

## 1. Southwest Cheese Production Plant

**Construction Cost:** \$150 million

**Started:** January 2004

**Target Completion:** October 2005

**Owner:** Glanbia Foods Inc

**Architect:** Bonelli & Associates

**General Contractor:** Skanska USA Building Inc./Dahlgren Industrial Inc.

**Electrical:** Myers Electric

**Mechanical:** Klinger Construction;

**Other:** Carlisle Process Systems

Once fully commissioned, the new facility will be one of the largest and most efficient plants in the world, annually processing over 2.4 billion pounds of milk and produce in excess of 250 million pounds of cheese and 16.5 million pounds of high value-added whey proteins.

It is anticipated that the new facility will generate sales in the region of \$350 million a year and will employ approximately 220 staff. Milk for the facility will



be supplied by the dairy cooperative members of the Greater Southwest.

The 340,000-sq.-ft. facility will have 37 exterior stainless steel storage silos

and several separate structures on the 54-acre site.

*Photo courtesy Dahlgren Industrial*

## 2. University of New Mexico Children's Hospital Expansion

**Construction Cost:** \$129 million

**Started:** November 2004

**Target Completion:** December 2007

**Owner:** University of New Mexico

**Architect:** DCSW Architects Inc.

**General Contractor:** Jaynes/ JE Dunn

Joint Venture

**Electrical:** McDade Woodcock Inc.

**Mechanical:** J.B. Henderson

Construction

**Steel:** tructural Services, Inc.

**Concrete:** Jaynes Structures

The new Bill and Barbara Richardson Pavilion will encompass six stories and 447,00-sq.-ft. of space. Two of the six floors will house UNM's Children's Hospital. The expansion will add a maternity center, newborn intensive care, adult trauma and emergency units. The project will increase the number of patient beds



by 18 percent from 391 to 461.

*Rendering courtesy of DCSW*

### 3. Coors Boulevard/ I-40 Interchange

**Construction Cost:** \$91 million

**Started:** December 2004

**Target Completion:** Summer 2006

**Owner:** New Mexico Department of Transportation

**Engineer:** Parsons Transportation Group

**General Contractor:** Twin Mountain Construction

**Electrical:** McDade Woodcock Inc.

**Other:** A.T.S. Drilling; J.D. Steele/ PRS, a joint venture

This design-build project encompasses the complete reconstruction of the aging Coors Boulevard and Interstate 40 interchange, which was originally built in the 1960's. The existing interchange is currently handling more than twice as many automobiles as it was designed for.

The project, also known as the "Little I", is part of Gov. Bill Richardson's Investment Partnership (G.R.I.P.). Construction includes eight bridges, two of which are pedestrian bridges over the freeway. Seven of the bridges are pre-cast concrete box girder, with one 850-ft. long steel bridge.

I-40 will have one lane added in each



direction to aid with traffic flow during entry and exiting. Extensive sound walls

will also be included in the project.

*Photo courtesy Marti Niman/NMDOT*

#### 4. Sandia Hotel

**Construction Cost:** \$88 million  
**Started:** April 2004  
**Target Completion:** November 2005  
**Owner:** Pueblo of Sandia  
**Architect:** Marnell Architecture; in association with Fanning Bard Tatum  
**General Contractor:** McCarthy Building Cos. Inc.  
**Electrical:** Prime Electric  
**Mechanical:** Miller Bonded Inc.  
**Steel:** AmFab Inc.  
**Concrete:** McCarthy

The 228-room hotel was designed following the pueblo style to match the previously completed Sandia Casino. The hotel is split into two wings, preserving the ample views of the sacred Sandia Mountains nearby.

The seven-story hotel also includes two restaurants and kitchen, retail space, a 38,000-sq.-ft. conference



center and ballroom with operable walls, an 18-hole golf course, a 14,000-sq.-ft. clubhouse and maintenance building. One of the restaurants will be located on the seventh floor, offering sweeping

views of the surrounding landscape. The upper levels will be accessible via seven elevators.

*Photo courtesy McCarthy Building Cos.*

#### 5. National Security Sciences Building (NSSB)

**Construction Cost:** \$68 million  
**Started:** February 2004  
**Target Completion:** May 2006  
**Owner:** University of CA - Los Alamos National Labs  
**Architect:** Chavez-Grievies Consulting Engineers Inc. / HDR  
**General Contractor:** Hensel Phelps Construction Co.  
**Electrical:** Gardner Zemke  
**Mechanical:** Gardner Zemke  
**Steel:** MESA Steel/ Cives Steel  
**Concrete:** Hensel Phelps

Los Alamos' new National Security Sciences Building will ensure the operational readiness of the U.S. nuclear weapons stockpile by providing modern, productive facilities for theoretical and applied physics and computational science, as well as program and senior management functions.

