



JAMES C. SWANSON, SE, PE Principal

James Swanson is a 20 year, industry leading structural engineer whose professional reputation consists of completing complex, multimillion-dollar projects on time and under budget. His career features extensive project management experience in a variety of state-of-the-art developments including: office, hotel, retail, parking, industrial, residential and transportation facilities. His project expertise also includes direct involvement with design management and construction phase services.

EDUCATION

Master of Science, Civil Engineering, Purdue University, 1984
Bachelor of Science, Civil Engineering, Northwestern University, 1983

PROFESSIONAL REGISTRATIONS

Licensed Structural Engineer in Illinois
Licensed Professional Engineer in IL and MI

PROFESSIONAL ASSOCIATIONS

Structural Engineers Association of Illinois
American Society of Civil Engineers
American Institute of Steel Construction
Construction Specifications Institute
Chicago Building Congress

SELECTED PROJECTS

Doosan Haeundae Zenith Tower Peer Review, project engineer for the review of 3 towers offering cost and constructability saving options, Busan, South Korea

Taekwondo Arena and Complex Competition, schematic design; developed several intricate structural concepts for an arena enclosure, near Dagggu, South Korea

Sanaya Towers Peer Review, two phases of review for pair of 45-story linked towers. After advising on significant structural integrity issues, reviewed for further improvements and cost savings, Amman, Jordan

Lotte World Tower Competition, worked with architect's 120-story design to configure structural scheme, Busan, South Korea

Takeda Pharmaceuticals Phase II, facilities expansion of a seven story office with an adjacent parking garage structure, Deerfield, Illinois 2011

AMLI River North Tower, schematic design for a 50-story apartment tower with parking, Chicago, Illinois 2012

Kroc Community Center, 33-acre complex built over a reclaimed brownfield site containing an educational center, atrium, multi-use theater, athletic center, art academy and an outdoor cathedral, Chicago, Illinois 2010

New City, 1.7 million square foot, multi-building, mixed use development on an eight acre site with residential, retail, theater, hotel and parking uses, Chicago, Illinois 2010

St. Clair, 44-story concrete high-rise condominium building, with a 10-floor parking garage included in the building envelope, Chicago, Illinois 2010

Clark and Grand Hotel, 24-story, 491,000 square foot tower combining three distinct hotel brands in one facility, designed and coordinated using Revit BIM software, Chicago, Illinois, 2009

Mansueto Library, University of Chicago, 40,000 square foot addition to the Regenstein Library, including a reading room at grade covered by steel and glass dome atop a 50 foot deep, single-story underground book storage vault with automated retrieval system, Chicago, Illinois 2009

Oak and Rush Retail Development, LEED certified, 100,000 square foot, flagship retail facility, including green roofs, ornamental stairs, and complex foundation coordination, Chicago, Illinois 2009

South Loop Commons, 300,000 square foot, three-story retail structure, with a restaurant and four stories of parking, Chicago, Illinois 2009

Lake Pointe Tower, concept design of a 40-story mixed-use office and residential tower, designed to compliment the city's new art museum, Milwaukee, Wisconsin

Burnham Pointe, 29-story, reinforced concrete residential tower with adjacent six-story parking garage, Chicago, Illinois 2008

Roosevelt Collection, 1.75 million square foot, mixed-use development on an eight-acre site with residential, retail, theater and parking uses, Chicago, Illinois 2009

Left Bank Residential, 37-story, 560,000 square foot, reinforced concrete framed tower, with additional foundation design services provided for an adjacent six-story precast concrete garage, Chicago, Illinois 2006

Takeda Pharmaceuticals, two six-story office buildings, a multi-level parking structure and a remote package delivery center, Deerfield, Illinois 2006

Sherman Plaza Complex, consisting of four separate structures: a 25-story luxury condominium building, two multi-tenant retail buildings including a large state of the art health club and a 12-story parking garage, Evanston, Illinois 2006

Schaumburg Convention Center Complex, 18-story hotel next to a 250,000 square foot exhibition hall, Schaumburg, Illinois 2005

The Montgomery, renovation and conversion of the former Montgomery Wards headquarters, 28-story, residential tower, and a new five-story attached concrete parking structure, Chicago, Illinois 2005

Hyatt Center, 48-story, 1.75 million square foot office building, Chicago, Illinois 2004

