Soft-Lite® Windows

Bringing quality to light.

10250 Philipp Parkway
Streetsboro, Ohio 44241

"Premium CS"
CASEMENT WINDOW
"NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

The Soft-Lite Casement Window 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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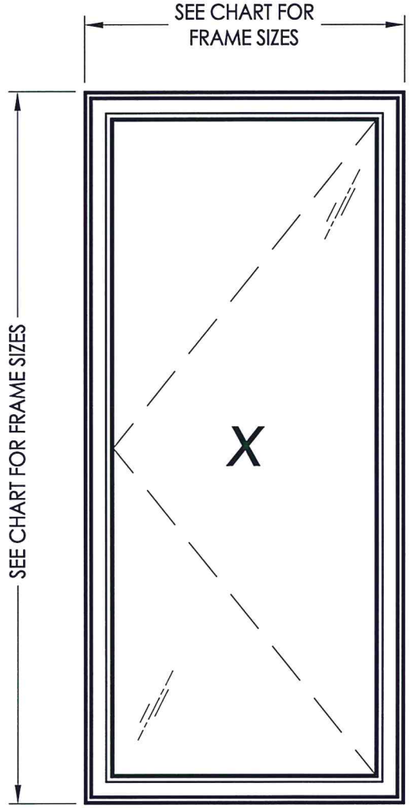
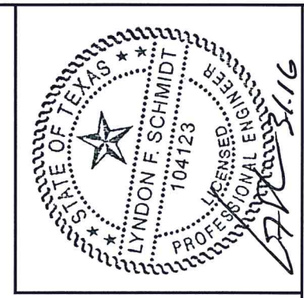
1	Typical elevations, design pressures and general notes
2	Horizontal and vertical cross sections
3	Buck anchoring
4	Frame anchoring
5	Bill of materials, components and glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
36.0" X 36.0"	29.5" x 29.5"	G1	+70.0	-70.0
36.0" X 80.0"	29.5" x 73.5"	G2	+50.0	-50.0



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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: 11/9/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4576
SHEET 1 OF 5

