DESIGN SCOPE OF WORK FOR ASBESTOS REMOVAL AT

Tatnuck Magnet School
Room 21
1083 Pleasant Street
WORCESTER, MASSACHUSETTS

10/15/2026

Removal work at the **Tatnuck Magnet School Room 21** is to be performed by a Massachusetts licensed Asbestos Abatement Contractor and all material shall be removed and disposed of in accordance local, state and federal regulations.

The Asbestos Abatement Contractor shall be responsible for providing all labor, materials, and equipment necessary for the performance of work. In addition, the Asbestos Abatement Contractor shall be responsible for retaining all permits and/or notifications required for performance of the work and pay for all fees associated with such permits and notifications.

Quantity estimates have been provided for bidding purposes. However, it shall be the Asbestos Abatement Contractor's responsibility to verify all quantity estimates in preparation of their bid price. No additional compensation will be allowed for any discrepancies between the quantities provided herein and actual quantities encountered during the site work.

ATLAS Technical Consultants LLC (ATLAS) shall provide technical advisement and project management during the Project. ATLAS's licensed Project Monitor and/or Project Designer, acting as the Owner's Representative, will perform monitoring of the Asbestos Abatement Contractor's work practices and performance, inspection of the worksites, and air sampling and analysis for each phase of the asbestos removal project. The Asbestos Abatement Contractor shall regard ATLAS's direction as authoritative and binding in all matters outlined by this Scope of Work.

All asbestos abatement activities shall be completed in accordance with the final schedule agreed upon by the Owner and ATLAS. ***Worcester Public Schools will remove movable desks, chairs, and tables. The Abatement Contractor shall cover all non-movable objects per Regulations. Fixed items, such as countertops, demising wall systems, appliances, etc. will remain and abatement will be completed to the edges of items so that a straight edge remains (as necessary)***.

The following specific requirements shall be applicable for asbestos abatement work.

If a specific note for an abatement procedure or requirement is not mentioned herein, the Asbestos Abatement Contractor shall perform the removal of such material in accordance with local, state and federal regulations.

1. The Asbestos Abatement Contractor shall coordinate with ATLAS and the Owner as to specific materials and locations where abatement will take place in accordance with this Scope of Work.
2. **Any materials deemed to be asbestos contaminated by the Consultant, prior to the start of work, or as a result of the work, shall be treated as such and disposed of properly by the Asbestos Abatement Contractor**.
3. With regards to the variance from requirements on polyethylene sheeting on "impervious wall" surfaces, the Asbestos Abatement Contractor shall be required to adhere to all requirements outlined by MA DLS and MassDEP regulations governing work area set-up for asbestos

abatement. The Asbestos Abatement Contractor shall take full responsibility including all costs associated with approval and/or denial of such actions (i.e. non-use of polyethylene) if determined to be noncompliant by the Consultant and/or a state or federal agency. If the variance is denied or discontinued by said parties; the Asbestos Abatement Contractor shall proceed with installation of polyethylene sheeting on such surfaces at no additional cost to the Owner.

4. The following requirements shall be applicable for abatement under this Scope of Work:

1. General

a. Perform abatement of asbestos containing flooring materials from room 21 using negative air filtration techniques, decontamination chambers, critical barriers, full 2 layer plastic containment's (2-layers of 4-mil poly on walls, and 2-layer of 4-mil poly for ceilings) and the encapsulation of post removal surfaces unless otherwise specified in this Section. Other similar building materials may be in/proximal to the work area but are no part of this abatement project and are outside of this scope. **Removal includes 2 layers of 12"x12" floor tile and mastic, 1 layer of plywood and 1 layer of 9"x9" floor tile and mastic.**

b. Establish a decontamination unit in accordance with applicable regulations. Properly sealed (double waste-bagged, cleaned, labeled, etc.) waste materials may be transported through the 3-stage decontamination unit to the transport vehicle.

c. Workers shall wear disposable protective suits and respiratory protection for abatement or disturbance of asbestos-containing materials.

d. Consistently and thoroughly wet asbestos containing materials with a fine spray of amended water. Carefully remove (manual hand-methods) and immediately place asbestos in approved and properly labeled 6-mil polyethylene disposal bags or drums. Grinding off mastic with shrouded hand-grinders attached to HEPA filtered vacuums. Diligently scrape or brush asbestos residue materials from surfaces. After brushing and scraping, surfaces shall be free of visible debris and surfaces shall be HEPA vacuumed clean.

e. Any damage caused to the floors, walls, doors or any other items as a result of the abatement work shall be repaired by the Abatement Contractor or compensate the City of Worcester.

f. Comply with requirements for final clearance and release of a work area as described in this Section and as required by applicable regulations prior to tear down of polyethylene and area clean up. Perform Final Clearance Visual Inspections in accordance with the testing requirements outlined in Section 7.

g. Conduct personal 8-hour time weighted average and excursion air sampling on abatement workers in accordance with procedures outlined in OSHA 29 CFR 1926.1101.

h. Maintain the flowing records on-site:

1.) Records on each employee on site including respirator fit-test documentation, training certificates, latest medical surveillance records, a copy of the company respirator program, employee qualifications and company health and safety manual.

