



Liberty Middle School Canton, MI

The new Liberty Middle School represents the adaptation of a prototype design for Plymouth-Canton Community Schools. The new plan incorporates a centrally located administrative welcome center to enhance safety and security. Clear and direct circulation routes—including student commons nodes—reinforce an open atmosphere that enables friendly supervision. From only three distinct vantage points within the building, all corridors can be monitored in between classes and at dismissal times.

The media center is placed on the upper level above the welcome center and architecturally denotes a strong exterior visual image. A flexible arrangement of instructional classroom/learning studios is grouped into smaller learning communities to accommodate grade level and interdisciplinary curriculum. Each learning community includes science studios, special education spaces, restrooms and faculty planning centers.

Collaboration centers reinforce interaction, and are strategically positioned between classrooms to encourage teaming opportunities. The school is completely outfitted with agile furniture to support all learning styles. Centralized space accommodates art, life management, STEM



labs, instrumental/vocal music rooms, as well as an autism spectrum disorder program.

A competition gymnasium includes bleacher seating for 800, locker rooms and training areas. The dining area expands into an adjacent auxiliary gym, allowing for theater performances with a working stage. Routes to the server/dining area provide optimal "traffic" flow, with direct access to outdoor play space.

The school was built utilizing steel frame construction with masonry infill. An exterior brick pattern breaks down the scale of the school, and pitched roofs are compatible with the school's residential neighbors. The building features an energy-efficient, closed-loop water source heat pump system, which allows for

simultaneous heating and cooling of building spaces as required to meet occupant needs. Ventilation air is provided by a Dedicated Outdoor Air System.



New Construction/Addition

Entire school/campus building

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DESIGN TEAM

John Castellana, FAIA, REFP, Principal-in-Charge

Eduardo Blanc, AIA IA, Project Designer

William Weinrauch Jr., Project Manager

Lauren Christenson, NCIDQ, Interior Designer

OWNER/CLIENT

Plymouth-Canton Community Schools

Canton, MI

James Hunter, Principal

734/416-7600

KEY STATS

Grades Served: 6-8

Capacity: 900

Size of Site: 23.28 acres

Building Area: 140,000 sq. ft.

Space per Student: 175 sq. ft.

Square Foot Cost: \$166

Construction Cost: \$23,147,600

Project Cost: \$30,179,000

Completion Date: September 2015

PHOTOGRAPHY: CHRISTOPHER LARK PHOTOGRAPHY