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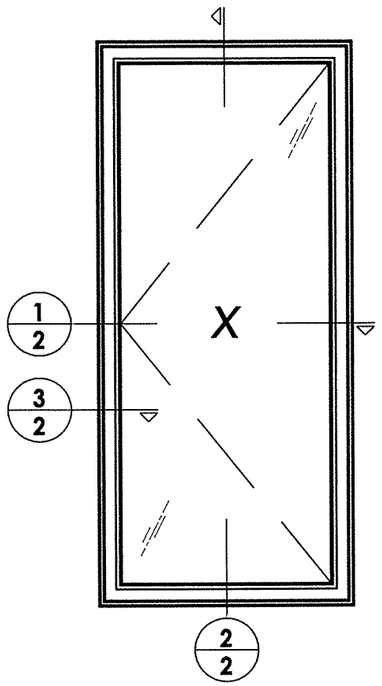
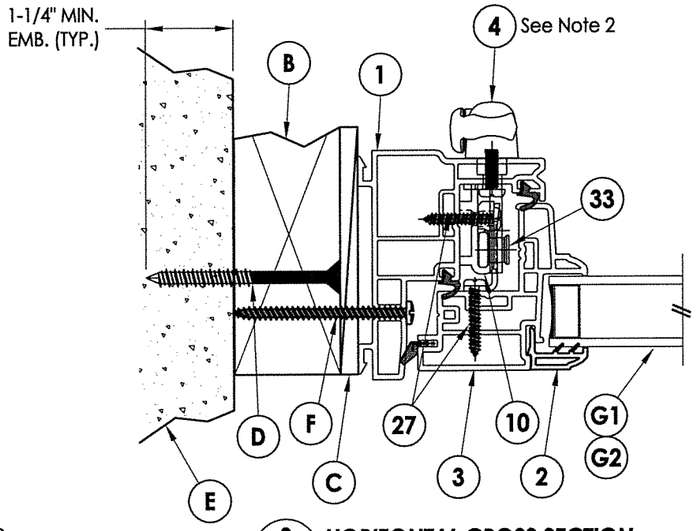
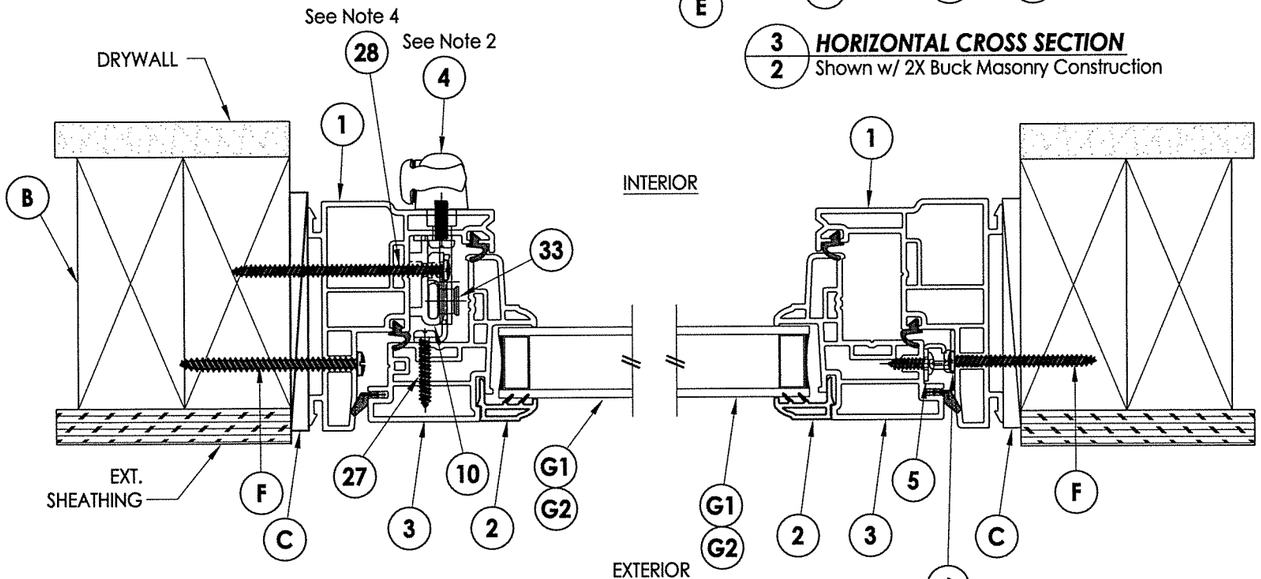


Hardware Notes:

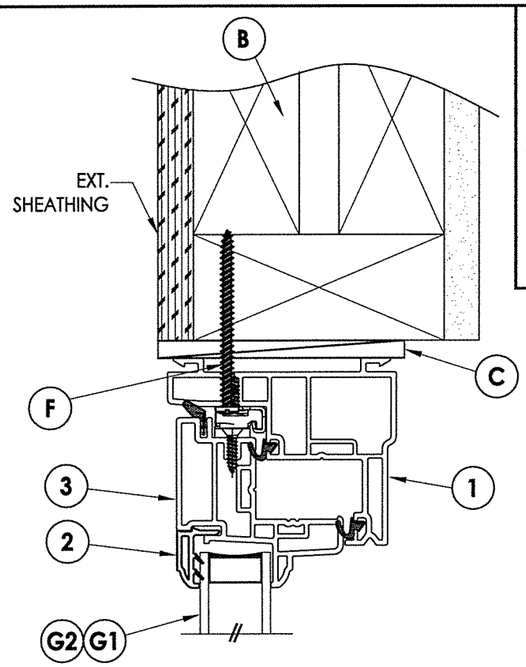
1. Snubber/retainers located as follows:
   36" frame height: (1) at jamb CL
   80" frame height: (3) 19" from ends & at jamb CL
2. Multi-point locks w/ keepers & tie bars located as follows:
   36" frame height: (2) at 6.5" & 29" from sill bottom
   80" frame height: (4) at 3.5", 27.25", 50.25" & 70.25" from sash bottom
3. Operator (1) located on sill, 9.5-10.5" from jamb.
4. Install one Item 28 (#8 x 3" SMS), per locking bracket on frame heights > 36".



