

[illegible]

SHEET 2 OF 8

PRODUCT:

DOERS

PART OR ASSEMBLY:

ELEVATION

01/20/2020
Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW

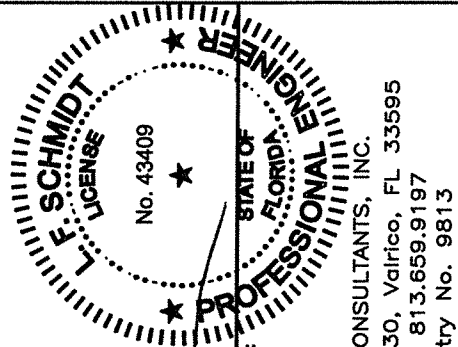
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

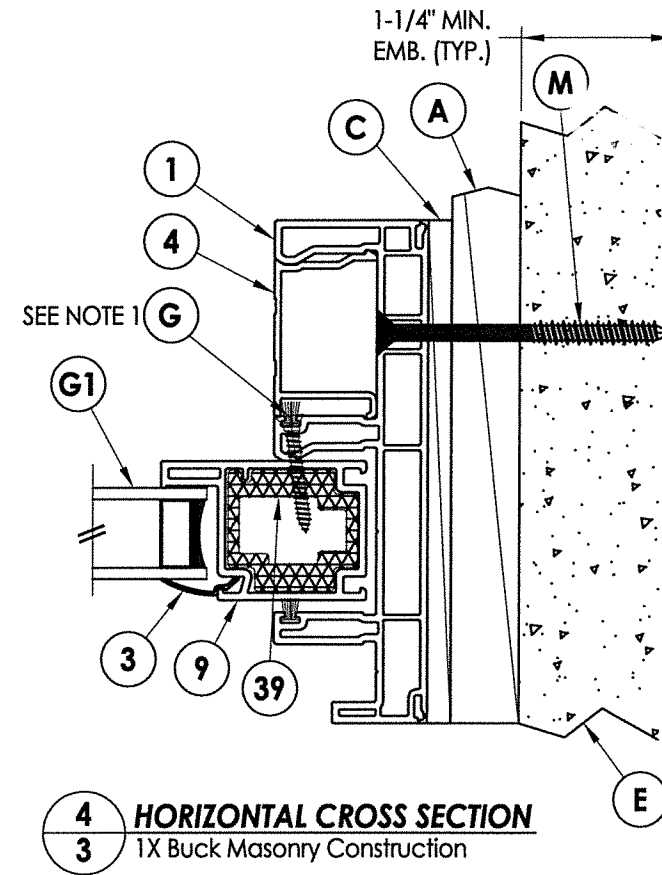
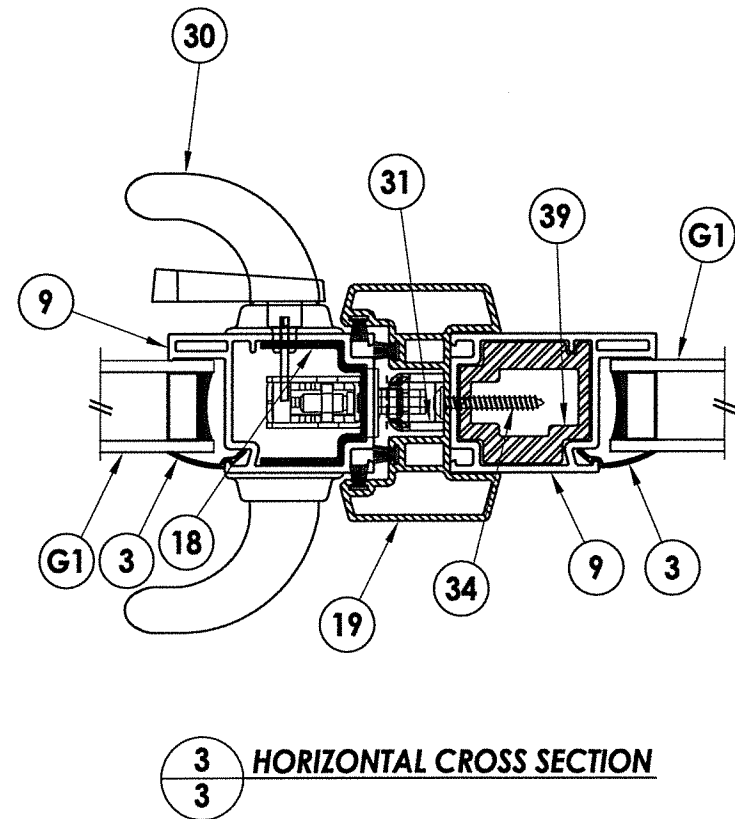
