

Target

Target presented Gausman & Moore with the Partner Award of Excellence in 2005. This award recognizes "innovative leadership, superior business practices and commitment to our (Target) core strategies of Differentiation, Value and Reliability". Gausman & Moore has consistently ensured that the Target brand is present in the engineering of 725 stores in 43 states.

Our Target program consists of mechanical, electrical, plumbing, and refrigeration engineering services for prototype adaptation for new store construction as well as the remodeling and expansions of existing buildings. Demonstrating our flexibility, we have successfully completed these projects with seven different national architectural consulting firms and with Target's in-house team. Unique projects include multi-level stores, stores with parking below, stores with parking above, and stores on the third level of a multi-tenant and parking structure.

District office additions, food service remodels, offsite warehouses, clinic spaces, and photo studios are just a sampling of the special projects we have completed for Target. Over the last three years, the Gausman & Moore team has visited 451 stores to certify that Target is using energy efficient lighting. This allows Target to take advantage of the tax incentives associated with the Energy Policy Act of 2005.

Gausman & Moore is proud to have been a design partner of Target for thirteen years.

Region: Nationwide; Up to 190,000 sq.ft.



Lifestyle Centers

Mechanical, electrical, plumbing, and site lighting design for new and remodel lifestyle centers across the country. Often our major retail clients are anchor tenants, and we design many of the tenant improvement fitouts.

Region: Nationwide; 4+ million GSF



Fred Meyer

Mechanical, electrical, and plumbing design services for new prototype stores, tenant improvements, and major remodeling of existing stores were provided. The stores included complete grocery department and non food departments including: apparel, sporting goods, toys, pharmacy, photo, electronics, music and automotive center. During spring and summer, there is an outdoor attached garden center. The Redmond, Washington store design was completed in two phases with separate shell permits and tenant improvement permits.

Region: Alaska, North and Southwest; 127,000-240,000 GSF



Walgreens

Mechanical, electrical, plumbing, and site lighting design services were provided for over 60 stores in five western states.

Region: West Coast; 15,000 GSF



WinCo Foods

Mechanical, electrical, and plumbing design services for connections to food service, kitchen and refrigeration equipment based on Owner-supplied manufacturer's cut sheets showing equipment requirements. WinCo has over 50 stores in five states, with distribution centers in Oregon and California.

Region: West Coast; 93,000 GSF



University of Minnesota Labovitz School of Business and Economics

Duluth, Minnesota

Located in the northeast corner of the UMD campus, the Labovitz School of Business and Economics is a 3-story, plus partial basement building consisting of instruction classrooms, administration offices and faculty office suites for each of the School's four disciplines: Accounting, Finance/MIS, Management and Economics.



The building's bent bar configuration connects into the existing campus circulation system between the Library and Library Annex building and is oriented with its long facades facing north and south to maximize daylighting potential and solar control. The design is organized around a 3-story, skylit commons area surrounded by a two-level administration block, a large 150 seat auditorium and a rotated instructional wing, also on two levels, which contains classrooms for 40 to 60 students.

Gausman & Moore provided complete mechanical, electrical and plumbing systems design in compliance with the State of Minnesota Sustainable Building Guidelines. Building utilities are served from the campus infrastructure including HP steam, chilled water loop, a dual 13.8 kv parallel loop feeder system, and copper/fiber backbone telecommunications system.

This was the first public higher education building in Minnesota certified for Leadership in Energy and Environmental Design (LEED®) by the U.S. Green Building Council. Project was awarded LEED® Gold Certification status.

University of Minnesota Weber Music Performance Hall

Duluth, Minnesota

Gausman & Moore designed the mechanical, electrical, and plumbing systems for this Cesar Pelli designed state of the art music performance hall, seating for 300. The acoustical design criteria impacted the ventilation system and electrical systems. The building is fed by campus utility systems for steam, chilled water, compressed air, power and communication. Medium voltage transformer/switch vault was reconstructed to provide service power to both existing campus buildings and new Performance Hall.



