OUTPATIENT HEALTHCARE CLINIC

A FULL BOILER PLANT REPLACEMENT IN AN OCCUPIED CLINIC.

Old standard-efficiency boilers out, one high-efficiency condensing boiler in, with structural, hydronic and controls work coordinated inside a building that stayed in use.

THE PROBLEM

An occupied healthcare clinic was heating on aging standard-efficiency boilers. The replacement had to fit the existing mechanical room, meet code for exhaust and condensate discharge, protect new equipment from debris in an old hydronic loop, and report into the building automation system.

THE SOLUTION

We removed the old boilers, cored the foundation wall and routed new exhaust to about 9 feet above grade, and combined the existing supply and return loops onto one 2,000,000 BTU high-efficiency condensing boiler. We flushed the hydronic system, added a magnetic filter and condensate neutralizer, installed a BACnet card for BAS integration, and closed out with factory-authorized startup and commissioning.

2,000,000
BTU HIGH-EFFICIENCY CONDENSING BOILER

1 unit
REPLACED THE OLD PLANT, SMALLER FOOTPRINT

BACnet
INTEGRATED WITH THE BUILDING AUTOMATION SYSTEM

Factory
AUTHORIZED STARTUP AND COMMISSIONING

EQUIPMENT INSTALLED	DETAIL
New boiler	One 2,000,000 BTU high-efficiency condensing boiler
Design features	Redundant heat engines; reduced boiler plant footprint
Equipment protection	Inline magnetic filter; condensate acid neutralizer
Controls	BACnet communication card for BAS integration
Warranty	1-year factory labor warranty

SCOPE OF WORK

- ✓ Removed and disposed of the existing boilers
- ✓ Exhaust terminated ~9 ft above grade with bird screen
- ✓ Flushed the existing hydronic system
- ✓ Cored the foundation wall for new exhaust
- ✓ Combined supply and return loops for the new boiler
- ✓ Sealed all new exterior wall penetrations

REQUEST SERVICE OR A QUOTE

Boiler plant reaching the end of its life? Email sales@rabinemechanical.com or call 815.331.1035. Our own crews cover northern Illinois and southern Wisconsin; qualified service partners cover all other markets.