# Case Study – AquaTray – Leak Barrier Ceilings

## Case Study – GSA Government Client

A GSA Government Client purchased and installed the AquaTray® - Leak Barrier Ceilings system to protect its Uninterrupted Power Supply (UPS) room at its Philadelphia site. The project covered approximately 228 square feet using a combination of drainage panels and raised flat panels. This installation utilized an emergency drain shown at the bottom-center of the photo, designed to funnel potential water leakage to a water drain in an adjacent room. The AquaTray® system was completely installed in a heavy duty Gordon DC1.5 grid.

After the installation of AquaTray® system, a leak event occurred when a toilet flush valve stuck open in a toilet room on an upper floor. This flooded the toilet room and caused water to descend and enter the ceiling of the UPS room. A rough estimate of at least several gallons flowed into the system. The AquaTray® System contained the leakage and carried the water away to the emergency drain.

The AquaTray® product functioned as intended during this leak event. One technician required 6 hours to clean and restore the system. The AquaTray® system is designed to mitigate catastrophes into minor annoyances. The General Manager of the project commented the AquaTray® System is "Awesome!"

AquaTray LLC is the market developer and industry leader in a new class of commercial ceiling system – the **Leak Barrier Ceilings**. Now there is a way to provide a pre-engineered solution to the common problem of overhead leak threats. When the AquaTray® system is installed and inspected, through the permitting process, by local building code officials, the AquaTray® system will meet typical building codes and standards for a Class 1A product. The system provides protection from a sizable leak that is ready 24/7/365. The AquaTray® system provides **true protection and not just detection** in the event of an overhead leak.

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