



OLD REDFORD MIDDLE SCHOOL



Location Detroit, MI

Partners Innovative Modular Solutions
Stevens Architects

Type Middle School

Size Total: 20,200 square feet (nom)

Units 23

Client The school is a public charter program in the heart of Detroit, serving 1,700 children from kindergarten to high school. This non-profit organization stresses achievement and personal responsibility.

Their Need Whitley Manufacturing has worked in the past with the school, constructing their 56,000 SFT elementary school in 2006. ORA had found that the drop-out rate in the City of Detroit is highest among 9th graders, so they decided to create a disciplined, separate, 9th Grade Academy.

Our Solution Once again, ORA teamed with Whitley Mfg. and Innovative Modular Solutions. The team produced a separate structure, connecting via walkways to the main high school. The building is non-combustible with a masonry exterior. Floors shipped with metal b-deck over which Gypcrete was poured and ceramic tile installed.

Ceramic tile runs 4'-0" up all corridor walls and 8'-0" in the cafeteria and restrooms. The facility is designed for energy efficiency utilizing Energy Star roof-mount HVAC units, low-E windows, efficient electronic ballasts with T-8 bulbs, occupancy sensors, low-flow fixtures and a hot water recirculation system for the restrooms.



Units arrive at the project site where the foundations are complete.

START.

Buildings are set, sealed, and secured. Finishing begins.

3 DAYS LATER.

The building features a contrasting masonry exterior. Inside, ceramic tile is found on all public walls

AESTHETICS.

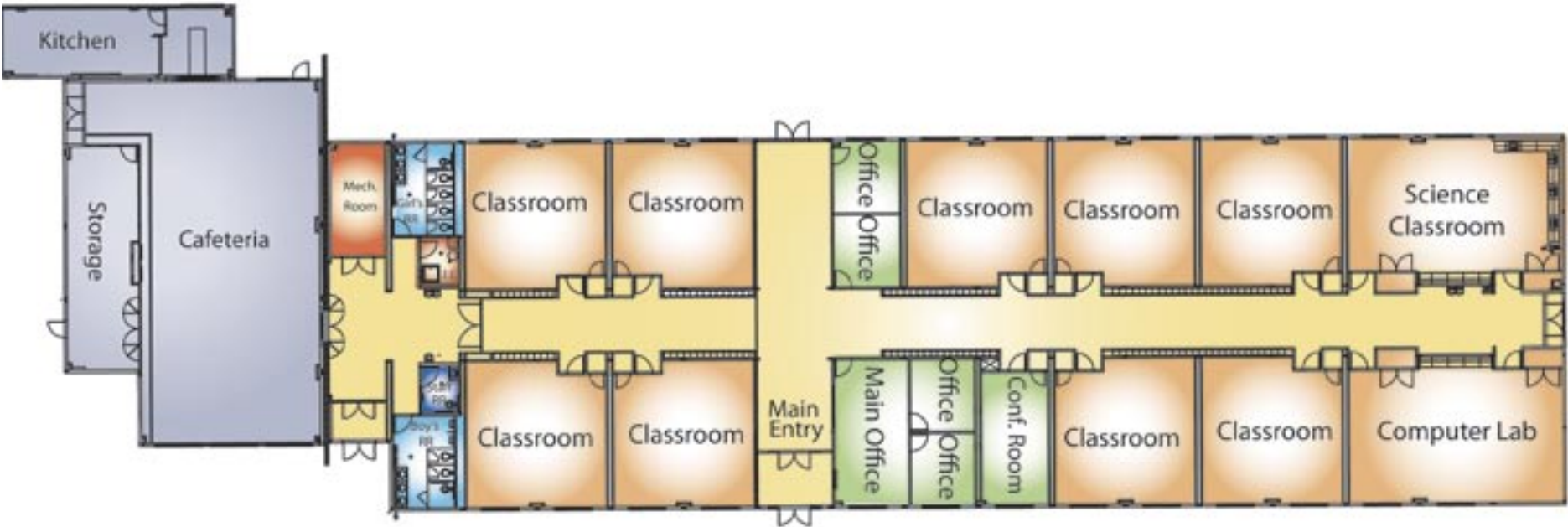
The building features durable non-combustible construction with Gypcrete poured over a steel b-deck.

QUALITY.

The building utilizes high-efficiency HVAC systems, occupancy sensors, water saving sensors at restrooms, and a hot water recirculation system.

SUSTAINABILITY.

Old Redford Middle School Building



Whitley Mfg. Co., Inc.
South Whitley, IN // Rochester, IN
Marysville, WA
(260) 723-5131
www.whitleyman.com

FEATURES

In classrooms, recyclable carpet tiles are used, allowing for ease of maintenance.

Custom ceramic murals of the ORA crest are inlaid at the foyer and cafeteria.

The building features a spacious cafeteria with 10' ceilings and a warming kitchen.

The entire project was completed in only 87 days.

This non-combustible building with cementious floors, was built on a permanent block foundation with a crawl space. The brick facade respects the architectural aesthetic of the existing school building.