

tda
architecture

cleveland heights-university heights city school district



statement of qualifications

**professional services for
master planning**



STATEMENT OF QUALIFICATIONS:

*Professional Services for a Master Planning Consultant:
Cleveland Heights-University Heights City School District*



prepared for:



Mr. Steven Zannoni
Project Management Consultants
127 Public Square, 39th Floor
Cleveland, OH 44114

Section A

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Section B

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A. General Firm Information

A.1. cover letter

August 19, 2011

Mr. Steve Zannoni
Project Management Consultants
127 Public Square, 39th Floor
Cleveland, OH 44114

RE: Statement of Qualifications for District-wide Facility Master Plans

Dear Steve,

Cleveland Heights-University Heights City School District and TDA Architecture have enjoyed a decade-long relationship that has touched every building structure in the District. This invaluable knowledge is foundational to an accurate assessment of the current infrastructure and its ability to support the new 21st century model.

Northeast Ohio is rich with Districts embracing 21st Century Learning Environments. TDA, through its extensive work with local districts, has designed educational facilities that support new instructional models, including STEM schools, where facilities are planned to encourage creativity, flexibility and effective learning - minus the traditional classroom. The migration of the District to a 21st Century instructional model requires a balanced sensitivity toward application in an aged infrastructure.

The District benefits from the extensive knowledge TDA has of its buildings, staff and processes. Our team can assimilate quickly and guide the District through an effective public engagement process, analysis of options, and delivery of master plan alternatives that provide the means to a 21st Century model that the District can accomplish, not just dream about.

The District has known TDA as forthright and practical in its assignments over the years, and now the opportunity exists to see another side of this relationship, to deepen it in pursuit of the District's vision for its' students and the communities for which it serves. We propose working closely with Fielding Nair, in the ideal team, crafted together by the District, for the best approach. The master planning process is a large undertaking -- emotionally, financially and physically. By creating its own team, CH-UH brings together: 21st Century language and a trusted design response from professional firms that the District already knows and trusts and can work with, on their terms.

Sincerely,



Christopher D. Smith
Partner

A.2. company overview

- (a) *years of existence:* 60 years; 22 years under the name TDA
- (b) *legal form of firm:* Limited Liability Company (LLC)
- (c) *location of home office:* 4135 Erie Street, Willoughby, OH 44094
- (d) *general firm history:*

“We are in the thinking business.” This has been the guiding principal behind TDA’s success for more than two decades.

TDA was originally founded as Huston Associates in 1951 by the late architect, Bruce Huston. Based in Willoughby, Ohio, Huston Associates was a recognized leader in educational facility design. In 1989, Huston retired and Robert Fiala, a former employee of Huston Associates, became the managing partner and renamed the firm ThenDesign Architecture.

The name ThenDesign was created from the word “thencan,” the Old English word for “think.” We believe that successful design is fostered by the art of thinking - **thinking about your needs** and developing aesthetically appropriate and workable design solutions to meet those needs.



ThenDesign became known as TDA Architecture in 2008 and even though the name has changed, this guiding philosophy of thought still holds true, “think, design, act.”

Today, TDA continues the legacy of providing superior educational planning and design services. This experience has witnessed the completion of countless projects including site assessments, master plans, energy conservation modifications, long-term maintenance plans,

consensus building, capital improvements projects, grant applications, renovations and new construction. Currently, more than 70% of all projects within our office are for educational clients.





The end product of our design services varies greatly from client to client, but each project starts with one common element. True to our philosophy, we begin by thinking about those things that are most important to you and begin to design around those elements. On both a personal and thought-provoking level, we tailor our services based on the needs of our clients. Whatever the project type, our clients have come to know that we put careful thought into every design.

Filtered with experiences and influences from many sources, we are trained to view design obstacles with a critical eye. Drawings, models, and specifications are merely the instruments used to transfer our ideas into reality. Considering design issues from every angle, we develop the best solution within the parameters of the project and follow-through to completing of construction.


“...We are not in the drawing business; we are in the thinking business.”

Utilizing the most advanced computer and office equipment, we strive to provide the client with the most efficient and cost-effective services available. Our cutting-edge technology coupled with quality personnel and personal service, promotes value and ultimately, client satisfaction.




A.3. insurance certificate

section A.3. • insurance certificate

	CERTIFICATE OF LIABILITY INSURANCE	DATE (MM/DD/YYYY) 9/2/2010														
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p>																
<p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p>																
PRODUCER Selvaggio, Teske & Associates 3401 Enterprise Parkway, Suite 101 Beachwood OH 44122	CONTACT NAME: Patricia Cholewa PHONE (A/C, No, Ext): 216-839-2807 FAX (A/C, No): 216-839-2815 E-MAIL ADDRESS: pcholewa@stassociates.net PRODUCER CUSTOMER ID #: THEND-1															
INSURED ThenDesign Architecture, Ltd. 4135-4137 Erie Street Willoughby OH 44094	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Charter Oak Fire Insurance Co</td> <td>25615</td> </tr> <tr> <td>INSURER B: Travelers Indemnity Co of Amer</td> <td>25666</td> </tr> <tr> <td>INSURER C: XL Specialty Insurance Co.</td> <td>37885</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Charter Oak Fire Insurance Co	25615	INSURER B: Travelers Indemnity Co of Amer	25666	INSURER C: XL Specialty Insurance Co.	37885	INSURER D:		INSURER E:		INSURER F:	
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INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> AI Primary <input checked="" type="checkbox"/> Severability GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/>	Y	Y	6804400L163	8/31/2010	8/31/2011	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 OH Stop Gap \$1,000,000
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> AI Primary	Y	Y	BA4400L396	8/31/2010	8/31/2011	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE \$ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C	Professional Liability Claims Made Retro Date: 12/31/1989	N	Y	DPR9686518	8/31/2010	8/31/2011	Each Claim 2,000,000 Aggregate 2,000,000 Pollution & Envir. Liab. Included

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 If Additional Insured and/or Waiver of Subrogation endorsement is provided by policy as indicated by "Y" above then these coverages are automatically endorsed to Certificate Holder named below, but only when required by written contract or agreement.

CERTIFICATE HOLDER	CANCELLATION 30 Day NOC/10 Day NOC-Non-Payment
Specimen For Purposes of Evidencing Coverage Only OH 44094	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 

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B. Project-Specific Information

B.1. facility master planning experience

TDA has been responsible for **\$1.75 billion in master planning** over the past five years. We are adept at seeing the “big picture,” prioritizing immediate and future educational needs.

Mayfield City School District, Mayfield Heights, OH

- Over a three-month period, assessed ten (10) district buildings, recommended improvements and provided associated costs
- Worked closely with the superintendent, treasurer, business manager and curriculum director
- Master planned for approximately \$16 million in new construction and/or renovation at each of the District’s buildings
- Construction underway

“TDA is **more** than just our architect. As our **strategic partners**, they are **helping** us work through this process. Chris’ **understanding** of the **complexities** surrounding funding **options** for school construction has been **invaluable** to Mayfield.”

- Mr. Scott Snyder, Treasurer
Mayfield City SD 440.995.7230

Cleveland Metropolitan School District, Cleveland, OH

- Approximately \$1.5 billion master plan
- Serving as master planning consultant to the new executive board for district-wide renovations and new construction; negotiating with the OSFC
- Assessed 17 school buildings as part of the Warm, Safe & Dry Program to address life-safety issues
- Completed approximately \$350 million in construction in the past 5 years
- Planning includes athletic facilities and shared community use spaces
- Involved with land acquisitions and appraisals
- Assisting in development of “swing space” strategies
- Intense involvement with local community groups
- On-going planning, design and construction

CMSD
Mr. Gary Sautter, Deputy Chief of Capital Programs
216.574.8500
Mr. David Riley, District Counsel
440.801.1960

Kirtland Local School District, Kirtland, OH

- Reviewed twenty (20) possible construction scenarios and initiated a consensus-building effort to elicit community response and input
- Designed district-wide strategic master plan; single-phase, complete project
- Implemented \$16.6 million capital improvements program
- Work included a building two-story addition and renovations
- Completed in 2010



“Bob and Chris were extremely **sensitive** to the **diverse demographics** of the Kirtland School District. Understanding the **needs** of the more ‘established’ Kirtland and the ‘newer’ Kirtland residents was **critical** in gaining the **support** of the entire **community**.”

- Dr. Stan Lipinski, *retired* Superintendent
Kirtland Local SD 440.487.7159 (cell)



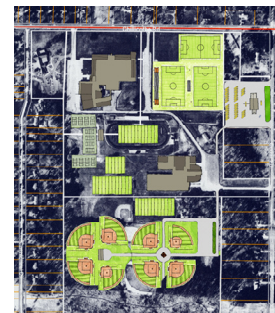
Willoughby-Eastlake City School District, Willoughby, OH

- \$230 million in master planning underway
- Developed phased short- and long-term plans
- On-going planning, design and construction

“Chris has a firm **understanding** of not only the available **funding** opportunities, but also how we should **responsibly** spend the funds we have. We rely on them as our consultants, **not just** our architects.”
 - Dr. Keith Miller, *retired* Superintendent
 Willoughby-Eastlake City SD 440.479.8094 (cell)

West Geauga Local School District, Chesterland, OH

- Developed district master plan that was implemented and updated annually
- Prioritized into short- and long-term goals
- Enrollment analysis and projections, as well as demographic analysis of the multiple communities that make up the District
- Overall athletic facilities analysis to combine local recreation board and district assets
- Transportation facility analysis that included relocation of bus compound



West Geauga Local School District
 Dr. Tony Podojil, retired Superintendent
 440.221.1862 (cell)

Valley Christian Academy, Aurora, OH

- Developed a 3-phase, \$3.5 million strategic master plan
- Constructed Phase I
- \$1.1 million for Phase I which included and addition and renovation

“TDA went right to work on a long-range master plan for our campus. I was impressed with Chris’ ability to **really listen** to our dreams, as well as our needs, and turn them into working plans and drawings. TDA **truly cared** about our project and can give them my **highest recommendation** as an **excellent firm** with **quality people**.”
 - Mr. Dale Moncrief, VCA Administrator
 Valley Christian Academy 330.562.8191

North Olmsted City School District, North Olmsted, OH

- Master plan includes possible conversion of Pine Elementary into Middle School; new addition doubling size; new athletic facilities; demolition of portions of existing MS; renovation of auditorium for community use
- To date, completed renovations at High School include band room, science labs, parking lots, and outdoor athletic facilities

North Olmsted City School District
 Dr. Cheryl Dubsky, Superintendent
 440.779.3548



Brooklyn City School District, Brooklyn, OH

- Assessed each of the district’s buildings and developed a master plan
- Developed plans for a campus setting
- Began building partnerships with various community organizations
- Attended series of community meetings and provided graphic support

Brooklyn City School District
Mrs. Cynthia Walker, Superintendent
440.729.6815

Mentor Exempted Village School District, Mentor, OH

- Master planning for capital improvements based on District’s yearly permanent improvement funds
- Implementing capital projects in phases
- Completed \$3 million in capital projects; providing on-call services

