Proposal for Professional Conceptual Design Services

APlex Expansion – Pool Facilities

March 31, 2023

Mary Catherine Hannah — County Administrator
County of Alpena
720 W Chisholm Street, Suite 7
Alpena, MI 49707

c2ae Stantec

Let’s create ahead.

c2ae

March 31, 2023

To Mary Catherine Hannah and the Selection Committee:

On behalf of C2AE, Stantec Architecture, and Bill Robertson Pool Design, thank you for investing your time to review our team's qualifications for the first phase of this historic renovation.

We have crafted this response to demonstrate not only our professional qualifications and experience, but also express our desire to further develop relationships and a vested interest in Alpena County. Our qualified team is committed to handling the heavy lifting for the County by taking the lead on design and delivery of a world-class community-centric recreation center and MHSAA/USA Swimming-certified natatorium. We are confident that the region will be engaged in the proposed design process and continue the legacy of the Park Family Foundation and Besser Company with this inspiring renovation and proposed expansion at 701 Woodward Avenue.

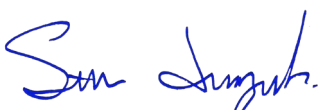
Our team brings experience on countless meaningful community engagement sessions and numerous pool facility design projects in Michigan. We understand how crucial it is for the selection committee to choose a partner that they not only trust, but one that understands the importance of listening to the community and translating its wants and needs into a conceptual site plan that prioritizes safety, functionality, and accessibility. The critical task of developing a final product that addresses and fosters the sporting, recreation, rehabilitation, and special events needs of future generations was well articulated during our recent site visit to the APlex campus.

We are ready to assess the existing APlex facility, engage the community in meaningful ways, develop conceptual designs for the site, and prepare cost opinions for this project on or before November 10, 2023. It is the hope of this team that our relationship does not end after this first phase. We are committed to partnering with APlex stakeholders throughout all phases of this project, including offering examples of business models that address operations and maintenance of the facility, ensuring long-term success and community support.

As your project manager, I will serve as your main point of contact throughout this project. I am authorized to bind C2AE. I can be reached through any of the following avenues, and I take pride in being accessible:

50 Louis NW Suite 200, Grand Rapids, MI 49503
Direct Dial: 616.389.2647 | Mobile: 616.299.1142
Email: steve.jurczuk@c2ae.com

Thank you for your consideration,
C2AE



Steve Jurczuk, AIA, LEED AP
Project Manager

Firm Profile

c2ae

C2AE IS AN ARCHITECTURE, ENGINEERING, AND INFRASTRUCTURE DESIGN FIRM WITH MORE THAN 50 YEARS OF EXPERIENCE IN THE MARKETS OF EDUCATION, HEALTHCARE, GOVERNMENT, AND MANUFACTURING.

C2AE is located in Michigan and New York. Since their founding in 1966, they have grown to seven offices throughout Michigan and in New York. Over the past 57 years, C2AE has expanded their services to encompass the growing needs of their clients and innovations in the field.

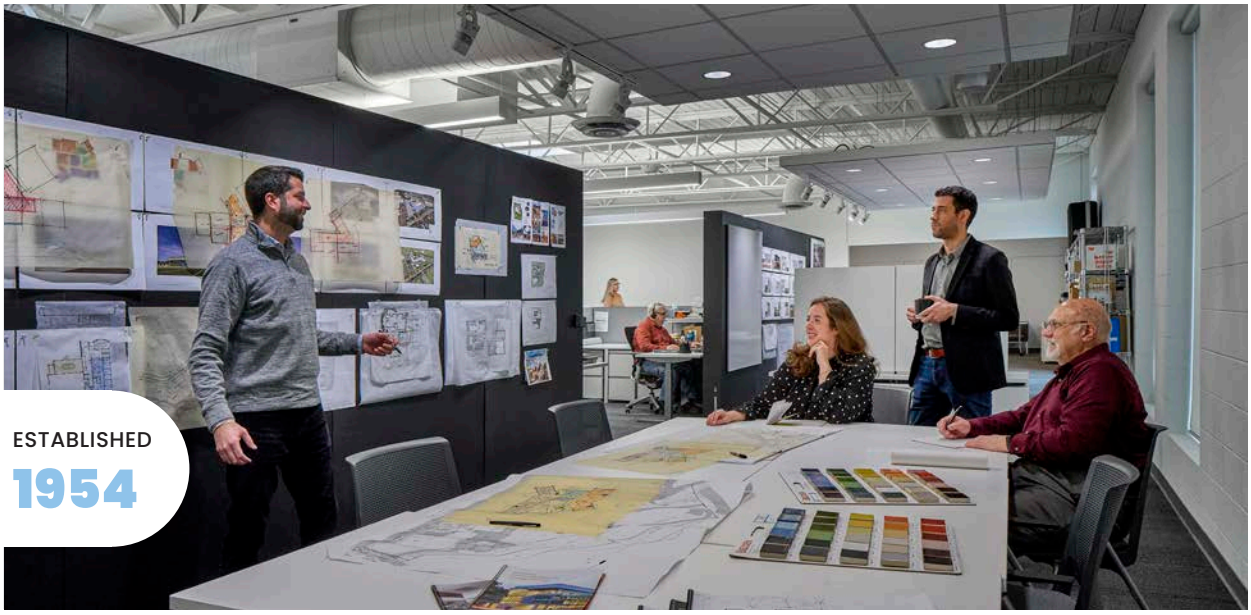
The majority of the work for this project will take place in C2AE's Lansing, Gaylord, and Grand Rapids, MI, offices. With a team of nearly 130 professionals, C2AE serves communities all over the region through a full suite of in-house services, including architecture, engineering, interior design, and landscape architecture.

As the world moves rapidly forward, C2AE is here to help you navigate the current with straightforward, impactful, and enduring solutions. Beginning with a highly personal approach, C2AE translates environmental and spatial challenges into graceful, practical possibilities.

Through underground infrastructure, surface transportation, buildings, or a harmonious combination of all C2AE offers, they are empowering the communities in which we live, work, and pass on to the next generation. They believe in going beyond the challenge at hand to envision the world to come.

Firm Profile

Stantec



STANTEC IS A RECOGNIZED INNOVATOR AND INDUSTRY LEADER, OFFERING A MULTIDISCIPLINARY TEAM OF EXPERIENCED PROFESSIONALS THAT PROVIDE CREATIVE, INTEGRATED AND SUSTAINABLE SOLUTIONS FOR OUR CLIENTS WITH SPECIFIC EXPERTISE IN A DIVERSE RANGE OF PROJECT TYPES.

Stantec Architecture Inc. is a privately-held corporation and a subsidiary of Stantec, Inc. Established in 1954, Stantec Inc. is a publicly traded corporation comprised of Stantec Architecture and Stantec Consulting Services.

Our community collaborates across disciplines and industries to bring buildings, energy and resource, environmental and infrastructure projects to life. Our Berkley, Michigan, office is where our proposed team members reside and where we will be performing the work for this project. Here is our address: 2338 Coolidge Highway, Suite 100, Berkley, Michigan, 48072.

Our work in architecture, interior design, engineering, landscape architecture, surveying, environmental sciences, construction services, project management and project economics—from initial project concept and planning through design, construction, commissioning, maintenance, decommissioning and remediation —begins at the intersection of community, creativity and client relationships.

Stantec has provided community and institutional project architectural design services for more than 50 years. Fundamental to our culture is the belief that great design comes from an opportunistic state of mind. We keep ourselves open to all the project inputs so that we can creatively take advantage of opportunities to economize a solution, tighten a schedule, and create a fantastic environment. All of these activities and outcomes drive our design culture.


PORTAGE NORTHERN NATATORIUM

Alpena County

- Steve Jurczuk
  Project Manager

• Scott Klaus	**Athletics Facility Designer**
• Travis Sage	**Design Principal/Planner**
• Brittany Walker	**Interior Designer**
• Caz Zalewski	**Engineering QA/QC**
•Mandy Marsh	**Structural Engineer**
•Eric Rantanen	**Mechanical Engineer**
• Matt Jarvi	**Electrical Engineer**
• Kevin Makarewicz	**Civil Engineer**
• Bill Robertson	**Aquatics Design & Engineering**

- C2AE
- Stantec Architecture, Inc.
- Bill Robertson Pool Design

When selected, our team will endeavor to use local contractors and products in future phases of this project.

STEVE JURCZUK

AIA, LEED AP

PROJECT MANAGER

In addition to his 27 years of experience as an architect and project manager, Steve has played an active role in his own community, with several years of experience as a captain of the Dorr Fire Department and a member of the Allegan County Board of Public Works. Through these positions, Steve brings valuable insight into municipal operations, from community consensus building to funding.

EDUCATION:

Bachelor of Architecture: Lawrence Technological University, 1995

Bachelor of Science, Architecture: Lawrence Technological University, 1994

CERTIFICATIONS:

Registered Architect: MI, NY, AL, IL, IN, KY, LA, MO, OH, SC, TN, TX, WI

LEED Accredited Professional, U.S. Green Building Council (USGBC)

MEMBERSHIPS:

American Institute of Architects

National Council of Architectural Registration Boards

RELEVANT EXPERIENCE

Portage Public Schools Central High School - New Natatorium
PORTAGE, MICHIGAN - Steve provided quality assurance review on the addition of a natatorium to the existing high school campus. The 12,000 SF structure houses an 11-lane pool, locker rooms, and seating. Utilities and lighting were both coordinated for the addition.

Grand Rapids Public Schools - New Southwest Community Campus Middle High School
GRAND RAPIDS, MICHIGAN - Steve was the project manager for the new, 75,000 SF LEED Silver-certified building, which features a dining area, kitchen, and gym with locker rooms on the first floor. After hours, the gym and kitchen remain open for community use while the rest of the facility is locked down.

Lansing School District - Eastern High School New Athletic Fields
LANSING, MICHIGAN - As project manager, Steve oversaw the design and construction of Eastern High School's new athletic fields as part of the school's relocation. The project includes a soccer, football, and track stadium along with tennis courts and a baseball field. Stadium seating, support facilities, concessions, home and visitor grand stands, and a new parking area complete the design.

Lansing School District - Eastern High School Renovation and Addition
LANSING, MICHIGAN - As project manager, Steve oversaw this building's transformation, which added an auxiliary gym, complete with bleacher seating, direct access to new fitness rooms, access to the athletic director's new office, and new locker rooms, which were converted from underutilized classrooms. The gym's windows are oriented to admit the most natural daylight possible for the space. The building's existing gym was restriped from the middle school standard of 84 ft. to the high school standard of 94 ft.

Hastings Area School System - Community Recreation Center
HASTINGS, MICHIGAN - Steve provided architectural services for the 64,000 SF community recreation center. This building includes a 25-meter stretch competition swimming and diving pool, gym, exercise rooms, community meeting rooms, teen center, community daycare facility, and various support spaces. The project added a new competition soccer field, eight tennis courts, and a resurfaced track, and parking.

SCOTT KLAUS

AIA, LEED AP, NCARB

ATHLETICS FACILITY DESIGNER

Scott has 20 years of experience in all aspects of the project delivery process. Throughout his career he has been involved with professional, collegiate, and high school athletic projects. Student athletics is his passion. Scott believes the athletic facilities we design provide a place for athletes to learn leadership skills, respect, discipline, self-esteem, and teamwork. He wants the athletes and spectators to have the best experience possible.

Scott strives to design attractive sport facilities that contribute to community pride and economic development. As a Senior Design Architect, he provides a collaborative design approach between the owner, community stakeholders, and project team. His passion for community athletic projects is reflected in the quality of work he produces. He is motivated to find the right solutions for every project that are better than preconceived notions.

