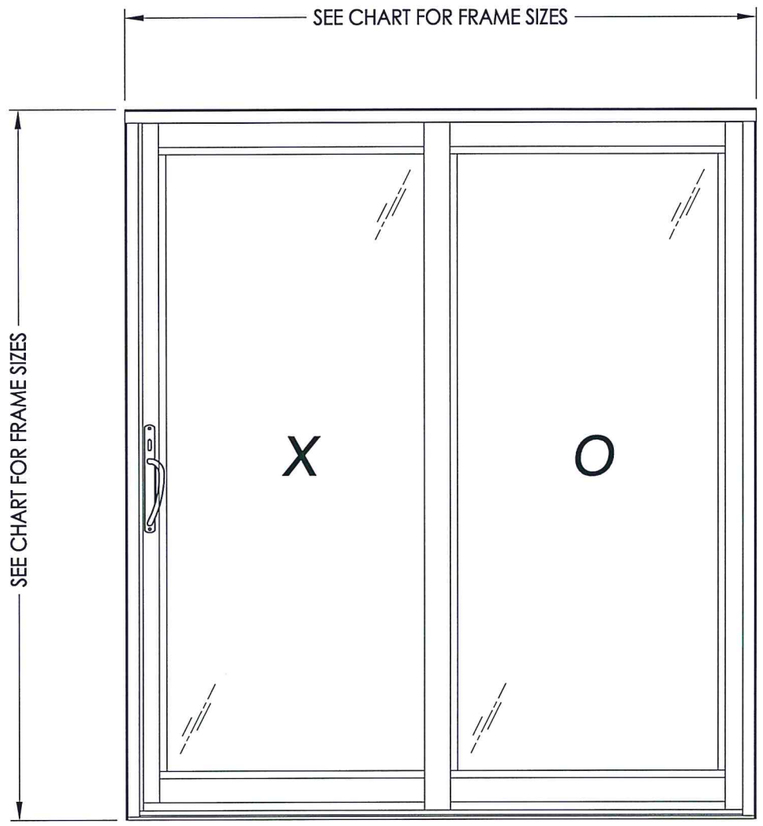
Soft-Lite® Windows

Bringing quality to light.

10250 Philipp Parkway
Streetsboro, Ohio 44241

KINGSROYAL "DP50" SLIDING PATIO DOOR "NON-IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

The Soft-Lite Sliding Patio Door described herein complies with the 2006 International Residential Code (IRC), Sections R301 & R613 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 wall dressing or stucco.
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.

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SHEET#	**DESCRIPTION**
1	Typical elevations, design pressures and general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Buck and frame anchoring
5	Bill of materials, components and glazing details

MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
71.0" X 80.0"	29.0" x 69.5"	G1	+50.0	-50.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
5-3-16

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: SOFT-LITE WINDOWS

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

NO.	DATE	REVISIONS	BY

DATE: 1/11/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4589
SHEET 1 OF 5

