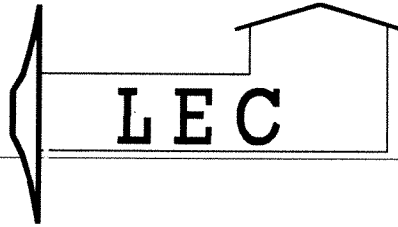
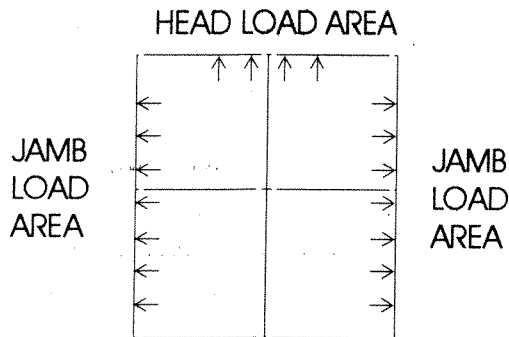


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BUILDERS CHOICE WINDOW AND DOOR CALCULATIONS FOR SINGLE GLAZED 1000 SERIES



TRAPEZOIDAL LOAD PATTERN MASONRY

NOTE: SILL LOADING NOT USED DUE TO ADHESIVE FASTENING OF SILL.

FASTENER CALCULATIONS WERE DONE FOR 30, 40, 50, 60, AND 90 PSF.

FASTENER: 3/16 DIA COLD ROLLED CONCRETE SCREW
DESIGN SHEAR STRENGTH OF FASTENER = 250 LBS

CALCULATION FOR NUMBER OF FASTENERS:

REQUIRED NUMBER OF FASTENERS = $\frac{\text{LOAD AREA IN SQ. FT.} \times \text{DESIGN PRESSURE}}{\text{DESIGN SHEAR STRENGTH OF FASTENER}}$

NOTE: THE NUMBER OF FASTENERS WERE ROUNDED UP.

WHILE REMAINING FACTORY INSTALLATION HOLES ARE TO BE FILLED WITH #8 SCREWS, THIS FASTENING WAS NOT FIGURED INTO LOAD CALCULATIONS, NOR THE FASTENING OF 1x WINDOW BUCK TO CONCRETE.


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