TDA’s **ability** to help us **map out** our capital expenditures has been **essential** in **planning** for the District’s **immediate** and **future** needs.”
- Ms. Diana Zarlenga, *former* Director of Business Operations
Ms. Jen Skulski, Director of Business Operations
Mentor Exempted Village SD 440.974.5224

Cleveland Heights-University Heights City School District, University Heights, OH

- Developed a 3-phase strategic master plan; constructed Phase I
- Assessed and developed master plan for 16 buildings within the district
- Reviewed capital improvement budgets to prioritize short and long term projects
- Developed overall district strategy to upgrade all buildings and sites
- Organized an improvements schedule
- Completed capital improvements without interruption of summer and school activities
- 10-year relationship with the District



Kirtland Master Plan & K-12 Capital Improvements



size

190,000 total sf
1,000 students

final construction cost

\$ 16.6

completion date

Ongoing improvements

project type

Master Plan, new construction and renovations

owner/contact

Kirtland Local School District

Dr. Stan Lipinski, Superintendent
440.256.3366

professional services

Bond campaign assistance & educational planning, programming, architecture, interior design

project highlights

- Worked with the Board to develop a district-wide masterplan
- Reviewed over a dozen possible construction scenarios and initiated a consensus-building effort to elicit community response and input
- Final plans included:
 - Additions and renovations to all buildings including new science & technology wing
 - New middle & high school lockers
 - New middle school elevator
 - New second floor elementary addition
 - ADA accessibility



Thomas Jefferson: International Newcomers & Ninth Grade Academy



size

100,930 total sf
785 students

cost

\$ 14.9 million

completion date

Winter 2010

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design; intensive community
engagement

project highlights

- Tight site required 3-story design
- Midway through construction, CMSD decided to consolidate newcomers program into this new building
- Worked closely with District and CM to quickly redesign what was to be a PK-8 building to a K-12 Newcomers Academy, serving students from 25 countries
- Designed as a safe, urban school
- Building houses a district welcome center for immigrant students and their families; 400 ninth grade students attending a Ninth Grade Academy; and a New Tech Academy



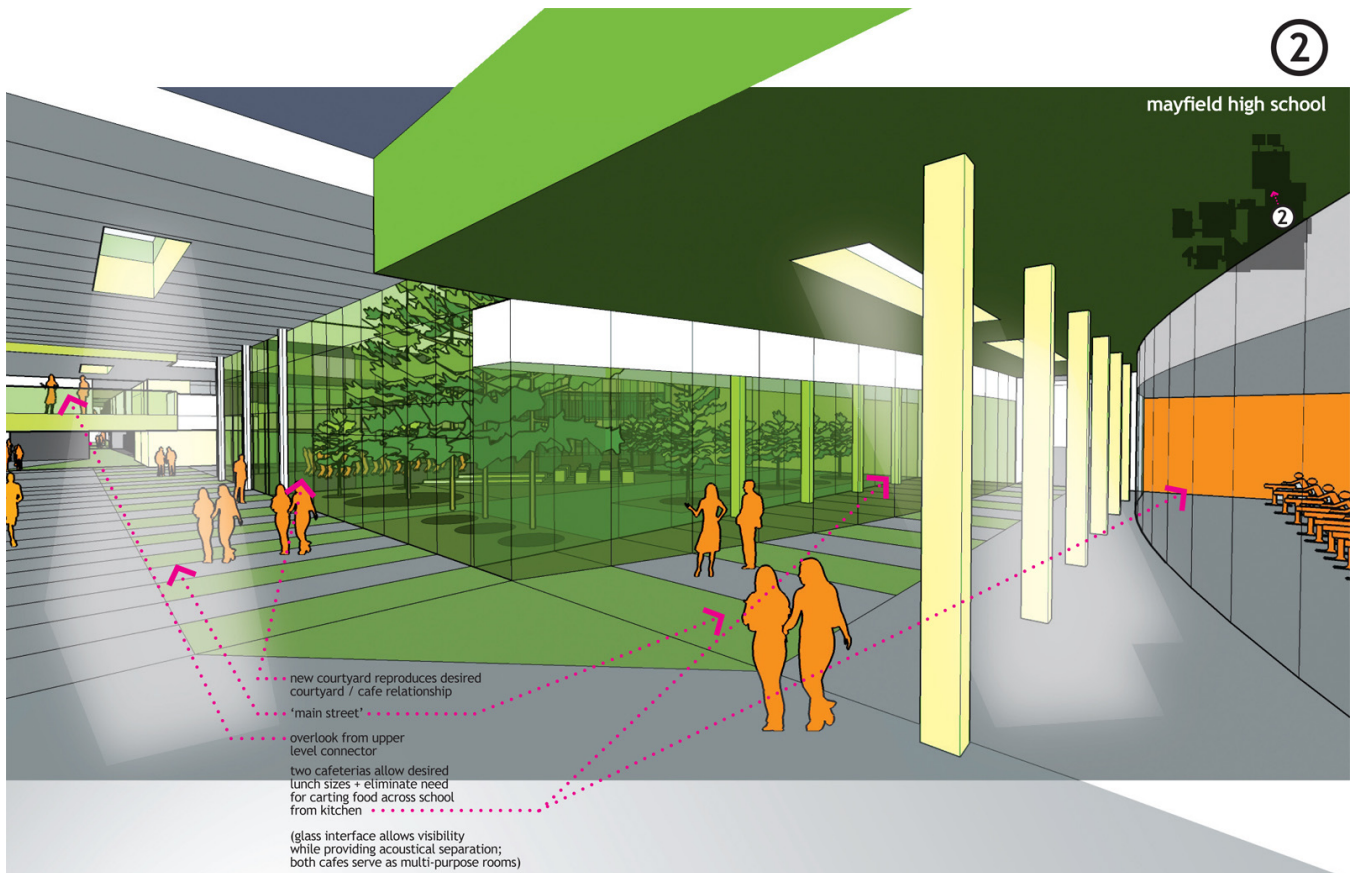
*TDA is the founder of CEDA,
a team brought together to
better serve CMSD.*



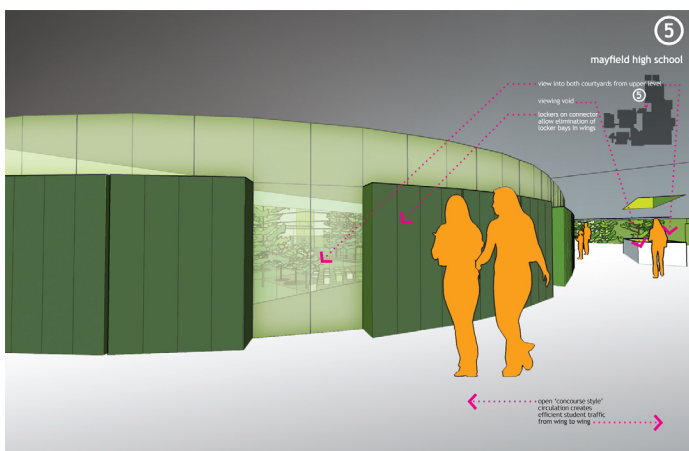
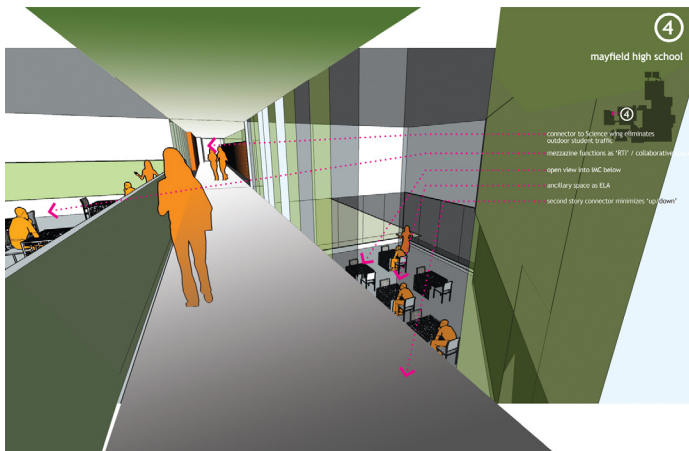
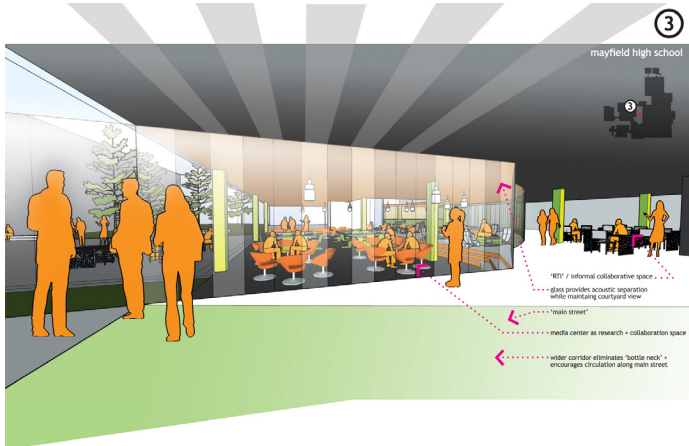
3145 West 46th Street
Cleveland, Ohio



Mayfield High School



6116 Wilson Mills Road
Mayfield Village, Ohio



size
20,000 sf addition (449,945 gsf)
1,400 students

estimated construction cost
\$ 10 million

project type
Masterplan, new construction and renovations

owner/contact
Mayfield City School District
1101 SOM Center Road, Mayfield Hts, OH 44124
Dr. Phillip Price, Superintendent
440.995.6800
Mr. John Folkman, Business Services Director
440.995.7220
Mr. Scott Snyder, Treasurer
440.995.7230

professional services
Educational planning, programming, architecture,
interior design & civil engineering

- project highlights**
- New media center and café
 - Improved circulation with ‘main street’ connector
 - Consolidate administration in two-level offices
 - Provide RTI (Response to Intervention) spaces, and other collaborative spaces for group and project-based learning
 - Decentralize locker bays to facilitate circulation and security
 - Create single prominent entry for all school visitors and after hours events

- pool & fieldhouse**
- Add new athletic weight room, wrestling room and athletic director office at south of school
 - Consolidate locker rooms and reconfigure to provide varsity, academic, and public lockers; as well as an athletic screen room
 - Reconfigure entry/lock-off to pool and fieldhouse to enhance security
 - Eliminate bank on track
 - Replace pool boilers

North Olmsted Master Planning & Renovations



size

155,000 sf (MS)
1,120 students (MS)

cost

TBD

completion date

On-going

project type

Master planning & renovations

owner/contact

North Olmsted City School District
27425 Butternut Ridge Road
North Olmsted, OH 44070
Dr. Cheryl L. Dubsy, Superintendent
440.779.3548

professional services

Bond campaign assistance, educational planning,
programming, architecture & interior design

project highlights

- Renovations at HS include band room, science labs, parking lots, and outdoor athletic facilities
- Master plan includes possible conversion of Pine Elementary into Middle School; new addition doubling size; new athletic facilities; demolition of portions of existing MS; renovation of auditorium for community use

27425 Butternut Ridge Road
North Olmsted, Ohio

West Geauga Master Plan & Capital Improvements



size

150 acres
3 sites

cost

Approx. \$3 million

completion date

2009

project type

Master planning, new construction and renovations

owner/contact

West Geauga Local School District
8615 Cedar Road, Chesterland, OH 44026
Dr. Tony Podojil, retired Superintendent
440.221.1862 (cell)

professional services

Educational and athletic planning,
programming, architecture

project highlights

- Included current enrollment statistics, a 10-year enrollment projection, and a demographic analysis of the multiple communities that make up the District
- Each school building systematically assessed to determine the state of the facility and any additional needs
- Provided renovation and upgrade recommendations and associated costs for each building in the District
- Made recommendations for improvements and the expansion of athletic facilities
- Designed and replaced track and fieldhouse

Mentor Exempted Village School District Capital Improvements



cost

\$ 3.1 million

project type

New construction and renovations

owner/contact

Mentor Exempted Village School District
7060 Hopkins Road, Mentor, OH 44060
Ms. Diana Zarlenga,
Director of Business Operations
440.974.5224

professional services

Architectural, engineering, technology design

project highlights

- High School I-Wing (Industrial, Arts, Physics)
- Integrated video scoreboard & camera
- New stadium sound system
- Specified on-site training for in-house operators; integrated the operation with the District's technology curriculum
- Weight room renovation
- District-wide paving
- Auxiliary gym



B.2. project team & organization

Our in-house staff includes architects, interior designers, planners, support technicians, field administrators, and clerical staff. With expertise in developing program specifications, cost estimating and scheduling, completing design documents, bidding the project, and construction oversight, our depth of personnel allows us to properly staff varied projects, from master planning efforts and smaller-scale renovations to the construction of new school buildings.

