

Rewarding Projects

JAYNES CORP. IS LENDING ITS EXPERTISE TO REBUILDING FORT BAYARD MEDICAL CENTER. BY FERNIE TIFLIS

Replacing an institution that is more than 140 years old could be intimidating for some, but Jaynes Corp.'s extensive experience as a general contractor positions itself to blend history with modern-day technology. Jaynes is constructing the 137,000-square-foot Fort Bayard Medical Center, which is located north of Santa Clara, N.M., and scheduled to be completed by December 2010.

Located near Silver City, the approximately \$48 million hospital will replace the existing medical facility that was built in the early 1900s. It was originally founded in 1866 as a U.S. Calvary outpost due to the healing qualities of the high altitude and dry, sunny climate. By 1922, it became a Veterans Administration Hospital, and in the mid-1960s, under the direction of the state of New Mexico Department of Health (NMDH), it began operation as a long- and intermediate-care facility, providing geriatric and orthopedic nursing services with in- and out-patient programs.

In 2006, the New Mexico Department of Health determined that a new facility should be constructed to provide a more effective, contemporary, patient-centered environment for healthcare. Dekker/Perich/Sabatini was

chosen to design the replacement facility to offer a non-institutional, residential scale, "village-style" environment for healthcare.

Jaynes Corp. is serving as the design/build contractor for the medical center that will sit on 15 acres of land. The project will have multiple single-story buildings with 233 patient beds, which will consist of:

- 81 skilled nursing beds
- 93 intermediate care beds
- 40 Veterans Administration patient beds
- 20 chemical dependency beds

In addition, the facility will have themed healing garden plazas, ranging from an activities-fitness plaza to a quiet, meditative plaza outside of a library or chapel. Fort Bayard Medical Center will also feature Southwestern architecture, emulating its historical past.

Jaynes Corporation has extensive experience in building medical facilities like Fort Bayard throughout the Southwest.

Weathering Challenges

Because the new Fort Bayard Medical Center sits on the side of a mountain, Project Manager

Philip Tenorio says, "Rock blasting was a challenge - we basically had to carve off the side of a granite mountain and level it off. Big equipment, including tracked drilling rigs, D-9 Cat bulldozers, and an onsite rock crusher - equipment typically used in the mining industry - were used to accomplish this task.

Public safety was a great concern, he adds. Setting off thousands of pounds of explosives and causing boulders to fly hundreds of feet into the air adjacent to the existing medical facility and a public park comes with a fair share of safety concerns." Jaynes hired Silver City, N.M.-based Fowler Brothers Excavating to ensure this difficult task was executed flawlessly.

"Logistically, [the location has] been a big challenge," Tenorio says, noting that Fort Bayard is located about four-and-a-half hours away from Jaynes' Albuquerque, N.M., office. "Having everyone meet regularly is difficult, so we're [conducting very effective interactive meetings] via the Internet, so architects, engineers, consultants, and subcontractors managers, don't have to go to the site every day."

In addition, all of the project's correspondence including plans, specification, shop drawings, submittals, invoices and pay applications are electronically formatted, which

gives all team members easy access to documents, which speeds up the process. Being paperless is also a way Jaynes can remain environmentally friendly, Tenorio says.

Doing it Right the First time

Using the design/build approach has helped Jaynes expedite work. "We were able to start the project with only the foundation permit," Tenorio states. "It helped us gain time on schedule, we started foundations while we

were finishing the design." Additionally, Jaynes is using building information modeling (BIM) to help coordinate with subcontractors. "BIM helps extensively in clash detection between structural, HVAC, plumbing, fire protection, electrical and special systems; this enables subcontractors to prefabricate as much as possible, especially when the job site is about four hours away," Tenorio says. "The owner, architect and engineers are also involved in BIM coordination meeting so the

