

Nevada Best of 2008

## McCarran International Airport, Satellite D, Northwest Wing Expansion

Transportation and Best Project Management/Team



**Nine new gates**, comprising 128,000 sq ft over two stories, as well as an arresting vehicle barrier system, have been added to McCarran International Airport. The addition includes tenant improvement spaces for vendors and a second floor featuring custom materials and stone tiles. Passenger-friendly, the concourse highlights two clerestories supported by exposed pipe-trusses that span 60 ft. The clerestory roof is supported by super-span exposed decking extending to 35 ft between the trusses and incorporated into the interior. A conical skylight allows for the display of local artwork.

Resolving to form a solid relationship,



the project team managed this large project through collaboration and communication. They communicated almost

daily to weigh in on project decisions in order to lower response times associated with inquires during the process. >>



When a series of unexpected challenges arose at the end of construction, the strong team rapport resulted in the ability to complete an increased workload under pressure. A full-time safety team

ensured construction was completed in a secure environment.

A new standard in airport security is evident in the arresting vehicle barrier system, the first of its kind at a commercial airport

in the U.S. 450 bollards supporting more than 14 mi of security cable prevent vehicles traveling at high rates of speed from penetrating the barrier of the airport.

The addition was accomplished in under two years.

**Submitted by:** McCarthy Building Cos.

**Owner:** Clark County Department of Aviation

**Architect:** Tate Snyder Kimsey Architects

**Contractor:** McCarthy Building Cos.

**Construction Manager:** Bechtel Infrastructure Group

**Engineers:** PBS&J; Leslie Robertson Associates

**Major Subcontractors:** Dittmeier Steel Svcs.; Morse Electric; Pahor Mechanical; Commercial Roofers; M&H Building Specialties; Statewide Fire Pro; TAB Contractors; Carmel Contract Glazing; Mitsubishi Electric USA; Corradini Corp.

# Nevada Best of 2008

## 5th Street School Rehabilitation

Government/Public and Renovation/Restoration



**Fitting the community** while retaining its 1930s flavor and charm, the Fifth Street School impressed the judges as a prime example of urban re-use. Since the building is on the National Historic Register, the renovation and restoration of this structure required modernizing the building while retaining its history. Lead paint and asbestos were abated while concrete block and tiled roofs were revitalized. Crisp white walls accentuate the multi-colored roof tiles, underscoring the classic façade of the school.

All systems, including lighting, were updated and a new central plant was installed. Water credits were used to remove the existing fountain, and now a stunning tiled courtyard fountain is visible through the entrance promenade. Improved arches, exterior columns and covered walkways emphasize the structure's graceful design. Turf was removed to make way for more desert-appropriate landscaping.

The public will directly benefit from the updating of this structure, whose

primary purpose is educational. The Nevada School for the Arts, UNLV Architecture Department, AIA Las Vegas Chapter and the City of Las Vegas Cultural Department will all call this structure home. A striking auditorium will serve the public by hosting many functions and events.

**Submitted by:** City of Las Vegas

**Owner:** City of Las Vegas  
Redevelopment Agency

**Architect:** KGA Architecture

**Contractor:** Richardson Construction

**Historical Consultant:** Heritage  
Architecture and Planning

**Engineers:** Barker Drottar Associates;  
VTN; JBA Consulting Engineers

**Major Subcontractors:** Hi Tech  
Electric; U.S. Mechanical; Hanlon  
Masonry; DMK Concrete; Dean  
Roofing; Del Sol Landscaping

Nevada Best of 2008

## UNR Mathewson-IGT Knowledge Center

Higher Education



**One of the most technically-advanced** information centers in the world, the five-story, 295,000-sq-ft Knowledge Center greatly enhances higher education at the University of Nevada, Reno. A traditional library is combined with information technology, including smart classrooms and a high-tech viewing and listening area. An automated

storage and retrieval system accommodates four times the volume of a traditionally-shelved library, and can retrieve materials in less than 15 minutes.

Students and researchers can study in the dramatic central atrium, which incorporates skylights and clerestory windows to bring in natural light. An automated lighting control system adjusts electric

light in the soaring space as needed.

While retaining the feel of a traditional library, the center keeps the pulse of campus life, offering a coffee shop, exhibit area, sculpture garden and an auditorium that seats 180. Soaring arches and cupolas accentuate the structure's traditional brick exterior.

