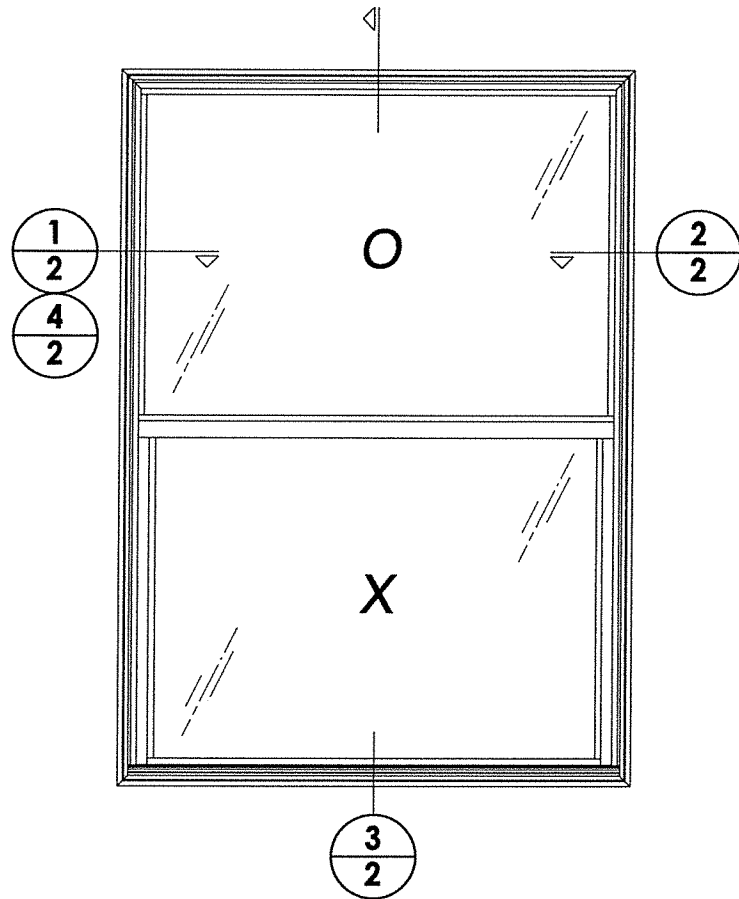
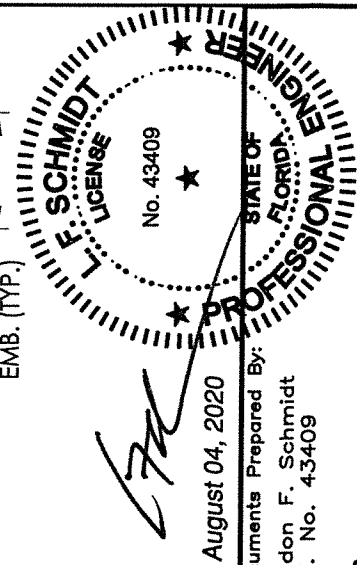
