

WINCORE™

WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

8400 Series Vinyl Double Hung Window "NON-IMPACT"

EVALUATED FOR USE IN THE STATE OF TEXAS

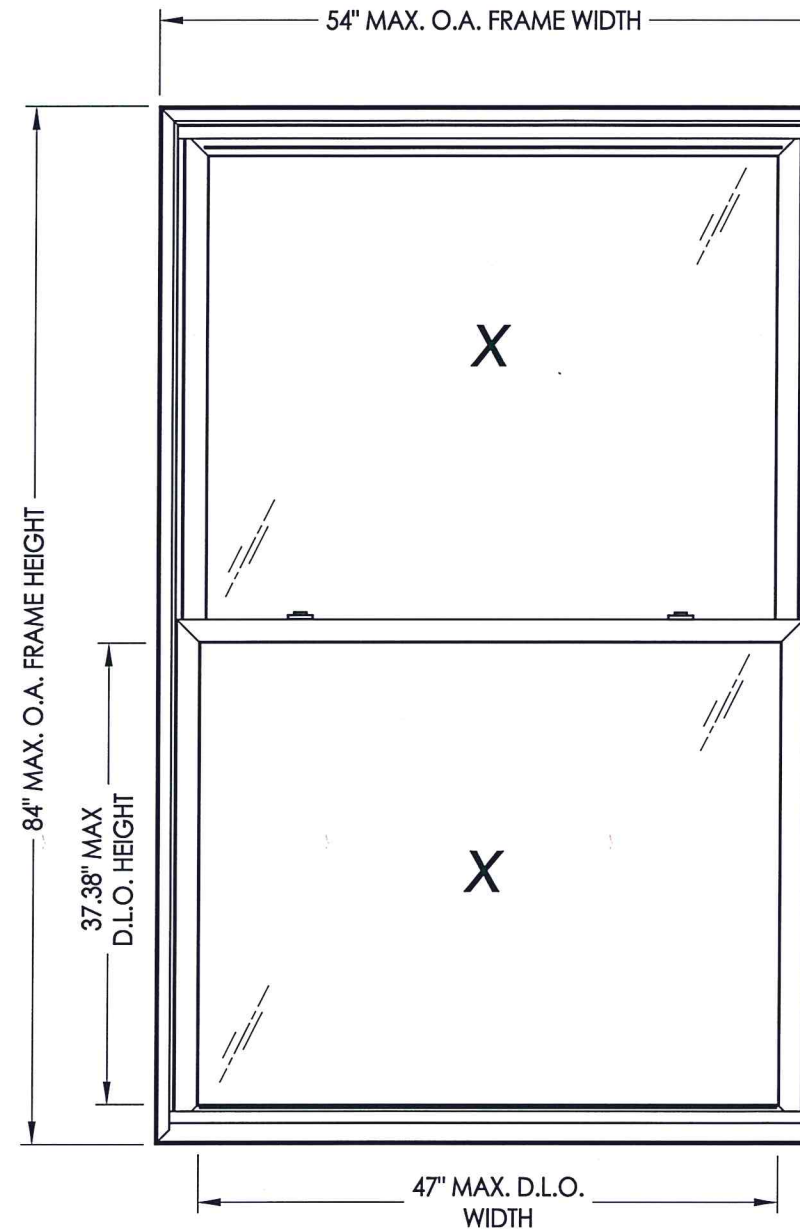
TDI WIN-1760

The Wincore Double Hung 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 1609.1.2 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	Vertical & horizontal cross sections & frame anchoring
3	Components
4	Bill of materials, components and glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
48.0" X 72.0"	41.0" X 31.38"	G1	+60.0	-65.0
54.0" X 84.0"	47.0" X 37.38"	G1	+50.0	-50.0
54.0" X 76.0"	47.0" X 33.38"	G2	+65.0	-70.0



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: 8400 SERIES Vinyl Double Hung Window
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

