

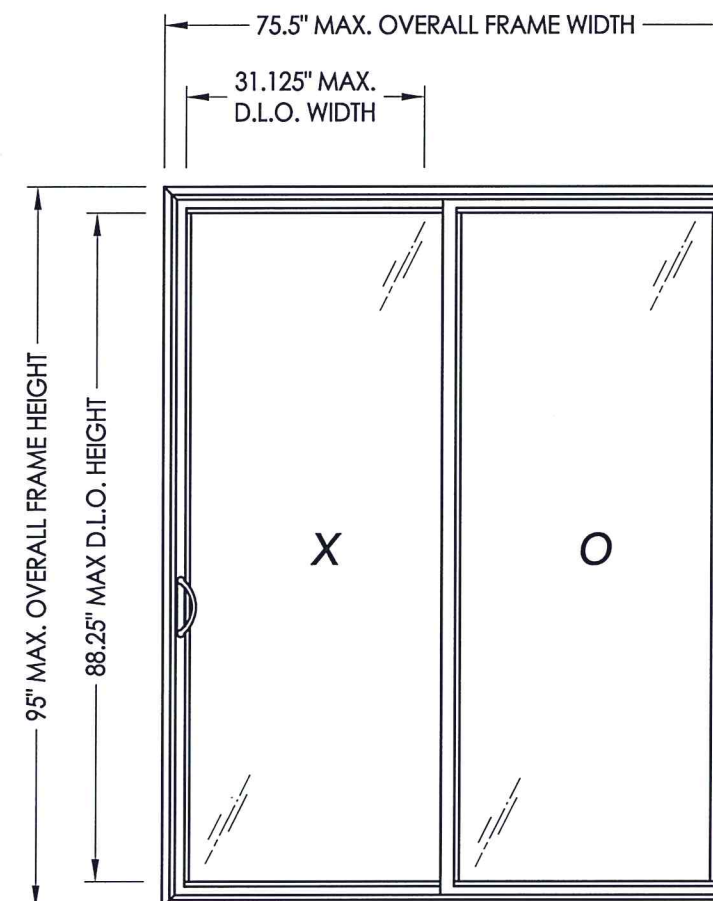


5000 Series Model 5200 Sliding Patio Door "NON-IMPACT"

GENERAL NOTES

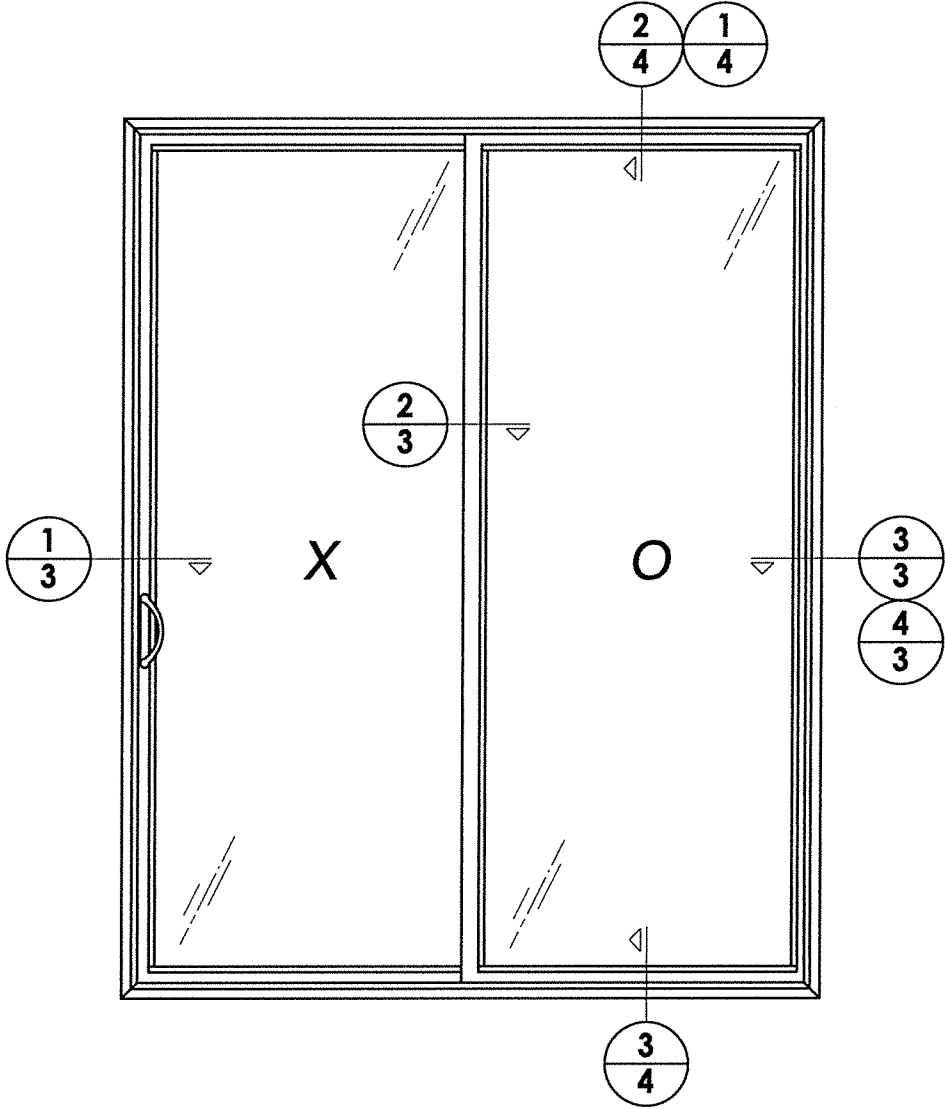
1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be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