University of Minnesota Bagley Nature Pavilion

Duluth, Minnesota

Mechanical and electrical systems were designed for this 1,400 GSF outdoor classroom. The photovoltaic (PV) system consists of twenty-eight 200-watt Sanyo HIT panels tied to the utility grid via a 6000w automatic voltage sensing inverter with integral four string DC disconnect switch. A Sunnyboy WebBox allows the owner to monitor the system power production. Monitoring can be accomplished either via the internet or directly through the campus network system. Based on solar modeling, this system will produce power an average of 4.5 hours a day over the course of a year and generate approximately 7840 kwh annually.



Additional sustainable systems include instantaneous electric hot water boiler, air-to-air heat exchanger, composting toilets, low flow lavatories, daylight harvesting, and individual branch circuit metering to facilitate energy usage analysis.

Project is registered for LEED® Platinum Certification.

Business / Communications Center Santa Barbara City College

Santa Barbara, California

The Humanities complex consists of a series of buildings grouped around large and small sheltered courtyards. The 22,395 GSF 100-seat forum is a round structure designed for lectures and small musical performances. State-of-the-art lighting, control, and voice data networks yielded a fully functional and educational facility. Estimated construction cost \$4 million.



Evergreen Valley College Biology / Nursing Building

San Jose, California

This 26,773 GSF Main Building, houses 5 laboratories for Biological Science and 4 Nursing Laboratories, Prep. Areas, Offices and a Science Museum. There is a bridge connection to the existing Science Building. The project additionally includes a 6,072 GSF Lecture Hall Building. Lighting design, automation and desktop voice data design was provided. Construction cost including site work was \$12 million.



Minnesota State University Projects

Mankato, Minnesota

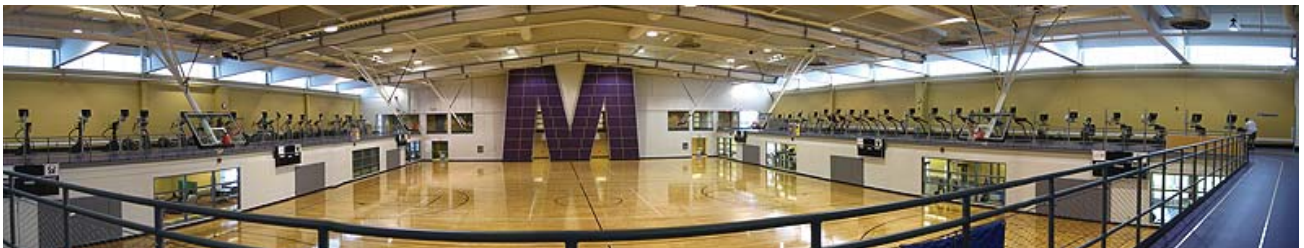
Student Athletic Facility Addition and Remodel Phase I Myers Field House

– This new 82,300 sq.ft. facility includes an NCAA-size track, baseball and softball batting cages, and intramural basketball and tennis courts. Heating, ventilation, and air conditioning engineering services included integrating with and extending the campus chilled water and high pressure steam distribution systems into the building. Electrical engineering services included lighting, power and controls to the many basketball backboards and batting cages, divider curtains, controls for timing and scoring equipment, and extending the campus medium voltage feeder into the building. Our scope of work included providing an interface between the Myers Field House fire alarm system and the campus-wide system.



Phase II Highland Center and Highland North – Renovation of Highland Center and Highland North provided upgrades to locker rooms and offices. The addition of a common space that ties Highland Center, Highland North, and Myers Field House. Classrooms, concession spaces, and student lounges provide a flexible space to serve the diverse requirements of the three facilities. Mechanical and electrical systems required close coordination to interconnect among the three facilities.

