Modern Welding Company, Inc.

Manufacturing Subsidiaries Nationwide

LONG FORM: Section 13205
PRODUCT: UltraLube™, U.L. 142, Aboveground Storage Tank for Flammable Liquids.
Guide Specification

PART I General

1.0 Related Work Specifications:

1.1. Cast-in-Place Concrete: Section 03300
1.2. Anchor Bolts: Section 05501
1.3. Liquid Level Gauges: Section 15174
1.4. Piping: Section 15064
1.5. Painting: Section 09900

2.0 Quality Assurance

2.1 Acceptable Manufacturer:
  A. Modern Welding Company of Owensboro, Inc.

2.2 Governing Standards:
  A. U.L. 142, Underwriters Laboratories, Inc., "Steel Aboveground Tanks for Flammable and Combustible Liquids".
  B. NFPA 30, National Fire Protection Association, "Flammable and Combustible Liquids Code".
  C. NFPA 30A, National Fire Protection Association, "Code for Motor Fuel Dispensing Facilities and Repair Garages".
  D. NFPA 31, National Fire Protection Association, "Standard for the Installation of Oil-Burning Equipment".
  E. Uniform Fire Code, International Fire Code Institute
  F. B.O.C.A., National Fire Prevention Code
  G. PEI/RP 200, Petroleum Equipment Institute, "Recommended Practices for Installation of Aboveground Storage Systems for Motor-Vehicle Fueling"

3.0 Submittals

3.1 Shop Drawings:
  A. Contractor shall submit _____ copies of shop drawings for each tank. Location of fittings and accessories with specific dimensions shall be shown on all drawings.

3.2 Drawing Approval:
   A. Contractor shall receive drawing approval prior to product fabrication.
3.3 Catalog Data:
   A. Contractor shall submit _____ current copies of manufacturer's literature.
3.4 Certification:
   A. Each tank shall bear the U.L. listing mark for, "Secondary Containment Aboveground Tank for Flammable Liquids".
3.5 Installation Instructions:
   A. Contractor shall submit _____ copies of manufacturer's current installation instructions.

PART II Products

4.0 UltraLube™, Aboveground Tanks for Flammable and Combustible Liquids

4.1 Materials:
   A. Only new material shall be used in the manufacturing process, and the manufacturer shall ensure that the material used meets all appropriate specifications and quality assurance requirements.
   B. Minimal material thickness of the tank(s) shall be per UL-142 requirements.
   C. Tanks shall be constructed of ASTM A-1011 / A-1011M or A-36 carbon steel, ASTM A-240, or 304, 316 Stainless Steel.
4.2 Dimensions:
   A. Dimensional Requirements:
          1. Nominal capacity of the tank(s) shall be _____ gallons.
          2. Nominal width of the tank(s) shall be _____ inches.
          3. Nominal height of the tank(s) shall be _____ inches.
          4. Overall length of tank(s) shall be _____ inches.
4.3 Loading Conditions:
   A. Tanks shall meet the following design criteria.
   B. Internal Load:
          1. Tanks shall withstand, but not exceed, an air pressure test of 3 psi.
   C. Tank(s) shall be provided with suitably designed and located lifting lugs which have a 2:1 safety factor.
4.4 Product Storage Requirements:
   A. Tank(s) shall be designed for operation at atmospheric pressure only. Both primary and secondary tanks shall have openings of sufficient size to meet normal and emergency venting requirements as stated in U.L. 142, UFC, and NFPA.
   B. Tank(s) shall be capable of storing gasoline, gasohol, jet fuel, avgas, diesel fuel, methanol, or fuel oil at ambient temperatures.

FORM: UltraLube™

02/2018 Modern Welding Company, Inc.

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