A well-organized, professionally staffed project team is a key factor in providing effective A/E services. An important part of our approach to providing these services is the establishment of a single point of contact. Equally important is the continuity of the team throughout the project's duration. Our proposed personnel are ready to serve you through the completion of this assignment.

Given that our office is just 30 minutes from your District, we can react quickly to your project needs. In addition, a principal is assigned to every project, ensuring that you will have an owner of the firm involved throughout the duration of your project.

This section includes résumés for **key** members of the master planning project team highlighting his technical training, education and experience. Additional staffing is readily available and will be utilized in order to meet deadlines; résumés for those individuals are available for your review. As the project shifts into the design phase, additional team members would be added, including interior designers, project architects and construction administrators.

To follow, we have included an organization chart and resumes. Based on current workloads, this project team is readily available to the District and **commits their time to meet the proposed deadline**. The team we've presented in this SOQ is the same team you will have working on your project - as we never offer up the "A Team," only to deliver the "B Team" once the project is awarded. While TDA has several projects underway, all in various stages, we have the staff capacity and the experience to perform work expeditiously.





Primary Services:

Secondary Services:

Master Planning Consultant



Chris Smith, RA, LEED AP, NCARB
Lead Educational Planner, Designer & Public Engagement Specialist
14 years @ TDA
csmith@thendesign.com

- Primary CH-UH contact
- 21st Century educational planner
- Managing public engagement process
- Building assessments



Bob Fiala, AIA, NCARB
Educational Planner, Designer & Public Engagement Specialist
22 years @ TDA
rfiala@thendesign.com

- Assist in planning
- Participate in public engagement process
- Fostering community partnerships



Jeff Henderson, RA, NCARB
Project Architect & Designer
9 years @ TDA
jhenderson@thendesign.com

- Participate in public engagement process
- Obtain cost estimates from engineers
- Design deliverables



Bob Orovets, RA, LEED AP
Project Architect
15 years @ TDA
rorovets@thendesign.com

- Building assessments
- Field verifications



Guy Hicks, PE, LEED AP
Mechanical Engineering

Jeff Miterko, PE, LEED AP
Electrical Engineering

John Spolarich
Technology Engineering
Thorson Baker & Associates, Inc.

Bob Jordan, PE
Structural Engineering
Barber & Hoffman, Inc.

John Urbanick, PE
Civil Engineering
Greenland Engineering, Inc.

Cost & Constructability Consultant





project role

Lead Project Executive

education

- Public School Planning & Design
Harvard University, 2001
- Urban School Planning & Design
Harvard University, 2001
- Bachelor of Architecture
Kent State University, 1996
- Bachelor of Science
Kent State University, 1995
- Bachelor of Arts and Bachelor of Geography
with minors in Urban Planning and Cartography
Kent State University, 1993

professional registrations

- Registered Architect, State of Ohio
- Leadership in Energy and
Environmental Design,
Accredited Professional (LEED AP)
- National Council of Architecture Registration
Boards (NCARB)
- Ohio Department of Education
Pupil Supervisory Permit

professional affiliations

- United States Green Building
Coalition (USGBC)
- CEFPI, Council of Educational
Facility Planners International

professional experience

As a Partner with TDA, Chris offers a diverse background in master planning program development and educational facilities design. He will be involved with this project 100%; from conception through execution. Chris has vast knowledge of 21st Century School design and at your request, he will attend Board meetings to provide project updates or to address questions from the community, faculty and parents. Chris has tremendous amount of experience with community engagement efforts and consensus building.

relevant experience

Thomas Jefferson: International Newcomers & Ninth Grade Academies, Cleveland, OH

Principal-in-Charge & Master Planning Team / Academy follows Sheltered Instruction Observation Protocol model for international students

MC²STEM High School @ Great Lakes Science Center, Cleveland, OH

Principal-in-Charge & Master Planning Team / Partnered with NASA Glen Research Center to develop the 9th grade STEM school program

MC²STEM High School @ General Electric's Nela Park, Cleveland, OH

Principal-in-Charge & Master Planning Team / First STEM school to house a 10th grade program at an industry corporate campus

The Campus International School, Cleveland, OH

Principal-in-Charge & Master Planning Team / Incorporates the International Baccalaureate curriculum, technology-rich environment and hands-on learning

Promise Academy at Washington Park School, Cleveland, OH

Principal-in-Charge & Master Planning Team / Uses NovaNET to provide students with method of earning credit towards graduation

Mayfield City SD, Mayfield Heights, OH

Project Executive / Master planning, building assessments and various ongoing renovations and capital improvements at each school throughout the district

Willoughby-Eastlake City SD, Willoughby, OH

Principal-in-Charge / District-wide renovations and building additions; athletic facility improvements

West Geauga Local SD, Chesterland, OH

Principal-in-Charge / District master plan including new athletic complex and transportation center



project role

Project Executive

education

- Bachelor of Architecture
University of Notre Dame, 1976
- University of Notre Dame
Rome, Italy, 1974

professional registrations

- Registered Architect, State of Ohio,
License A8006653
- Other states include PA, NY, MI, VA, KY, IL, IN,
GA, NC, SC, WV, FL, TN
- National Council of Architecture Registration
Boards (NCARB)

professional affiliations

- AIA (American Institute of Architects), member
- AIA Cleveland, member, past president, and
former associate director
- CEFP (Council of Educational Facilities
Planners), member
- SMPS (Society for Marketing Professional
Services), member
- City of Willoughby, Councilman
- City of Willoughby, Planning Commission
- Lake County Port Authority Project
Advisory Panel
- Willoughby Area Chamber of Commerce,
Trustee
- Heart of Willoughby, Trustee
- Chagrin River Watershed, Trustee
- HUD/AIA Research Corporation, developing
BEPS (Building Energy Performance Standards)
- SCUP (Society for College and University
Planning), member

seminars/training

- Ohio Department of Energy, training certified
energy auditors to review facilities
- ADA seminar, program moderator
- OACD (Ohio Association of Community
Development), speaker at annual meeting
- Visiting lecturer at Kent State University

professional experience

Bob has been involved at all levels of educational projects since 1976 when he joined the school design firm of Huston Associates. In 1989, he formed his own company by acquiring Huston and establishing, ThenDesignArchitecture, Ltd. As Principal-in-Charge on many educational projects, he oversees the administration of design, production, scheduling, and budgeting.

relevant experience

Mayfield City SD, Mayfield Heights, OH

Quality Control / Master planning, building assessments and various ongoing renovations and capital improvements at each school throughout the district

Dalton Local SD, Kirtland, OH

Principal-in-Charge / Bond issue campaign support, new 83,000 SF PK-8 school & high school gym addition; OSFC/ELPP

Kirtland Local SD, Kirtland, OH

Principal-in-Charge / District master plan - new construction of elementary and high school classrooms; high school renovations include science labs, common areas, and athletic field upgrades

Independence Local SD, Independence, OH

Principal-in-Charge / Independence HS - new 650-student, grades 9-12 high school featuring science labs, 1,200-seat auditorium, and a 50,000 sf, city-owned fieldhouse with indoor track; current high school renovated to house middle school program

North Olmsted City SD, North Olmsted, OH

Principal-in-Charge / Updated district master plan & renovations to various spaces throughout the district

Lake County M R/DD

Principal-in-Charge / Master planning and renovations - assess 9 facilities to check for code compliance and general performance as it relates to MR/DD curriculum; two renovation projects

Massillon City SD, Massillon, OH

Principal-in-Charge / Massillon Middle School - new 1,450-student, grades 5-8 middle school; 185,000 sf, two-story design featuring "grade house" concept for team teaching; OSFC/ENP

Additional School Districts

Willoughby-Eastlake City, West Geauga Local, Cleveland Metropolitan, Mentor Exempted Village, Centerville City, Madison Local, Orange City, Aurora City, Crestwood Local, Strongsville City



project role

Project Manager

education

- Bachelor of Science in Architecture, The Ohio State University, 1979 (Summa Cum Laude)
- Summer Exchange Program, Oxford University, Oxford, England, 1978

professional registrations

- Registered Architect, State of Ohio
- Other states include IN, IL

professional experience

Jeff plays an important role in leading the design teams on many of our complex projects, primarily for K-12 school buildings. He will be your day to day contact and will be involved in 100% of your project. With Jeff's experience, he understands 21st Century School design requires creativity and thinking beyond the typical classroom and as Project Manager, he will resolve operational and technical interface challenges to allow success in the project.

relevant experience

Thomas Jefferson: International Newcomers & Ninth Grade Academies, Cleveland, OH

Project Manager & Master Planning Team / Academy follows Sheltered Instruction Observation Protocol model for international students

MC²STEM High School @ Great Lakes Science Center, Cleveland, OH

Project Manager & Master Planning Team / Partnered with NASA Glen Research Center to develop the 9th grade STEM school program

MC²STEM High School @ General Electric's Nela Park, Cleveland, OH

Project Manager & Master Planning Team / First STEM school to house a 10th grade program at an industry corporate campus

Mayfield City SD, Mayfield Heights, OH

Project Manager / Master planning, building assessments and various ongoing renovations and capital improvements at each school throughout the district

Twinsburg City School District, Twinsburg, OH *

Project Manager / District master plan - five-year, \$10 million plan; included additions to and renovations of each building within the District

Kirtland Local SD, Kirtland, OH

Design Team / District master plan - new construction of elementary and high school classrooms; high school renovations include science labs, common areas, and athletic field upgrades

Independence Local SD, Independence, OH

Design Team / Independence High School - new 650-student, grades 9-12 high school featuring science labs, 1,200-seat auditorium, and a 50,000 sf, city-owned fieldhouse with indoor track; current high school renovated to house middle school program

Wellington Exempted Village SD, Wellington, OH

Design Team / New PK-12 School - \$50 million project includes new auditorium and stadium; bond campaign assistance; OSFC/ELPP

* work performed while with another firm





project role

Project Architect

education

- Bachelor of Architecture, Kent State University, 1983
- Bachelor of Science, Kent State University, 1982

professional registrations

- Registered Architect, State of Ohio

professional affiliations

- City Architect, South Euclid, Ohio
- Chairman of Architectural Board of Review, South Euclid, Ohio

continuing education

- Liability seminar, Victor Schiener Insurance
- Woods in construction seminar, National Council on Wood Manufacturers
- Computer technology, Cleveland State University
- Law for design professionals, Lorman Educational Services

professional experience

Bob manages the daily activities of all technical staff and is committed to providing outstanding design services tailored to meet the needs of our clients. He has more than 25 years of design experience. As Project Architect, he will be responsible for coordinating document distribution as well as field measurements.

