

# PROJECT STATUS

Vermont Veterans' Home  
Mold Removal

Vermont Veterans' Home Mold Update October, 2013  
Prepared by Peter Hack, PE, BGS Project Manager

- I- August of 2012: Staff at the Vermont Veterans' Home noticed a musty smell in some areas of B and C Wings. Crothers Environmental Group made immediate investigations.
- II- August 2012 (PHASE 1 Mold): Catamount Environmental Inc., contracted to perform emergency remediation measures, including cleaning and removing mold from the floor mounted heat pumps in common rooms. Heat pumps retrofitted with UV lights and closed-cell insulation instead of fiberglass.
- III- September 2012 (PHASE 1 Mold): BGS and consultants continue to plan and implement mold removal, waterproofing, HVAC and reporting tasks.
- IV- April 2013: VVH submits Grant application to the VA for \$1,200,000 (\$780,000 VA, \$420,000 State). Anticipate VA response by February 2014.
- V- May 2013: Bill H.533 Approved
- VI- May 2013 (PHASE 1 Mold); BGS contacts Vermont's Congressional Delegation regarding availability of funds (H.533 Sec 17.b). July 2013 Representative Welch responds that the only money available would be through the VA Grant Program
- VII- July 2013-September 2013 (PHASE 1Mold) mold removal takes place in basement storage areas. Cleaned, removed mold, fixed mechanical leaks, waterproofed and painted 13,000 sf of basement storage. Removed six dumpsters of waste. Currently using 4 box trailers for storage. PHASE 1 will be completed after new floor coatings are done in November 2013.
- VIII- August 2013: Management and Operations Report completed (H533 Sec 17.d.1.E)
- IX- November 2013 – (PHASE 2 Mold) mold removal documents ready to bid, including mold removal, asbestos removal, waterproofing and HVAC Improvements.
- X- September 2013 –February 2014: Complete the Comprehensive Mold Plan (H.533. Sec 17.d). To be submitted to the Institutions Committees by February 15, 2014.
- XI- December 2013: Facility Condition Assessment complete (H.533 Sec.17.c). To be submitted to the Institutions Committees by January 15, 2014.
- XII- January – September 2014: "PHASE 2 mold removal and HVAC improvements take place.

# Project Budget

## Vermont Veterans' Home Mold Update October, 2013

### FUNDING SOURCES

Remaining from Phase 3 Geothermal*	\$ 234,000	(\$88,732 State, \$145,306 VA)
2013 Capital Bill Appropriations**	<u>\$ 1,216,000</u>	
TOTAL FUNDS	\$ 1,450,000	

### SPENT TO DATE--"Phase 1 Mold"

(Consultants, removal, waterproofing UV lights, HEPA fans)	\$ 175,000
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### PENDING EXPENDITURES

Consultants (currently contracted)	\$ 150,000
Mold & Asbestos Removal, Cleaning	\$ 100,000
Misc. storage, demo, contingencies	\$ 75,000
HVAC, waterproofing, misc reno	<u>\$ 950,000</u>
	\$1,275,000

Total expenditures and pending expenditures \$1,450,000

\*Life Safety Code Improvements, Mold & Asbestos Removal Phases 1, 2, 3: Acts of 2005, 2007, 2008

