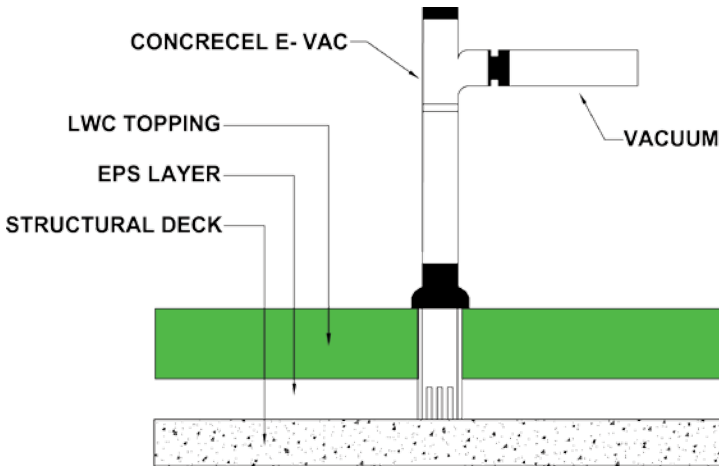


E-VAC SYSTEM



Water Removal Recommendations

In the event a completed and uncovered lightweight concrete deck is exposed to heavy or prolonged rain conditions, water will penetrate the LWIC deck at the perimeter and penetrations. This water will then settle below the lightweight concrete at the structural roof deck. Concrecel recommends that this excess water be removed from the roof deck by means of a simple vacuum procedure outlined below.

Begin by drilling a core into the Lightweight Insulating Concrete just above the structural roof deck then insert and seal the E-Vac pipe into the lightweight concrete deck. The E-Vac pipe is then connected to a portable wet/dry shop vacuum to begin the water extraction process. The vacuum created under the roof deck will facilitate the removal of the water that has settled below the lightweight insulating concrete. The number of E-Vac systems used will determine how fast this water extraction process will take.

As a general practice to avoid water intrusion under the lightweight insulating concrete, ensure timely scheduling of roof cover installation over the placement of the lightweight insulated concrete. It is also recommended that all roof drain systems are operational throughout the roof construction.