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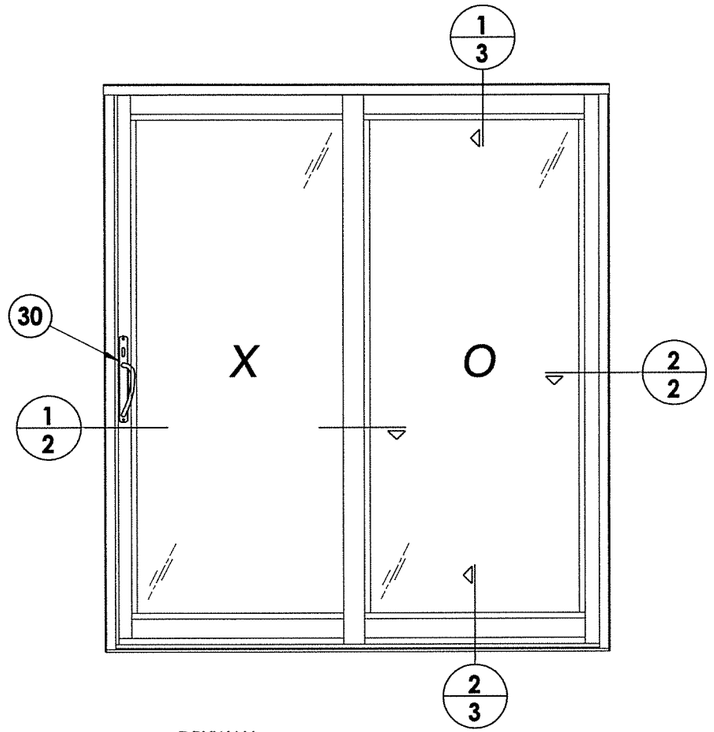
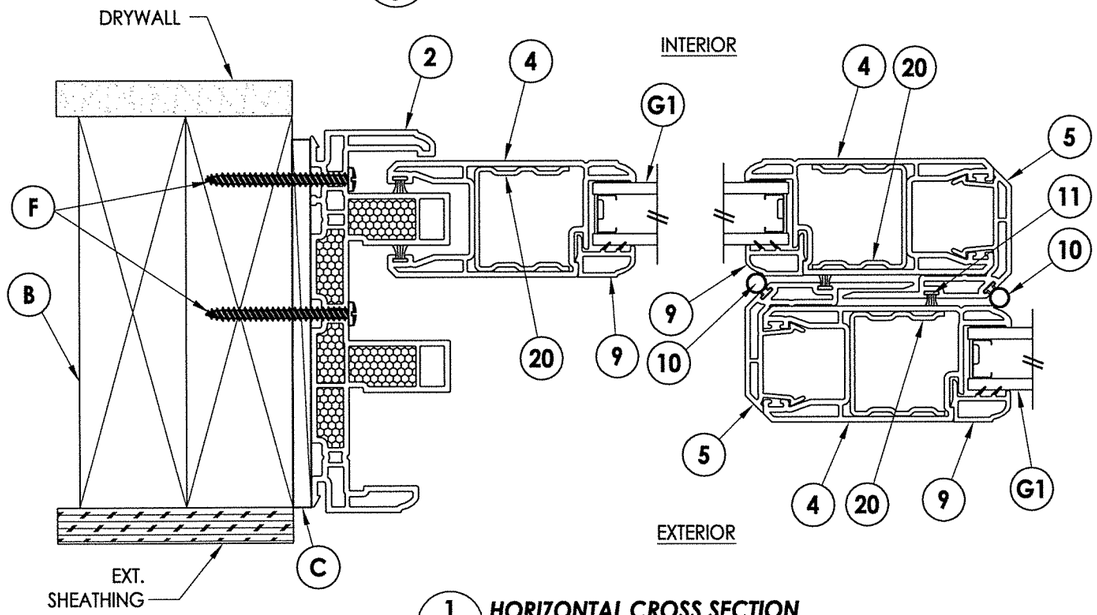
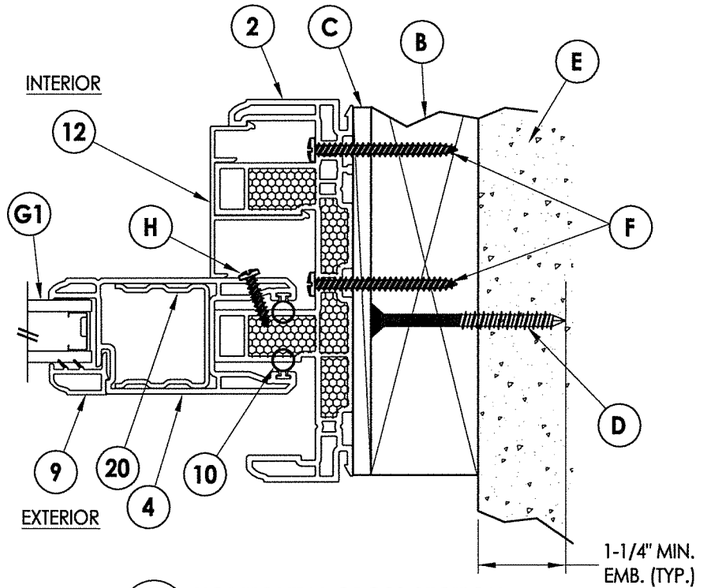




