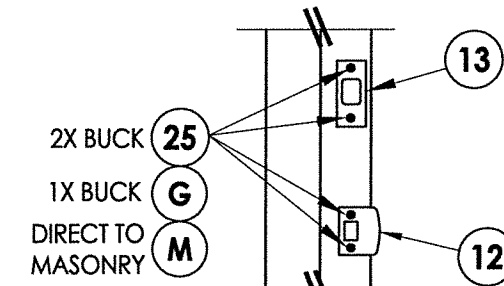


HINGE DETAIL INSWING

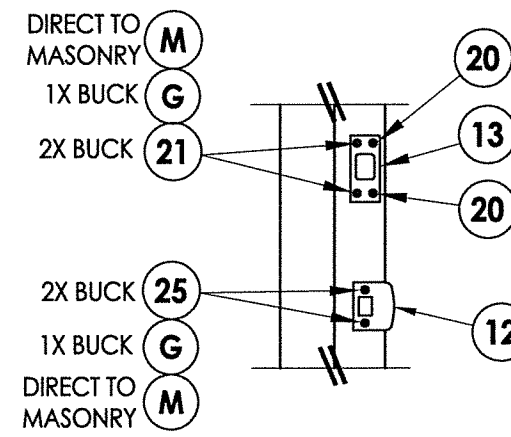


HINGE DETAIL OUTSWING

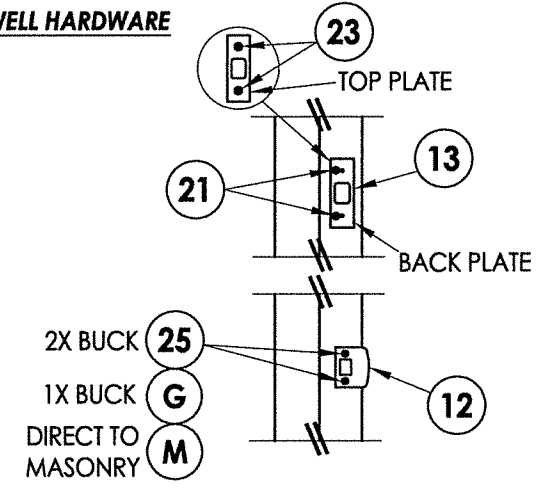
HINGE JAMB/MULLION STRIKE JAMB/MULLION



ROCKWELL HARDWARE



KWIKSET HARDWARE



SCHLAGE HARDWARE

FRAME ANCHORING

HARDWARE DETAILS

PRODUCT:	STEVES & SONS STEEL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	BY	REVISIONS

DATE: 4/26/22

SCALE: N.T.S.

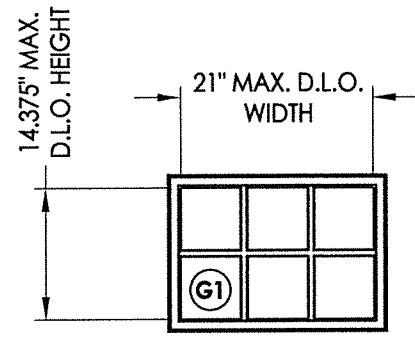
DWG. BY: RW

CHK. BY: LFS

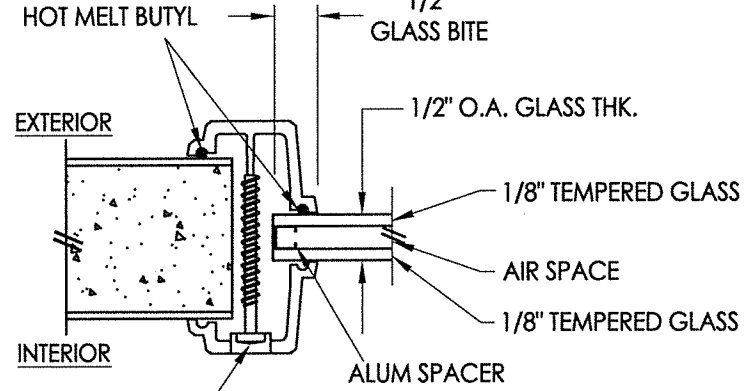
DRAWING NO.:

