Introduction to Corgal® Tanks



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YES, WE CAN!

Bring us your fire protection water problem and we will solve it





AUTHORIZED DEALER

Outstanding Customer Service

Our experienced team will help plan, design, and install high-quality, engineered tanks



What We Do Well

- Engineering
- Customization
- Service and Support



Why CorGal®?

Importance of Readily Available Emergency Water





CorGal® Tanks Can Help Save Lives

Engineered to be Fire Protection Tanks to hold reserved water for active or passive fire protection systems





NFPA 22, 25 and 1142 Compliant

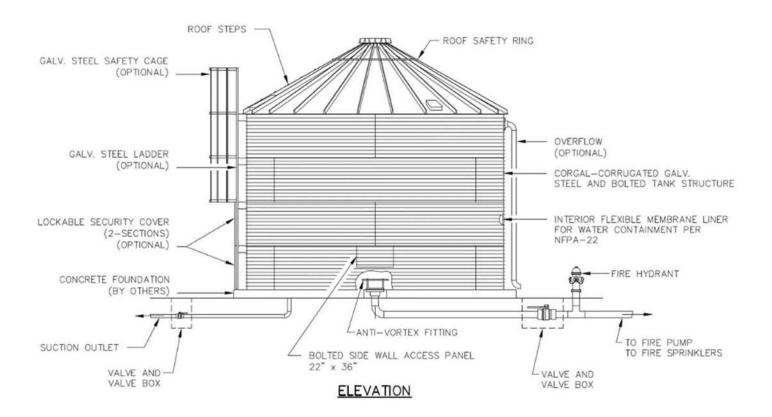
NFPA 22: Water Tanks for Private Fire Protection

NFPA 25: Inspection, Testing and Maintenance of Water-Based

Fire Protection Systems

NFPA 1142: Water Supplies for Suburban and Rural Fire Fighting





NFPA 22 Compliant

Fire protection tanks feature the following upgrades:

- Higher gauge sidewall
- Long-lasting anti-vortex fittings (not painted metal)
- Roof vents
- Premium water level indicators
- OSHA compliant ladders with security cover





Engineered to Meet Requirements

- Fire Flow Requirements
- International Fire Code





Fire Flow Requirements

What are your fire flow requirements?

CorGal® Tanks meet those requirements





Will Not Experience Negative Pressure

- Vent, anti-vortex fitting, and thicker wall sheets
- Engineered properly for this application and site location





Fire Protection Piping





Fire Hydrant Connection





Premium Materials

CorGal® meets the following minimum standards:

- G-115 hot dipped galvanization
- 20-gauge steel sidewalls
- 24-gauge steel roof panels
- Designated bottom panels to better distribute weight
- · Full tank geotextile preliner
- 24 mil PVC flexible membrane liner
- Schedule 80 PVC flanges or hot-dipped galvanized steel flanges





Exceptional Design

Meets the International Building Codes (IBC) 2013 standards:

- · 115 mph Wind Load
- Seismic Design Category 2B
- Site-Specific Live Loading

Equipped with a preliner and a flexible membrane liner

An engineered concrete floor or foundation is required





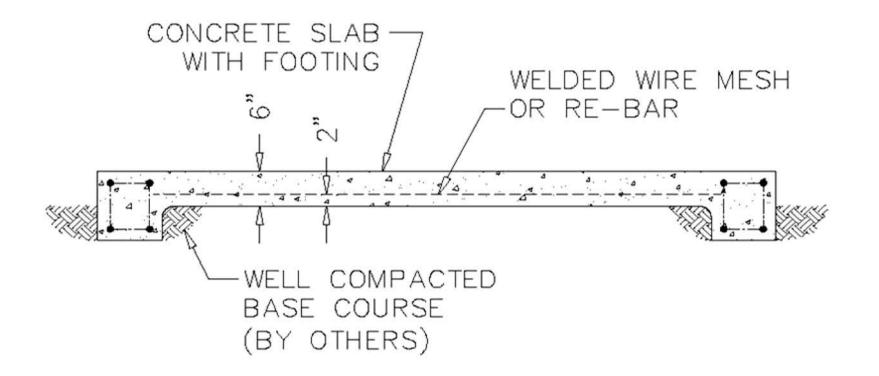
Superior Custom Engineering



Having a thorough, site specific structural design calculation package (SDCP), stamped by a professional engineer licensed in your state, is very important

Ensures tank is built to the location's requirements and complies with local ordinances and laws