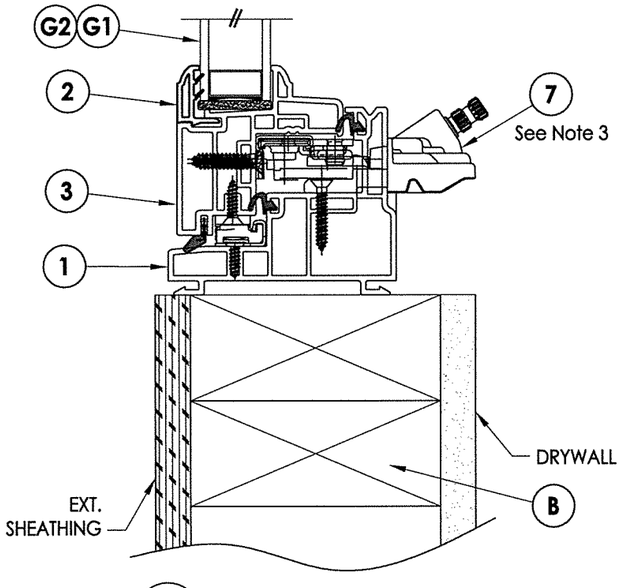
3/2 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck Masonry Construction



1/2 **HORIZONTAL CROSS SECTION**



EXTERIOR INTERIOR



2/2 **VERTICAL CROSS SECTION**
Shown w/ 2X buck

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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	BY
REVISIONS		

DATE: 11/9/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
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SHEET 2 OF 5

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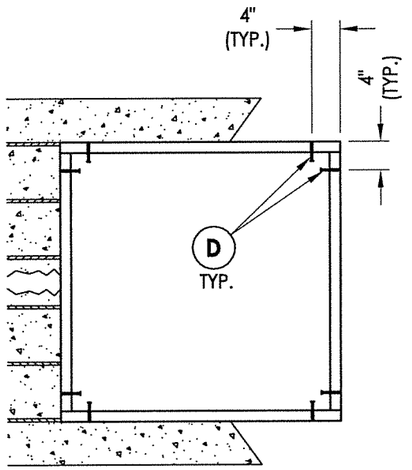
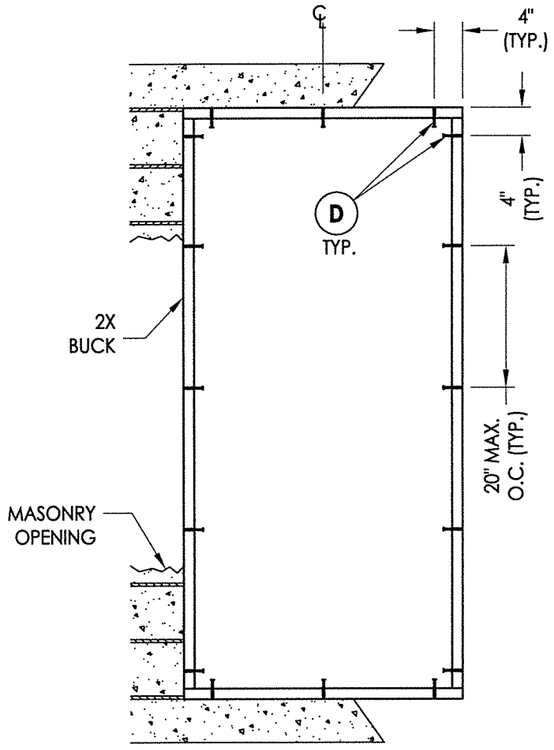


BUCK ANCHORING
2X BUCK MASONRY CONSTRUCTION
36" X 36"
(MAX DESIGN PRESSURE = 70 PSF)



