



Bringing quality to light.

10250 Philipp Parkway
Streetsboro, Ohio 44241

"Imperial LS PW12" PICTURE WINDOW "NON-IMPACT"

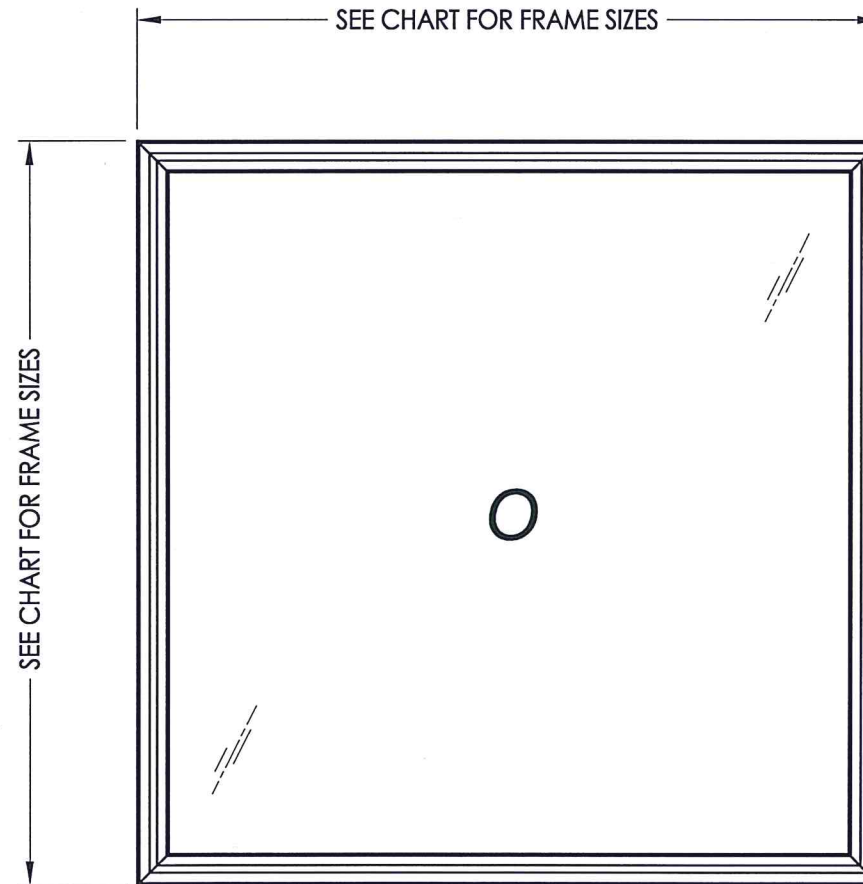
EVALUATED FOR USE IN THE STATE OF TEXAS

TDI WIN-2161

The Picture Window described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 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 1609.2 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 and vertical cross sections
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4	Bill of materials, components and glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
66.0" X 66.0"	60.38" x 60.38"	G1	+50.0	-50.0



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TEXAS P.E. #104123

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230 Valrico FL 33595
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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
1	5/10/21	UPDATE TO 2018 IBC/IRC

