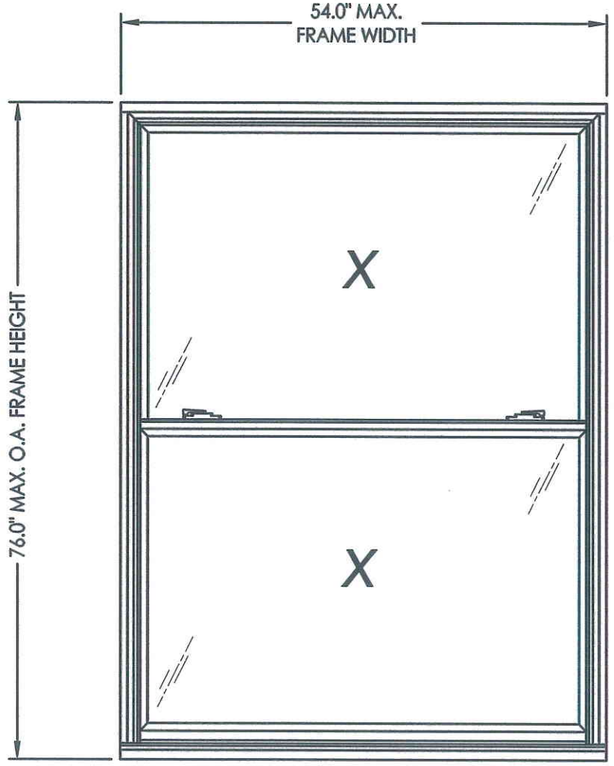
MGM INDUSTRIES

Clearly the right choice!

287 FREEHILL RD.
HENDERSONSVILLE, TN 37075

SERIES 4650-AL EXTRUDED VINYL DOUBLE HUNG WINDOW

"NON-IMPACT"



EVALUATED FOR USE IN THE STATE OF TEXAS

The MGM Double Hung Window described here in 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.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections & frame anchoring
3	Bill of materials, glazing detail and components

OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
54.0" X 76.0"	47.9" X 34.0"	G1	+50.0	-50.0

STATE OF TEXAS
LYNDON F. SCHMIDT
104123
LICENSED PROFESSIONAL ENGINEER
7-6-11

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P.O. Box 230 Valrico FL 33595
Phone No.: 813.659.9197

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

PRODUCT: DOUBLE HUNG WINDOW

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

NO.	DATE	REVISIONS	BY

DATE: 07/05/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4131
SHEET 1 OF 3

