

Science & Technology



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Building Group

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Science & Technology Experience

California Institute of Technology, The Broad Center for the Biological Sciences Pasadena, California

The five-story building combines specialized facilities used by each of the life sciences with a design that brings together the researchers who lead these disciplines. Open-air staircases, cross-axial hallways, semi-public common areas, and soaring atriums create an intentional mix of the building's occupants.

Florida International University, Health and Life Sciences Building Phase I Miami, Florida

The first floor of this four-story building contains several clinics, offices and a computer lab. The second, third and fourth floors consist of state-of-the-art biology department laboratories for molecular biology, cellular biology, microbiology, as well as faculty and administrative offices, and conference rooms.

Dana-Farber Cancer Institute, Smith Laboratories Boston, Massachusetts

This research facility has 13 floors above-grade and seven floors below-grade for parking. Dry lab space for epidemiology is located on the second floor and the upper floors house private laboratory spaces, and a BL-3 animal facility with air locks and a high level of biochemical security. A support core at the center houses glass wash, equipment, environmental and isotope rooms.

Louisiana Cancer Research Center New Orleans, Louisiana

The Louisiana Cancer Research Center (LCRC) is a 10-story, 260,000 sf highly advanced research building. The design incorporates a four-story concrete frame parking garage with a structurally isolated six-story steel frame research building above. Three floors will be dedicated to cancer research laboratories for LCRC's immunology, molecular signaling and molecular genetics research programs. The top floor will house a vivarium and LCRC's executive offices, and four floors will be dedicated to parking. A large theatre-style meeting facility will be located on the first floor. The remaining two floors will be flexible "white box" spaces for future growth as laboratories, offices or clinical services.

University of California San Francisco, Smith Cardiovascular Research Institute San Francisco, California

Five-story, 232,000 sf laboratory research building including open wet labs, lab support, offices, vivarium and outpatient facility.

300 Third Street Cambridge, Massachusetts

130,000 sf office and laboratory development located in the heart of Cambridge - a rapidly growing center for biotech. With four levels of Class "A" office space, 300 Third Street places great emphasis on its distinctive tenant amenities including two levels of enclosed parking for 150 vehicles and landscaped courtyard.

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University of California San Diego, Altman Clinical and Translational Research Institute La Jolla, California

The CTRI building is a 365,000 sf, nine-story translational research facility with three stories partially below-grade including a loading dock. The building will include wet and dry research laboratories, laboratory support space, a vivarium, clinical area, offices, an auditorium and a cafe. The project will achieve minimum LEED Silver NC certification and is attempting zero energy strategies.

Beverly Hills High School, New Science and Technology Center Beverly Hills, California

The Science and Technology Center is 78,000 sf of replacement biology, chemistry, physics laboratory classrooms, and mathematics and technology classrooms. The lab classrooms are equipped with additional exhaust fans to assist with expelling fumes that could result from experiments, and the two chemistry lab classrooms each have their own fume hoods.

Florida Atlantic University, Marine Science Building, Harbor Branch Oceanographic Institution Fort Pierce, Florida

State-of-the-art facility provides space for marine biology, marine science, marine biotechnology, natural resources and environmental education for graduate and undergraduate students.

San Diego Community College District, City College Science Building San Diego, California

100,000 sf science building housing classrooms, labs and associated preparation areas for chemistry, biology and physical science departments. Registered LEED Silver NC.

INFINITY at NASA Science Center Stennis Space Center, Mississippi

This new 68,000 sf, two-story Science Center will feature interactive exhibits which focus on the interdependent ecology of the earth and its relationship within the solar system. The building will include a 216-person capacity restaurant and café, a full size commercial kitchen, office space, retail space, classrooms and an Immersive theater. The focus of the building is the gallery space which will include areas on science, the earth, ocean, and space.

Lawrence Berkeley National Laboratory, The Molecular Foundry Berkeley, California

The Molecular Foundry is a nanoscience user research facility housing dry and wet labs for organic and synthetic chemistry research, Class 100 and 1,000 clean room areas for nanoscience research and a detached central plant. The project received a LEED Gold NC rating.

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Louisiana State University, Clinical Science Building New Orleans, Louisiana

This 260,000 sf building houses the Clinical Research Department for LSU Medical Center. The first and second floors house the animal holding facility and the remaining five floors consist of clinical research laboratories.