DATE: 11/16/15

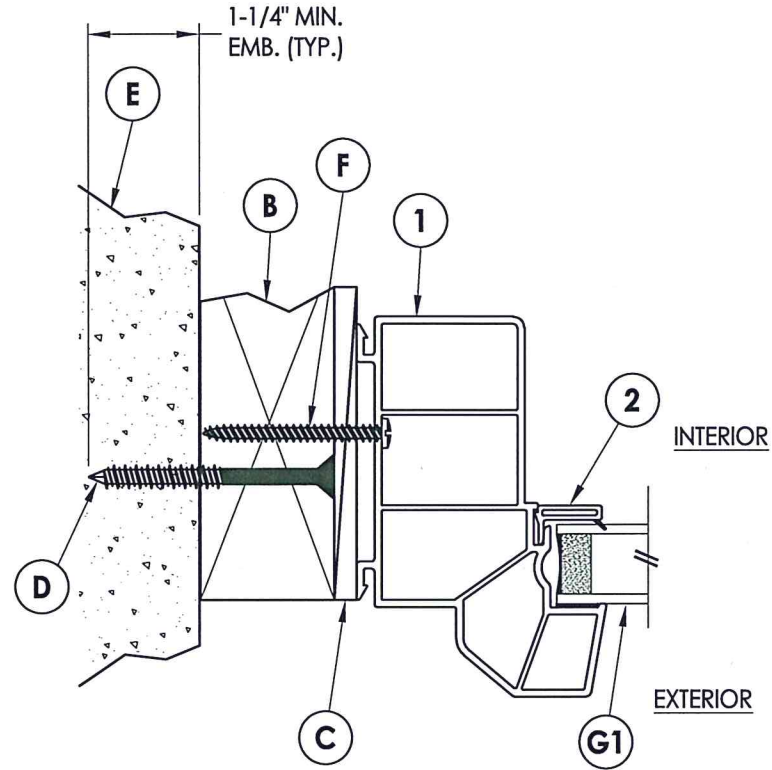
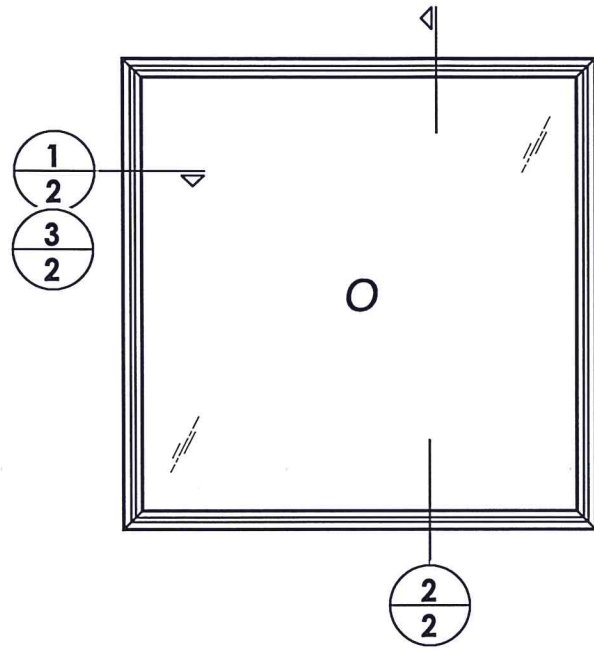
SCALE: N.T.S.