**Submitted by:** Q & D Construction, P.K. Electrical and RHP Mechanical Systems

**Owner:** State of Nevada Public Works Board/UNR

**Architect:** Hershenow & Klippenstein Architects; Dekker/Perich/Sabatini

**Contractor:** Q & D Construction

**Engineers:** PK Electrical; Odyssey Engineering; Ainsworth Associates; Hyttinen Engineering; Structural Services Inc.

**Major Subcontractors:** Nelson Electric; Brussa Masonry; RHP Mechanical Systems; Custom Glass; Stitser Drywall; J.W. McClenahan Co. Delta Fire Systems

Nevada Best of 2008

# The Northwest Career and Technical Academy

K-12 Education



**Preparing teens for careers** through simulated work conditions, the Northwest Career and Technical Academy is a four-year comprehensive school offering eight different programs. Local students may choose to focus on engineering and design, construction management, hospitality and media communications among other emphases. An on-site, 7,000-sq-ft banquet hall supports the culinary and

hospitality programs.

This LEED silver facility represents collaboration between the school district, the community, design professionals and local corporate partners. At 213,000 sq ft on 30 acres, the academy will eventually educate over 2,000 students per year.

A central courtyard and amphitheater provide gathering places for students, while a video production studio and digi-

tal photo laboratory meet the needs of those interested in careers in the media. Students benefit from such amenities as a daycare facility, fitness trail and basketball and tennis courts. The energy requirements were reduced by 50% through the use of high-performance air filtration, room occupancy sensors and ground source heat pumps, making the facility a teaching tool in and of itself.

**Submitted by:** Sletten Cos.

**Owner:** Clark County School District

**Architect:** SH Architects

**Contractor:** Sletten Construction of Nevada

**Engineers:** Taney Engineering; Mendenhall Smith Inc.; MSA Engineers

**Major Subcontractors:** GSL Electric; Pahor Mechanical; Dittmeier Steel Services; Commercial Roofers

Nevada Best of 2008

## CORE Construction-Nevada Office Building

Private Green Project



**CORE Construction's** new 12,543-sq-ft office building is situated on a 1.1 acre plot of land. Pursuing LEED gold certification was a priority to CORE, as well as the use

of materials and techniques that emphasized its employees' talents and values.

Windows or skylights are featured in every office and hallway, and photovoltaic panels installed in the parking lot reduce energy use by up to 25% each month. The panels serve double duty as covered parking spots for employees. One third of the overall flooring is composed of recycled glass and wall insulation was created from recycled denim. The building's façade is low-maintenance, with well-detailed steel, concrete, glass and masonry left as-is, rather than being painted over or covered. Over time, the materials will weather naturally. Composed of pervious concrete, the parking lot captures storm water that then seeps into the ground to recharge groundwater and reduce runoff.

Waste discarded in the kitchen is comprised of food products and non-recy-

clable packaging, due to the 125-sq-ft dedicated recycling area housed on site in the break room. All cleaning products used in the building are chemical-free and green, with cleaners working during daytime hours to reduce energy usage.

**Submitted by:** CORE Construction and Carpenter Sellers Architects

**Owner:** Fire Mesa Properties LLC

**Architect:** Carpenter Sellers Architects

**Contractor:** CORE Construction-Nevada

**Engineers:** Wright Engineers; Intrepid Engineering

**LEED Consultant:** Ausonio Inc.

**Subcontractors:** VT Construction;

WGDL Inc.; Frazier Masonry;

MDI Steel; Pacific Drywall & Paint;

Interstate Plumbing & Air

Conditioning; Arco Electric;

American Solar; Tand Inc.

Nevada Best of 2008

# UNLV Science and Engineering Building

Public Green Project



photo by: Kirk Gitting Photography



**Achieving LEED silver** for this new building at the University of Nevada, Las Vegas campus was a priority from the start of design. The four-story, 200,000-sq-ft structure exhibits the university's commitment to disciplinary interaction. Collaborative research in science and engineering is

encouraged by the allocation of dynamically-used space, versatile work areas and web-based teleconferencing rooms.

Designed to use 25% less energy than a more typical laboratory, the building is topped by an Energy Star roof membrane that reflects back 92% of the solar energy striking the roof's surface. Light usage is reduced during daytime hours through occupancy sensor controls. Native drought-tolerant plants were used in exterior landscaping, and the interior features low-flow sinks and showers. A Pure Water System in the laboratories produces 750 gallons of reject water per day, which will be stored underground and then pumped back into the facility for use in plumbing.

