

UTHSC Institute of Molecular Medicine (IMM)

Field Testing of Tension Cable Anchorage Plates

Houston, Texas



CLIENT

Fugro Consultants LP

CHALLENGE

Steel plates embedded in concrete beams served as the anchor points for high tension cables supporting a unique full-story glass wall system. Given their critical function, the project team decided to test the embedded plates in a manner that would provide confidence that they would perform as intended.

STRUCTURE

The Institute of Molecular Medicine (IMM) is a state-of-the-art laboratory and lecture facility at the University of Texas Health Science Center. The six-story structure includes a full-height glass wall that is supported by tensioned cables.

SOLUTION

In order to provide meaningful results related to the functionality of the system, WJE engineers developed and executed a complete test protocol, including the selection of test specimens, instrumentation design, and monitoring of specimen performance under load.

