

INTERIOR REMODELING AND RENOVATIONS EXPERIENCE

Accident Fund/Blue Cross Blue Shield Building Lansing, MI

The current Blue Cross Blue Shield Building, a 10-story high rise building, was originally designed for the Accident Fund Headquarters in 1986 with Matrix acting as Lead Mechanical and Electrical Designer. Major MEP renovations were executed by Matrix Consulting Engineers for seven floors from 2002 thru 2008 including Data Center relocation and expansion, 8th Floor Conferencing Center, dedicated outside air system, emergency power systems, HVAC equipment replacement, and lighting upgrades. Matrix also provided a complete MEP building renovation for Blue Cross Blue Shield conversion in 2010 completed in 2011.

USPFO Readiness Center, Lansing, MI

120,000 square foot project which completely retrofits the mechanical and electrical systems of an existing three-story state office building into a multi-military unit readiness center for the Michigan Air National Guard, and Homeland Security. HVAC systems consist of four VAV air handlers utilizing central chilled water from a salvaged centrifugal chiller and new high efficiency condensing boiler for heating and domestic hot water. Six design alternates were included in the project to allow conformance to a strict budget. Matrix Consulting Engineers, Inc.'s responsibilities included all HVAC, plumbing, fire protection, lighting, power, fire alarm, technology, and raceway systems for data, security, and telecom systems, and data wiring.

General Office Building, Secondary Complex, Dimondale, MI

255,000 square foot project to upgrade the mechanical and electrical infrastructure for the 3-story building. HVAC system consisted of replacing and rezoning 175,000 square feet of office space with new VAV boxes to match the new floor layout. The heating system central equipment was completely replaced, controls valves were replaced in both the heating and chilled water systems and new air handlers were installed. The HVAC system was also installed to eliminate the pressure problems that were occurring in the building. Matrix Consulting Engineers, Inc. responsibilities also included plumbing, fire protection, lighting, power, fire alarm and data.

Lansing Community College, Lansing, MI

Matrix provided mechanical and electrical engineering services to provide a campus wide upgrade; this included major renovations in many of the Lansing Community College buildings at three of their campuses. Mechanical and electrical systems were changed, upgraded, added and replaced to accommodate the changes to accommodate LCC's new building needs.