University of California, Berkeley, Helios Energy Research Facility West Berkeley, California

112,800 sf new laboratory and office building including wet research laboratory space and research, office and administrative support space. This project is registered as LEED Silver NC, using the 2009 LEED Rating System.

Alnylam Pharmaceuticals Cambridge, Massachusetts

40,000 sf of pharmaceutical laboratory fit-up in an existing building including animal surgery suites, fume hoods, reverse osmosis filtering systems, acid neutralization rooms, vacuum pump system, all new HVAC and electrical upgrades.

Mississippi State University, Science and Technology Center Stennis Space Center, Mississippi

This three-story, 40,000 sf steel framed building will have exterior stucco on a steel stud backup. The roof will be a low-slope membrane with a metal screen wall to hide roof-top mechanical equipment. Two passenger elevators will serve the upper floors. A new access road, entry drive, parking lot and landscaping are included in the scope of work.

Children's Hospital of Los Angeles, The Saban Research Institute Los Angeles, California

Two-story laboratory building consists of an auditorium/theater, lecture hall, two-story below-grade vivarium, imaging MRI and an ante room designed and constructed to BSL-3 and permitted as BSL-2. The basement is completely subterranean and contains 20 animal holding/procedure rooms, a large autoclave, an irradiator, and a Bruker Biospin MRI. Other areas include mechanical level with two AHUs, laboratories, research support and office space, dark and cold rooms, and a radioisotope room.

Genentech Process Science Center South San Francisco, California

154,200 sf demolition of existing Genentech Building 7, and construction of a two-story wing that includes a pilot plant and mechanical/electrical rooms and a three-story wing that is a mix of laboratories, lab support cold/warm rooms and offices.

Science & Technology Experience

Children's Harbor Research & Innovation Center

Birmingham, Alabama

This building houses Children's Health System's teaching, research and outreach programs. The complex design mimics the bow of a ship with walls radiused and offset in three planes to form the "bow" of the ship. The 105,000 sf museum-quality building includes a lecture hall and meeting rooms, a 9,200 sf vivarium, 21,000 sf of wet labs and 21,000 sf of research labs.

The J. David Gladstone Institutes, Mission Bay Laboratory Building

San Francisco, California

185,000 sf, six-story laboratory and office building with a vibration-sensitive structure consisting of a wet laboratory and support spaces, BSL-3 laboratories, administration areas, a 150-seat auditorium, and vivarium.

University of California Los Angeles, CNSI Court of Sciences Building

Los Angeles, California

New 188,000 sf facility providing nanosciences research laboratories, laboratory support space, a 260-seat auditorium, offices and conference rooms. Two lower levels house engineering and low-vibration labs along with an Integrated molecular systems facility and two clean rooms. The third level includes a loading dock and laboratory space which includes state-of-the-art facilities for bio systems and optical imaging. The fourth level acts as the main level, and levels five and seven have uniquely designed open lab space. The sixth level provides lab services and handling future laboratory growth.

University of California Los Angeles, Biomedical Sciences Research Building and Orthopaedic Hospital Research Center

Los Angeles, California

The UCLA Biomedical Sciences Research Building and Orthopaedic Hospital Research Center structures were designed to foster a collaborative research environment and include state-of-the-art technologies to maximize research exploration. Combined, the 230,000 sf buildings house common open laboratories that are shared among departments.

Palm Beach Community College, Natural Science Building

Lake Worth, Florida

This two-story, 51,000 sf building includes classrooms, teaching labs, a main circulation lobby and multiple offices. Construction methods included concrete tilt wall panels, structural steel columns, beams and joists, mezzanine slab on metal decking and modified bitumen roofing over lightweight concrete.

University of Southern California, Zilkha Neurogenetic Institute

Los Angeles, California

Five-story building contains underground procedure rooms, holding rooms and MRI systems. The above-grade facilities include five floors of biology laboratories with fume hoods, equipment rooms, environmental control rooms, glass wash facilities and a NMR suite.

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California Institute of Technology, Warren & Katharine Schlinger Laboratory for Chemistry and Chemical Engineering

Pasadena, California

The 62,300 sf, four-story Schlinger Laboratory blends adaptable design and sustainable construction elements for a contemporary laboratory. Designed with flexible lab space, research areas can be adapted or reconfigured for specific uses. Each of the highly specialized research areas was custom designed to meet the distinct specifications of the resident professors. The laboratory also offers an abundance of ventilated chemical fume hoods, providing a high ratio of workstations per student or researcher. The building is registered LEED Gold NC.

