

RECREATION

Project Experience

Aquatic Center Project Experience

Various Locations

■ City of San Fernando Aquatic Center - New state-of-the-art aquatic center including 50 meter competition pool and children splash area including water slide; committee rooms, office space and support facilities. Design included new utilities for power and telephone, a 75 KW gas-fired cogeneration unit to offset utility costs, lighting to support NCAA level televised water polo and swim meets, indoor and outdoor lighting, and low voltage systems.



San Fernando Aquatic Center

■ Santa Barbara High School Water Polo Pool - Design of replacement pool for the high school. Specialty lighting for pool polo competition sports required precession lighting control to avoid light spill to adjoining residential neighborhoods. The design included fire alarm, and required Division of State Architect approval.



Ventura Aquatic Center

■ Ventura Aquatic Center, Ventura, California - New state-of-the-art aquatic center with a 50 meter competition pool and children splash area including water slide. Design included new utilities for power and telephone, fire alarm, security systems, and lighting. Project included Division of State Architect approval and was designed to LEED® certification standards.

■ Water Polo Pepperdine University venue for the 1984 Olympics: Design of a portable lighting system to support national television broadcast. Design included working with the Olympic Committee, the local utility, and campus facilities engineering department to bring needed additional power to support the event.

■ Belmont Plaza Historical Olympic Pool, Long Beach, California - An evaluation of the existing mechanical, electrical, and plumbing systems was performed. This evaluation was necessary to formulate a budget for the complete restoration and expansion (using modern materials and equipment) of this historically significant project. Project is on hold until funding is available.

Canal Park Lodge

Duluth, Minnesota

Electrical Design/Build services were provided for this new 76,000 sq.ft., 116 room hotel with indoor swimming pool.



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Target Center Arena

Minneapolis, Minnesota

This project includes an 18,000 seat sports arena, a two level health club, and a restaurant on the second floor. The arena is used for basketball, hockey, concerts, and recreational events.

The health club has a workout area/track overlooking the gymnasiums and racquetball courts. The swimming pool and locker rooms are beneath the courts.

Communication systems were designed for the projection of national sporting events. A smoke control system was designed utilizing air handling systems normally used for air conditioning.

This project included an emergency generator for emergency lighting, exit lighting, fire protection and fire alarm systems.



Mankato 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.

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University of Minnesota Ridder Arena and Baseline Tennis Center

Minneapolis, Minnesota

The Women's Ice Hockey Arena includes an NHL-size ice sheet, seating for 3,000 spectators, locker rooms, training rooms, coaches rooms, and equipment storage rooms; in addition to support spaces for concessions, merchandise sales, restrooms and building services. The Tennis Center includes 10 indoor and 8 outdoor courts, seating for 450 spectators, locker and training rooms, and support spaces.

Gausman & Moore designed mechanical systems included heating and cooling from campus central steam and chilled water systems; desiccant dehumidification for the ice arena; and HVAC, fire protection, and plumbing systems.

Gausman & Moore designed electrical systems included power, distribution and lighting, and lighting for TV broadcasting in both the ice arena and tennis center.



Cottage Grove Ice Arena

Cottage Grove, Minnesota

Gausman & Moore designed the mechanical and electrical systems 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.



Ice Midwest

Overland Park, Kansas

Ice Midwest provides first class skating opportunities for the hockey and figure skating communities in the greater Kansas City area. Located in Overland Park, Kansas, this ice facility is one component of a larger retail and office development complex. The space includes two NHL-size ice sheets, one studio rink, a pro shop, club room, aerobics and ballet room, skate rental and changing area, and 6,800 square feet of lease space. The facility also provides space for community recreation, sport camps and a home for organized skating clubs and leagues.



R E C R E A T I O N

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Rosemount National Guard Armory/Community Center/Ice Arena

Rosemount, Minnesota

This complex incorporated a National Guard Armory, the local community center, and an ice arena. This complete all around facility includes an indoor gun range, assembly hall, a lecture hall, commercial kitchens, banquet hall, locker rooms, a large amount of office space and classrooms, band and choir areas and a 1,000 seat combination ice arena/exhibition center.



Waconia Ice Arena

Waconia, Minnesota

Gausman & Moore designed the mechanical and electrical systems for this new 40,000 square foot ice rink. Seating for 600 spectators, team locker rooms, concessions, and storage rooms.



Chaska Community Center

Chaska, Minnesota

Gausman & Moore designed mechanical and electrical systems for the performing arts and visual arts facility and community gathering theater, stage, dressing rooms, and offices. The Chaska Community Center is a large complex located atop a bluff overlooking the Minnesota River Valley. The center includes an ice arena, gymnasiums, racquetball courts and community multi-purpose and meeting rooms, fitness center, and community arts center. The arts center contains a 240-seat performance theater, gallery space, childcare area, café and dining terrace.



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Crystal Community Center

This community center includes three gyms, a senior center, a kitchen, multipurpose rooms, office area, and a crafts room. The center has air cooled condensing units, two variable air handlers, one multiple zone air handler, and hot water boiler heating system with baseboard radiation.

Chaska, Minnesota



Inver Grove Heights Veterans Community Center

This new facility in Inver Grove Heights, the Veterans Memorial Community Center, is a multipurpose facility including a community center, two ice sheets, and a leisure pool with water slides, multiple play features, zero-depth entry, and spa. The competition pools include an eight-lane lap pool, diving well and spectator seating for over 300 people. The remaining area includes an indoor running track, racquetball courts, a fitness center, party rooms, saunas, sundeck and locker rooms.

Inver Grove Heights, Minnesota



Maplewood Community Center

Mechanical and electrical systems were designed for this project which included: exercise rooms (with track), performing arts theater, a kitchen, banquet area, gymnasium, a leisure pool (with slide), lap pool, therapeutic pools, administration offices and child care facilities.

Maplewood, Minnesota



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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, on this beautiful 16.8-acre park, 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.



Enger Tower Lighting

Duluth, Minnesota

Electrical engineering services are being provided for the restoration of this 1939, eight-sided historical landmark tower that overlooks the City of Duluth and Lake Superior.



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.



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Riverfront Park

Mankato, Minnesota

Electrical design services were provided for the redevelopment of an industrial site next to the river into a City park. The park consists of an amphitheater, pavilion, picnic area, and hiking trails. The Amphitheater consists of a large stage that can handle professional performances with seating for 2,000 spectators. The electrical system designed for this stage is similar to a civic center arena. Landscape and site lighting services were also provided. Construction to be completed summer of 2009.

11.64 acres on the Minnesota River

Enclosed shelter 1,300 sq.ft.; Open Shelter of 1,400 sq.ft.



Santa Monica Airport Park

Santa Monica, California

Gausman & Moore provided electrical engineering services for sports field lighting, electrical distribution systems, landscape lighting, power and controls, pedestrian lighting, parking lighting, and restroom buildings.



Baker Park Reserve, Three Rivers Park District Shower Building #2 Upgrade

Maple Plain, Minnesota

Mechanical and electrical design services were provided for a remodel and 530 square foot addition to an existing 740 square feet regional park shower facility. Design included a heating and cooling system using an electric furnace with a DX coil and remote condensing unit, which extended the usable season and added humidity control of this previously unconditioned building. Ventilation was increased to meet code. Exterior dishwashing stations and a combination drinking fountain/jug filler with associated drain-downs were added. New men's and women's toilets with increased fixture counts were added, along with a family toilet with water closet, lavatory and shower.

New exterior lighting was provided and interior lighting was replaced with energy efficient fixtures and daylighting sensors.

Construction to be completed summer 2009.

