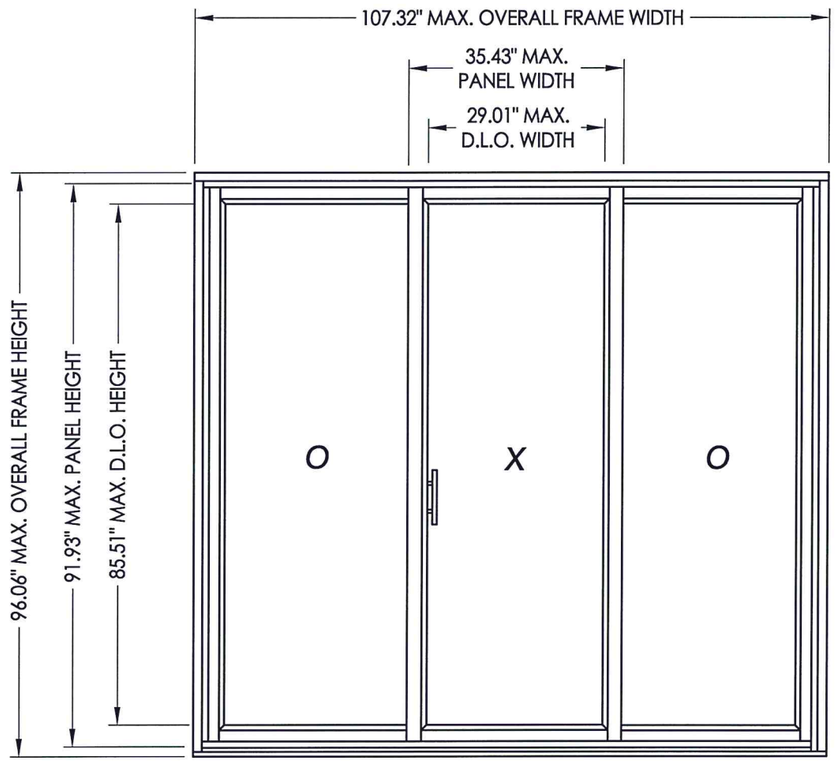
WINCORE™
WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

400/500 Series
Vinyl Sliding Patio Door
"NON-IMPACT"



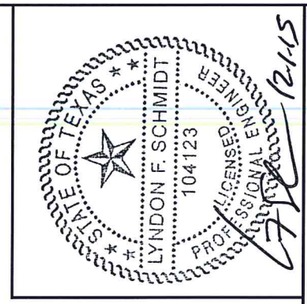
EVALUATED FOR USE IN THE STATE OF TEXAS

The Wincore Sliding Patio Door described herein complies with the 2006 International Residential Code (IRC), Sections R308.6 and the 2006 International Building Code (IBC), Sections 1405.12, 1609, 1714.5, 2403 and 2404 (including Texas revisions) subject to the following conditions:

1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond roof covering.
2. When used in areas requiring wind-borne debris protection this product is required to be protected with an impact resistant covering that complies with Section R301.2.1.2 of the IRC and Section 1609.1.2 of the IBC.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS	
SHEET#	***DESCRIPTION***
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Frame anchoring
4	Glazing details
5	Bill of materials & components

OVERALL FRAME DIMENSION	*MAX. PANEL DIMENSION*	*MAX. D.L.O. DIMENSION*	*GLASS TYPE*	*DESIGN PRESSURE (PSF)*	
				POSITIVE	*NEGATIVE*
107.32" x 96.06"	35.43" X 91.93"	29.01" X 85.51"	G1, G2, G3	+35.0	-35.0



Documents Prepared By: Lyndon F. Schmidt, P.E.
TEXAS P.E. #104123

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

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *400/500 SERIES SLIDING PATIO DOORS*

