

North Patrol Police Station

Location: Kansas City, MO

Project Start Date: 2014

Completion Date: 2016

Construction Amount:
+/- \$9,500,000

Type of Work Completed:
MP Design

Project Owner's POC:
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Project Data:

Complete MP design.
New construction

This project pertains to:

Government



The Single story 25,468 sqft Police station includes Public Lobby, Community Room, Administration, Patrol Offices, Lockers and Fitness facilities. The Jail includes Booking, Holding Cells, and a Vehicle Sally Port. Project consists of

The plumbing systems used low consumption plumbing fixtures. Water closet flush rates are 80% and urinals 13% of the ASHRAE baseline. There is a 29% reduction in water usage versus the LEED baseline.

The mechanical system consists of a high efficiency VRV (variable refrigerant volume) system used with a dedicated outside air unit with energy recovery. The VRF system allows for individual heating/cooling operation for each indoor unit. The related condensing units are remotely located to reduce unit sound impacts on building occupants. Big Ass fans are used to help control the fitness room's comfort levels. Unit heaters were used to condition a garage sally port and bike ATV storage area. All systems are connected to a central building automation system.