

Veterans Administration Black Hills Health Care System

The Hot Springs VA Hospital was built in 1907 and it is listed on the National Register of Historic Buildings; the structure was made with the local pink sandstone. The design features a central circular courtyard with 11 wings branching off of it, similar to a bicycle wheel and spokes.

The Hot Springs VA Hospital Domiciliary Camera Project is a multiple phase design - build project. We provided labor, materials, equipment and training to design and install a fiber-optic backbone that connects each of the 11 wings with the main control room and surveillance system. The camera surveillance system is an expandable, state of the art POE (Power over Ethernet) currently with 100 networking cameras. The camera system was installed to monitor the exits and to function as part of a patient monitoring system.

The system installed is a Milestone camera system that displays on two 42" monitors. The monitors can be programmed to see up to 64 camera views apiece. Each of the scenes that are shown on the screen are programmed to suit the needs of the customer. Milestone is an open platform IP video management software solution, that uses an "open source code". This allows third party software developers to create add on modules.

This project was completed during business hours, all Technicians had to remain vigilant in order to ensure that the dust and noise level from drilling was minimized as they ran the wiring. Our Technicians worked closely with the Hospital staff to ensure that the cameras would be able to view the areas that they needed to, without violating the privacy rights of the patients who are staying in the domiciliary. Maintaining the historic value and minimizing the environmental impact were a top priority. All recyclable materials were reused or recycled including all scrap cable and conduit.