Phase III Otto Recreation Center – An \$8.4 million remodeling converted the building's primary function to that of a Fitness Center. The remodel replaced a dated basketball arena with a modern student Fitness Center. Students are drawn to Otto Recreation Center for the running track and exercise equipment. Creative thinking during design allowed the signature purple "M" on the east end of Otto to serve as a return air plenum for the ventilation system in the facility. Included in the project were upgrades to the campus swimming pool. New lighting, HVAC, and pool water systems brought the pool in to compliance with current building codes and standards.



Minnesota State University Centennial Student Union Game Room Renovation

Mankato, Minnesota

MSU Mankato had a need to make the student union a more inviting place for students to socialize. This project included the remodel of the billiards room, lounge, and activities desk. Gausman & Moore engineered revisions to the heating and cooling systems for a comfortable environment. Decorative wall sconces added character and color to the lounge. Dimmable lighting enabled the students to soften the mood while they visited or increase the lighting for reading. Low floor to structure heights on the basement level added to the challenge of routing ductwork and piping while maintaining a high ceiling. Creative design ideas combined with sound engineering practices resulted in a fresh, comfortable, and flexible space for the students to relax from their hectic schedules.



Santa Barbara City College School of Media Arts

Santa Barbara, California

Electrical and data design is being provided on this new 65,000 GSF state-of-the-art building that will facilitate one of the most advanced and prestigious digital arts programs in the country. We are also providing a premium level integrated cabling system and network hardware to accommodate the complex technology requirements of this project, which includes photography studios, digital darkrooms and print labs, a 160-seat film exhibition theater and lecture hall, a sound stage, television and audio broadcast studios, a CAD studio, and a journalism newsroom. SoMA's new facility will be a showcase not only for the campus but for the Santa Barbara community which will be allowed to use the theater and lecture hall. SBCC SoMA is pursuing LEED® Silver certification.



Minneapolis Public Schools Burroughs School

Minneapolis, Minnesota

New elementary school. Gausman & Moore designed the mechanical, electrical, and plumbing systems for the school, including energy efficient daylighting control; and energy efficient ventilation systems utilizing air and chilled water heat recovery, carbon dioxide monitored air quality control, and automated energy management occupied/unoccupied HVAC unit and space control.



*Photos by Edward J. Kodet, Jr., FAIA.
Kodet Architectural Group, Ltd., Architect of Record*

The Regatta

The Regatta is a high-tech, luxury and residential tower. It features 224 condominium units in its 20 stories. After its opening, it was an immediate success, and serves as a catalyst for renewed development of the area.

The building was a winner of two Gold Nugget Merit Awards in 2001.

Marina Del Rey, California



Hyatt Regency Century Plaza

The Hyatt Century Plaza Hotel remodel was a multi-phased project. The project consisted of relocation of the hotel main lobby front desk, addition of a Valet station, addition and remodeling of conference rooms and remodeling for the award winning X bar lounge and restaurant.

The X-bar lounge and restaurant consisted of remodeling the ground level hotel lobby and office space with the new lounge and bar area and a full service kitchen. The project also included an exterior patio lounge area where patrons can enjoy the open air nightlife of Southern California. Gausman & Moore provided MEP engineering design services.

Los Angeles, California



Madame Tussauds Hollywood

The world famous Madame Tussauds on Hollywood Boulevard is an interactive wax attraction containing replicas of famous celebrities from around the world. The three-story, 40,000 sq.ft. building with subterranean parking is next to the historic Grauman's Chinese Theatre. With a construction budget of about \$55 million, Gausman & Moore completed the electrical design for the shell and tenant improvement phases. This required custom design and coordination of all systems including theatrical lighting, specialized low-voltage controls for the wax figures, audio-video, security access control, CCTV, and all other power and low voltage systems throughout the building.

Hollywood, California



Duluth Entertainment and Convention Center Harbor Side Addition

Duluth, Minnesota

Gausman & Moore provided complete mechanical, electrical, and plumbing design including lighting and sound system design. A 12,000 GSF Ballroom overlooks the harbor with additional meeting space and a preparation kitchen on the second level and retail shop on the street level. The project required relocation of cooling, fire protection and ventilation equipment that served the existing building.