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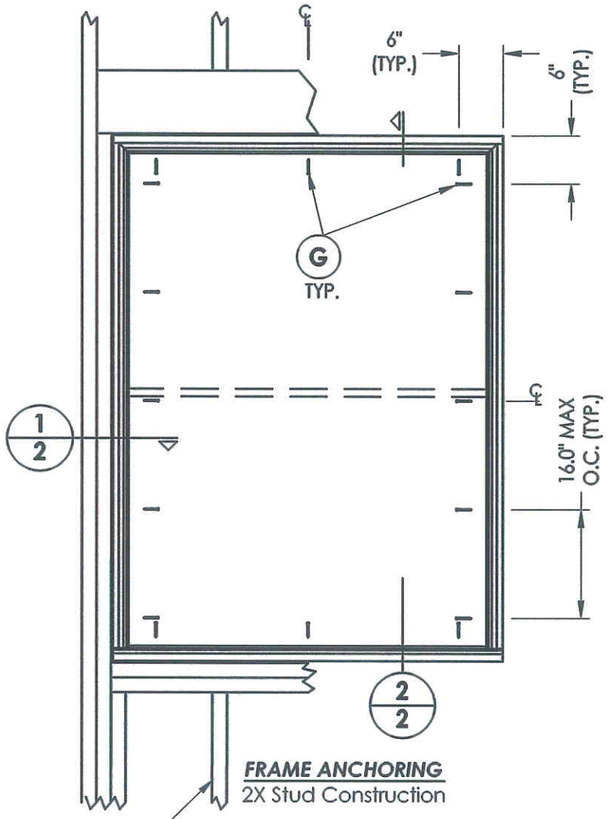
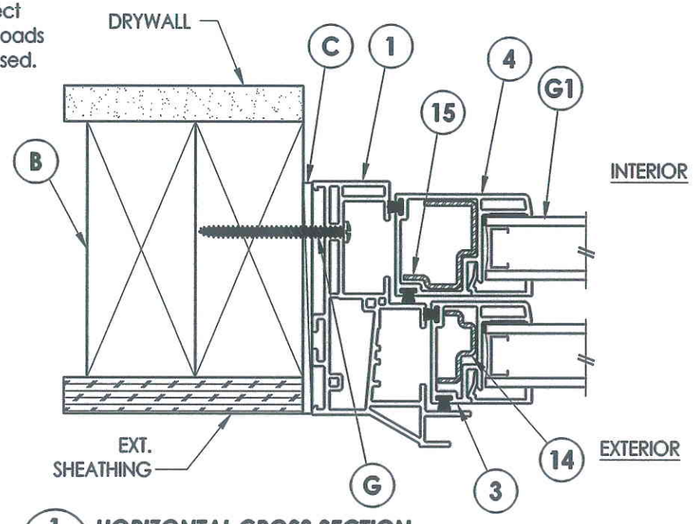
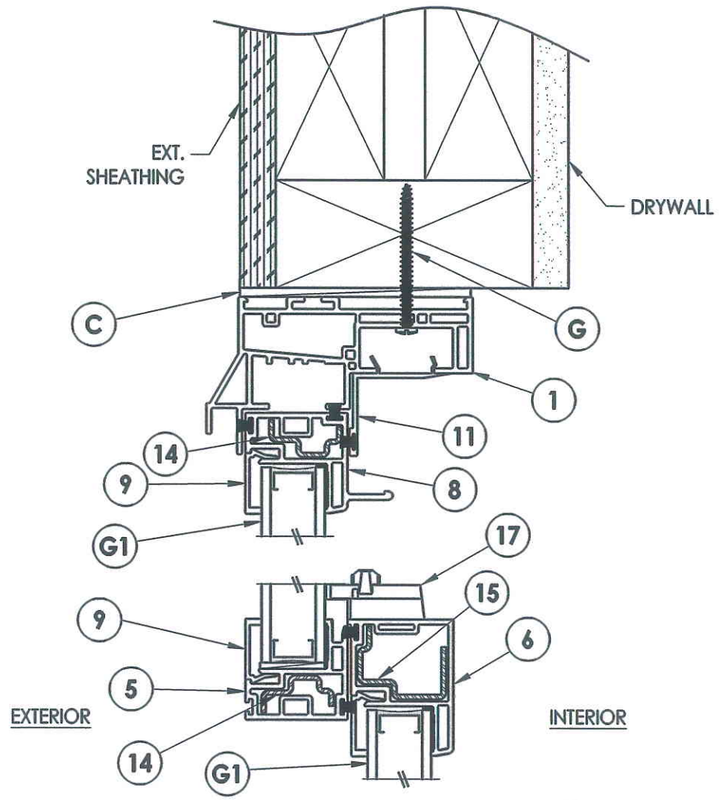


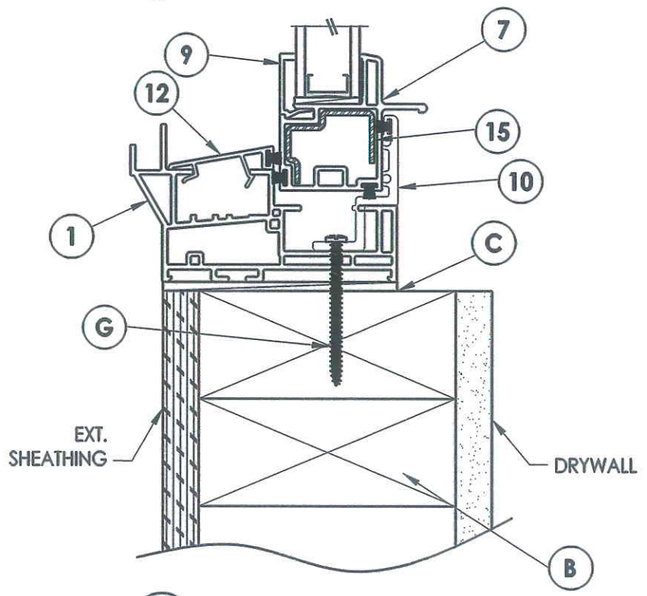
FRAME ANCHORING
2X Stud Construction

2x framing to be designed by the engineer or architect of record based on wind loads and the cladding being used.