Jaynes Corp. - Fort Bayard Medical Center

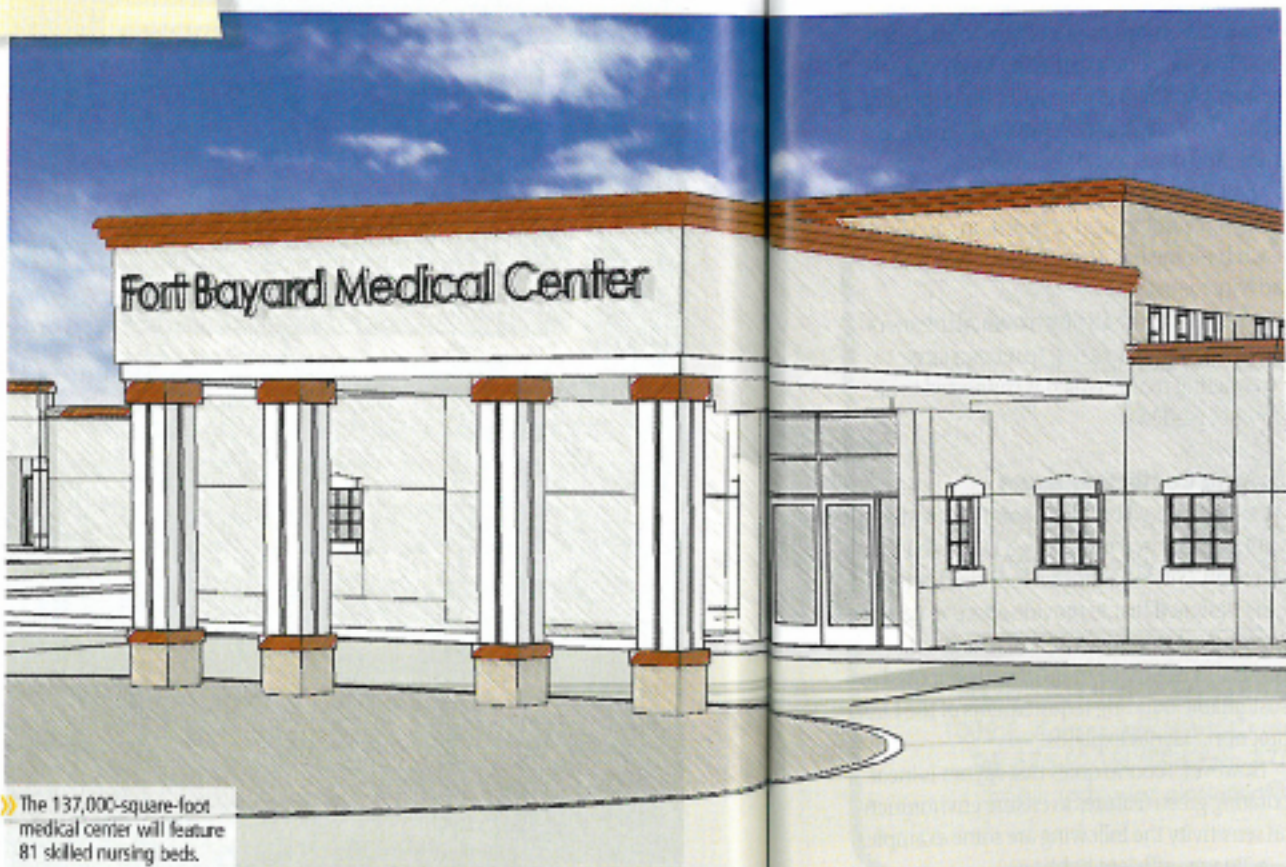
www.jaynescorp.com

- Project cost: Approx. \$48 million
- Location: Bayard, N.M.
- Scope: Geriatric facility

"It is important for everything to be done right the first time." - Philip Tenorio, project manager



Fort Bayard Medical Center will be complete in December 2010.



The 137,000-square-foot medical center will feature 81 skilled nursing beds.

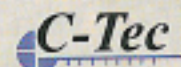


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