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Elevation
3	Horizontal cross sections
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5	Buck and frame anchoring
6	Bill of materials, components and glazing detail



MAX FRAME DIMENSION	MAX D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
75.5" X 95.0"	31.125" X 88.25"	G1	+35.0	-40.0

		07/29/2020		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:		NewSouth		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DATE: 10/20/16		SCALE: N.T.S.			
DWG. BY: JK		CHK. BY: LFS			
DRAWING NO.: FL-15449.8		SHEET 1 of 6			
REVISIONS		NO. DATE			
3 7/29/20 UPDATE TO 7th ED. (2020) FBC		DAC			
2 1/22/18 ADD STEEL STUD ANCHORING		JK			
1 10/05/17 UPDATE TO 6TH ED. (2017) FBC		JK			
NO. DATE		BY			



DATE: 10/20/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15449.8
SHEET 2 OF 6

NO.	DATE	REVISIONS
3	7/29/20	UPDATE TO 7th ED. (2020) FBC
2	1/22/18	ADD STEEL STUD ANCHORING
1	10/05/17	UPDATE TO 6TH ED. (2017) FBC
		JK
		BY

PRODUCT: NewSouth
PART OR ASSEMBLY: ELEVATION

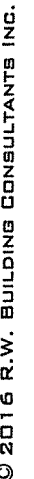
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PROFESSIONAL ENGINEER
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FBPE Registry No. 9813