He is Chairman of the Architectural Board of Review for South Euclid, Ohio. He also works with numerous developers in identifying buildings which can be improved, particularly for retailers. He has experience in working with urban designers, landscape architects, transportation engineers, and planners.

relevant experience

Cleveland Hts. - University Hts. City SD, Cleveland Hts., OH

Senior Project Architect / Multiple building renovations and new additions

Mayfield City SD, Mayfield Heights, OH

Senior Project Manager & Design Architect / Master planning, building assessments and various ongoing renovations and capital improvements at each school throughout the district

Kirtland Local SD, Kirtland, OH

Senior Project Manager & Construction Oversight / District Master Plan - new construction of elementary and high school classrooms; high school and middle school renovations include science labs, common areas, and athletic field upgrades; \$16.6 million

Gilmour Academy, Gates Mills, OH

Project Architect / New 45,000 sf facility with NHL - sized hockey rink, locker facilities, and training facility

Barnet-Hoover Farmhouse, University of Akron, Akron, OH

Senior Project Architect / Restoration of historic farmhouse

City of Cleveland Heights, Cleveland Heights, OH

Senior Project Architect / Dispatch center renovation, Fire Station #1 and #2 renovation, Cumberland and South Pools renovation

City of Shaker Heights, Shaker Heights, OH

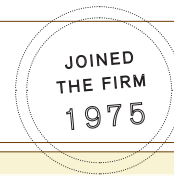
Project Architect / Renovation of Police, Fire & Dispatch Center

City of Highland Heights, Highland Heights, OH

Project Architect / Baseball field lighting

City of Maple Heights, Maple Heights, OH

Project Architect / Facilities program & design of Police Station



RESPONSIBILITIES

Mr. Jordan currently serves as the President/Treasurer of Barber & Hoffman Inc. managing in-house operations. In addition to these duties he serves as Principal in Charge and Project Manager of commercial, institutional, and restoration projects for architects, building owners and managers, contractors and consulting engineering firms. Through his 30 years of experience he has worked on various types of projects of different magnitude and developed an expertise in conceptual studies, analysis and design of major projects, design of parking structures, and investigation and restoration of structural deterioration.

Mr. Jordan has been associated with Barber & Hoffman Inc. since 1975. In his years with the firm, he has developed from structural designer to Project Manager. Following these years of training, he assumed the position of Office Manager in 1987 and was named an Associate with the firm. As Office Manager he supervised the daily activities of the staff. In 1991 he became a Principal of the firm and in 2003 was appointed President/Treasurer.

PROJECT EXPERIENCE

RECENT PROJECTS FOR CLEVELAND HEIGHTS-UNIVERSITY HEIGHTS SCHOOL DISTRICT:

- Education Building - Load check for new rooftop units
- Taylor Elementary School - Taylor NOC
- Oxford Elementary - New stairs
- High School - New elevator
- Fairfax Elementary - New interior canopy
- Gearity Elementary Renovation
- High School - Mechanical unit load check

ST. JOHN MEDICAL CENTER - CONDITION ASSESSMENT AND MASTER PLANNING

Westlake, Ohio ▪ Performed visual observations of the building's exterior façade and structural framing where accessible to note areas of building distress and provided recommendations for repair for obtaining cost estimating. Reviewed structural drawings to determine allowable superimposed design loads on all buildings and performed limited analysis of structure to determine expansion possibilities of the building to aid in the master planning.

ST. JOHN MEDICAL CENTER - MASTER PLAN

Westlake, Ohio ▪ Barber & Hoffman provided structural engineering services in aiding our architectural client in developing a master plan. Our services included review of existing structural drawings to determine load capacities of existing floor framing to determine appropriate use of existing buildings. We also reviewed existing building structures for the capability of vertical or horizontal expansions to accommodate new additions and provided structural narratives of the proposed work of the master plan.



EDUCATION:

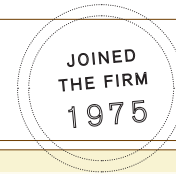
- Pennsylvania State University, 1975
Bachelor of Architectural Engineering

REGISTRATION: P.E. 1992

- Ohio
- Pennsylvania
- Michigan
- West Virginia
- New York

PROFESSIONAL AFFILIATIONS:

- 2010 Recipient of the Cleveland Engineering Society Hall of Fame Award
- American Council of Engineering Companies, Ohio and National
- Cleveland Consulting Engineers Association
- Structural Engineers Association of Ohio
- Cleveland Engineering Society
Construction Conference Chairman 1989-1990; Construction Division Chairman 1991-1992
- Concrete Reinforcing Steel Institute
- Builders Exchange of Cleveland
Craftsmanship Award Committee 1987-1997; Board of Directors 2004-2010
- International Concrete Repair Institute
- American Institute of Steel Construction



ADDITIONAL PROJECT EXPERIENCE

BUILDING ASSESSMENTS

Performed structural inspections and assessments of the floors, roof framing, and all other load-bearing elements. Inspected exterior wall systems for distress. Developed report indicating our findings and developed opinion of probable cost for repairs:

- University Hospitals Health System Medical Office Building
- University Hospitals Health System Georgian Building
- Audubon School - Original 1921 Building
- Fawcett Stadium North and South Grandstands
- Cleveland Clinic Foundation Fairhill Parking Garage
- Cleveland Clinic Foundation W. O. Walker Building
- Cleveland Clinic Foundation Corporate Ninety Office Building

COMMUNITY HEALTH PARTNERS - MASTER PLAN

Lorain, Ohio • Performed visual observations of the building's exterior façade and structural framing where accessible to note areas of building distress and provided recommendations for repair for obtaining cost estimating. Reviewed structural drawings to determine allowable superimposed design loads on all buildings and performed limited analysis of structure to determine expansion possibilities of the building to aid in the master planning.

CLEVELAND METROPOLITAN SCHOOL DISTRICT:

Cleveland, Ohio • Mary B. Martin K-8 Facility: Renovations to an existing 70,800-square-foot elementary school. Improvements to the load-bearing masonry wall structure included the installation of an elevator, removing load-bearing masonry walls, and supporting five new mechanical roof top units.

Cleveland, Ohio • Mary Bethune K-8 Facility: Renovations to an existing 70,800-square-foot elementary school along with a 13,700-square-foot addition. Both the existing school and the addition are constructed with load-bearing masonry, steel joist framing, composite concrete and metal deck floor construction, and shallow spread footings. Renovations to the existing structure included floor infill framing, removal of load-bearing masonry walls, and support for five new rooftop units.

Cleveland, Ohio • Daniel Morgan K-8 Facility: A new 67,500-square-foot elementary school and gymnasium. The new facility utilized masonry walls for load-bearing elements and for lateral resistance. The floors were primarily framed using steel joists with steel beams used in limited areas. The gym roof was framed using steel trusses and beams while the remainder of the school was framed with light-gage steel trusses.

CLEVELAND CLINIC - NEW PATHOLOGY AND LABORATORY MEDICINE INSTITUTE (REFERENCE LAB)

Cleveland, Ohio • A new four-story, 130,000-square-foot steel structure supported on caisson foundations. The building will primarily be used for laboratories and some office space. The laboratory areas require high floor to floor height (20' range) and openness for the laboratory functions and the vibration-sensitive equipment.

MEDICAL:

- Cleveland Clinic - Main Campus
- University Hospitals Health System
- Bucyrus Community Hospital
- Summa Health System
- Marymount Hospital
- Hillcrest Hospital

HIGHER EDUCATION:

- Bowling Green State University
- Muskingum College
- Pennsylvania State University
- Kent State University
- Case Western Reserve University
- Baldwin Wallace College
- University of Akron
- Hiram College

K - 12:

- Cleveland Metropolitan Schools
- Hathaway Brown
- Avonworth School District
- Noble County Schools
- Laurel School

OFFICE BUILDINGS:

- FedEx Ground-Corporate Hqtrs.
- Chestnut Commons MOB
- Pennsylvania Turnpike Commission

RELIGIOUS:

- St. Ladislav Church
- Gesu Parish

CIVIC:

- Mayfield Country Club
- New Albany Performing Arts Center
- Clemens Center
- Fawcett Stadium

Mary Bethune K-8 Facility
Cleveland, Ohio





GUY R. HICKS, PE, LEED AP
PRINCIPAL
MECHANICAL DEPARTMENT HEAD

Registered Engineer:
25 States
26 Years Experience
Firm Principal
Mechanical Design
Project Management
LEED Accredited Professional

Education:

Guy joined **THORSON BAKER & Associates, Inc.** in April 2008 as a Principal in the Mechanical Engineering Department after 17 years as Principal and Owner of Keyser/Hicks Engineering, Inc. His knowledge of the building industry is enhanced by nine years of construction experience prior to 25 years of engineering and design experience, an invaluable background when providing construction administration/observation services. His impressive portfolio includes the design of HVAC, plumbing, fire protection and energy management systems for institutional and educational buildings.

While with his former firm, Guy provided mechanical system designs and studies for Akron Board of Education buildings for 20 years, including boiler replacements, condensing unit replacements, rooftop unit replacements, reduced backflow preventers, facility studies, learning resource centers' additions and multipurpose room additions.

Bachelor of Science/Mechanical Engineering, University of Akron

Professional Registration:

Ohio Registered Professional Engineer and 24 additional States

Representative
Project Experience
with THORSON BAKER:

Barberton Middle School

This new two-story 161,734 SF middle school construction program includes sustainable design components.

Cleveland Metropolitan School District Mound School

64,000 SF for 450 K-8 students. This project is on track to be LEED Silver and will be the first LEED certified school in the district.

Hudson City Schools, Hudson, OH

Hudson Middle School Computer Lab Renovation

Renovation of an existing wood shop classroom space to create a computer lab and a work shop space. Scope included new air conditioning for the computer lab and electrical upgrades.

Mandel Jewish Community Center, Beachwood, OH

The center includes pre-school, childcare, and after-school programs. This major improvement project includes sustainable design components for an 8,500 SF addition, 41,857 SF of major renovation and 55,786 SF of minor renovation. Site improvement for the new addition includes rerouting all utilities for the new fitness center, reworking the East parking lot, and remodeling the Cleveland Clinic portion of the facility.