1/2 HORIZONTAL CROSS SECTION
Shown w/ 2X Framing



2/2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck Masonry Construction

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

PRODUCT: *SOFT-LITE WINDOWS*

PART OR ASSEMBLY: *HORIZONTAL AND VERTICAL CROSS SECTIONS*

NO.	DATE	REVISIONS	BY

DATE: 1/11/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4589
SHEET 2 OF 5

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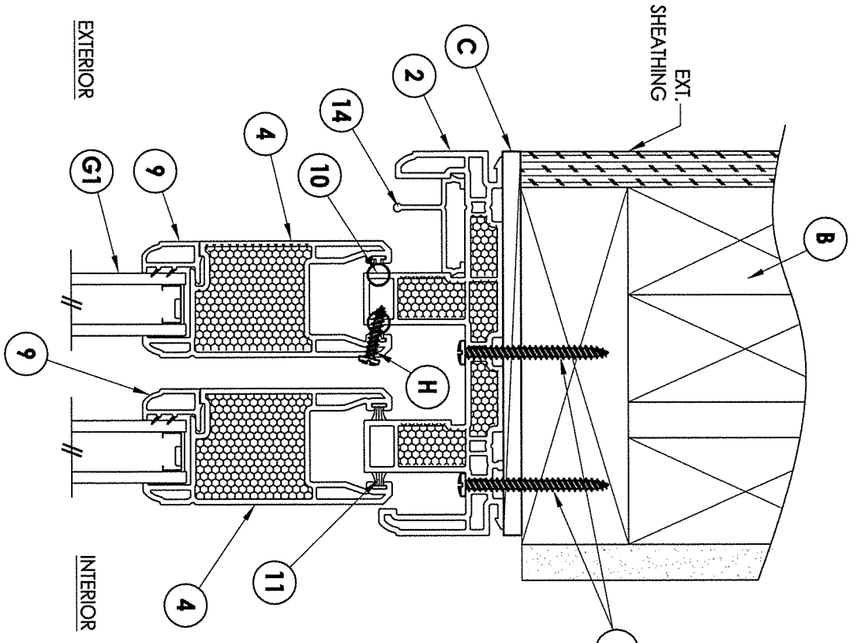
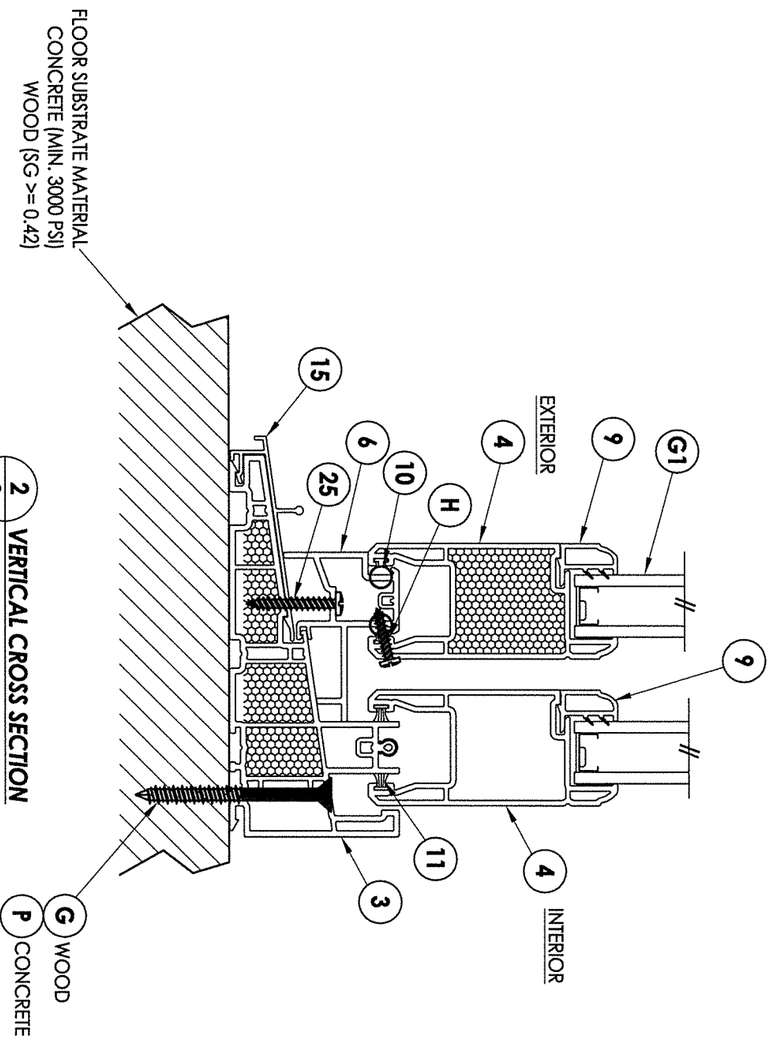


