



**Infrastructure Innovators Since 1994**

**QuakeWrap, Inc.**

6840 S. Tucson Blvd., Tucson, AZ 85756

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[www.quakewrap.com](http://www.quakewrap.com)

## PROJECT PROFILE

### Water Storage Tank Rehabilitation, Santo Domingo, Dominican Republic

**Repair System:** Wet Layup with GFRP

**Owner:** Corporacion Del Acueducto Y Alcantarillado de Santiago (CORAASAN)

**Project Management:** Core Dominicana, Santo Domingo, DR

**Installer:** Core Dominicana, Santo Domingo, DR

**FRP Design and Materials:** QuakeWrap, Inc.

**Location:** Santo Domingo, DR

#### Project Synopsis:

- One of the water storage tanks of CORAASAN, the main water supplier for Santo Domingo was in need of structural rehabilitation due to apparent defects and leaks.
- Initial approach was sealing the leaks with grout. Upon consultation with QuakeWrap engineers, CORAASAN concluded a structural rehabilitation with an FRP system would be a better solution with respect to longevity and reducing risk exposure on a critical structure for Santo Domingo.
- The storage tank has an approximately 2.5 mega gallon (10,000 cubic meters) capacity.
- In coordination with its partner in Dominican Republic, Core Dominicana, QuakeWrap team provided an economical and feasible solution for the rehabilitation of this critical structure utilizing an NSF 61 certified glass fiber reinforced polymer (GFRP) liner.
- QuakeWrap's biaxial, dual-layer (for improved water tightness) glass fabric (B2408G) was used as the main material for rehabilitation.
- Installation was carried out by Core Dominicana with on-site supervision provided by QuakeWrap.
- An international team of design, project management, and installation completed the project on schedule and within budget with no significant issues.

#### Project highlights:

- CORAASAN has saved substantial amount of money (estimated at more than \$ 2 million) in comparison with Replacement.
- QuakeWrap's structural lining system has reset the service life of the storage tank for another (minimum) 50 years in comparison with "band-aiding" cracks with grout, which is neither a long-term solution nor improve the overall structural integrity.
- A detailed design, strong collaboration, coordination, and training were the key elements to success.

**Contact an engineer today at**  
**[info@quakewrap.com](mailto:info@quakewrap.com)**



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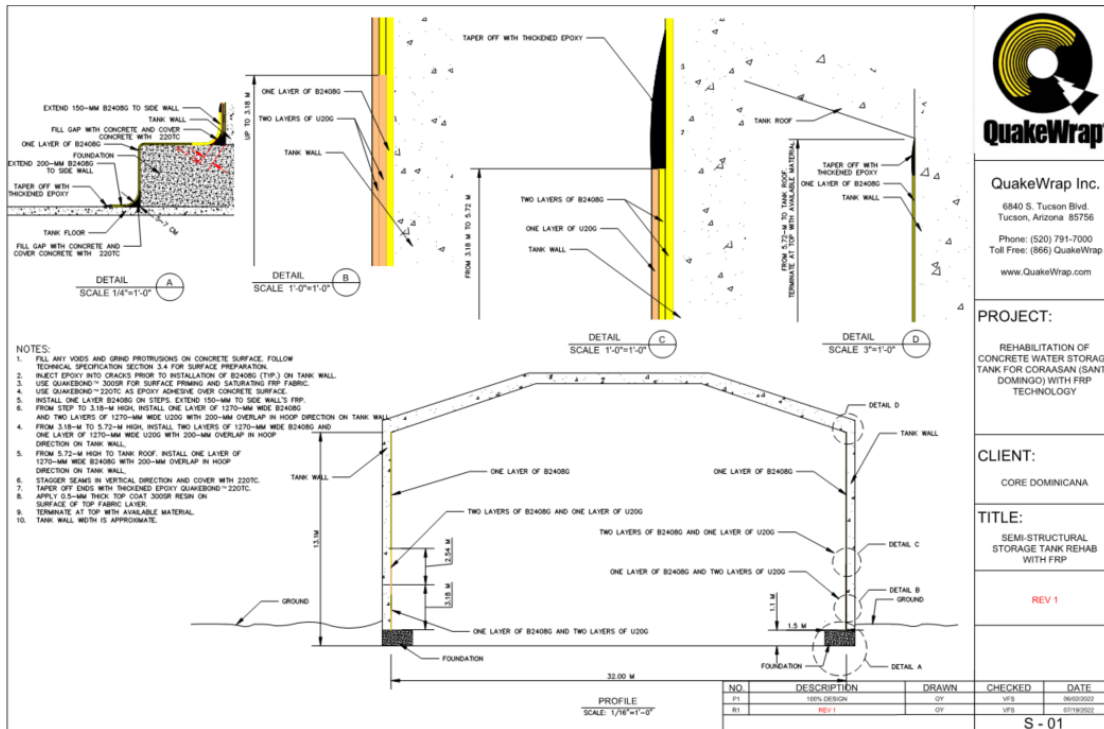
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PROJECT:

REHABILITATION OF  
CONCRETE WATER STORAGE  
TANK FOR CORAASAN (SANCTO  
DOMINGO) WITH FRP  
TECHNOLOGY

CLIENT:

CORE DOMINICANA

TITLE:

SEMI-STRUCTURAL  
STORAGE TANK REHAB  
WITH FRP

REV 1



Contact an engineer today at  
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