

# Guardian Dual Check Hydrant Application for High School

## Job

A high school in the Northeast decided to renovate and expand its facilities by building a new science wing, a new athletic building and a new cafeteria. The plumbing contract for the renovation and addition included work on more than 330,000 square feet of school space.



## Problem

The local Jay R. Smith Mfg. Co. representative principal called on the specifier, a respected mechanical and electrical consulting engineer, and made the case for Jay R. Smith Mfg. Co. products on the entire project.



The Guardian Dual Check Hydrant was selected due to its innovative design and to prevent cross contamination of the school's water supply. The Guardian Dual Check Hydrant consists of two integral yet independently operating check valves assembled in tandem. The dual check valve is effective in preventing both back siphoning and back-pressure.

## Solution

The mechanical contractor needed a reliable solution that could be installed per building's specification and according to the construction schedule. Keeping up with the construction schedule meant either a bonus for finishing the job early or a late fee in case of a delay.

The new construction used the same decorative brick to match the existing high school exterior finish. The contractor was pleasantly surprised to learn that the Guardian Dual Check Hydrant's stainless steel fully recessed box was designed to fit one standard modular brick course. He had no trouble installing the Guardian Dual Check Hydrants according to project's specifications to match the bricks' layout. Additionally, the hydrant door's 180-degree opening allowed it to stay flush with the wall, provided unimpeded hose maneuvering ability and ease of operation during field testing.



## Results

The contractor was able to finish the job early and picked up extra hours on the installation of hydrants alone! He was not only able to perform the job ahead of time and within the required specifications, but also avoided a back charge from the masonry contractor by eliminating the need to rework the brick veneer after the hydrants' installation. All this, while protecting the school's water supply with a specification product carrying both ASSE 1019-B and ASSE 1052 certifications.