EDUCATION:
Bachelor of Arts, Architecture, University of Kansas

CERTIFICATIONS:
Registered Architect: KS, TX

U.S. Green Building Council
LEED AP BD+C

MEMBERSHIPS:
American Institute of Architects

** Denotes work done at prior firm*

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Scott provided engineering services for the design of the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

New Caney Independent School - New District Natatorium
PORTER, TEXAS | As lead designer for the new district wide natatorium, this new competitive swimming, water polo, diving and aquatics facility is now a new community gathering place. The design which utilizes large curtain walls which expose the pool area to an exterior community courtyard. The distinctive design has made a positive impact on the users and community.

McKinney Independent School District - New Stadium
MCKINNEY, TEXAS | Stantec was selected to provide a transformational design solution. Serving three high schools within the McKinney Independent School District, the New Stadium brings together the larger community each week as up to 12,000 fans pour into the state-of-the-art bowl facility. The school district's football teams, soccer teams, and marching bands will all make the new stadium their home, and the modern facility offers plenty of space for large community gatherings, banquets, class reunions, and more.

Student Recreation and Wellness Center - Washburn University*
TOPEKA, KANSAS | Scott was one of the lead designers for the new Student Recreation and Wellness Center on the main campus of Washburn University. This new facility overlooks the football stadium and responds architecturally to the existing campus limestone vocabulary. The interior is a contemporary design of student-oriented facilities that encourage physical activity and wellness. The multi-level facility includes a rock climbing wall, outdoor running track and athletic field, gymnasium, fitness room, interior running track, aerobics rooms, locker rooms and offices.

Spring Independent School District - Stadium
HOUSTON, TEXAS | Scott lead the new District Stadium design which was part of the 2011 Bond Plan. The Bond included 26 Elementary, 7 Middle, 7 High School, Natatorium and Athletic Venues and support service buildings. The new stadium serves all High Schools and is designed with a programmable lighting and signage to create a customized experience depending on which team is playing.

TRAVIS SAGE

AIA, BECxP

DESIGN PRINCIPAL/PLANNER

Travis has more than 20 years of experience in all aspects of architecture and design, planning, project management, operations, and firm leadership. As Design Leader for our Detroit studio and as a prior owner of a specialty integrated design, sustainability and energy consulting firm, Travis has a unique understanding for planning efficiency and passive optimization of site and building design to maximize design performance. Particularly as Principal and Design Leader, Travis' focus is to ensure a quality client experience and tailored design solutions for each project that achieve the owner's vision while fulfilling the firm's mission to design with community in mind.

EDUCATION:
Master of Architecture, Lawrence Technological University

Bachelor of Science, Architecture, Lawrence Technological University

CERTIFICATIONS:
Registered Architect: MI, CO, CA, NM, IL

MEMBERSHIPS:
American Institute of Architects

** Denotes work done at prior firm*

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Travis provided design services for the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Portage Public Schools - Central High School Natatorium
PORTAGE, MICHIGAN - Scott provided design services on the addition of a natatorium to the existing high school campus. The 12,000 SF structure houses an 11-lane pool, locker rooms, and seating. Utilities and lighting were both coordinated for the addition.

Portage Public Schools - Northern High School Natatorium
PORTAGE, MICHIGAN - Scott provided design services for a new natatorium addition complete with an eight-lane competition swimming pool complete with a spectator mezzanine and spacious locker rooms.

Whitmore Lake High School and Community Pool*
WHITMORE LAKE, MICHIGAN | Travis was Project Designer for this new comprehensive high school building and community pool. He served as the lead project designer and was responsible for stakeholder engagement and design to include programming, planning, and all aspects of the architectural design. Developed the interior and exterior aesthetic designs and was responsible for all materials selection, elevation development, massing, plan layout and development.

Berkley Community Center
BERKLEY, MICHIGAN | Travis served as Project Director overseeing the management and design of the project. The project consists of conceptual design for a new community center for the City of Berkley to be utilized for secure of a public bond issue for the project.

BRITTANY WALKER

NCIDQ, LEED GA

INTERIOR DESIGNER

Brittany has designed and planned a significant number of athletic and recreation projects including Caledonia Community Schools and the Natatorium and Athletic facilities for both North and Central Middle schools at Portage Public Schools. She focuses on bringing human centered experiences to the spaces she creates. With a thoughtful approach to furniture, color, pattern, and scale, Brittany harmonizes historic and contemporary design elements to create innovative spaces.

EDUCATION:
Bachelor of Arts, Interior Design, Michigan State University

CERTIFICATIONS:
National Council for Interior Design Qualification

LEED Green Associate, U.S. Green Building Council

MEMBERSHIPS:
International Interior Design Association

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Brittany provided design services for the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Portage Public Schools - Central High School Natatorium
PORTAGE, MICHIGAN - Brittany provided design services on the addition of a natatorium to the existing high school campus. The 12,000 SF structure houses an 11-lane pool, locker rooms, and seating. Utilities and lighting were both coordinated for the addition.

Portage Public Schools - Northern High School Natatorium
PORTAGE, MICHIGAN - Brittany provided design services for a new natatorium addition complete with an eight-lane competition swimming pool complete with a spectator mezzanine and spacious locker rooms.

Oakland University - South Foundation Hall Renovation
ROCHESTER, MICHIGAN | In early 2019, Stantec was selected to provide comprehensive design and engineering services for the $40 million expansion and renovation of South Foundation Hall. One of the oldest buildings on campus, this building is home to core classrooms for incoming students. The existing 55,000 square foot building, built in 1959, will be renovated to upgrade and/or replace all mechanical and electrical systems, information technology, and audio-visual systems. A 40,000-square-foot addition will be built to further transform the building into a 21st century learning environment with technology-centered classroom and collaboration spaces.

Eastern Michigan University - Strong Hall Renovation & Addition
YPSILANTI, MICHIGAN | Eastern Michigan University's Strong Hall renovation and expansion project was a much-needed modernization of the third most-trafficked academic building on the university's campus. Built in 1957, it lacked the 21st-century accommodations today's students are accustomed to: social space, flexible learning environments, natural lighting and modern infrastructure. These lacking attributes became resounding objectives in planning and visioning for the building's transformation.

CAZ ZALEWSKI

PE, LEED AP, CPD

ENGINEERING QA/QC

Caz is an expert in mechanical systems design. He has more than 20 years of experience in technical engineering design, construction administration, commissioning, energy analysis, and system operation. He works closely with the project team to develop system options that consider energy efficiency, maintenance, operation, system longevity while balancing first costs and life cycle costs. He actively participates in all phases of design from conceptual design to construction documents and supports each project team through construction and operation.

EDUCATION:
Bachelor of Science, Mechanical Engineering, University of Detroit Mercy

CERTIFICATIONS:
Professional Engineer: MI

U.S. Green Building Council: LEED AP

MEMBERSHIPS:
American Society of Heating, Refrigeration & Air-Conditioning Engineers

American Society of Plumbing Engineers

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Caz provided engineering services for the design of the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Portage Public Schools - Central High School Natatorium
PORTAGE, MICHIGAN - Caz provided design services on the addition of a natatorium to the existing high school campus. The 12,000 SF structure houses an 11-lane pool, locker rooms, and seating. Utilities and lighting were both coordinated for the addition.

Portage Public Schools - Northern High School Natatorium
PORTAGE, MICHIGAN - Caz provided design services for a new natatorium addition complete with an eight-lane competition swimming pool complete with a spectator mezzanine and spacious locker rooms.

Bloomfield Hills School District - High School
BLOOMFIELD, MICHIGAN | Bloomfield Hills High School is a 350,000 SF building, which includes 233,000 new and 117,000 SF renovation of the existing building. The new Consolidated High School will enhance an entire new pedagogy featuring small technology-rich learning communities with a variety of learning spaces that encourage collaboration, student directed learning, project-based learning and interdisciplinary instruction.

Livonia Public Schools - 2013-2016 Bond Program
LIVONIA, MICHIGAN | Livonia Public Schools selected Stantec, to provide design services for additions and renovations to 6 Upper Elementary, Middle Schools and 3 High Schools over the next four years. All buildings will receive extensive interior remodeling, exterior envelope improvements, plumbing, HVAC and electrical upgrades. The three high schools will receive additions and upgrades to their performing arts facilities. Combined with new technology, these improvements will transform Livonia Public Schools to meet the demands of today's high tech, globally focused students.

Dearborn Public Schools - Bond Program
DEARBORN, MICHIGAN | Dearborn Public Schools selected the AE project team of Stantec for their 2013 - 2016 phased Bond Projects inclusive of Middle Schools, Intermediate and Elementary Schools. The projects included additions and renovations at River Oaks Elementary School, Geer Park Elementary School, Woodworth Middle School, and Bryant Middle School.

MANDY MARSH

PE, LEED AP

STRUCTURAL ENGINEER

Mandy has worked on buildings and structural systems for government, education, healthcare, and manufacturing clients. This array of experience makes her a valuable team resource for different structural systems design strategies.

EDUCATION:
Bachelor of Science, Civil Engineering, University of Michigan

CERTIFICATIONS:
Professional Engineer: MI - 2012, SC, NY

LEED® Accredited Professional w/ Specialty, U.S. Green Building Council (USGBC)

MEMBERSHIPS:
American Institute of Steel Construction (AISC)

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Structural engineer for the design of the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

City of Lansing - Gier Park Community Center Gym Expansion
LANSING, MICHIGAN | Structural engineer for the $800,000 expansion to the center's existing gym for additional square footage for two new basketball courts, a batting tunnel, and spectator seating.

Michigan DTMB - Fort Custer Training Center Physical Fitness Center
AUGUSTA, MICHIGAN | Structural engineer for the design of a new physical fitness center at Fort Custer to serve the full and part-time soldiers on base. A master plan was completed for a 29,000 SF facility; however, budget constraints required that the facility be constructed in four phases. The facility was designed to accommodate a phased construction.

Lansing School District - Eastern High School New Athletic Fields
LANSING, MICHIGAN | Structural engineer for Eastern High School's new athletic fields as part of the school's relocation. The project includes a soccer, football, and track stadium along with tennis courts and a baseball field. Stadium seating, support facilities, concessions, home and visitor grand stands, and a new parking area complete the design.

Grand Rapids Public Schools - Southwest Community Campus New High School
GRAND RAPIDS, MICHIGAN | Structural engineer for a new, LEED certified high school on GRPS' Southwest Campus. The $20 million building promotes a community-friendly environment without compromising security. Both the retaining wall and the facility's structural system, which supports large precast panels, required a high level of structural engineering skill.

Portage Public Schools - North Middle School Facility
PORTAGE, MICHIGAN | Structural engineer for a new $30 million, three-story middle school facility. The new building welcomes students through a secure entry vestibule. The gym, multipurpose room, and select meeting areas remain open to the community after hours. A two-story learning commons and cafeteria space are the west of a medi center, classrooms, and administrative areas. Further west are a performance theater, music rooms, STEAM fabrication studios, and more classrooms. Grades are separated into their own secure neighborhoods.

ERIC RANTANEN

PE, LEED AP, BCxP

MECHANICAL ENGINEER

Eric is skilled in HVAC, plumbing and fire protection design and specifications, sustainability and green design practices, LEED project certifications, and energy and facility audits. He is one of a handful of engineers certified to provide building commissioning services in the State of Michigan.

EDUCATION:
Master of Science, Engineering Management, West Coast University

Bachelor of Science, Mechanical Engineering, Michigan Technological University

CERTIFICATIONS:
Professional Engineer: MI

LEED® Accredited Professional, U.S. Green Building Council (USGBC)

Certified Building Commissioning Professional

MEMBERSHIPS:
American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

American Society of Plumbing Engineers (ASPE)

RELEVANT EXPERIENCE

OSF St. Francis Hospital - Physical Rehabilitation Center
ESCANABA, MICHIGAN | Mechanical engineer for a new 13,300 SF free-standing facility designed to provide comprehensive rehabilitation services including PT, OT, treatment rooms, wound clinic, wellness clinic, and therapy pool.

