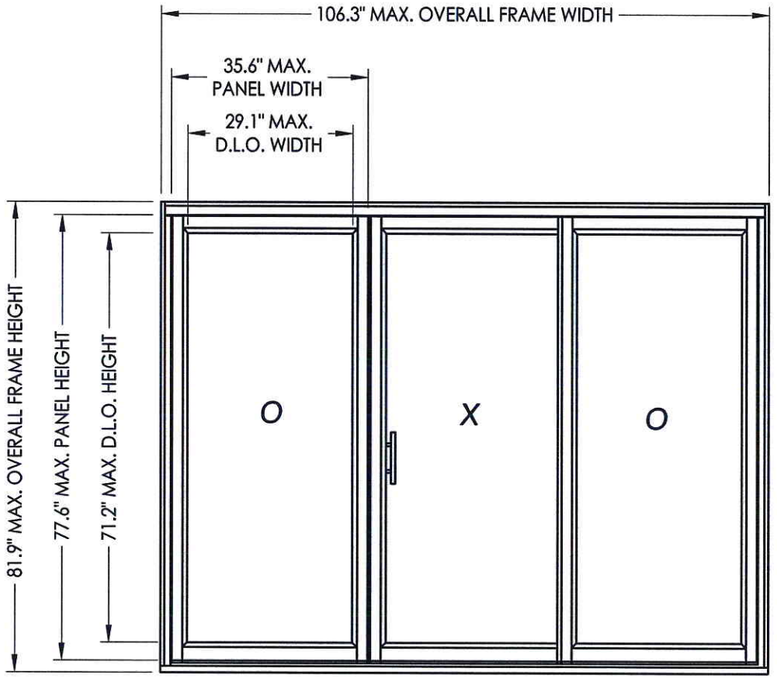
WINCORE™
WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

7700/9900 PH 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 cross section
3	Vertical cross sections
4	Frame anchoring
5	Glazing detail & components
6	Bill of materials

OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
106.3" x 81.9"	35.6" X 77.6"	29.1" X 71.2"	G1, G2	+45.0	-45.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
8-5-13

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: SLIDING PATIO DOORS

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

NO.	DATE	REVISIONS	BY

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
SHEET 1 OF 6

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1/2 HORIZONTAL CROSS SECTION

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PRODUCT: SLIDING PATIO DOORS

PART OR ASSEMBLY: HORIZONTAL CROSS SECTION

NO.	DATE	BY
	REVISIONS	

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
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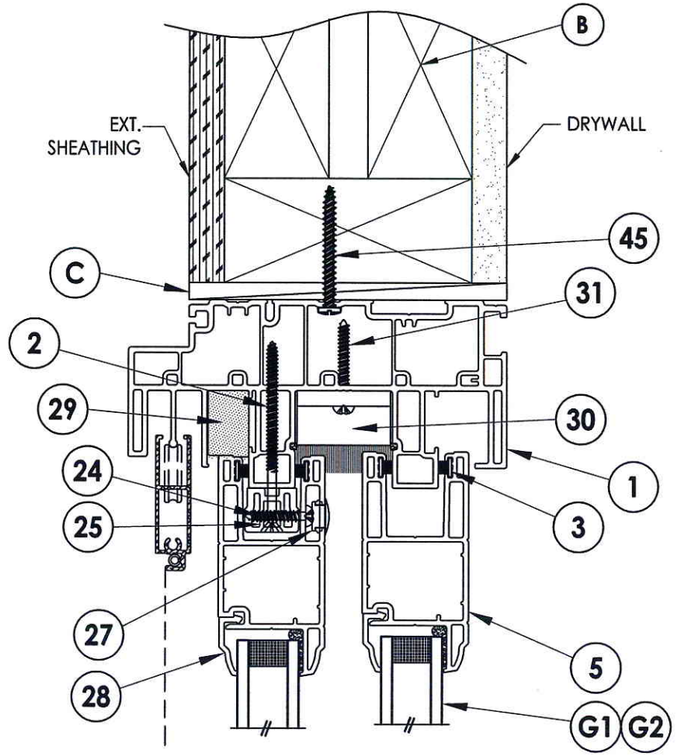
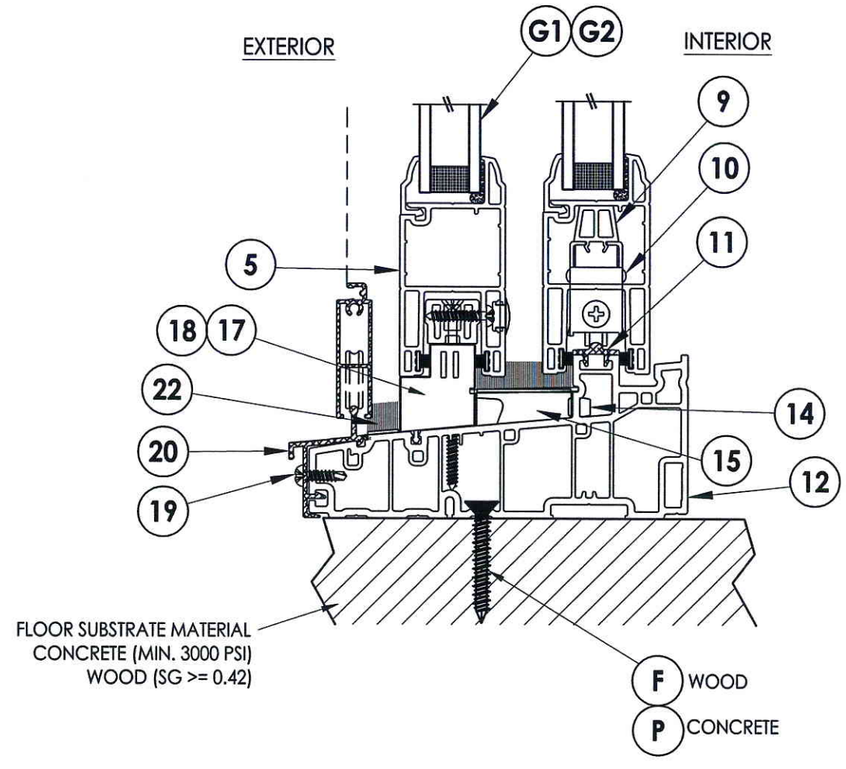