Concrete Foundation

Stabilizes tank position and limits movement during extreme weather or natural disasters

State licensed structural engineer for the project must:

- Design the foundation
- Specify the type, size and embedment depth of the anchor





Quick & Safe Assembly Process

- · Tank arrives unassembled and built on location
- Can be erected on difficult-to-access project sites
- Can be disassembled and relocated, if necessary





Fire Training Academy

Location: Tampa, FL

Model #: CorGal® 2703-WT-CHR

Nominal Capacity: 45,000 Gallons

Acts as a Passive Fire Protection System and used for fire training purposes





Commercial Facility

Location: Dixon, CA

Model #: CorGal® 2406-WT-CHR

Nominal Capacity: 72,000 Gallons

Connected to an active fire protection system





Winery

Location: Healdsburg, CA

Model #: CorGal® 3606-WT-CHR

Nominal Capacity: 162,000 Gallons

Connected to an active fire protection system

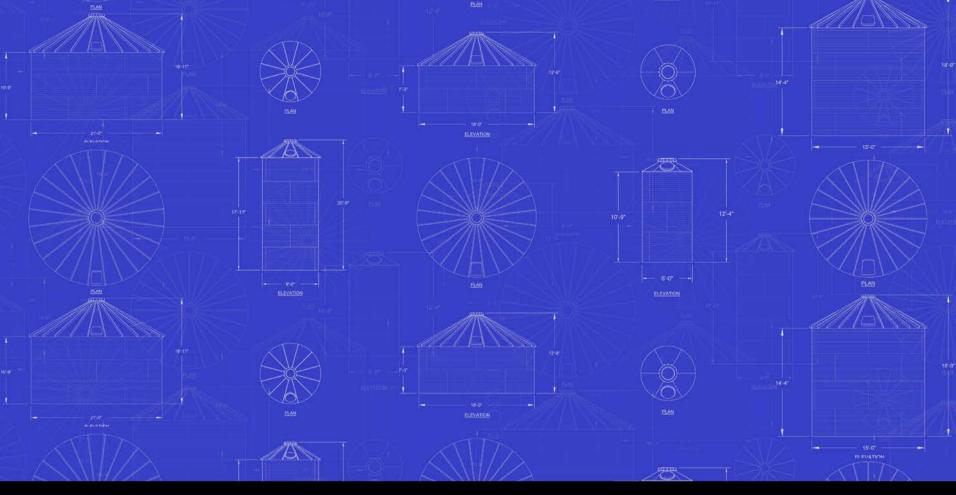




Reduction in Infrastructure Costs

- Do not need to bury municipal lines
- Could reduce tap fees
- Faster project completion





Drawings & Specifications

Standard Tank Models are available at:

www.CorGalTanks.com





Most Popular Roof Types

- 30° Flat Seam Roof
- 10° High Rib Roof

- 30° High Rib Roof (also available in oversized)
 - Open Top as a Reservoir





Roof Raftering

Engineering is the ultimate factor in deciding structural raftering

As a general rule, a low profile roof tank larger than 36' in diameter will require rafters and beyond 39' may also require a center pole





Easily Attachable Safety Features

CorGal[®] Tanks are designed to accommodate mandatory fire safety feature additions