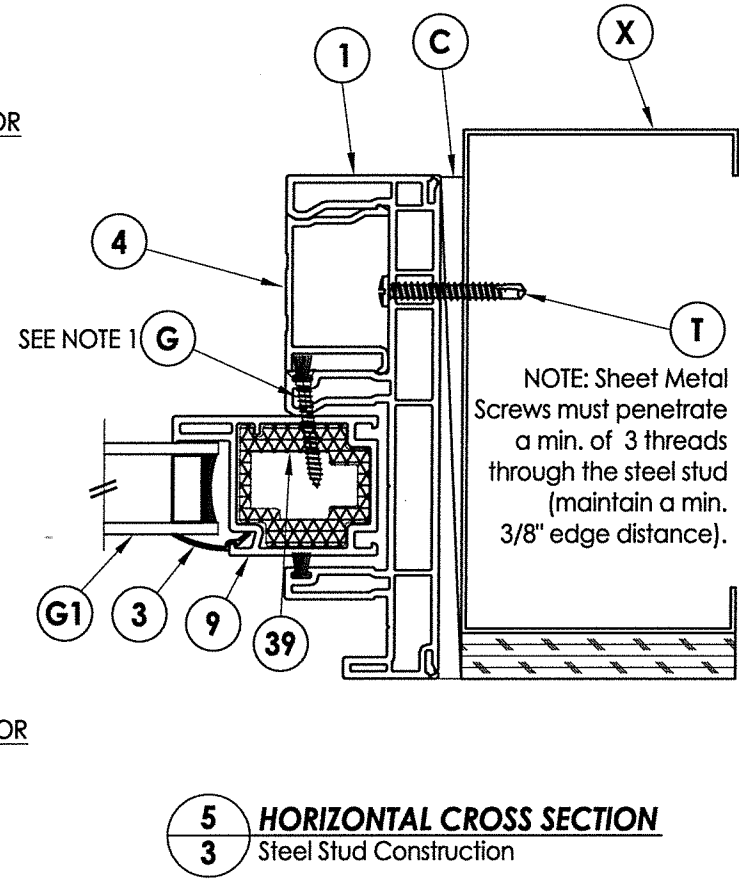
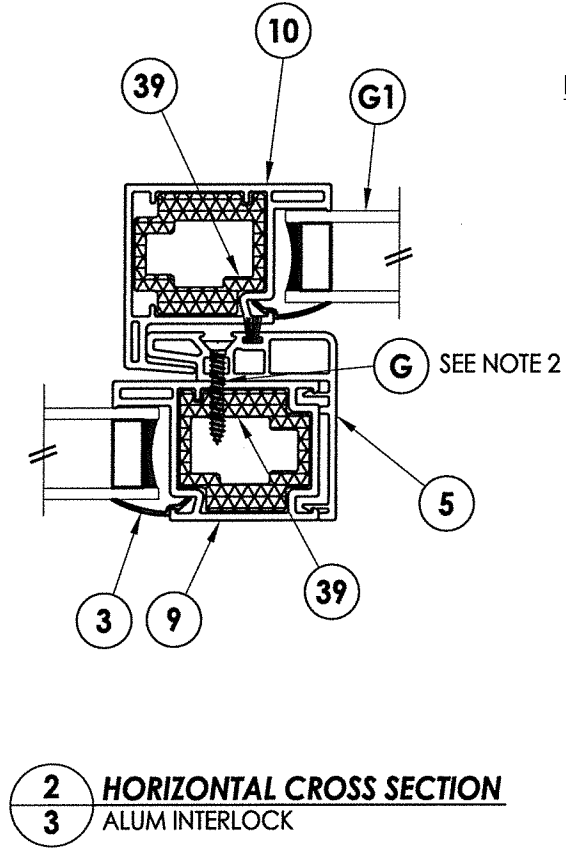
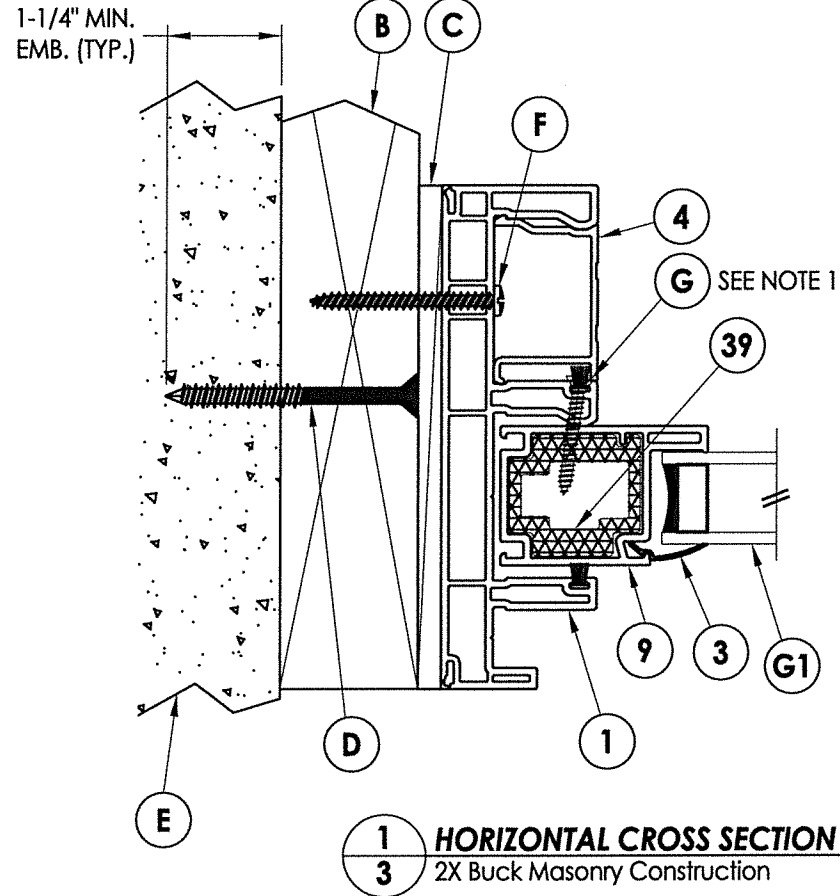
Phone No.: 813.659.9197