1/2 **HORIZONTAL CROSS SECTION**





3/2 **VERTICAL CROSS SECTION**

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

PRODUCT: DOUBLE HUNG WINDOW

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS & FRAME ANCHORING

NO.	DATE	REVISIONS	BY

DATE: 07/05/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4131
SHEET 2 OF 3

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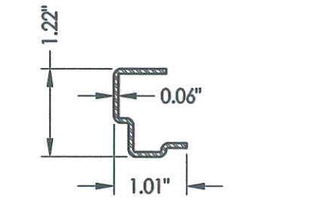
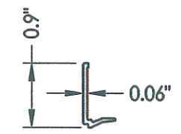
BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/8" MAX. SHIM SPACE	-
G	#8 x 2" PPH SMS	STEEL
1	FRAME* (DH3101)	RIGID PVC
3	LOWER SASH STILE* (DH3045)	RIGID PVC
4	UPPER SASH STILE* (DH3035)	RIGID PVC
5	KEEPER RAIL* (UPPER SASH) (SE3034)	RIGID PVC
6	LOCK RAIL* (LOWER SASH) (SE3046)	RIGID PVC
7	LIFT RAIL* (LOWER SASH) (SE3047)	RIGID PVC
8	PULL RAIL* (UPPER SASH) (SE3037)	RIGID PVC
9	GLAZING BEAD* (BV56)	RIGID PVC
10	SILL INSERT (SHA2105)	ALUM
11	SASH RETAINER* (393)	RIGID PVC
12	SILL INSERT* (DH3307)	RIGID PVC
14	UPPER SASH REINFORCEMENT (RF 3001 SO M)	STEEL
15	LOWER SASH REINFORCEMENT (RF 3101 SO M)	STEEL
16	SILICONE GLAZING BY NOVA GUARD	SILICONE
17	CAM LOCK AND KEEPER	STEEL
18	GLAZING SPACER	ALUM

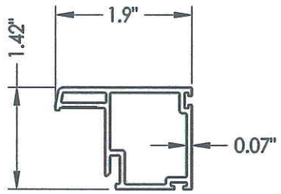
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



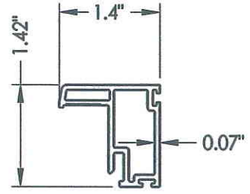
15 LOWER SASH REINFORCEMENT



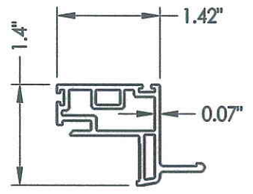
9 GLAZING BEAD



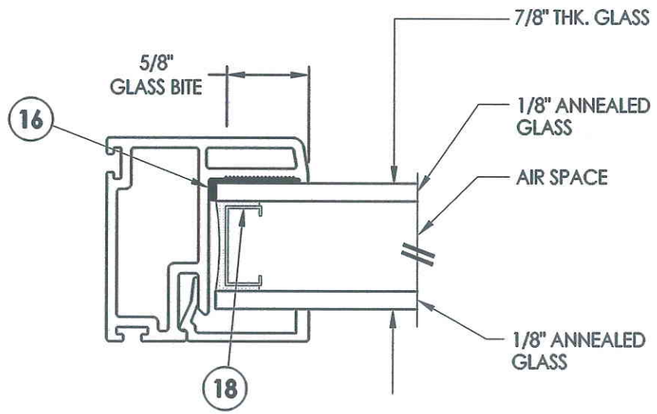
4 UPPER SASH STILE



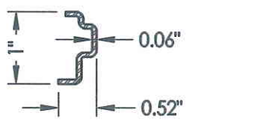
3 LOWER SASH STILE



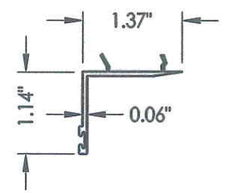
8 PULL RAIL



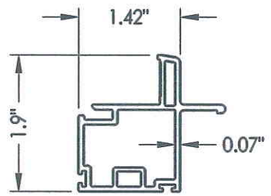
G1 GLAZING DETAIL



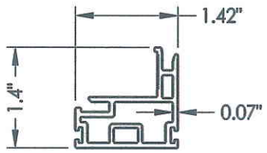
14 UPPER SASH REINFORCEMENT



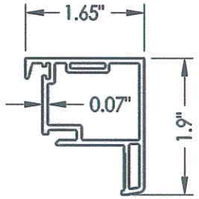
11 SASH RETAINER



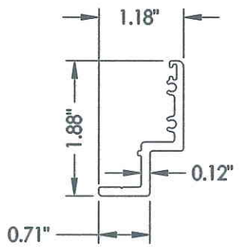
7 LIFT RAIL



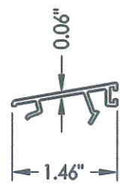
5 KEEPER RAIL



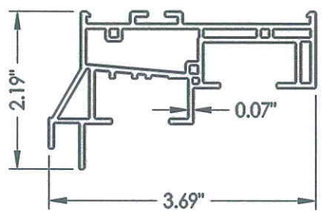
6 LOCK RAIL



10 SILL INSERT Exterior



12 SILL INSERT Interior



1 FRAME

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

NO.	DATE	BY	REVISIONS

DATE: 07/05/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: TX-4131
SHEET 3 OF 3

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