

OSU Agricultural Research Center

1,904-Square-Foot Education
Building

Located in Burns, OR



Time to Complete: 459 days from delivery to occupancy

Project Overview:

Pacific Mobile Structures collaborated with Northwest Building Systems to deliver a 1,904 sq. ft. permanent modular building to Oregon State University's Agricultural Research Center in Burns, OR. This new facility provides critical office and research space for students focused on studying the environmental impact of cattle.

Located in a rural floodplain, the building was designed to be both functional and resilient. The foundation was constructed above ground to prevent flood damage, and a commercial-grade sump pump was installed to mitigate flooding during the annual wet season. The building's custom HVAC system, featuring mini-split systems with concealed indoor units, was pre-installed offsite to speed up the construction process and reduce costs.

The building includes custom interior features such as a split-system HVAC above grid for climate control, Forbo Marmoleum flooring for durability and sustainability, and Tape, texture, and paint (TTP) finishes that provide a polished, professional environment for research activities. The open research area layout maximizes space for students to conduct their studies on cattle and their environmental effects.

On the exterior, the building boasts a 5/12 pitched metal roof, constructed onsite for durability and designed to withstand local weather conditions. The exterior design matches the surrounding OSU buildings, ensuring visual harmony within the campus setting. Additionally, the concrete foundation above ground prevents flooding in the annual floodplain, providing a stable base for the structure.

Thanks to our participation in the GSA Cooperative Contract, OSU was able to quickly award the project to Pacific Mobile Structures without a separate bidding process, saving valuable time. Despite the logistical challenges of setting the building in a remote location, Pacific Mobile Structures successfully delivered the building on time and within budget by leveraging modular construction. The interior was optimized for student research, with a flexible layout and durable materials, while the flood-resistant foundation and efficient HVAC system ensure long-term functionality.

By working with local contractors and using in-house crews for installation, the project was completed efficiently, providing OSU with a research facility that will support the university's environmental studies for years to come.

Highlights:

- Split-system above-grid HVAC
- Open research area layout
- Forbo Marmoleum flooring
- Tape, texture, and paint (TTP) finishes
- 5/12-pitched metal roof
- Designed to match the aesthetic of the surrounding OSU buildings
- Concrete foundation above ground



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