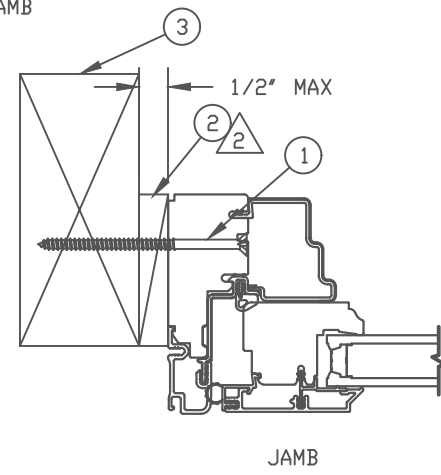
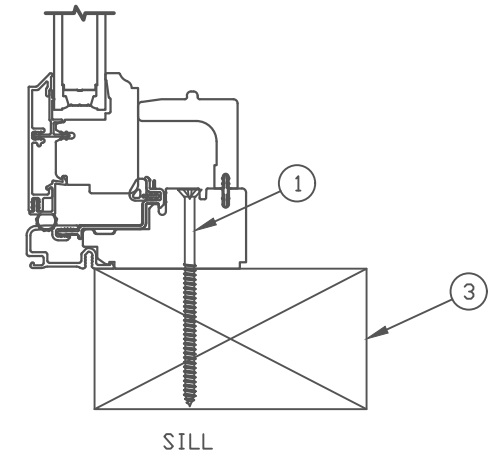