PART OR ASSEMBLY: *TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES*

NO.	DATE	BY	REVISIONS

DATE: 9/4/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4467
SHEET 1 OF 5

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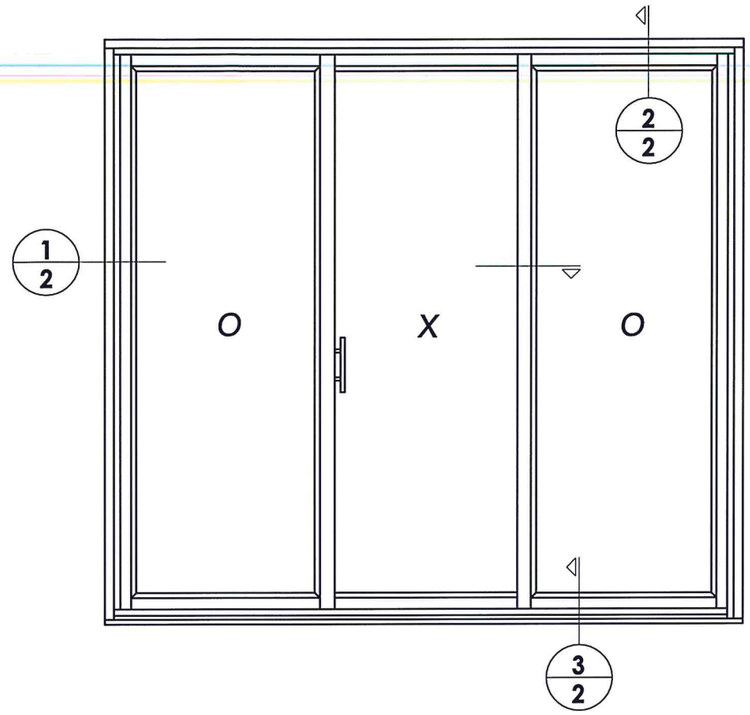
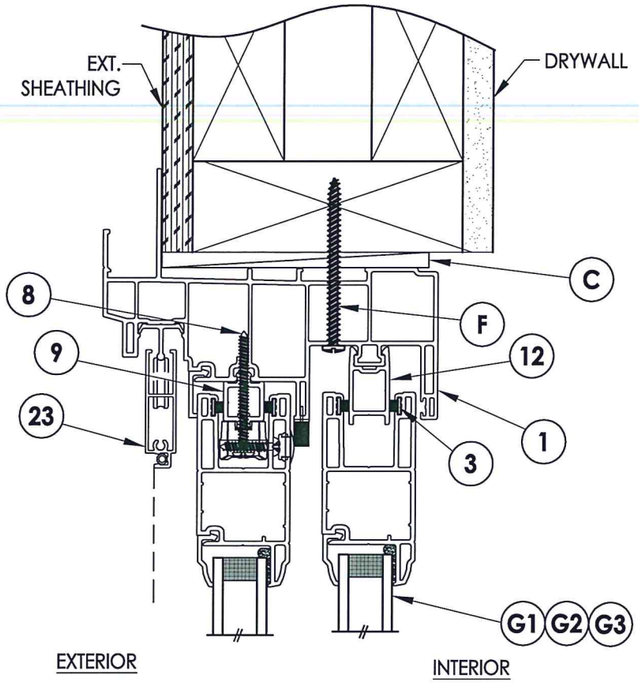
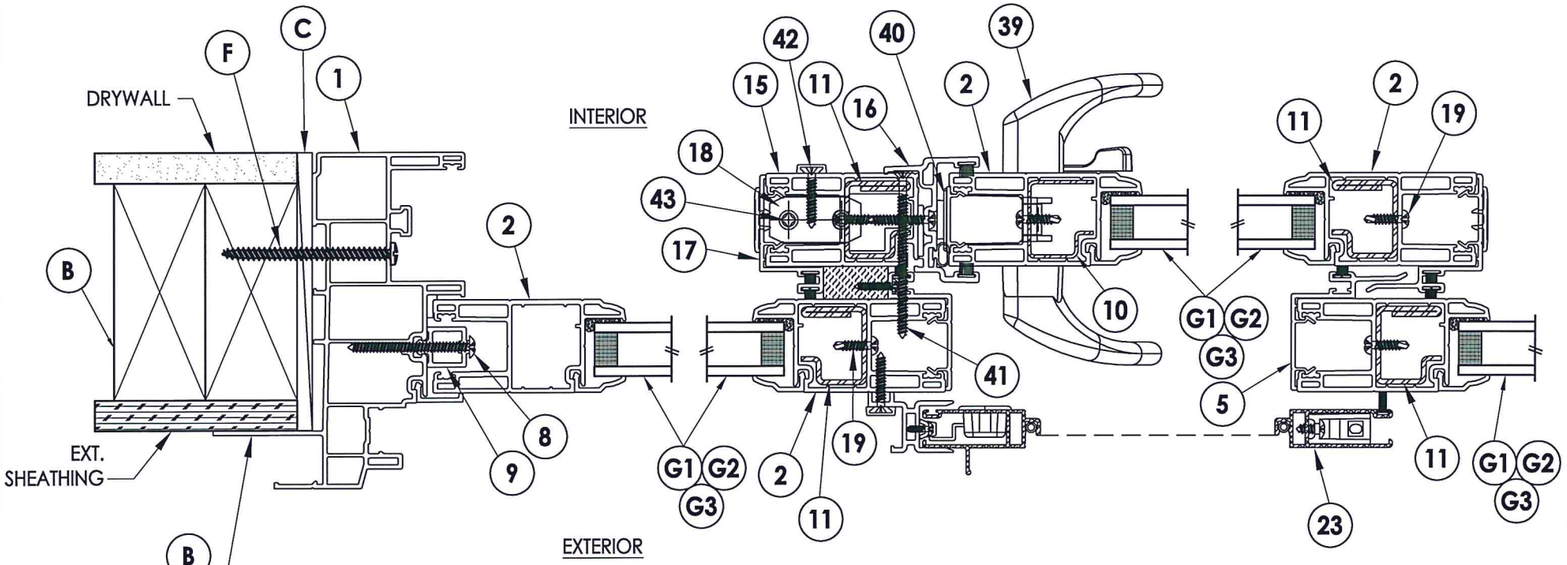