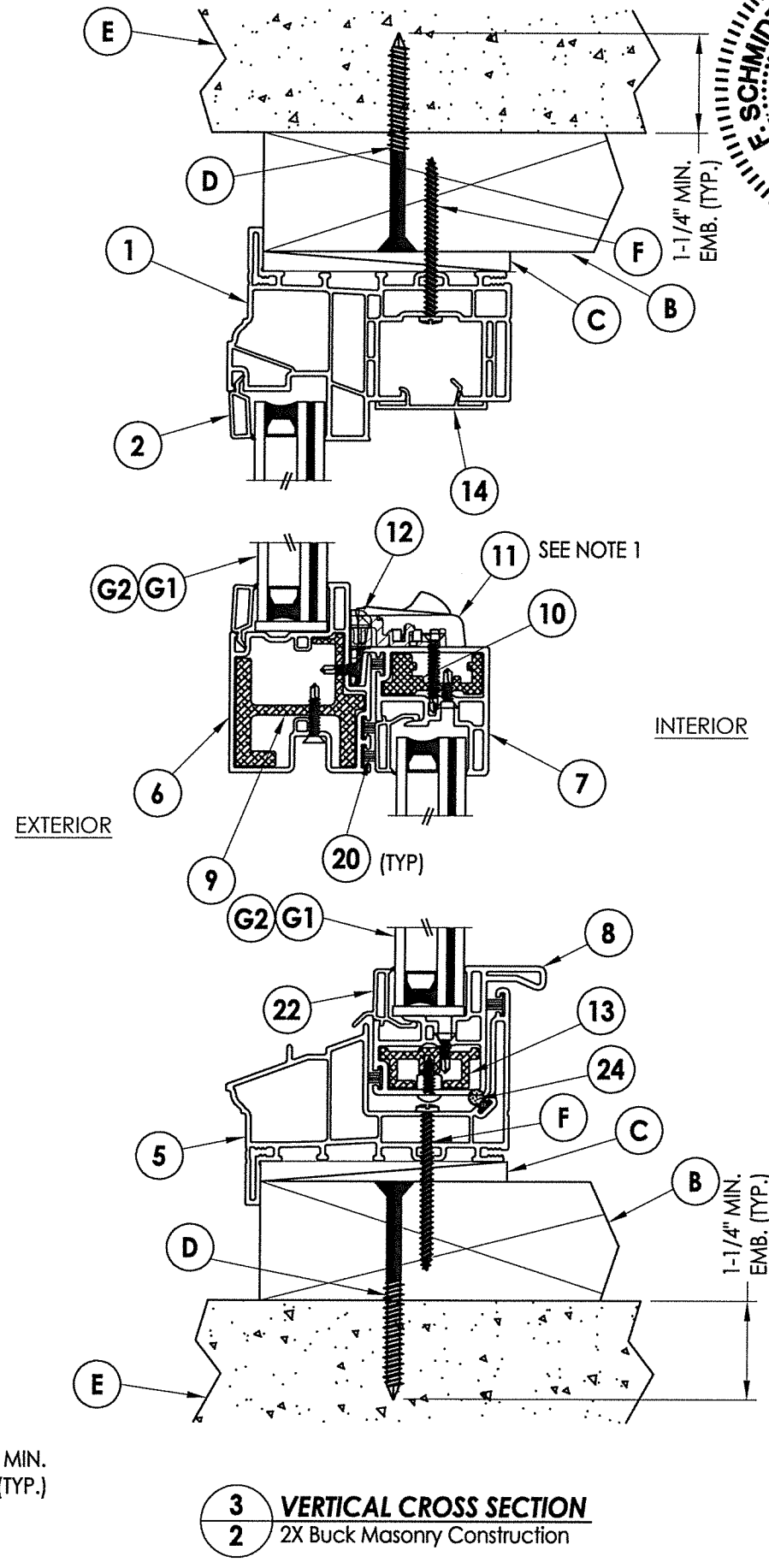
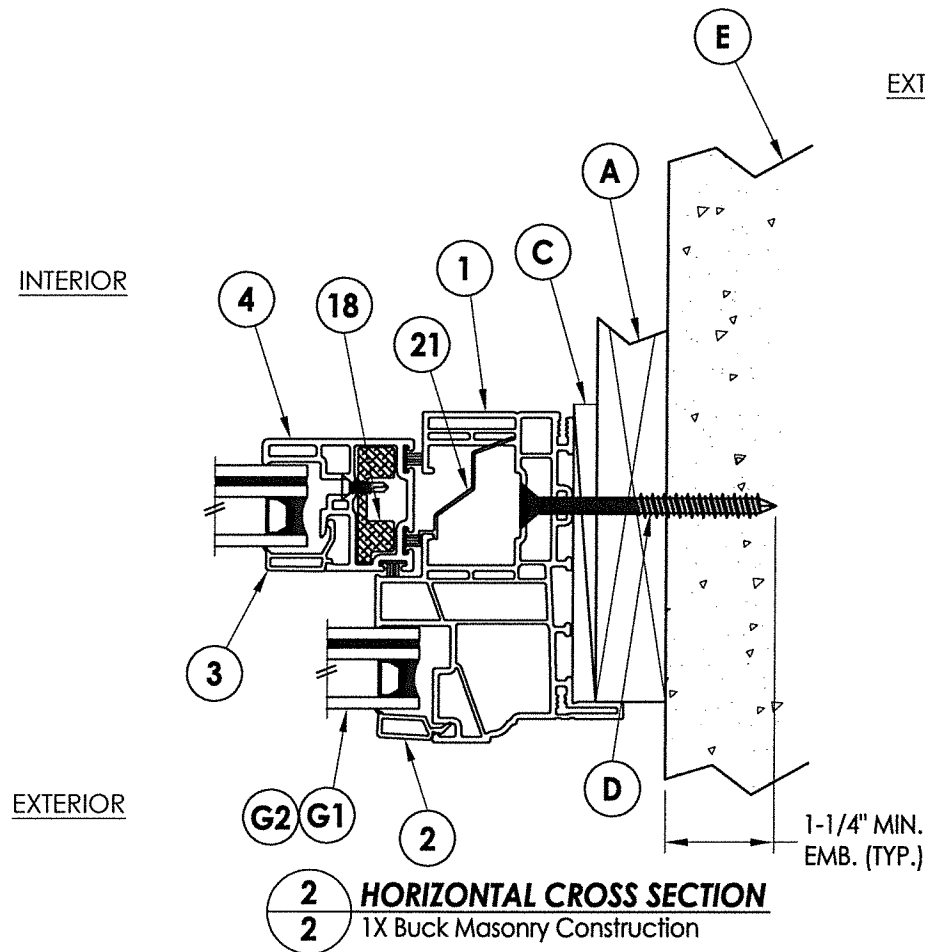