\*\* Anticipating VA/State 65%/35% split

# Mold in Heat Pump, 2012 (L) Typical basement Area (R)



# HEPA Air Blower September 2012 (L) Kitchen Storage 2012 (R)



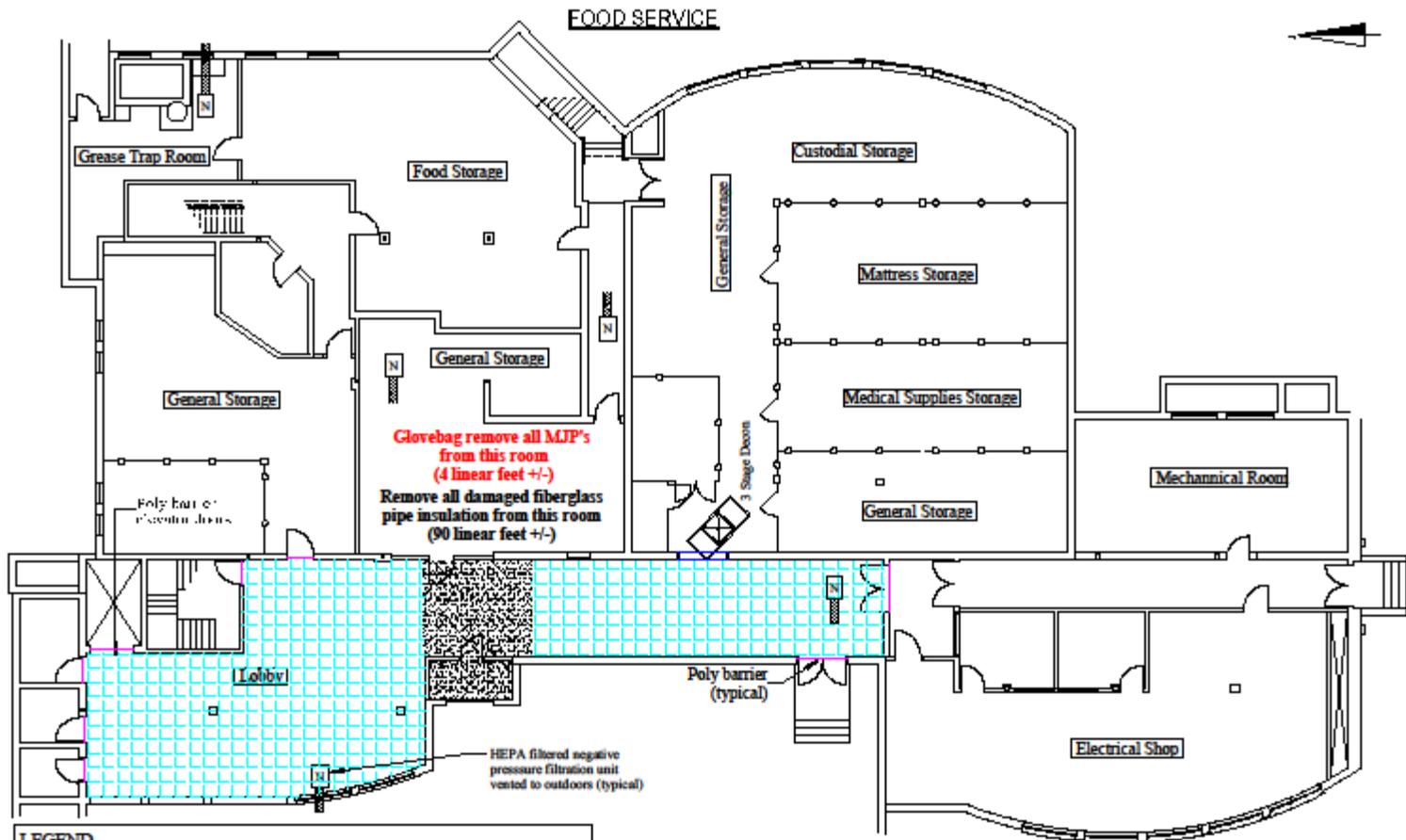
# Drywall and Asbestos Flooring Removal (July 2013)