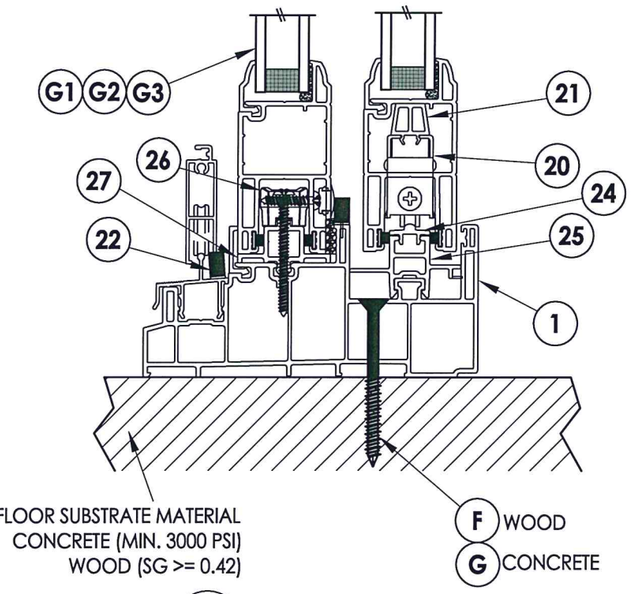


2/2 **VERTICAL CROSS SECTION**



NOTE: Install sealant under fin when optional fin installation is used. Anchor through frame as shown - anchors not required through fin.

