**Deep Seal Trap Details**

**Physical Plant Department**
69 Freedman Crescent  Winnipeg, MB

**Drawing Title:**
DEEP SEAL TRAP DETAILS

**Sheet Title:**
A & E STANDARDS

**Scale:** NTS  
**Date:** AUGUST 2004  
**Drawing By:** J.A.L.  
**Detail No.:** 15400-086  
**Dwg. No.:** D-***

**Diagram:**
- **Negative Pressure:** Cooling coil, fan, air flow, floor drain, slope down to drain, trap, clean out.
- **Positive Pressure:** Cooling coil, fan, airflow, funnel floor drain, pitch down, trap.

**Note:**
A trap is required to hold a head of water which equals the pressure difference that exists between the inside of the air unit and the atmosphere on the outside of the unit. When the unit runs the differential pressure causes the water in the trap to move vertically. This produces a water column of sufficient height to balance the pressure difference. Once the water column is established, additional condensate simply fills and overflows the trap on its way to the drain.