



bldgcontrols.com

EMBASSY SUITES NATATORIUM

LOCATION:

Olathe, KS

SERVICES:

HVAC Equipment

9

FLOORS

18,266

SQ FT FACILITY

CHALLENGE:

Indoor swimming pools pose a unique engineering challenge in delivering precise relative humidity and temperature control to maintain a healthy and safe environment. Insufficient dehumidification leads to corrosion, structural damage, mold and mildew. Too much dehumidification causes excessive pool water evaporation and increased operating costs. Pool chemicals present in the air test unit sustainability.

SOLUTION:

Precise temperature and humidity control are essential in creating a comfortable indoor pool environment and operating cost control. AAON prides itself on the ability to provide units that not only perform well, but thrive in harsh or unique environments. An early pioneer of modulating hot gas reheat, AAON provides precise dehumidification control. Other manufacturers use a baked enamel or spray coating that lacks uniformity, becoming brittle and breaking over time. AAON evaporator coils are electrostatically charged during a dip coating process that ensures the coil will surpass a 5000 hour salt spray test. By maintaining a negative pressurization of the space, AAONDry's integral powered exhaust ensures that the corrosive nature of a natatorium will not spread to adjacent spaces. Units ranging from 2-230 tons with energy recovery, flexible control and heat source options, AAON delivers a sustainable and efficient product suitable for all indoor pool applications.