Contractors recycled 60% of construction waste, with existing asphalt paving used onsite as fill material. Steel, metal

wall panels and concrete all include recycled content, and regionally manufactured materials were used to offset transportation effects. Contamination of indoor air systems is minimized through the use of low-VOC products and green cleaning supplies.

**Submitted by:** Dekker/Perich/Sabatini

**Owner:** UNLV/State of Nevada Public Works Board

**Architect:** Dekker/Perich/Sabatini

**Contractor:** Sletten Cos.

**LEED Consultant:** The Weidt Group

**Engineers:** Tetra Tech; SH Nevada; Hyytinen Engineers

**Major Subcontractors:** Great Salt Lake Electric Inc.; Quality Mechanical; Dittmeier Steel; KK Mechanical; ISEC; SDI; StructureCast; Marnell Masonry; Embassy Glass; Kovach

Nevada Best of 2008

## Weber Dam Reconstruction

Civil/Infrastructure



**Coming in at three months** ahead of schedule, the Weber Dam Reconstruction updated the existing, seismically inadequate 1934 structure. Realignment of the 1,950-ft embankment was a requirement of the project, and the outlet works and foundation were repaired and changed. A 960-acre reservoir was created to hold almost 10,700 acre-feet of water, ensuring that the Walker River Paiute Tribe has year-round access to irrigation water.

Extensive dewatering was required during construction, and a temporary bridge was installed to handle construction traffic. 260,000 cu yds of embankment excavation and fill were used in this project, and the result was a 120-ft extension of existing outlet works.

Specifications for the chimney drain were changed during construction, with sand at an average of 4% overall stockpile ultimately used. Savings in construction

time were ensured by an alternate outlet works conduit extension. An inside diameter slightly larger than the inside diameter of the horseshoe conduit was proposed and accepted for a concrete-encased, mortar-lined, steel pipe. A wetland migration area was excavated and constructed with a concrete outfall structure. Water is delivered to the wetlands from a dewatering well, which required construction using valves, steel pipe and PVC pipe. The scope and complexity of this project helps secure the future stability of the dam.

**Submitted by:** Harris & Associates  
**Owner:** Walker River Paiute Tribe; funding by Bureau of Indian Affairs  
**Engineer:** Bureau of Reclamation  
**General Contractor:** Barnard Construction of Nevada  
**Construction Manager:** Harris & Associates  
**Major Subcontractors:** Tri State Surveying Ltd.; Terracon

# Nevada Best of 2008

## Pavilion

Office



PHOTO BY: DARIUS KUZMICKAS

Four months after completion, this new office building had an occupation rate of 95%. Distinctive green-tinted low-E glass optimizes the building's energy efficiency, contrasting with other materials used. The façade is sheathed in natural materials of honed and split-face travertine. Accenting the entryway is a steel and glass canopy that provides shading for the 154,000-sq-ft structure. Tenants can utilize a large balcony on the sixth floor, which provides views of Red Rock Canyon. Landscaping, including mature palm trees, surrounds the building and the parking area. Situated at Summerlin Centre's 400-acre community under development by the Howard Hughes Corp., Pavilion was required to meet meticulous criteria with respect to build-

ing design, signage and landscaping. The office is in close proximity to a major freeway, as well as residential housing and shopping areas.

**Submitted by:** KKE Architects

**Owner:** Charleston Pavilion LLC

**Architect:** KKE of Nevada

**Contractor:** Whiting-Turner Contracting Co.

**Other Design:** RPA Landscape Architecture

**Engineers:** MSA Engineering Inc.; Fire Safety Engineers

**Major Subcontractors:** AMFAB; KHS&S; HJ Martin & Son; Commercial Roofers; Berger Engineering; Helix Electric; Statewide Fire Protection



Nevada Best of 2008

## Western Dairies

Industrial



**The first of its kind,** Western Dairies' new milk processing plant's design was accomplished through extensive use of 3D AutoCAD. Over a period of 16 months, RHP Mechanical Systems inventoried, set and installed all mechanical and processing equipment on site.

More than 1,370 hours went into design and 18,000 hours of labor went in to the construction and welding of all housing, piping and mechanical equipment.

Spanning 86,000 sq ft, the plant has over 6.5 miles of piping designed to process 860,000 gallons of milk per month.