DWG. BY: JK

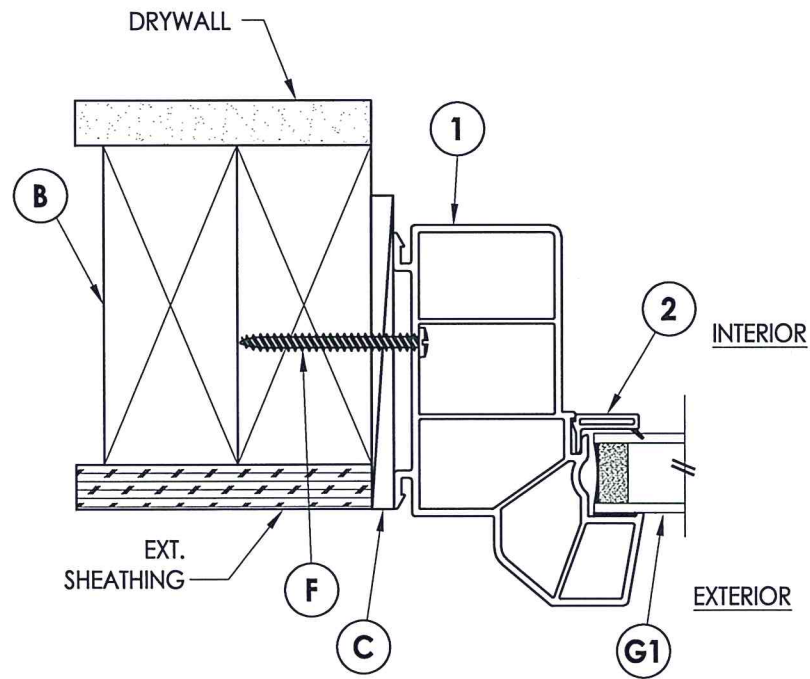
CHK. BY: LFS

DRAWING NO.: TX-4580

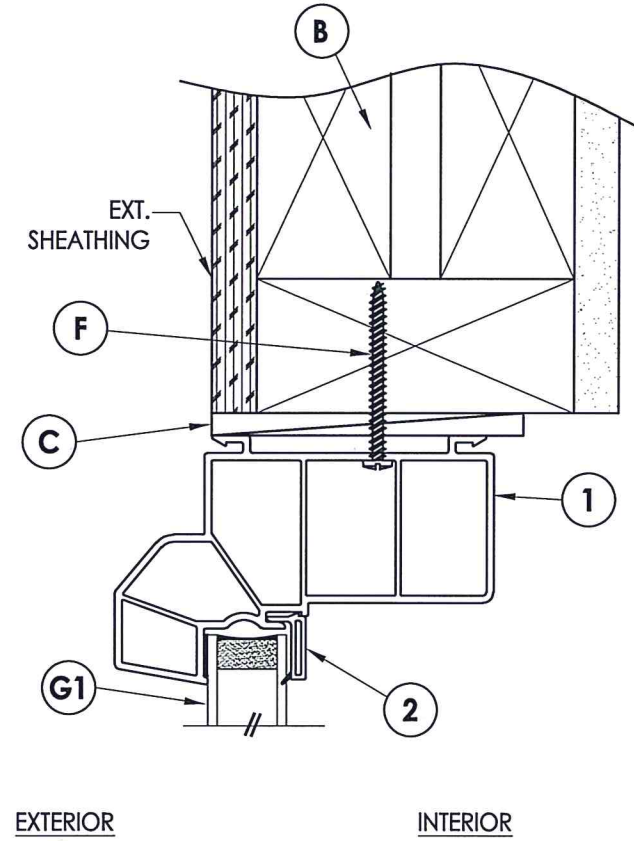
SHEET 1 OF 4



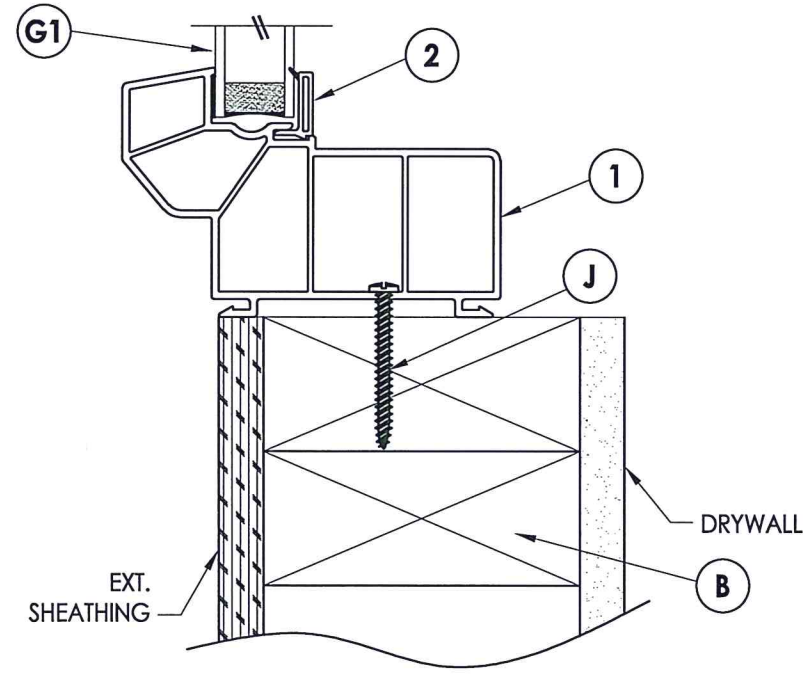
3 HORIZONTAL CROSS SECTION
 2 Shown w/ 2X Buck Masonry Construction



