



## 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.**

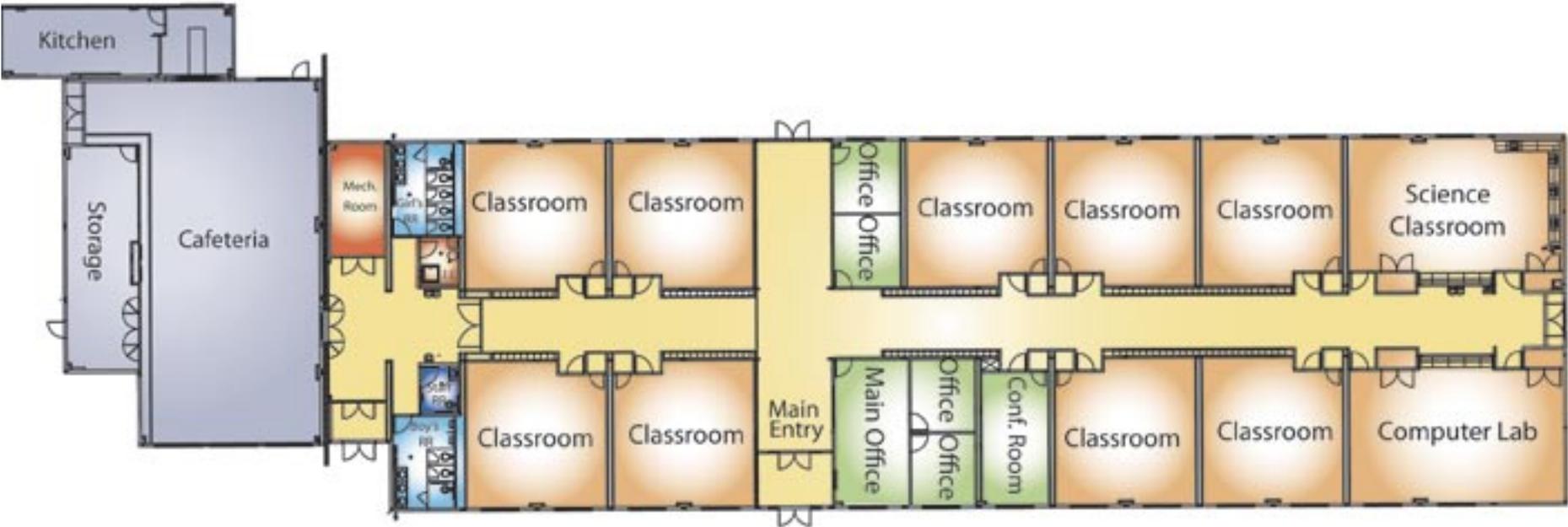
The building features durable non-combustible construction with Gypcrete poured over a steel b-deck.

**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](http://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.*