



# PROJECT PROFILE

## Space Science & Technology

Houston, Texas

*Client:*  
Rice University  
Houston, Texas

*Approximate Construction Cost:*  
\$220,000.00

*Year Completed:*  
August 2011

*Services Provided:*  
Design, CA, & Testing

*Contractor:*  
Tellepsen (GC)  
Chamberlin Roofing & Waterproofing



The Space and Science Center is located in the campus of Rice University in Houston, Texas. The building is a 3-story educational facility that was constructed in the 1960s. The building is comprised of a classroom core and walkway/hallways situated around the perimeter of the building. An aluminum-framed curtain wall occurs along the outer edge of the building to provide vision and daylighting to the classroom and walkway areas. PCI was engaged by Rice University to work in conjunction with the General Contractor, Tellepsen, and the Project Architect, HOK, to renovate and restore the curtain wall.

The scope of work included the following: removing and salvaging the glazing and metal spandrel panel; installation of self-adhering membrane at slab edges and behind metal panels; sealing joint plugs; re-working internal water diverters; replacing metal panels at corners; re-installing glazing and metal spandrel panels; installing new pressure plates, gaskets, and mullion caps; and applying preformed sealant strips at metal coping joints. PCI's services included providing technical consultation during the design phase; providing construction technical support; and providing on-site quality assurance inspections. PCI personnel also performed water spray testing of the curtain wall system upon completion of the re-installation process. The testing was performed in accordance with ASTM E 1105 utilizing pressurized chambers at three locations.