Processing more than one type of milk is possible using 10% less labor due to the innovative design of the plant. Fitting the piping without interfering with other systems, existing pipe, conveyer belts or structural supports was a main construction challenge. The inventive piping and layout coordination design of Western Dairies is being used as a template for other milk processing plants across the country. Lower overhead for the plant is passed on to the supplier, and ultimately the consumer.

**Submitted by:** RHP Mechanical Systems

**Owner:** Western Dairies

**Architect:** Creative Edge

**Contractor:** Bi-Con Services

**Mechanical/Process Contractor:** RHP Mechanical Systems

Nevada Best of 2008

## Diablo's Cantina Restaurant

Retail/Restaurant/Hospitality



Featuring a variety of indoor and outdoor spaces to eat and drink, Diablo's Cantina on the Las Vegas Strip is more than a restaurant. Fashioned to be reminiscent of an old, abandoned government building from Mexico, the restaurant is anchored by a stone wall ruin, and a natural stone, stucco and tile façade. Built within this "old" veneer, the Cantina showcases reclaimed wood and recycled and embossed hammered metal ceiling pieces. Raw concrete and steel are juxtaposed with handmade Mexican tile, hand-troweled plaster walls and ceilings, and graceful arches leading to carved wood balustrades. Vibrant colors mix with rustic tile and furniture in the Cantina. Hand-painted murals emphasize the unique feel of the restaurant. A second-floor bar opens to the outside so patrons can enjoy the



view of Las Vegas Boulevard from the balcony. Fourteen large plasma screen televisions, kinetic lighting and a DJ booth and performance stage are just some of the modern technologies featured in the restaurant.