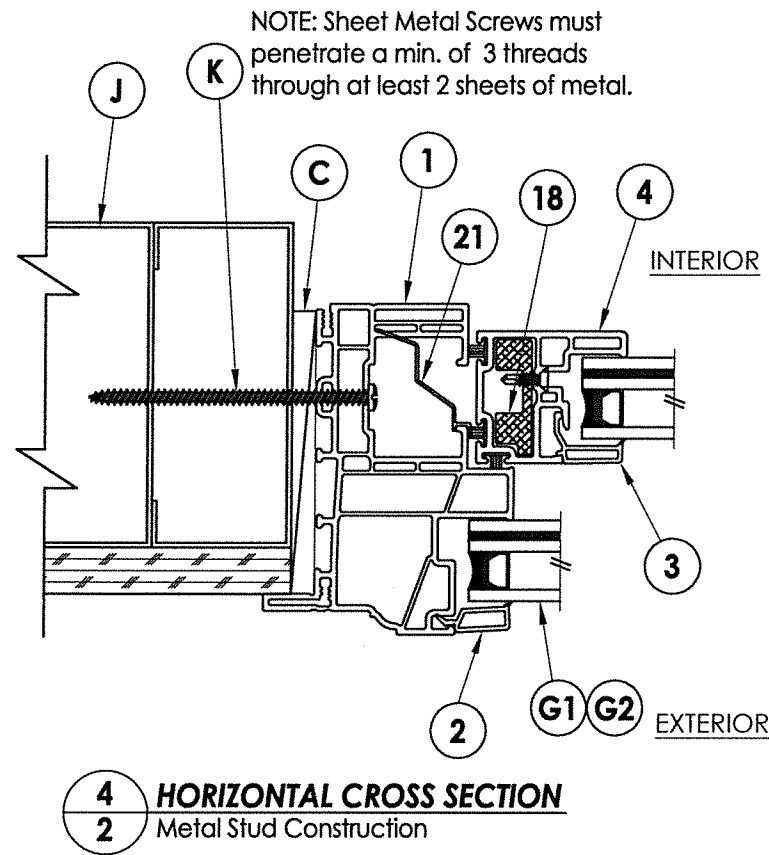
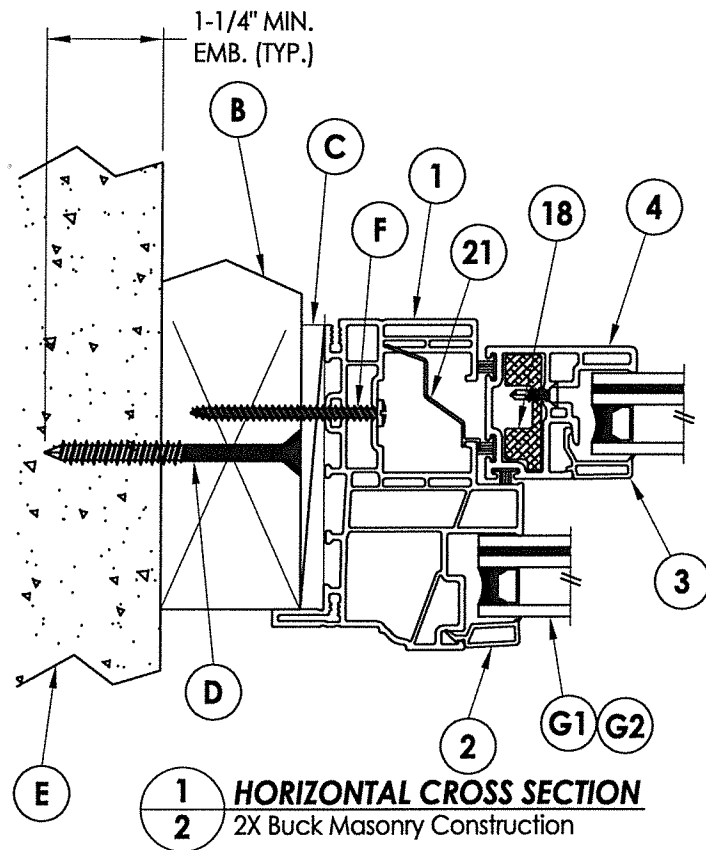