FBPE Registry No. 9813

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\\dc01\vwbc\Clients\Doers PERMANENTVA - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors - FL-15450.16.dwg



07/28/2020

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

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 43409

DATE: 06/08/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.16
SHEET 3 OF 8

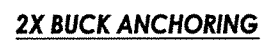
PRODUCT: DOERS

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	7/28/20	DAC	UPDATE TO 7th ED. (2020) FBC

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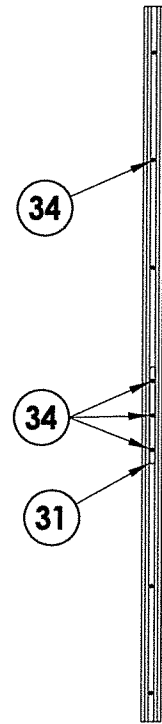
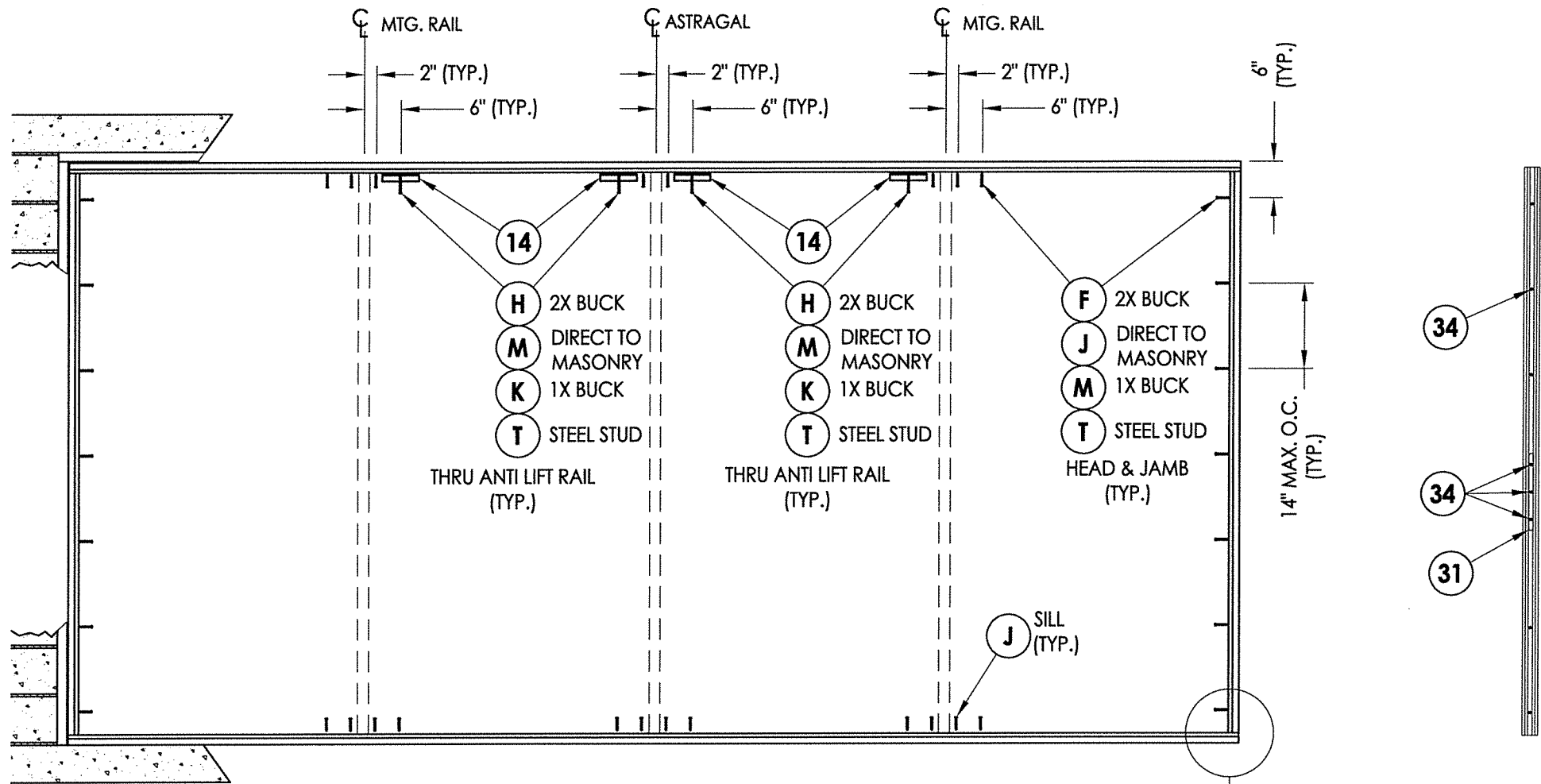
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. 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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

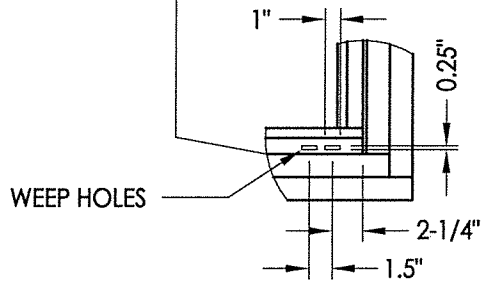
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

DATE: 06/08/18		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15450.16			
SHEET 5 OF 8			
NO.	DATE	UPDATE TO 7th.ED. (2020)	FBC
1	7/28/20		DAC
			BY
PRODUCT: DOERS			
PART OR ASSEMBLY:		BUCK ANCHORING	
07/28/2020 Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>RW</i> BUILDING COORDINATOR P.O. Box 233 Phone No.: FBPE Register			

