



**High School**  
Renovation/Addition/  
Restoration

**French Associates, Inc.**

1600 Parkdale Road  
Rochester, MI 48307  
www.frenchaia.com

Stephen Lodge  
(248) 656-1377

**DESIGN TEAM**

Douglas LaFerle  
Principal-in-Charge

Stephen Lodge  
Project Manager

Andrea Everett  
Interior Designer

Penhale & Yates  
Structural

Peter Basso Associates  
M/E Consultant

Schuler & Shook  
Theater Consultant

Kirkegaard & Associates  
Acoustical

**OWNER/CLIENT**

Waterford School District  
Waterford, MI

Dr. Thomas Tattan,  
Superintendent  
(248) 666-4000

Type of School and Grades Served  
High School, 9-12

Capacity: 1,400 students

Size of Site: 49 acres

Area of Building  
65,600 square feet

Volume of Building  
3.9 million cubic feet

Space per Student  
174 square feet

Cost per Student: \$10,540

Square Foot Cost: \$225

Cost of Construction  
\$14.8 million

Total Project Cost  
\$17.5 million

Contract Date  
June 1998

Completion Date  
December 2003

Percent of Completion: 100%

# Kettering High School

*Waterford, Michigan*

**French Associates, Inc.**



GYMNASIUM AND MAIN ENTRY EXTERIOR

Two major additions to this 1960s high school bring it into the 21st century. The most recent projects include a new auditorium and gymnasium. These additions harmonize with a recently completed science room and computer room additions.

The 750-seat, full-performance auditorium includes a full fly loft and counterweight stage-rigging system. The auditorium also includes a full complement of catwalks, theater lighting, and variable acoustics.

Additionally, a new air-conditioned, competition gymnasium with seating for 1,800 spectators was added to the building. A corridor surrounds the gym, which allows community members to use it as a walking track. The gymnasium is equipped with a state-of-the-art audio system and indirect lighting.

Major site redesign was required in order to accommodate the 30,800-square-foot gymnasium. New parking lots and separate bus and parent drop-off loops were created, along with a new main entrance to the building, giving the building a fresh look. Significantly, all of the construction took place



GYMNASIUM EXTERIOR



GYMNASIUM INTERIOR CORRIDOR

STEVE MAYLONE

while the school was fully occupied.

Construction is already underway on a new competi-

tive-level natatorium to further add to athletic opportunities available to the students. ■



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Structural

Peter Basso Associates  
Mechanical/Engineer Consultant

Schuler & Shook  
Theater Consultant

Kirkegaard & Associates  
Acoustical

**OWNER/CLIENT**

Waterford School District  
Waterford, MI

Dr. Thomas Tattan,  
Superintendent  
(248) 666-4000

Type of School and Grades Served  
High School, 9-12

Capacity: 1,700 students

Size of Site: 69.6 acres

Area of Building  
231,360 square feet  
53,300 square feet (new)

Volume of Building  
3.7 million cubic feet

Space per Student  
136 square feet

Cost per Student: \$8,089

Square Foot Cost: \$258

Cost of Construction  
\$13.8 million

Total Project Cost  
\$16.5 million

Contract Date  
June 1998

Completion Date  
December 2003

Percent of Completion: 100%

# Mott High School

Waterford, Michigan

French Associates, Inc.



AUDITORIUM SEATING AND STAGE

Two major projects, a new auditorium and gymnasium, have updated this 1960s high school. These additions complement a recently completed science room and computer room additions.

The 750-seat, full-performance auditorium houses a full fly loft and counterweight stage-rigging system. The auditorium also features catwalks, theater lighting, and variable acoustics.

The air-conditioned competition gymnasium seats 1,800 spectators and has a corridor that surrounds the gym, which allows community members to use it as a walking track. The gymnasium is equipped with a state-of-the-art audio system and indirect lighting.

The auditorium addition was located where it was always intended. When the original building was designed, the master plan included an auditorium to be added at some future point. Utilities and plumbing were located to eventually accommodate the auditori-



GYMNASIUM



AUDITORIUM SOUND BOOTH AND MEZZANINE

um when it was built. As a result, we simply had to slip the auditorium into the hole that had been left open for it

for the last 40 years.

Additionally, all of the construction took place while the school was fully occupied. ■

STEVE MAYLONE