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\\dc01\vwbc\Clients\Doers PERMANENT\A - Florida Product Approvals\FL-16854 Windows - Single Hung\Drawings\FL-16854 (2020)\FL-16854.4.dwg



Note:
1. Lock and keeper located 7" from
each end of lock/meeting rail.

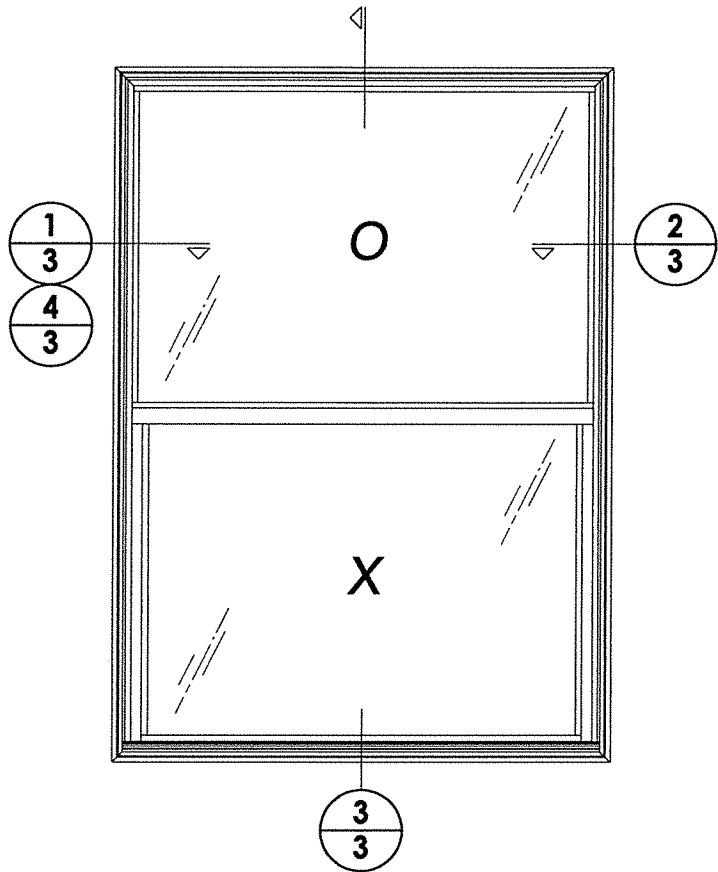


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

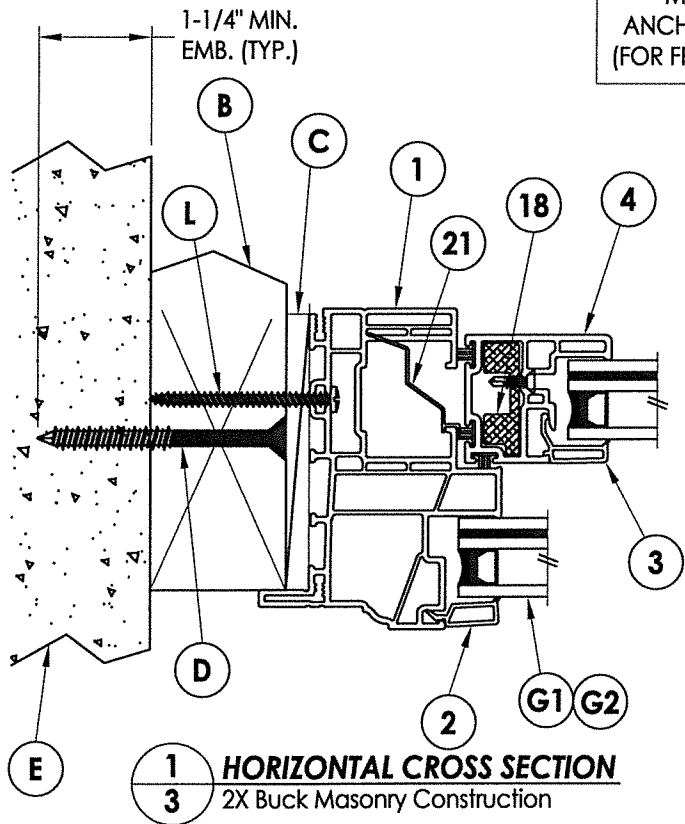
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		SINGLE HUNG WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
NO.	DATE	REVISIONS	BY
5	8/04/20	UPDATE TO 7TH ED. (2020)	DAC
4	10/08/17	UPDATE TO 6TH ED. (2017)	JK
3	2/13/17	ADDED 40x48 WINDOW SIZE	LFS
2	9/27/16	ADDED ALT. ANCHOR LOCATION	LFS
1	6/26/15	UPDATE TO 5TH ED. (2014)	FBC

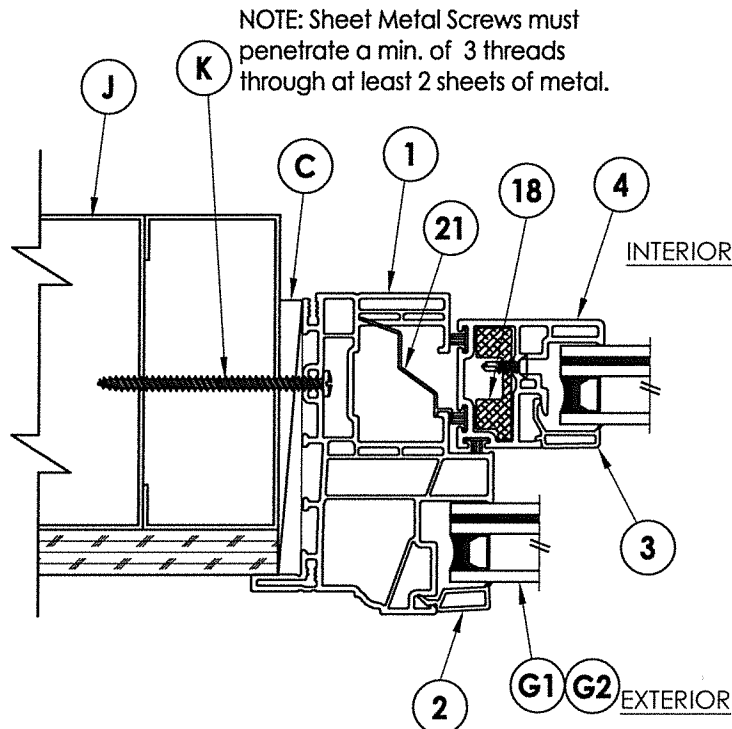
DATE: 2/19/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16854.4
SHEET 2 OF 6



Note:
1. Lock and keeper located 7" from each end of lock/meeting rail.

