

Founders Park – Mounce Dental



Project consists of a high-end 1,626 SF (gross) tenant fit-out in the Founders III Business office located in the Founders Business Park of Rapid City. This Dental fit-out consists of a reception and waiting area, (2) exam rooms, staff lounge, office, shower and restrooms. The interior features stained concrete floors in the reception/waiting area, specialized task lighting, large wood windows, decorative lay-in ceiling, warm interior colors and state of the art dental equipment. The design included the standard and very specialized dental chairs and systems. Facility mechanical and electrical systems integrated to the existing facility systems. Mechanical and electrical connections were designed to X-Ray, dental air compressor, dental vacuum system, and sterilizers.

Project Data

Owner

Mike Tennyson

Location

Rapid City, SD

Building Type

Dental Office

Building Area

1,626 SF

Mechanical Systems / Features

New domestic water system
High Efficiency gas furnaces
Remote Air Cooled Condensing Units
Dedicated Restroom Exhaust Fans

Electrical Systems / Features

Low-Voltage Lighting
Facility Power Via Meter Stack
Healthcare Grounding
Dental Chairs
X-Ray Units
Extension of Facility Fire Alarm

Construction Cost

\$145,423

Completion Date

January, 2011

Mechanical Engineering

HVAC work consists of distributing supply ductwork from the existing high-efficient furnace to all rooms within the dental office area. Lined return ductwork is routed to the ceiling space outside of mechanical room. Linear diffusers are placed along the perimeter in the patient rooms. Supplemental exhaust is provided near office shower, electrical closet, sterile room and Mechanical Room.

Plumbing will consist of serving the new fixtures within the fit-out area. The new exam room sinks and exam chairs required the existing floor to be saw-cut to provide sanitary waste, vacuum and air piping. The existing water heater provides domestic hot water and incorporates a circulating pump ensuring hot water on demand at all sinks.

Electrical Engineering

Electrical work will consist of providing lighting throughout the fit-out area. Special task or area lighting was selected in conjunction with an owners' interior design representative. The design integrated commercial grade low voltage pendants and cable lighting.

Receptacles, phone and data outlets were design throughout the fit-out area.

