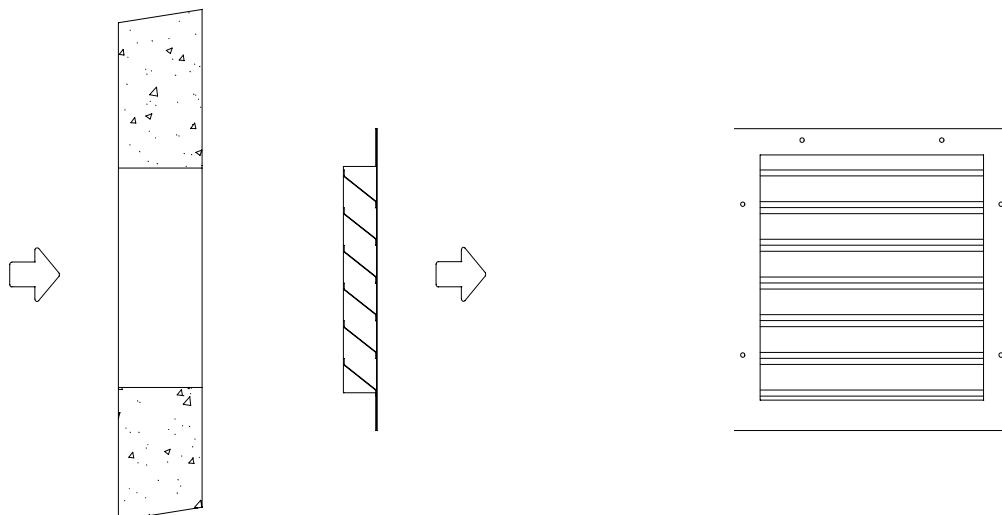


PRD High-X Range – External Weather Louvre



THE HIGH-X PRD PRESSURE VENT EXTERNAL LOUVRE

The High-X Range of Pressure Relief Vents is a new patented development in the world of pressure relief vent for gaseous extinguishing system that provides a greater efficiency factor of free vent area at all pressures. This mean that we needed to develop an External Louvre that provides a much higher free vent area than the standard types available on the open market.

The main problem with standard Louvres is they are only about 50% efficient in terms of free vent area. We wanted unit that would provide a much higher free vent area so that we could provide louvres that would fit the same sized aperture as the High-X PRD at all pressures.

We worked with a number of materials, angles, sizes blades and distances between blades. We finally can up with a unit that achieves a free vent area that is greater than the free vent area of the PRD at 250 Pascal's which is 75% efficient. This louver also provides a high level of weather resistance.

The LW Weather Louvre can be sized to match the PRD in risks requiring a maximum over pressurisation of 250 Pascal's or less. For risks above this pressure larger louvers to the size of the PRDs will be required.