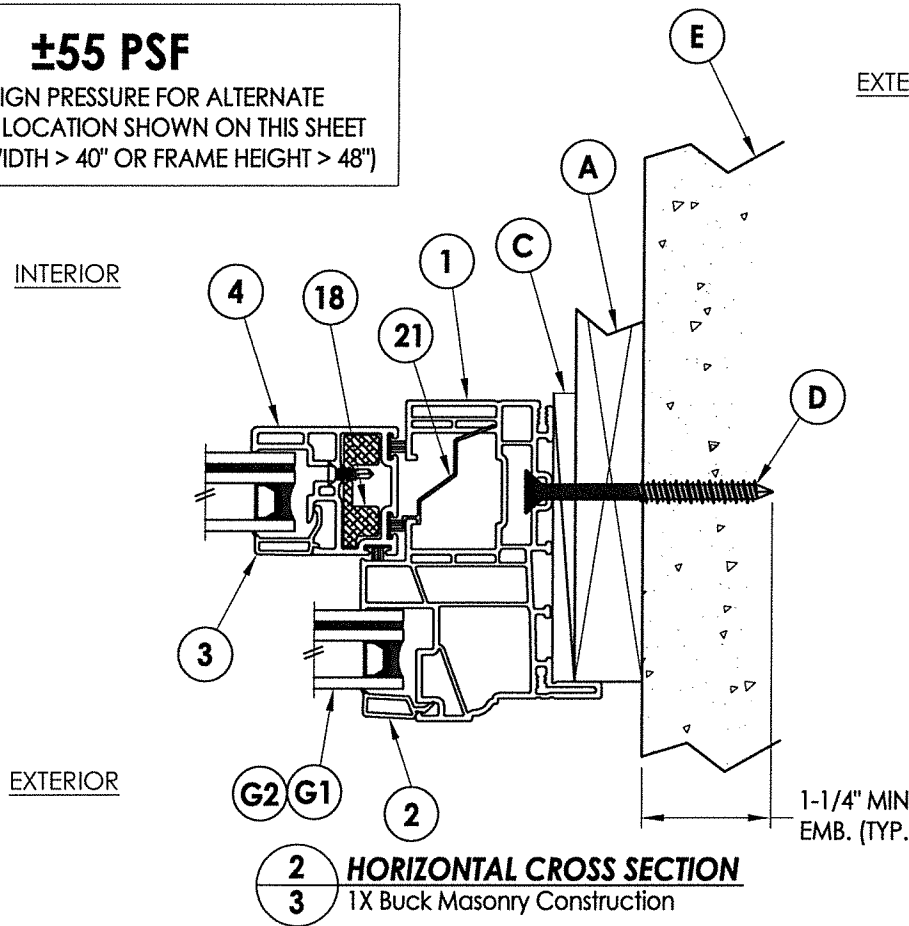


1
3 HORIZONTAL CROSS SECTION
2X Buck Masonry Construction

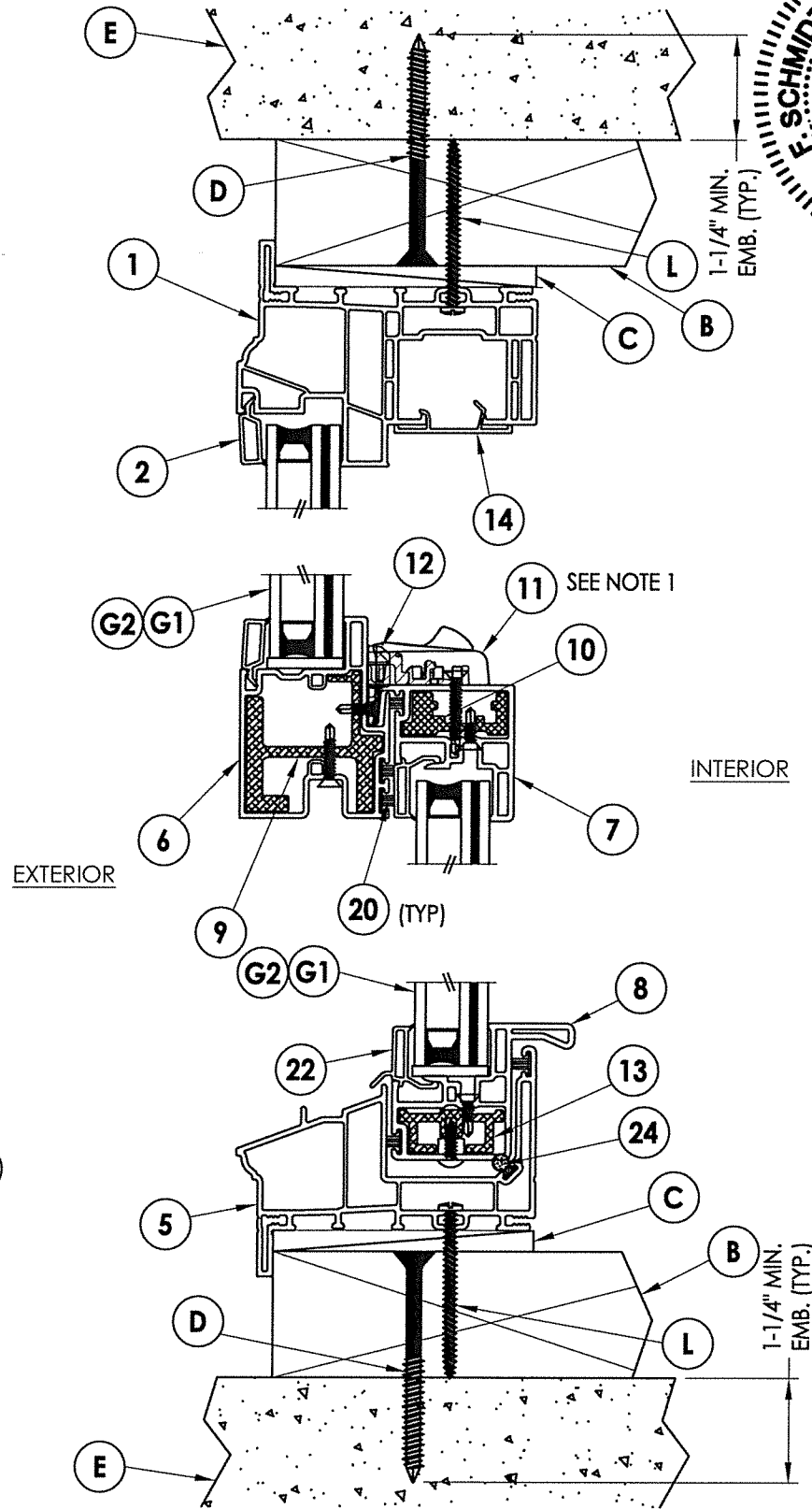


4
3 HORIZONTAL CROSS SECTION
Metal Stud Construction

±55 PSF
MAX. DESIGN PRESSURE FOR ALTERNATE ANCHORING LOCATION SHOWN ON THIS SHEET (FOR FRAME WIDTH > 40" OR FRAME HEIGHT > 48")



2
3 HORIZONTAL CROSS SECTION
1X Buck Masonry Construction



3
3 VERTICAL CROSS SECTION
2X Buck Masonry Construction

FLORIDA PROFESSIONAL ENGINEER
No. 43409
August 04, 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:		SINGLE HUNG WINDOW		PART OR ASSEMBLY:		VERTICAL & HORIZONTAL CROSS SECTIONS	
5	8/04/20	UPDATE TO 7TH ED. (2020)	FBC	DAC			
4	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
3	2/13/17	ADDED 40x48 WINDOW SIZE	LFS				
2	9/27/16	ADDED ALT. ANCHOR LOCATION	LFS				
1	6/26/15	UPDATE TO 5TH ED. (2014)	FBC				
NO.		DATE		BY		REVISIONS	
DATE:		2/19/14		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-16854.4		SHEET		3 OF 6	