200 N. Jefferson Street, 28-story residential building with an adjacent low-rise parking structure, Chicago, Illinois 2000

North Avenue Collection, 160,000 square foot, eight-story mixed-use facility with office, retail, and health club levels which incorporate an adjacent 210,000 square foot, seven-story parking garage, Chicago, Illinois 2000

65 East Goethe Street, 130,000 square foot, eight-story condominium constructed over an underground parking garage, Chicago, Illinois 2000

District 230 Consolidated High Schools, renovation and expansion program of Andrew, Sandburg and Stagg High Schools, Orland Hills, Orland Park and Palos Hills, Illinois 2000

SELECTED PROJECTS, PREVIOUS EMPLOYERS

Renaissance Place, mixed-use facility consisting of multi-level office, retail and residential buildings constructed over an underground parking garage, Highland Park, Illinois 1999

University of Illinois Engineering Hall, renovation and addition to the 19th century timber and masonry, four-story structure, Urbana, Illinois 1998

Army and Air Force Exchange, detailing and design of exterior tilt-up wall panels for 800,000 square foot merchandise distribution center, Lathrop, California 1998

Midway Airport, new airport facility including a terminal, pedestrian bridge, parking structure, concourses and other operational buildings, Chicago, Illinois 1997

U.S. Navy Bachelor's Enlisted Quarters, design and construction services of the seven-story, 285,000 square foot residential complex consisting of four individual structures linked by elevated pedestrian bridges, Great Lakes, Illinois 1995

U.S. Navy Damage Control School, construction phase services for the 100,000 square foot training facility consisting of laboratories, classrooms, fire fighting and ship hull repair training, Great Lakes, Illinois 1995

U.S. Navy Hull Training School, construction phase services for the renovation and expansion of several existing buildings to accommodate new classrooms and training facilities, Great Lakes, Illinois 1995

FAA Control Tower, construction phase services for the precast concrete control tower at Pontiac Airport, Pontiac, Michigan 1995

United States Postal Service General Mail Facility, lateral analysis, structural steel and foundation design for the two million square foot, central mail facility which spans over existing railroad right of way, including a 10-story office and customer service center, Chicago, Illinois 1994

Hotel Vila Olimpica, 460,000 square foot, eight-story office building including an adjacent plaza constructed over an underground ballroom and pedestrian tunnel, Barcelona, Spain 1990

Broadgate Phase 12 & 13, 590,000 square foot, 12-story office complex and plaza to be partially constructed over existing railroad right of way, London, England 1990

Citicorp Parking Garage, 15-story, 800,000 square foot parking garage designed and detailed to accommodate two additional levels for future expansion, Los Angeles, California 1989

Dearborn Tower, structural system studies and lateral analysis for the conceptual 80-story commercial high rise, Chicago, Illinois 1989

FC2, design and detailing of an ornamental domed roof over a portion of the multi-story office structure, London, England 1988

Holy Angels Church, design of a two-story church and social center consisting of exposed steel roof trusses, Chicago, Illinois 1988

Morgan Stanley, structural steel and foundation detailing for the 16-story office development constructed on a concrete platform extending over a waterway, London, England 1988

Clayton Plaza, preliminary superstructure and foundation system development for a mixed-use complex consisting of a seven-story residential facility and a 30-story office tower, Clayton, Missouri 1987

Broadgate Phase 11, design and detailing for stair towers cantilevering from a nine-story office building, London, England 1987

Exchange Square, design of a landscaped plaza featuring cascading water elements and exposed steel structures, constructed over railroad right of way, London, England 1987

Broadgate Phase 6 & 7, drawing production and interdisciplinary coordination of the 980,000 square foot, 13-story office structures constructed over existing railroad right of way, London, England 1986

Chicago Place/ 700 N. Michigan, reinforced concrete systems for a 48-story, mixed-use retail and condominium structure, Chicago, Illinois 1986

600 North Lake Shore Drive, preliminary system design and lateral analysis of the conceptual 60-story residential structure, Chicago, Illinois 1985

One Magnificent Mile, concrete column and floor slab design review of the 50-story residential towers, Chicago, Illinois 1985

Arib International Bank, design and analysis of the lateral support and mat foundations for the twin 50-story residential and office towers, Cairo, Egypt 1985