Extreme Makeover:
The Carpentry Shop at Fort Ethan Allen
2016-2017
“Fort” History

• The Fort was constructed for Cavalry troops in 1894

• The Fort remained active until 1944 when it was converted to storage and civilian housing. From 1951-1960, the military renewed its interest in the base, renaming it the Ethan Allen Air Force Base for use by the Vermont Air National Guard.

• In 1960, the military base was divided up for private commercial and residential use, including use by the University of Vermont.

• Currently, the Physical Plant occupies 9 buildings at Fort Ethan Allen complex, including TCO and the old Carpentry Shop.

(Info obtained from UVM Campus Master Plan)
Once Upon a Time….at the Carpentry Shop
Project Purpose

- Replace the roof
- Improve safety and housekeeping
- Improve environmental conditions: Remove mold-covered ceiling and peeling paint; clean up entire area
- Improve lighting to create safer work space
- Add ventilation to painting/finishing room
- Removed the outdated, dangerous equipment
Improved egress and layout

Before

After
Improved lighting

Before

After
Improved shelving and storage off the floor
Fresh paint throughout to brighten space
Painted the floor

Before

After
Installed a central vac system for sawdust
Added exhaust ventilation to the finishing/painting room

Added Cat Card door entry for security reasons.
The New Space is Being Used!

Current project: Dan Bashaw of South Zone is building 20 “table top” podiums for classrooms.
So you think your mother will clean up your mess? We checked. She doesn't work here. Guess you're going to have to do your own cleaning then.
“Authorized” Users

- Use of shop is limited to individuals who have completed TCO training course “PPD FEA Woodworking Shop Training"

- Training emphasizes:
  - Good Housekeeping
  - Limiting Dust Exposure
  - Proper PPE
  - Proper Use of Equipment
Original Equipment Manuals (OEM’s)
<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>YES</th>
<th>NO</th>
<th>Deficiencies/Notes</th>
<th>Deficiencies Corrected (provide date)</th>
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<tbody>
<tr>
<td>Floors are clean and free of oil, slippery</td>
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<td>Substances and debris or obstacles</td>
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<td>Exit paths clear</td>
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<td>Workstations are protected with correct safety guards and properly adjusted</td>
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<td>Hand tools are properly maintained and in safe condition</td>
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<td>General operating instructions and safety reminder signs are posted on or near shop machinery</td>
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<td>Worker’s utilizing workshop have signed off on review of the Work Shop Manual and have received appropriate training.</td>
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<td>Unstable equipment (e.g., drill press, band saws, etc.) is secured to the floor or a table/stand to prevent tipping. Stand mounted equipment shall be fastened to the floor to prevent tipping.</td>
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<td>Materials (e.g., lumber, metal, etc.) shall be stored in a manner that will prevent personal injury.</td>
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<td>All electrical panels, devices and connections are labeled and maintained in a safe condition. Nothing shall be stored 36&quot; in front of or 18&quot; to the side of electrical panels.</td>
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<td>Flammable and/or combustible waste shall not be allowed to accumulate. Such waste shall be removed by UVM Risk Management.</td>
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<td>A spill kit shall be maintained and located in a visible area.</td>
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<td>All grinders shall have proper tool rests and eye safety shields.</td>
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<td>Eye wash station shall be within 50 feet or ten seconds of all workstations.</td>
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<td>Eye protective devices (safety glasses, goggles, and full-face shields) are identified, visible, readily accessible and used by students and staff.</td>
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<td>Dust collection system is operating correctly correctly</td>
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<td>All flammable liquids are stored in UFC and NFPA approved flammable storage cabinets with self-closing doors.</td>
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<td>All solvents for parts cleaning shall be stored in approved containers.</td>
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<td>All fire extinguishers charged/operable</td>
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<td>Fire evacuation routes &amp; procedures posted</td>
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Inspection Checklist

Gary Campagna, South/Projects Zone Manager, will conduct periodic safety inspections.

Please report any concerns about ‘housekeeping’ practices, faulty equipment or items in need of repair or replacement to Gary.
A Collaborative Effort by All

Thank you to everyone who helped.....

This was an “All Hands on deck” project for sure.

• Greg Whitten and Chris Bingham from MedPlex Zone
• Eric Tourville, Aaron Dion, Willy Dartt, Warren Tice, Jeff Burnham and Tom Martin from South Zone
• Ray Doner, Semir Sehic and Norm Landry from Utilities Zone
• TCO staff
• Luce Hillman and Scott Goodwin from Project Engineering Team
• And many others!