1/3 VERTICAL CROSS SECTION
Shown w/ 2X Framing



2/3 VERTICAL CROSS SECTION

STATE OF TEXAS
LYNDON F. SCHMIDT
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PROFESSIONAL ENGINEER
3-3-16

NO.	DATE		BY

REVISIONS

PRODUCT: SOFT-LITE WINDOWS

PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS

Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

DATE: 1/11/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4589
SHEET 3 OF 5

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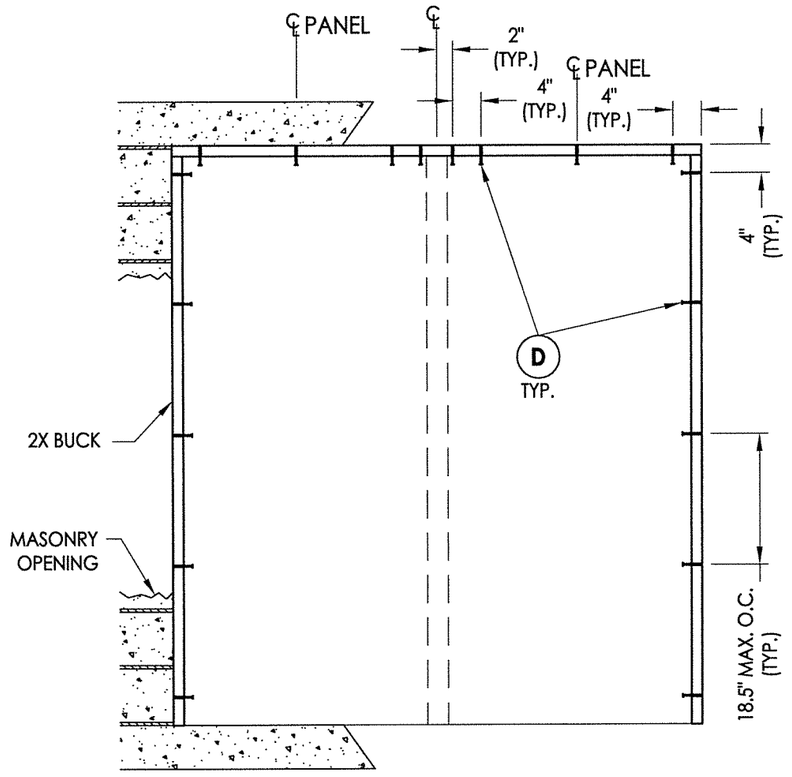