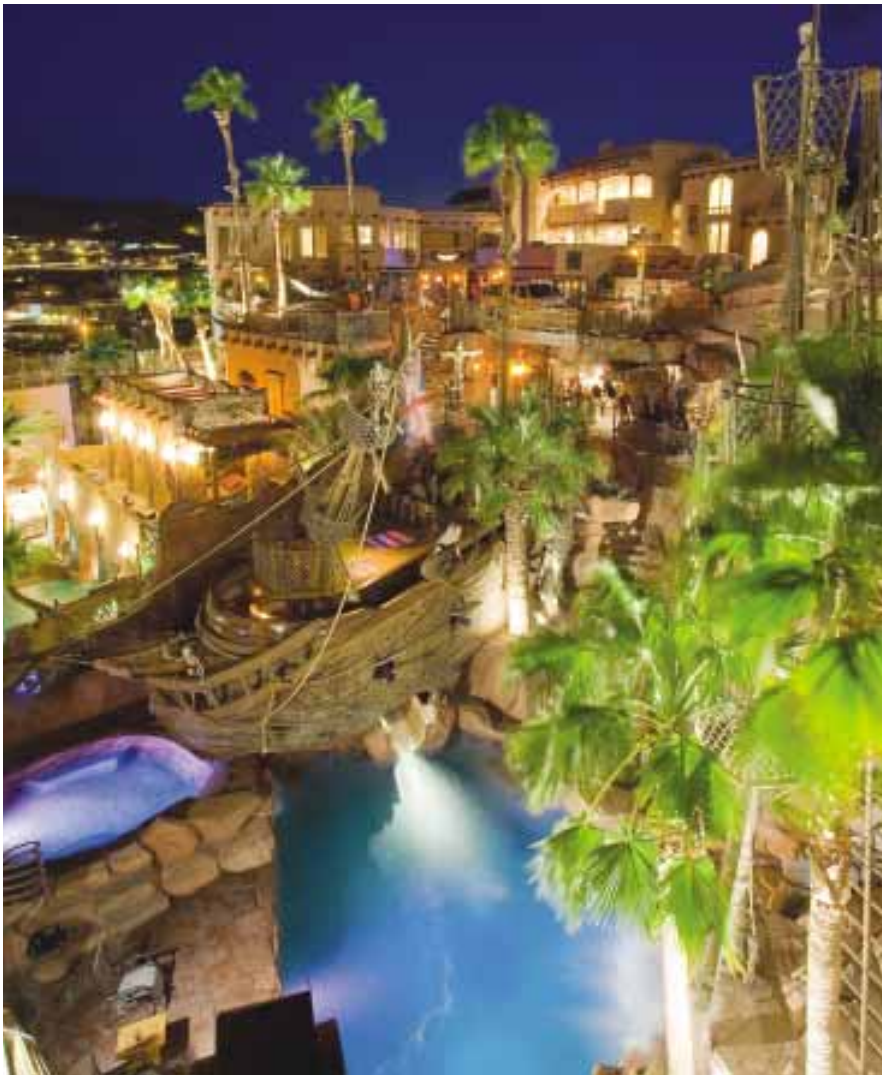
**Submitted by:**

The PENTA Building Group  
**Owner:** MGM MIRAGE Design Group

**Architect:** Klai Juba Architects

**Contractor:** The PENTA Building Group

**Subcontractors:** Aderholt Specialty Co.; Advanced Demolition Technologies; Century Steel; Commercial Roofers; Complete Millwork; Henderson Masonry Lloyds Refrigeration; Mojave Electric; Statewide Fire Protection; TAB Contractors; Tracy & Ryder Landscape; Western Tile



**Pirate's Cove** is one of the most fanciful, original private residences ever constructed. Many have mistaken it for a resort. This multi-building private site is designed to be an oasis in the desert, with a pirate theme. Suitable for its desert environment, the residence preserves views of a nearby lake through careful orientation of structures and terraced construction with subterranean rooms. A composite

concrete and steel roof system was utilized to support the green roof. This resulted in additional yard area around the property's lagoon pool. Shaded exterior living space was created under the driveway by the use of a suspended concrete slab. Counter-fort walls along the side of the home raised the surrounding grade and allowed for taller building. Isolated from rigid building structures, pool

frameworks are reinforced to provide self-healing cracks and waterproofing.

With a 75-ft difference in grade across the site, the fort "ruins" required a vertical excavation of over 30 ft. Automated pirates and skeletons along with a ship's deck that rocks up and down contribute to the whimsical feel of the residence. The owner and visitors delight in the estate's features, including a dungeon, a full gym, indoor and outdoor theatres and a lagoon with giant manmade waterfalls.

**Submitted by:** J. M. Williams and Associates

**Owner:** Craig Tillotson

**Architect:** J. M. Williams and Associates

**Contractor:** Jacobsen Construction  
**Engineers:** J. M. Williams and Associates; David L. Jensen and Associates; Royal Engineering

**Other:** Ozzie Kraft Enterprises; Cloward H2O; JMWA

Nevada Best of 2008

## Reno-Sparks Indian Colony Tribal Medical Center

Healthcare



**Incorporating the cultural** significance of the Reno-Sparks Indian Colony, the Tribal Medical Center is built on the banks of the Truckee River. Devising a schedule to allow the construction of the

exterior shell of the building to occur during the summer was necessary, with the structural steel being erected at a later date. A large replication of a Native American water basket is just one exam-



ple of the art included in the structure, reflecting the surrounding community's heritage. The structure is part of the revitalization occurring in the neighborhood. Spacious and distinguished, this medical facility features advanced mechanical and electrical systems. Tribal members can receive medical, dental, and ambulatory care at the Medical Center, which fills an essential need for the community.

**Submitted by:** PACE Pacific Corp.

**Owner:** Reno-Sparks Indian Colony

**Architect:** Leo A Daly

**Contractor:** PACE Pacific Corp.

**Subcontractors:** Custom Glass; Gene

Koffler Masonry; Henri Specialties Co.;

Nelson Electric; RHP Mechanical

Systems; Scott Meek and Son

Concrete; Viper Steel;

Western Single Ply

Nevada Best of 2008

## The Crystals at City Center

Steel and Engineering Design



**Complex angles** and a unique orientation to detail are hallmarks of The Crystals at CityCenter. At 665,000 sq ft, the facility includes a below-grade garage, two levels of retail and an uncommonly beautiful roof. Shaped with thousands of leaning columns,

curving trusses and straight members that do not line up with any other pieces of steel, nineteen separate roofs intermingle and overlap. Thousands of massive beams cut through one another and lean in all directions. In total, 16,455 pieces of steel comprise the

structure and a total of 13,900 tons were used in construction. Over 90% of connections are bolted. Because of CityCenter's LEED silver goal, only recycled steel was used in the project. The six arcade roofs, designed at different angles to connect with the 13



planar roofs, converge at the apex of the facility. Upon completion, the arcade roofs will be encased in glass to

create a massive skylight to illuminate the interior.

This project required over 15,000

shop drawings, and there are no right angles or repetitions on any of the 13 planars and six arcades. An entire year of design-assist for this project was required, with the team working backward after planning ahead. Steel was installed one piece at a time, and surveyors compared actual vs. theoretical truss locations to ensure that no point was off by more than 1/4 in.

