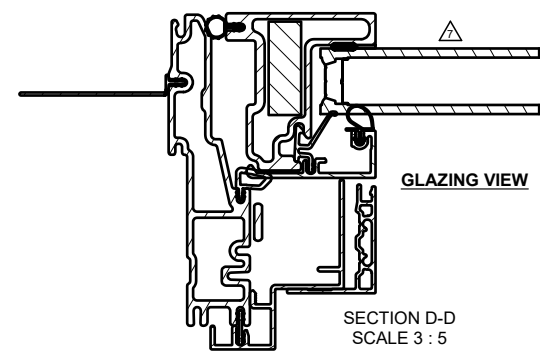


1.250" MIN PENETRATION TYP

UNIT TYPE	FRAME SIZE	DP RATING
MCA	36 X 102	+50 / -50
MCAPO	32 X 108	+50 / -50
MCAMOTO	40 X 96	+50 / -50
	44 X 92	+50 / -50
MAWN	72 X 72	+50 / -50
	64 X 96	+50 / -50
	96 X 64	+45 / -45
MAWNPO	89 X 48	+50 / -50
MAWNMOTO	92 X 44	+50 / -50
	96 X 40	+50 / -50
MCAP	108 X 74	+50 / -50
	74 X 108	+50 / -50
	102 X 79	+50 / -50
	79 X 102	+50 / -50
	96 X 84	+50 / -50
	84 X 96	+50 / -50



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\"/>

CATEGORY:
 CASEMENT

UNIT TYPE:
 MCA, MCAPO, MAWN, MAWNPO, MCAP, MCAMOTO, MAWNMOTO,

UNSPECIFIED TOLERANCES

DECIMALS:	ANGLE DEG:
XX ±NA	±NA
XXX±NA	
LINEAL:	FAB LINEAL:
+NA	±NA
-NA	
MATERIAL:	
NA	

MCA = MODERN CASEMENT CRANK OUT
 MCAPO = MODERN CASEMENT PUSH OUT
 MAWN = MODERN AWNING CRANK OUT
 MAWNPO = MODERN AWNING PUSH OUT
 MCAP = MODERN CASEMENT PICTURE
 MCAMOTO = MODERN CASEMENT MOTORIZED
 MAWNMOTO = MODERN AWNING MOTORIZED

5	XXXXXXX	FRAMING
4	XXXXXXX	SHIMS
3	00110243	NAIL FIN
2	00110353	UNIT, CASEMENT, CRANKOUT
1	00109249	#10-12 X 3.000\"/>
ITEM	DWG NO	DESCRIPTION

PARTS LIST

MARVIN **RESEARCH & DEVELOPMENT**

COLLECTION: MODERN

DWG TYPE: INSTALLATION
DESCRIPTION: INSTALLATION METHODS

CHK:	SIZE: B	CLASS: ASSY	DWG NO: 00115654
APP:	SCALE: 1:8	DATE: 10/28/2018	DWG BY: BALDWIN, JACOB

SHEET:
1 OF 2

NOTES:

- FOR GENERAL SPECIFICATIONS, REFER TO DOC 00003952
- THIS PRINT IS FOR STUCTURAL PERFORMANCE ONLY. FOR FLASHING & SEALING INSTRUCTIONS, REFER TO THE INSTALLATION INSTRUCTIONS.
- IF CHEMICALLY TREATED LUMBER IS USED FOR BUCK MATERIAL, FASTENERS INTO THE BUCK MUST BE A MINIMUM OF 0.90 OZ/FT² ZINC HOT DIPPED GALVANIZED OR STAINLESS STEEL TYPE 304 OR 316
- INSTALLATION SHOWN APPROVED FOR OPERATING AND STATIONARY UNITS
- OPERTING HARDWARE LOCATION IS VARIABLE
- NAIL FIN FOR ALIGNMENT PURPOSES ONLY, NOT ANCHORED
- GLASS COMPLIES WITH ASTM E1300

1.1	ADDED MCAP, MCAMOTO & MAWNMOTO USAGE & CHART INFO. REPLACED ITEM 1 00111121 WITH 00109249 IN PART LIST	PEND	01/30/2024	JAB
REV	DESCRIPTION / REQUESTOR	ECN NO	DATE	REV BY