

LARGE
PROJECTS
THIRD
PLACE

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Wiss, Janney, Elstner Associates, Inc.

Littlefield and Carothers Dormitories

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The Littlefield and Carothers Dormitory reroofing project involved two buildings built in 1927. The buildings are in the Spanish Renaissance style

with steep-sloped tile roofs. The project involved removing the tile roofs and storing the tile for later reinstallation. Wiss, Janney, Elstner (WJE) designed the new roof to meet the Texas Energy Code with R-20 roof insulation over the wood deck. Wood nailers were installed to secure the insulation and plywood decking over the insulation. A high-temperature, self-adhering underlayment was applied and the original tiles reinstalled.

The project scope also included all new copper flashings, gutters, and downspouts. Several copper roof dormers created creative flashing opportunities for the designers. An additional feature included in the project was fall protection tie-offs to facilitate maintenance personnel working on the roofs for routine maintenance and gutter cleaning. The project also included adding lightning protection to the 88-year-old building.

Since the buildings were operating women's dormitories, safety for tenants and workers was a paramount consideration. All equip-

ment and materials were concentrated in a fenced area with warning signs at key locations. Walkway barricades were installed at key locations to protect pedestrians from falling debris or objects.

The projects were successfully completed on time, within budget, and in accordance with the bid and construction documents.



Carothers Dorm showing the copper on the barrel dormer, tile, and a copper valley flashing.

Littlefield Dormitory showing tile and copper flashings.