FL-41471.1

SHEET 12 OF 14

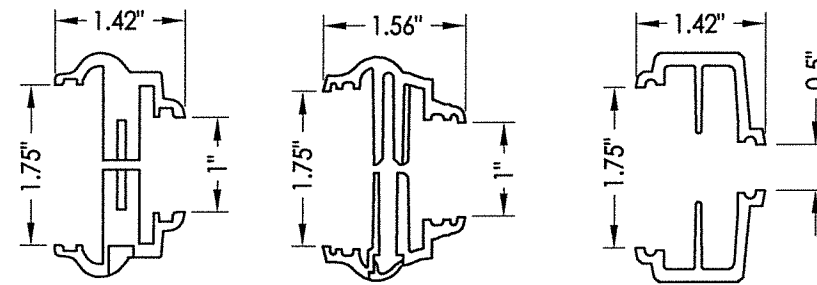


**1/4 LITE
w/ FALSE MUNTINS**

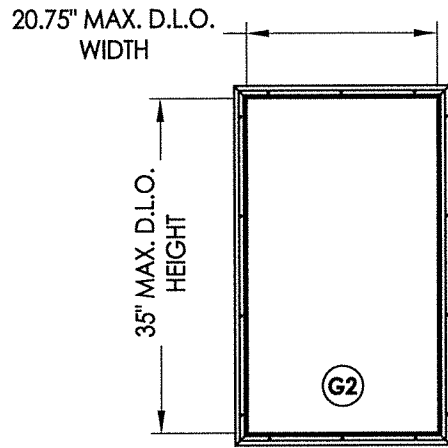


#8 X 1-1/2" PH SMS (HI-LO THREAD)
(10 TOTAL)

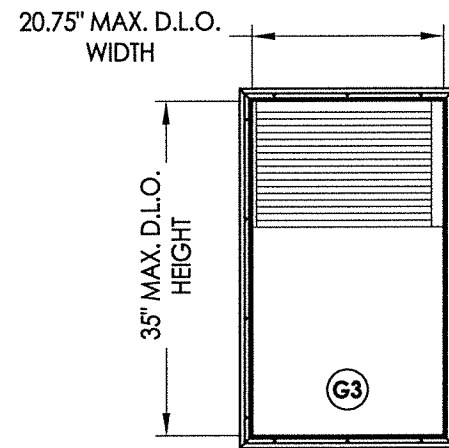
G1 GLAZING DETAIL
ODL CRAFTSMAN LITE FRAME
HP POLYPROPYLENE



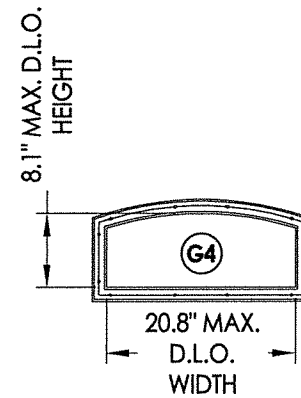
TKI PRODUCTS LITE FRAME ODL LITE FRAME (EVOLVE) ODL LITE FRAME (CRAFTSMAN)



