



Ross Systems & Controls

Custom Pump Skids

Triplex / Alternating

APPLICATION

Potable Water System

INDUSTRY

Hospital / Commercial Building

KEY NOTES

Retrofit for Increased Capacity
Custom Controls
Custom Design
Full Factory Test
Three Hour Installation & Startup
Triplex / Alternating System
Disassembled to fit through as
standard doorway



SysCon Services

Project / System Conception

Design and Engineering

PLC & HMI Programming

Recipe Based Controls

Data Acquisition Systems

Panel Construction

Automated Machine & Process
Construction

On Site Installation, Start-up &
Technical Assistance

Pump / Chemical Feed Skids

Dilution Skids

Potable Water Pump Skids

Powder / Liquid Mixing Systems

Heat Trace Systems

Fiber Optic / Ethernet
Communications Networks

And more.....

Superior SysCon
Systems

Ross Systems & Controls was approached with a problem... we see them as opportunities. A large hospital was getting larger. First, demand was growing, but their existing potable water system was at maximum capacity. Second, the new improved skid had to fit in the same foot-print as the existing skid. It also had to be disassembled to fit through a standard 32" wide door. Finally, the existing skid had to be demolished and the new skid had to be reassembled, plumbed, & wired all between 11 pm and 3 am. No room for mistakes. Emergency Rooms and Intensive Care Units cannot survive without water pressure.

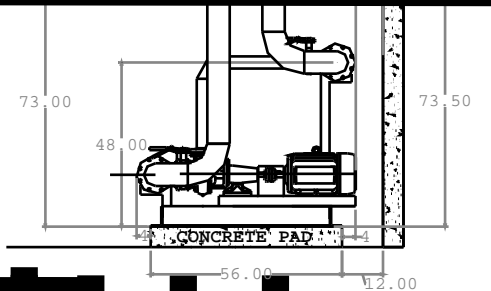
Over and above the installation issues, the system had to be energy efficient, handle the growing capacity at 50% and automatically, with the ability for future expansion. Ross Systems & Controls was the only company able to meet the full demands of the project specifications. Not to mention, we had the most competitive price too.

Call us with your demanding applications.

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Custom Pump Skid—Triplex / Alternating



Location: Non-Hazardous / Utility-Boiler Room

Design: Custom, Retrofit to replace existing smaller skid

Pumps: (3) 20 HP Direct Drive Centrifugal Pumps

Flow: 390 GPM @ 143 TDH per pump

Controls:

- Variable speed on each pump
- Full Bypass for each pump
- Color Graphical Touch Screen
- Pressure Control +/- 2 psi
- Speed vs. Pressure control
- Automatic Triplex / Alternating

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