1/2 **HORIZONTAL CROSS SECTION**



3/2 **VERTICAL CROSS SECTION**

STATE OF TEXAS
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *400/500 SERIES SLIDING PATIO DOORS*

PART OR ASSEMBLY: *HORIZONTAL & VERTICAL CROSS SECTIONS*

NO.	DATE	BY
REVISIONS		

DATE: 9/4/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4467
SHEET 2 OF 5

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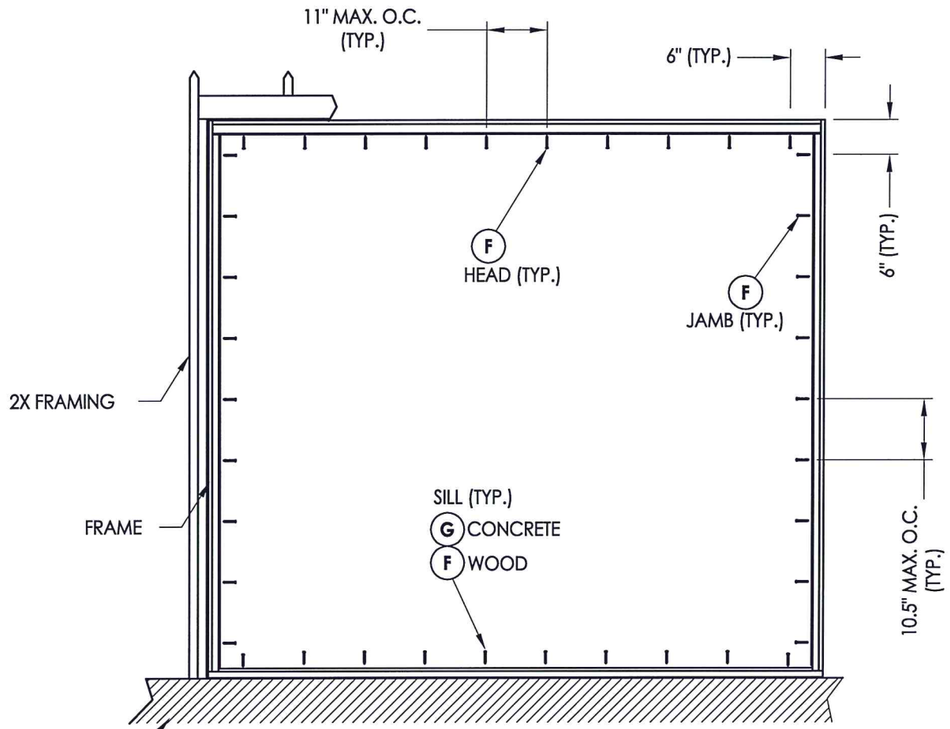

FRAME ANCHORING

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®	1/4"	1-3/4"	1-1/2"	4"
ELCO ULTRACON®	1/4"	1-3/4"	2-1/2"	3"

STATE OF TEXAS
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9/4/14

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *400/500 SERIES SLIDING PATIO DOORS*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	BY	REVISIONS