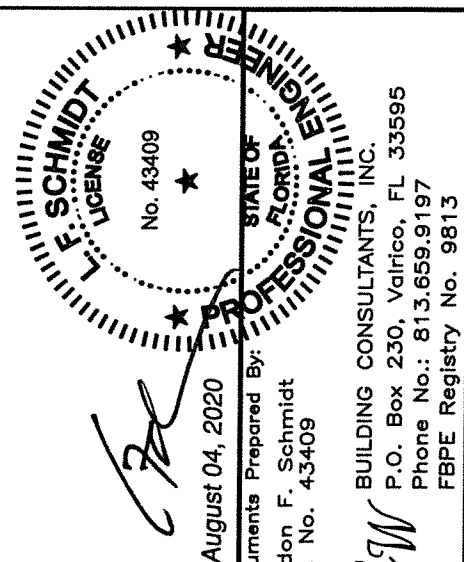
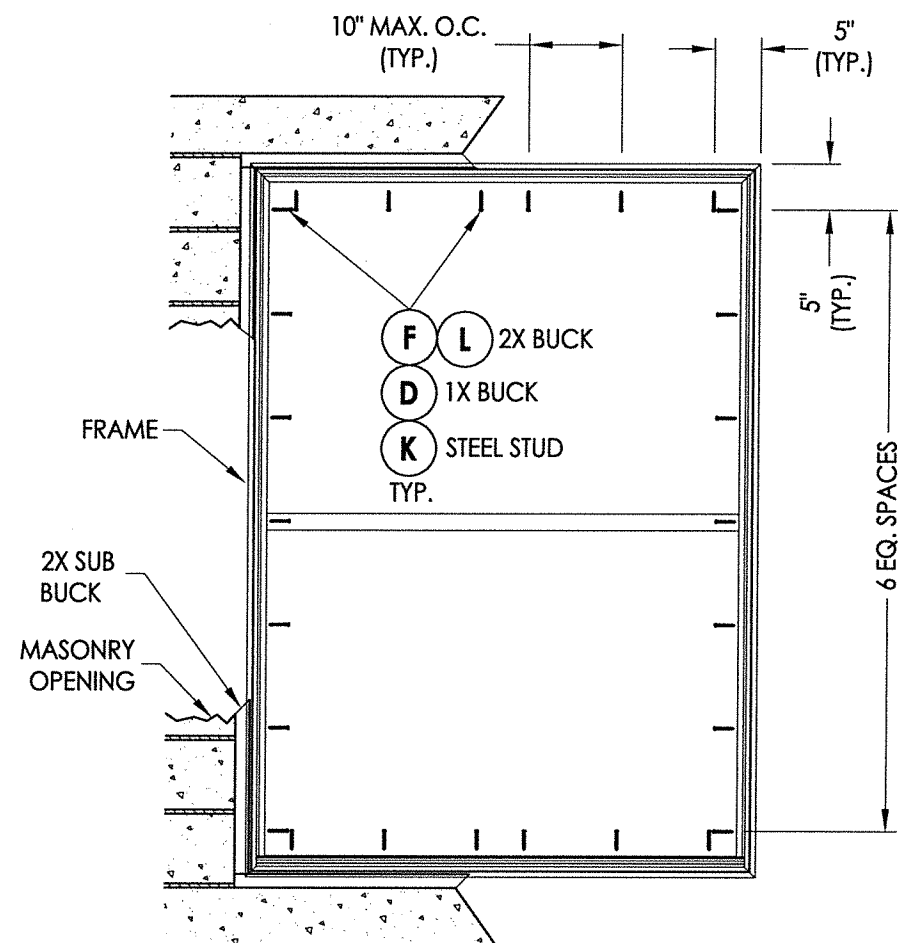
CONCRETE ANCHOR NOTES:

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"
DeWALT 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.



August 04, 2020

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT: SINGLE HUNG WINDOW

PART OR ASSEMBLY:

5	8/04/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
4	10/08/17	UPDATE TO 6TH ED. (2017)	FBC	JK
3	2/13/17	ADDED 40x48 WINDOW SIZE		LFS
2	9/27/16	ADDED ALT. ANCHOR LOCATION		LFS
1	6/26/15	UPDATE TO 5TH ED. (2014)	FBC	LFS
NO.	DATE	REVISIONS		