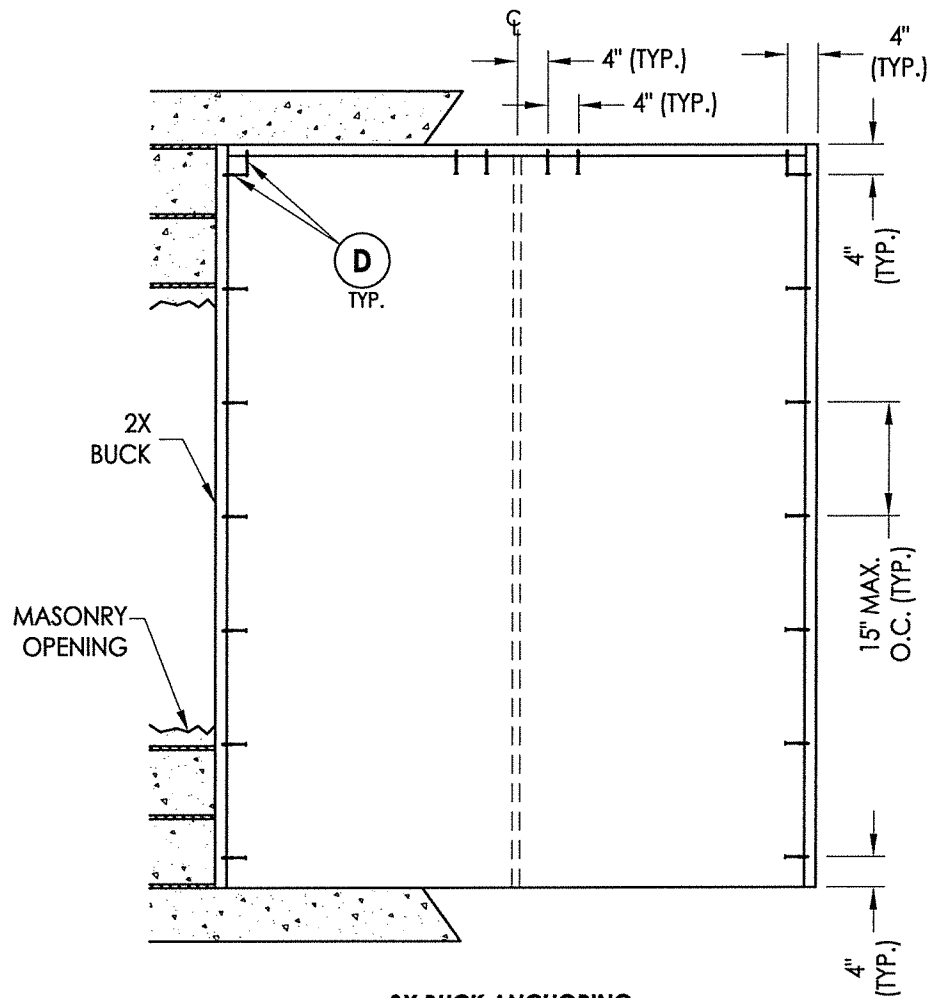
NOTE: Sheet Metal Screws must penetrate a min. of 3 threads through the steel stud (maintain a min. 3/8" edge distance).



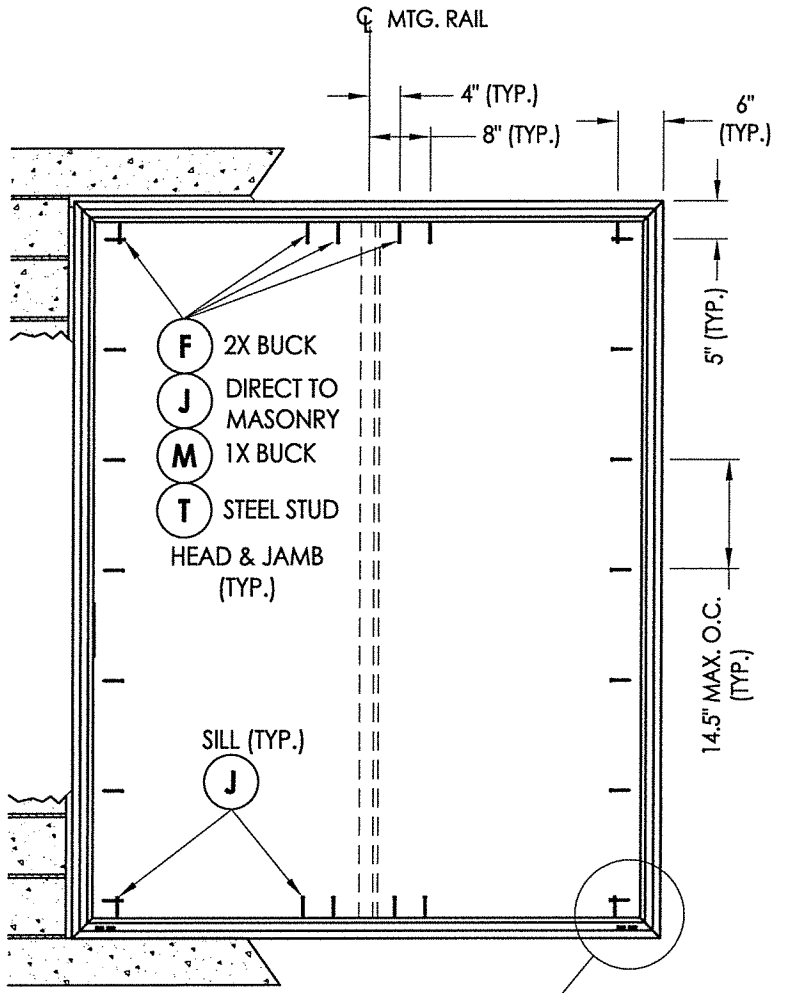
1. Item #G located 6" from each end then 4 more equally spaced (6) total.
2. Item #G located 3" from each end then 5 more equally spaced (7) total.