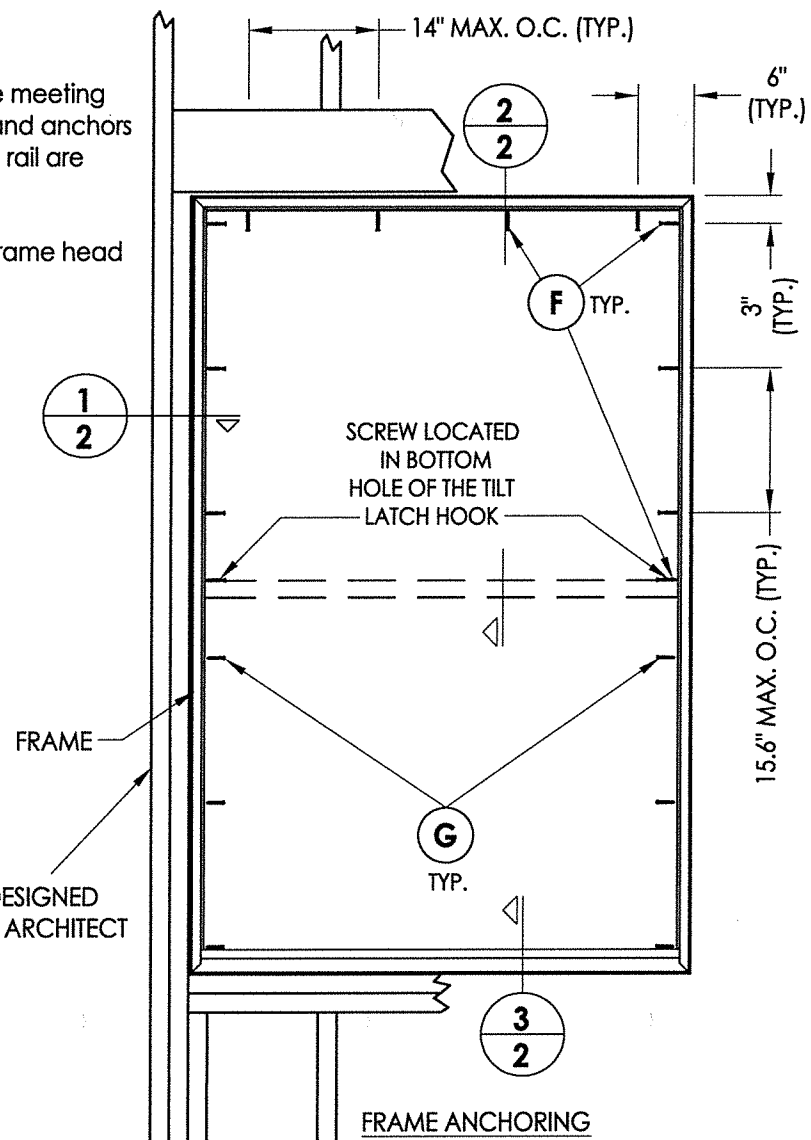
NO.	DATE	REVISIONS
2	1/20/20	UPDATE TO 2018 IRC/IBC
1	8/27/13	ADDED NEW FRAME SIZE

DATE: 9/10/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4234
SHEET 1 OF 4