DATE: 2/19/14

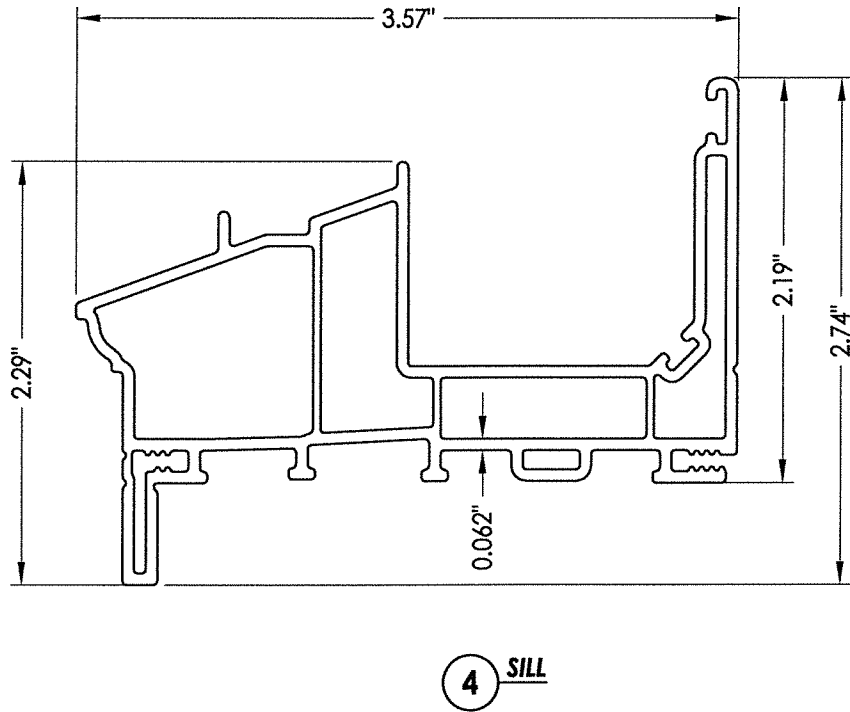
SCALE: *N.T.S.*

DWG. BY: JK

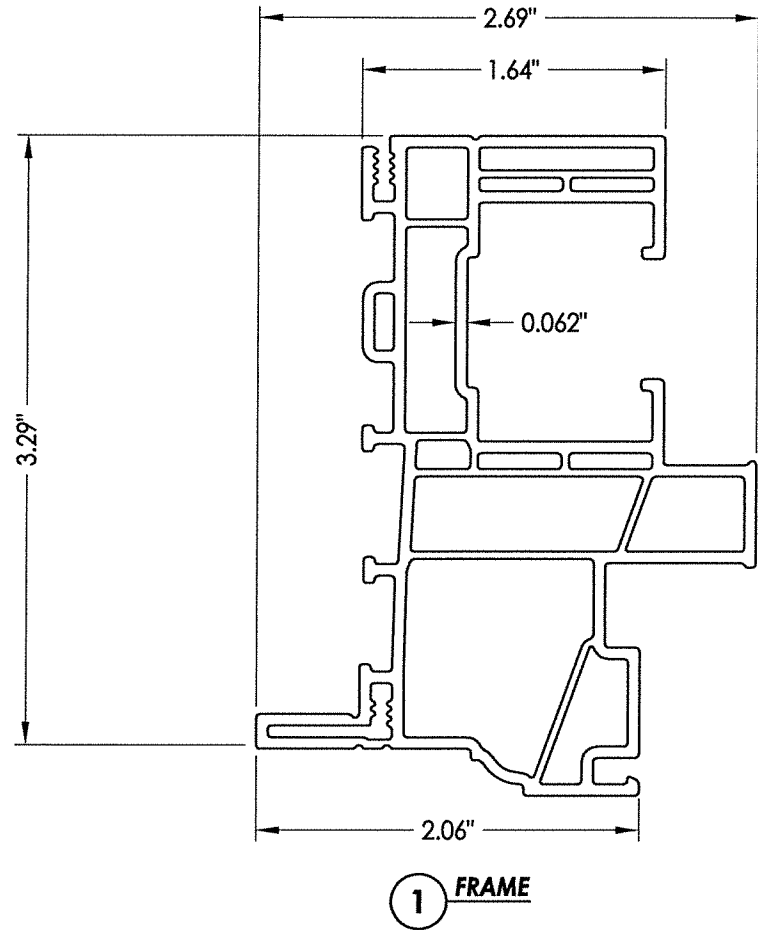
CHK. BY: LFS

DRAWING NO.:
EI-16854.1

SHEET 4 OF 6

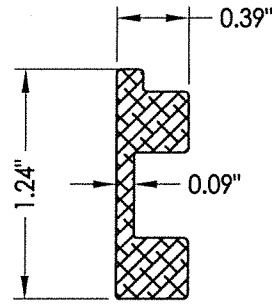


4 SILL

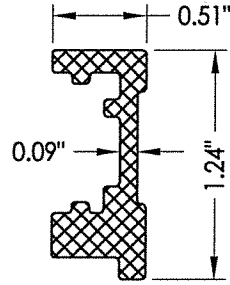


1 FRAME

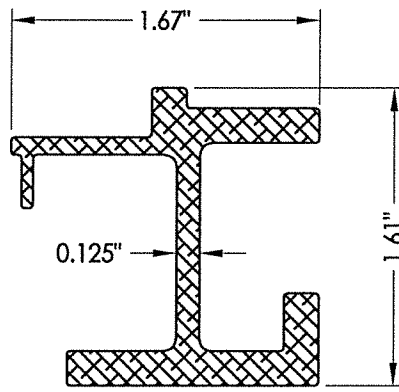
18 STILE REINFORCEMENT



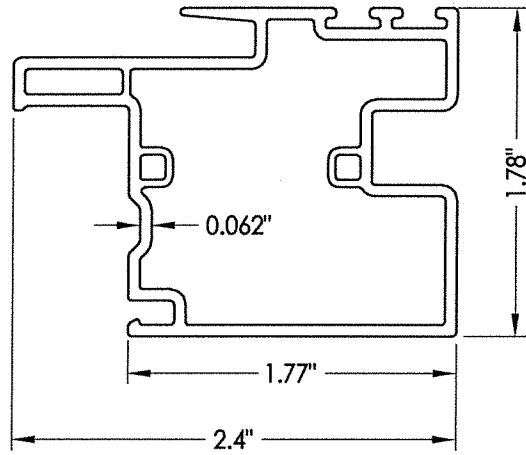
10 LOCK RAIL REINFORCEMENT



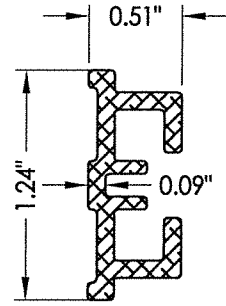
9 MEETING RAIL REINFORCEMENT



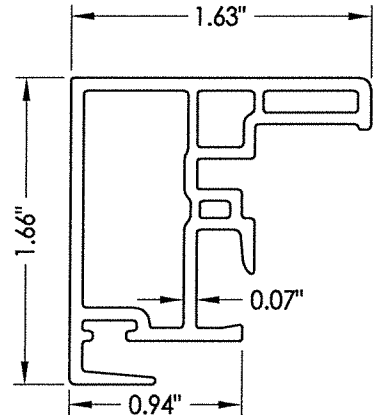
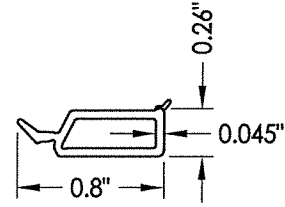
6 MEETING RAIL



13 BOTTOM RAIL REINFORCEMENT

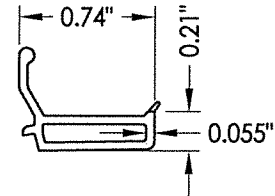


2 GLAZING BEAD

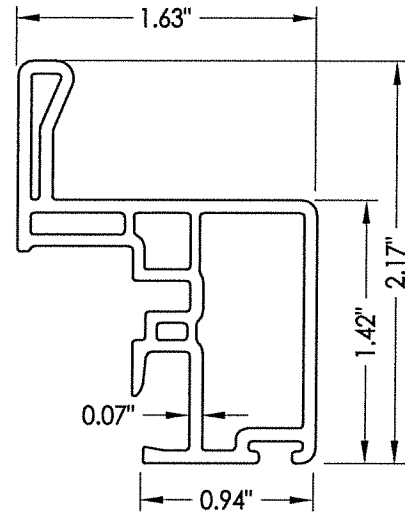


7 LOCK RAIL

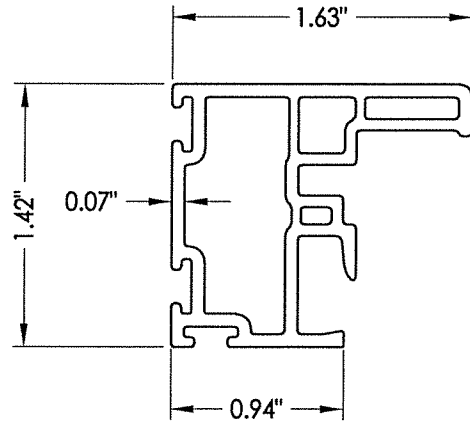
3 GLAZING BEAD



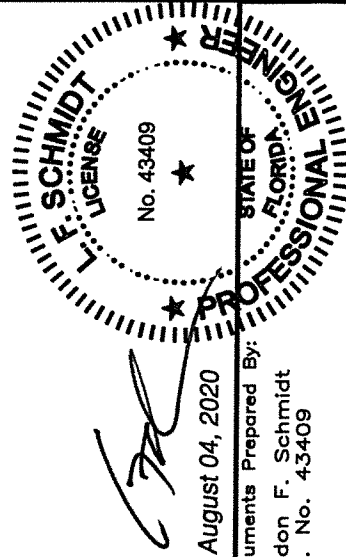
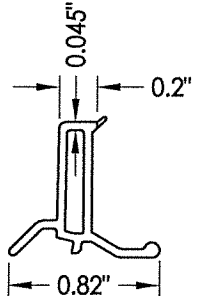
8 BOTTOM RAIL



5 STILE



22 GLAZING BEAD W/ Drip edge



August 04, 2020

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

PRODUCT:
SINGLE HUNG WINDOW

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS
5	8/04/20	UPDATE TO 7TH ED. (2020) FBC
4	10/08/17	UPDATE TO 6TH ED. (2017) FBC
3	2/13/17	ADDED 40x48 WINDOW SIZE
2	9/27/16	ADDED ALT. ANCHOR LOCATION
