

Great Lakes Design Update

Spotlight on Military Projects

Spring 2010

We at Bradley J. Butcher & Associates, PC are proud to provide design services to several branches of the military, including:

- Alpena Combat Readiness Training Center in Alpena, Michigan
- Camp Grayling Annual Training Site in Grayling, Michigan
- Veterans Administration Medical Center in Battle Creek, Michigan
- Camp Ravenna Joint Military Training Center in Newton Falls, Ohio



It is an honor to design for the men and women who serve our country, and a responsibility that we take seriously. Our history of military projects span the range of work from simple pre-engineered metal buildings to tactical command centers. Recent years have seen increases in anti-terrorism protection measures along with added emphasis on green technology. Several projects are currently active and are either in the process of being built or are soon scheduled to begin construction.



Alpena Combat Readiness Training Center

Butcher and Associates, PC has enjoyed a working relationship with ACRTC for well over ten years. The most recently completed projects, **Visiting Unit Medical Training Facility**, and **Medical Readiness Training Site**, were dedicated at a Ribbon Cutting Ceremony on March 5, 2010. They join the over 50 other projects designed by Butcher & Associates since 1998. Other projects currently under construction at the Base include:



Vehicle Maintenance Facility, Building 7

Addition and renovation of existing Vehicle Maintenance Facility providing an 11,150 square foot finished facility. Construction is scheduled for completion in early Summer, 2010.



POL Operations Facility, Building 700

Addition and renovation of existing Petroleum Operations (POL) Facility providing an 2,800 square foot finished facility. Construction has recently been completed.

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Camp Grayling Annual Training Site

Live Fire Shoot House

Used to train Soldiers in the techniques and tactics of clearing buildings in a live fire setting, the LFSH design is heavily focused on safety and security. Inside the LFSH Soldiers will engage 3-D, moving and stationary targetry at close range. Other support buildings include target/preparation, ammo breakdown, latrine, instruction and a mess shelter. This project is under construction and scheduled for completion later this year.

Urban Assault Course

The UAC trains squad-size elements in tactical movement techniques and procedures. It is a live fire range that Soldiers engage various scenarios to include engagements up close and at 1000 meters, utilizing moving and stationary automated targets. The UAC also includes the same type of support buildings as the LFSH, and like the Live Fire Shoot House project, should be complete later this year.

Dining Facility

Currently in design, the dining facility will support 400 soldiers and be constructed of permanent masonry block. The 8,274 square foot building will provide food storage, a prep kitchen and seating for 250 personnel (accommodated in staggered seatings). Plans are scheduled to be complete this Summer, with construction to be completed the Summer of 2011, pending funding.

Veterans Administration Medical Center, Battle Creek

Replace Morgue and O2 Storage

Construction is almost complete for this project which relocated the Morgue and Bulk Oxygen Storage System from Building B7 to B136, while also relocating the Biomedical Engineering Department from B27.

Low Vision Clinic, Phase II

Currently under construction, this project renovated 6,745 square feet of Building 3 for the VISN 11 Low Vision Rehabilitation Center, which is on the North side of the complex.

Water Tower Repairs

Recently completed, this project painted and recoated the interior and exterior of the Medical Center's water tower, as well as corrected several other deficiencies noted during a previous inspection.

Exterior Concrete Repairs

Nearing completion of construction, this project replaced existing exterior concrete sidewalk, stairs, handicap ramps, etc. The primary focus was on exterior entrances with deteriorating stairs and handicap ramps.

Relocate SPD

Recently completed, this project renovated 9,000 square feet of Building 136 to function as a new Supply, Processing and Distribution (SPD) area, and includes areas for Sterilization and Distribution.

Camp Ravenna Joint Military Training Center, Ohio National Guard

Zero SDZ Live Fire Shoot House

Currently in design, the live fire shoot house range will be of pre-fabricated steel construction with concrete foundation, ballistic walls and roof. Supporting structures include AAR/Target Operations/Storage Building, Ammo Breakdown Building and site improvements. The project is being considered for joint use potential by the Deputy Assistant Secretary of the Army (Installations and Housing).

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