# Typical Conditions for Phase 2



# Asbestos Flooring Removed August 2013



**LEGEND**

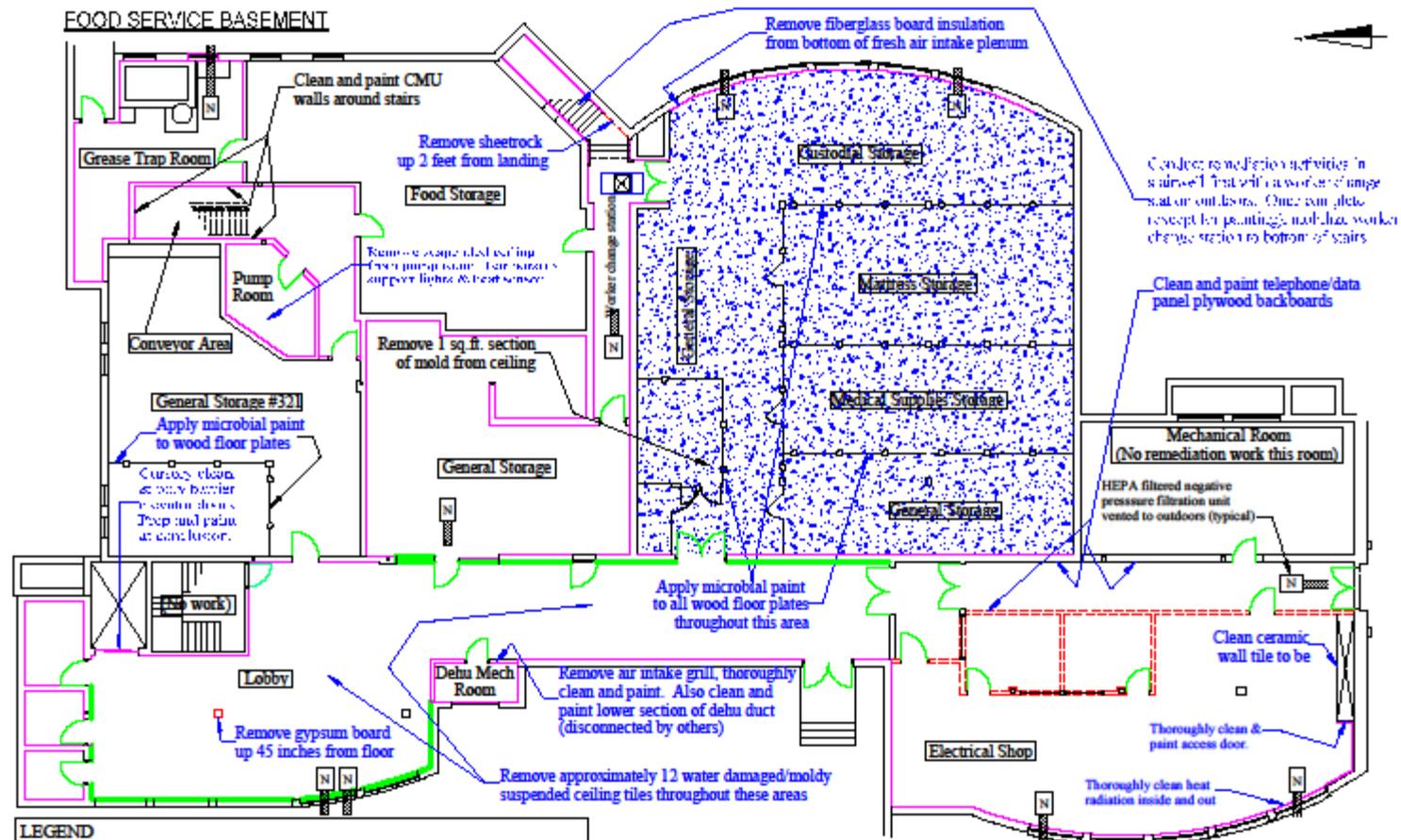
 - Vinyl floor tile & black mastic to be removed (1700 square feet +/-)

 - Black flooring mastic to be removed utilizing soy bean based solvents. Properly clean, neutralize and prepare concrete for application of concrete sealer (by others) (250 square feet +/-)

**NOTE: Remove all non-asbestos cove base where floor tile and mastic are being removed**

Prepared by:  <b>CROTHERS Environmental Group, LLC</b> Morrisville, Vermont 802-888-1936	<b>Vermont Veterans Home</b> 325 North Street - Bennington, Vermont Basement - Food Storage and General Storage Areas Asbestos Abatement Project Design Drawing	
	Not to scale Date: 5/10/13	<b>AA-1A</b>

# Mold Removal, Cleaning, Painting August 2013



- LEGEND**
- - Remove gypsum board up 45 inches from floor. Clean and apply microbial paint to floor plates (remove cove base where present). Take care not to damage light gage metal stud framing.
  - - Conduct cursory cleaning of walls, then apply microbial paint from the floor up 8 feet or to suspended ceiling height.
  - ..... - Conduct cleaning of ceiling, then apply microbial paint.
  - - Remove & dispose of fiberglass panels and associated cove base. Clean and apply microbial paint to wall.
  - - Conduct thorough cleaning of doors, treat rust per specification.