White Lake Township Library - Branch Replacement
WHITE LAKE, MICHIGAN | Mechanical engineer for a 30,000 SF building that triples the size of the former library, doubles space for children, teen, and adult sections, and quadruples the parking. Vision glass and acoustic seals separate the makerspace from the common area, which contains a coffee bar, fireplace, community rooms, study spaces, and a genealogy section. The design takes advantage of the 25-acre site's natural beauty with a lookout over rolling hills and greenery. A later phase of this project will implement trails surrounding the facility to tour the nearby forest area and wetlands.

Lansing School District - Administrative Building Mechanical Study
LANSING, MICHIGAN | Lead engineer for the analysis of an existing, 16,500 SF district administrative building's mechanical system to identify options for upgrading and replacing various equipment.

Lansing School District - Eastern High School Renovation
LANSING, MICHIGAN | Mechanical engineer for the conversion of Pattengill Middle School to Eastern High School. The project created large group instruction spaces and convert the media center to a student resource center. Additions include a cafeteria, administrative offices, health clinic, robust internet capabilities, and a gymnasium with a competition basketball court.

Lansing School District - Everett High School Renovation
LANSING, MICHIGAN | Mechanical for an extensive remodel of the visual and performing arts center, stage, lobby, piano lab, and cafeteria along with all-new band, dance, scene shop, and art rooms throughout the interior. Vacant former art rooms were adapted into the new video production space. Material selections used shapes, volumes, and patterns to evoke creativity and inspire movement without sacrificing durability. A new courtyard leads into the performing arts center through a secure entry vestibule.

MATT JARVI

PE

ELECTRICAL ENGINEER

Matt designs and administrates the construction of medium and low voltage electrical distribution systems. For both new and renovated facilities, he has designed everything from indoor and outdoor lighting to systems for process control, fire alarms, emergency power, communication, and security.

EDUCATION:

Master of Business Administration, Eastern Michigan University

Bachelor of Science Electrical Engineering, University of Michigan

CERTIFICATIONS:

Professional Engineer: MI, IN, KY, MS, NV, OH, SC, TN, WI

MEMBERSHIPS:

Institute of Electrical and Electronics Engineers (IEEE)

International Society of Automation (ISA)

National Fire Protection Association (NFPA)

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Electrical engineer for the design of the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Michigan DTMB - Camp Grayling Training Center Physical Fitness Center
GRAYLING, MICHIGAN | Electrical engineer for the design of a new physical fitness center at Camp Grayling to serve the full and part-time soldiers on base. C2AE completed the master plan for the facility to be implemented in phases as the budget allowed.

Michigan DTMB - Fort Custer Training Center Physical Fitness Center
AUGUSTA, MICHIGAN | Electrical engineer for the design of a new physical fitness center at Fort Custer to serve the full and part-time soldiers on base. A master plan was completed for a 29,000 SF facility; however, budget constraints required that the facility be constructed in four phases. The facility was designed to accommodate a phased construction.

Lansing School District - Everett High School Renovation
LANSING, MICHIGAN | Electrical engineer for the remodel of the visual and performing arts center, stage, lobby, piano lab, and cafeteria along with all-new band, dance, scene shop, and art rooms. Vacant former art rooms were adapted into the new video production space.

Lansing School District - Dwight Rich School of the Arts Renovations
LANSING, MICHIGAN | Electrical engineer for the renovation of the pre-K through 8th grade school to create an art-focused environment, updating the auditorium, band, choir, multipurpose, and art rooms along with adding support spaces for the visual performing arts. Rooms for pre-K through kindergarten were also remodeled.

Lansing School District - Eastern High School Renovation
LANSING, MICHIGAN | Electrical engineer for the conversion of Pattengill Middle School to Eastern High School. The project created large group instruction spaces and convert the media center to a student resource center. Additions include a cafeteria, administrative offices, health clinic, and gymnasium with a competition basketball court.

KEVIN MAKAREWICZ

PE

CIVIL ENGINEER

Trained in civil engineering and architectural technology, Kevin provides project management and design by approaching projects holistically. He enjoys supporting the essential, invisible functions and systems that keep our world in motion, such as running water and stormwater drainage.

EDUCATION:
Bachelor of Science, Civil Engineering: Michigan Technological University

Associates in Architectural Technology (High Distinction): Ferris State University

CERTIFICATIONS:
Professional Engineer: MI

MEMBERSHIPS:
National Society of Professional Engineers (NSPE)

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center
CALEDONIA, MICHIGAN | Kevin provided civil engineering services on the design of the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Michigan DTMB - Camp Grayling Training Center Physical Fitness Center
GRAYLING, MICHIGAN | Kevin provided civil engineering services on the design of a new physical fitness center at Camp Grayling to serve the full and part-time soldiers on base. C2AE completed the master plan for the facility to be implemented in phases as the budget allowed.

Otsego County - Community Recreation Plan
OTSEGO COUNTY, MICHIGAN | Kevin provided civil engineering services on the development of a community recreation plan. The project team analyzed the existing recreation sites—giving focus to natural and constructed amenities, community use, and opportunities for improvement—and managed the public input process before presenting recommendations for the final plan.

Village of Kalkaska - Railroad Square Development
KALKASKA, MICHIGAN | Kevin provided civil engineering services on the transformation of Railroad Square. The space now offers a clock tower plaza, an open-air pavilion with a kitchen and restrooms, central event lawn with bench seating and landscaping, designated farmer's market and food truck area, pedestrian trail, and plant buffer to guard the existing rail line.

Kent County Youth Agricultural Association - Fairgrounds Relocation
KENT COUNTY, MICHIGAN | Kevin provided civil engineering services on for the development of a master plan outlining the relocation of the fairgrounds. Input meetings informed elements of the new design, such as the number and size of facilities, the emphasis on grounds' show arena, the number of parking spaces, and avenues for future expansion.

Michigan DTMB Atlanta Maintenance Facility Improvements
ATLANTA, MICHIGAN | Lead designer for improvements to several buildings along with the addition of a wash bay and service bays. Upgrades included re-roofing heated buildings, replacing non-insulated windows with insulated ones, improving air circulation with fans, replacing heating equipment, adding lighting control systems and occupancy sensors, improving drainage to capture stormwater runoff, and employing gray water reclamation at the wash bays.

BILL ROBERTSON

PE

AQUATICS DESIGN AND ENGINEERING

Bill has over 37 years of experience in the swimming pool industry in education, design and engineering for the construction, operation and re-construction of public swimming pools. Bill also rewrote the Public Acts 368 of 1978 Public Swimming Pool Rules-Swimming Pool Advisory Committee in 2002 in conjunction with the Michigan Department of Environmental Quality. Bill has been involved with over 200 pool projects in Michigan. He is Michigan's foremost expert in pool design and operations.

EDUCATION:

Bachelor of Science, Eastern Michigan University

RELEVANT EXPERIENCE

Caledonia Community Schools - New Cal Community Center

CALEDONIA, MICHIGAN | Bill provided design services for the new athletic complex as part of a district bond program. The facility will include a community center with a basketball court, competition pool, splash pad, resource center, flexible meeting spaces, a kitchen, and offices. The complex will also have additional playing fields and parking.

Portage Public Schools - Capital Bond Program

PORTAGE, MICHIGAN | Bill worked with both Stantec and C2AE on the Portage Public Schools (PPS) projects through the planning and design process on two new aquatic centers.

Bloomfield Hills School District - High School

BLOOMFIELD, MICHIGAN | Bloomfield Hills High School is a 350,000 SF building, which includes 233,000 new and 117,000 SF renovation of the existing building. Bill was the pool designer for the new natatorium.

Brighton Area Schools - Bond Program

BRIGHTON, MICHIGAN | A new High School pool with athletic commons and fitness room was constructed.

Oak Park School District - Pool Renovation

OAK PARK, MICHIGAN | Existing pool renovation and conversion

Owosso Public Schools - Pool Renovation

OWOSSO, MICHIGAN | Existing pool renovation and conversion

CALEDONIA COMMUNITY RECREATION CENTER

CALEDONIA COMMUNITY SCHOOLS

Caledonia, Michigan

C2AE AND STANTEC led the successful passage of Caledonia Community Schools' (CCS) bond vote in 2020, which paved the way for a new athletic complex in partnership with the YMCA.

Among a variety of amenities, this space will offer a basketball court and indoor track, exercise equipment, group exercise programs, a competition pool, leisure pool with a splash pad, locker and universal changing rooms, concessions, a resource center, a Kid Zone, a hospitality room, and offices. On site, the Caledonia Athletic Complex will also offer space for additional playing fields in the future.

The YMCA will operate and manage the complete facility. The complex will be open to the community, with students as the primary users.

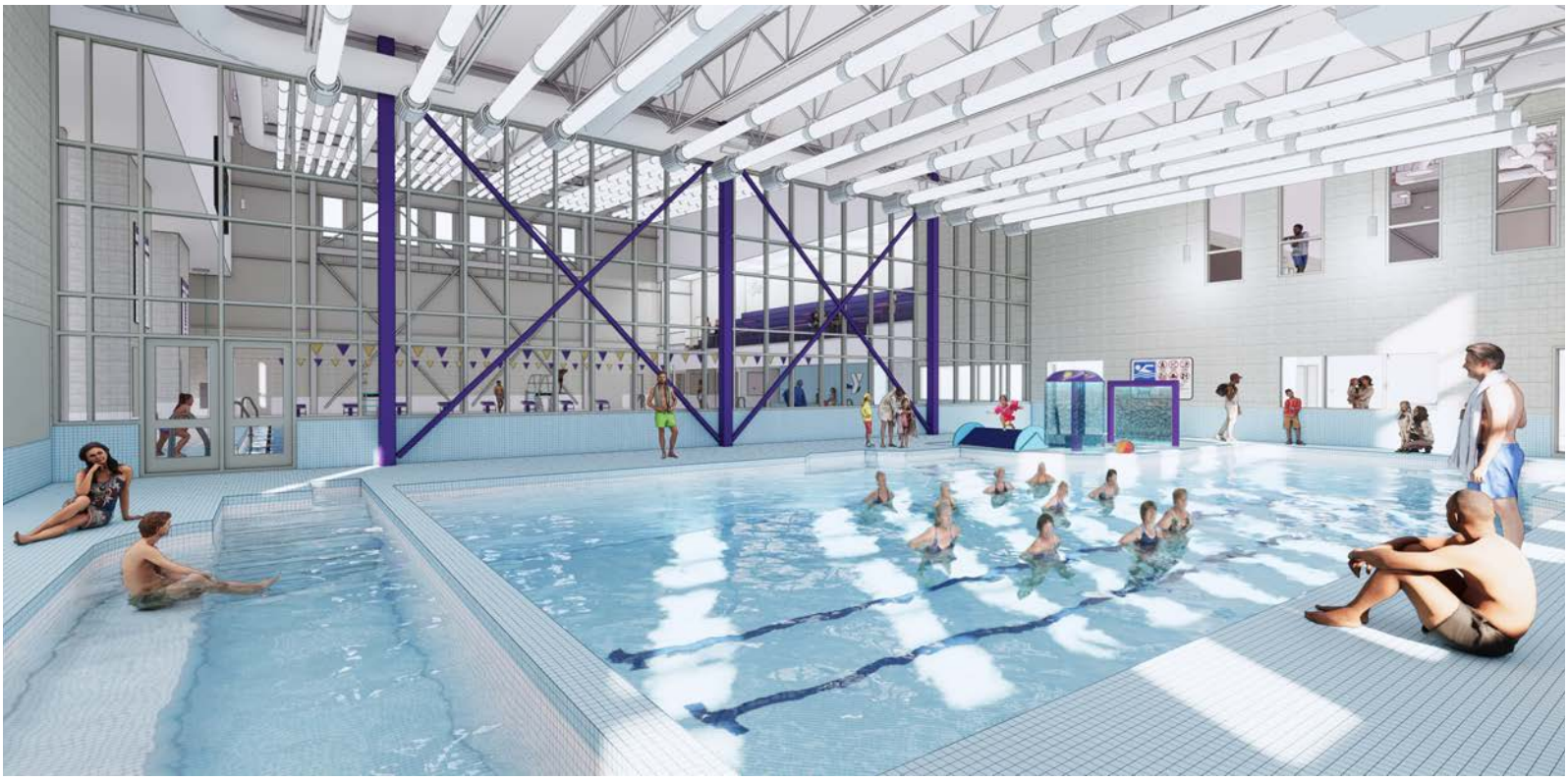
Stantec brought their internationally renowned architecture services, and C2AE provided landscape architecture and structural, site electrical, and site civil engineering (as well as the responsiveness of a local small business) to finalize plans. Construction is expected to close in 2024.

