

Pressure Equalization

The gap in the outer row of gasket on a Negative pressure application door is intentional (see figure 1 below). It is done to provide “Pressure Equalization” which increases the performance of the door. This gap allows the atmospheric pressure on the outside of the door to “equalize” with the pressure in between the two rows of gasket. The equalized pressure in between the gaskets allows the weep system in the door to drain any water that might pass by the outside row of gasket. (See figure 2 below) This critical design characteristic is a big part of our door performance passing 20” water column of pressure with no leakage.



Figure 1

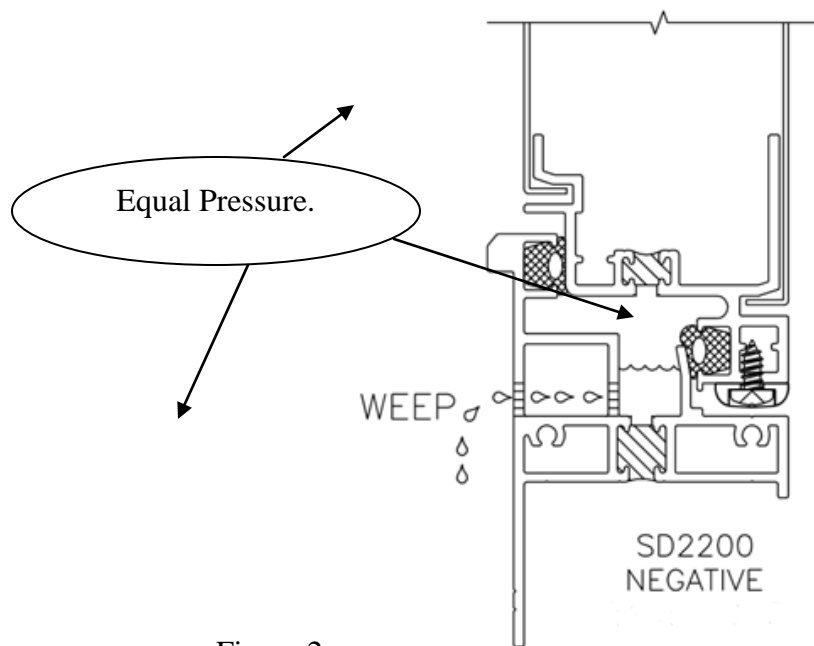


Figure 2