

**SECTION 02 82 13.01
ASBESTOS ABATEMENT FOR LOUVERS AND WINDOWS**

PART I - GENERAL

1.01 REFERENCE STANDARDS

- A. 29 CFR 1926 - Safety and Health Regulations for Construction; Current Edition.

1.02 RELATED DOCUMENTS

- A. The Contractor is referred to: the "Contract Drawings"; the "Contract Specifications"; the "Instructions to Bidders", the "General Conditions, N.Y.C.H.A. Contracts" (Latest Edition); the "Form of Proposal", the "Amendments to General Conditions", and any Amendments and Addenda, all of which govern the work of this Contract.

1.02. SCOPE OF WORK

- A. The work of this Division consists of removing asbestos contaminated joint caulk around existing windows.
- B. Contractor shall provide all labor and materials necessary and required for this work.
- C. All work shall be in accordance with the latest Rules and Regulations of all municipal and other public agencies having jurisdiction. Any requirements specified herein which conflict with such rules or regulations shall be referred to the Authority for decision. All asbestos removal and disposal to be performed under this Contract shall be in accordance with all applicable Federal, State and City Regulations.
1. 1.03.GENERAL REQUIREMENTS
- D. General Conditions
1. The Contractor shall furnish labor, materials, services, insurance and equipment necessary for the proper removal of asbestos-containing roof materials, required by the General Contract.
 2. Violations to asbestos regulations governing this abatement will not be tolerated. At the Authority's discretion, the Asbestos Handler Supervisor of this Development will be required to be replaced.
 3. The Contractor shall post on the job site the following Regulations: NY State Industrial Code Rule 56, NY City DEP Title 15 Chapter 1, US EPA Regulations for Asbestos, 40 CFR 61 Subparts A and M, and OSHA 29 CFR 1926.58.
 4. The Contractor shall carry asbestos insurance when removing asbestos and throughout the entire process, and assume full liability for failure to comply with Federal, State and City Regulations.
 5. The Contractor shall furnish and post approved signage indicating that asbestos work is to be conducted within the building. Signs shall address the dates in which abatement is to take place. This notification is to be approved by the Development Management.
 6. Asbestos abatement activities are to be monitored by an Authority Inspector and/or a representative on behalf of the Authority acting as an Asbestos Project Monitor. The Asbestos Handler Supervisor shall adhere to the direction of the Inspector and Project Monitor.
 7. Non-certified persons can not enter the asbestos abatement regulated work area to apply the temporary seal on abated sections of the roof.
 8. The Contractor shall be required to keep a daily log to be inspected by the Authority.
 9. If at any time the Authority representative or any agency having jurisdiction decides that work practices are violating pertinent regulations, or endangering workers, he will immediately notify the Contractor's Asbestos Handler Supervisor that operations will cease until all corrective action is taken.
 10. Asbestos abatement shall not be scheduled or performed on days where the ambient Temperatures are below 40° F.
- E. Special Conditions

1. Prepare a schedule of work in consultation with the Manager/Superintendent, the Contract Administering Department, and the Environmental Inspection Unit of the Technical Services Department. The schedule is to be followed as closely as possible.
 2. Asbestos abatement activities shall be between the hours of 8:00 AM and 4:00 PM.
- F. Protection Of Property
1. Where work is performed, the Contractor shall be held fully responsible for all damage to Housing Authority property. Any equipment furnished under this Contract and any property of the Authority damaged by this Contractor or his employees shall be restored to its original condition or replaced without cost of the Authority.
- G. 1.04 APPLICABLE REGULATIONS, CODES AND STANDARDS
1. All asbestos removal and disposal to be performed under this Contract shall be in accordance with applicable regulations, guidelines and standards and are to include, but are not limited to:
 2. New York City D.E.P Title 15, Chapter 1
 3. N.Y. State Industrial Code Rule 56.
 4. US EPA Regulations for Asbestos 40 CFR 61 Subparts A & M
 5. OSHA 29 CFR 1926 and 1910
 6. N.Y. State DEC- Article 27, Title 3 and 15

1.05. FILING & CERTIFICATION

- A. Submit all filings to the Environmental Inspection Unit of the Technical Services Department for review and signature, as the Owner, prior to submittal to the required regulatory agencies.
- B. Contractor shall submit the following documents when requesting approval and signing of NYC DEP filings with the Environmental Inspection Unit:
 1. Contractor's Asbestos Handler License from NYS Dept. of Labor.
 2. Sub-Contractor approval letter from the Contracts Division- Design Department.
 3. Filing notifications to the NYS Dept of Labor.
 4. Filing notifications to the E.P.A.
 5. Asbestos waste transporter permit from NYS DEC.
 6. Designated disposal site landfill permit.
- C. Work shall not begin until there is an approved schedule and the NYC DEP V-2 form has been received by the Environmental Inspection Unit.