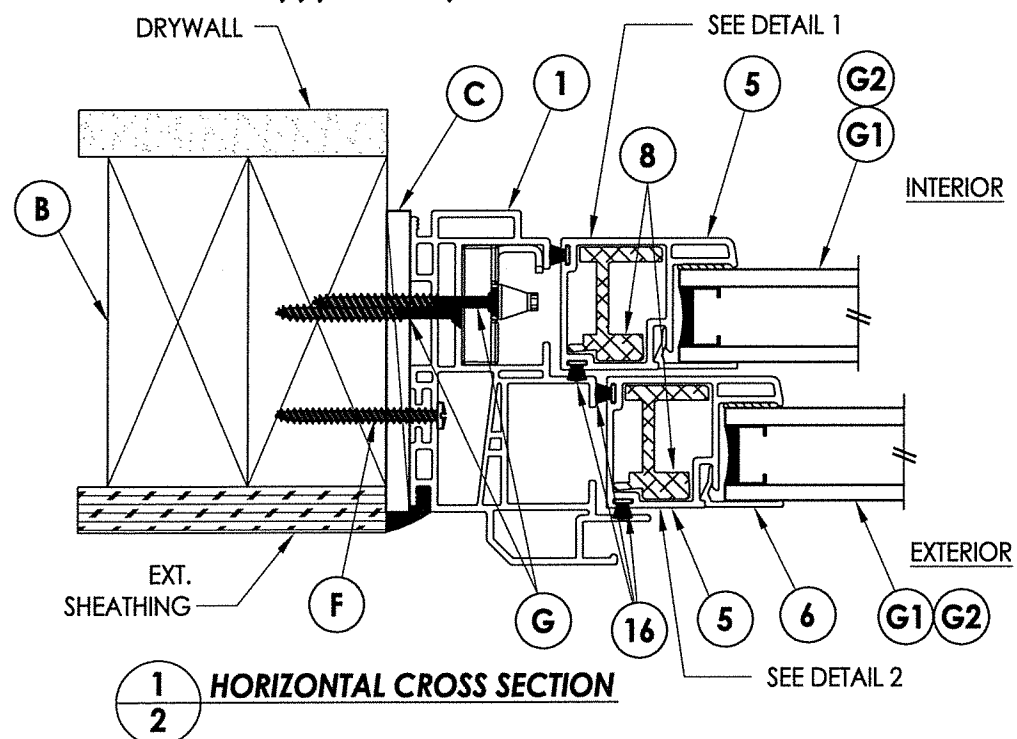
R:\Clients\Wincore PERMANENT\B - (2018) Texas Dept of Ins\WIN 1760 - Dbl Hung 8400C - Drawings\2018 IBC UPDATE\TX-4234.dwg, 2.1

NOTES:

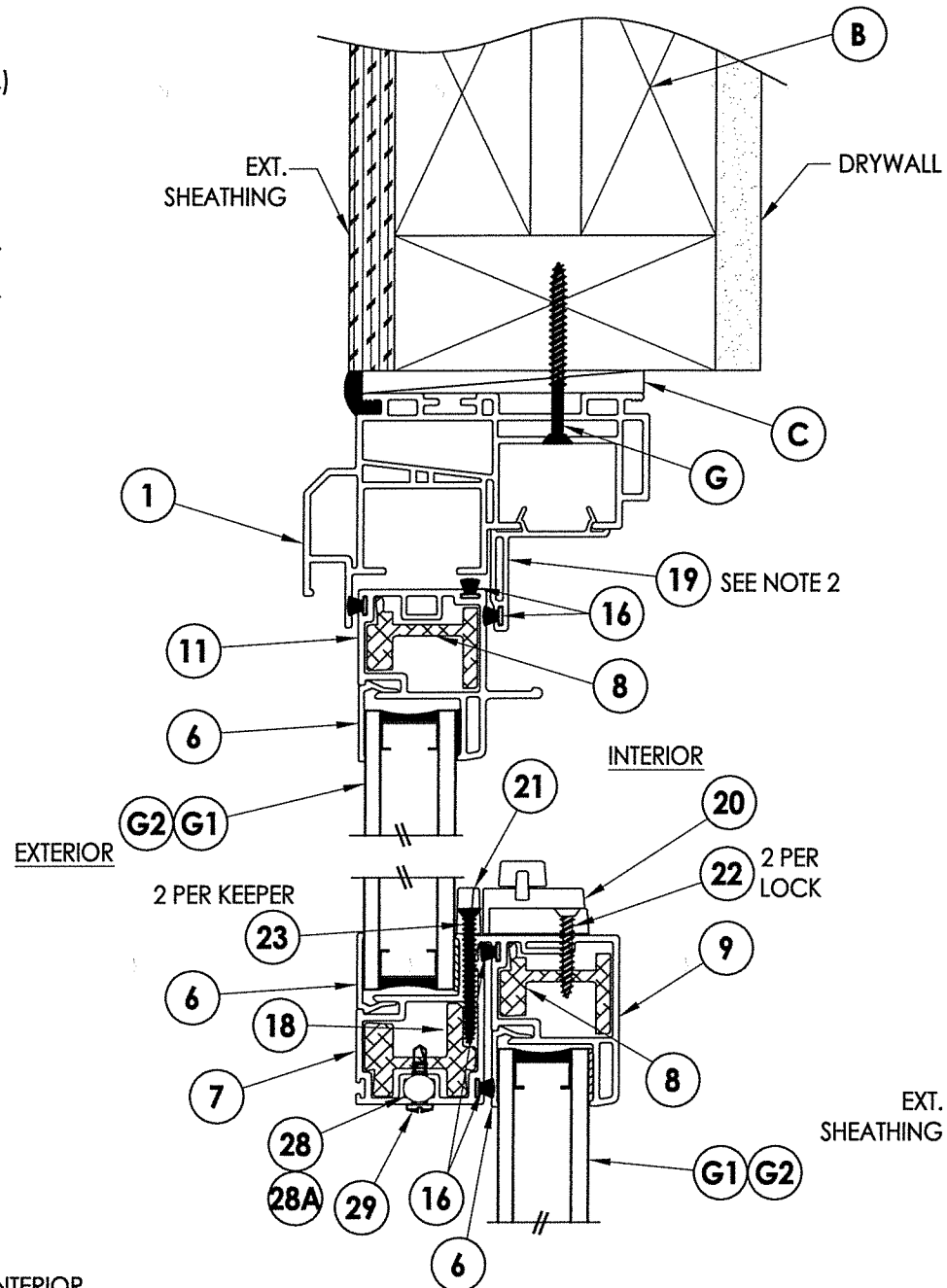
1. Anchors located above the meeting rail are in the interior track and anchors located below the meeting rail are in the exterior track.
2. Item #19 glued to item #1 frame head with PVC Vinyl Cement.



