

RI HOSPITAL Boiler Chiller Expansion

PROJECT OVERVIEW

Arden upgraded Rhode Island Hospital's existing boiler and chiller plant to replace aging systems and accommodate the additional load of the new five-story Bridge Building Trauma Center. The mechanical room location required work at the epicenter of the hospital with sensitive operations adjacent on all sides.

Since the boiler plant generated the majority of the hospital's power and could never be shut down, the team worked in carefully planned phases to install the new 235-foot tall double wall steel stack with new breechings. Crane picks were scheduled over weekends to ensure minimal disruption to hospital operating rooms located directly below.



PROJECT SPECIFICATIONS

Contract Amount: \$9,000,000

Facility Type: Healthcare

Facility Size: 400,000 square feet

Location: Providence, RI

SERVICES PROVIDED

BIM
LEED
Fabrication
Installation

VALUE DELIVERED

The installation of a new boiler and chiller plant have generated considerable gains for the hospital, including the utilization of surplus low-pressure steam from the turbine generation plant; a resource which would have otherwise gone unused.

HIGHLIGHTS/ ACHIEVEMENTS

Installed two 750-ton chillers

Phased scheduling ensured no disruption to hospital power

2005 AGC Build New England Award

2006 AGC Build Rhode Island Award

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