PART II - PRODUCTS

4.01 MATERIALS

- A. Materials (chemical solutions) shall be delivered in their original containers, sealed by the Manufacturer. Don't use opened containers on this project. Clearly label containers with Manufacturer's name, product identification and lot numbers, and store out of the weather in their original, tightly sealed containers. Mix materials according to Manufacturer's directions and Specifications.
- B. The material used to blanket or wet the asbestos containing roofing materials shall be an acceptable foam or viscous liquid approved by DEP, EPA and:
 1. The following are approved materials for use on this project. Approval of an equivalent product must be obtained prior to use of the product on this project. Approval must be requested prior to the filing of this project.
 - a. "IDC Hydrofoam" by IDC Industries (718) 596-3000 or approved equal.
 - b. Encapsulant shall be "Serpiloc" Pre-mixed lock down penetrating encapsulant (Post removal) as Manufactured by W. R. Grace Construction Products (Flame Protection Division) (866) 333-3726 Option 2,1,1 Fax (617) 498-4419, or approved equal.

PART III - EXECUTION

5.01 3.01 PREPARATION ACTIVITIES

- A. Construct a fully functional remote decontamination enclosure system (DECON) prior to any work area preparation. The water and electrical sources for the DECON shall be those sources closest to the DECON. Electricity from the elevator room is prohibited unless approval is granted by the Development Management.
- B. If the DECON is to remain in place overnight, the DECON shall be contained within a plywood shell.
- C. The Authority's Inspector and/or the Development Monitor is required to approve the DECON following the inspection by the Asbestos Handler Supervisor and prior to work area preparation.
- D. The Authority's Inspector and/or the Project Monitor are required to approve the pre-abatement work area preparation following the inspection by the Asbestos Handler Supervisor and prior to asbestos removal.

3.02. ASBESTOS REMOVAL

- A. The use of hand held power tools must be approved by the Environmental Inspection Unit. Only power tools that have a factory installed HEPA filtration attachment shall be considered for approval.
- B. Power saws, of any type, are prohibited from use on asbestos-containing roofing materials.
- C. Asbestos removal is prohibited until air monitoring equipment is in place and operating.

3.03. PACKAGING AND DISPOSAL OF ASBESTOS AND RELATED DEBRIS

- A. Remove all asbestos and non-asbestos debris from the premises prior to the end of the work shift. At no time shall asbestos debris be allowed to be stored on site once the Contractor has left the site.
- B. Both the initial and the doubled waste bag must be sealed with duct tape. Sealing the outer bag only is prohibited.
- C. Site specific generator labels shall include the building location address, City and State, the date of abatement, the abatement Contractor's name, and the words "New York City Housing Authority."
- D. Affix generator labels to the waste bags prior to removing the bags from the roof. Don't affix labels to the bags at the waste hauling truck.
- E. Transport all asbestos waste directly to a transfer station or the landfill. Don't store or transfer asbestos waste to another location prior to transport to a transfer station or the landfill.
- F. Do not remove asbestos waste from the site without a properly documented waste manifest.
- G. All asbestos waste shall also be required to comply with U.S. Environmental Protection Agency Regulations, Title 40, Part 61, Sub-part A & B (40 CFR A & B) and OSHA Regulations ((29 CFR 1910))) for Collecting, Packaging, Transporting and Disposing of Asbestos.

3.05. INDEPENDENT AIR MONITORING AND AIR CLEARANCE

- A. An independent Contractor selected and paid for by the Authority shall conduct air monitoring during asbestos removal.
- B. Air sample results reported above 0.009 f/cc shall require that abatement practices be altered on the following shift so as to reduce the airborne fiber levels. The altered procedures must be documented by the asbestos handler supervisor and submitted to the Environmental Inspection Unit, for approval.
- C. Clearance air monitoring is not required.

3.06. WASTE MANIFEST

- A. All asbestos waste shall be properly manifested prior to removal from the Authority's property.

- B. Waste transporting shall follow all provisions of the Environmental Conservation Law, Title 3, of Article 27.
- C. Copies of the manifest, after all asbestos has been removed from specifying the location, and indicated where the waste will be transported, shall be given to the Authority's Inspector and/or the Project Monitor.
- D. A final copy signed by the landfill is to be submitted to:
Director of Brooklyn / Staten Island Program Unit,
90 Church Street, 10-th Floor
New York, N.Y. 10007

END OF SECTION 02 82 13.01