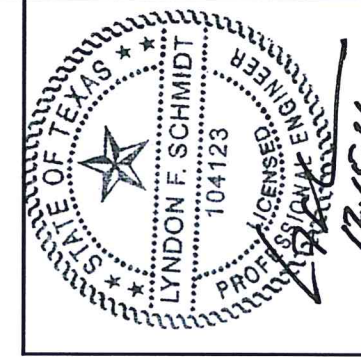
1 HORIZONTAL CROSS SECTION
 2



2 VERTICAL CROSS SECTION



2 VERTICAL CROSS SECTION



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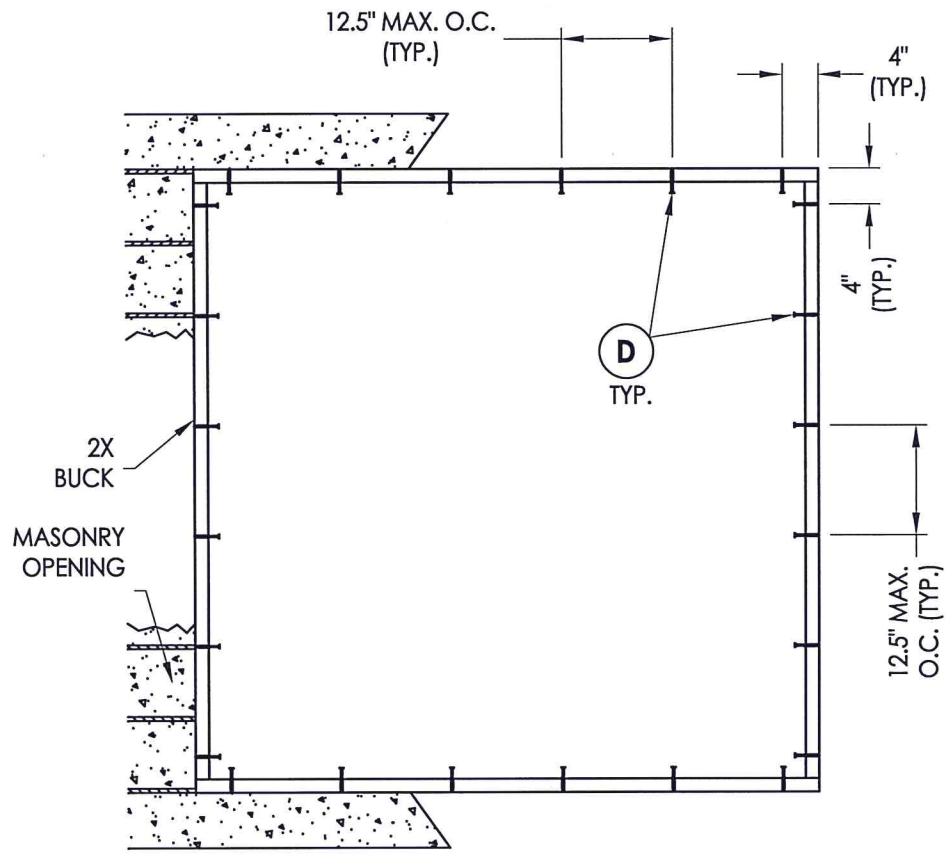
TEXAS BOARD OF PROFESSIONAL ENGINEERS
 CERTIFICATE OF REGISTRATION # F-11852

PRODUCT: SOFT-LITE WINDOWS

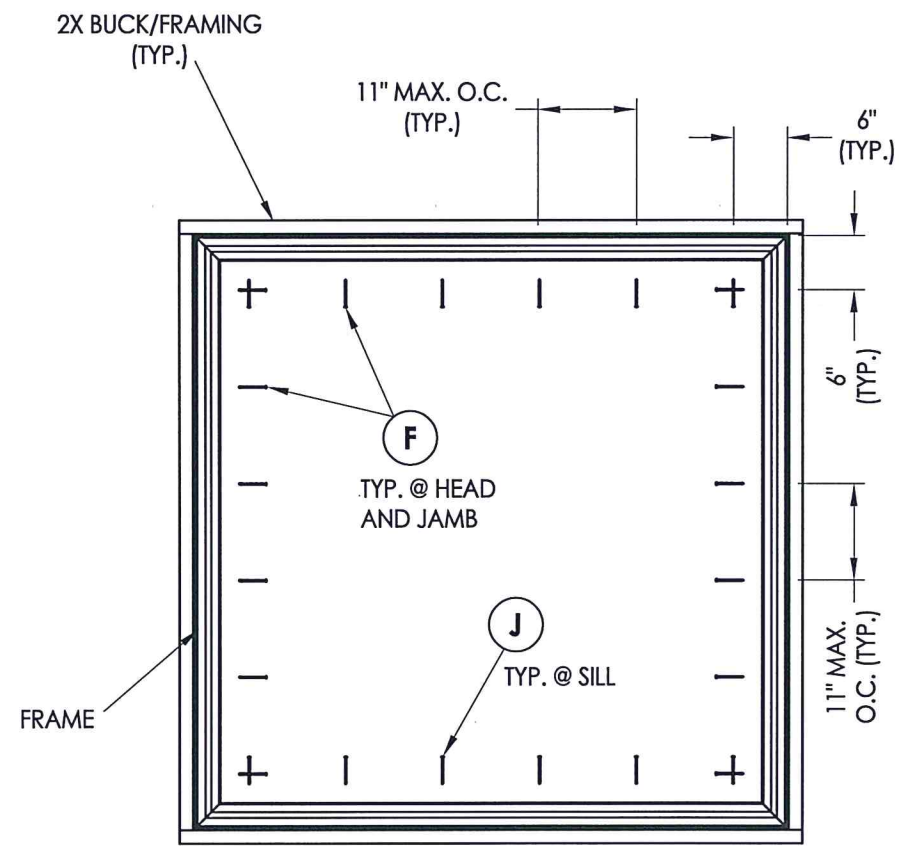
PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
1	5/10/21	LFS	UPDATE TO 2018 IBC/IRC

