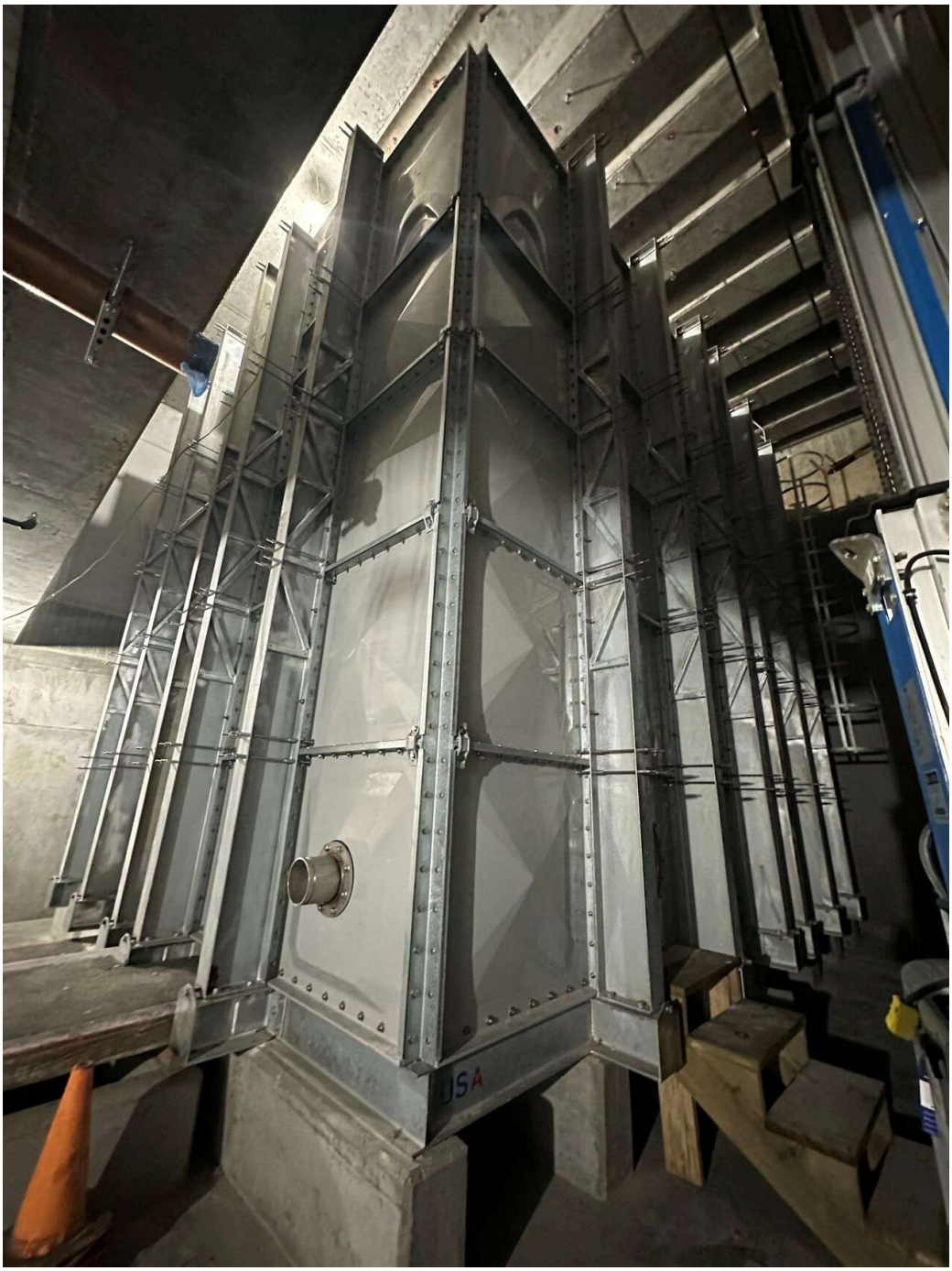
FTC tanks

Emergency Water Storage and Clean Water Access for Methodist Centennial Tower with FTC Tanks



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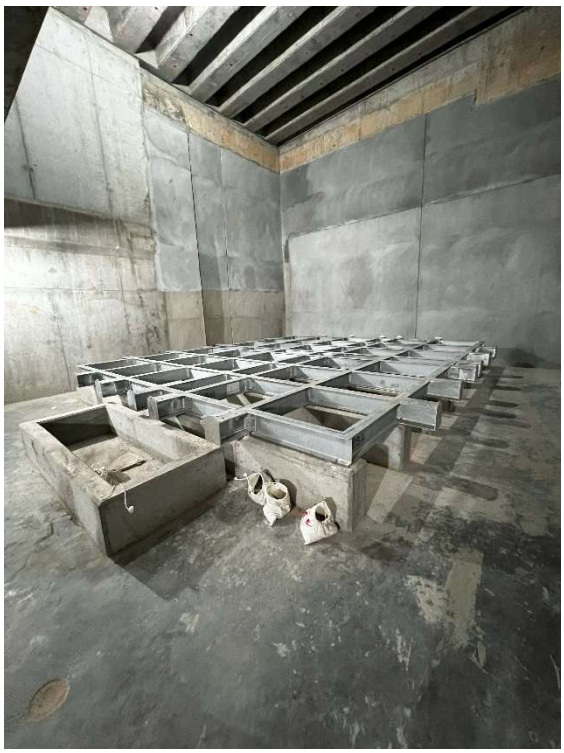
INTRODUCTION

The Methodist Centennial Tower, located within the Texas Medical Center, is one of the tallest medical towers in the United States. As part of the largest medical complex in the world, this new tower required a robust emergency water storage solution to ensure access to clean water during national disasters. With a critical need for hygiene in a medical facility, the system had to provide clean, reliable water while overcoming the challenges posed by the confined installation space. FTC Tanks offered a modular, lightweight panel-type tank designed specifically to meet these needs.