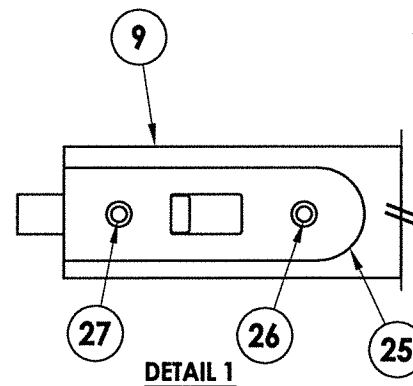
2X FRAMING TO BE DESIGNED BY THE ENGINEER OR ARCHITECT OF RECORD BASED.



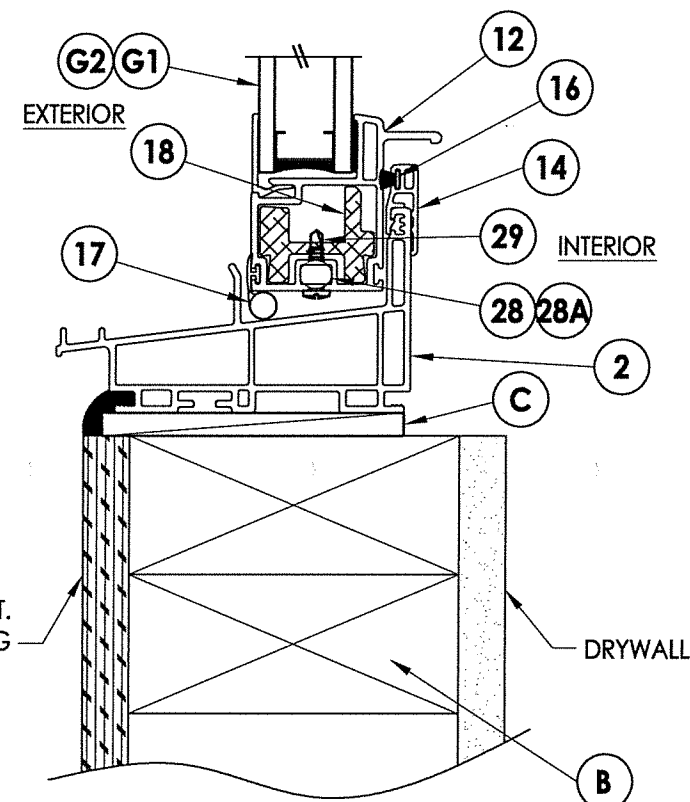
1/2 HORIZONTAL CROSS SECTION



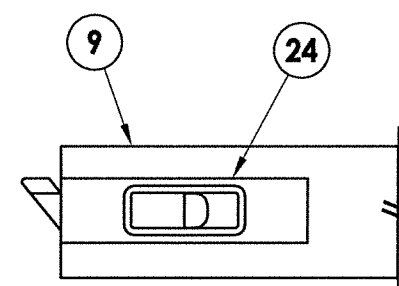
2/2 VERTICAL CROSS SECTION



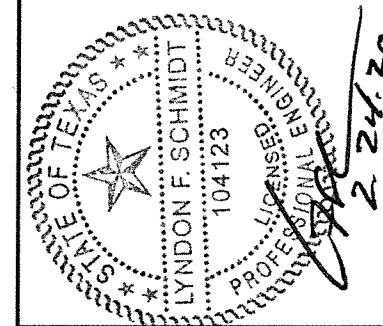
DETAIL 1



3/2 VERTICAL CROSS SECTION



DETAIL 2



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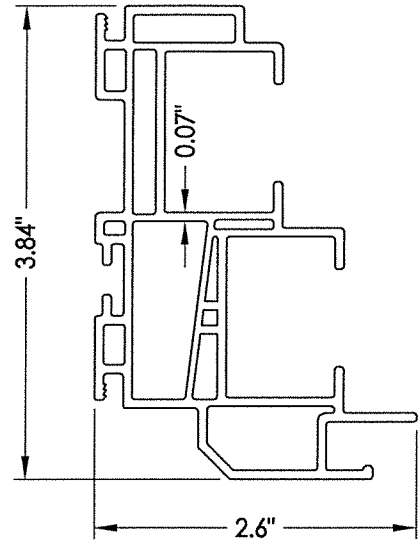
RW BUILDING CONSULTANTS, INC.
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PRODUCT: 8400 SERIES Vinyl Double Hung Window
PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS & FRAME ANCHORING

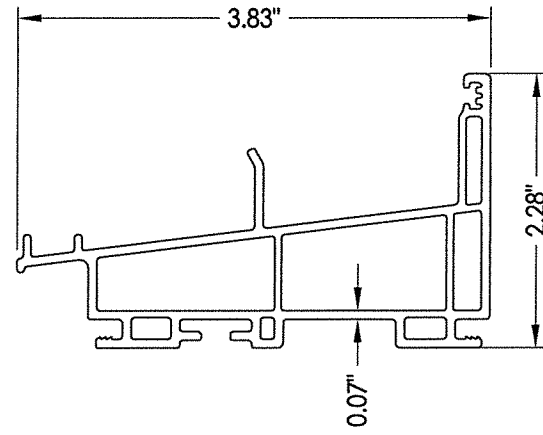
NO.	DATE	BY	REVISIONS
2	1/20/20	LFS	UPDATE TO 2018 IBC/IRC
1	8/27/13	JK	ADDED NEW FRAME SIZE

