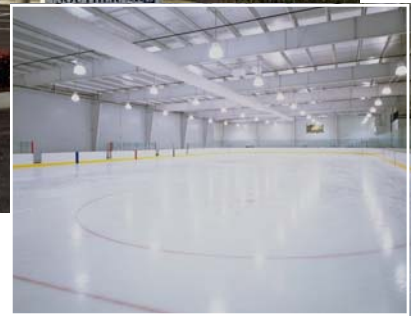


Southern Ice Arena

Franklin, Tennessee

*People, Building Excellence
for People*



Type of Facility: Commercial

Project Description:

- This facility required design and installation of the plumbing, mechanical and HVAC systems for a twin pad ice skating rink with common areas.
- The HVAC scope of work consists of a 60-ton VAV roof top unit and a VAV system for the main common areas. Exhaust from the locker and restroom areas is directed through an energy recovery unit to precondition the outside air.
- Ice rinks are conditioned using desiccant dehumidification with a direct expansion post cooling coil designed to maintain NHL ambient conditions. Air distribution to the space is accomplished using perforated sock duct to minimize air motion.
- Radiant heaters serve the bleachers to provide spot heat to spectators.
- The plumbing scope consists of two sets of gang restrooms, eight team dressing rooms and two referee dressing rooms with provisions left for future expansion.
- Two boilers and three storage tanks supply the domestic hot water system.
- Selection and coordination with a specialty ice contractor was required for providing the ice making system.
- DDC Controls operated the HVAC equipment and interlock with the ice making equipment.
- Project duration of only 8 months

General Contractor Bacar Constructors

Engineer/Contractor Lee Company

Total Contract \$1,056,000

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