El Capitan Theater

Hollywood, California

This 1926 era movie palace, was restored in great detail. Electrical engineering design included new L.A.D.W.P. substation, installation of theatrical lighting and sound system, and restoration of a 150 HP organ blower system.

This project won the Electrical Excellence Award from NECA.



Cloquet Community Memorial Hospital

Cloquet, Minnesota

Project Size: Phase I - 55,000 GSF addition

Phase 1 addition included emergency room urgent care, operating suite and post operating recovery rooms, x-ray suites and new lab area. Phase 1 included complete campus infrastructure upgrades of power, emergency power.

Phase 2, presently in planning phase, has an estimated cost of \$2,000,000. This phase will include specialty clinic, ICU, and support areas addition and remodeling.



Hennepin County Medical Center

Minneapolis, Minnesota

Project included an addition to the emergency department, and complete renovation of all areas of the existing emergency department. All new HVAC, plumbing and electrical systems were provided. This project included an emergency generator for emergency lighting, exit lighting, and fire alarm systems, as well as critical/life support systems.



Lifetouch, Inc.

This 4-story corporate headquarters building includes an open office plan and computer / data center for all national offices. Mechanical systems included large hot water heated and DX cooled walk-in rooftop units, complete fire protection sprinklering, direct digital temperature controls; and dry chemical fire protection system and dedicated modular cooling system for computer / data center. Electrical systems included natural gas generator, UPS, and electronic grade power conditioning for the computer / data center.

Eden Prairie, Minnesota



World Jewelry Center

"The World Jewelry Center, with approximately one million square feet of mixed-use space, will be one of the largest jewelry hubs on the planet..."

The new Center will combine the corporate offices of domestic and international gem and jewelry companies in an iconic, state-of-the-art trade tower adjacent to a spectacular free standing gallery of retail jewelry stores with broad market appeal. The mixed-use project will also feature a world-class museum, exhibition space, and exclusive luxury residential condominiums. Designed to house manufacturers, dealers, wholesalers, and retailers, the World Jewelry Center is poised to revolutionize the global jewelry industry and become a progressive business focal point for international trade and commerce."

Gausman & Moore is providing electrical and voice/data engineering for both the base building and tenant infill.

Las Vegas, Nevada



Stadium Gateway Anaheim

260,000 GSF Class A office building. This building was designed to accommodate the expanding technological requirements of today's companies, and to provide state-of-the-art data and telecommunications capabilities including fiber optic cable. The building's environment was designed to incorporate the most advanced security and HVAC systems. There is also an individually programmable card key for after hours access.

Anaheim, California



Stadium Towers Plaza II

Anaheim, California

This is the second Stadium Tower with the inclusion of this tower, the two complexes will total over 500,000 GSF of premium space in its twin twelve-story towers. Stadium Towers II was designed to accommodate the sophisticated technological requirements of today's growing businesses, and have available high-speed fiber optic cable, satellite and a wide range of telecommunication services. There is covered parking with additional surface parking, state-of-the-art HVAC and energy management systems, on-site café, travel agency, bank and on site conference center with video conferencing capability.



UnitedHealth Group

Various Locations

Tenant Infills were provided at various locations, including Tucson, Arizona; Long Beach, California; Orlando, Florida; Indianapolis, Indiana; Baltimore, Maryland; Bethesda, Maryland; Utica, New York; Cleveland, Ohio; Columbia, South Carolina; Plano, Texas; San Antonio, Texas; Reston, Virginia; and an Emergency Power Study.



Riverside Regional Pet Center (BENCHS)

Mankato, Minnesota

New 6,500 sq.ft. animal humane society facility. The facility is registered as a LEED® Gold project through the use of a high performance envelope, geo-source heat pump for chilled water and high efficiency condensing boilers for heating. The facility will also utilize high efficiency lighting, day lighting controls, and an 8.5KW photovoltaic system to also help in reducing the overall building energy usage. Low flow plumbing fixtures will be used to reduce the water usage of the building.



