Bond of FRP with concrete has been a major setback in the widespread use of FRP as reinforcement in concrete structures. Researchers at RB²C have come up with a bar termination system which is relatively inexpensive to manufacture and simple to install.

**BACKGROUND**

**OBJECTIVES**

Assessing the performance of GFRP bars with the new end-anchors by comparing their behavior to the one of conventional bent terminations and straight bars.

**APPLICATION**

The inability of bending the FRP bars makes the development length of the flexural reinforcement very long. The end anchors, if proven successful, will totally eliminate the need for a bent termination.

**RESULTS**

The load carrying capacity increases with the increase in the depth of the embedment. Specimens E8 showed a better performance than the bent specimens demonstrating the great potentials of this technology.