

TRAINING FACILITY

Mobile Modular provided a military aircraft training facility under a strict timeline and challenging environmental conditions.

THE CHALLENGE

A leading manufacturer of aircraft systems for US and allied military forces around the world recently launched a new project. They had an immediate need for a fast-track, mission-critical, world-class training facility for use in training a new client. Mobile Modular partnered with Ramtech Building Systems to meet both the budget and the customer's schedule requirements. Full turnkey construction of a 5,160 SF, 7-module building adjoining a military base in North Dakota began soon after the harsh 2022 winter and was completed in 9 weeks. It includes (12) private offices, large conference and break rooms, multi-fixture restrooms, storage, custodial and IT Closets, and 3 entry vestibules that protect occupants against harsh weather. High ribbed steel exterior siding matches surrounding buildings for a seamless building addition.



Customer Name: Training Facility

Project Location: Grand Forks, ND

Building Type(s): Modular Office

Job Type: Sale

Total Sq. Ft.: 5,160 sq. ft.

THE SOLUTION

From January to March, North Dakota weather averages highs of 15° to 21°F with sub-zero lows. Substantial reductions in utility costs have been achieved using high-efficiency, gas-fired HVAC units with electric cooling and electronic, programmable thermostats. Further energy management gains have been the result of using 3 phase primary electrical and flat panel LED lighting fixtures. The perimeter skirting was fully insulated with R-10.4 closed-cell urethane. Roofing materials have also been upgraded to 60 ml EPDM. Due to the sensitive nature of the training provided to clients in the large, 30-person Conference Room, the customer required the installation of state-of-the-art IT, video, and security systems. The new modular structure is the first, next-generation product training facility of its kind and has established a design basis, timeline, and fit and finish precedent for future training centers that will be provided overseas.

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BUILDING LAYOUT



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