THE CHALLENGE

The water storage system for the Centennial Tower faced several unique challenges:



1. **Confined Space:** The tank needed to be installed on the second basement level, where space was highly limited, requiring a compact yet efficient design.
2. **Maximized Space Utilization:** The design had to fully utilize the available space without compromising on storage capacity.
3. **Emergency-Only Usage:** The tank would be used exclusively during national disasters, but it needed to store a significant amount of water, ready to be deployed during emergencies.
4. **Access to Clean Water:** As a medical facility, the tower required a dependable source of clean water for essential operations, ensuring hygiene and safety even during emergencies.

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5. **Reliable Emergency Water Supply:** The tank needed to provide 50,000 gallons of clean water for uninterrupted operation in case of a crisis, such as a hurricane or flood.

THE SOLUTION

FTC Tanks delivered a custom-designed solution that addressed the project's specific requirements:

1. **Modular Design for Confined Spaces:**
   FTC's lightweight, modular panels were ideal for installation in the second basement level. With dimensions of (3.5 + 3) x 5.5 x 5.5 meters [(11.48 + 9.84) x 18.04 x 18.04 feet], the tank maximized the limited space, providing ample storage capacity while fitting within the building's constraints.

2. **Emergency Water Storage Capacity:**
   The tank was designed to store 50,000 gallons of clean water, ensuring that the Methodist Centennial Tower would have an adequate supply of clean water during emergencies. This capability is critical for maintaining hygiene standards and supporting healthcare operations during national disasters.

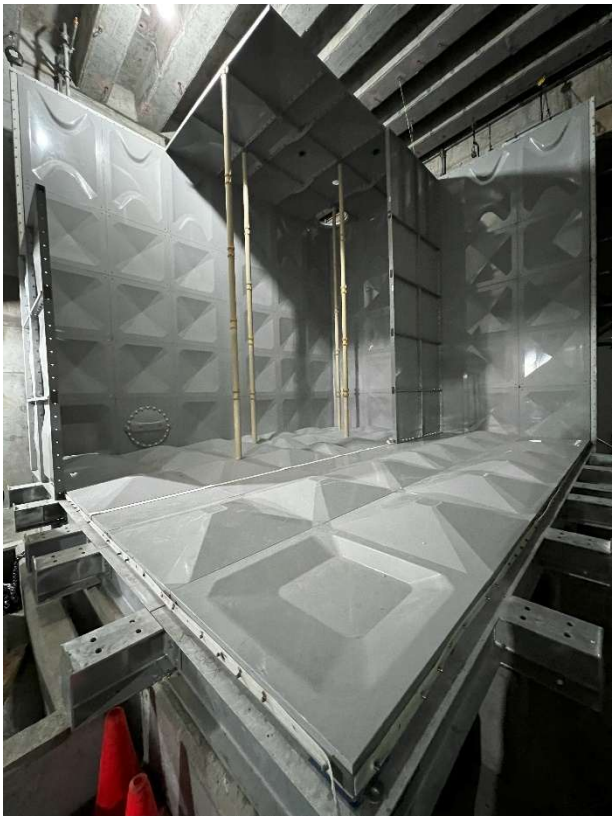
3. **Access to Clean Water:**
   The modular tank system was designed not only for large capacity but also to ensure that the water remained clean and accessible. The tank's full drainage system allows for easy cleaning, so the stored water is always safe for use, even in a medical setting where hygiene is paramount.

4. **Dual Compartment System:**
   The tank's two-compartment design allows one compartment to be cleaned or maintained while the other remains operational, ensuring that there is always access to clean water when needed.

5. **Full Drainage for Easy Maintenance:**
   Even though the tank is reserved for emergencies, it features a full drainage system that makes periodic cleaning simple and efficient. This ensures that the stored water remains clean and ready for use in case of disaster.

BROADER APPLICATION

FTC Tanks' modular, lightweight panel-type tanks are not only ideal for confined spaces like the Methodist Centennial Tower but can also be applied to a wide range of critical facilities across urban environments. Hospitals, government buildings, schools, and large commercial structures can benefit from similar emergency water storage solutions to ensure that they remain operational during natural disasters or infrastructure failures. With versatile design, compliance with strict safety standards, and the ability to provide clean, accessible water in emergencies, FTC Tanks is a reliable partner for essential water storage needs in any city.Results



FTC Tanks successfully provided the **Methodist Centennial Tower** with a robust emergency water storage solution that guarantees access to clean water during critical times. With its **50,000-gallon capacity**, the tank provides the hospital with an essential resource during national disasters. The dual-compartment design and full drainage system ensure that the water is always clean and accessible, even during maintenance.

This custom-designed tank solution overcame the challenges posed by the confined installation space while ensuring the facility has reliable access to clean water, providing crucial support during emergencies.

CONCLUSION

By designing and installing a modular, space-efficient, and easy-to-maintain water storage system, **FTC FRP Tanks** helped the **Methodist Centennial Tower** secure a reliable source of clean water for emergency use. The solution ensures that the facility will have access to **50,000 gallons** of water, ensuring uninterrupted operations during national disasters. The same technology can be adapted for other critical infrastructure projects in major cities, ensuring that hospitals, government facilities, and large commercial buildings are equipped with reliable water storage solutions during times of crisis.