The facility that currently houses these functions, Building SM-43, is 45 years old and has significant safety,



security and functional problems.

The replacement building will be an eight-story, 275,000-sq.-ft. structure that will house 700 staff. It will also include a 600-seat lecture hall/auditorium and a parking garage that will pro-

vide an additional 400 badly needed spaces to the core area of the Laboratory.

*Photo courtesy Hensel Phelps*

## 6. Zia Park Casino/ Race Track

**Construction Cost:** \$55 million

**Started:** May 2004

**Target Completion:** June 2005

**Owner:** Zia Partners LLC

**Architect:** EwingCole

**General Contractor:** Howa

Construction Inc.

**Electrical:** RT Electrical

**Mechanical:** Berger Engineering

**Steel:** WW Steel

**Concrete:** South West Concrete  
Construction

This 18,000-sq.-ft. casino in Hobbs also includes a 1-mi. dirt race track along with 750 slot machines. Amenities include a bar, steak house, track concessions and other visitor amenities.

The design team used 20th century American and New Mexican painters such as Mardsen Hartley and Georgia O'Keeffe as inspiration to create carpet and wall feature designs.



Visually connected and easily accessed as one large complex, the racing, casino, and entertainment components have a single primary public

entrance overlooking the racing paddock.

*Photo courtesy of EwingCole*

## 7. San Juan Regional Medical Center - East Tower Addition

**Construction Cost:** \$45 million

**Started:** July 2004

**Target Completion:** August 2006

**Owner:** San Juan County

**Architect:** Kahler Slater Architects

**General Contractor:** Arviso/Okland  
Construction, A joint venture

**Electrical:** Mills Electrical Contractors

**Mechanical:** Miller Bonded Inc.

**Steel:** Pace Iron Works Inc.

**Concrete:** Okland Construction

The regional, full-service hospital serving Farmington and the Four Corners area is undergoing a 193,000-sq.-ft. expansion.

The new five-story east tower addition will include state-of-the-art operating suites, 72 patient beds, main entry, cafe, healing garden, central sterile supply, loading dock, warehousing and material handling space.

Renovations to the existing structure,



totaling 37,000-sq.-ft., includes new cardiac rehabilitation, endoscopy, registration, support services, food service kitchen and dining, gift shop and administrative offices.

San Juan Regional Medical Center's bed modernization program involves the

additional renovation of 20,000-sq.-ft. of the second and fourth floors of the existing bed tower, converting semi-private patient rooms to private patient rooms..

*Photo courtesy Okland Construction*

## 8. MESA Weapons Integration Facility (WIF)

**Construction Cost:** \$44 million  
**Started:** July 2004  
**Target Completion:** May 2006  
**Owner:** Sandia National Laboratories  
**Architect:** Carter & Burgess, Inc.  
**General Contractor:** Hensel Phelps Construction Co.

**Electrical:** Gardner Zemke  
**Mechanical:** Gardner Zemke  
**Steel:** Structural Services, Inc.  
**Concrete:** Hensel Phelps

The 162,000-sq.-ft. weapons integration facility (WIF) is being constructed as part of the Microsystems and Engineering Sciences Applications (MESA) project, a campus of several buildings designed for the purpose of microsystems research and development.

WIF is a high-security facility providing classified and unclassified workspaces for 374 personnel, and is being constructed to LEED Silver standard. It



is comprised of two building elements totaling approximately 160,000-sq.-ft.

The classified portion consists of a three-story building with a partial basement. The low-vibration concrete structure will house laser labs, electrical labs, advanced visualization technical design development areas and office workspace.

The unclassified two-story building

will contain a visualization lab, computer lab, server rooms, laser and electrical labs, conference rooms and office workspaces. Upon projected completion in 2008, the entire MESA campus is expected to house 648 researchers in 391,000-sq.-ft.

*Photo courtesy Hensel Phelps Construction Co.*

## 9. Tempur-Pedic Manufacturing Plant

**Construction Cost:** \$40 million  
**Started:** September 2004  
**Target Completion:** December 2005  
**Owner:** Tempur-Pedic Inc.  
**Architect:** SMPC Architects  
**General Contractor:** J A Street &

Associates

**Electrical:** DKD Electric  
**Mechanical:** Yearout Mechanical  
**Steel:** W & W Steel  
**Concrete:** Noel Company

This project entails the construction of a state-of-the-art 750,000-sq.-ft. plant to meet the manufacturing needs for Tempur-Pedic International primarily within the western states as well as servicing mattress customers in Mexico and South America.

The Albuquerque plant is expected to bring 250 to 300 jobs to the area. The new facility is being built on a 50-acre site on Paseo Del Volcan in Northwest



Albuquerque, which was selected after a six-month long site search by the company.