\\dc01\rvbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.16.dwg



ASTRAGAL



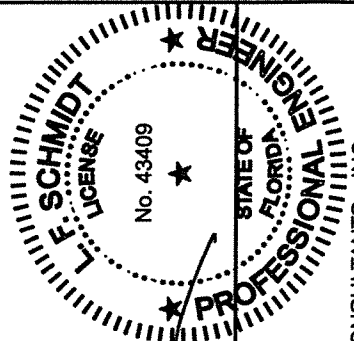
CONCRETE ANCHOR NOTES:

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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

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



07/28/2020

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

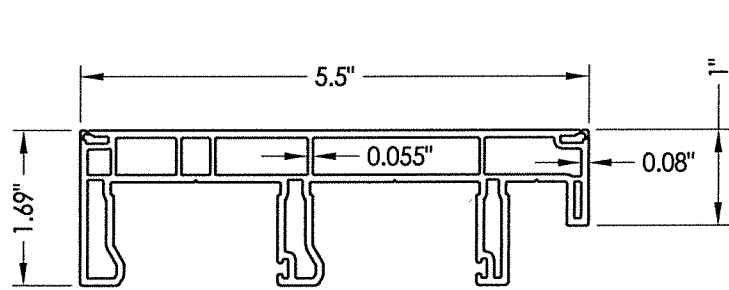
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: DOERS
PART OR ASSEMBLY: FRAME ANCHORING

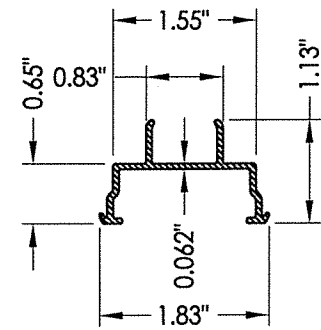
NO.	DATE	REVISIONS
1	7/28/20	UPDATE TO 7th.ED. (2020) FBC

DATE: 06/08/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.16
SHEET 6 OF 8

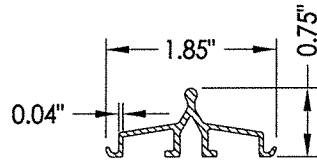
\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-15450 Exterior Doors - Sliding Patio Doors\C - Drawings\FL-15450 (2020)\FL-15450.16.dwg