DATE: 9/10/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4234

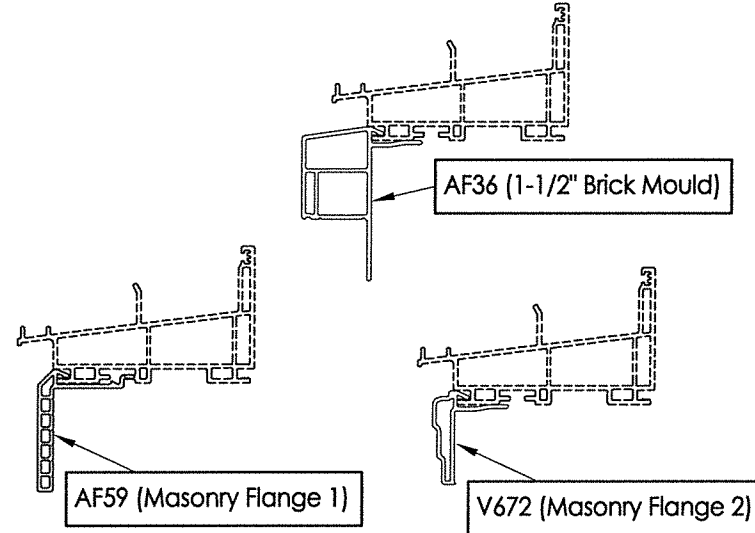
SHEET 2 OF 4



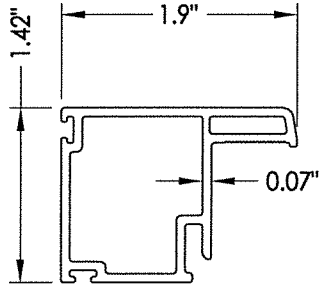
1 FRAME HEAD & JAMB



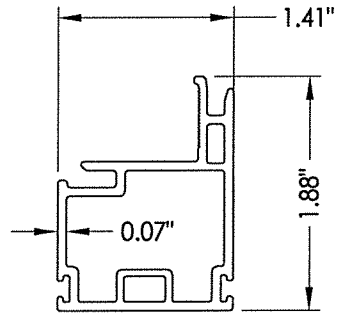
2 SILL



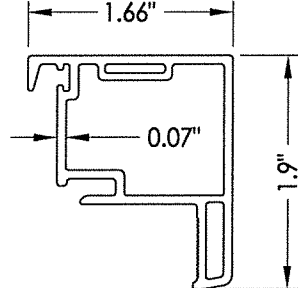
OPTIONAL COSMETIC FLANGES



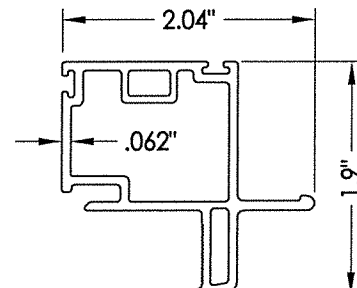
5 SASH STILE



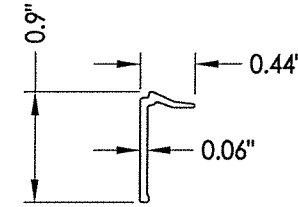
7 KEEPER RAIL
Upper Sash



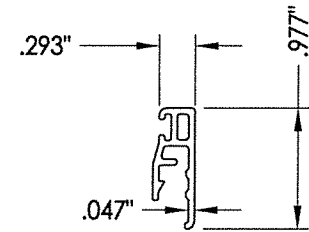
9 LOCK RAIL
Lower Sash



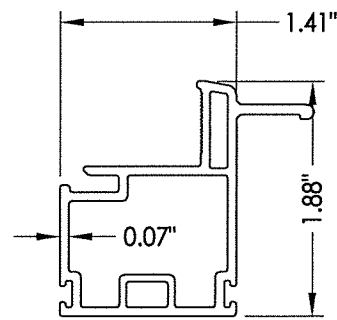
11 TOP RAIL
Upper Sash



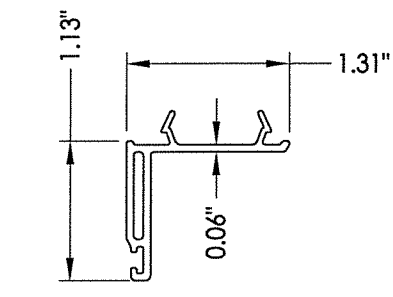