Photo compliments of Paulsen Architects

U.S. Army Corps of Engineers

Nationwide

Gausman & Moore has designed U.S. Army Corps of Engineers (USACE) training facilities using sustainable design principles for mechanical and electrical systems. The designed systems met or exceeded the mandated USACE sustainability SPIRiT Ratings (sustainable project rating tool). Gausman & Moore has completed 33 SPIRiT/LEED rated projects.

Army Reserve Centers and Armed Forces Reserve Centers include Armorer's Room, Arms Vaults, Arms Repair, and Secure Storage rooms.

Gray Army Airfield (GAAF) / United States Army Reserve Center / OMS / UHS

Fort Lewis, Washington

Mechanical and electrical systems were designed for a 59,057 GSF helicopter Aviation Support Facility (ASF), a 26,809 GSF two-story Training Building, a 3,768 GSF Organizational Maintenance Shop Building (OMS), and a 1,070 GSF Unheated Storage Building. The design included Anti Terrorism Force Protection (ATFP). The project received a Bronze SPIRiT sustainable project rating.



Photo provided by RSP Architects

Mechanical systems included infrared heating and CO monitor controlled life safety ventilation exhaust and makeup air for helicopter and vehicle maintenance bays; hot water boilers with primary/secondary pumping; air handling units with hot water coils; and DDC controls. Buildings were fully sprinklered. An Aqueous Film-Forming Foam (AFFF) fire suppression system and associated fire pump were designed for helicopter maintenance bays.

Electrical systems included exterior high voltage distribution; interior low voltage services and distribution; 400HZ aircraft power conversion and distribution system; aviation lighting, site lighting, and interior lighting; emergency lighting central inverter system; fire alarm system; outside plant copper and fiber optic cabling, premises data distribution cabling, telephone system, fire alarm system, mass notification system, cathodic protection, lightning protection, and special grounding systems.

Hennepin County – Eden Prairie Library

Eden Prairie, Minnesota

40,000 GSF library, 6,000 GSF Tenant Lease Space. Gausman & Moore designed mechanical, electrical, and plumbing systems for this library. The library was an adaptive reuse of a grocery store. Mechanical systems included boilers, air handling units, a chiller, and complete plumbing and fire protection. Electrical systems include power, lights, and communication. The building was used as a fuel cell demonstration project. A fuel cell converts natural gas to chemical energy which produces electrical energy and clean water.



Hennepin County – Hopkins Library

Hopkins, Minnesota

Renovation and remodeling of existing library. Gausman & Moore provided complete renovation of existing mechanical systems including new variable air volume air handling unit; variable volume terminal unit; variable flow primary/secondary hot water circulating system and DDC controls. Electrical systems included new lighting and fire alarm systems.



Hennepin County Brookdale Government Service Center

Brooklyn Center, Minnesota

A library, secured courtrooms, secured lawyer/client conference rooms, holding cells, secured sally port, secured weapons vault, licensing center, and social services offices were all included in this renovation and addition. The library included an automated material handling system, motorized window shades to control glare, custom decorative lighting, and decorative fiber optic lighting.



The design team delivered a building in compliance with the State of Minnesota Sustainable Building Guide. To do so, sustainable technologies such as building reuse/recycle, daylight harvesting, and energy saving lighting controls. CO2 sensors in the occupied spaces maintain indoor air quality. Energy consumption was modeled using Xcel Energy Assets computer program.

Bet Shalom Synagogue

Minnetonka, Minnesota

This new synagogue features a spiral shaped configuration with a three story structure as its central core and sanctuary. In addition to a worship space, the building includes office, classrooms, meeting spaces, and a library. Gausman & Moore designed the complete mechanical, electrical, and plumbing systems and included fire alarm and smoke evacuation.