North College Hill School District

Elementary School, Cincinnati, OH - New 69,240 SF elementary school.

High School & Middle School, Cincinnati, OH - New 131,953 SF high/middle school building with renovation of the existing 5,020 SF auditorium.

The new school is designed to meet LEED Silver certification.



JEFFERY D. MITERKO, PE, LEED AP
PRINCIPAL
ELECTRICAL DEPARTMENT HEAD

Registered Engineer:
49 States
23 Years Experience
Firm Principal
Electrical Design
Project Management
LEED Accredited Professional

Education:

Professional Registration:

Representative
Project Experience:

Jeff joined **THORSON BAKER & Associates, Inc. (TBA)** in February 1997. He is responsible for the management of our electrical department including development and implementation of department standards. Jeff provides engineering design support for our project managers, project engineers, and designers. He is also responsible for quality control, and supervises the preparation of construction documents. Passionate about school building design, Jeff has designed many key educational projects for TBA.

Bachelor of Science, Electrical Engineering, University of Akron

Registered Professional Engineer, State of Ohio and 48 additional States, the District of Columbia, and Puerto Rico

Barberton Schools, Barberton, OH

U. L. Light Elementary - 15,000 SF addition and 67,000 SF renovation.

New PreK-4 - Two-story 79,000 SF school.

Middle School - New two-story 161,734 SF middle school.

High School - Mechanical and electrical upgrades.

Field House - One-story 10,000 SF new stadium field house and electrical upgrades to the outdoor sports complex.

Bay Village Schools Assessment

Assessments of the HVAC system design, operation, and life safety of Bay Middle School, Bay High, Westerly and Normandy Elementary, and Glenview Center for Child Care and Learning.

Cleveland Metropolitan School District

Mound School - 450-student one- and two-story 64,000 SF K-8 school with gymnasium and cafeteria. This project is on track to be the first LEED Silver Certified school in the Cleveland Metropolitan School District.

“Warm, Safe and Dry” Program - Security, emergency lighting, and fire alarm systems for 17 schools.

Cloverleaf PreK-4 School, Lodi, OH

New 128,000 SF school building pursuing LEED Silver Certification.

Cuyahoga Falls Faber Vocational School, Cuyahoga Falls, OH

One-story 3,800 SF classroom/office addition between two existing autobody shop buildings, and evaluation of the existing 11,700 SF mechanical and electrical systems. Fire protection sprinkler system.

Fairless School District, Navarre, OH

103,501 SF elementary school and 67,741 SF middle school.

JEFFERY D. MITERKO, PE, LEED AP
PRINCIPAL
ELECTRICAL DEPARTMENT HEAD

Green Local Schools, Green, OH

One-story 56,581 SF K-5 elementary school and a two-story 98,405 SF 6-12 middle school/high school building to be constructed concurrently on a common campus. These schools are pursuing LEED Silver Certification.

Keystone High School, LaGrange, OH

Two-story 105,000 SF high school with a vocational component consisting of two agricultural education labs, a CAD lab, and health career education spaces.

Lorain County Joint Vocational School,

East wing MEP renovation of numerous classrooms.

Mayfield City Schools, Mayfield, OH

Fire Alarm Upgrade

Complete fire alarm upgrade for the elementary, middle and high schools, bus service garage, bus storage building, and administration building.

Technology System Upgrade

Technology system upgrade for four buildings in the district including elementary, middle, and high schools.

Midview Middle School, Grafton, OH

New 77,000 SF middle school building pursuing LEED Silver certification.

North College Hill School District, Cincinnati, OH

Elementary School - New 69,240 SF school.

High & Middle School - New 131,953 SF building with renovation of an existing 5,020 SF auditorium. The new school is pursuing LEED Silver Certification.

Perry Local School District Cosmetology Building, Massillon, OH

One-story 5,095 SF cosmetology facility.

St. Hilary School, Fairlawn, OH

Gymnasium Addition and Renovation

One-story 16,300 SF gymnasium addition, renovation of existing classrooms for elementary school.

School Addition

4,000 SF second-floor addition to a single-story portion of an existing school building. Minor remodeling of a first floor classroom and garage.

JEFFERY D. MITERKO, PE, LEED AP
PRINCIPAL
ELECTRICAL DEPARTMENT HEAD

South Euclid-Lyndhurst Schools

Brush High School Korb Field Alternations, Lyndhurst, OH

New single-story Visitor's restroom and concession building.

Greenview Upper Elementary School, South Euclid, OH

One-story 30,000 SF addition including classrooms, multipurpose/ gymnasium and restrooms.

Memorial Junior High School Addition, South Euclid, OH

One-story 8,500 SF gymnasium, and connection to main building.

Conversion of existing gymnasium to multi-purpose cafeteria with stage.

Rowland Elementary School Alterations, South Euclid, OH

Renovation of the existing school kitchen and cafeteria. Addition of a new exterior elevator tower serving three floors.

Streetsboro High School, Streetsboro, OH

Electrical and data engineering design services to replace fire-damaged systems.

University School, Hunting Valley, OH

Upper & Lower Campus Electric Utility Cost Evaluations

The evaluations were performed to assist the owner in allocating costs and to identify potential energy saving upgrades.

Wadsworth City Schools, Wadsworth, OH

Three new 2-story 50,000 SF to 55,000 SF elementary schools: Isham, Overlook and Valley View. TBA is providing MEP and technology design for these three schools that are seeking LEED Silver Certification.



JOHN SPOLARICH TECHNOLOGY DESIGNER

As a certified specialist, John is proficient in the design of wireless, CCTV, broadcast TV, Category 3 thru 6 tele/data infrastructure, voice over IP, and video on-demand/media retrieval.

Representative Project Experience:

With ten years of experience in the technology field, John has taken a leadership role in technology design for all **THORSON BAKER & Associates, Inc.** projects. He has been involved in technology design for public, corporate, educational and medical facilities. In addition to the planning and design of projects, John also works directly with the client, contractor, and other consultants to coordinate the work in the field and meet project deadlines. His certifications in the design of a variety of technology systems are exceptional. He is an active member of BISCO, an association of the information transport system industry.

Barberton City School District, Barberton, OH

Field House

Technology design for the new one-story 10,000 SF stadium field house.

New Middle School

Technology design for the new two-story 161,734 SF middle school including sustainable design components.

U. L. Light Elementary School Addition

Technology design for a 15,000 SF addition and 67,000 SF renovation to existing school building; pursuing LEED Silver certification.

Westside Elementary School

Technology design for a new two-story 79,000 SF PreK-4 school.

Cloverleaf Elementary School, Lodi, OH

Technology design for the new 128,000 SF PreK-4th grade school being designed to LEED Silver standards.

Coventry Local School District

High School Expansion

Technology design for the renovation of the existing retail/entertainment complex and a portion of the adjacent existing school converting the bowling alley to classrooms. Total renovated space is 23,181 SF.

Turkeyfoot Elementary School

Technology design for ten modular classroom units.

Cuyahoga Valley Christian Academy, Cuyahoga Falls, OH

Phase II Campus Improvements

Design of technology systems for the 57,000 SF Field House/Commons addition, renovation of 6,500 SF kitchen and locker rooms, and renovation of 18,000 SF of space for fine arts.

Lorain County Community College, Elyria, OH

Technology design for two 3,300 SF modular classroom units.

Midview Middle School, Grafton, OH

Technology design for the new 77,000 SF middle school designed to achieve LEED Silver certification.



JOHN SPOLARICH
TECHNOLOGY DESIGNER

South Euclid-Lyndhurst School District

Greenview Elementary School, Lyndhurst, OH

Design of new technology wing to include data, voice, video and CCTV systems for this one-story 30,000 SF addition including classrooms and a multipurpose/gymnasium.

Memorial Junior High School, Lyndhurst, OH

Design of new technology closet to include data, voice, and CCTV system for this one-story 8,500 SF gymnasium addition, connection to the main building, and conversion of existing gymnasium to a multi-purpose cafeteria.

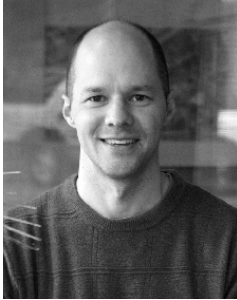
Wadsworth City School District, Wadsworth, OH

Isham, Overlook and Valley View Elementary Schools

Technology design for 3 new elementary schools - Isham, Overlook and Valley View. The three 2-story 50,000 SF to 55,000 SF schools are seeking LEED Silver certification.

Wadsworth High School

Technology design for the 450,000 SF mixed-use high school and community campus. The high school portion is 380,000 SF. The community portion of 70,000 SF incorporates a health center, fitness center, Center for Older Adults, WCTV, and a community library. This \$59,865,100 project is currently under construction.



project role
Civil Engineer

education

- Civil Engineering,
University of Dayton

professional registrations

- Registered Professional Engineer,
E66505

professional experience

John Urbanick is a registered professional engineer. He has twelve (12) years of experience managing and performing civil engineering services on projects including site development, roadway improvements, storm water pollution prevention design and implementation, and utility improvements among others.

education experience

- Mayfield City SD, Mayfield, OH - Mayfield Middle School CVEC pedestrian and vehicle traffic reconfiguration study and site improvement plans including all storm water management; high school site improvement design include all storm water management.
- Dalton Local Schools, Dalton, OH - Building expansion and site design including storm water management facility *
- Notre Dame College, South Euclid, OH - building expansion, parking modifications, entrance design, athletic facility improvements*
- West Geauga Local Schools, Chesterland, OH - new bus garage and parking improvements, site improvements to the high school and middle school athletic fields*
- Cleveland Metropolitan School District, Cleveland, OH - Buhner PK-8 demolition and site design, Mound PK-8 demolition and site design**
- Kirtland Local School District, Kirtland, OH - site design*
- Willoughby-Eastlake City School District, Willoughby, OH - South High School practice field renovation*
- Lakeland Community College, Kirtland, OH - building expansion, parking modifications, athletic facility improvements*

municipal experience

- Cleveland Metroparks, Various locations - Strongsville Park Management Center - 9485 Eastland Road - site design including storm water pollution prevention; Water line extension to serve project

site development

- Lake Metroparks Hidden Lake Lodge - Site planning & facility design: new public parking facilities, nature trail layout and future cabin layout

retail/commercial experience

- Target Construction, Concord, OH - Amerihost Hotel, site design*

* work performed while with another firm

B.3. local participation

TDA is committed to **keeping your community tax dollars local**. All the proposed consultants in this submission are located within 25 miles of the Cleveland Heights-University Heights City School District. Our **experienced and qualified architects and engineers**, located in Northeast Ohio, can meet the needs of your District.

Additionally, Bob Fiala, one of the Project Executives assigned to your project, has been a City of Willoughby Councilman for thirteen (13) years; as such, he is very sensitive to issues related to project budgets and schedules, especially when using taxpayer dollars for construction.