1	6/26/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 2/19/14

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-16854.4

SHEET 5 OF 6

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" 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	#10 X 2" PPH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
G	2X STUD (SG >= 0.55)	WOOD
H	#10 X 2-1/2" PPH SMS	STEEL
J	STEEL STUD Min. Thk .033" (ASTM A653 GRADE 33 Fy=33 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#10 X 2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	EXTRUDED VINYL FRAME (465)*	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD (736A)*	RIGID PVC
3	EXTRUDED VINYL GLAZING BEAD (425A)*	RIGID PVC
4	SILL (469)*	RIGID PVC
5	STILE (438)*	RIGID PVC
6	MEETING RAIL (477)*	RIGID PVC
7	LOCK RAIL (476)*	RIGID PVC
8	BOTTOM RAIL (485B)*	RIGID PVC
9	MEETING RAIL REINFORCEMENT	6063 - T5 ALUM
10	LOCK RAIL REINFORCEMENT	6063 - T5 ALUM
11	SASH LOCK	-
12	KEEPER	-
13	BOTTOM RAIL REINFORCEMENT	6063 - T5 ALUM
14	HEAD ADAPTER (473)*	RIGID PVC
18	STILE REINFORCEMENT	6063 - T5 ALUM
20	WEATHERSTRIP	-
21	BALANCE COVER (468)	RIGID PVC
22	EXTRUDED VINYL GLAZING BEAD W/ DRIP EDGE (467)*	RIGID PVC
24	BULB GASKET (AMESBURY)	FOAM

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

