

RONALD REAGAN WASHINGTON NATIONAL AIRPORT



Ronald Reagan Washington National Airport serves passengers traveling to and from the Washington D.C. metropolitan area. The new terminal includes several interesting architectural features including tall domed ceilings and large glass surfaces.

One of CFA's primary goals for the project was to provide acoustical consultation and recommendations to ensure that the acoustical character of the terminal would provide the proper environment to support the paging system. To meet this goal, the solution was to incorporate sound absorbing materials into the shape of the ceiling domes. CFA also provided audio communication (paging) system design and on-site commissioning services for the new terminal.

The audio communication system utilizes the latest in computer based announcement control systems including the routing of live and prerecorded announcements as configured by software. In addition to typical ceiling mounted distributed loudspeakers, the system design includes constant directivity high frequency horns to ensure intelligibility in the reverberant spaces of the terminal.



Client: Metropolitan Washington Airport Authority; Washington, D.C.

Facilities: International Airport

Designer: John V. Fricke

Completed: 1997