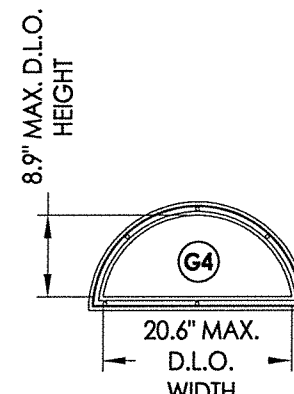
1/2 LITE



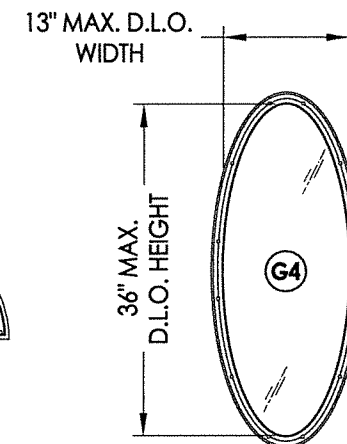
**1/2 LITE
w/ MICROBLINDS**



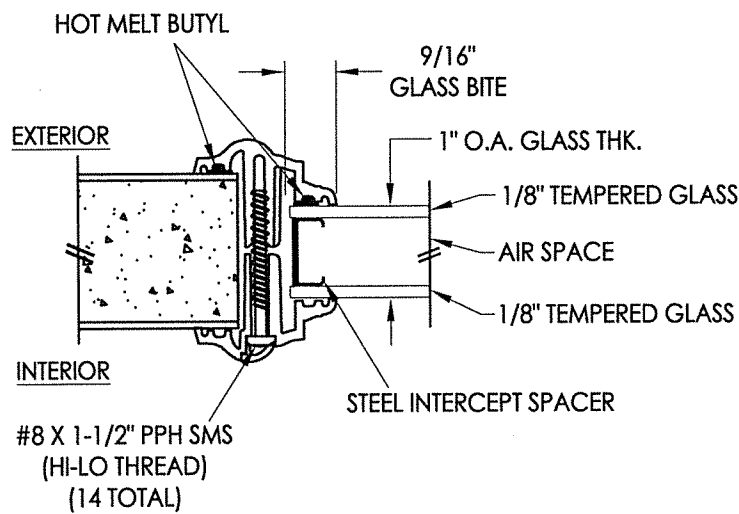
CAMBER TOP



FAN LITE

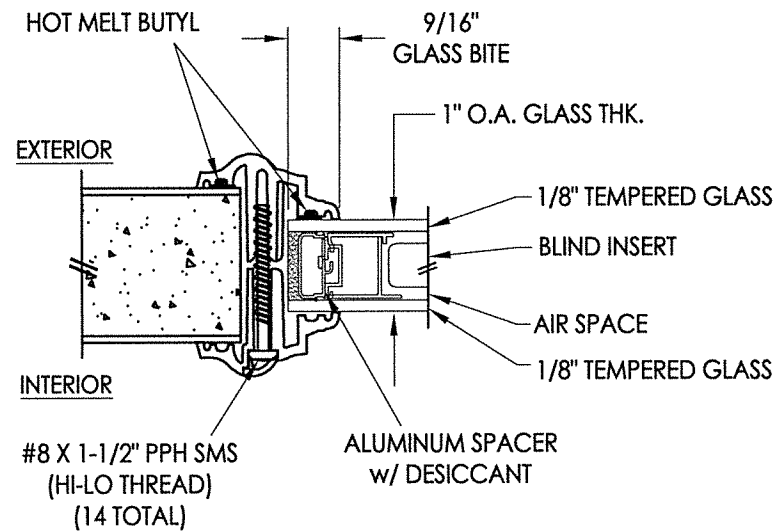


3/4 OVAL



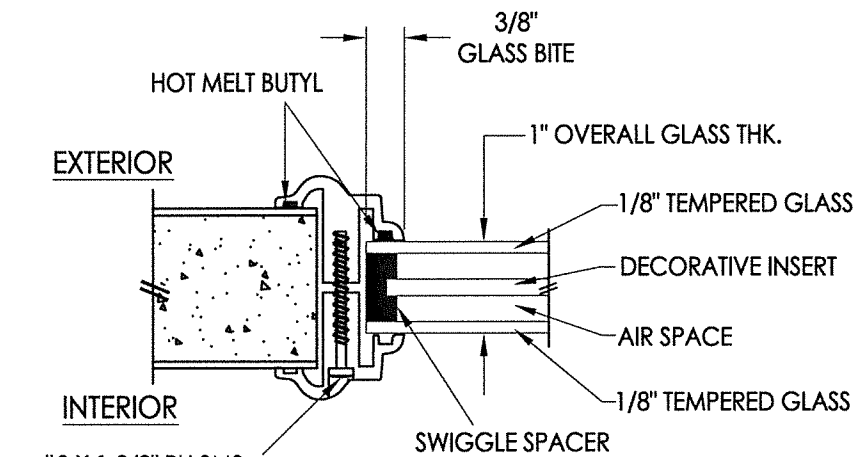
#8 X 1-1/2" PPH SMS
(HI-LO THREAD)
(14 TOTAL)

G2 GLAZING DETAIL
ODL LITE FRAME
EVOLVE (CLEAR)



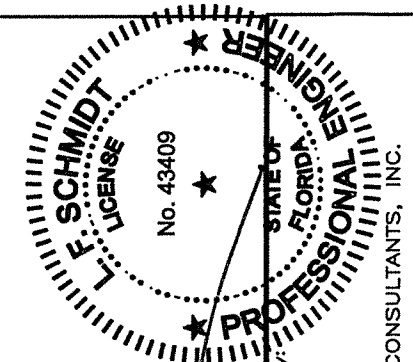
#8 X 1-1/2" PPH SMS
(HI-LO THREAD)
(14 TOTAL)