Size
46,287 SF

Completion
2024 (exp.)

Construction Cost
$21.4 M (exp.)

Professional Services
Planning, Programming, Architecture, Interior Design, MEP, Structural Engineering, Landscape Architecture




OPEN SWIM

CENTRAL HIGH SCHOOL NATATORIUM

PORTAGE PUBLIC SCHOOLS

Portage, Michigan

Fulfilling part of Portage Public School's $144 million bond program, C2AE served as architect of record for a new natatorium at Portage Central High School while working with Stantec.

This construction is among several other projects that will take place in the coming years as part of the bond—among which are renovations a middle school facility, the construction of two entirely new middle schools, two new athletic event facilities, the renovation of an existing early childhood program facility, and a second all-new aquatic center.

The natatorium is a two story addition to the existing high school, connecting off of the student commons and gymnasium. The large, 11-lane pool is designed for competitive diving and water polo. The latest in timing touch pad technology promises nail-biting meets, both for athletes in the water and the spectators overlooking the action from the 350-seat mezzanine above the locker rooms.

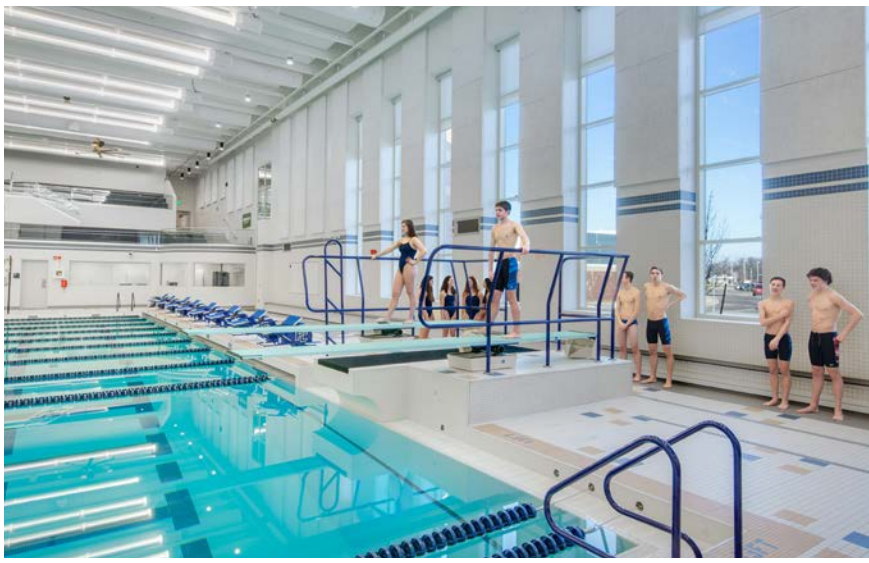
The $10.1 M construction project ended within budget and just in time for the 2018 school year.

Size
23,000 SF

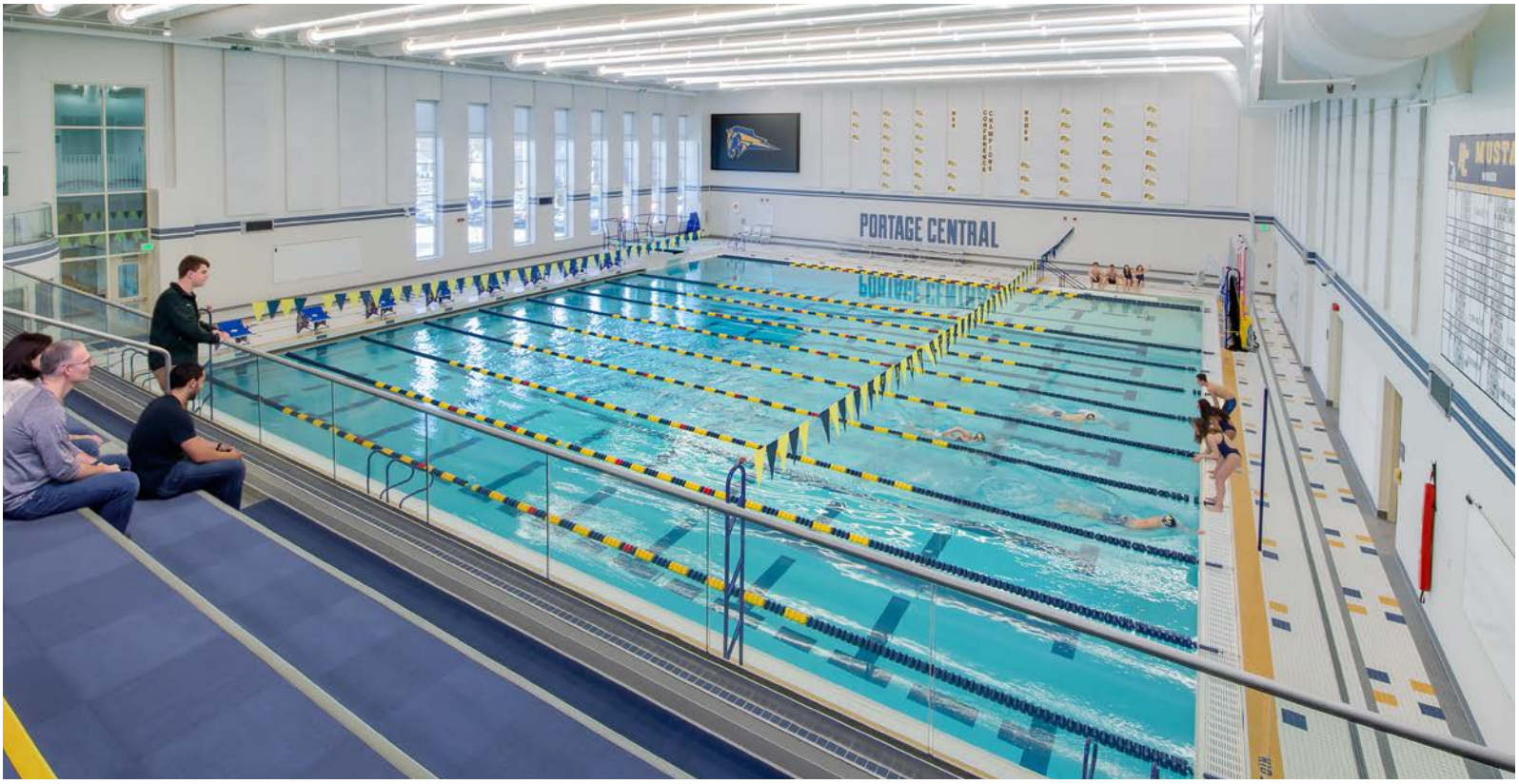
Completion
2018

Construction Cost
$10 M

Professional Services
Planning, Programming,
Architecture, Interior Design,
Mechanical, Electrical, and
Structural Engineering,
Civil Engineering & Landscape
Architecture




EXIT


PORTAGE CENTRAL

NORTHERN HIGH SCHOOL NATATORIUM

PORTAGE PUBLIC SCHOOLS

Portage, Michigan

C2AE AND STANTEC partnered with Portage Public Schools to carry out a $144 million bond, including this new natatorium at Portage Northern High School.

On the heels of Northern High School's Huskie Stadium grand opening—and the school's first football game on home turf—students looked to dominate a new arena: swimming.

The natatorium features a competition swimming pool with 25-yard lanes going in one direction and 25-meter lanes running perpendicular. Eight lanes, as well as the dive wells, are used for swim meets, while 11 lanes are used for practice. A mezzanine located above spacious locker rooms offers elevated seating for up to 367 guests. Utilities and lighting were both coordinated for this addition.

This project is closely mirrored by a second aquatic center at Northern's sister school, Portage Central High School.

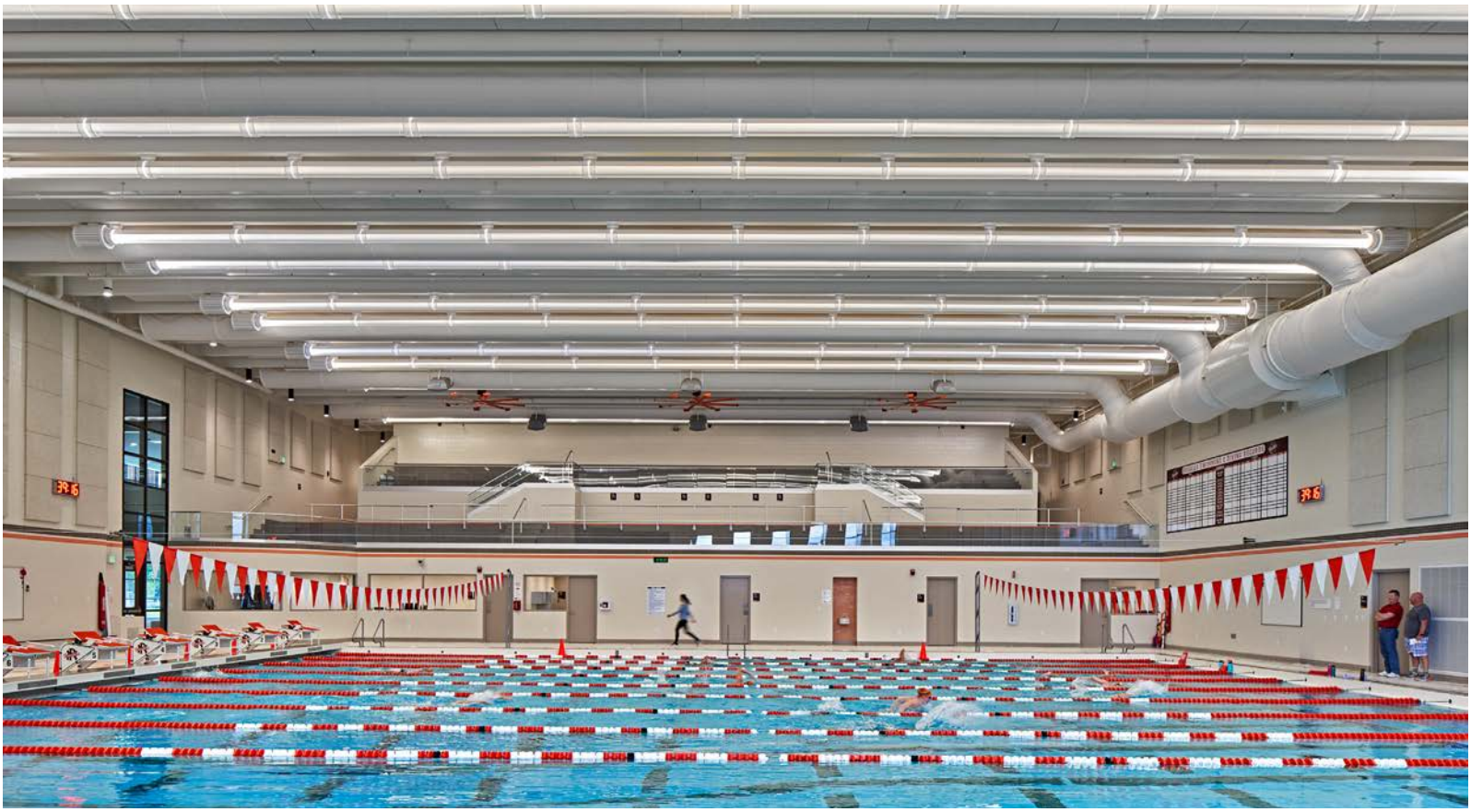
Size
23,000 SF

Completion
2020

Construction Cost
$10 M

Professional Services
Planning, Programming, Architecture, Interior Design, MEP, Structural Engineering, Landscape Architecture, Civil Engineering


PORTAGE NORTHERN



DEL VALLE HIGH SCHOOL ATHLETICS FACILITY

DEL VALLE INTERMEDIATE SCHOOL DISTRICT

Del Valle, Texas

A collegiate-level design that encourages high school students to bring their A-game. When you think of athletics, you picture speed, strength, agility, and endurance—so when Del Valle High School decided to build a new athletics facility, those were the characteristics they wanted to capture.