**Submitted by:** Schuff Steel Co.

**Owner:** MGM MIRAGE

**Architects:** Gensler (executive);  
Studio Daniel Libeskind (design);  
Adamson Associates  
(architect of record)

**General Contractor:** Perini Building Co.

**Structural Engineer:**

Halcrow Yolles

**Steel Contractor:** Schuff Steel

**Other:** BDS Steel Detailers;

Silver Steel; Bryant Surveys;

Local 433, Union Ironworkers

Nevada Best of 2008

# Varian Medical Systems-LV-5 Test Cell Project

Concrete



**Engineered to be advanced**, multi-bay concrete vault test cells, Varian Medical Systems' LV-5 facility was constructed within an existing industrial shell. Four concrete test cell vaults, a production area and administrative offices constitute the project's 85,000 sq ft. The test cell back wall was poured from stay form concrete, resulting in a 4-ft thick, 15-ft high structure that is 160 ft long. The wall totals 460 yds and is placed monolithically. Eleven concrete pours were required for this complex, with walls up to 7-ft thick.

Minimum 148 PCF dry performance specifications were met on each of the 220 truckloads of concrete delivered. A plan was developed to ensure the structural integrity of the facility's foundation before any concrete was poured. A micro pile sub-



contractor installed over 250 micro piles 20 to 30 ft deep within the building, which allowed for construction of the cells inside this highly complex concrete test vault.

**Submitted by:** SR Construction

**Owner:** Varian Medical Systems

**Architect:** Hoover Associates

**Contractor:** SR Construction

**Major Subcontractors:** Precision Concrete; Pete King Nevada Corp.; Mojave Electric; Pahor Mechanical

Nevada Best of 2008

# Nevada State College Academic & Student Services Building

Masonry



At 42,587 sq ft, the Nevada State College Academic & Student Services Building is the first official building of this new school. Six classrooms, five laboratories and 48 faculty offices compose this facility, which comprise a centralized support zone for students. Built along a 5% natural slope at the foot of a

mountain range, the building was designed in horizontal forms so as not to compete with the surrounding natural beauty.

Masonry block seamlessly reflects the landscape. Weathered copper roofing highlights the quality of the masonry, as well as its striking coloring. An indoor color palette

of charcoal, terra cotta and wine boldly complements the exterior masonry block construction. Concrete floors, slate and carpeting showcase the light-filled, two-story lobby of the building.

**Submitted by:**

CORE Construction-Nevada

**Owner:** State of Nevada Public Works Board and Nevada State College

**Architect:** Carpenter Sellers Architects

**Contractor:** CORE Construction-Nevada

**Masonry Contractor:**

Frazier Masonry Corp.

**Engineers:** Lochsa Engineering;

JBA Consulting Engineers;

Martin & Associates

**Landscape Architect:** Southwick

**Subcontractors:** Commercial Roofers;

Glade Wilgar & Sons Glass Co.;

Robco Electric; Tech Steel;

Triton Grading & Paving;

Universal Plumbing & Heating

Nevada Best of 2008

## Station Casinos Corporate Headquarters

Interior Design/T.I.



**Bringing a splash of mid-century modernism** to suburban Las Vegas, Station Casinos Corporate Headquarters stands in the shadow of Red Rock Casino Resort and Spa. Embracing the resort, the headquarters has an aesthetic that seamlessly transitions between building and natural environment. At 130,000 sq ft, the headquarters combines with the resort in spirit, yet remains physically separate. Coming together at the dramatic all-glass double-height lobby, the two rectangular buildings reside within an inventive curved module. Glass walls underscore the buoyant interior atmosphere. Brightly colored modern art graces the walls, with contemporary furniture lending itself to a lucid, clean space. Corporate luxury abounds on the executive level, with hand-troweled Venetian plaster walls leading from full-height glass walls in the reception area. The owners of Station Casinos



have their offices located at the north and south poles of the north wing. Plasma screens and speakers are remotely controlled. French limestone, paldao wood, and backlit onyx wall panels complete this polished and illumined interior.