BUCK ANCHORING
2X BUCK MASONRY CONSTRUCTION
36" X 80"
(MAX DESIGN PRESSURE = 50 PSF)

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.*

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PRODUCT: *SOFT-LITE WINDOWS*

PART OR ASSEMBLY: *BUCK ANCHORING*

NO.	DATE	BY

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DATE: 11/9/15
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SHEET 3 OF 5

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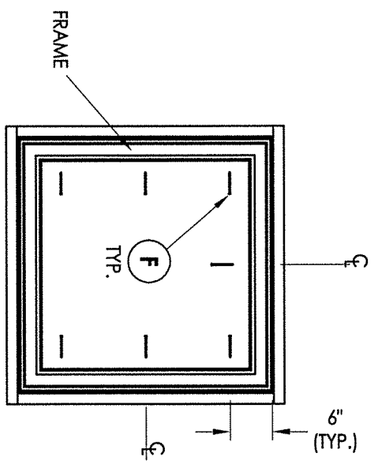
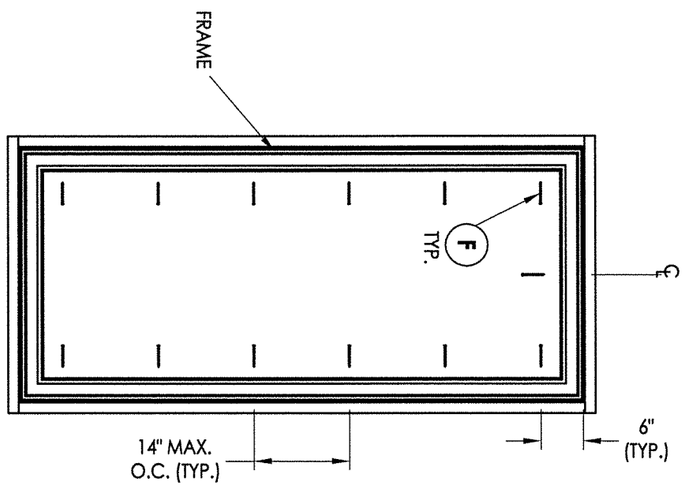
FRAME ANCHORING
36" X 36"



FRAME ANCHORING
36" X 80"



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SHEET	4 OF 5
DRAWING NO.:	TX-4576
CHK. BY:	LFS
DWG. BY:	JK
SCALE:	N.T.S.
DATE:	11/9/15

NO.	DATE	REVISIONS	BY

PRODUCT:
SOFT-LITE WINDOWS

PART OR ASSEMBLY:
FRAME ANCHORING

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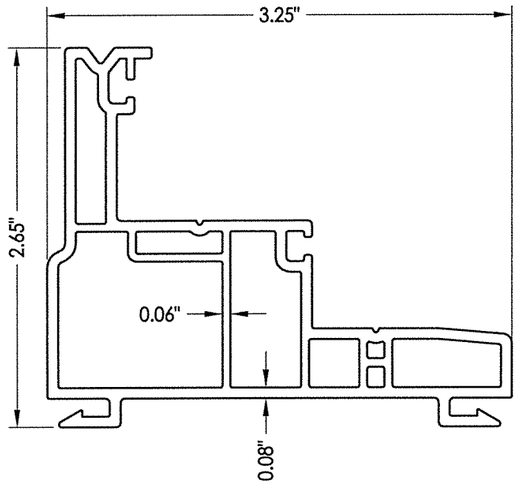
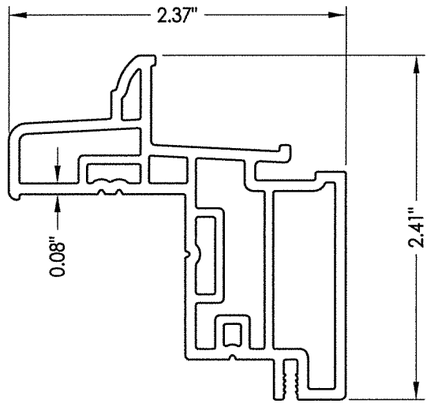
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
B	2X FRAMING (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH 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 2-1/2" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	MAIN FRAME*	PVC
2	GLAZING BEAD*	PVC
3	CASEMENT MAIN SASH*	PVC
4	LOCK HANDLE ASSY. (MULTI-POINT LOCK)	STEEL
5	SNUBBER	-
6	SNUBBER RETAINER	-
7	CASEMENT OPERATOR	STEEL
8	#8 X 5/8" PPH SMS	STEEL
10	LOCKING BAR RETAINER CLIP	STEEL
27	#8 X 1" PAN HEAD SMS	STEEL
28	#8 X 3" PAN HEAD SMS	STEEL
33	TIE BAR LOCK PIN	STEEL