DATE: 9/4/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4467
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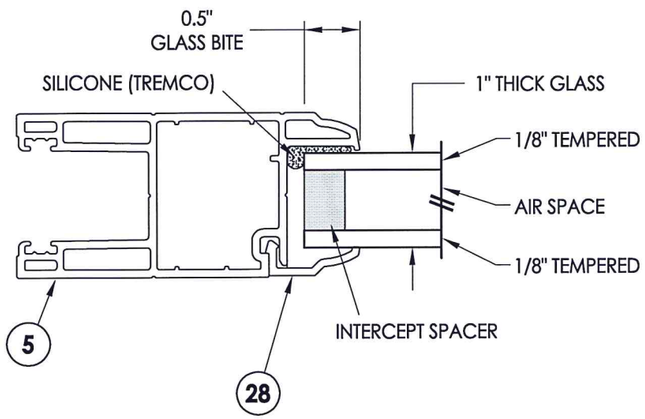
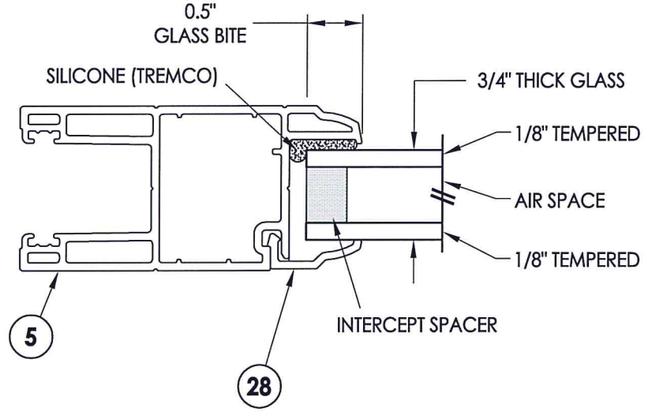
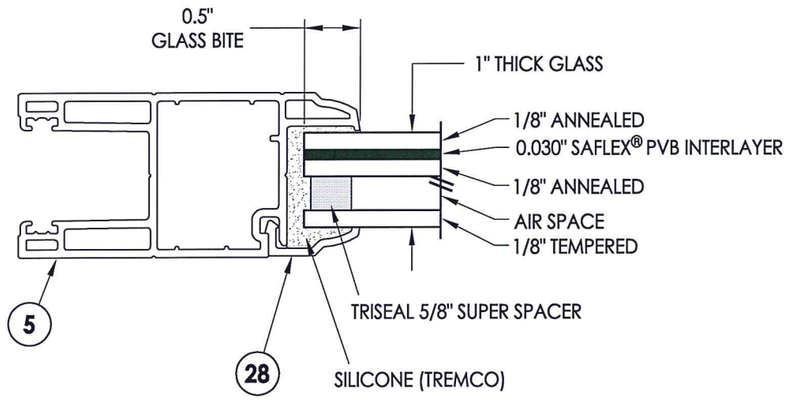


G1 **GLAZING DETAIL**



G2 **GLAZING DETAIL**



G3 **GLAZING DETAIL**

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: 400/500 SERIES SLIDING PATIO DOORS

PART OR ASSEMBLY: GLAZING DETAILS

NO.	DATE	REVISIONS	BY

DATE: 9/4/14
SCALE: N.T.S.
DWG. BY: JK
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SHEET 4 OF 5

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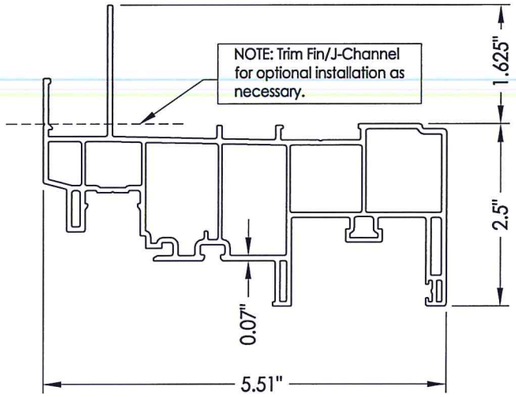
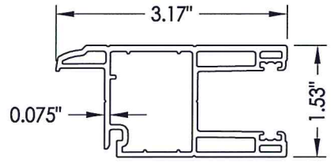
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#10 PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT REQ'D INTO WOOD)	STEEL
G	1/4" ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT REQ'D. INTO CONCRETE)	STEEL
1	FRAME*	PVC
2	STILE/RAIL*	PVC
3	WEATHERSTRIP (SCHLEGEL #HF-7522-270)	-
4	GLAZING BEAD*	PVC
5	INTERLOCK*	PVC
6	JAMB TRACK*	PVC
7	WEATHERSTRIP (SCHLEGEL #PB-8420-187)	-
8	#8 X 2" PAN HEAD QUADREX SCREW	STEEL
9	FIXED SUPPORT PANEL*	PVC
10	STILE REINFORCEMENT	STEEL
11	STILE REINFORCEMENT	STEEL
12	HEAD TRACK*	PVC
15	MULLION*	PVC
16	MULLION CAP*	PVC
17	MULLION INTERLOCK*	PVC
18	MULLIN ANCHOR BLOCK	-
19	#8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW	STEEL
20	TANDEM WHEEL (TRUTH)	-
21	TANDEM WHEEL SHIM*	PVC
22	INSECT STOP	-
23	SCREEN	-
24	SLIDING PANEL RAIL	ALUM
25	OPERATING PANEL SUPPORT*	PVC
26	FIXED SASH ANCHOR BLOCK	-
27	FIXED PANEL SUPPORT*	PVC
39	HANDLE KIT	STEEL
40	MORTISE LOCK KIT/KEEPER	S.S.
41	#8 X 2-3/4" FLAT HEAD QUADREX WOOD SCREW	STEEL
42	#8 X 1" FLAT HEAD QUADREX WOOD SCREW	STEEL
43	#10 X 2-1/2" FLAT HEAD QUADREX WOOD SCREW	STEEL

