



## PROJECT

**State Road Women’s Detention Facility**  
**Philadelphia, PA**

## ARCHITECT

**Buell Kratzer Powell**  
**Philadelphia, PA**

## DETAILS

**SonaSpray “fc” White**  
**1” Thickness**

Detention facilities are designed to safely and securely hold individuals who threaten public safety. Unfortunately, in order to securely isolate these individuals, hard, reflective surfaces must be utilized. These acoustically reflective surfaces contribute to a cycle of escalating noise levels among prison staff and inmates.

The Philadelphia Women’s Detention Facility is no exception. The new 207,000 sq. ft. correctional facility located in northeast Philadelphia is designed to house 768 inmates. Construction was nearly complete when it was discovered that the acoustics within the prison dayrooms had not been addressed.

SonaSpray “fc” was chosen as the acoustical treatment for its superior sound absorption qualities and “fast-track” installation that was critical in meeting the scheduled completion date. When applied at its maximum installed thickness of 1”, SonaSpray “fc” achieves an unequalled NRC value of 0.90.

SonaSpray “fc” provides a strong, durable and resilient bond. It’s durable

surface resists impact damage without the cracking or spalling typical of many plaster or cementitious-based materials. SonaSpray “fc” will also conform to any surface configuration such as barrel vaults, pan construction and the concrete “T” ceilings within the prison’s dayrooms.

SonaSpray “fc” provides an attractive, high performance solution to acoustical and lighting objectives in both new construction and renovation projects. Typical installations include schools, churches, auditoriums, libraries, detention facilities, offices, and many more.

For more information on this project or a similar application, contact **Retrotherm** at **(610) 966-2400** or visit us at **[www.retrotherm.com](http://www.retrotherm.com)**.