Roof Safety Ring & Roof Ladder

OSHA Compliant





Wind Ring/ Tension Hoop





Side Ladder with Security Cover

OSHA Compliant





Water Level Indicator

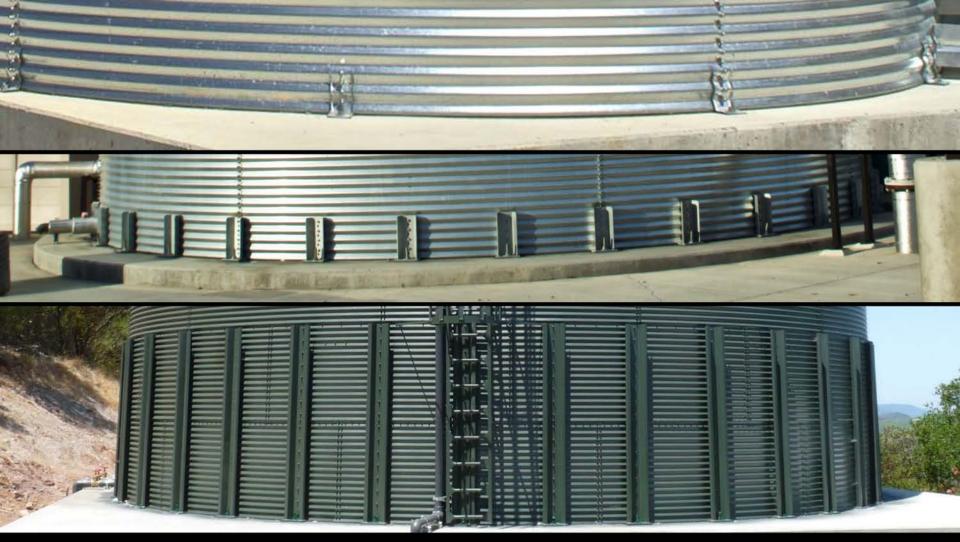




Anchoring Systems

Standard Anchor • Seismic Anchor





Different Anchor Options

- Standard Anchors
- Seismic Anchors
- Seismic Stiffener Anchors





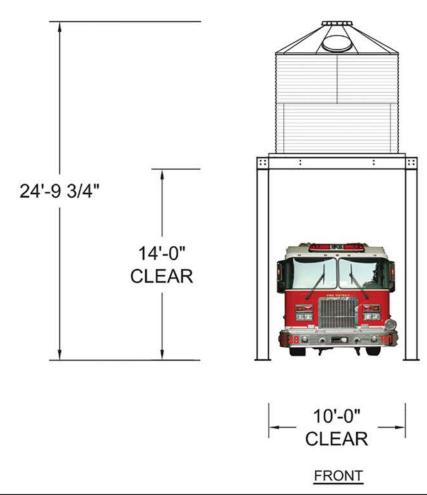
Exterior Ideas

- Masonry
- Painted

- Patina
- Wood



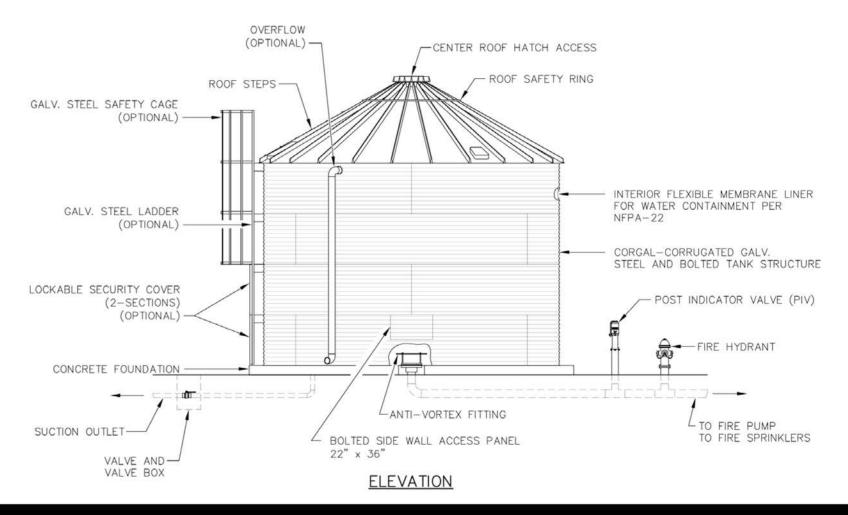




Multiple Steel Tower Options

- · Round, square, or octagonal platform
- · Straight or slant leg
 - Straight legs allow for fire truck access