The gradated, colored metal façade symbolizes an athlete's speed while enhancing the brand of the program. A cantilevered viewing deck hovering over the track resembles a runner jumping hurdles. The complex creates a bold new image for the school that epitomizes the Del Valle athlete.

The design organizes the buildings around the existing football field to create entries into the athletic complex. It also enhances the family and spectator experience by taking advantage of the site's north natural slope with an end-zone park. The public lobby and reception area celebrate Del Valle athletic program accomplishments, and behind the walls is an advanced facility that engages student-athletes, coaches, and support staff.

New facilities include an indoor practice field (80 yards x 60 yards), a state-of-the-art weight room, boys' and girls' locker rooms, a training room, new concessions and restrooms, offices for coaches and staff, and a team video room.

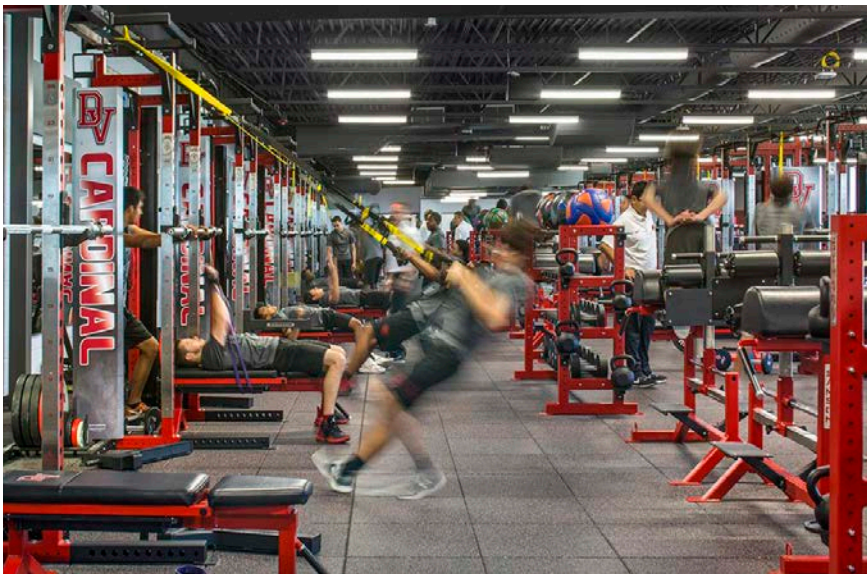
With this new facility, Del Valle High School is better prepared to promote their mission of encouraging and inspiring students to pursue excellence in all aspects of their life and education.

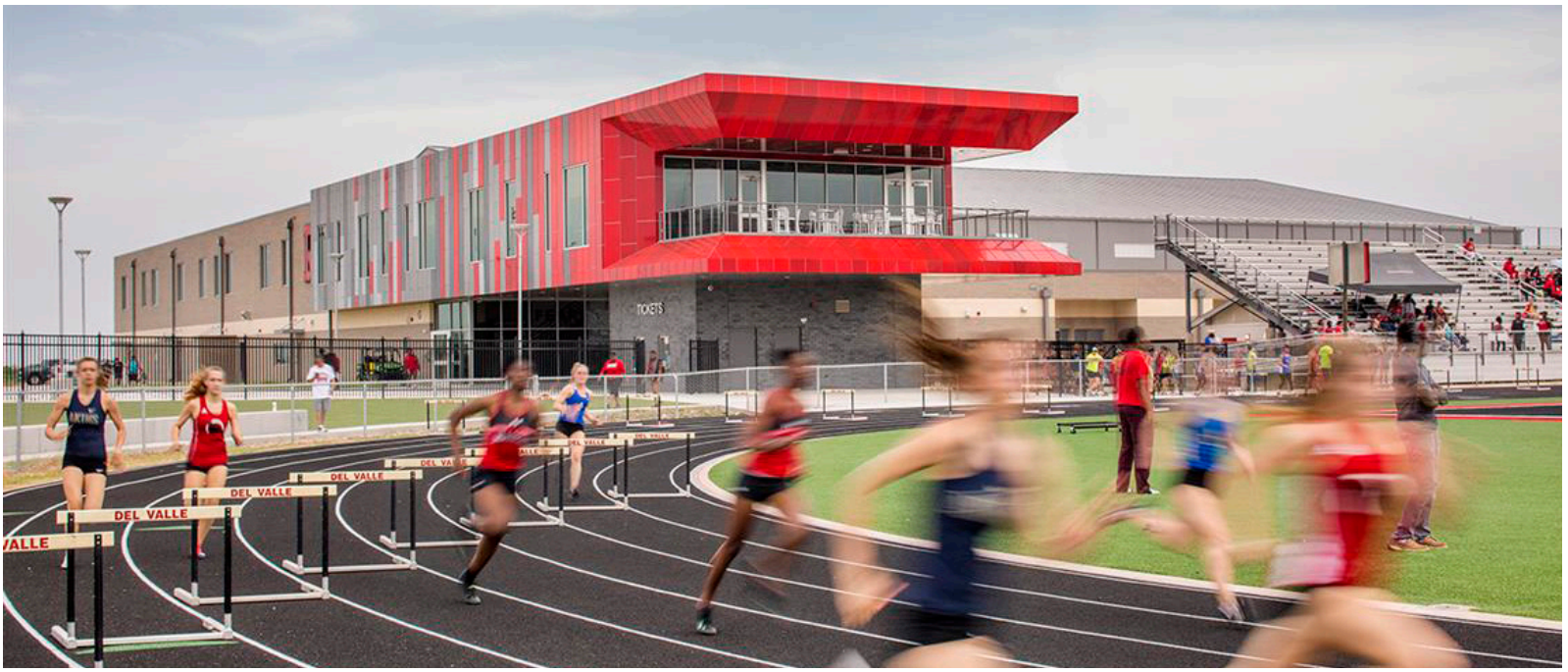
Size
115,000 SF

Completion
2017

Construction Cost
$22 M

Professional Services
Planning, Programming, Architectural, FF&E, Mechanical, Electrical, and Structural Engineering




TICKETS
DEL VALLE
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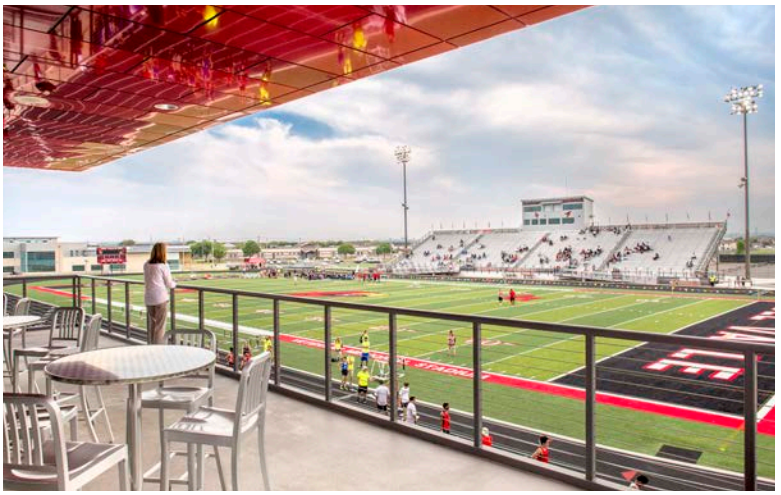
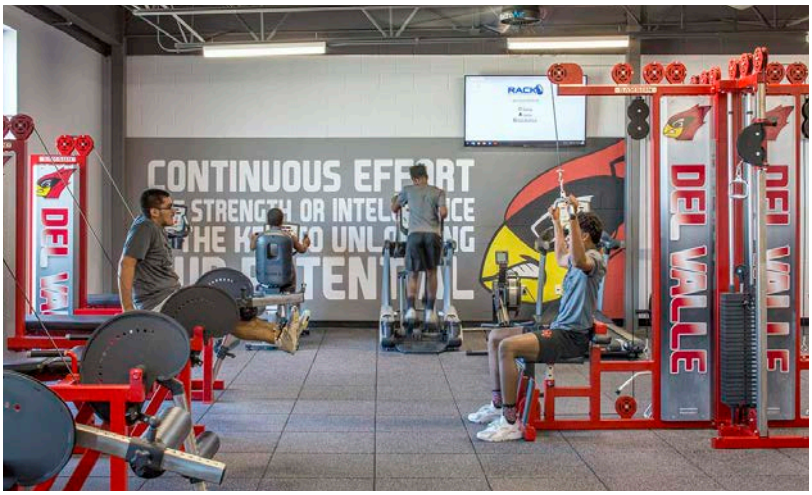



CONTINUOUS EFFORT
DEL VALLE
DEL VALLE

BLOOMFIELD HILLS HIGH SCHOOL

BLOOMFIELD HILLS SCHOOLS - RENOVATION & ADDITION

Bloomfield Hills, Michigan

After 10 years of unsuccessful attempts to replace their two aging High Schools, Andover and Lahser, Stantec in partnership with Fielding Nair International, led Bloomfield Hills Schools and the community through a year-long planning and facilitation process that resulted in a successful bond in 2012 to consolidate the two High Schools into a single facility on the Andover site.

The 350,000 SF building includes 233,000 SF new and 117,000 SF renovation of the existing building. The new consolidated High School enhances an entire new pedagogy featuring small technology-rich learning communities with a variety of learning spaces that encourage collaboration, student directed learning, project-based learning and interdisciplinary instruction.

In addition to the small learning communities, the school features fine arts, music, performing arts center, student radio and TV, gymnasium/field house, stadium, 12 lane pool and a central commons/building 'heart' with media and knowledge market. Students dine throughout the entire facility utilizing a distributed dining concept that strengthens relationships and collaboration within individual learning communities.