**Submitted by:** Gensler of Nevada  
**Owner:** Station Casinos

**Architect:** Gensler of Nevada  
**Contractor:** Image Construction  
**Engineers:** Martin & Martin Civil Engineers; Kimley-Horn and Associates; Martin & Peltyn  
**Consultants/Subcontractors:** Kaplan Partners Architectural Lighting; Bomel Construction Co. Bacon Veneers

Nevada Best of 2008

## World Market Center-Building C

Private Project, Other



**Exhibiting the top trends** in interior design, World Market Center Las Vegas is the home furnishing industry's premier tradeshow complex. Building C opened in July 2008, with a parking garage to serve patrons of the center. Completed in 18 months, the project contains 2.1 million sq ft over 16 stories within a steel-framed

structure featuring contemporary architectural design. Each floor is composed of 130,000 sq ft. 27,000 cu yds of concrete was poured for the building's map foundation. Ranging from three to five ft in length, 194 sets of anchor bolt clusters were placed in the foundation. To form the floors, 38,000 cu yds of concrete was poured.

Thirty-four escalators and 16 elevators allow patrons to move from floor to floor.

Over 17,500 tons of steel was used for Building C, and the structural frame was assembled from steel columns rolled in Germany. 3,600 parking stalls and six access elevators comprise the adjacent parking structure, which is seven stories and 700 ft long.

**Submitted by:**

The PENTA Building Group

**Owner:** World Market Center LLC

**Architect:** JMA

**Contractor:** The PENTA Building Group

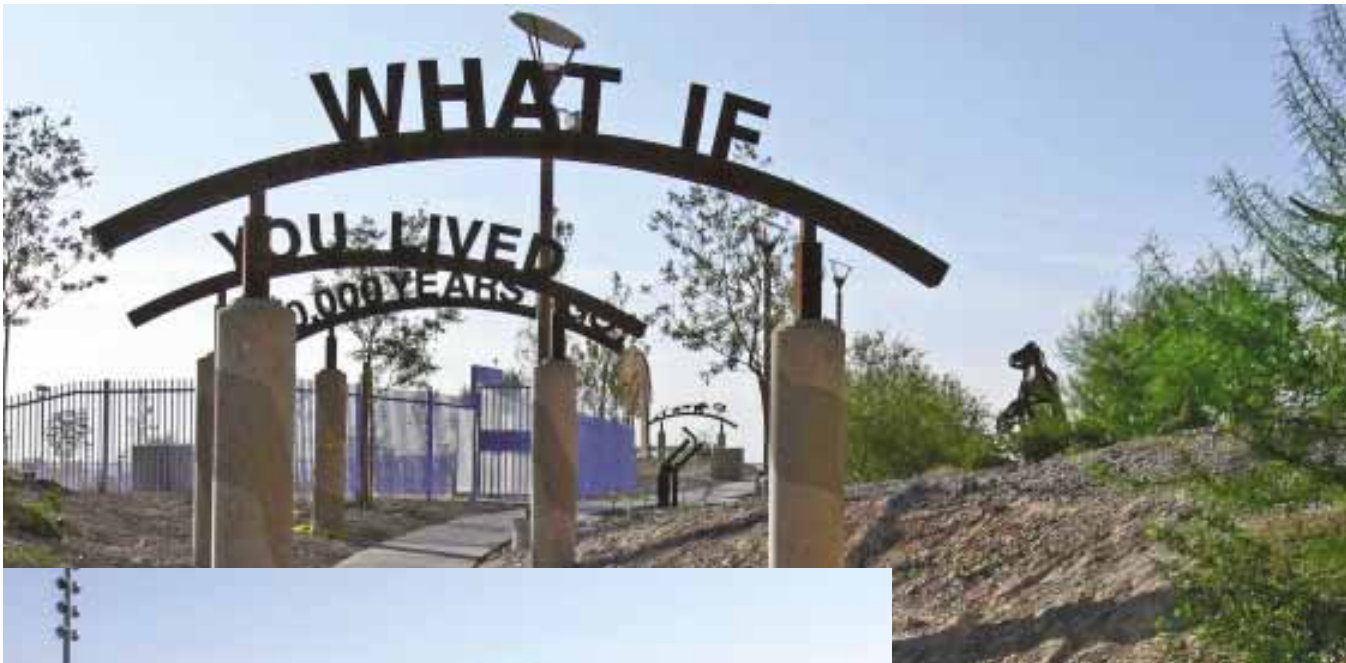
**Engineers:** Desimone Consulting Engineers; Culp & Tanner