1/3 **VERTICAL CROSS SECTION**



2/3 **VERTICAL CROSS SECTION**

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104123
LICENSED
PROFESSIONAL ENGINEER

8-5-13

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TEXAS P.E. #104123

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

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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: *SLIDING PATIO DOORS*

PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
SHEET 3 OF 6

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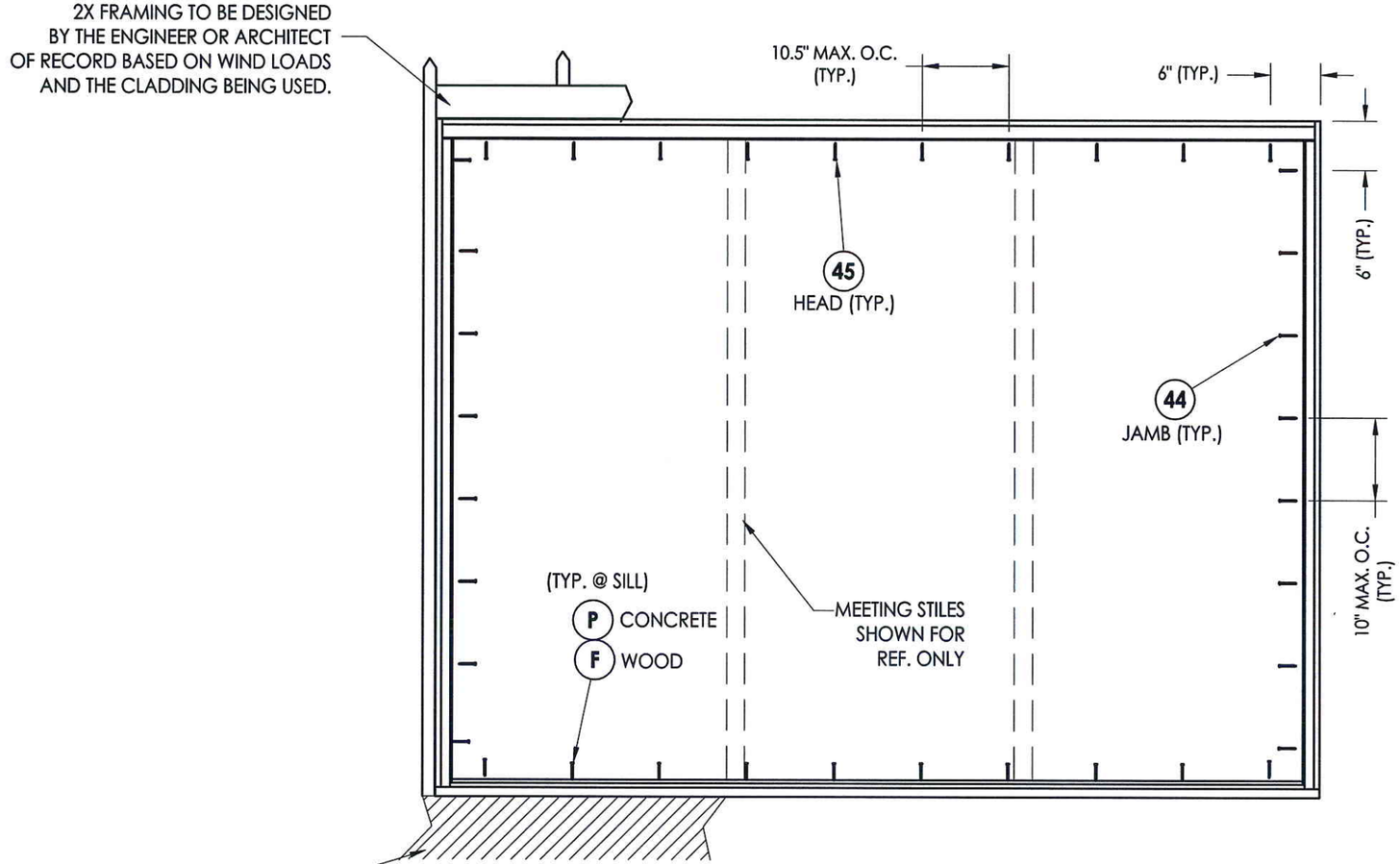

