

Sam Houston State University Building Enclosure Restoration

Project Description and Services Provided:

The Sam Houston State University (SHSU) Belvin-Buchanan Hall complex comprises two 2-story housing dormitories reportedly constructed in 1940, per university personnel. The buildings are mass wall masonry construction with sprayed polyurethane foam roof systems over concrete roof decks. The primary roof systems were from the original construction. The objective of the exterior facade survey was to identify and document typical conditions that may impact the proposed façade/masonry repair and window replacement scheduled by the University at both dormitory buildings. Terracon's scope initially was to focus on the assessment and investigation of the original wooden windows that were targeted for replacement and upgrade, however Terracon's investigation promptly identified other critical enclosure and waterproofing issues that would have derailed the long-term success of any such window replacement project. These issues included impacts identified from a poorly performing roof system and its contribution to water intrusion within the building as well as structural issues associated with the masonry façade. Our efforts provided the project's architect and the University with additional information and recommendations on which to proceed with the restoration of these historic campus buildings. Support included remedial design recommendations and details to support the restoration efforts including the window replacement and other key façade repairs.



Final construction costs:	Estimated at \$2.5 Million
Final Project Size:	Two story housing buildings
Start/Finish:	2014 - 2016
Other Consultants:	
Client Contact:	Silvana Micolich 713-524-5858
Length of Business Relationship:	Two years