**Major Subcontractors:** SME Steel; George M. Raymond; Dynalectric; Quality Mechanical; TAB Contractors; Embassy Glass; Schindler Elevator Corp.; Desert Fire Protection

Nevada Best of 2008

## Centennial Hills Park Phase 3

Landscape/Urban Design



Part of an overall 120-acre civic site, the 30-acre Centennial Hills Park Phase III serves the northwest section of Las Vegas. The site already features such structures as a community center, library and fire station. Preservation of an inverted riverbed, a geologic land form, is the main design feature of the park. Erosion of the riverbed created a ridge around the site, which allowed project designers to incorporate an amphitheater with seating for 3,000. From the ridge, a shaded over-

look with views of downtown Las Vegas provides a place for contemplation. Also featured along the ridge are full-size interpretative sculptures of once-native animals and signs about the area's geology.

Maintaining the natural desert look of the area was a priority. Existing topsoil was removed in some areas of the park, but it was replaced upon the project's completion. Pergolas along an interpretive trail encourage visitors to engage with their surroundings as well as consider their

place in them. All levels of the park equipment at the playground allow access by disabled visitors. Lighted horseshoe courts, shade shelters, a water play splash pad, and a natural turf area are additional amenities accentuating the park's accessible and enjoyable atmosphere.

**Submitted by:** City of Las Vegas

**Owner:** City of Las Vegas

**Architect:** J. W. Zunino and Associates

**General Contractor:**

APCO Construction

**Construction Manager:**

Jacobs Engineering

**Engineers:** Poggemeyer Design Group;

TJK Consulting Engineers

**Major Subcontractors:** MSI Companies;

Wheeler's Electric; Young Electric

Sign Co.; Las Vegas Paving; Contech

Construction; Signs West;

Henderson Masonry; USA Shade and

Fabric; Stewart & Sundell

# Nevada Best of 2008

## The Palazzo

Honorable Mention: Steel



**The Palazzo is a 52-story project** in Las Vegas, featuring 3,066 hotel suites, luxury shopping, dining, entertainment and a 105,000-sq-ft casino. Sixty boutiques and an 85,000-sq-ft Barneys New York provide shopping for patrons.

Planning the erection phase and fabricating steel for construction took one full year. 70,000 tons of structural steel was used for this project -- at the time, the largest commercial steel project in the U.S. Sixty percent of the steel was fabricated in-house by Schuff Steel and 95% of the facility is built with American recycled steel.

Twenty-four fabrication plants were utilized to complete over 52,000 beams, columns and braces used in the construction. A 4,000-vehicle underground parking structure is also located on-site.

Over a floor per week was built on the tower portion using structural steel, a marked improvement in construction time. Intricate suite designs included



multiple levels, requiring complex and delicate construction.

**Submitted by:** Schuff Steel Co.

**Owner:** Las Vegas Sands Corp.

**Architect:** HKS Inc.

**Construction Manager:**

Taylor International

**Structural Engineer:** Walter P Moore

**Steel Fabricator/Erector:** Schuff Intl.

**Other:** BDS Steel Detailers;

Tekla Structures

Nevada Best of 2008

## Donald W. Reynolds Food Bank of Northern Nevada

Honorable Mention: Industrial



**Serving the needs of the community** in northern Nevada, this food bank features a simple design for its warehousing component, with the administrative and public spaces inserted within the warehouse form. Color is used to brighten the building's aesthetics and provide accents. Aluminum glazing systems, galvanized steel roofing and tilt-up concrete walls are just some of the materials featured in the construction.

Natural light is allowed in through clerestory windows and desert views are maximized in the administrative area's design. The interior has exposed structural and mechanical systems with a cheery, bold color palette to enliven the environment for staff and visitors. All users of the building may view and appreciate the warehouse operations, with the process of storing and moving food made open to the public through large glazed windows.

Because of the very nature of the building, a tight budget was necessary. The design and construction teams worked together to finish the project on time and within budget. Growth of the food bank's operations in the future will be facilitated by this building's functional and lively spaces.

**Submitted by:**

Panattoni Construction Inc.

**Owner:** Food Bank of Northern Nevada

**Architect:** Hershenow & Klippenstein Architects Ltd.

**Contractor:** Panattoni Construction Inc.

**Engineers:** Odyssey Engineering Inc.

**Major Subcontractors:** Alpine Roofing; Applied Mechanical; Blue Mountain Steel; Capital Glass; Jensen Electric; Panelized Structures; Tedesco Pacific Construction