HEAD JAMB



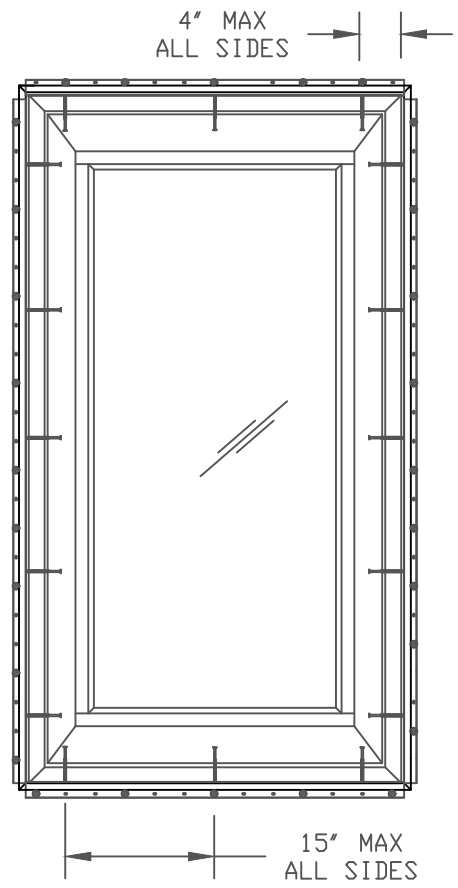
JAMB



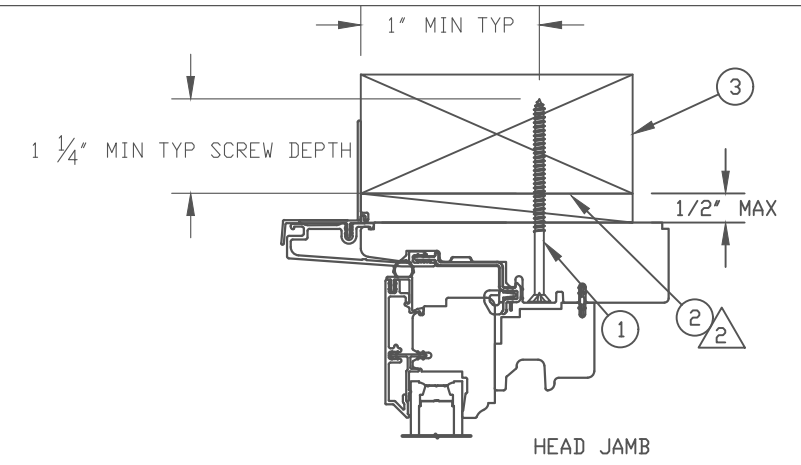
SILL

NARROW FRAME PRODUCT DETAILS

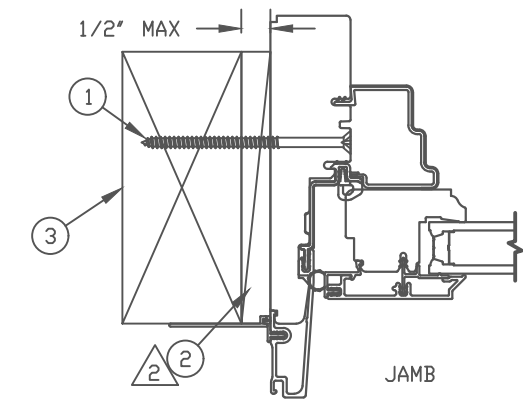
JAMB SCREW INSTALLATION



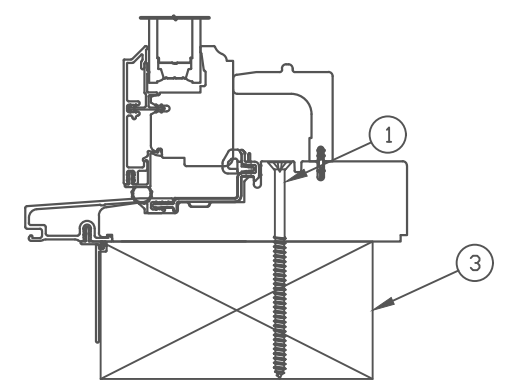
- JAMB SCREW INSTALLATION METHOD:
- UNIT MUST NOT BE IN DIRECT CONTACT WITH EITHER CONCRETE OR TREATED BUCK MATERIAL. IF SHIM SPACE IS LESS THAN 1/8" WRAPPING THE UNIT ON ALL 4 SIDES WITH WINDOW FLASHING TAPE IS REQUIRED AS A BARRIER BETWEEN THE UNIT AND CONCRETE OR TREATED LUMBER.
  - MINIMUM OF 2 PER SIDE.
  - SECURE ALL SIDES WITH #8 X 3" SCREWS.
  - SHIM AT EACH SCREW LOCATION.
  - ALTERNATE SUBSTRATES ALSO APPLY PROVIDED SCREW SIZE IS EQUAL TO OR LARGER THAN A #8 SCREW.
  - FOR DIRECT MOUNT TO CONCRETE 3/16" CONCRETE SCREWS MAY BE SUBSTITUTED FOR THE # 8 SCREWS; THE SCREW MUST BE FULLY SUPPORTED BY SHIM MATERIAL AND HAVE A MINIMUM EDGE DISTANCE OF 2" AND MINIMUM PENETRATION OF 1 1/4". MAXIMUM SHIM SPACE BETWEEN CONCRETE AND UNIT IS 3/4".



HEAD JAMB

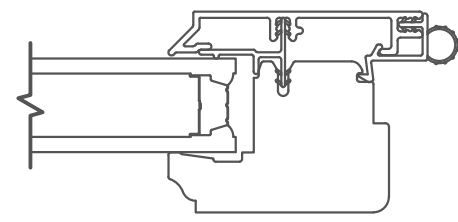


JAMB



SILL

FULL FRAME PRODUCT DETAILS



GLASS COMPLIES WITH ASTM E1300  
GLASS DETAIL

- NOTES FOR ALL METHODS:
- THIS PRINT IS FOR STRUCTURAL PERFORMANCE ONLY. FOR FLASHING & SEALING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS.
  - SHIMS  
-PLACE A SHIM WITHIN 4-6 INCHES OF EACH CORNER AND SPACE ALL OTHERS EVENLY A MAXIMUM OF 15" APART.
  - IF CHEMICALLY TREATED LUMBER IS USED FOR BUCK MATERIAL, FASTENERS INTO THE BUCK MUST BE A MINIMUM OF 0.90 OZ/FT<sup>2</sup> ZINC HOT DIPPED GALVANIZED OR STAINLESS STEEL TYPE 304 OR 316.

UNIT	MAX FRAME SIZE	DP RATING
UL CSMNT	36 X 96 1/8	+50/-50
UL CSMNT NF	36 X 96 1/8	+50/-50
ULCSMNT	40 X 91 1/8	+50/-50
UL CSMNT NF	40 X 91 1/8	+50/-50

3	-----	WOOD BUCK BY OTHER
2	-----	SHIM
1	-----	#8 X 3.000 WOOD SCREW
ITEM NO	REF NO	DESCRIPTION

UNSPECIFIED TOLERANCES	
DECIMALS: XX ± .012 XXX ± .03	ANGLE DEG: ± .5
LINEAL: + .125 - .000	FAB LINEAL: ± N/A
MATERIAL:	N/A

**MARVIN** RESEARCH & DEVELOPMENT

PRODUCT: ULTIMATE CASEMENT  
 CATEGORY: ULTIMATE CASEMENT  
 UNIT TYPE: UCANF, UCANFAWN, UCANFP, UCAWN, UCA, UCAP

DWG TYPE: INSTALLATION  
 DESCRIPTION: INSTALLATION

CHK:	SIZE: B	CLASS: MISC	DWG NO: 00054235
APP:	SCALE: NA	DATE: 02/14/08	DWG BY: SOPKOWIAK, JOHN
			SHEET: 1 OF 1

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