

NOTE:

Current pump setup will process 250 GPM of effluent flow.
Total achievable flow is dictated by TDH calculations for your specific application.

The 10' enclosure is a storage unit only, it is NOT heated or insulated

The 30' enclosure is heated...
Heater package supplied will keep the temp inside the enclosure above freezing at temperatures as low as -35 F

Both units will be equiped with overhead lighting and GFI electrical outlets for system maintenance.

System Effluent - 3" dia

pH Neutralization System
Effluent Pumps
One operating one standby
(manual change over)

Influent from acid bulk storage - 1" dia

Effluent from clarifier

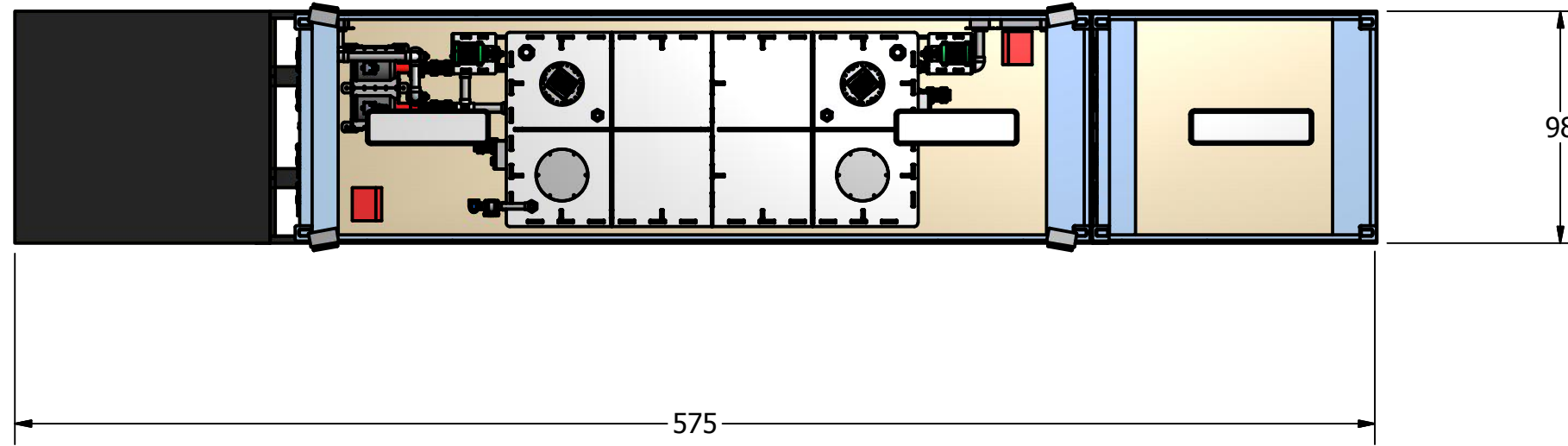
Effluent from centrifuge supernatant storage tank
only during system shutdown - 1" dia