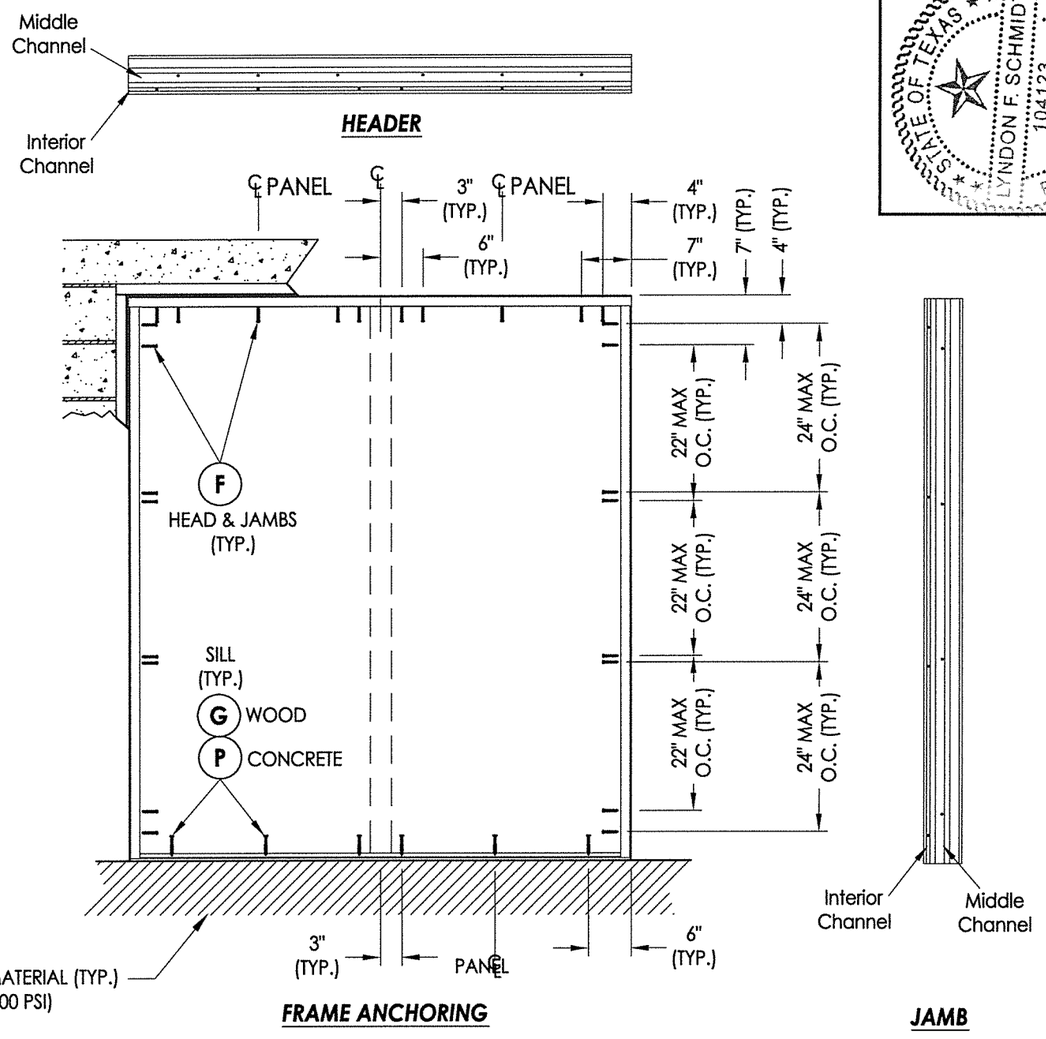


BUCK ANCHORING



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"

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.*

STATE OF TEXAS · LYNDON F. SCHMIDT · 104123 · LICENSED PROFESSIONAL ENGINEER · 1.3.16

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

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

PRODUCT: *SOFT-LITE WINDOWS*

PART OR ASSEMBLY: *BUCK & FRAME ANCHORING*

NO.	DATE	BY	REVISIONS

DATE: 1/11/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4589
SHEET 4 OF 5