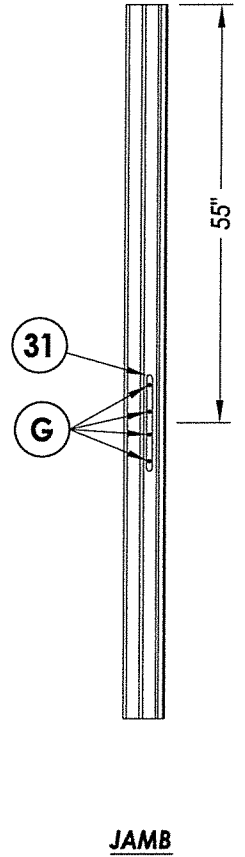
		STATE OF FLORIDA PROFESSIONAL ENGINEER	
<i>[Signature]</i> 07/29/2020		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PRODUCT: NewSouth		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
3	7/29/20	UPDATE TO 7th ED. (2020)	FBC DAC
2	1/22/18	ADD STEEL STUD ANCHORING	JK
1	10/05/17	UPDATE TO 6TH ED. (2017)	FBC JK
NO. DATE		BY	
REVISIONS			
DATE: 10/20/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-15449.8			
SHEET 4 OF 6			



2X BUCK ANCHORING



FRAME ANCHORING



JAMB

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.

07/29/2020
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PRODUCT: NewSouth