Child Health Institute of New Jersey

New Brunswick, New Jersey

The 156,000 sf clinical research and development facility includes laboratories, offices and administrative space, a transgenic gene targeting facility, and 54,000 sf of research space comprised of a 20,000 sf vivarium and 34,000 sf of clinical research space.

McRae Science Building

Ridgeland, Mississippi

The new McRae Science Building at St. Andrews Episcopal School is a 30,000 sf, two-story building with brick exterior, metal roof and foundation on piles. The new building includes six laboratory/classrooms (two chemistry, two biology, two physics), a laboratory/classroom in each discipline that features an independent student lab for long-term research, lecture classrooms, 100-seat tiered lecture hall, outdoor recycling center, and a central lobby that includes faculty-student "interaction pods" for independent study.

MIT Lincoln Laboratory

Lexington, Massachusetts

The South Laboratory expansion is a state-of-the-art technology/research center. The 490,000 sf structure houses laboratory and research space on all four floors and common spaces located at various locations throughout the complex.

University of Southern California, Ronald Tutor Engineering Research Building

Los Angeles, California

New 116,000 sf, six-story building that accommodates undergraduate and graduate studies in information technology, bioengineering and nanotechnology. The flexible space features laboratories and research spaces extending from a central core.

University of California San Diego, Engineering Building Unit 3B

La Jolla, California

Computer science and engineering building consisting of 146,511 sf and including research labs, faculty office, administration support and undergraduate labs.

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Chiron Life Sciences Center, Novartis Pharmaceuticals Corporation Emeryville, California

Building 4 houses approximately 500 scientific researchers and support staff in a unique six-story laboratory and office structure containing biological and chemical labs, corporate executive offices, open office space, conference rooms, administrative support and mechanical equipment space. Modern, state-of-the-art laboratories are flanked by offices which surround the central atrium and conference areas. Building 7A was designed as the first module of the large central plant.

Florida Atlantic University, College of Engineering & Computer Science & Satellite Chiller Plant Expansion

Boca Raton, Florida

Five-story, 93,000 sf building designed and constructed to LEED standards to achieve a Platinum rating. The building consists of a circulation lobby, lecture rooms, laboratory/classroom teaching areas, a distance learning classroom, faculty offices and multiple student areas. The satellite chiller expansion project involved providing a new chiller and cooling towers to supplement the existing chiller plant.

Hewlett-Packard Divisional Headquarters

Wilmington, Delaware

360,000 sf complex housing research and development, offices, assembly and marketing space for HP's Analytical Products Group. The laboratory space spans three floors, and on each floor the laboratories are linked with research and development, and business teams promoting direct input from key departmental staff.

Cornell University Academic/Research/Teaching Veterinary Hospital

Ithaca, New York

The research facilities of this complex occupy five floors and include significant animal research and housing spaces, BL-2 and BL-3 class biological laboratories, and vibration isolated areas for electron microscopes. Specialty labs, radio frequency shield rooms, numerous labs with reverse osmosis water, tissue culture growth chambers and fume hoods occupy the remaining space.

Stanford University, Center for Clinical Research

Stanford, California

The 200,000 sf building consists of two identical five-story wings including a basement and four stories above-grade and contains 130,000 sf of laboratory space. The remaining space is used for office support and circulation space.

Federal Drug Administration Laboratory

Philadelphia, Pennsylvania

The new state-of-the-art laboratory facilities provided the FDA with new laboratory casework, fume hoods and ventilation systems, and laboratory equipment.

Science & Technology Experience

Stennis Space Center, Ocean Sciences Laboratory

Hancock County / Bay St. Louis, Mississippi

This design-build contract for a 171,600 sf, two-story structure holds offices for administrative and data-processing functions, and more than 10 scientific laboratories. It contains classified and unclassified spaces, conference rooms and vending areas. The Naval Oceanographic Office (NAVOCEANO) primary offices and laboratories included in the complex are a current meter lab, engineering sonar lab, glider lab, mechanical lab, METOC enterprise engineering laboratory, optics lab, pressure vessel lab, shipboard configuration center and ocean sensor calibration lab, shipboard systems lab, shore test equipment allowance program, and systems integration lab.

Florida Atlantic University, Physical Sciences Building

Boca Raton, Florida

The Physical Science Building assists more than 4,000 science students with state-of-the-art equipment for the instruction of chemistry, biochemistry, physics, geography and geology with 42 science labs and prep rooms. The three-story, 90,000 sf building is cast-in-place concrete and features architectural split-face concrete on both exterior and interior.

