## Job Hazard Analysis

<table>
<thead>
<tr>
<th>JHA Number</th>
<th>Facility</th>
<th>Date Prepared</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>0033-PPD-CARP</td>
<td>University of Vermont</td>
<td>9/3/2019</td>
<td></td>
</tr>
</tbody>
</table>

### Description

Penetrating wallboard systems with asbestos present

### Smart Tabs

<table>
<thead>
<tr>
<th>Related Job Titles</th>
<th>Related Departments</th>
<th>Related Locations</th>
<th>Related MSDS</th>
<th>Training Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>* BUILDING TRADES SUPERVISOR * BUILDING TRADESPERSON SENIOR</td>
<td>* CONTROLS * DAVIS CENTER ZONE * LIFE SAFETY SYSTEMS * MEDICAL COMPLEX ZONE</td>
<td></td>
<td></td>
<td>* OSHA 10 Hour Construction Card</td>
</tr>
<tr>
<td>* FACILITIES REPAIRPERSON</td>
<td>* MEDPLEX PROJECT RENOVATIONS</td>
<td></td>
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<tr>
<td>* HAZARDOUS MATERIALS SPEC SR</td>
<td>* PROJECTS ZONE</td>
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<tr>
<td>* HAZARDOUS MATERIALS SPECIALIST</td>
<td>* SOUTH ZONE</td>
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<td></td>
<td>* TRAINING &amp; COMPLIANCE</td>
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<tr>
<td></td>
<td>* TRINITY ZONE</td>
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### Additional Description

Common sense should be applied when executing any job. We do our best to implement hazard control measures such as engineering controls, administrative controls and personal protective equipment. When the hazard is still present the use of certain PPE may be required for one or more steps but not all of the steps. However, it may be prudent to don all required PPE for the duration of the JHA.

**Work Practice for Penetrating Wallboard Systems asbestos present**

This includes (but is not limited to) activities such as:
- Hanging pictures
- Coat hooks
- Installing shelving track
- Removal of wall fixtures and furnishings
- Attaching modular furniture to walls
- Installing wiremold, switches or outlets
- Patching and painting

### Hazards Task Step Description | Control Measure | PPE Required
--- | --- | ---
1 | Contact TCO prior to penetrating the wall system to establish the presence or absence of asbestos | Possible asbestos exposure if TCO is not contacted | Call TCO |
2 | Gather equipment: HEPA Vacuum Spray bottle or garden sprayer of amended water Sponge(s) Other tools that may be required to complete task: drill, razor knife, saw, screwdriver, etc. Plastic waste bag(s) Plastic sheeting Paper towels/absorbent pads Duct tape Blue masking (painters) tape Encapsulant Paint or Kill Z Taping compound | | Note: Painters tape should be used in all instances where tape will be in contact with finished building materials. Duct tape must not be in contact with finished building materials because of the significant damage that it causes. |
**Job Hazard Analysis Continued**

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**Description**
Penetrating wallboard systems with asbestos present

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<tr>
<th>Step/Area</th>
<th>Task Step Description</th>
<th>Hazards</th>
<th>Control Measure</th>
<th>PPE Required</th>
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</table>
| 3         | Work procedure for drilling  
1. Gather all required tools at the worksite.  
2. Ensure all training is up to date, and the TCO and you Supervisor are aware of the project.  
3. Place plastic on the floor next to work area and secure with duct tape.  
4. Mark the wall where the penetration is needed.  
5. Use of HEPA shroud is preferred but if not available use the following sponge method  
6. Cut a hole in the sponge.  
7. Wet the sponge with amended water.  
8. Place the sponge over the drill.  
9. Place drill on the mark.  
10. Hold the sponge firmly against the wall.  
11. Drill hole.  
12. Keep the sponge firmly in place and remove the drill.  
13. Set the drill on the plastic on the floor.  
14. Wipe the sponge across the area where the hole was drilled, being careful not to release any dust.  
15. Place the sponge on the plastic.  
16. Wet some paper towels and wipe the wall to assure all debris is removed.  
17. When all drilling is complete, spray the drill with water and wipe with a wet paper towel to assure all dust is removed. Pay special attention to the drill bit.  
18. Wrap waste up in plastic sheeting and secure with duct tape, or place in a plastic bag.  
19. Dispose of waste in the shop dumpster. | Asbestos  
Silica  
Respiratory  
Eye | Follow steps PPE | Gloves, leather (802727); Respirator cartridges, P100; Respirator, half-face; Safety glasses, UVM Issued; ASTM F2413-17 M or F/I75/C/75/PR boot/shoe |

Prepared By: ___________________________  Date: ___________________________