



Preferred Utilities Manufacturing Corp.

ENGINEERING BASED MANUFACTURERS OF COMBUSTION CONTROLS AND FUEL HANDLING EQUIPMENT

FOR FURTHER INFORMATION:
Call Preferred Utilities

Press Release

FOR IMMEDIATE RELEASE

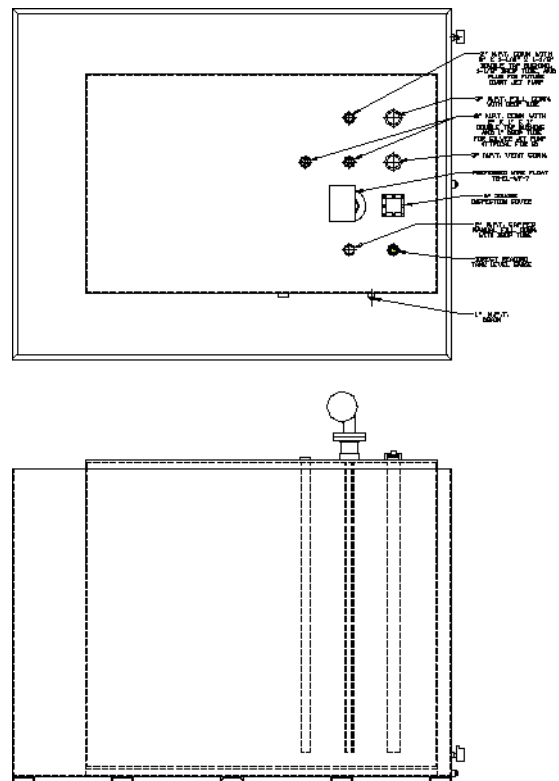
Fuel Handling at Manhattan Ford

Although Preferred has many standardized solutions for fuel oil handling, the company has the engineering expertise and experience to provide custom designed jobs for nearly any application. It was this very expertise that allowed Preferred to provide a major automotive service station in Manhattan.

Everybody knows that space in the city is at a premium. When space on the ground runs out, the space above the ground is used, and we end up with sky scrapers. This is well illustrated in Manhattan where even the occasional automotive service station must span many floors of a building.

Well-known Manhattan Ford spans about 10 floors with 105 service bays connected to a central corkscrew ramp. The challenge they brought to Preferred was feeding each bay with automotive lube oil and then providing a clean and safe way to carry the waste oil away. The building had very limited space constraints, making tank placement and design a significant challenge. After considering several areas for tank placement, Preferred discovered that the best place was in the bottom floor in an unused area with limited overhead clearance.

While this proved to be the best building placement it added design challenges to the project. The service center needed storage for 2,000 gallons of fresh motor lube and 2,200



The storage tank was designed to be offset from the rupture basing, accommodating the sloping ceiling. All NPT connections and the wire lift float were placed on one end where the limited overhead clearance would just allow a close lift.

gallons of waste motor oil. New York City regulations require all indoor storage tanks to provide 200% rupture basin capacity and to be UL listed. These tanks also needed to pass tests for 25 psi.

To accommodate the low, sloping ceiling Preferred custom engineered asymmetrical tanks and rupture basins. A wire lift float was also used to provide easy level probe installation with only a few inches of overhead clearance. Preferred supplied a full D3 tank gauging and leak detection package with Model 2 in-wall spill containers for the tank truck hookup. The system uses a TG-EL-WF wire lift float and RBS leak detection probes for integrated leak detection and overfill alarms. Preferred also designed around an existing fuel pump for sending the waste oil to the tank truck, providing a fill station startup switch.

The final solution provided the unique solution the service station needed without compromising any of their limited space. Preferred's in-house engineering staff provided the custom attention necessary when a standard package design was not adequate.