FRAME ANCHORING

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"	4"

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
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5-5-13

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: *SLIDING PATIO DOORS*

PART OR ASSEMBLY: *FRAME ANCHORING*

NO.	DATE	BY	REVISIONS

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
SHEET 4 OF 6

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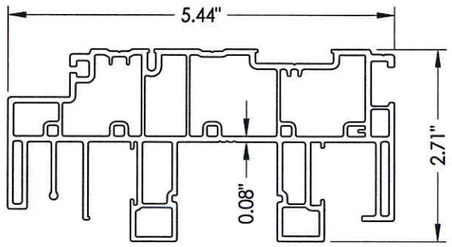
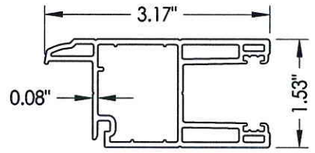
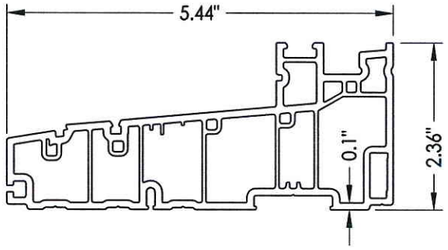


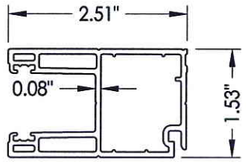
1 **FRAME HEAD**



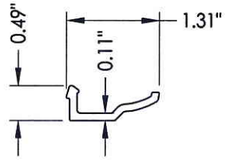
5 **STILE, RAIL**



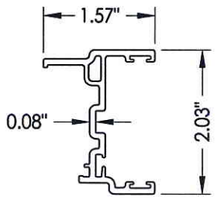
12 **FRAME SILL**



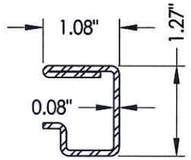
6 **PULL STILE**



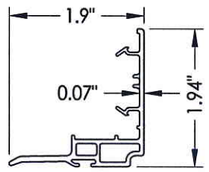
28 **GLAZING BEAD**



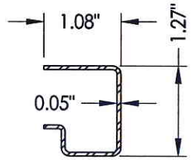
40 **VERTICAL MULLION**



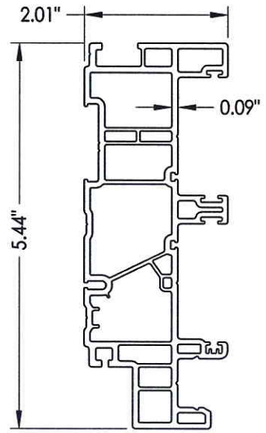
50 **REINFORCEMENT**
Stile



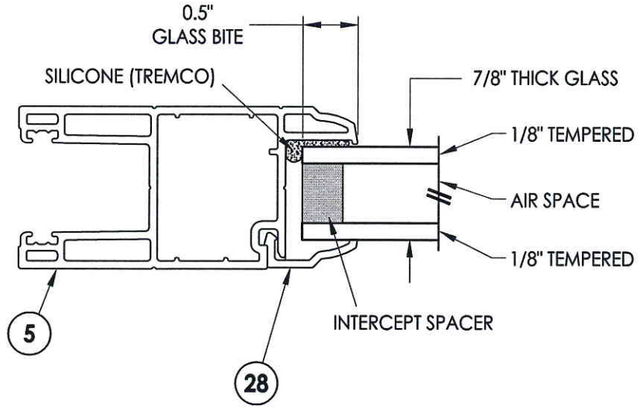
52 **INTERLOCK**



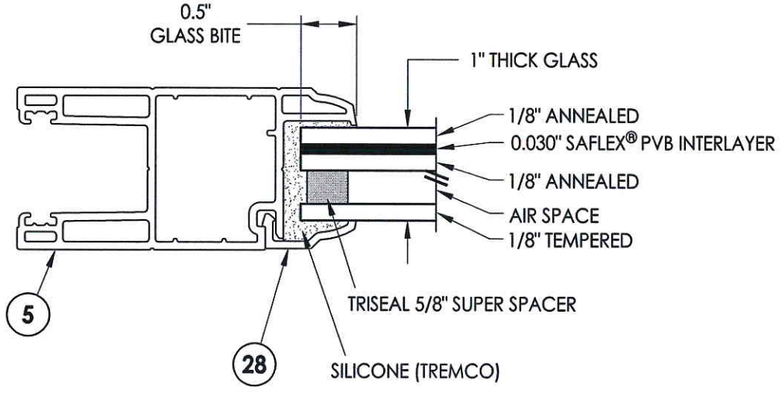
53 **REINFORCEMENT**
Stile



34 **FRAME JAMB**



G1 **GLAZING DETAIL**



G2 **GLAZING DETAIL**

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER

8-8-13

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: SLIDING PATIO DOORS

PART OR ASSEMBLY: GLAZING DETAILS & COMPONENTS

NO.	DATE	BY

REVISIONS

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
SHEET 5 OF 6

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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 X 2" PH WOOD SCREW (1-1/2" MIN. EMB.)	STEEL