G3 GLAZING DETAIL
ODL LITE FRAME
EVOLVE (w/ BLINDS)



#8 X 1-3/8" PH SMS
(12 TOTAL OVAL LITE)
(12 TOTAL CAMBER TOP)
(6 TOTAL FAN LITE)

G4 GLAZING DETAIL
TKI PRODUCTS LITE FRAME



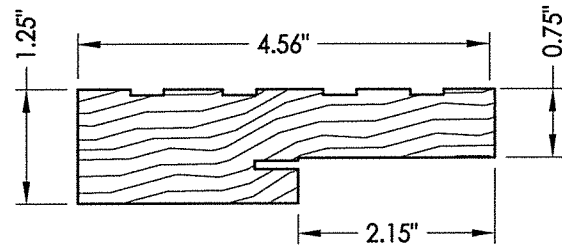
May 25, 2022

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

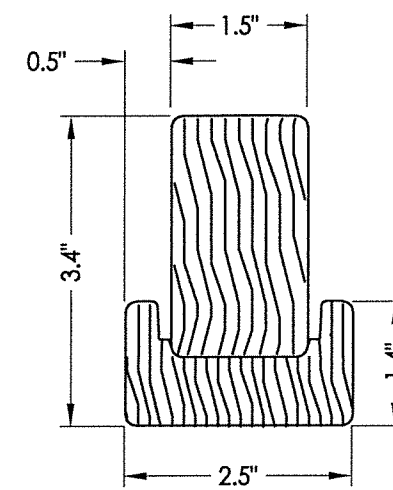
R.W.
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: STEVES & SONS FIBERGLASS DOOR	
PART OR ASSEMBLY: DOOR LITE FRAME & GLAZING DETAILS	
NO.	DATE
BY	REVISIONS
DATE:	4/26/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41471.1
SHEET	13 of 14

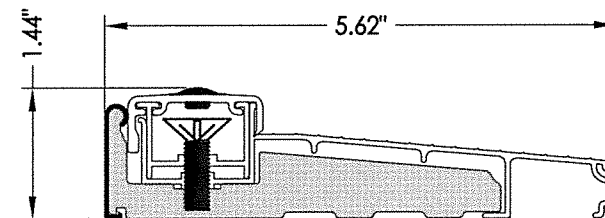
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB	WOOD
3	WOOD MULLION	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING SIDELITE ADAPTER	PVC
18	#8 X 3" SD TRIM SCREW	STEEL
20	#9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
23	#8 X 3/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#7 X 1-5/8" DRYWALL SCREW	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-



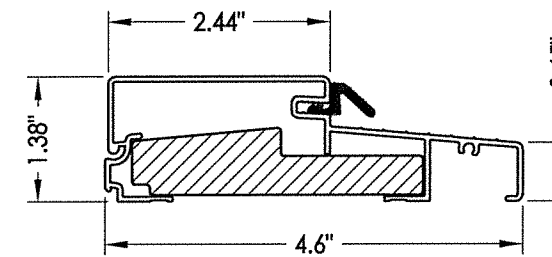
1 WOOD JAMB
FINGER JOINT PINE



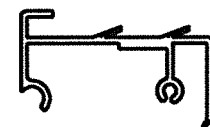
3 WOOD MULLION
CLEAR POPLAR



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia



17 INSWING SIDELITE SPACER
Columbia

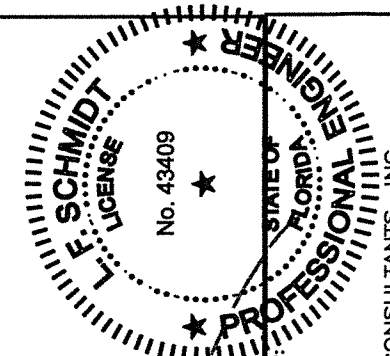
CONCRETE ANCHOR NOTES:

- 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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	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.



May 25, 2022
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

Professional Engineer

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

PRODUCT:
ALL SEASONS, INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 4/26/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41471.1
SHEET 14 OF 14