2.) Record asbestos waste removed from the site including date, time, quantity (number of bags or cubic yards) destination of waste, name of approved hauler and EPA approved landfill and final chain of custody forms.

3.) Copies of applicable permits and notifications.

4.) Personal air sampling results.

6. Refer to Attachment A (Table 1.0) for a summary of materials that require abatement. It shall be the Asbestos Abatement Contractor's responsibility to perform all such abatement of those materials in accordance with this Scope of Work as well as applicable local, state and federal regulations. No additional compensation shall be granted to the Asbestos Abatement Contractor for compliance with applicable laws when performing the abatement work at the site.

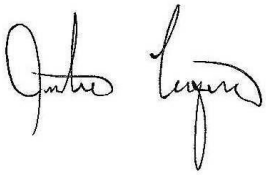
7. After completion of abatement for each area, ATLAS shall perform a visual inspection and final air clearance testing. The Owner shall pay for one (1) final visual inspection and final air clearance test in the containment areas. Transmission Electron Microscopy (TEM) clearance air testing will be performed to confirm the completion of the abatement activities after successfully meeting visual inspection criteria by the Project Monitor and Abatement Supervisor. All clearance testing shall be performed in accordance with State of Massachusetts and EPA "Asbestos Hazard Emergency Response Act" (AHERA) Regulations. The work areas shall be considered complete if the following criteria are met:

(i) Maximum airborne concentration of the average of the five inside the work area samples less than 70 structures per square millimeter (<70 s/mm2).

(ii)

(ii) TEM final air clearance samples are scheduled for a 6-hour turnaround time upon receipt at the laboratory.

Note: Should results fail the clearance criteria described above, or if the visual inspection fails, the Asbestos Abatement Contractor shall re-clean the entire work area at no additional cost to Owner in accordance with applicable requirements and regulations. The Asbestos Abatement Contractor shall pay for all additional testing and inspections required until the clearance level is achieved.



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Asbestos Project Designer AD#900412

ATTACHMENT A

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

TABLE 1.0 **Tatnuck Magnet School**			
LOCATION	**MATERIAL**	**QUANTITY**	**ABATEMENT**
Room 21	Floor Tile and Mastic (all layers down to existing concrete floor)	721SF	Full Containment with TEM Air Clearance

TATNUCK BASEMENT

PERIMETER SF = 10,401

0’ 5’ 10’ 20’ 40’

ART
22
SF=663

Waste Load Out

Decon

TECHNOLOGY
21
SF=721

AIR SHAFT
AIR SHAFT

STRG
UP
STAIRS 4

SS

NAFU Exhaust

Remove 721SF Floor Tile and Mastic (removal includes all layers down to concrete floor) This includes 2 layers of 12"x12" Floor Tile and Mastic, 1 layer of Plywood and 1 layer 9"x9" Floor Tile and Mastic

OT/PT
SF=582

STORAGE
SF=220

TANK
WTR HTR

CONCRETE PAD

PIT

BOILER 2
BOILER 3
BOILER 4

BOILER ROOM
SF=1,055

DN
DUCT
DUCT

CUSTODIAN OFFICE
SF=161

FACP

TEACHERS LOUNGE
SF=370

UP
STORAGE
SF=36

SINK

STAIRS 3
UP
STORAGE
SF=133
STORAGE
SF=57

S
S
WOMENS
SF=148

DF DF

PIT
SF=65

MENS
SF=136
S
S

STAIRS 2
UP
STORAGE
SF=133
STORAGE
SF=57

ELECT CL
SF=41

NAT’L GRID ELECTRIC
SF=93

STORAGE WTR MTR
SF=86

AIR SHAFT
AIR SHAFT

CURRICULUM ENRICHMENT / MUSIC
SF=658

STAIRS 1
UP

SPEECH & SPED
SF=626

PARTITION WALLS

STOR
SF=33

S
S
TLT
SF=52

AIR SHAFT
AIR SHAFT