6 GLAZING BEAD



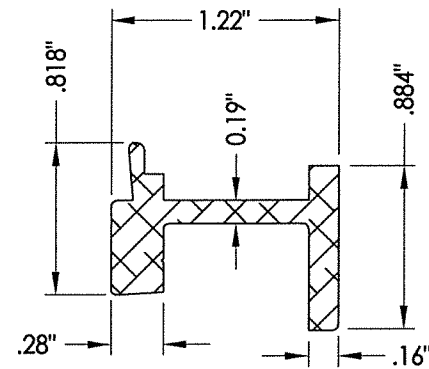
14 SILL DAM EXTENDER



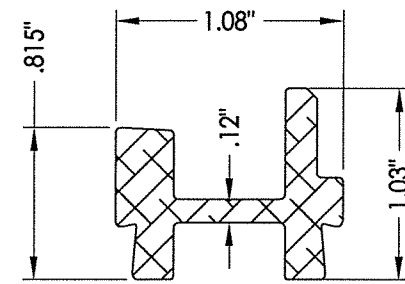
12 BOTTOM RAIL
Lower Sash



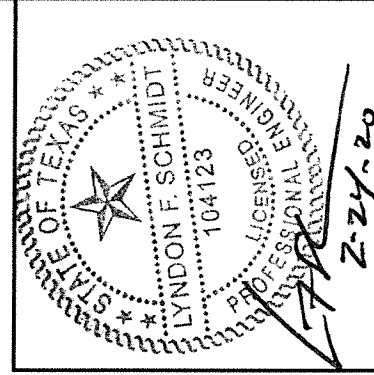
19 HEAD ADAPTER



8 REINFORCEMENT
Alum.



18 REINFORCEMENT
Alum.



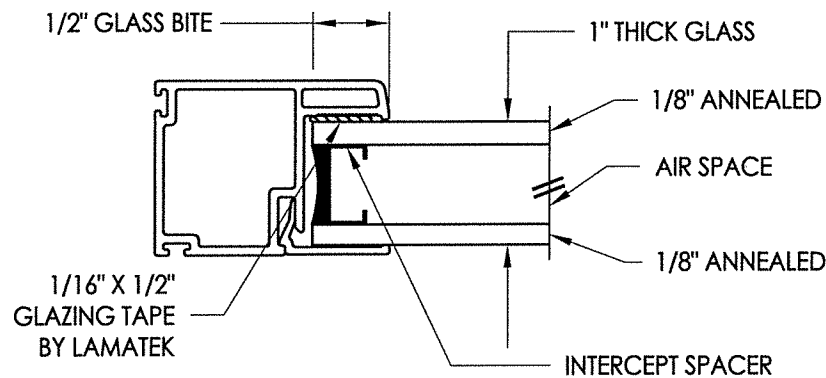
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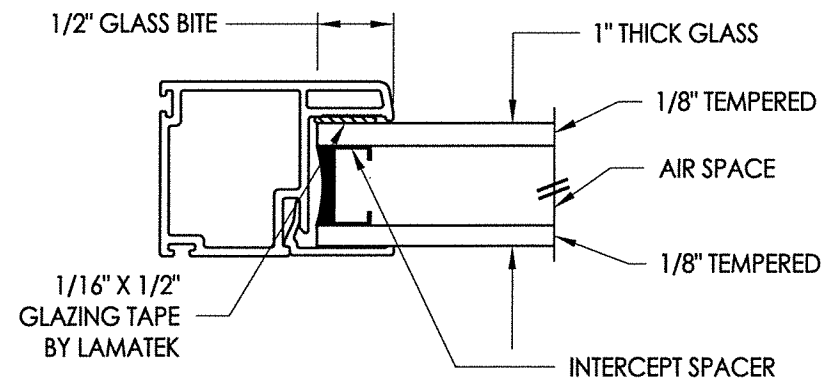
PRODUCT:		8400 SERIES	
		Vinyl Double Hung Window	
PART OR ASSEMBLY:		COMPONENTS	
		LFS	JK
			BY
REVISIONS			
DATE:	9/10/12		
SCALE:	N.T.S.		
DWG. BY:	JK		
CHK. BY:	LFS		
DRAWING NO.:	TX-4234		
SHEET	3	OF	4