The plant will be the second U.S. plant

built by Tempur-Pedic, the first being the company's Virginia plant.

*Photo courtesy J A Street & Associates*

## 10. Center for Integrated Nanotechnologies (CINT) Core Facility

**Construction Cost:** \$26 million

**Started:** May 2004

**Target Completion:** November 2005

**Owner:** Sandia National Laboratories

**Architect:** HDR Architectural

**General Contractor:** Hensel Phelps Construction Co.

**Electrical:** DKD Electric

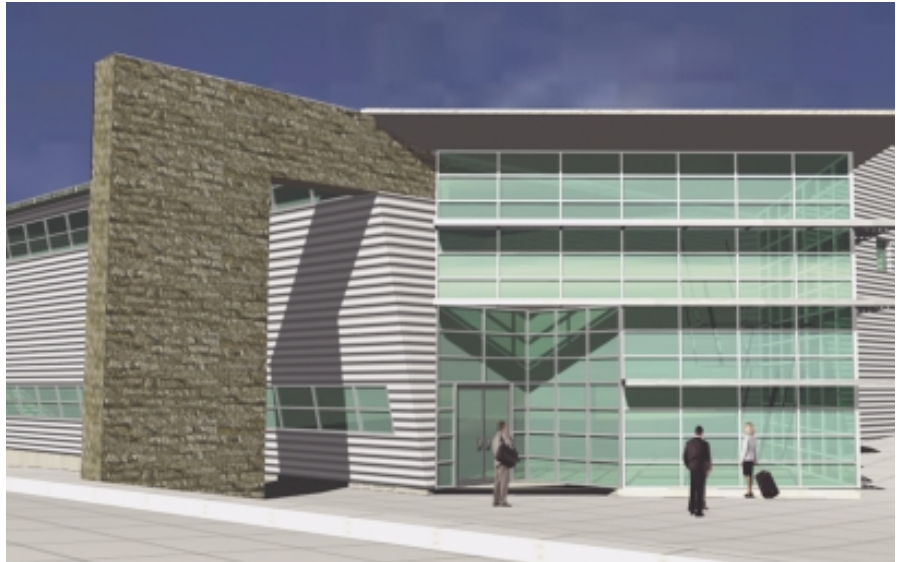
**Mechanical:** Yearout Mechanical

**Steel:** CIMA/ Beck Steel

**Concrete:** Hensel Phelps Const. Co.

The 96,000-sq.-ft. CINT Core Facility is a new office/lab facility providing the multi-disciplinary research environment needed to explore scientific challenges associated with nanoscience integration.

Included in this space are synthesis labs for chemical and biological work, characterization labs for optical and laser work, and Class 1000 clean rooms for integration operations. The building



will also include classrooms, conference rooms, and interaction spaces to facilitate the exchange of information for multidisciplinary communication and development.

The HVAC is designed for chemical free air streams, and structural and

mechanical systems are designed to minimize vibrations in floor slabs. The project is being designed under LEED guidelines.

*Rendering courtesy Hensel Phelps Construction Co.*

## 11. Caprock Wind Ranch

**Construction Cost:** \$25 million  
(Dodge estimate)

**Started:** September 2004

**Target Completion:** April 2005

**Owner:** Caprock Wind LLC

**Engineer:** Texas Wind Power Co./Barr Engineering

**General Contractor:** Texas Wind Power Co.

**Electrical:** Dixie Electric

**Mechanical:** D.H. Blattner

**Steel:** Bergin Steel/St. George Steel

**Concrete:** Ava Early

This project in eastern New Mexico generates electricity using 80 Mitsubishi 1-mW turbines with three blade turbines. Each turbine blade is nearly 225 ft. tall, with an 80-acre site spread out over a 10 mi. area.

Contractors also built 15 mi. of new electrical transmission line and a central control building.

*Photo courtesy of Jason Tillman, Texas Wind Power*



## 12. San Juan County Adult Detention Center

**Construction Cost:** \$22 million  
**Started:** December 2003  
**Target Completion:** March 2005  
**Owner:** San Juan County  
**Architect:** Arrington Watkins Architects

Architects

**General Contractor:** Sahara, Inc.  
**Electrical:** Nichols Electric, Inc.  
**Mechanical:** Tri-City Mechanical  
**Steel:** Skyline Steel, Inc.  
**Concrete:** Dixie Construction

San Juan County's existing detention center was built in 1982 to house 140 inmates. Since then, many renovations have bumped the count up to around 600 beds. The new 1000-bed adult detention center located on Andrea Drive in Farmington is being built to accommodate the county's increasing inmate population and is intended to accommodate the county's needs past 2040. The 190,000-sq.-ft., one-story building was constructed using tilt-up



concrete and masonry, with a membrane roof and rooftop HVAC.