Target Technology Center

Minneapolis, Minnesota

A 100% capacity increase to the electrical and mechanical systems for an existing data center. The generator system increased from three 2000K units to six 2000K units. The UPS system increased from three 800K modules to eight 800K modules. The design had to accommodate the connection of additional equipment to a live critical data center.



Annapolis Towne Center

Annapolis, Maryland

Mechanical and electrical shell building design services for this new unique three-level store with retail tenant spaces and parking levels below the Target level. Special design aspects included parking ventilation, vertical transportation, and smoke control system. The Target store is 140,000 sq.ft. The building complex is 400,000 sq.ft., which includes the parking ramp on the middle and 1/3 lower levels.



West Creek LA County Park and Main Recreational Building

Santa Clarita, California

West Creek recreation centers provide resort-style amenities for the residents of West Creek homes, which is a master planned community for 2,300 homes. The center's amenities include neighborhood retail center, fire station, an elementary and junior high school, swimming pool, and spas. Gausman & Moore provided electrical engineering design services for the power distribution systems, landscape lighting, pedestrian and parking lighting, power connection to water features, pool, and spas, and power for stage events and restroom buildings.



Vincent Lugo Park

San Gabriel, California

This community park is commonly known to the locals as the Monster Park because of the park's arrays of concrete dinosaurs and sea monsters that seemingly rise out of the sand. The park's facility features a baseball field, a wading pool, and water fountains. Gausman & Moore provided electrical engineering design for new power and telephone services for the entire park. The design included demolition of the existing baseball field sports lights and existing utility company's services. This included power and controls design of the new sports light fixtures for the baseball diamond using energy efficient luminaires. Provisions for future parking lot and pedestrian walkway lighting, and future athletic field sports lighting were designed.



Cottage Grove Ice Arena

Cottage Grove, Minnesota

Mechanical and electrical systems were engineered for this new 36,000 square foot ice rink. Seating for 300 spectators, team locker rooms, figure skating warm-up area, resurfacing room, conference rooms, and storage rooms.



Arrowhead Electric Co-op

Lutsen, Minnesota

The existing office and maintenance facility, including mechanical, electrical, and plumbing systems, were totally renovated. An addition expanded the office space. A “member showcase” area is used to demonstrate renewable energy and energy saving technologies that were integrated into the building.

Renewable energy systems included in the project are: daylighting, natural ventilation, solar domestic hot water, photovoltaics, and geothermal heat pumps. One geothermal heat pump system heats the building slab and a second heats the ventilation air which is preheated using a heat recovery system. The natural ventilation system takes advantage of the building’s close proximity to Lake Superior, which provides cool summer breezes.



Project is registered for LEED® Gold Certification.

Experience with renewable energy, sustainability, & energy conservation:

- One LEED® Gold certified project
- Over 50 sustainable design projects, as well as LEED® Registered or Certified, Silver, Gold, and Platinum projects
- Three Net-Zero Energy Buildings
- LEED® Accredited Professionals, mechanical and electrical
- Gausman & Moore is a founding firm of the USGBC Minnesota Chapter
- Founding board member and past president U.S. Green Building Council (USGBC) Minnesota Chapter
- Two past Chairmen of the Minnesota Renewable Energy Society
- Past Chair of Consulting Engineers Council Minnesota Chapter Energy Committee
- Corresponding member of ASHRAE T.C.2.8 Sustainability
- Founding Co-Chair of ASHRAE Minnesota Chapter Sustainable Design Committee.
- Member of international team developing the State of Minnesota Sustainable Building Guidelines, part of the Buildings, Benchmarks and Beyond (B3) Project
- Design award for active solar energy system
- Design of photovoltaic power system for the demonstration project for Saint Paul Public Schools
- Design of fuel cell for the demonstration project for Hennepin County Eden Prairie Library
- Member Dakota County Technical College’s Executive Steering Committee implementing the American College & University Presidents Climate Commitment