

2012 NISTM Ohio Storage Tank Conference

Shop Fabricated Insulated Heated Storage Tanks

Hamilton Tanks, LLC

2200 Refugee Road

Columbus, OH 43207

614-445-8446



Hamilton Tanks, LLC

Columbus, OH

- Founded in 1916 in Hamilton, OH as a smoke stack manufacturer and boiler repair shop
- Hamilton Tanks began producing UL approved 275 gallon home heating oil tanks in the 1940's
- Columbus, OH site opened in 1955
- Hamilton, OH facility was closed in 1983
- The primary business of Hamilton Tanks, LLC is manufacturing carbon and stainless steel storage tanks for commercial and industrial users serving the petroleum, chemical, asphalt, oil-field and other industries
- Hamilton Tanks' manufacturing capabilities include UL-142, API-650, ASME, and custom tank designs ranging in size from 150 to 50,000 gallons
- Hamilton Tanks is a members of the Steel Tank Institute and is a STI licensed manufacturer of Flameshield, F921, Fireguard, Permatank, ACT-100 and STIP3 technologies



Tank Heating Systems

Thermal Fluid

- Generally Lower Operating Costs
- Expandable to add Future Users of Heat to the System
- Works only as well as the plumbing system

Electric

- Generally Higher Operating Cost
- Each new user requires a new Heating Element
- Very Efficient, Clean and Reliable

Direct Fired

- Efficient use of Heat when the system is new
- Susceptible to Failure due to Extreme Temperatures
- Can use a Scavenger Heating System to heat Other Users

Direct Fired Heating Systems

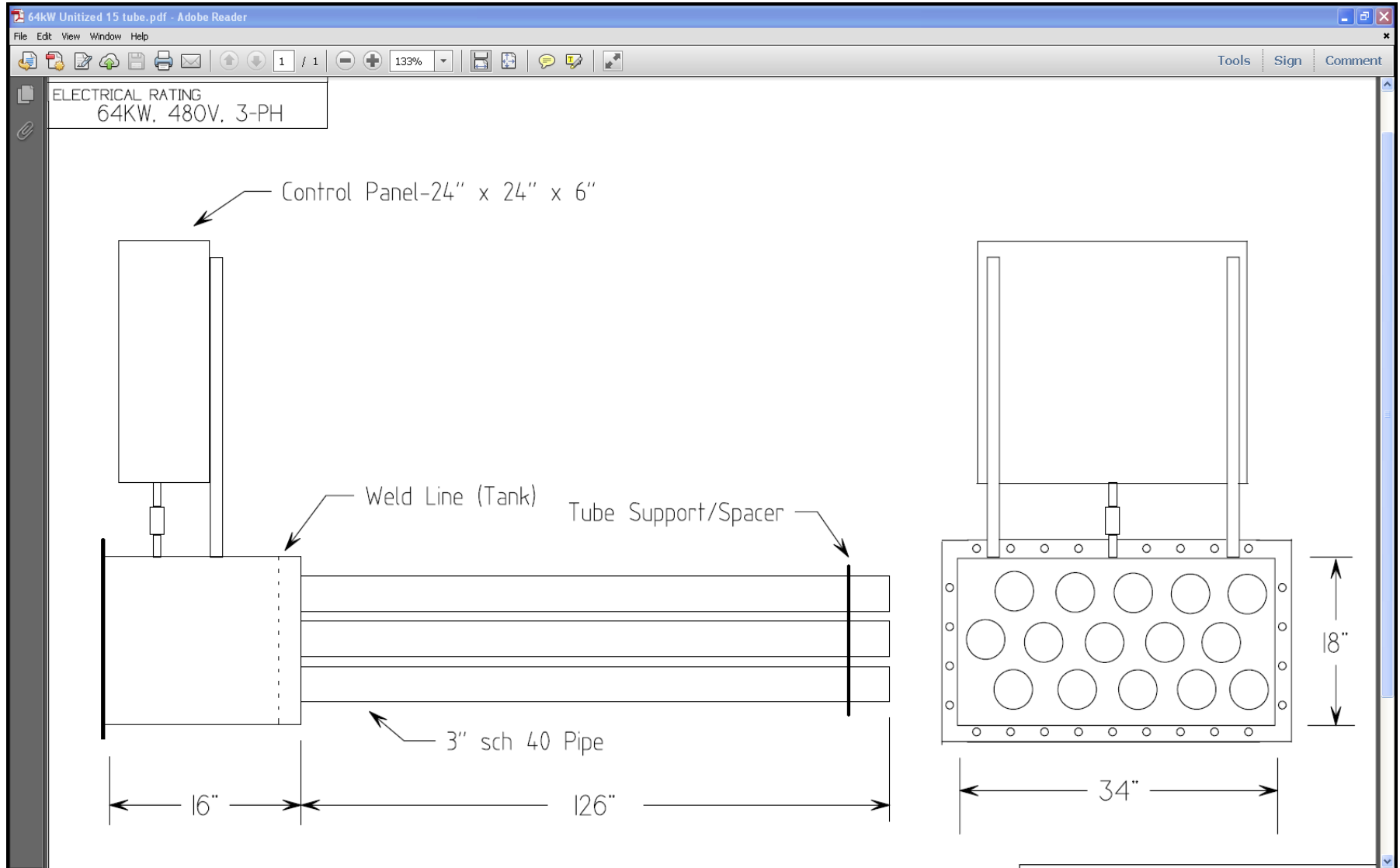




Electric Heating Systems



Electric Heating Elements



Electrically Heated Vertical Asphalt Storage Tanks at an HMA Facility



Electrically Heated Portable Asphalt Storage Tank with Scavenger Thermal Fluid System



Thermal Fluid Heating Systems



Thermal Fluid Heaters ranging from 500,000 BTU's/hr. to well over 15 MM BTU's /hr.



Thermal Fluid Heated Vertical Asphalt Storage Tanks at an HMA Facility



Tank Insulation

- Foamglas Bottom and Sidewall does not wick water and has extremely high compression rating
- Mineral Wool or Fiberglas is Typical at 2" – 6" thickness
- Embossed Aluminum Skin or Baked-On Enamel (.024, .032, or .040 Thickness) for weather protection