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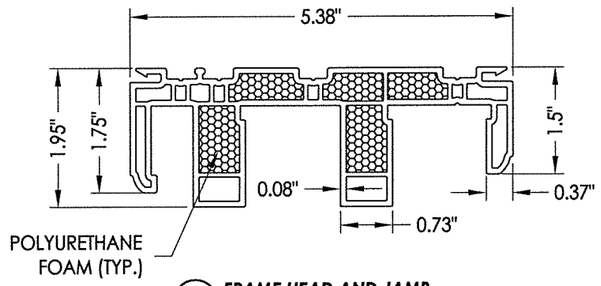
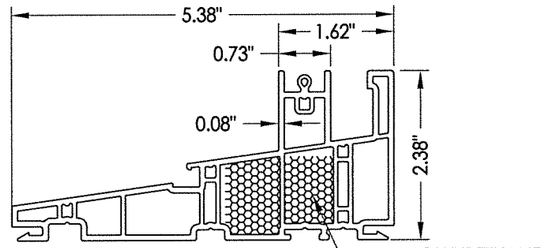
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS (1-1/4" MIN. EMB.)	STEEL
G	#10 X 3" PPH SMS (1-1/2" MIN. EMB.)	STEEL
H	#10 X 3/4" PPH SMS	STEEL
2	FRAME HEAD AND JAMB*	PVC
3	FRAME SILL*	PVC
4	SASH*	PVC
5	INTERLOCK*	PVC
6	FIXED PANEL RISER*	PVC
9	GLAZING BEAD*	PVC
10	PVC WEATHERSTRIP	-
11	MOHAIR WEATHERSTRIP	-
12	JAMB COVER	PVC
14	ALUMINUM HEAD SCREEN TRACK	ALUM
15	ALUMINUM SILL SCREEN TRACK	ALUM
20	REINFORCEMENT (16 GA GALV. G90)	STEEL
25	#10 X 1-1/2" PPH SMS	STEEL
30	LOCK AND HANDLE	-

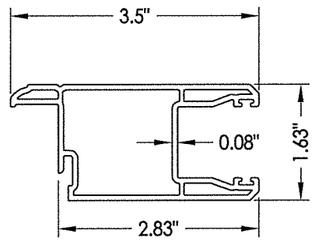
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



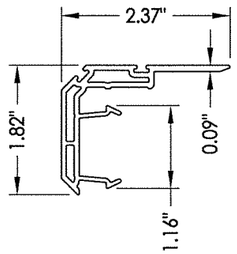
2 FRAME HEAD AND JAMB



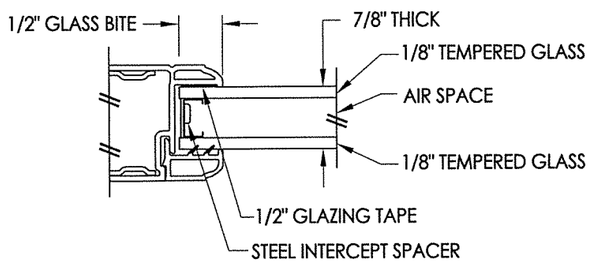
3 FRAME SILL



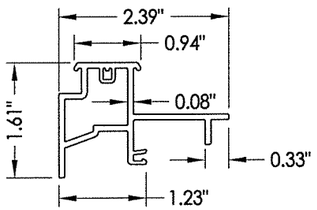
4 SASH



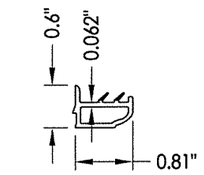
5 INTERLOCK



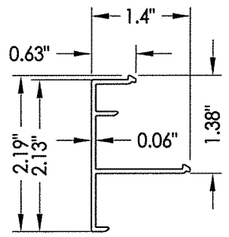
G1 GLAZING DETAIL



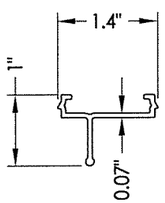
6 FIXED PANEL RISER



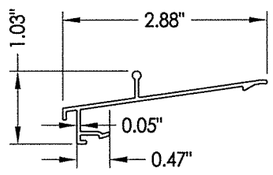
9 GLAZING BEAD



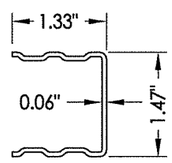
12 JAMB COVER



14 ALUMINUM HEAD SCREEN TRACK



15 ALUMINUM SILL SCREEN TRACK



20 SASH REINFORCEMENT

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
5-3-16

Documents Prepared By: Lyndon F. Schmidt, P.E.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS
CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SOFT-LITE WINDOWS

PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL

NO.	DATE	BY
REVISIONS		

DATE: 1/11/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4589
SHEET 5 OF 5

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