



ARIZONA SUPREME COURT

Phoenix, Arizona

APPLICATION:

The Arizona Supreme Court upgraded its HVAC system to enhance efficiency and comfort. Custom Temtrol ITF units from Nortek Air Solutions were selected for their retrofit compatibility and ability to navigate tight installation spaces without disrupting operations.

PROJECT TEAM:

Engineer: LSW Engineers

General Contractor: SD Crane Builders

Mechanical Contractor: Tolin Mechanical

DESIGN & PRODUCT SOLUTIONS

The State of Arizona undertook a critical HVAC infrastructure upgrade at the Arizona Supreme Court, replacing all air handling units throughout Justice Hall and the Supreme Court justices' offices. Designed by LSW Engineers and installed by Tolin Mechanical, the project featured Temtrol ITF units from Nortek Air Solutions, replacing outdated Pace units originally installed in the 1980s.

The retrofit was executed in two phases to avoid disrupting court sessions, with rooftop units lifted by crane and basement units shipped in sectional 42-inch segments to navigate tight service entrances and the central plant. Key design challenges were solved through custom fabrication, including adapting to concrete roof curbs, aligning with existing ductwork, and integrating sound traps to minimize noise above judicial offices.

Nortek's ability to customize units for retrofit compatibility and sectional delivery, along with competitive lead times and strong relationships with the design and service teams, secured their position as the basis of design.