University of Chicago, Argonne National Laboratory

Argonne, Illinois

The design-build project for a 200,000 sf chemistry facility contains research and teaching laboratories, faculty offices, a 150-seat lecture hall, classrooms, support space and administrative offices.

Genzyme, Inc. (Formerly Biomatrix)

Ridgefield, New Jersey

The clinical research project housed research, office and administrative support space. All of the clinical research rooms and most of the specialty rooms had metal lath and plaster ceilings which proved challenging due to limited space for the structural support system and installation of overhead mechanical, plumbing, fire protection and electrical systems.

University of California San Diego, Scripps Institution of Oceanography, MESOM Research Lab

La Jolla, California

The new Marine Ecosystem Sensing, Observation and Modeling (MESOM) Laboratory on the Scripps Institution of Oceanography campus, is a facility to develop a new program to provide the scientific foundations for marine ecosystem forecasting. The facility is a three-story structure with wet and dry labs, lab support, offices and building support. The project is designed for LEED Gold certification.

University of California Berkeley, Northwest Animal Research Facility

Berkeley, California

The Animal Research Facility is a two-story, 56,000 sf facility housing holding areas for research animals plus surgery, laboratory and service areas.

Science & Technology Experience

University of Southern California, Harlyne Norris Research Tower Los Angeles, California

172,440 sf, 10-level cancer research tower including a 180-seat auditorium building, laboratories, support areas and conference rooms. The basement level contains glass wash, cryofreeze, and shell areas, and the lower ground level contains mechanical and electrical spaces, as well as office and conference room area. The project is partially OSHPD approved.

AstraZeneca

Westboro, Massachusetts

AstraZeneca is a major international research pharmaceutical company. Due to the company's rapid growth, modernization and upgrade of their facilities included robotics, product, wet chemistry and analytical laboratories, upgrades to electrical and mechanical systems, existing supply and exhaust system, wet sprinkler system, hepa filter carbon system and exhaust fans.

Johnson & Johnson Pharmaceutical Research Institute

San Diego, California

Two-story building with biology and chemistry laboratories including BSL-2 and BSL-3 laboratory space, a vivarium, full kitchen, auditorium, three-story atrium and central plants.

Boston College, Merket Chemistry Center

Chestnut Hill, Massachusetts

The new 110,000 sf facility houses chemistry, teaching and research laboratories. The four-story building contains research laboratories and faculty offices on the two upper floors, and located on the two lower levels are teaching laboratories, a 150-seat lecture hall, classrooms, support space and administrative offices.

Parke-Davis Research Facility Expansion

Ann Arbor, Michigan

Four-story addition housing a pre-clinic facility and numerous research laboratories including installation of laboratory casework and hoods. A major interior feature is a decorative, glazed vaulted skylight which covers part of a connecting corridor to the existing facility and a ground-level cafeteria addition.

Princeton University, Friend Center

Princeton, New Jersey

State-of-the-art, 75,000 sf center for engineering education encompassing easily reconfigured high-tech classrooms and computer clusters, a distance-learning room set up for video conferencing, a spacious convocation hall, a 250-seat auditorium and a multi-tiered library.

Science & Technology Experience

MS Valley State University, Science & Technology
Itta Bena, Mississippi

Stennis Space Center - Lockheed Martin Metrology
Center
Hancock County / Bay St. Louis, Mississippi

Bayer Corporation Building 66 Clinical Manufacturing
Facility
Berkeley, California

Bristol-Myers Squibb Lab Renovations
Lawrenceville, New Jersey

Children's Hospital of New Orleans Research Building
New Orleans, Louisiana

Almaden Research Facility
San Jose, California

Raytheon Company – Phase 2 Expansion
Northboro, Massachusetts

Elan Pharmaceutical Technologies
King of Prussia, Pennsylvania

Undersea Weapons Systems Laboratory
Newport, Rhode Island

Tulane Medical Center, Health and Environmental
Research Building
New Orleans, Louisiana

ALZA Corporation Building M2/M3 Bio-Center
Mountain View, California

Centocor, Inc.
Malvern, Pennsylvania

Plantation High School, New Environmental Science
Building
Plantation, Florida

Michigan State University, Food Safety-Toxicology
Center
East Lansing, Michigan

Callahan Eye Foundation Hospital, Bruno Eye
Research Laboratory
Birmingham, Alabama