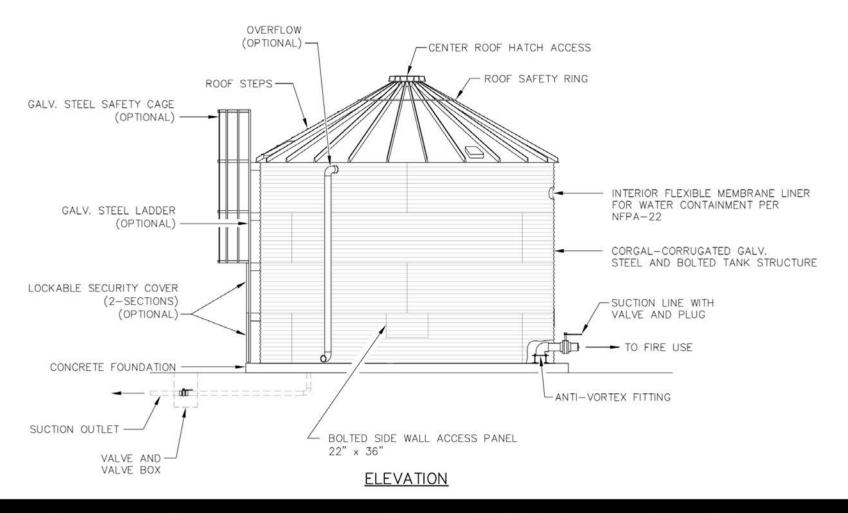




Plumbing and Fire Fitting Options

Fire Hydrant Connection with Anti-Vortex

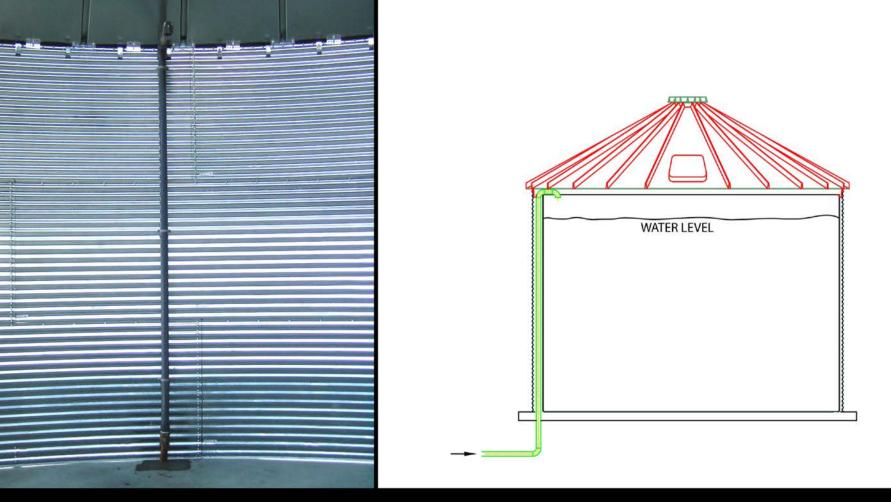




Plumbing and Fire Fitting Options

Fire Department Connection with Anti-Vortex

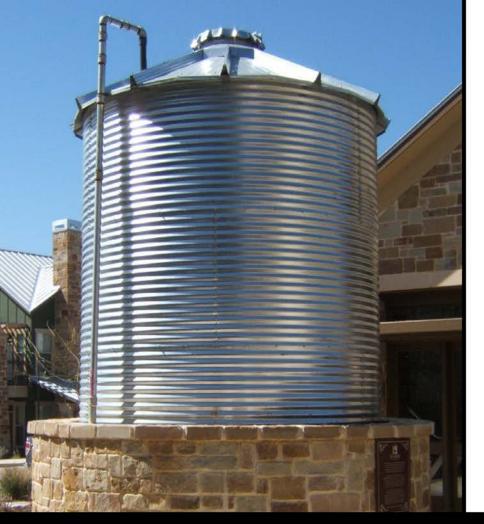


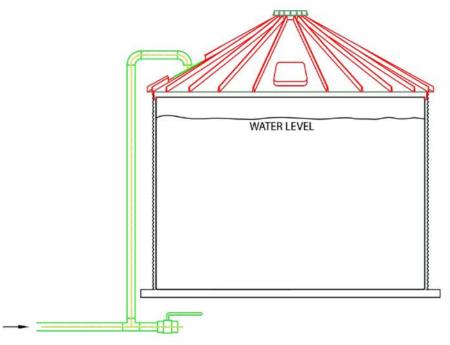


Makeup Water Pipe

Interior Sidewall between Liner and Structure





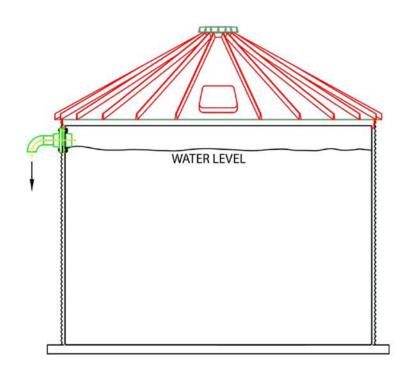


Water Supply Pipe

In-Ground to Roof



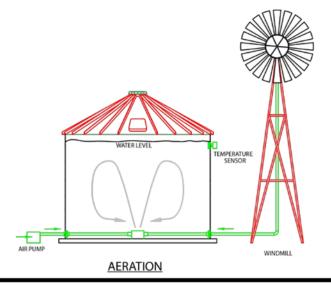


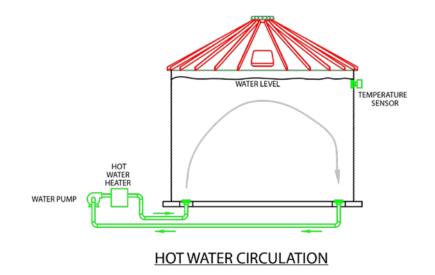


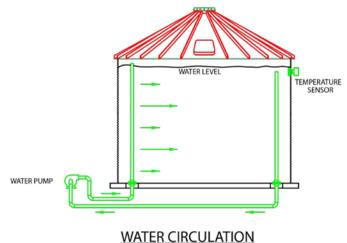
External Overflow Pipe