TDA Architecture
Willoughby, OH

- Educational master planning
- Public engagement
- 21st century school design
- Interior design



Barber & Hoffman
Cleveland, OH

- Structural engineering



Thorson Baker & Associates
Richfield, OH

- M/E/P & technology engineering



Greenland Engineering
Willoughby, OH

- Civil engineering



B.4. sustainability

Most of our projects incorporate sustainable design elements, and we explore many options for our clients. Over one third of TDA's staff is LEED-accredited; and we support individuals pursuing LEED accreditation. When requested, required or appropriate, we have the knowledge and experience to certify a building to the level desired, while still being conscience of potential additional construction costs.



At TDA, we also practice what we preach. As a firm, we are educating both our employees and colleagues on methods of improving sustainability within the office. By taking steps such as implementing a recycling program, using recyclable products where available, minimizing paper consumption by sending and receiving digital files, using environmentally friendly cleaning supplies and reducing our energy consumption, we remain environmentally conscious.

Our Process:

We begin our integrated building design with a facility assessment. After a walk-through of the District's facilities, the design team hosts an Eco-Charette with the client. During this meeting, a review of the current conditions is discussed to give a sense of how efficient the building currently is. Possible energy efficient alternative building systems and their method of implementation is then discussed. Once the sustainable concepts have been decided, they are constantly updated, re-visited, and re-evaluated to go along through all phases of design. By using the energy-modeling software, E-QUEST, during the Schematic Design phase, our designers are able to create a 3-dimensional model which shows the various building configurations (windows, wall systems, etc.) that are a part of the energy-saving process.

Sustainable concepts included in many of our educational facility designs:

- No landscape irrigation (saves water)
- No CFC's in HVAC equipment (reduces ozone)
- Use of building materials that are regionally procured and of recycled content
- Individual control of HVAC on all interior spaces, including operable windows
- Increased water efficiency through the use of low-flow plumbing fixtures
- Increased building energy efficiency, 30% or more, from a standard building
- Diversion of 50% to 75% of construction waste from landfills
- Use of low VOC materials (paints, adhesives, carpets, casework)
- Incorporation of daylighting concepts for increased natural light in classrooms and energy savings
- Using the "green" or "sustainable" school as a teaching tool in curriculum
- Solar orientation
- Building orientation



With any of our innovative school designs, we incorporate as many sustainable attributes and energy efficient solutions as possible, which can be challenging given cost and site restraints, yet very beneficial for the environment, the neighborhood, the students, educators and the District. Below is a sample listing of our school energy-focused projects along with the technologies applied.

Recent Project Examples	Technologies Applied
Charles Dickens PK-8 School, New Construction Cleveland, Ohio	Geothermal heating & cooling
Euclid Park PK-8 School, New Construction Cleveland, Ohio	Geothermal heating & cooling; placed wells under parking lot
Mound PK-8 School, New Construction Cleveland, Ohio	On track for LEED Gold-certification; daylight harvesting: each classroom is equipped with light level monitor that will automatically dim down light fixtures when there is sufficient daylight coming in
Nathan Hale PK-8 School, New Construction Cleveland, Ohio	Geothermal heating & cooling; placed wells under parking lot
Cloverleaf PK-4 School, New Construction Lodi, Ohio	On track for LEED Silver-certification; geothermal heating
Maple Leaf Elementary, Renovation Garfield Heights, Ohio	On track for LEED Silver-certification; Increased energy efficiency in renovated portions
Elmwood Elementary, Renovation Garfield Heights, Ohio	On track for LEED Silver-certification; Increased energy efficiency in renovated portions
Girard Jr. & Sr. High School, New Construction Girard, Ohio	Geothermal heating & cooling
MC ² STEM High School at Nela Park, Renovation Cleveland, Ohio	LEED-certified; Triple pane, argon gas filled windows, double typical roof insulation
John Marshall High School, New Construction Cleveland, Ohio	On track for LEED Gold-certification
Max Hayes Career Technical HS, New Construction Cleveland, Ohio	On track for LEED Gold-certification

Any and all energy-efficient design elements are site driven. All schools, buildings, grounds and locations are not the same and the concepts will be adjusted to fit the various needs and challenges which may arise depending on the building. Although the up-front cost may increase, the post-project energy savings are well worth it in the long run.



B.5. innovative educational planning

TDA has designed or is in the process of designing some of the most innovative, “21st century” schools, some of which have garnered national attention. Today’s kindergartners may be retiring in the year 2067. We have no idea what the world will look in five years, much less 60 years, yet we are charged with preparing students for life in that world and providing them with an environment to do so.

So how does TDA address school design that supports this technological revolution in education? **Boldly.** Our designs must be **flexible and creative, yet challenging and complex.** There are an increasing number of “21st century schools” and while these schools vary, they are united in the fundamentals of 21st century education.



MC²STEM High Schools

TDA designed the spaces for the ninth grade program at the Great Lakes Science Center (partnered with the NASA Glen Research Center) and the tenth program on General Electric’s Nela Park Campus. In 2009, MC²STEM High School became the **first school of its kind** to be housed on a STEM industry corporate campus at General Electric’s Nela Park. This LEED-certified project has provided students with a dynamic real-world learning environment and the support of industry professionals.

The MC²STEM High School housed at the Great Lakes Science Center allows students and staff to integrate curriculum and instruction with science center exhibits. These completion of these momentous projects were celebrated with community leaders, educators, politicians and supporters.

Campus International School

TDA was hired to renovate portions of a building for The Campus International School, a public school developed by Cleveland Metropolitan School District (CMSD) and Cleveland State University (CSU). This school incorporates the **International Baccalaureate** curriculum which focuses on global perspectives and foreign languages, such as Chinese. The instructional strategies, including small teacher-to-student ratio, and the school’s organization, also make it unique. The learning environment is technology-rich and based on hands-on learning.



Promise Academy

TDA designed Promise Academy at Washington Park School. It uses an **online curriculum** called NovaNET, a computer-based academic program designed to provide students with an alternative method of earning credit towards graduation. All courses and assignments are online. Students come to the Promise Academy to work in one of the labs.



New Tech Academies

TDA designed two New Tech Academies - the only two that are based on “**New Tech**” curriculum in the State of Ohio. New Tech @ East Tech High and the Garrett Morgan New Tech High School focus on producing technologically literate graduates that are college ready. They utilize a one-to-one computing environment to implement project-based instruction. Students are engaged in learning that is relevant, rigorous and focused on building skills necessary to be successful in the 21st Century.



Thomas Jefferson Campus: International Newcomers Academy

Midway through construction, CMSD decided to consolidate its newcomers program into this new building. TDA worked closely with the district and the construction manager to quickly redesign what was to be a PK-8 building to a K-12 Newcomers Academy, serving students from at least 25 countries.

The academy follows **Sheltered Instruction Observation Protocol**, a model used by more than 500,000 teachers in all 50 states and some

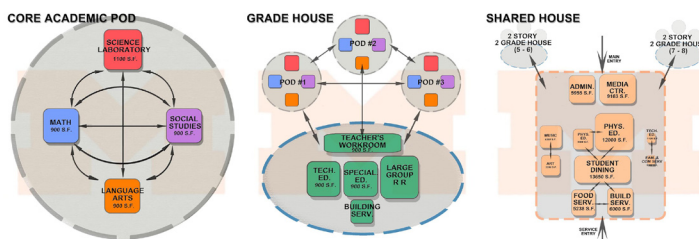
foreign countries. The model seeks to teach fluency in language while simultaneously raising students to grade level in a range of subjects. Also in the building is a district welcome center for immigrant students and their families; 400 ninth grade students; and a New Tech Academy.

Design Lab Early College High School

TDA designed spaces to support the ninth, tenth and eleventh grade programs. Housed at Jane Addams High School in Cleveland, and adjacent to the Tri-C Metropolitan campus, Design Lab offers an excellent opportunity for **collaboration** in the sharing of faculty expertise and facilities. These resources include Tri-C’s engineering program, which currently offers foundational coursework in Industrial Design, Media Arts, and other related programs that create a synergy around the art and science of design. The school’s **innovative and rigorous curriculum** is being developed with the disciplines of STEM (Science, Technology, Engineering and Mathematics) at its core.

Massillon Middle School

TDA worked very closely with the superintendent and the curriculum director to restructure the middle school configuration, which resulted in a unique educational plan combining grades 5-8. The structure was created around individual core academic pods and focused on teaming.



Facing History Schools

TDA designed two Facing History Schools; one at Martin Luther King High School and one at Lincoln-West High School. Facing History and Ourselves is an **international educational program** that engages students of diverse backgrounds in an examination of racism, prejudice and anti-Semitism in order to promote the development of a more humane and informed citizenry.

Mayfield Middle School

Construction is underway at the Mayfield Middle School. One of the primary focuses of Mayfield's building program is providing its' students with **21st Century Learning Environments**. The middle school will now house grades 6 - 8. Work includes a 3-story classroom addition, a new main entrance with enhanced security, and new computer labs. Classroom modifications throughout the building are underway in order to support collaborative learning environments. Additionally, some classrooms are being re-tasked so that grade levels are co-located for teaming.



Ginn Academy

TDA worked with CMSD to combine the Kenneth Clemment Boy's Academy with the Ginn Academy at Margaret Spellacy. The new Ginn Academy follows two basic philosophies: hiring the best teachers based on a rigorous interview process, not the ones with the most seniority; and full immersion with additional staffers who are always on call. The Ginn Academy uses a curriculum that includes an **emphasis on science and math** to help students pass the state's graduation exam.



Keeping up with “Trends”

It is a priority and goal of TDA to keep up-to-date with national and global “trends” in teaching environments, funding, and curriculum design. We understand that the methods and materials for educating children are constantly changing, and we feel the school environment has a direct effect on that success. We feel these “trends” have a direct impact on educational facility design today.

21st Century Learning

While this “buzz” phrase can often be used incorrectly, TDA has an in-depth understanding of 21st century learning based on our experience. In essence, it involves student collaboration, project-based learning and bringing technology to the student. So instead of the teacher lecturing to the student; information is being pulled from the student using all of the aforementioned methods of learning.

Flexible Spaces

With flexible spaces to accommodate as many of the learning styles into any given space as possible, we can move away from a model of single-purpose spaces to multifunctional areas. It helps to think about modification of spaces using the ideas of adaptability, flexibility and variety. What stays constant is the building ergonomics - natural ventilation, natural light, acoustics, etc. Other aspects of the building, such as the size of the rooms, should be able to be changed if necessary, over the years.

But it’s more than simply incorporating moveable walls. Other options may include transparent glass or roll-up doors leading to a common space for breakout learning; moveable furnishing systems on casters; flexible wall partitioning systems to create larger or smaller learning spaces; adjustable height work surfaces; or extending learning to covered outdoor learning terraces. With ever-changing technology and curriculum and increases or decreases in student population, classrooms and administrative spaces must be adaptable to accommodate different learning environments.



MC²STEM High School: Nela Park



1975 Noble Road
East Cleveland, Ohio

TDA was hired to provide professional design services for a comprehensive renovation, converting old office space on General Electric's Nela Park campus for educational use. This is the first STEM (Science, Technology, Engineering, Mathematics) High School to be embedded on a business campus in the State of Ohio. Select students from the Cleveland Metropolitan School District will be attending this school. This project was completed on a very tight schedule.

size

30,000 total sf
200 students

construction cost

\$ 4 million

completion date

February 2009

project type

Renovation

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

General Electric

Carl Hanson, Director of Facilities
216.266.2111

professional services

Architecture, interior design and construction administration

project highlights

- Renovation of a building on General Electric's historic campus, Nela Park
- Year-round enrollment
- Curriculum geared towards science, technology, engineering and mathematics; exposing high school students to a more professional environment
- Project based-problem solving approach
- Curriculum integrated with corporate partners
- Funded by the Greater Cleveland Partnership



TDA is the founder of CEDA,
a team brought together to
better serve CMSD.



