ASBESTOS REMEDIATION DESIGN
GREATER LOWELL TECHNICAL HIGH SCHOOL
TYNGSBOROUGH, MA
FALL 2014 SCOPE

1.1 DESCRIPTION:

A. The work includes the complete removal and disposal of ACM listed below.

1.2 BUILDING:

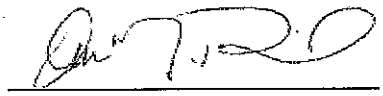
A. The building will not be occupied during abatement (After School Hours). However, custodians and construction workers will be working at other locations within the building.

B. No gas or propane fueled equipment will be allowed inside the building during abatement. Abatement activities must be performed utilizing electrical powered equipment.

C. Electrical, HVAC and fire alarm systems will not be shut down within the containment area as work will be limited to coring into ACM joint compound and removal of ACM transite panels intact.

1.3 DESIGNER:

A. A Commonwealth of Massachusetts licensed Designer Ammar Dieb, Universal Environmental Consultants (AD-900326) Expiring 2/2015.



1.4 AIR MONITORING:

A. Throughout the entire removal and cleaning operations, full time project monitoring will be conducted by a Massachusetts licensed Project Monitor.

B. Phase Contrast Microscopy (PCM) will be used for background and general areas air sampling. It is anticipated that 4-8-air sampling will be performed per shift.

1.5 CONTRACTOR

A. All asbestos abatement activities will be performed by a Massachusetts licensed asbestos abatement contractor RM Technologies.

B. The asbestos contractor will provide a full time supervisor with all appropriate state licenses, who is experienced in administration and supervision of asbestos abatement projects including work practices, protective measures for building and personnel, disposal procedures, etc.

C. The asbestos contractor will post on-site of all current certificates of training and licenses of all workers.

D. The asbestos contractor shall utilize all applicable personal protective equipment.

E. The asbestos contractor shall perform all required OSHA sampling.

1.6 DATES OF ABATEMENT:

A. It is anticipated that asbestos abatement activities will commence on September 8, 2014 at 3:00PM and be completed by November 18, 2014. Refer to the attached specific dates of abatement.

1.7 SCOPE OF WORK:

The scope of work includes the removal of the following ACM:

Transite Panels: 57 Panels
Joint Compound: 65 SF

Refer to the attached specific locations of abatement.

1.8 REMOVAL OF ASBESTOS CONTAINING MATERIALS:

A. For the removal of transite panels, the following procedures were implemented:

1. Access to work area closed off by poly.
2. Drop cloth placed underneath marked panel for removal.
3. Screw gun used to unscrew all screws holding panel to wall. HEPA vacuum used at each screw location while screw was being removed. Screws placed directly into ACM waste bag. Transite panel lowered into ACM waste bag whole piece and unbroken once all screws are removed.
4. Fiberglass batting behind panel removed and placed into ACM waste bag.
5. Transite panel sealed in doubled ACM waste bags.
6. HEPA vacuumed frame where transite panel was installed.
7. Removed drop cloth and opened access to work area.
8. Transport the waste to the dumpster/truck.

B. For the removal of transite panels, the following procedures will be implemented for future related work:

1. Access to work area will be closed off by poly.
2. Drop cloth will be placed underneath marked panel for removal.
3. A glovebag will be sealed over transite panel and panel is unscrewed inside of glovebag.
4. Air is HEPA vacuumed out of glovebag before bag is removed from wall.
5. Remove drop cloth and opened access to work area.
6. Transport the waste to the dumpster/truck.

C. For the removal of joint compound, the following procedures were implemented:

1. Access to work area closed off by poly.
2. Drop-cloth laid underneath marked location for mechanical penetration.
3. Hung and sealed glovebag to wall around marked location.
4. Water sprayer and HEPA vacuum sealed into bag. Water sprayed on marked area.
5. Electric drill with appropriately sized hole saw sealed in glovebag and used to make hole.
6. Water sprayed to clean hole saw bit and drill wiped down with wet rag.
7. Closed sheetrock piece into bottom of glovebag.
8. HEPA vacuumed hole in sheetrock and all of glovebag.
9. Removed glovebag once air is HEPA vacuumed out.
10. Lowered glovebag into black ACM waste bag then double bagged.
11. Sprayed Encapsulant on exposed sheetrock cut edge.
12. Removed drop cloth. Opened access to work area.

13. Transport the waste to the truck.

1.09 REFERENCE STANDARDS

A. All referenced standards shall be the latest edition available at the time of abatement. Comply with the provisions of the following codes and standards.

B. U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA) requirements, which govern asbestos abatement work or hauling and disposal of asbestos waste materials.

C. U.S. Environmental Protection Agency (EPA) requirements, which govern asbestos abatement work or hauling and disposal of asbestos waste materials.

D. U.S. Department of Environmental Protection (DEP), 310 CMR 7 (Air Pollution Control Regulations, 310 CMR 30 (Hazardous Waste Regulations) and all other relevant DEP regulations.

E. Massachusetts Department of Labor Standards (DLS).

1.10 DISPOSAL OF ACM AND ASBESTOS CONTAMINATED WASTE

A. Comply with 29 CFR I926.1101.

B. Comply with 310 CMR 7 & 30.

C. Seal all asbestos and asbestos contaminated waste material with double thickness 6-mil, sealable plastic bags and label the bags.

D. Transport the bags to the truck or dumpster and clean by HEPA vacuum or wet wipe route used to transport the waste.

E. Transport the waste to the EPA approved waste disposal site.

F. Provide Waste Shipment Records upon receipt from the disposal site.