DATE: 11/16/15
 SCALE: N.T.S.
 DWG. BY: JK
 CHK. BY: LFS
 DRAWING NO.: TX-4580
 SHEET 2 OF 4



BUCK ANCHORING
2X BUCK MASONRY CONSTRUCTION



FRAME ANCHORING

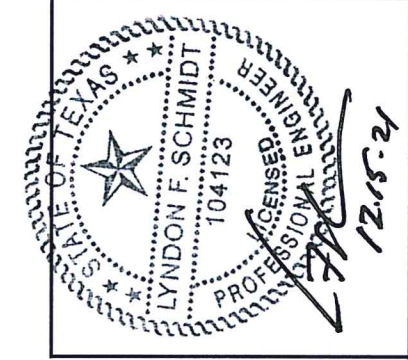
CONCRETE ANCHOR NOTES:

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"	1-1/4"	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.



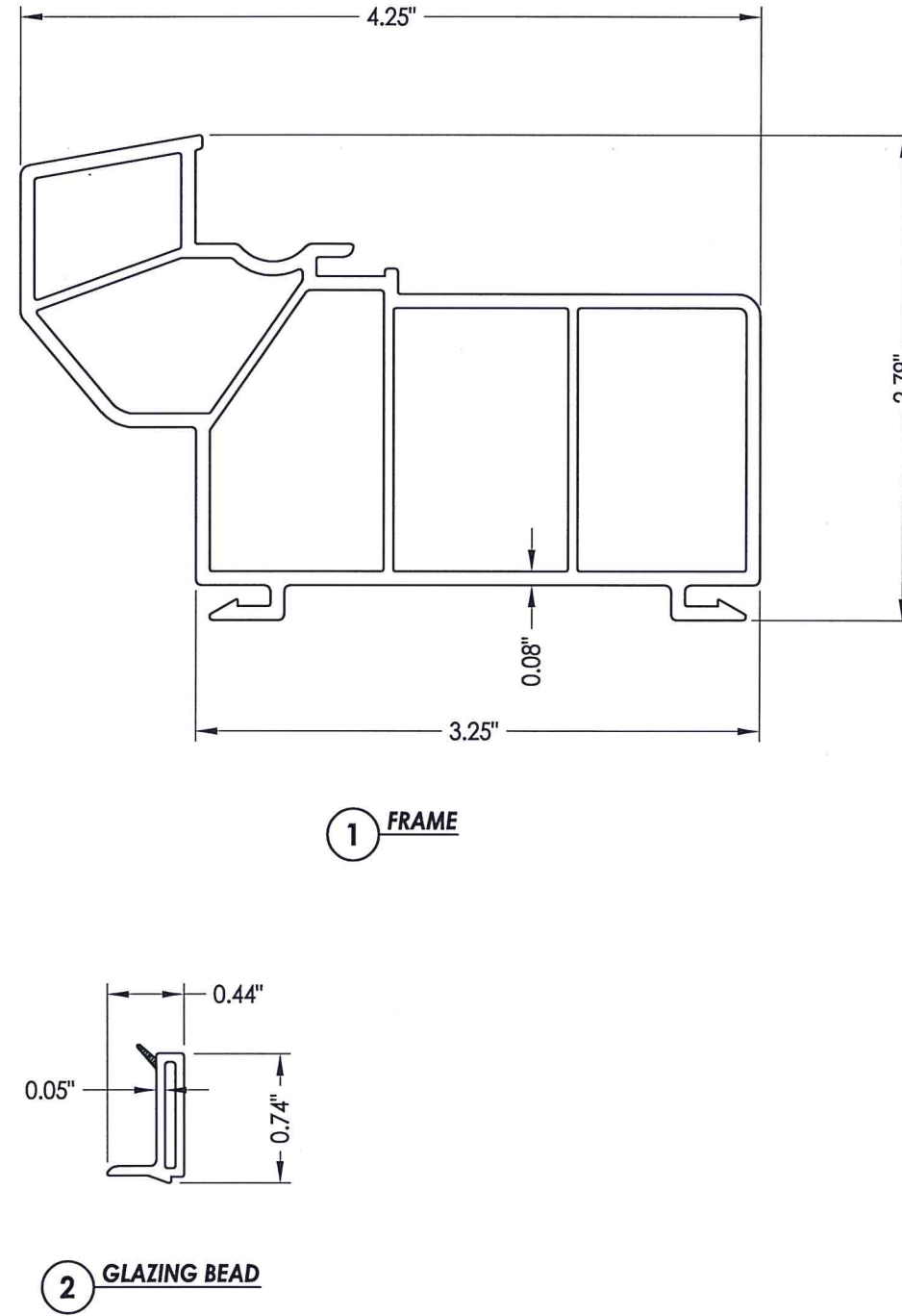
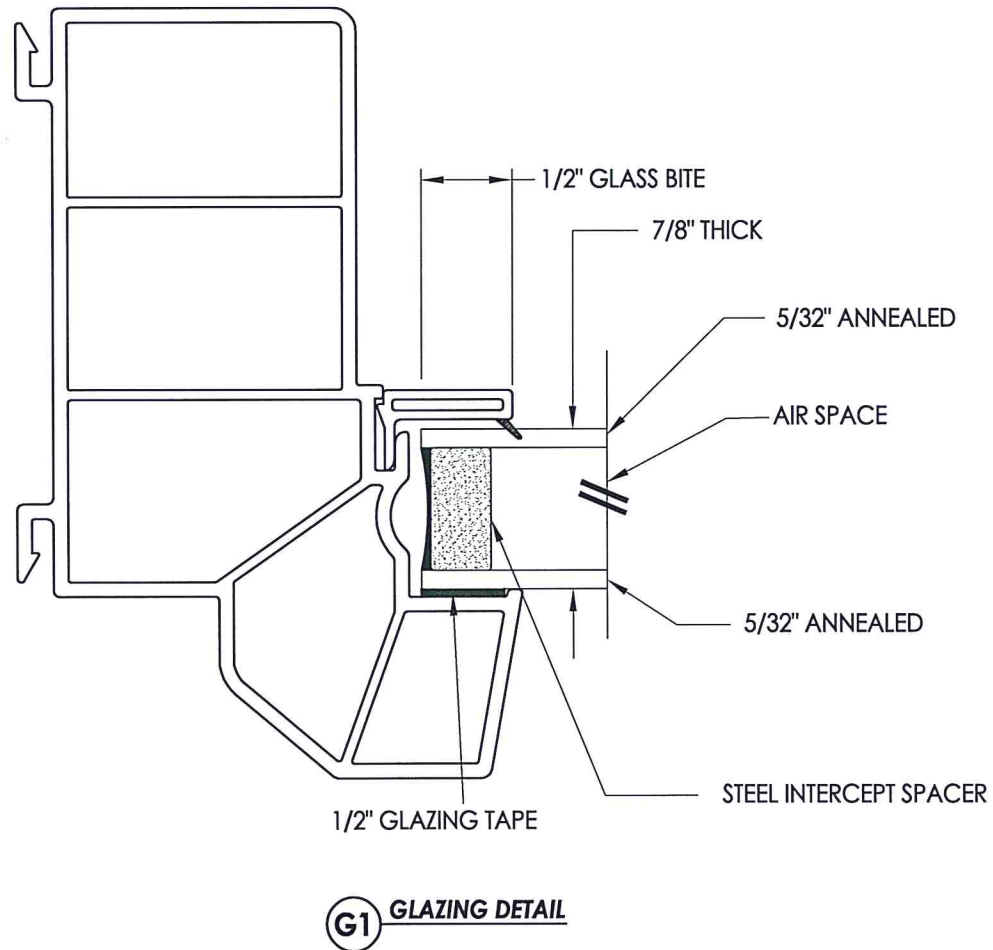
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PRODUCT:	SOFT-LITE WINDOWS	
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING	
NO.	DATE	BY
1	5/10/21	LFS
UPDATE TO 2018 IBC/IRC		
REVISIONS		
DATE:	11/16/15	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	TX-4580	
SHEET	3	OF 4

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" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
J	#10 X 1-3/4" PPH SMS (1-1/2" MIN. EMBEDMENT)	STEEL
1	FRAME*	PVC
2	GLAZING BEAD*	PVC

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



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PRODUCT: SOFT-LITE WINDOWS

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

NO.	DATE	REVISIONS
1	5/10/21	UPDATE TO 2018 IBC/IRC
LFS		BY

DATE: 11/16/15

SCALE: N.T.S.

DWG. BY: JK

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SHEET 4 OF 4