

## dck Completed New Federal Prison in Nevada

It all began back in 2007 when Corrections Corporation of America (CCA) came to **dck** to discuss the possibility of **dck** building a new prison just outside of Las Vegas in Pahrump, Nevada. The two companies had worked together with great success prior to this on the Northeast Ohio Correctional Center in Youngstown, and CCA knew they wanted to work with **dck** again.

When CCA was awarded a contract by the Office of the Federal Detention Trustee to design, build, and operate the new Nevada Southern Detention Center (NSDC), they turned to **dck** again to be their design/build contractor. Prior to groundbreaking, **dck** provided preconstruction services, including design/build services, constructability reviews, permit requirement reviews, project budgeting, and scheduling.

This new 200,000 sf NSDC, which houses approximately 1,000 federal inmates and detainees, is broken up into three main sections: the cell housing section, framed in by the careful placement of 204 double bunk cells at the perimeter and a concrete column, beam, and roof plank ceiling structure; the dormitory unit, which consists of a steel frame skeleton and roof tied in with a rugged concrete perimeter wall constructed with modern tilt-up concrete construction methods; and the administrative area, which is designed for video visitation and facility personnel and is protected from the cell housing and form units by a combination of tilt-up and grout-filled CMU walls.

The facility is comprised of the latest state-of-the-art security and technology. It also houses food service, commissary, warehouse, laundry, administration, visitors, medical, and intake facilities, and each cell housing and dormitory area has its own recreational area. For added security, the entire facility is wrapped in a double row perimeter fence with non-lethal electric fence and razor wire incorporated at the top and along the perimeter. All entrances and exits have a two-gate system.

Although CCA has built multiple detention facilities, this is the first facility where a pre-fabricated metal building was “married” with tilt-up concrete construction for secure areas. The many challenges related to this method of construction were addressed throughout the project through open communication and a teamwork approach from **dck**, DLR, and CCA. The end result of this endeavor was a top-notch project. CCA Vice President of Operations Steve Conry said, “I get a chance to see a lot of correction facilities obviously in what I do, but I never stop marveling every time I come here. This facility is really rich in security features, in innovative design features that really make [it] something to be proud about.”

**PROJECT:** NSDC, Pahrump, NV

**Client:** Corrections Corporation of America

**Architect:** DLR

**Project Value:** \$83.5 million

**Completed:** September 2010

**dck Project Team:** Bill West, Don Whaley, Bobby Hunt, Thad Houser, Chuck Strickler, Jr., Greg Whaley, Tim Clark, Jaci Croce, David Freitas, Stanford Achi, Nick Cherish, Mike Kyle, Jason Largent, Bill Patsche, Kevin Smith, Jr., Lori Strickler, Christine Whaley, Linda Suica

Also, in addition to satisfying the client, the project was awarded the Safe Partner Award by the State of Nevada Department of Business and Industry Division of Industrial Relations Safety Consultation and Training Section (SCATS). ■