



# Mechanical and Plumbing

Arora's mechanical engineers design appropriate, responsive, reliable, and energy efficient heating, ventilation and air conditioning systems for projects of every size serve the needs of people and their processes.

Our plumbing engineers design the essential networks of systems to preserve health, function, and convenience. Most importantly, we integrate sustainable design principles conservation, efficiency, and longevity.

## Key Services

- + Sustainable/Green Building design
- + Heating, ventilation, and air distribution systems design
- + Central plant design including, hot water and steam boilers, water and air-cooled chillers, and cooling towers
- + Laboratory and other specialty exhaust & system design
- + Underfloor Air Systems design
- + Chilled Beams
- + Constant and variable air volume systems
- + Hydronic cooling and heating distribution systems
- + Radiant heating systems including gas and electric systems
- + Hydronic heated floor slab design
- + Geothermal system design
- + Energy recovery system design
- + Building automation and digital controls
- + Domestic water system including grey water & non-potable systems
- + Storm and sanitary system design including rain water harvesting
- + Fuel system design including natural gas, LPG, diesel, and gasoline
- + Studies; Lifecycle Costing, Energy Analyses

## Representative Clients

- + Large, medium, small hub airports
- + Higher Ed and K-12
- + Transportation facilities
- + High Rise and Commercial Buildings