Digital Office and Computer Lab Building
Nashua, New Hampshire

Southern Research Institute
Birmingham, Alabama

Neuronyx, Inc.
Malvern, Pennsylvania

Palm Renovations
Cambridge, Massachusetts

IBM/FAA Technical Center
Pomona, New Jersey

Florida International University, Health and Life
Sciences Phase II
Miami, Florida

Amgen Biotechnology Research Center Bldg 29
Thousand Oaks, California

SmithKline Beckman Offices and Molecular
Biology Laboratories
Upper Merion, Pennsylvania

USDA Human Nutrition Research Center
Boston, Massachusetts

Genencor International, California Technology Center
Palo Alto, California

Merck and Company, Inc.
West Point, Pennsylvania and Rahway, New Jersey

Missile Systems Laboratory
Tewksbury, Massachusetts



Science & Technology Experience

The Scripps Research Institute, Arnold and Mabel
Beckman Center for Chemical Sciences
La Jolla, California

Auburn University, Harrison School of Pharmacy
Auburn, Alabama

Edwards Lifesciences T&D Annex Bldg Expansion
Irvine, California

University of California Berkeley, Life Science Building
Addition
Berkeley, California

Hamilton Research Center Upgrade, Bristol-Myers
Squibb
Hamilton, New Jersey

Syntex (USA) Inc. Syva Evergreen Campus
San Jose, California

College of the Holy Cross, Science Center Addition
Worcester, Massachusetts

Sidney Kimmel Cancer Center Bldg 3
San Diego, California

Alcatel-Lucent Technologies, Inc.
North Andover, Massachusetts

University of Alabama, Tom Beville Energy,
Mineral & Material Science Research Building
Tuscaloosa, Alabama

Boston Scientific Building 55B
Santa Clarita, California

Clean Room / Module Expansion
Chandler, Arizona

Stanford University, Beckman Center for Molecular
and Genetic Medicine
Stanford, California

Birmingham-Southern College, Phillips Science
Renovation
Birmingham, Alabama

Raytheon Company Research Laboratory
Lexington, Massachusetts

San Jose State University, Engineering Building
San Jose, California

The University of the South, Spencer Hall
Sewanee, Tennessee

Access Natrilite QA/QC Laboratory
Buena Park, California

University of Alabama, Scientific Collections
Building
Tuscaloosa, Alabama

Applied Color System, Inc.
Lawrenceville, New Jersey

Hitachi, Yerba Buena Research Center
San Jose, California

University of California Berkeley, Life Science
Building Renovation
Berkeley, California

College of the Holy Cross, O'Neil Hall Renovation
Worcester, Massachusetts

Samford University, Russell Hall Renovation
Birmingham, Alabama

BioMed Realty, Sorrento West Exterior Upgrades and
Spec Labs
San Diego, California

University of San Diego, Donald P. Shiley Center
for Science and Technology
San Diego, California

Quest Diagnostics West Hills Facility
West Hills, California



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About Tutor Perini Corporation

Tutor Perini Corporation is a leading building and civil construction company offering diversified general contracting and design-build services to private clients and public agencies. The Company has provided construction services since 1894 and has established a strong reputation within our markets by executing large complex projects on time and within budget while adhering to strict quality control measures.

Tutor Perini Corporation offers general contracting, preconstruction planning and comprehensive project management services, including the planning and scheduling of the manpower, equipment, materials and subcontractors required for a project. We also offer self-performed construction services including excavation, concrete forming and placement, steel erection, electrical and mechanical services, plumbing and HVAC.

Core competencies and resources enable the Tutor Perini Building Group to meet the needs of specialized niche markets. Our building operations focus on large, complex projects with aggressive schedules in the sports, hospitality and gaming, transportation, healthcare, education, corrections and government markets.



The Building Group's Operations include Anderson Companies, James A. Cummings, Inc., Keating Building Company, Rudolph and Sletten, Inc., and Tutor Perini Building Corp. Prior to September 2008, the building entities were wholly-owned subsidiaries of Perini Corporation, a 118-year-old publicly held company. On September 8, 2008, Perini Corporation completed a merger with Tutor-Saliba Corporation. Today, Tutor Perini Corporation is traded on the New York Stock Exchange. Capitalizing on core strengths, Tutor Perini provides the individual building companies enhanced opportunities for growth through increased size, scale and management capabilities; immediate access to multiple geographic regions; and increased bonding capacity.



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