MC²STEM High School: Great Lakes Science Center



TDA was hired to provide professional design services for a renovation, converting space at the Great Lakes Science Center for educational use. Select students from the Cleveland Metropolitan School District attend this school. The project was completed on a very tight schedule.

size

6,000 sf
200 students

construction cost

\$ 500,000

completion date

Summer 2009

project type

Renovation

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

professional services

Architecture, interior design and construction administration

project highlights

- Located on the Promenade Level of the Great Lakes Science Center
- Classrooms located within public exhibit space, particular attention paid to acoustics
- Curriculum geared towards science, technology, engineering and mathematics; exposing high school students to a more professional environment



601 Erieside Avenue
Cleveland, Ohio



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Thomas Jefferson: International Newcomers & Ninth Grade Academy



size

100,930 total sf
785 students

cost

\$ 14.9 million

completion date

Winter 2010

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design; intensive community
engagement

project highlights

- Tight site required 3-story design
- Midway through construction, CMSD decided to consolidate newcomers program into this new building
- Worked closely with District and CM to quickly redesign what was to be a PK-8 building to a K-12 Newcomers Academy, serving students from 25 countries
- Designed as a safe, urban school
- Building houses a district welcome center for immigrant students and their families; 400 ninth grade students attending a Ninth Grade Academy; and a New Tech Academy



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3145 West 46th Street
Cleveland, Ohio



Massillon Middle School



size

224,000 total sf
1,424 students

cost

\$ 29 million

completion date

August 2005

project type

New construction

owner/contact

Massillon City School District
207 Oak Ave. SE Massillon, Ohio 44646
Dr. Al Hennon, *former* Massillon Superintendent
330.936.5246

Ohio School Facilities Commission
Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Bond campaign assistance; educational planning, programming, architecture, interior design & construction administration & observation

project highlights

- Negotiated OSFC master plan 3-phases
- Unique educational planning combined grades 5-8
- Individual academic pods
- \$500,000 under budget and ahead of schedule



TDA has had tremendous success with educational and athletic facility design. In addition, a considerable portion of our experience is in Northeast Ohio; as such, we are familiar with local codes, ordinances, and most important, the local contracting community. TDA has completed countless assignments for public districts and private schools including capital improvement projects with costs ranging from \$25,000 to \$1,000,000. *This list ONLY highlights recent projects in excess of \$1,000,000 in construction costs.*

Artemus Ward PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Brooklyn City SD
Master planning
Brooklyn, Ohio

Charles Dickens PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Cleveland Heights-University Heights City SD
Renovation
Cleveland Heights, Ohio

Cloverleaf PK-4 School *
New construction
Lodi, Ohio

Dalton PK-8 School *
New construction
Dalton, Ohio

East Clark PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Elmwood Elementary School *
Addition & renovation
Garfield Heights, Ohio

Euclid Park PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Girard Jr./Sr. High School & Stadium *
New construction
Girard, Ohio

Highland MS Conversion to Granger ES
Renovation
Medina, Ohio

Highland HS Conversion to new MS
Addition & renovation
Medina, Ohio

Independence HS & Fieldhouse
New construction
Independence, Ohio

Independence HS Conversion to new MS
Renovation
Independence, Ohio

James F. Rhodes High School (CMSD) *
Renovation
Cleveland, Ohio

John Adams HS & Stadium (CMSD) *
New construction
Cleveland, Ohio

John Marshall High School (CMSD) *
New construction
Cleveland, Ohio

Kirtland Local SD
Master planning, new construction & renovation
Kirtland, Ohio

Maple Leaf Elementary School *
Renovation & addition
Garfield Heights, Ohio

Massillon Middle School *
New construction
Massillon, Ohio

Mayfield City SD
New construction & renovation
Mayfield, Ohio

Max Hayes High School (CMSD) *
New construction
Cleveland, Ohio

MC²STEM High School @ Nela Park (CMSD)
Renovation
East Cleveland, Ohio

MC²STEM High School @ GLSC (CMSD)
Renovation
Cleveland, Ohio

Mentor Exempted Village SD
Renovation
Mentor, Ohio

Miles Park PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Mound PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Nathan Hale PK-8 School (CMSD) *
New construction
Cleveland, Ohio

North Olmsted City SD
Master planning & renovation
North Olmsted, Ohio

Orville City SD Stadium
Renovation (track & field)
Orville, Ohio

Perry Local SD
New construction & renovation
Perry, Ohio

Rittman Ex. Village SD Athletic Complex
Planning & site design
Cleveland, Ohio

Riverside Local SD
Addition & renovation
Painesville Township, Ohio

Robinson G. Jones PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Thomas Jefferson PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Valley Christian Academy
Addition & renovation
Aurora, Ohio

Wade Park PK-8 School (CMSD) *
New construction
Cleveland, Ohio

Warm, Safe & Dry Program (CMSD)
Renovation
Cleveland, Ohio

Wellington Exempted Village SD
Renovation
Wellington, Ohio

West Geauga Local SD
Master planning & renovation
Chesterland, Ohio

Willoughby-Eastlake City SD
New construction & renovation
Willoughby, Ohio

* OSFC co-funded projects



Euclid Park PK-8 School



size

53,856 total sf
351 students

cost

\$ 10.6 million

completion date

June 2010

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design; Intensive community
engagement

project highlights

- Designed as a safe, urban school
- School sits 30 feet above street level, providing a natural passive form of security
- Incorporated geothermal heating; placing wells under parking lot
- Developed in concert with OSFC design manual



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17914 Euclid Avenue
Cleveland, Ohio



Artemus Ward PK-8 School



4315 West 140th Street
Cleveland, Ohio



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size

64,000 total sf
450 students

cost

\$ 12.4 million

completion date

January 2009

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design

project highlights

- School specializes in library media, physical education and the arts
- Designed as a neighborhood school in Ward 20, the Bellaire-Puritas Neighborhood
- Modern, yet contextual design
- Extensive collaboration with the Bellaire-Puritas Development Corporation
- Developed in concert with OSFC design manual



Charles Dickens at Corlett PK-8 School



east elevation



west elevation



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size

64,297 total sf
450 students

final construction cost

\$ 10.9 million

completion date

Winter 2010

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture, and interior design; intensive community engagement

project highlights

- Demolished old school; rebuilding on new site in a new Ward
- Designed as a safe, urban school
- Incorporated geothermal heating; placing wells under parking lot
- Developed in concert with OSFC design manual



13013 Corlett Ave.
Cleveland, Ohio



East Clark PK-8 School



655 East 162nd Street
Cleveland, Ohio



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size

64,000 total sf
450 students

cost

\$ 12.3 million

completion date

August 2009

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design

project highlights

- Existing school built in 1890, oldest school in CMSD
- Significant historic ties to Collinwood Railroad era
- Designed as a neighborhood school in Ward 10, the Collinwood Neighborhood
- Modern, yet contextual design
- Developed in concert with OSFC design manual



Miles Park K-8 School



4090 East 93rd Street
Cleveland, Ohio



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size

85,000 total sf
585 students

cost

\$ 15.2 million

completion date

August 2007

project type

New construction

owner/contact

Cleveland Metropolitan School District
1380 East 6th Street, Cleveland, OH 44114
Mr. Gary Sautter, Deputy Chief of Capital Projects
216.574.8500

Ohio School Facilities Commission
(AUI, Accelerated Urban Initiative)
Mr. Bill Prenosil, OSFC Planning Manager
330.425.2288

professional services

Educational planning, programming, architecture,
and interior design

project highlights

- New school to serve as catalyst for future development in Union-Miles neighborhood
- Designed as neighborhood school
- Modern, yet contextual design
- Developed in concert with OSFC design manual



B.6. public engagement

At TDA, we are fully aware that a successful construction project must have the backing of not only the administration, school board, teachers, and staff, but also the entire community. We work diligently with all stakeholders to gain consensus and rally support throughout *all project phases - from planning and design through project closeout.*

Our planners recognize the **importance of community input** during the programming and planning phase of an educational facility because it is a **critical component** - one that insures program requirements are defined, goals are established, and expectations are met. Our experience also tells us that the most difficult task in community engagement is not soliciting valuable public input; it is **understanding the input** that is received. This is why a considerable amount of time is



spent during the pre-design and design phases - primarily listening and gathering information. It is the **educational philosophy of the District** which serves as our guide as we make recommendations for improving and creating physical environments. That is why it's so important to include all public stakeholders in the process.

TDA developed a method to identify important community issues and a **strategy to quantify** the value these issues have to a community. This effort is an attempt at forging social accountability with the goal of spending public dollars on public lands based on the exact needs of the community. Using focus groups, large community forums, and surveys, we have the ability to clearly define and prioritize those issues that resonate in the communities we serve.

Our method is best compared to the ripples created when something strikes a calm pool of water. An idea, first conceived, will spread in ever-increasing ripples as the concept participants. As the ripples expand outward, more community members are **influenced** and more support for the idea is generated.

Using our process, we identify those salient ideas that capture the imagination and support of core group of stakeholders. Focus groups help **identify critical issues** and large groups help us gauge their value to the community. Through our program, specifically designed to quantify such public input, we bring these ideas back to the District and Facilities Committee to allow them to expand in ever-widening spheres of influence.



The ultimate goal in every engagement process is to have the District **rightfully believe** that they designed their school building, which truly represents the values and dreams of the entire community.

You will not find a firm who spends more **productive time** with your community than TDA. Chris Smith will lead public engagement activities for Cleveland Heights-University Heights; like he has for many area districts. To learn how we're different, we encourage you to contact Mr. Francis Scruci, Wellington Superintendent at (440) 647-4286 or Dr. Al Hennon, former Massillon Superintendent at (330) 936-5246.

Process

- Research background information (population, enrollment, demographics, etc.)
- Identify people within each constituency as members of focus groups
- Use focus groups to identify goals, needs, issues, etc.
- Prioritize and rank target issues developed through focus groups
- Develop survey questions based on target issues as defined in focus groups
- Present survey questions to general public through community forums
- Develop or utilize an existing program to statistically evaluate survey responses based on values established through the ranking process
- Present statistical analysis to general public through community forums
- Adjust or modify findings based on community forums
- Translate findings into architectural responses
- Present findings and responses to Superintendent and Board of Education

Examples of Public Engagement & Consensus Building

Massillon Middle School
Massillon, Ohio



The District came into this project with a vision that looked well beyond merely the construction of a new middle school. This was to be a part of a long-term, re-building program, both physically and academically, and the District wanted the public to buy in from the beginning. Working together, the District and TDA created a program, which included regularly televised informational and call-in shows, utilizing the school's TV station. The program brought together a community, initially divided on its approach, into a single supportive voice.