**NOTES:** With the exception of the Food Storage area and General Storage area #321, all wall surfaces not demarcated by magenta colored lines shall be cursory cleaned. Remove all cove base encountered in basement work areas

Prepared by:

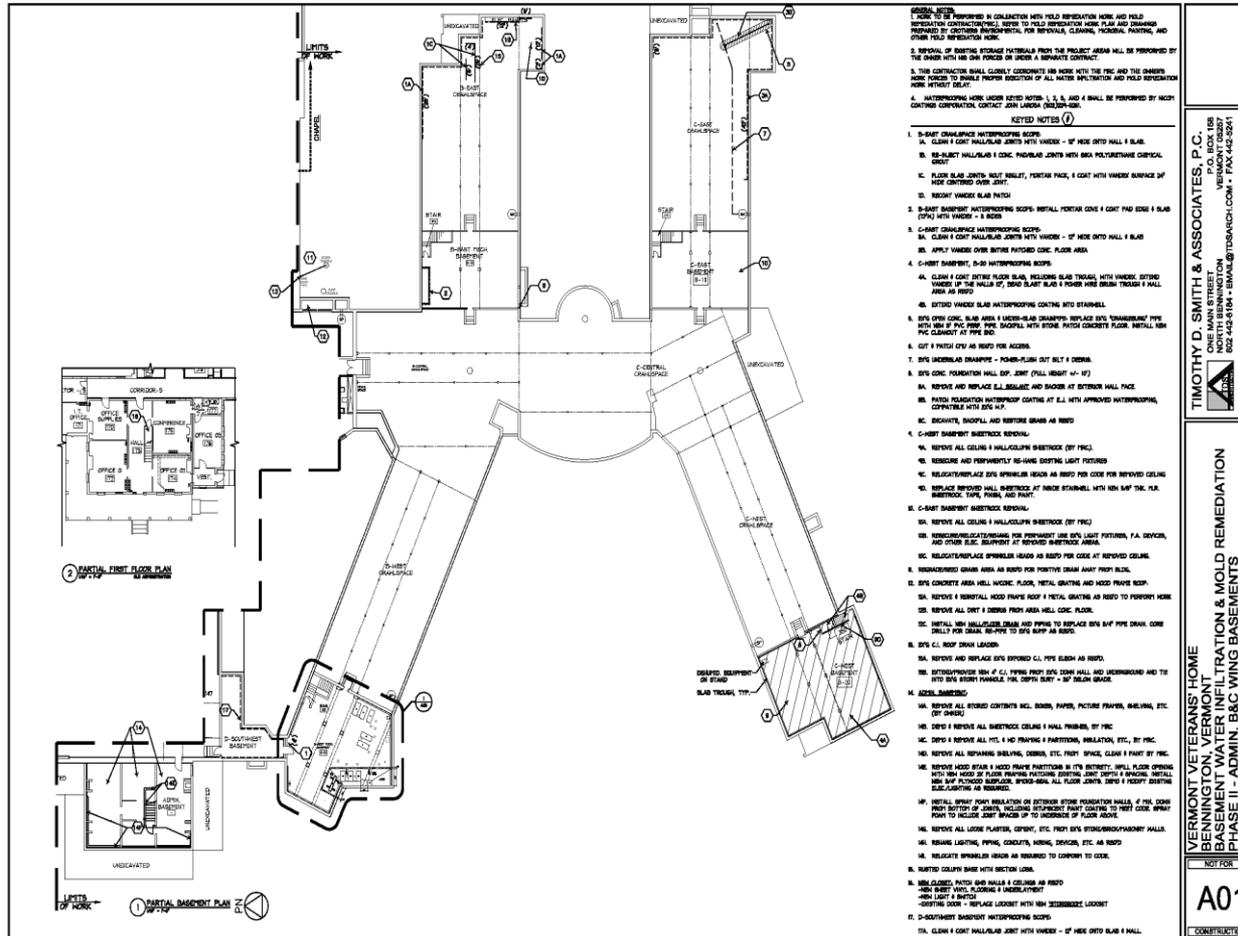
 **CROTHERS** Environmental Group, LLC  
Morrisville, Vermont 802-888-1936

Floor Plan provided by:

Vermont Veterans Home	
325 North Street - Bennington, Vermont	
Basement - Food Storage and General Storage Areas	
Mold Remediation Project Design Drawing	
Not to scale	

