## PROJECT PROFILE

## American Battle Monuments Commission - Water Storage Tanks, Manila, Philippines

Repair System: Wet Layup with GFRP
Owner: ABMC
Project Management: Gary Kaye Design, Phoenix, Arizona
Installer: Well-Built, Quezon City, Philippines
FRP Design and Materials: QuakeWrap, Inc.
Location: Manila, Philippines

## Project Synopsis:

- The American Cemetery in Manila, Philippines is administered by the American Battle Monuments Commission. The cemetery harbors fallen soldiers from World War II and is of high historic value.
- The irrigation water for the lawn is supplied from two 400,000 gal reinforced concrete storage tanks.
- The storage tanks were deteriorated, and therefore, the owner of the project entertained replacing the tanks in kind.
- Upon discovering QuakeWrap's FRP solutions, they have realized they could save $75 \%$ over replacement.
- QuakeWrap provided a structural, corrosion resistant GFRP lining system, which was also installed in a fraction of time it would take for replacement.
- An international team of design, project management, and installation completed the project on schedule and within budget with no significant issues.


## Project highlights:

- ABMC saved 75\% by going with QuakeWrap's solution.
- A detailed 3D design, strong collaboration, coordination, and training were the key to success.
- The dual layer (with a chopped and woven mat) GFRP laminate is NSF 61 certified and impermeable in addition to its high strength.


## QuakeWrap