Air line in - 1/2" dia

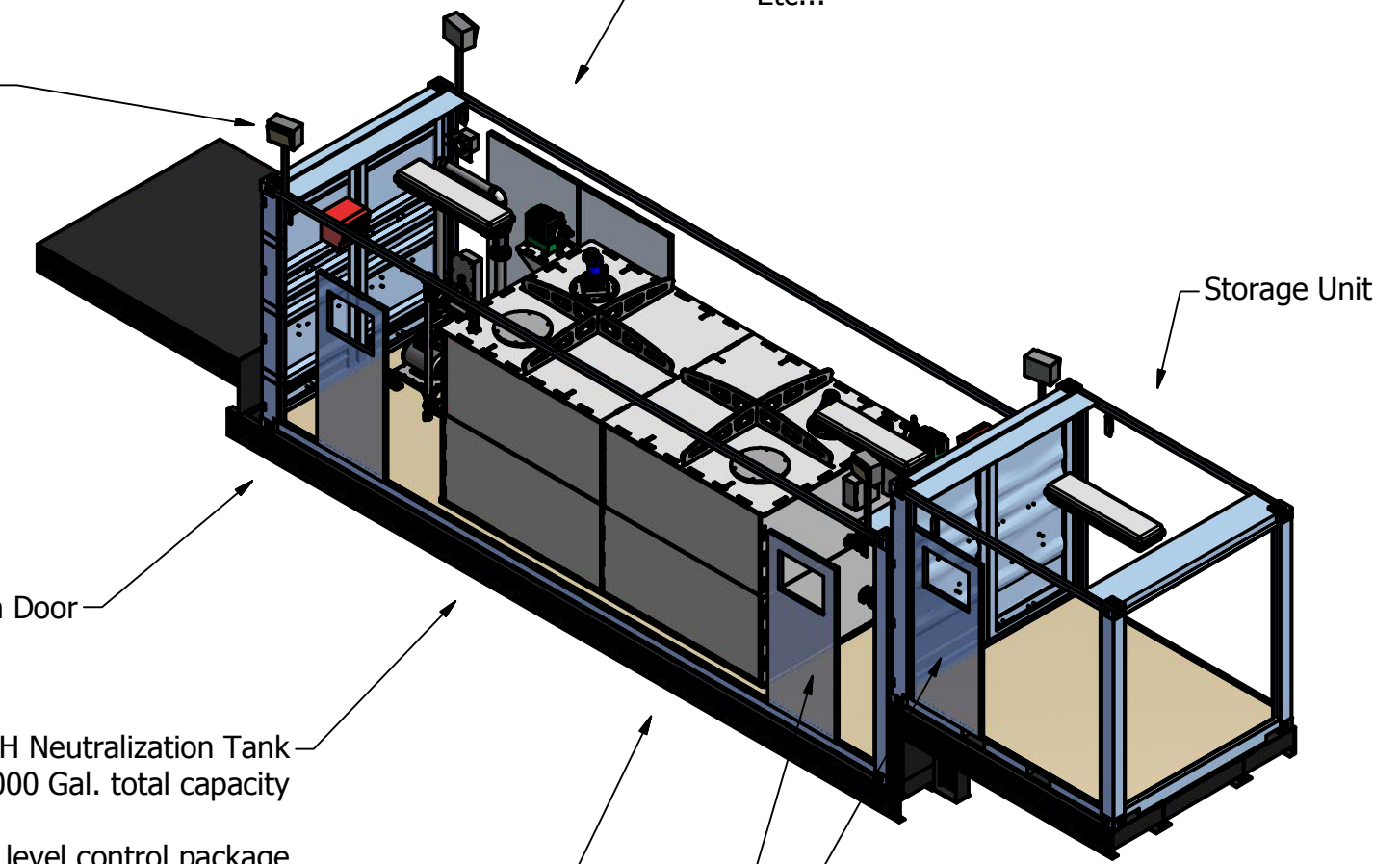
Auxillary Access Hatches
Located on this end of enclosure

Not useable when the enclosure is located on the trailer

Main Service Doors
(LOCATED ON BACK WALL)
For access to the
Effluent transfer pumps
Chemical metering pumps
Etc...



