



## Case Study

### Boiler Replacement at Apartment Building

#### Crawford Division:

Mechanical

#### Challenge:

Replace inefficient boiler system

#### Solution:

Install 95.1% efficient wall hung boiler system

#### Project Summary:

Crawford Company removed an existing cast iron sectional hot water boiler, primary piping, and hydronic accessories. Crawford installed (2) Weil McLain ECO-155 95.1% AFUE efficient wall hung boilers. The boilers were installed with new Grundfos multi-speed zone circulators, and primary circulators. This application called for CSD-1 compliant controls, ASME expansion tank, emergency boiler shutoff, and back flow prevention. This system serves the heating needs of nine units in the apartment building.

The existing traditional 40 gallon water heater was also removed and a new Aqua Plus 55 indirect fired water heater was installed on the boiler system. This water heater is set up to take priority heating calls over the space heating to allow for the buildings domestic hot water needs to be met. The water heater is heated off the 95.1% efficient boilers and can produce hot water very quickly.