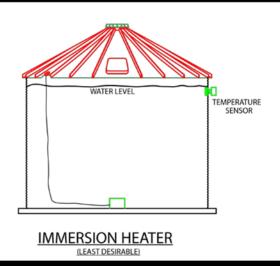
Exterior Sidewall





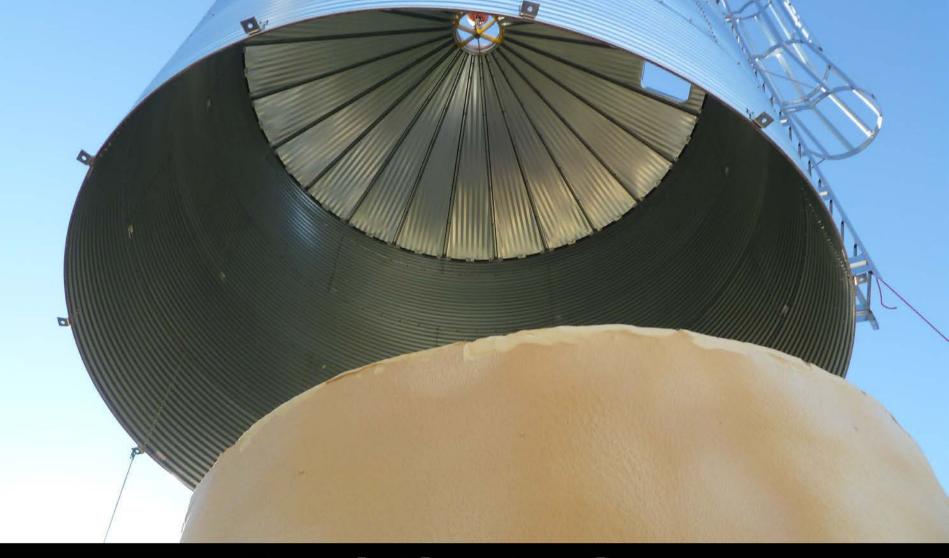






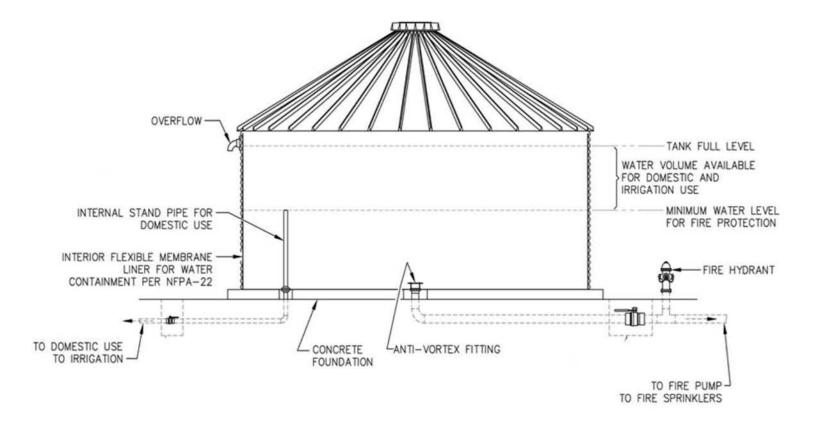
Anti-Freeze Options





Insulation Options





Dual-Use Tank

Examples of a Dual-Use Tank's Applications:

- Fire Protection Water Storage and Domestic Water Storage
- Fire Protection Water Storage and Process Water Storage
- Fire Protection Water Storage and Irrigation Water Storage
- Stormwater Detention/Retention and Irrigation Water Storage





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Thank you for your time



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