*Photo courtesy Sahara Inc.*

## 13. Dona Ana County Government Center Administrative Offices

**Construction Cost:** \$21 million  
**Started:** September 2004  
**Target Completion:** January 2006  
**Owner:** Dona Anna County  
**Architect:** DCSW Architects Inc.  
**General Contractor:** Wooten Construction Co.

Construction Co.

**Electrical:** B & H Mechanical  
**Mechanical:** B & H Mechanical  
**Steel:** Alliance Riggers  
**Concrete:** Las Cruces Concrete

The 155,000-sq.-ft., two-story building will house Dona Ana County government offices, sheriff's department, county assessor, county manager, county treasurer, commission chambers, planning, utility, elections, district attorney, health services, human resources and a museum.

The building will be a contemporary



example of Spanish Mission architectural style.

*Rendering courtesy Wooten Construction Co.*

## 14. Louisiana Blvd./ I-40 Interchange Reconstruction

**Construction Cost:** \$20 million

**Started:** January 2004

**Target Completion:** October 2004

**Owner:** NMDOT & City of Albuquerque

**Engineer:** Gannett Fleming West Inc.

**General Contractor:** A.S. Horner Inc.

**Electrical:** Bixby Electric

**Earthwork:** Chava Trucking

**Concrete:** A.S. Horner Inc.

Complete reconstruction of existing interchange into a platform type Single Point Urban Interchange (SPUI) configuration, the first in New Mexico. The project also included the construction of retaining walls, noise walls, storm drain improvements, a park-and-ride facility, signalization, street lighting,



and an I-40 westbound on-ramp directly out of the adjacent shopping mall.

*Photo courtesy Gannett Fleming West, Inc.*

## 15. SNL Thermal Test Complex

**Construction Cost:** \$20 million

**Started:** March 2004

**Target Completion:** May 2005

**Owner:** Sandia National Laboratories

**Architect:** Dekker/Perich/Sabatini

**General Contractor:** Hensel Phelps

Construction Co

**Electrical:** DKD Electrical

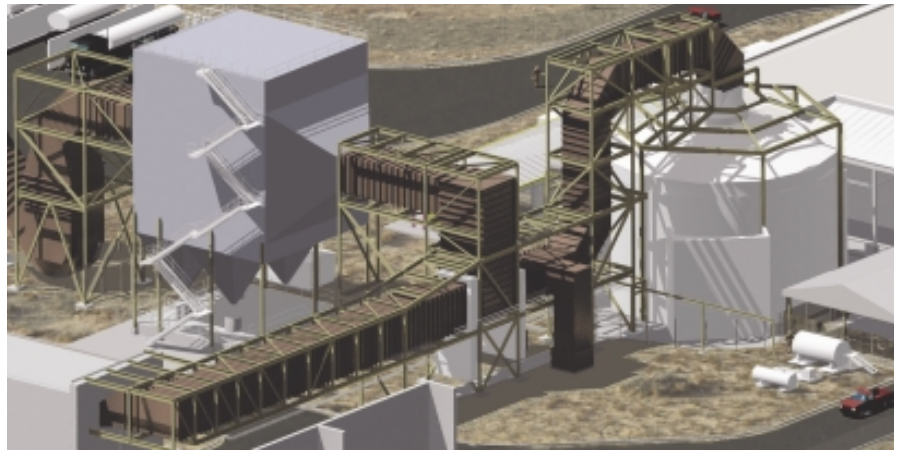
**Mechanical:** Gardner Zemke

**Steel:** Cole Steel, Inc.

**Concrete:** Hensel Phelps Const. Co.

This multi-laboratory, office and test facility will have the capability to test full-scale weapon systems indoors.

The complex will feature a seven-story, 60-foot diameter test cell, called the FLAME cell, for fire testing, with water-cooled walls and airflow equipment. Laser diagnostic equipment will be used in the cell to help understand the burning process.



Systems to allow jet fuel, methanol, and other liquid fuels as well as hydrogen, methane, and other gas fuels are part of the design. A central facility with control room, office space, shop, assembly areas, smaller labs, and test areas will adjoin the FLAME cell.

The Cross Flow Fire Test Facility (XTF) is a 25-ft.-high by 25-ft.-wide, 84-ft. long facility that includes a low-speed

wind tunnel for testing objects with hazardous components, including explosives. To be built with 30-in. reinforced concrete walls and special refractory concrete, the XTF will also have radiant heat test capabilities. The complex also features a state-of-the-art air-cleaning system.

*Rendering courtesy Hensel Phelps Construction Co.*