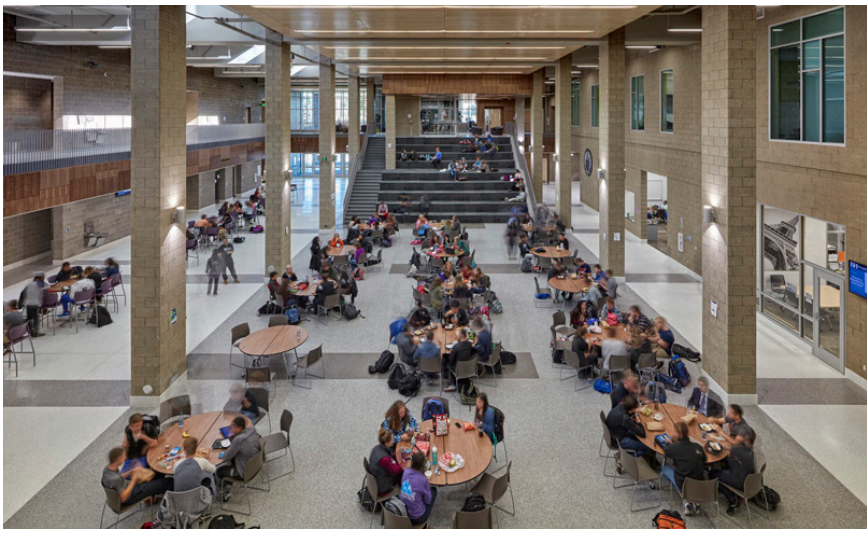
American School & University Architectural Portfolio Awards Outstanding Designs: High Schools 2016

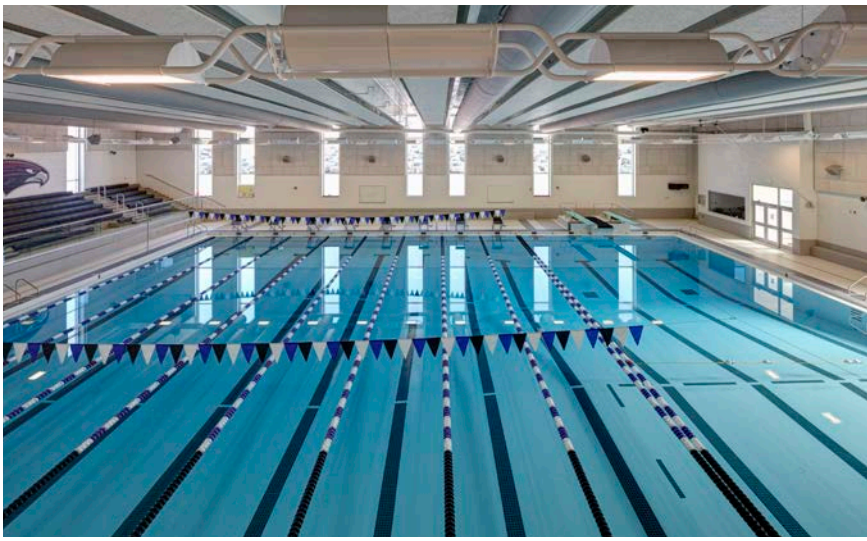
Size
350,000 SF:
Addition: 233,000 SF
Renovation: 117,000 SF

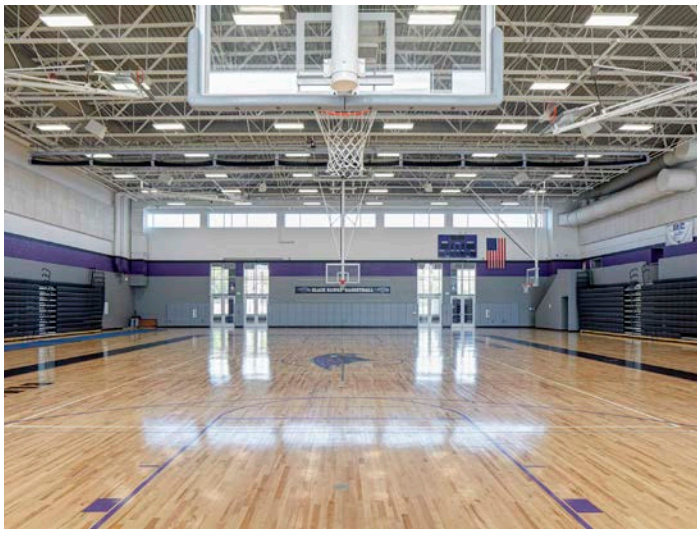
Completion
October 2015

Construction Cost
$79M

Professional Services
Planning, Programming, Architectural, FF&E, Mechanical, Electrical, and Structural Engineering







NEW CANEY DISTRICT NATATORIUM

NEW CANEY INDEPENDENT SCHOOL DISTRICT

Porter, Texas

The New Caney ISD District Natatorium is designed as part of the Texan Drive Stadium Complex.

The new pool with its 25-yard stretch configuration with a bulk head allows for multiple configurations and activities. The facility can accommodate competitive swimming, competitive diving, water polo, swim lessons, water aerobics, and other aquatic activities.

The district's desire for transparency toward the stadium determined the pool orientation and seating configuration. Seating for 400 has been placed above locker rooms and other service on each side of the pool creating a collegiate environment.

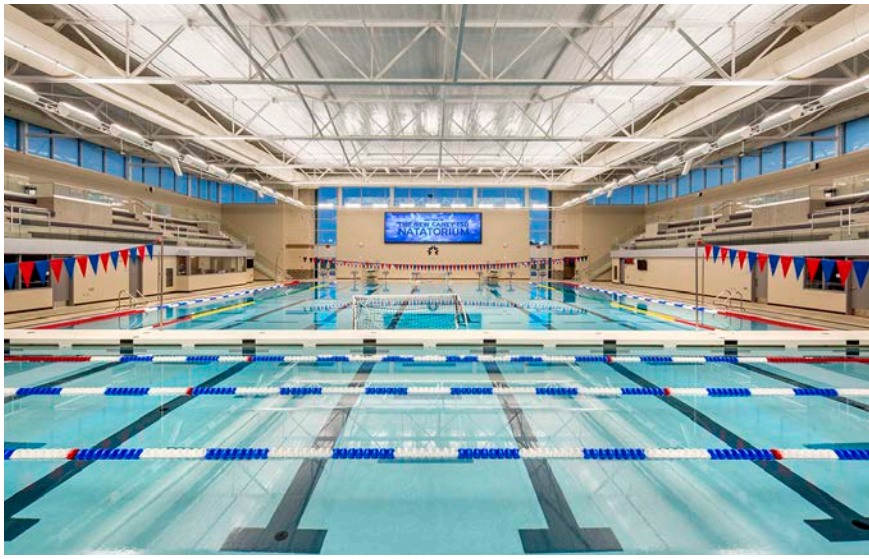
The south end of the natatorium opens to a courtyard that serves as an entry to the complex, but also provides overflow for athletes during swim meets. The north end of the pool has a large video board which also contributes to the collegiate feel.

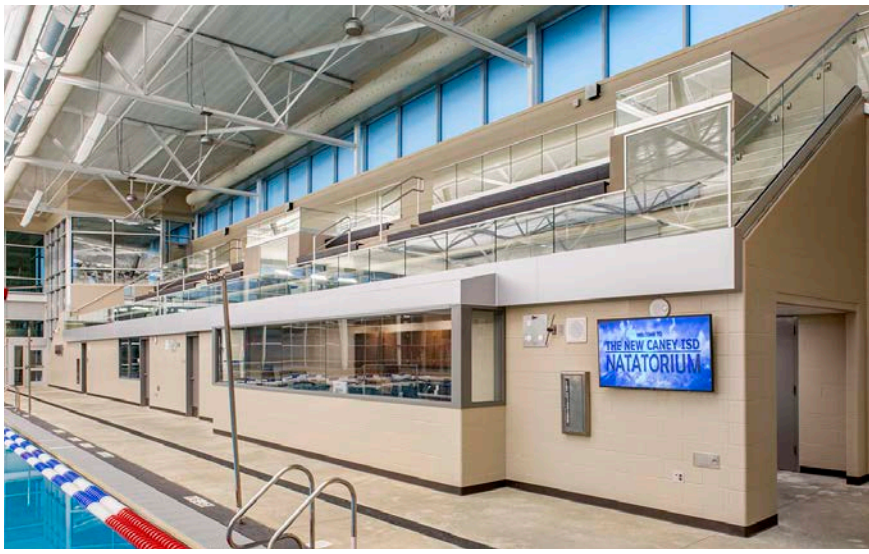
Size
32,904 SF

Completion
2017

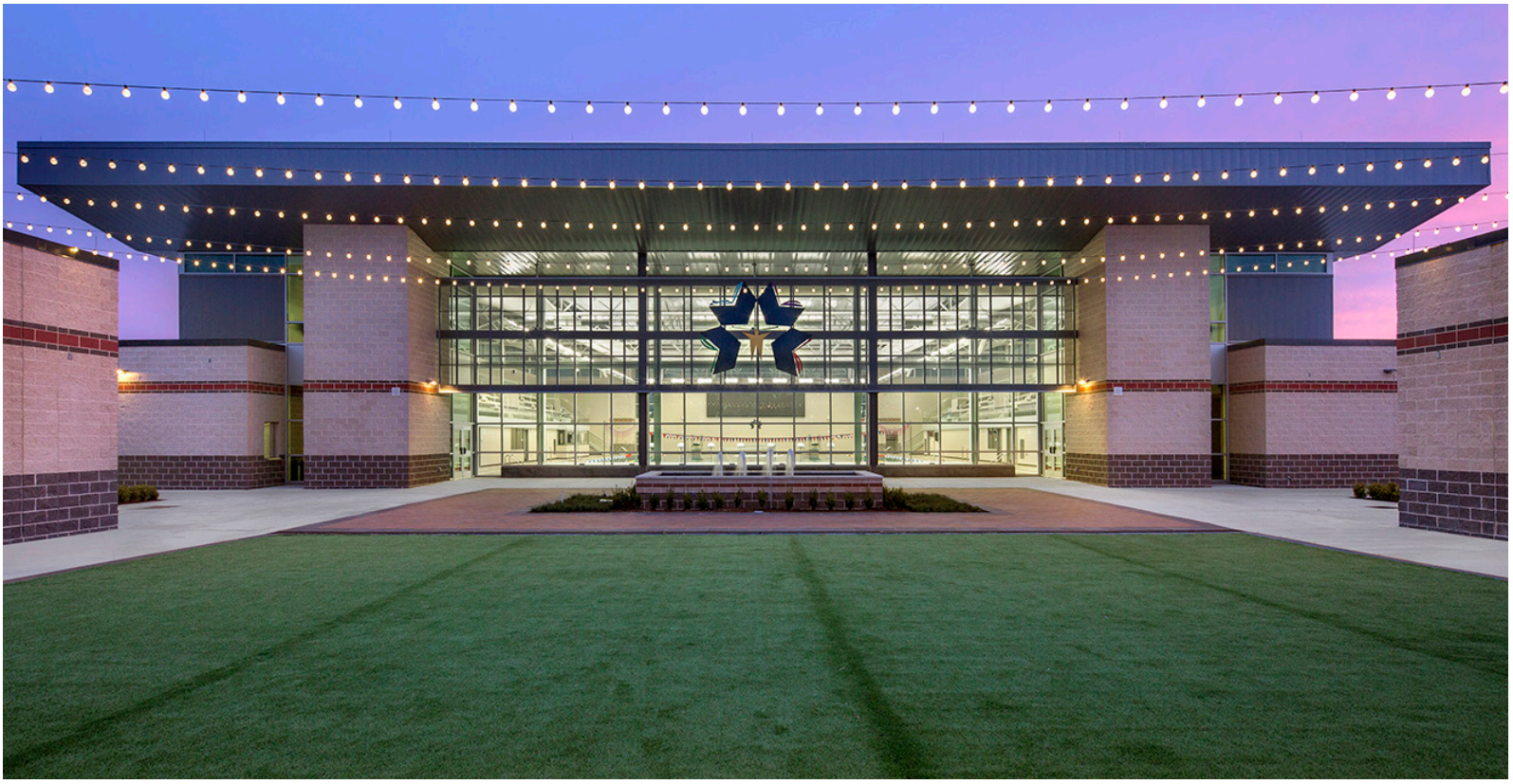
Construction Cost
$13 M

Professional Services
Planning, Programming, Architecture, Interior Design, Mechanical, Electrical, and Structural Engineering, Civil Engineering & Landscape Architecture






WELCOME TO
THE NEW CANEY ISD
NATATORIUM



NORTH VALLEY REGIONAL SPLASH PARK

WASHOE COUNTY REGIONAL PARKS + OPEN SPACE

Washoe County, Nevada

When Washoe County Regional Parks and Open Space sought to add a summer recreational opportunity for residents near the airport, the Stantec Team responded with a novel solution — an aeronautical themed Splash Park. Nestled among a residential neighborhood, and within an existing regional park, this $2.6 million renovation project transformed a portion of the regional park into a fun community destination. Designing the North Valleys Regional Splash Park (Splash Park) required creative site planning, landscape architectural detailing, and engineering to incorporate as many water features as possible into the Splash Park – while not disrupting neighborhood and community activities.