Cleveland Metropolitan School District
John Adams High School

The Union-Miles neighborhood in Cleveland was shaken by the closing and subsequent demolition of JAHS in 1996. Replacing JAHS, a long-standing and significant educational institution, was extremely important to CMSD and the community for which it serves. Our project team was not only charged with the task of designing the only new high school to be constructed in Cleveland within 40 years, but also incorporating modern technologies while preserving the rich history of JAHS. Even more challenging, the facility had to be designed within the strict parameters of the OSFC design manual.



A comprehensive community engagement program was launched, bringing citizens, educators, public figures, and the administration together to inform constituents, and in the end, re-direct the plan developed by the OSFC. The community wanted their new school to be reminiscent of the old building because of the fond memories shared by those who attended JAHS. The design for the new school is a fresh, modern interpretation of the original building elements, which helps to evoke those memories without replicating the design of the old school. Additionally, we re-established the school as an anchor and a beacon in the community, essentially restoring the fabric of the neighborhood.

After countless community meetings, the design process ultimately established a trusting relationship between the design team, the district, and the community, which resulted in a new facility that the community embraces as its own.

Wellington Exempted Village School District
Wellington, Ohio

Their 18-month process began with the review and revision of the curriculum and grade configuration in light of the proposed new school building. TDA facilitated the process from a broad-based committee to a core committee. A recommendation of curriculum revisions, changes, and future adoptions was presented to the Superintendent and finally the Board of Education. The new curriculum met present standards, was flexible, and was in the best interest of all children. From curriculum, the committee moved to reviewing grade configurations, again focusing on what would be best for the students; but also looking at the economy, while being aware of district finances. The discussions then moved to the number and types of school buildings.



TDA shifted into the bond campaign process. Recommendations were made to begin and end the campaign with a large community kick-off and a pre-election rally/snake dance. In between those times, TDA and the bond issue committee worked on: coffee klatches, larger group meetings, direct mailings, a video presentation, canvassing the neighborhoods with literature, school tours, brochures, talking points for committee workers, a model of the facility, and promotional boards showing the conceptual building site, the building and its configuration.



B.7. partnerships

Cleveland Metropolitan School District

TDA regularly works with CMSD to foster community partnerships to support their **21st Century learning initiatives**. These relationships provide students with collaborative and hands-on learning environments. Partnerships include the City of Cleveland, various Neighborhood Development Corporations (Collinwood, Bellaire-Puritas, Union-Miles, etc.) Cleveland State University, Cuyahoga Community College, General Electric’s Nela Park, Great Lakes Science Center, and Cuyahoga County Public Library, among many others.



Brooklyn City School District

We were brought on to assist the Brooklyn City School District with their new building program in connection with the development of a comprehensive plan for a \$30,000,000 multi-generational campus that would feature a new PK-12 school and other complementary facilities with outside partners. Meeting were held with potential community partners including the Cuyahoga County Public Library Brooklyn branch, MetroHealth, Score More Athletic Club, among others. TDA provided bond campaign assistance and master planning services. The project is currently on hold. (Contact Cynthia Walker, Superintendent, 216.485.8100)



Kirtland Local School District



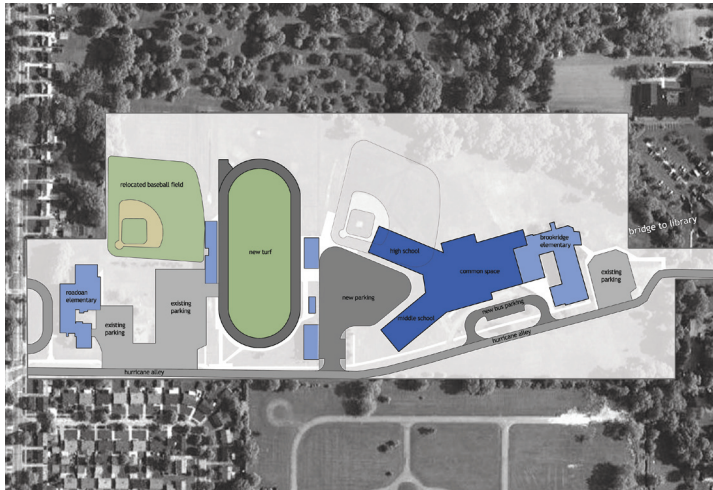
TDA worked with the Board to develop a district-wide master plan. We initiated a consensus-building effort to elicit community/teacher response and input. Translating their input into workable design solutions, we created a campus environment by physically linking the elementary and middle school. Construction was completed on time and under budget with all buildings fully occupied and operational. This campus serves as the “center” for many community functions. There are a number of civic and recreational groups regularly using the facilities. (Contact Dr. Stan Lipinski, retired Superintendent, 440.487.7159)

Independence Local School District

Our firm was commissioned to design the Independence High School and Field House. This building program incorporated a unique partnership between the school district and the City of Independence. That partnership, although mutually beneficial, incorporated some distinct community engagement components. Working with a committee comprised of school district and city representatives, TDA created a program to seek input about the educational needs and the community usage aspects of the facility. Lessons learned from this project can be applied to your District. (Contact David Riley, District Counsel, 440.801.1960)



Brooklyn PK-12 Multi-Generational Campus



size

1,500 students (district-wide)

estimated construction cost

\$ 30 million

project type

Masterplan, new construction and renovations

owner/contact

Brooklyn City School District
9200 Biddulph Road, Brooklyn, Ohio 44144
Mrs. Cynthia Walker, Superintendent
216.256.3366

professional services

Bond campaign assistance & educational master planning, programming, architecture, interior design

project highlights

- Working with District to develop a comprehensive plan for a multi-generational campus
- Includes a new PK-12 school and other complementary shared-use facilities
- Helping to establish relationships with outside community partners (e.g. recreational, library, and healthcare)



Hurricane Alley
Brooklyn, Ohio

Independence High School & Indy Fieldhouse



6001 Archwood Road
Independence, Ohio





size

175,000 total sf
650 students

cost

\$ 33 million (HS and Fieldhouse)

completion dates

December 2004, High School
August 2005, Fieldhouse

project type

New construction of high school with fieldhouse and additional community rooms

owner/contact

Independence Local School District & the City of Independence
7733 Stone Road, Independence, OH 44131

Mr. David Laurenzi, Superintendent
216.642.5850

professional services

Bond campaign assistance, educational and sports planning, programming, architecture, interior design

project highlights

- Unique partnership between school district and city to create a shared school/community facility

high school

- General and special education classrooms for grades 9-12
- 1,200-seat auditorium

fieldhouse

- 50,000 sf, competition-sized gym with seating for 1,400
- 6-lane, 200-meter indoor track
- 4 full-size basketball courts

John Adams High School



3817 Martin Luther King Jr. Drive
Cleveland, Ohio



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a team brought together to
better serve CMSD.*





size/building components

- 9-12th grade high school totaling approximately 226,000 sf for 1,335 students
- Site just over 12 acres
- Co-funded by the OSFC
- 40 general classrooms
- 18 laboratory and spaces (science, project, computer, life skills, and robotics)
- 3 art classrooms
- Performing arts area
- Developed complex construction phasing plan
- Performing arts area:
 - 1 large instrumental room
 - 1 large vocal room
 - 1 ensemble room
 - 4 practice rooms
 - 2 dressing/make-up rooms
 - 1 scene shop
- 2 gymnasiums
- 1 large “cafetorium” with stage and kitchen

final construction cost

\$ 30.5 million

completion date

August 2006

owner/contact

Cleveland Metropolitan School District
 1380 East 6th Street, Cleveland, OH 44114
 Mr. Gary Sautter, Deputy Chief of Capital Projects
 216.574.8500

Ohio School Facilities Commission
 (AUI, Accelerated Urban Initiative)
 Mr. Bill Prenosil, OSFC Planning Manager
 330.425.2288

professional services

Educational and sports planning, programming, architecture, interior design & construction oversight

project highlights

- New school designed for historic Union-Miles neighborhood
- Media center designed as community space
- All classrooms have natural light and auditory enhancement devices
- Every classroom wired for technology with LCD projectors, computers and telephones
- Athletic complex, including 5,000 seat stadium, also planned for site

B.8. cost & constructability

Essential to the success of any school construction program is the development of an accurate project budget and schedule. Shaping the budget is a team effort between TDA, the District, and the independent cost and constructability consultant.

In many cases, it is a construction manager performing cost and constructability reviews. TDA works with CMs on a regular basis for many of its school construction projects. Simply put, we **collaborate** with the CM, fostering **two-way, open and on-going communication** throughout all project phases.

It is vitally important to establish expectations early on, prioritize them, and then enter into frank discussions about what can realistically be accomplished within the budget. A thorough understanding of what is desired and what can actually be accomplished will help to avoid surprises late in the game.

As the project progresses past master planning, TDA works to keep the budget in-line throughout the design process. Through close communication of changes in design elements, market trends, and on-site conditions, TDA tailors the scope to address budget issues as the project progresses. Providing alternate bids can add flexibility to the bidding process. The project manager also meets with the Project Executive to ascertain that budget percentages are maintained. If any significant variances occur, decisions are made by the PM and Project Executive for immediate corrective action.



B.9. owner's schedule

This timeline represents how the provided services will be performed, including all major milestones and deadlines. (Dates subject to change at Owner's request.)

Awarded Contract ***(September 19, 2011)***

Preliminary Planning ***(September 19-31, 2011)***

- Plan kick-off meeting action items
- Formally invite members of consulting teams, the District, and a representative from Citizens Facilities Committee

Kick-off Meeting ***(Monday, October 3)***

- Review scope of work
- Summary report from Citizens Facilities Committee member
- Define roles and responsibilities
- Determine best methods of communication
- Identify best methods for public engagement
- Set a regular meeting schedule for the team
- Define next steps in preparation for the next meeting

Planning & Scheduling ***(TDA team meets week of October 10, 17, 24, 31)***

- Review revised schedule (outcome of kick-off meeting)
- Review and assign logistical tasks
- Draft supporting documents to be used in the process for review and approval
- Develop and distribute implementation strategy to consulting team

Implementation Strategy & Public Engagement ***(Commence Scope of Work after November 8, 2011 election through January 2012)***

- Commence work on the implementation strategy
- Refresh building assessment data already completed by our firm in prior engagements with the District
- Manage and facilitate public engagement process (with the CH-UH school district community, including public citizens, parents, students, teachers, staff and administrators) by way of the strategy developed in October
- Meet with potential educational partners



Master Planning Development

(February - March 2012)

- Engage with Cost and Constructability consultant and engineers to formulate costs associated with master plan options
- Analyze and strategize a wide range of options to derive a series of potential district-wide facility master plans; aligned with the expectations that are the outcome of the initial public engagement process
- Document a series of potential district-wide facility master plans for presentation to the District
- Analysis of master plan options - benefits and drawbacks of each one

Final Master Plan

(April 1, 2012)

- Present final master plan to the District, which will address, at a minimum:
 - Academic, cultural and athletic needs
 - Operational and building size efficiency
 - Renovation vs. new construction
 - Sustainability issues and LEED participation
 - District-wide educational partnerships with local institutions and businesses
 - 21st century learning practices

Extension of TDA's services moving into Design Phase



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