



OLD REDFORD ACADEMY MIDDLE SCHOOL



Location Detroit, Michigan

Partners Innovative Modular Solutions
Stevens Architects

Type Permanent School Building

Size Total: 17,640 square feet

Units 18 modular units
Two story addition to existing elementary school

Client Old Redford Academy is a public charter school serving Detroit, Michigan. As a result of their innovative approach to education, curriculum, and commitment to personal development of students, ORA has experienced incredible growth over the past decade.

Their Need A repeat customer of Whitley Mfg, ORA chose to partner again with Innovative Modular Solutions to construct a two-story, masonry-clad addition to their existing permanent modular school.

Our Solution As with all of ORA's facilities, the design, finishes and specifications needed to reflect the schools' commitment to excellence, quality, and sustainability. The building is framed with high recycled content steel with cementitious sub-floors poured on-site.

Ceramic and quarry tile wainscot clads the walls in hallways and classrooms w/ full-height ceramic tiling in the restrooms. A reflective white "cool roof" membrane covers the roof and improves energy efficiency. The highly efficient HVAC system installed features ERV units to recover energy, CO₂ sensors, and HCFC-free refrigerants to insure healthy indoor air. Occupancy sensors are incorporated into the lighting system to reduce energy waste, as well.



Construction begins on the modular portions of the school.

Modular and site-built areas all completed and classes begin.

DATE XX, XXXX

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(2006). Old Redford Academy Elementary School. 56,000 SFT multi-story permanent modular school building w/ gym + cafeteria.

(2009). Old Redford Ninth Grade Academy. 20,200 SFT addition to existing school building. Winner of MBI "Judge's Choice" Award for excellence.

OTHER ORA PROJECTS

Old Redford Academy Middle School Addition

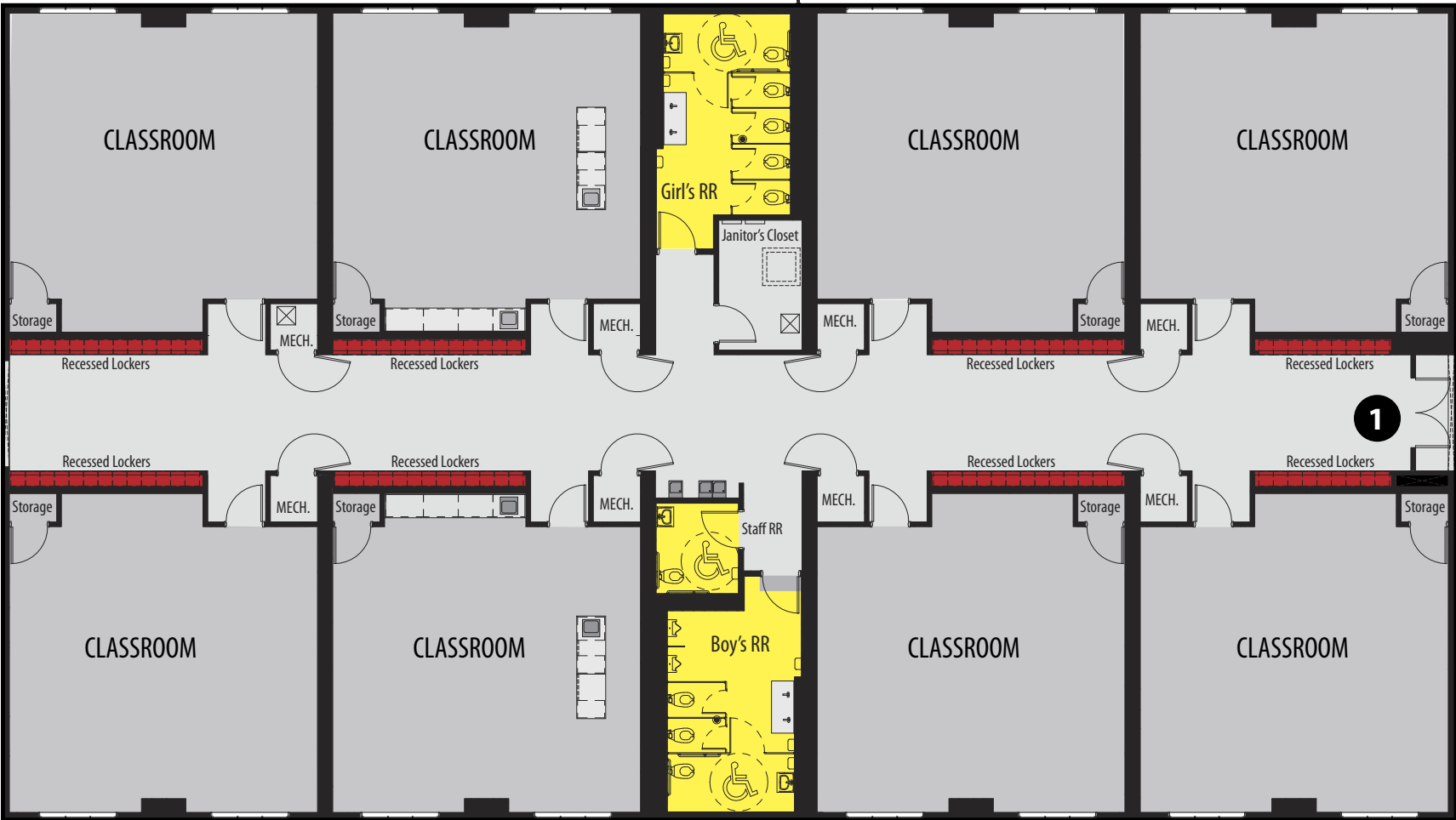
SECOND FLOOR LAYOUT IS SIMILAR TO FIRST FLOOR LAYOUT SHOWN ABOVE.

FLOOR 1 OF 2

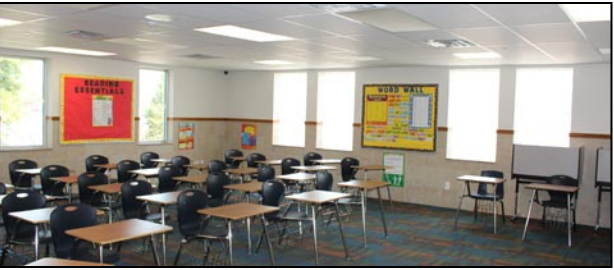
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Doors Connect to Corridor of Existing Old Redford Academy Elementary School Building (Permanent Modular School Building constructed in 2006). See all three of the ORA modular school projects in the "Case Studies" section of our website.

<http://www.whitleyman.com>



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FEATURES

Site applied masonry exterior to match the facade of the adjacent, historic church building.

Ceramic + quarry tile wainscot in hallways + classrooms. Full wall ceramic in restrooms.

Non-combustible construction with cementitious sub-floors poured over steel deck on-site.

Efficient, HCFC-free HVAC system with ERVs for energy recovery + CO₂ sensors.

Reflective white "cool roof" membrane eliminates the heat island effect.

All of Whitley Manufacturing's custom facilities are built using our sustainable modular construction system, delivering resource-efficient space on an accelerated timeline.