Plan View

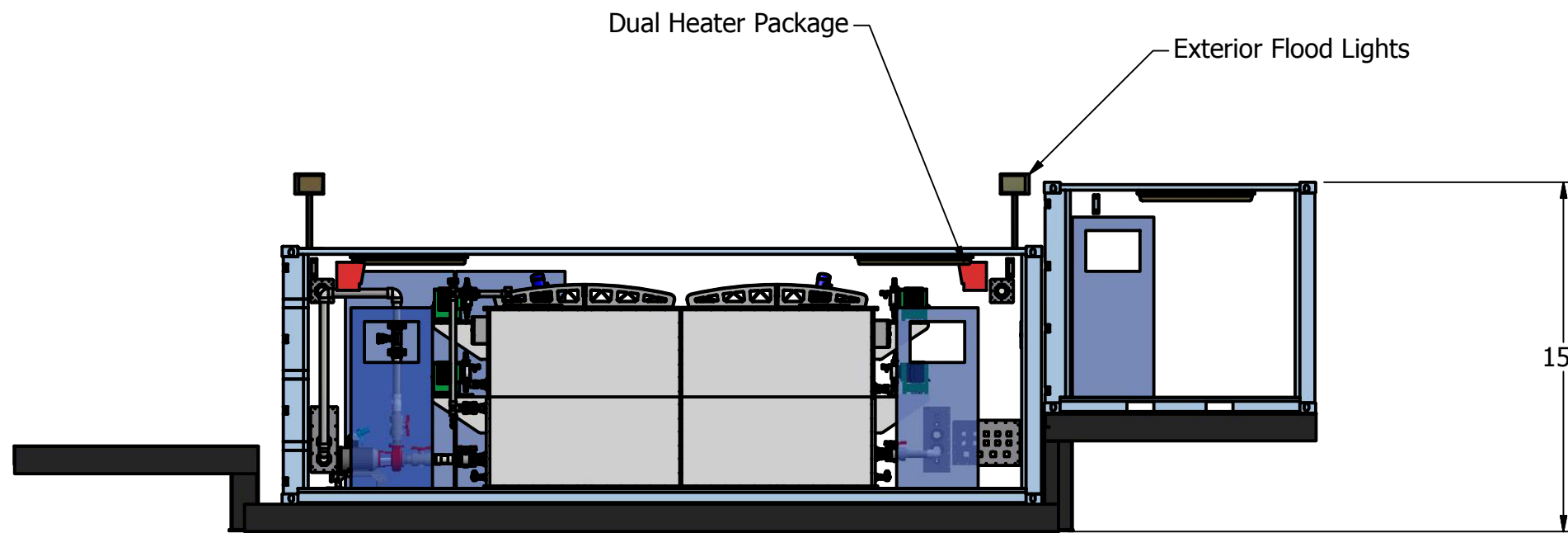


Secondary pH Neutralization Tank
2,000 Gal. total capacity

with level control package
for effluent transfer pump
control

Primary pH Neutralization Tank
2,000 Gal. total capacity

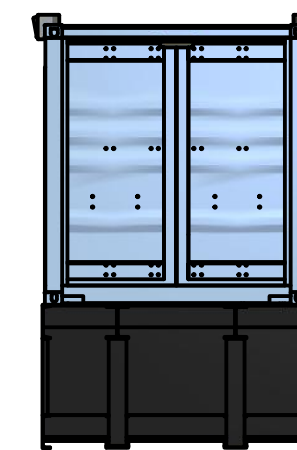
Man Door



Elevation

Secondary pH Neutralization System
With
Dual High Capacity Acid Metering Pumps
one operating one standby
Dual pH Probes (with "wet tap" for the installation and removal
of pH probe without process shut down)
Local pH Controller for probe calibration
1 HP, 350 RPM Mixer with 15.2" dia Hydrofoil Impeller

Primary pH Neutralization System
With
Dual High Capacity Acid Metering Pumps
one operating one standby
Dual pH Probes (with "wet tap" for the installation and removal
of pH probe without process shut down)
Local pH Controller for probe calibration
1 HP, 350 RPM Mixer with 15.2" dia Hydrofoil Impeller



End View

Electrical
Main power supply connections
(440, 240, 110) as required
1 Digital connection for 4-20ma control signals
1 Analog connection for powered instrumentation

DRAWN	RJ	10/27/2011	TITLE	
CHECKED			pH Neutralization Enclosure	
QA			SIZE	DWG NO
MFG			C	pH Neutralization Enclosure
APPROVED			SCALE	REV
				SHEET 1 OF 5