DESCRIPTION: The IMSB renovation project updates infrastructure and addresses contemporary programmatic needs for fitness and recreational space. The project reconfigures existing space within the building to provide larger areas for cardio and weight training, group exercise rooms, racquetball courts, locker rooms, staff offices, and spaces for social interaction. Infrastructure upgrades include accessibility improvements, plumbing, wired and wireless networks, exterior window replacement, masonry repairs, lighting improvements, and gymnasium floor replacement.

WATER USE REDUCTION
Low-flow plumbing fixtures and automatic sensor faucets provide a 36% water use reduction when compared to the Michigan Plumbing Code.

80% BUILDING REUSE
The project maintains approximately 80% of existing walls, floors, and roof.

89% REGIONAL MATERIALS

ENERGY REUSE
Enthalpy Wheel allows return air to condition outside air which reduces heating/cooling load in the air handling unit.

SMART SYSTEMS
HVAC Controls designed to prevent simultaneous heating and cooling; controls temperature using occupancy sensors

VARIABLE DRIVES
Motors on equipment allow for equipment to conserve energy when demand is low

VAV SYSTEMS
Variable air volume HVAC systems, including Laundry and Maintenance Shop

ENERGY SAVINGS
The building’s design and systems include energy efficient features that provide an estimated 30% energy savings compared with a code compliant building per ASHRAE 90.1.