P	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
1	FRAME HEAD*	PVC
2	#8 x 2-3/4" FH QUADREX WOOD SCREW	STEEL
3	WEATHERSTRIP (SCHLEGEL #HF-7522-270)	-
5	STILE & RAIL*	PVC
6	PULL STILE*	PVC
9	SHIM	-
10	TANDEM WHEEL	NYLON
11	ROLLING RAIL	ALUM
12	SILL*	PVC
14	SILL PLUG	NYLON
15	SILL WEATHERSEAL	-
17	LEFT CAP FOR SILL ADAPTER*	PVC
18	RIGHT CAP FOR SILL ADAPTER*	PVC
19	#8 X 5/8" PAN HEAD, SQUARE, SELF-DRILLING SCREW	STEEL
20	OUTSIDE SILL CLADDING	STEEL
22	INSECT STOP	-
23	SCREEN	-
24	#8 X 7/8" PAN HEAD, QUADREX, SCREW	STEEL
25	FIXED PANEL ANCHOR BLOCK*	PVC
27	SCREW CAP	NYLON
28	GLAZING BEAD*	PVC
29	FOAM PLUG	-
30	HEAD WEATHERSEAL	-
31	#8 X 1-1/4" PAN HEAD, QUADREX, SCREW	STEEL
32	SASH STOPPER	EPDM
33	WEATHERSTRIP	-
34	FRAME JAMB*	PVC
39	HANDLE KIT	STEEL
40	VERTICAL MULLION*	PVC
42	KEEPER FOR SCREEN	-
43	#4 X 5/8" PAN HEAD QUADREX SCREW	STEEL
44	#10 X 2-1/2" PPH SCREW	STEEL
45	#10 X 1-3/4" PPH SCREW	STEEL
46	STAINLESS STEEL DOUBLE POINT MORTISE LOCK KIT	STEEL
47	SASH COVERING CAP*	PVC
48	LOCK PLUG*	PVC
50	STILE REINFORCEMENT	STEEL
51	#8 X 2" TRUSS HEAD QUADREX SCREW	STEEL
52	INTERLOCK*	PVC
53	STILE REINFORCEMENT	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".

STATE OF TEXAS
LYNDON F. SCHMIDT
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8.5.13

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

PRODUCT: SLIDING PATIO DOORS

PART OR ASSEMBLY: BILL OF MATERIALS

NO.	DATE	BY	REVISIONS

DATE: 8/1/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4350
SHEET 6 OF 6

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