Notable Concrete in Dallas and Vicinity

Art of Concrete

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The Short Take Off and Vertical Landing (STOVL) Operations Facility is used to conduct aircraft propulsion system testing on the Lockheed Martin F-35B STOVL jet. Designed to direct the aircraft’s lift fan and downward jet engine exhaust plume to allow extended ground level testing, the facility’s deck comprises steel “cascades” that direct and vent the airflow. The facility’s foundation pit has a 4 in. (100 mm) thick layer of high-temperature-resistant concrete to protect against prolonged exposure to hot exhaust gasses.
A new campus for Tarrant County College in downtown Fort Worth consists of four multi-level concrete buildings, totaling 144,000 ft² (13,400 m²), carved into the south side of the Trinity River Bluff. Concrete columns at north and south ends of the buildings slope 7 degrees toward the river. The two primary buildings are six-story, cast-in-place, post-tensioned concrete superstructures with 12 ft (3.7 m) cantilevered walk-ways and 20 ft (6.1 m) cantilevered floor and roof levels. Cladding for all buildings consists of dark gray precast with a random reveal layout to provide a sleek finish for the campus.

Project credits include JQ, Structural Engineer; Big Thorn Architects and Bennet-Benner-Pettit, Architects; Austin Commercial/Con Real, General Contractor; Capform, Concrete Contractor; TXI and Cow Town Redi Mix, Concrete Suppliers; and Gate Concrete, Precast Supplier.
The adaptive reuse of an historic building and the construction of a new building created a luxury hotel and resort in downtown Dallas. The 19-story bank building, originally built in 1927, was restored and renovated and a new 19-story structure was constructed as an expansion of the historic building. Due to low floor-to-floor heights, concrete was the only choice for the new structure. The low roof at the 10th floor features a dramatic cantilevered swimming pool with a glass end that overlooks Dallas’ Main Street below.

Project credits include JQ, Structural Engineer; Balfour Beatty, General Contractor; and Pecos Construction, Concrete Contractor.
A concrete structure frames a contemporary form with classical elements. The architect chose cast-in-place concrete to maximize floor space at minimum expense. The base of the brick-clad building terminates at the third floor with a cast stone entablature. Varying brick colors and accent bands create visual interest in the façade with texture, light, and shadow that change throughout the day.

Project credits include Advanced Cast Stone, Cast Stone Supplier; Acme Brick, Masonry Unit Supplier; and Pavestone, Unit Paver Supplier. Photo courtesy of Charles Davis Smith, AIA.
The recent renovation of the Transport Life building replaced original exterior finish materials (terracotta and GFRC) with precast concrete. Original ornamentation included carved busts of Roman soldiers at the second floor level. These had been removed in earlier renovations, so 10 new busts were made in cast stone, matching cladding material in the first two stories of the office tower. The remarkable detail in each soldier's headdress, uniform, and facial features was carved into a master and cast from intricate rubber molds. Project credits include Advanced Cast Stone, Cast Stone Supplier.
At 467,000 ft² (43,400 m²), the Sammons Cancer Center outpatient facility is a 10-story structure with a façade that includes a mixture of glass-fiber-reinforced concrete (GFRC), stone, glass, and metal panels. Located on the Baylor University Medical Center campus, the exterior features a radiused curtain-wall façade. Sammons Cancer Center achieved LEED Gold Certification under the U.S. Green Building Council LEED Core and Shell 2.0 rating system, earning credits for Sustainable Sites, Water Efficiency, Energy and Atmosphere, Materials and Resources, and Indoor Environmental Quality.

Project credits include GFRC Cladding Systems LLC, Concrete Panel Supplier.
Reagan Place is the newest addition of office space on the Old Parkland Hospital campus. Its Georgian architecture was inspired by Jeffersonian designs and complements the historic buildings on the campus. The 47,000 ft² (4400 m²) building includes a two-story balcony and a two-story rotunda lobby that emulate period details in porticos, fireplaces, and moldings.

Project credits include Advanced Cast Stone, Cast Stone Supplier.
On this high-rise apartment complex in Uptown, cast stone elements enhance the ground-level retail areas with a sense of a distinctive Spanish design, high-quality construction, and permanence.

Project credits include Advanced Cast Stone, Cast Stone Supplier.
As the home field of the Red Raiders since 1947, the stadium has had multiple renovations in the last two decades that have expanded capacity and modernized amenities. Project credits include Eagle Precast.
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