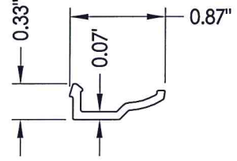
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



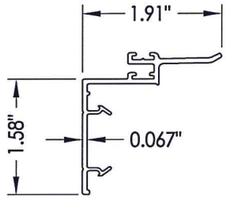
1 FRAME



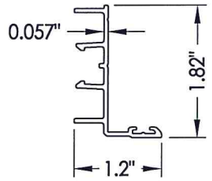
2 STILE/RAIL



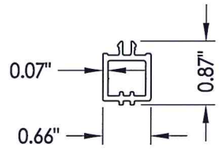
4 GLAZING BEAD



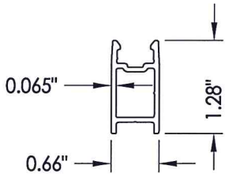
5 INTERLOCK



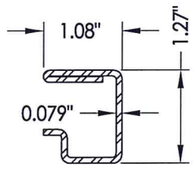
6 JAMB TRACK



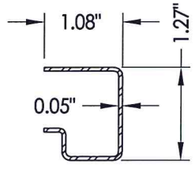
9 FIXED SUPPORT PANEL



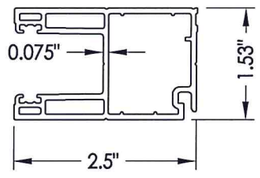
12 HEAD TRACK



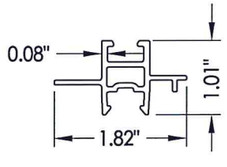
10 STILE REINFORCEMENT



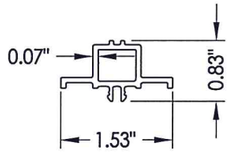
11 STILE REINFORCEMENT



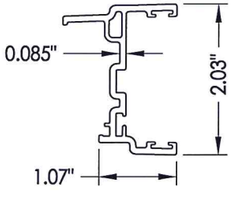
15 MULLION



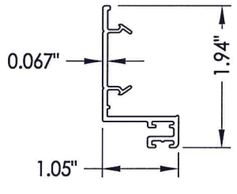
25 OPERATING PANEL SUPPORT



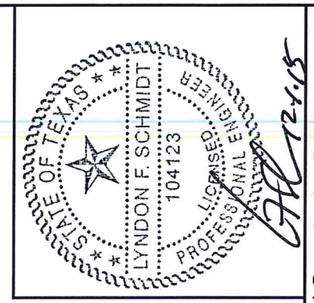
27 FIXED PANEL SUPPORT



16 MULLION CAP



17 MULLION INTERLOCK



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TEXAS P.E. #104123

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Phone No.: 813.659.9197

TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: 400/500 SERIES SLIDING PATIO DOORS

PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY
REVISIONS		

DATE: 9/4/14
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4467
SHEET 5 OF 5

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