# Waterproofing and Water Control

## 2014



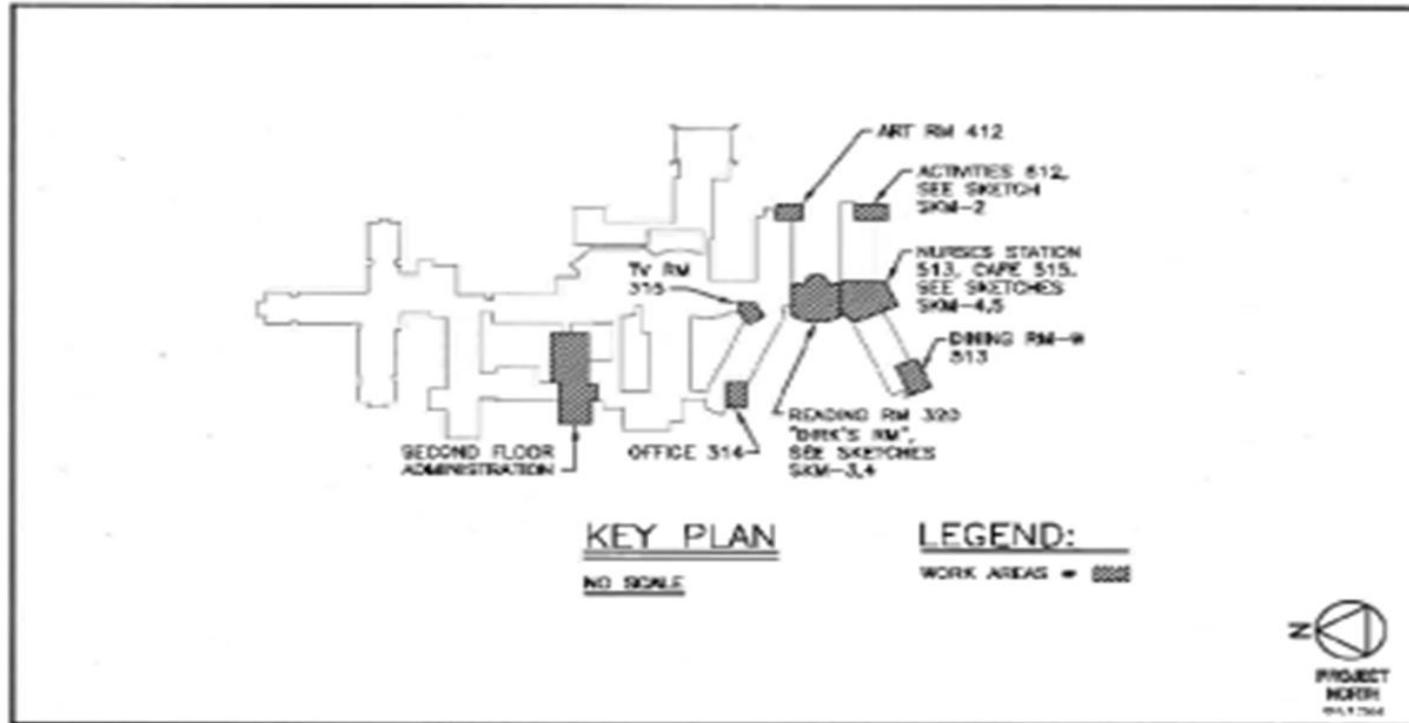
DATE: 08/28/2014  
SCALE: 1/8" = 1'-0"

**TIMOTHY D. SMITH & ASSOCIATES, P.C.**  
ONE MAIN STREET  
NORTH BARRINGTON  
VERMONT 05647  
TEL: 802-241-1000 FAX: 802-241-1001

**VERMONT VETERANS' HOME  
BENNINGTON, VERMONT  
BASEMENT WATER INFILTRATION & MOLD REMEDIATION  
PHASE II - ADMIN. & B&C WING BASEMENTS  
BASEMENT PLAN**

NOT FOR  
**A01**  
CONSTRUCTION

# HVAC Improvements 2014



<p><b>SKM-1</b></p>	<p>VERMONT VETERANS HOME 170 WASHINGTON AVENUE SCOTTSDALE, VERMONT SECOND FLOOR ADMINISTRATION</p>	 <p>VERMONT STATE ARCHITECT 100 STATE STREET MONTPELIER, VERMONT 05602</p>	<p>MOTIV D. SYTHI &amp; ASSOCIATES, PC 100 WASHINGTON AVENUE SCOTTSDALE, VERMONT VERMONT 05602</p>	<p>DATE: 03/10/14</p>
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