Airplanes were themed similar to those that would be seen at the Championship Air Races. Sprayers are also located along the runway. To complement the theme, the team designed a racing flag pattern depicted on the dump bucket, and on an air control tower. Being close to Lake Tahoe allowed the team to implement Lake Tahoe features into the design. A map of the Lake is featured on the soft surface ground pad with named features such as Emerald Bay, and South Shore which are well known locations around the Lake.

The park features a 7000 square-foot wet play area, 60 spray heads, 20 different water features, and is supported by two miles of water pipe. Subsurface irrigation was designed inside the Splash Park for turf areas, while outside the Park the turf was replaced along with new landscaping irrigated with the existing reclaimed water system. The Splash Park was also designed to minimize water loss while maximizing water reuse.

Completion
7000 SF wet play area

Construction Cost
$2.6 M park total
$380,000 Splash Pad

Professional Services
Community Planning,
Structural Engineering,
Electrical Engineering,
Mechanical Engineering,
Civil Engineering &
Landscape Architecture

BRIGHTON AREA SCHOOLS ATHLETIC FACILITIES UPGRADES

RENOVATION & ADDITION

Brighton, Michigan

Stantec finalized a District-Wide Facilities Assessment and led Brighton Area Schools through a successful Michigan Treasury process and Bond Campaign, resulting in the passage of an $88.5 million bond. We utilized our unique assessment process and national facilities benchmarking tool to develop a 'Facilities Condition Index' (FCI) for each facility in order to gain a true comparative understanding of the investment required to upgrade and maintain their facilities in a 'Good' to 'Fair' condition.

In addition to much needed deferred maintenance work, the district made critical upgrades to their very popular athletic facilities including the High School stadium upgrade, practice field and new Middle School track and field each with artificial turf. Baseball, softball and tennis courts were upgraded or constructed new at the High School and Middle School. A new High School pool with athletic commons and fitness room was constructed. Critical infrastructure upgrades included paving and site, roofing, building envelope, barrier free, energy, HVAC, power and lighting, security and technology.

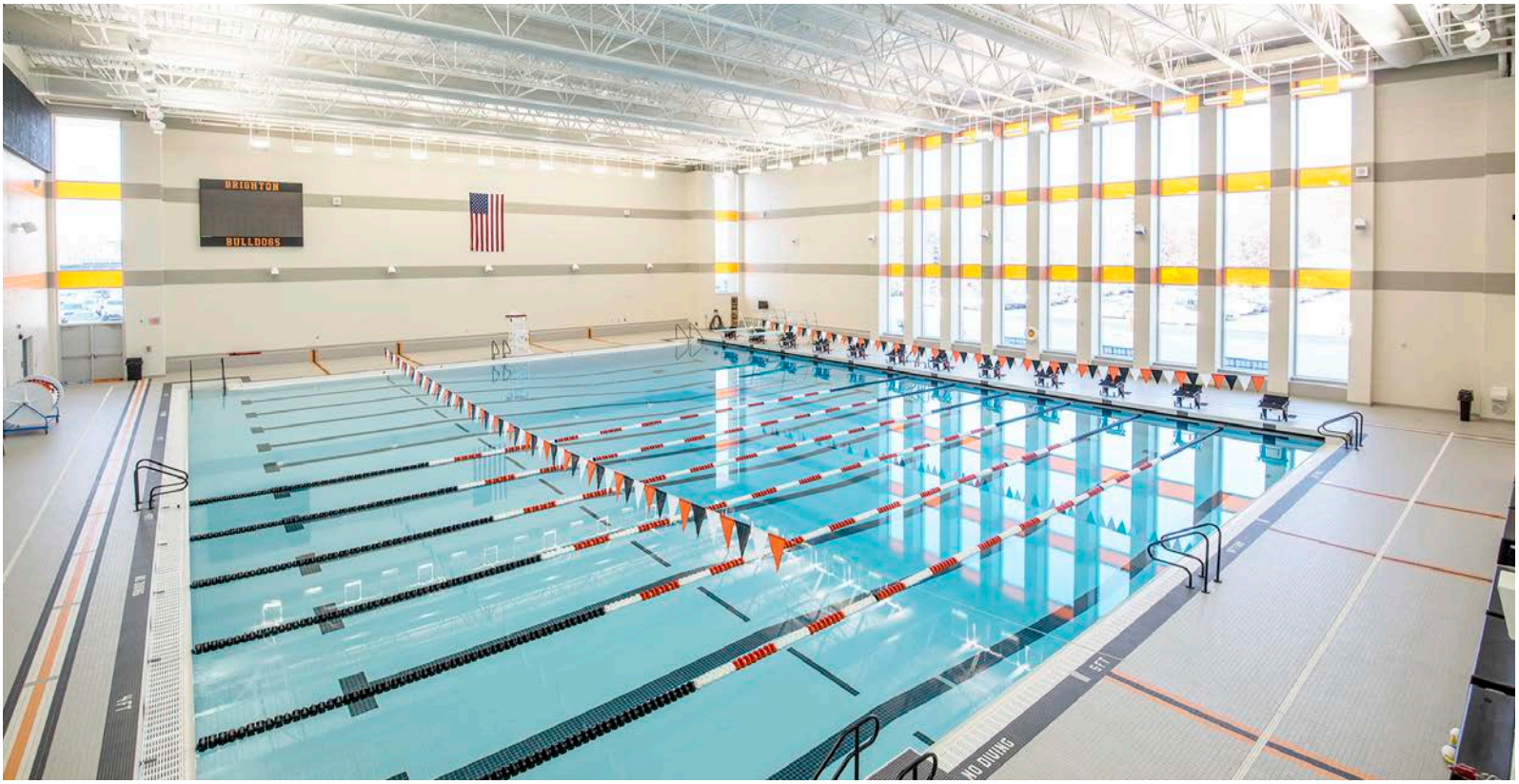
Size
1,130,170 SF (10 buildings)

Completion
2015

Construction Cost
$80M

Professional Services
Planning, Programming, Architectural, FF&E, Mechanical, Electrical, and Structural Engineering


CONCESSIONS


BRIGHTON
BULLDOGS

IRON BELLE TRAIL & GAYLORD GATEWAY TRAILHEAD

CITY OF GAYLORD

Gaylord, Michigan

Otsego County is a favorite pit stop among hikers and bikers. The new Gaylord Gateway Trailhead, located in Downtown Gaylord at the railroad crossing on Main Street, serves these visitors all year-round.

Owned by the MDNR and leased to Otsego County for operation, the Gaylord Gateway Trailhead includes a covered pavilion and enclosed, year-round restrooms, a courtyard with a gas-powered fire pit, bike racks and a repair station, landscaping, decorative lighting, interpretive displays, and car and trailer parking. 1.75 miles of new trailway were also included in the project, connecting to a 13-mile stretch of the Iron Belle Trail also designed by C2AE.

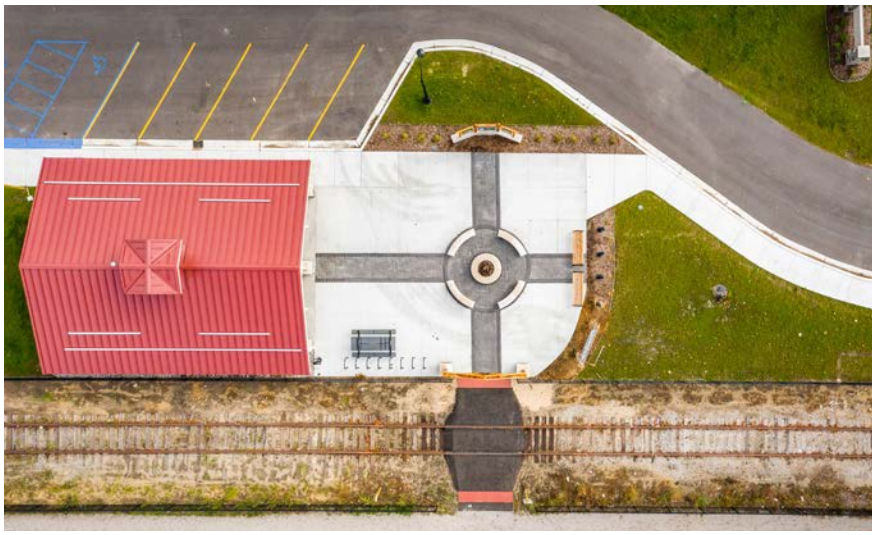
This project involved close coordination with a variety of stakeholders and funding sources, including Otsego County, MDNR, City of Gaylord, Otsego County Economic Alliance, Michigan Economic Development Corporation, and the Iron Belle Trail.

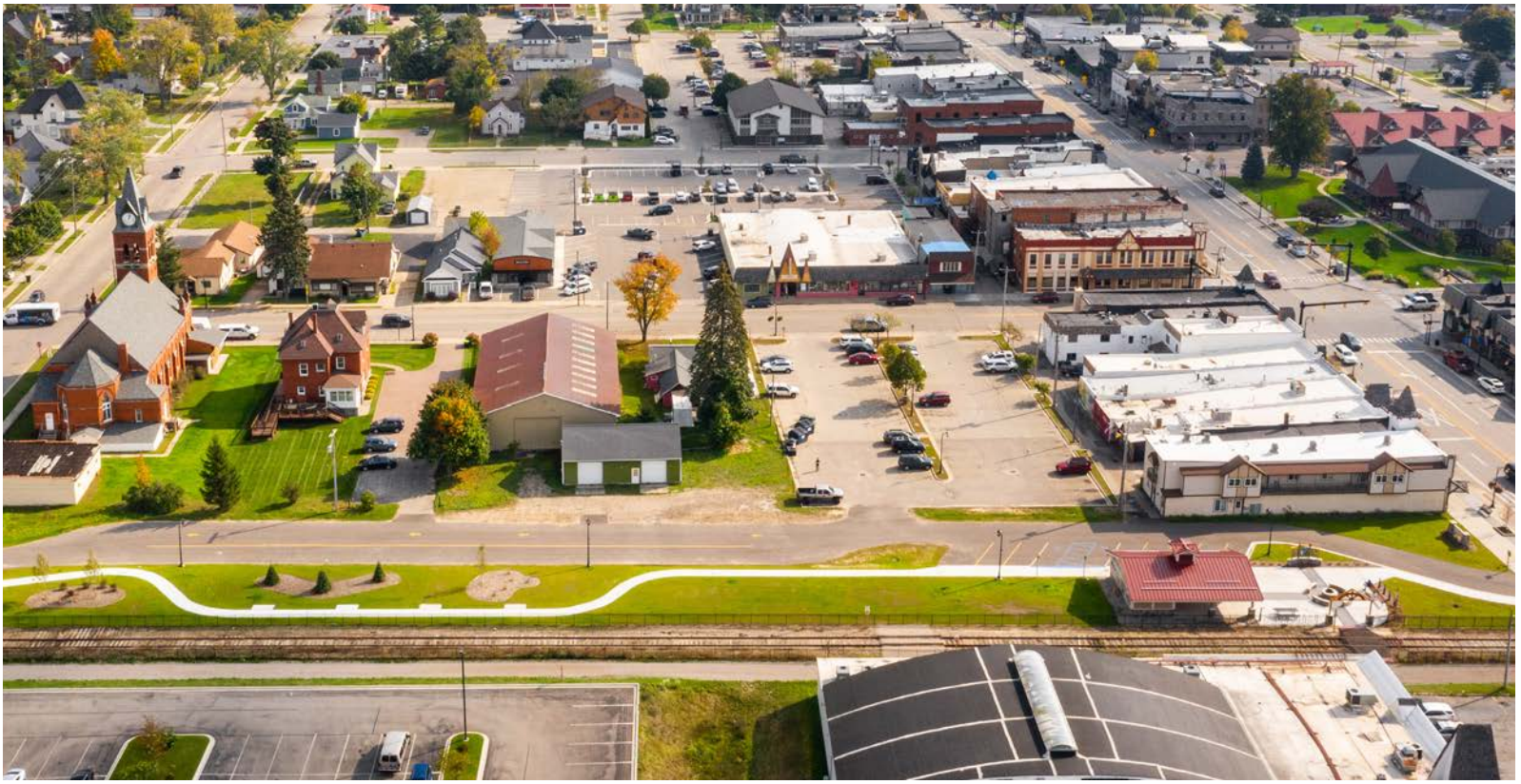
Size
1.75 miles

Completion
2016

Construction Cost
$950,000

Professional Services
Planning, Programming,
Architectural, MEP Engineering,
Structural Engineering,
Civil Engineering,
Landscape Architecture,
Funding Assistance





ELECTRICAL POWER TECHNOLOGY CENTER
ALPENA COMMUNITY COLLEGE
Alpena, Michigan

Stantec Architecture Inc. served as the Architect and Engineering firm for the Ferris H. Werth Electrical Power Technology Center (EPTC) project. The EPTC supports ACC's Utility Technician and Electrical Apprentice programs by providing state-of-the-art facilities and equipment. In addition to electrical training, an HVAC lab provides hands on training for installation and maintenance of commercial HVAC systems.