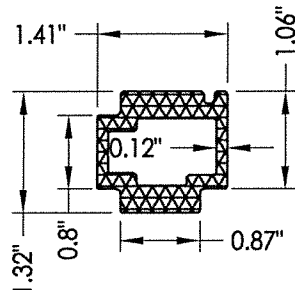
1 FRAME
8572-356-D60



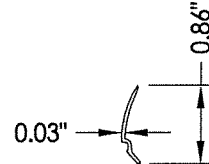
11 FIXED TRACK
356-A65



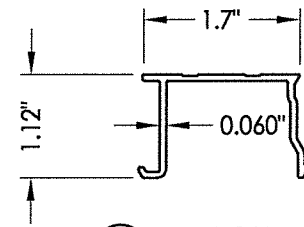
12 ROLLER TRACK
356-A51-52-TRK



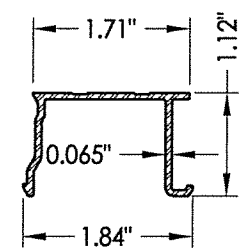
39 REINFORCEMENT
356-A1552



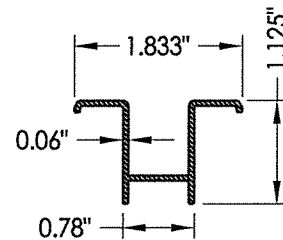
3 GLAZING BEAD
R1994



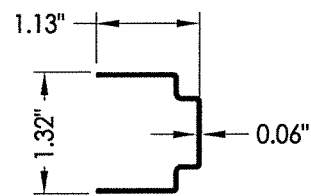
4 FRAME CAP
8571-356-D58



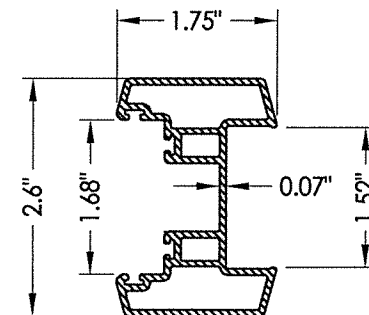
6 SILL CAP
356-A51-52-COV



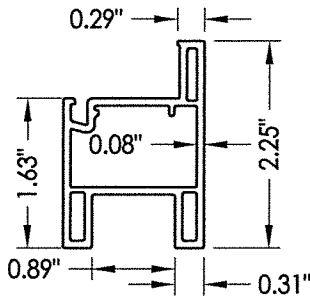
14 ANTI LIFT RAIL



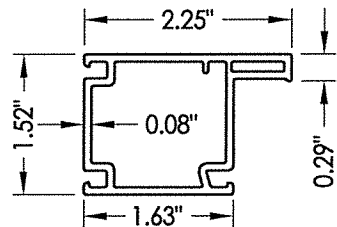
18 LOCK STILE STIFFENER
356-S1552-LR



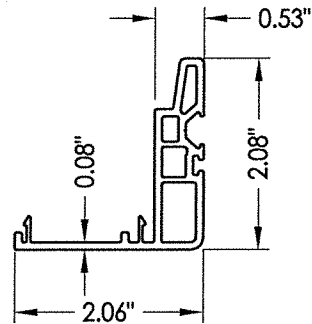
19 ASTRAGAL



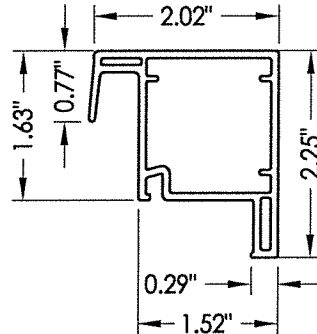
7 TOP AND BOTTOM RAIL
R1553



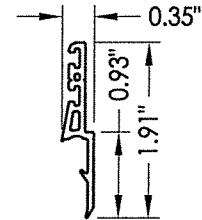
9 STILE
R1552



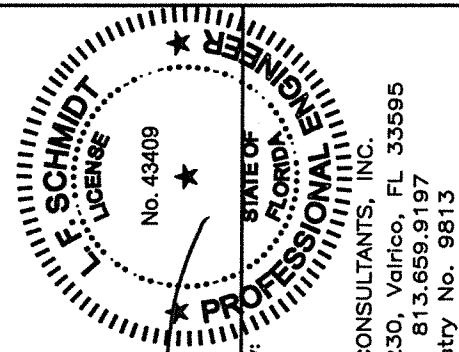
5 SNAP-ON INTERLOCK
R1556



10 MEETING RAIL
R1554



21 SILL RISER



07/28/2020
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:		DOERS	
		PART OR ASSEMBLY:	
		COMPONENTS	
NO.	DATE	REVISIONS	
		DAC	BY
1	7/28/20	UPDATE TO 7th ED. (2020)	FBC

DATE: 06/08/18
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15450.16
SHEET 7 OF 8

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO 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	#10 X 2" PPH SMS (1-3/16" MIN. EMBEDMENT)	STEEL
G	#8 X 1" PFH SMS	STEEL
H	#10 X 3" PPH SMS	STEEL
J	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 4" PFH ITW CONCRETE SCREW	STEEL
M	1/4" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
T	#10-16 PH SELF-DRILLING SMS	STEEL
X	STEEL STUD Min. Thk 0.054" (ASTM A653 GRADE 50 Fy=50 ksi min., Fu=65 ksi min.)	STEEL
1	FRAME*	RIGID PVC
3	GLAZING BEAD*	RIGID PVC
4	FRAME CAP*	RIGID PVC
5	SNAP-ON MEETING RAIL*	RIGID PVC
6	SILL CAP (6063-T5 ALUM)	ALUM
7	SASH TOP AND BOTTOM RAIL*	RIGID PVC
9	SASH STILE*	RIGID PVC
10	MEETING RAIL*	RIGID PVC
11	FIXED TRACK (6065-T5 ALUM)	ALUM
12	SILL ROLLER TRACK (6063-T5 ALUM)	ALUM
14	ANTI LIFT RAIL (6065-T5 ALUM)	ALUM
18	LOCK STILE STIFFENER	ALUM
19	ASTRAGAL (6065-T5 ALUM)	ALUM
20	WEATHERSTRIP	FOAM
21	SILL RISER*	RIGID PVC
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
34	#6 X 3/4" PPH SMS	STEEL
39	REINFORCEMENT (6063 T6)	ALUM

* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".