PART OR ASSEMBLY:
 BUCK AND FRAME ANCHORING

REVISIONS	
NO.	DATE
3	7/29/20
2	1/22/18
1	10/05/17

DATE: 10/20/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15449.8

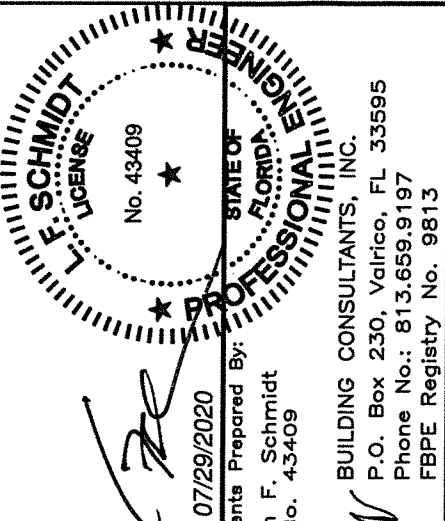
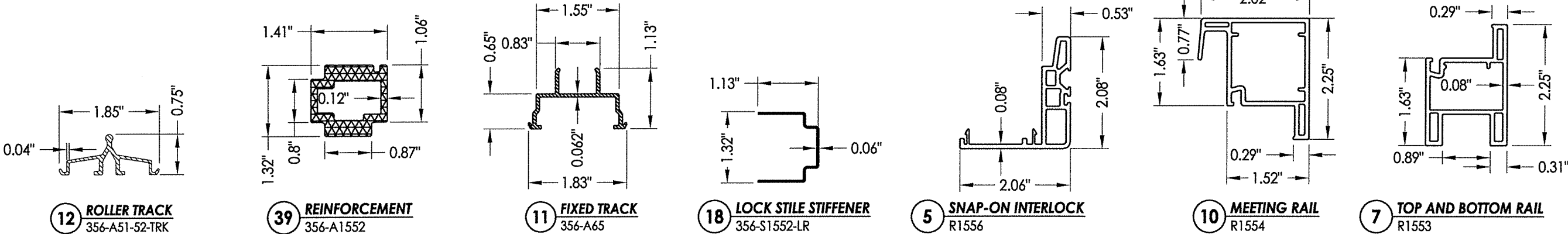
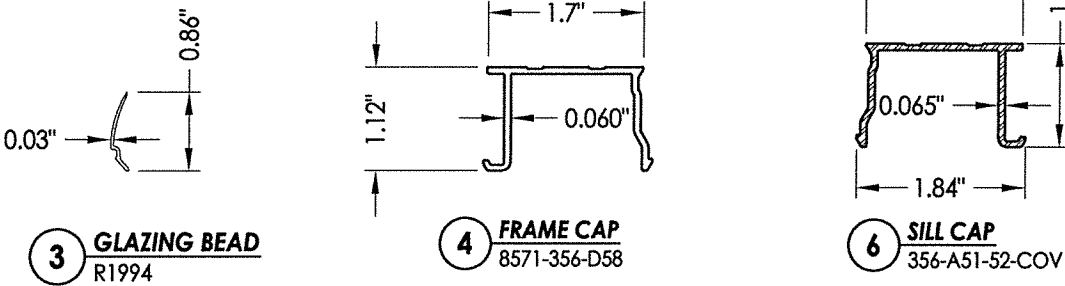
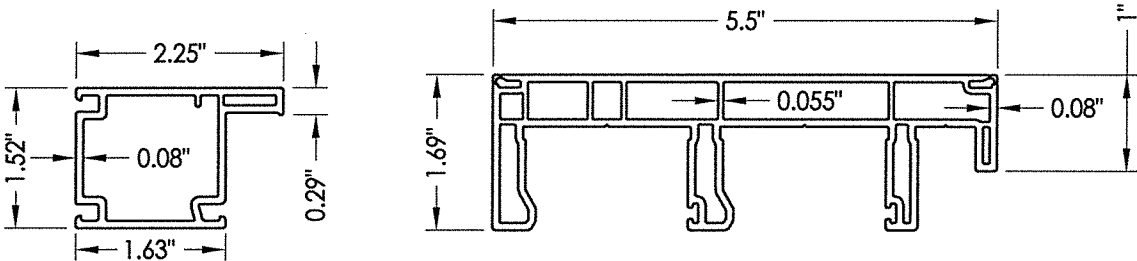
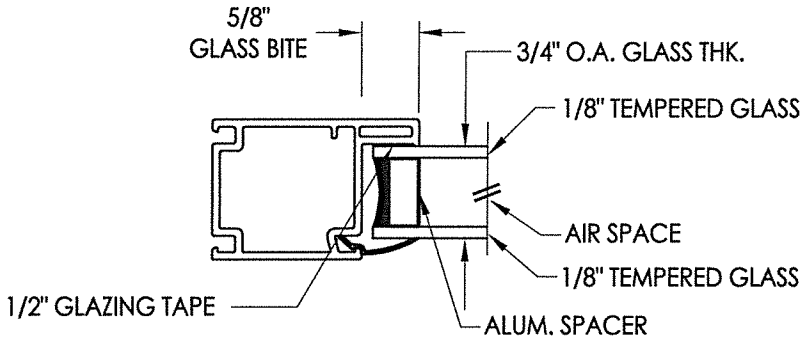
SHEET 5 OF 6

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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
J	1/4" X 2-1/4" 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
18	LOCK STILE STIFFENER	ALUM
25	ROLLER ASSM.	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
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".



PRODUCT: NewSouth		PART OR ASSEMBLY: BUILDING CONSULTANTS, INC.	
BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL		P.O. Box 230, Valrico, FL 33595	
		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	
DATE: 10/20/16		SCALE: N.T.S.	
DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-15449.8		SHEET 6 OF 6	