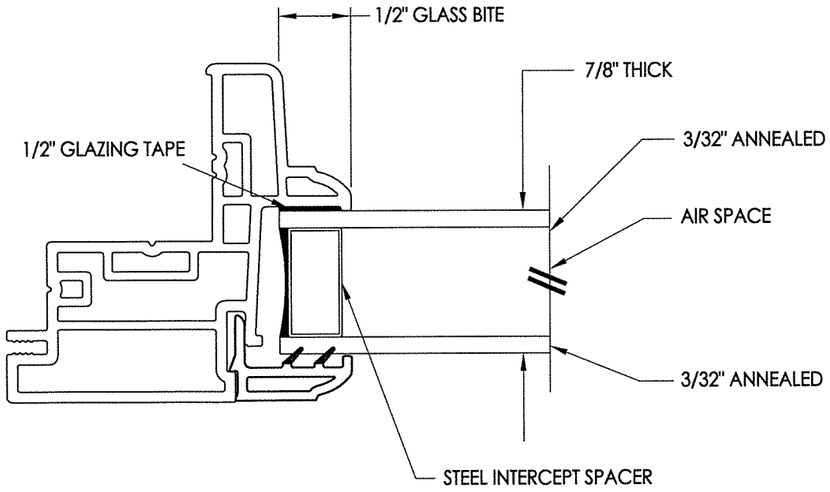
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATIONS PROGRAMS FOR RIGID PVC EXTRUSIONS".



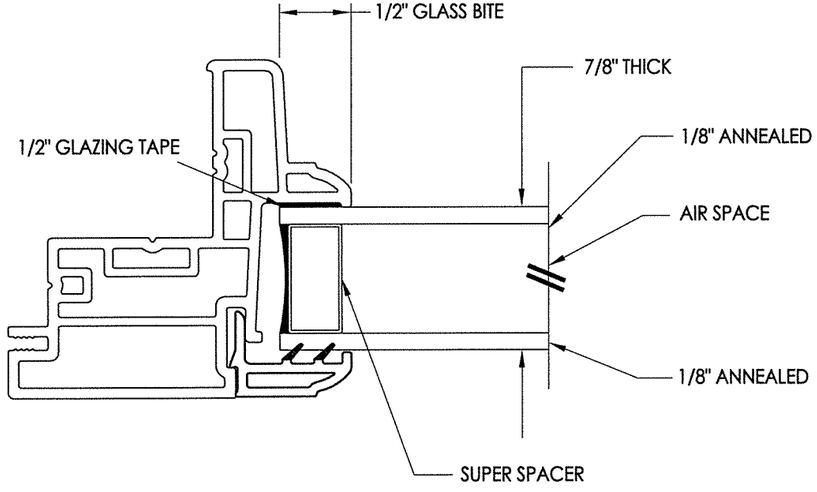
1 **MAIN FRAME**



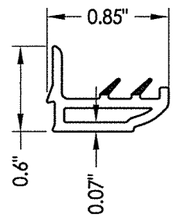
3 **CASEMENT FRAME**



G1 **GLAZING DETAIL**



G2 **GLAZING DETAIL**



2 **GLAZING BEAD**

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PRODUCT: SOFT-LITE WINDOWS

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

NO.	DATE	BY	REVISIONS

DATE: 11/9/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4576
SHEET 5 OF 5

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