HEALTH PARK MASTER PLAN
CITY OF CLARE
Clare, Michigan

C2AE is working with the City of Clare to develop a master plan for the new Health Park. The plan includes several phases for the design and construction of various park amenities. Phase one will add a wellness center and indoor pool, along with parking. Phase two will include more parking, a competition soccer pitch, and a new building addition for more wellness programming. Phase three will add baseball and soccer fields, a concessions building, and more parking. Remaining portions of the site will be developed in future phases.

Statement of Work

Programming Planning & Design

KICK-OFF AND ENGAGEMENT

A successful initial kick-off meeting establishes a clear understanding of the project's goals, organization, responsibilities, and planning activities, and it confirms lines of communication.

We will work collaboratively with the County and community stakeholders to develop a project work plan that will fulfill the project goals. We will conduct a facility walk-through with our team to understand the existing conditions prior to any community survey. The design team will develop a community survey that will be shared with various groups for their input. Once sufficient time has elapsed for the community to participate in the survey, the design team will evaluate the results and present them to the county. Following the survey results meeting, the design team will conduct four virtual focus groups to solicit initial feedback on the project. This, again, will be followed with a meeting to download and discuss the results of the focus group sessions.

The next key collaboration event will be the public design charrette, which is designed to take advantage of and integrate public input from a variety of stakeholders into the conceptual design.

Key Components

- Project overview to inform the stakeholder group about the scope and goals for the project
- Presentations by the design team, which includes industry leaders in pool design, to begin to educate the stakeholders about the options available
- Guided walk-through of the existing facility at both the plaza pool and APlex to allow stakeholders to better understand the existing conditions.
- Breakout group exercise to allow stakeholders to use all the information received during the early portions of the meeting and program/ design the concepts to be considered for the APlex.
- Wrap up charrette with closing remarks by the design team and County.

Our team will also facilitate several community engagement workshops, drawing out goals and needs from stakeholders, gathering input from the appropriate committees and focus groups, presenting program and design options, testing concepts, and building consensus.

Our workshops will be interactive sessions, engaging everyone in the solution seeking process

and exploring ideas and opportunities together. Workshops will include both working committee level meetings and large town hall-style events. By working between both small and large group settings, we can quickly arrive at solutions and then vet those ideas with a broader constituency. This multi-level approach allows stakeholders to engage at their desired willingness, quickly building a shared sense of ownership and participation in the ultimate design solution.

Goal and Outcomes

The goal of the kickoff and engagement phase is to fully understand the objectives of the project, to synthesize the users' needs for the facility into a clear project program, and to define the metrics for project success. Most importantly, during this phase, we will develop a consensus vision for the project, involving all stakeholders and the community in the process and developing buy-in for the selected programmatic direction. The specific outcomes of the kickoff and engagement phase will include:

- Program document listing project goals and objectives
- Documented workshop process with survey results and feedback summaries
- Participation and consensus for program

SCHEMATIC DESIGN - IDEATION AND FEEDBACK

Once the program parameters are in focus and users have been engaged, the design team will develop a conceptual site plan that includes the program elements noted in the RFP along with feedback from the public charrette. We will explore the perspectives of various users, developing "experience profiles," which will provide a detailed visual and narrative guide to how the community would experience each venue and program offering of the facility. This approach will allow the design team to directly explore the user experience, planning for unique needs and responding to specific community desires.

Project goals, along with items such as Universal Design principals and sustainable objectives, will be integrated. The design team will review the concept with the County prior to completion to keep everyone updated on the progress. After the concept options are vetted, tested, and selected, the design team will develop the conceptual design to fully illustrate and visualize the proposed solution. With completion of the conceptual site plan, the design team will also develop a conceptual cost estimate that is inclusive of all project costs (i.e., site development, building, pool and support infrastructure, and equipping/outfitting the project to provide a cost for a turnkey solution).

Once the conceptual site plan and cost estimate are complete, the design team will participate in a public meeting to unveil site plan, explaining how the input received was translated into a plan, influencing the overall site. Following the unveiling, the design team will prepare and provide a follow-up public survey to once again engage with the residents of Alpena and the APlex users to confirm their support of the proposed concept.

Following the survey period, the design team will share the input from the survey and update the conceptual site plan based on a consensus decision between the County and design team.

Goal and Outcomes

The goal of the schematic design phase is to create a diagrammatic representation of the proposed project that meets the functional, aesthetic, and financial parameters as defined in the program. Outcomes of the schematic design phase will include:

- Design approval
- Drawings
- Graphics communicating design intent

Operational Funding Strategies

Part of the proposed expansion of the APlex is developing an operationally sustainable solution for the County. The first step is quantifying the operating costs. Even though the level of detail about the project is conceptual, the design team can project operating costs for utilities and pool chemicals. Design strategies can be employed to balance first cost and operating costs.

Once this is developed, and in conjunction with the County's feedback on labor cost, the design team can facilitate a meeting to discuss strategies to maximize dollars available for donors and taxpayers and how those monies can best be utilized to provide the County with solutions to ensure the APlex continues to be a financial asset to the community.

Project Approach / Work Plan

Approach

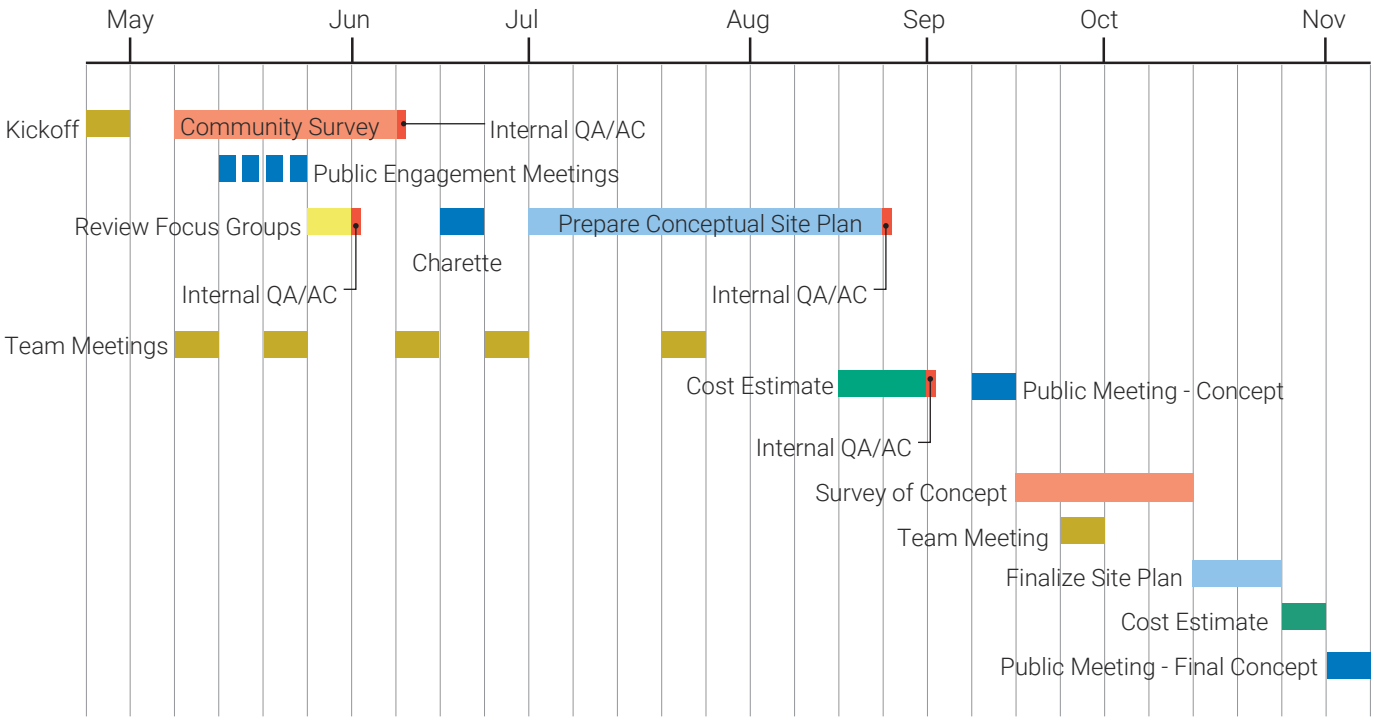
The vision for the new APlex Recreation Center is a reflection of Alpena's commitment to health and wellness—and it serves as exciting new opportunity for the youth of Alpena to grow together as a community. As a marquee facility for the entire county, it is important that the APlex serve not just as an enduring asset but as a reminder for how community can engage together to craft a shared vision. At C2AE and Stantec, we are engagement aficionados; we embrace consensus decision-making, and we are passionate about facilitating meaningful and memorable experiences within our communities.

Steve Jurczuk, project manager, is an advocate for community engagement in his own right. Steve has been actively involved in numerous organizations and initiatives in his own community, including the fire department and the local board of public works. Steve will guide Alpena County through the visioning for this new facility, embracing and integrating the diverse perspectives of your residents into a singular vision. Steve will lead a series of engagement sessions and community workshops, integrating recreation center design expert, Scott Klaus, and principal designer, Travis Sage, to test options and ideas and facilitate multi-user input sessions.

Visioning the entire complex as a whole, Steve, Scott, and Travis will collaborate closely with our design engineers, our pool design consultant, Bill Robertson, and the rest of our talented design team to assure a timeless and efficient solution, maximizing the vision and value for the facility.

To achieve the goals of your program, our team will use an exciting and engaging process for initial planning and design, employing all of the necessary expertise. We will illustrate a full project vision, while leveraging our strong integrated process, to maintain a high standard of quality throughout the increasingly detailed phases of design, documentation, and construction.

Schedule



Hardware/Software Capabilities

C2AE and Stantec will utilize a variety of software packages and suites. Our team's capabilities include, but are not limited to:

Adobe Acrobat (PDF)
Adobe InDesign
Adobe Photoshop
Adobe Illustrator
Arrow Gold GPS unit
Autodesk Revit
Autodesk AutoCAD (DWG)
ESRI ArcGIS
Carrier Hourly Analysis Program
Leica BLK360, Field 360, CloudWorx (Laser Scanning)
Microsoft Word
Microsoft Powerpoint
Microsoft Excel
Microsoft Access
Microsoft Project
PipeFLO
RAM Structural Systems
SketchUp
TEDDS
Lumion Rendering
Microstation

C2AE is able to use county GIS data and is able to provide all deliverables in Adobe PDF, CAD DWG, or other agreed upon file type.

Addenda

We have received no addenda for this project.

c2ae Stantec

Steve Jurczuk, AIA, LEED AP
Project Manager
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steve.jurczuk@c2ae.com

Create ahead.