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
F	#8 X 1-3/4" PPH WOOD SCREW (1-3/16" MIN. EMBEDMENT)	STEEL
G	#8 X 2" PFH WOOD SCREW (1-3/16" MIN. EMBEDMENT)	STEEL
1	FRAME JAMB*	PVC
2	SILL*	PVC
3	FRAME HEAD*	PVC
5	SASH STILE*	PVC
6	GLAZING BEAD*	PVC
7	KEEPER RAIL UPPER SASH*	PVC
8	REINFORCEMENT (6005-T5)	ALUM
9	LOCK RAIL LOWER SASH*	PVC
11	TOP RAIL UPPER SASH*	PVC
12	BOTTOM RAIL LOWER SASH*	PVC
14	SILL DAM EXTENDER*	PVC
16	WEATHERSTRIP ULTRA FAB .270 PILE - 270 -1875B	-
17	WEATHERSTRIP SILLBULB (AMESBURY 32690)	-
18	REINFORCEMENT (6005-T5)	ALUM
19	HEAD ADAPTER*	PVC
20	LOCK 8513 / 8845 LAWRENCE*	PVC
21	KEEPER 2700/214 LAWRENCE*	PVC
22	#8 X 1" PFH (VINYL LOCK SCREWS)	STEEL
23	#6 X 1-1/2" PFH (VINYL LOCK SCREWS)	STEEL
24	TOP SASH TILT LATCH - ASHLAND*	PVC
25	BOTTOM SASH IMPACT TILT LATCH - ASHLAND	-
26	#8 X 1" PFH SMS	STEEL
27	#10 X 1-1/2" PFH SMS	STEEL
28	PIVOT BAR - CALDWELL	-
28A	PIVOT BAR - STAINLESS STEEL OPTION	-
29	#8 X 1/2" SELF TAPPING PPH SMS	STEEL

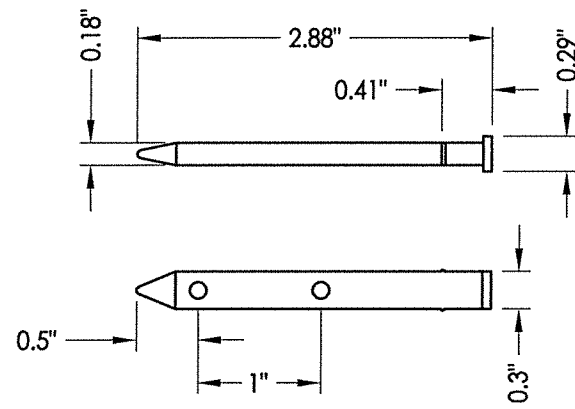
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



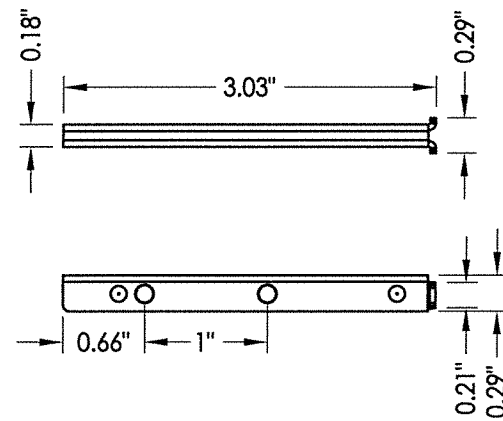
G1 GLAZING DETAIL



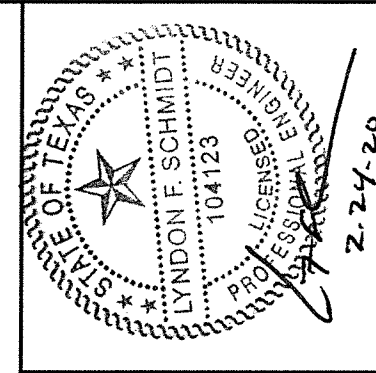
G2 GLAZING DETAIL



28 PIVOT BAR



28A PIVOT BAR



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SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

TX-4234

SHEET 4 OF 4