



3000 SERIES™

SERIOUS DRAINAGE • SERIOUS SOLUTIONS

APPLICATION PROFILE

3000 SERIES™ KEEPS AIRPORT TAXIWAYS DRAINED



The 3000 Series™ high capacity drain system was recently installed between an airplane hangar and a taxiway at Salem Airport in Salem, Oregon. There was 360 feet of 3000 Series™ drain system put in place.



Taxiways must have a drainage system that can quickly move large amounts of water from the surface. With a flow capacity of up to 3000 gallons per minute, 3000 Series™ fit the bill perfectly. In fact, W.H. Pacific, the engineering firm for the project, chose 3000 Series™ over a competing drainage system because of its greater drainage capacity and ease of installation.

Paul Stanley of Dalke Construction, the contractor for the project, said that the installation was quick and easy. He says, "Our workers had no problem installing the drain system, despite the fact that they had no previous experience with the product. It's a great system and we were really impressed with how easy it went in."

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Not only does 3000 Series™ have a great flow capacity, but it's also strong. Installed with cast iron grating, the drain system is able to withstand heavy traffic, including aircraft as large as the Boeing 737.

TECHNICAL DATA

Product: Taxiway Drain System

Process: Pultrusion

Materials: 3000 Series™ FRP channels, polyester resin
Gray iron slotted grates with a proof load of 308 psi

Sizes: 8" wide at top (bulb shaped) x 8' long sections; 12.41" - 25.85" depths

For: Salem Airport



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DRAIN SYSTEM SAVES MONEY AT LOCAL AIRPORT

An engineering firm that specified 3000 Series™ for an airport drainage system was able to save its customer some big bucks thanks to its choice of materials for several drainage runs.

Engineers as URS Corporation had a good reason for specifying 3000 Series™ for the installation of six drainage runs between newly constructed hangars at the Frederick Municipal Airport in Frederick, Maryland. 3000 Series™ allowed the firm to save approximately \$150,000 on the job.

The slotted pipe drainage system originally specified was non-sloping and required the use of two catch basins per run. When URS Engineers learned that the 3000 Series™ system would allow them to eliminate some of the \$25,000 per structure catch basins, they eagerly approved the 3000 Series™ instead.

The 3000 Series™ system increased the inflow and outflow enough to actually cut the number of catch basins required in half. The ease of installation and



the durability of the frames and grates were also attractive features to the URS engineers.

The contractor was pleased with the system as well. "It's a good product," said Roger Reed of C. William Hetzer, Inc. "We had three or four people doing the installation and the drain went together smoothly."

The drain was installed in concrete sleeves so the system could be left in place while waiting for the final paving layer.

"3000 SERIES™ allowed the firm to save approximately \$150,000 on the job."



TECHNICAL DATA

Product: Airport Drainage System

Process: Pultrusion

Materials: 3000 Series™ channels, iso-polyester

For: Frederick Municipal Airport



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