Established in 1947, New York’s School of Visual Arts (SVA) has been a leader in the education of artists, photographers, film producers, designers and creative professionals for more than six decades. Comprised of more than 6,000 graduate and undergraduate students at its Manhattan campus and 35,000 alumni in 100 countries, SVA also represents one of the most influential artistic communities in the world.

When two 250-gallon domestic hot water gas direct-fired tanks began to leak in a 25-story student dormitory, the SVA turned to Paramount Plumbing, located in The Bronx, New York.

Paramount suggested using a parallel cascade of seven Bosch Therm 1210ESC’s, rated with a thermal efficiency up to 98% to solve their problem. The Bosch units were purchased through Solco Plumbing Supply of New York.
Installation Summary
Paramount specializes in new construction projects throughout New York City. The company is currently doing installation work at a Park Avenue residential building which, when completed in 2015, will be one of the tallest buildings in the world at nearly 1400 feet tall.

Paramount’s Mike Salera described the challenges in this replacement.

“There were two 250-gallon direct-fired hot water tanks serving the 25-story building with hundreds of student residents. We had to replace the leaking old gas-fired units with seven Bosch Therm 1210ESC condensing tankless water heaters – with no interruption of hot water service.”

According to Jordan Stern from Marplat, a Bosch Manufacturer’s Representative in New York, “The customer had two large direct-fired water heaters that were leaking due to expansion in the hot water system, and could not readily obtain replacement units. We were able to get the 1210 ESC units mounted on the wall while the leaking units adequately maintained hot water for the building. Once all the 1210 ESC units were piped and vented, Paramount Plumbing was able to remove the old water heaters and run the hot water system with the Bosch tankless units and the three existing 350-gallon indirect hot water storage tanks.” The Bosch units are connected to an Aquastat to maintain hot water setpoint temperature automatically, with no special control wiring.

Benefits and Conclusion
Thanks to the slim profile of Bosch Therm tankless condensing units, Paramount was able to transport each unit in the building’s elevator to the rooftop mechanical room - without the use of a costly crane, as would be required with a large direct-fired water heater.

“Service was maintained throughout installation and the Bosch units now provide 100% of the building’s hot water needs,” added Mike. “We’ve heard excellent feedback from the building owner and have had zero callbacks after two years in operation,” commented Jordan.