

Part 1 General

1.1 CLEANING

.1 Generalities:

- .1 All cleaning of the completed finished work must be undertake by skilled labour and according to the manufacturer's instructions.
- .2 Undertake all necessary steps and procedures and obtain permits from the proper authorities to proceed with the disposal of all debris and waste materials.
- .3 Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
- .4 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .5 Ensure adequate ventilation during the storage and use of volatile or noxious substances. To this effect, it is forbidden to use the building's permanent ventilation system. Arrange for a temporary construction ventilation system that is independent from the building's ventilation system.
- .6 Control dust propagation.

.2 Materials:

- .1 Use only cleaning materials recommended by manufacturer of surface to be cleaned, and as recommended by cleaning product manufacturer. Ensure that the products are compatible with the surface that is to be cleaned.

.3 Cleaning During Construction:

- .1 Remove waste materials and debris daily from the site.
- .2 Do not allow debris, garbage or waste to accumulate on the worksite.
- .3 Provide sufficient number of containers for collection of waste materials and debris on site.
- .4 Provide separate containers for recyclable waste, such as wood, metal, gypsum and other materials as directed by Owner.
- .5 Schedule cleaning operations so that resulting dust, debris, and other contaminants will not contaminate building systems.
- .6 Keep crawl spaces, passages and access routes completely clear of materials and equipment at all times.
- .7 Clean roads used by Contractor's vehicles daily.

1.2 FINAL CLEANING

- .1 When construction work is almost over, and before the final inspection, remove scaffolding, temporary protection of surplus materials, tools and equipment not required for the rest of the work, and make good defects noted at this stage. Advise the Architect and the Consultants so that they can coordinate their inspections before the scaffolding is removed.
- .2 When construction work is almost over, undertake a final inspection of all visible surfaces and hidden spaces.
- .3 Do the final cleaning to prepare the site for tentative approval (Substantial Completion of Work), in order to allow for a partial occupation.
- .4 Remove debris and surplus materials from all concealed spaces (crawl space, attic, etc.).
- .5 Remove soil, grease, dust, dirt, stains, labels, fingerprints, and other foreign materials, from interior and exterior finished surfaces including glass and other polished surfaces.
- .6 Do not remove approval labels.
- .7 Replace broken, scratched or damaged glass elements.
- .8 Clean lighting reflector, lenses, and other lighting surfaces.
- .9 Clean manufactured articles in accordance with manufacturer's directions.
- .10 Clean hardware, mechanical fixtures, cover plates, and equipment, including polishing of their finish metal, porcelain, vitreous and glass components.
- .11 Dust all interior and exterior surfaces and vacuum them, including the back of vents, shades and screens.
- .12 Clean existing areas under contract to a condition at least equal to that of previously existing and obtain approval of Contractor and Architect.
- .13 Broom, clean, and wash paved surfaces; rake clean other surfaces of grounds affected by this Contract.
- .14 Maintain cleaning until Owner has taken possession of building or portions thereof.
- .15 Refer to specification for cleaning instructions for finishes, etc.

1.3 WASTE MANAGEMENT

- .1 Waste management criteria
 - .1 Conduct waste management operations that take into account with environmental preservation issues and sustainable design.
 - .2 The goal is to minimize, by 75% in weight or volume, the quantity of waste being sent to dump sites.
 - .3 Sort recyclable and reusable materials and process them separately.

- .2 Storing, handling and protection of materials
 - .1 Store all recyclable and reusable materials in designated areas, as indicated by the Departmental Representative or Consultants, until they are to be recycled or reused.
 - .2 Unless indicated otherwise, all waste materials that must be removed from the site, become the property of the Contractor and must be removed from the site.
 - .3 Protect, assemble, store and catalogue all reused elements. Separate non-reusable elements from reusable ones. Transport and deliver the non-reusable elements to an authorized waste disposal facility.
 - .4 Protect all electrical and mechanical installations.
 - .5 Prevent the contamination of waste materials that are destined to be reused or recycled to ensure that they will be receiving them.
 - .1 It is recommended to sort all waste materials at the source.
 - .2 Remove the waste materials that were not sorted from the site and send Them to an off-site sorting center where they are to be sorted.
 - .3 Provide a transportation letter for all sorted waste materials.
- .3 Waste removal and general requirements
 - .1 It is forbidden to bury waste or garbage.
 - .2 It is forbidden to dispose of waste or garbage in a stream, storm drain or sewer.
 - .3 Recupérate waste materials progressively during the demolition and disassembly work.
 - .4 Prepare a project summary to control the destination and quantities of each type of waste material previously identified in the audit performed during deconstruction.
- .4 Disposal of demolition waste
 - .1 Minimize waste resulting from the purchase of new materials by:
 - .1 Buying ties, sealing products, joint compound and other elements in bulk formats.
 - .2 Requiring manufacturers to deliver their products using reusable protection covers, or similar elements, and not disposal wrappings like carton or plastic.
 - .3 Reusing waste whenever possible, including the sheets used to protect materials. Joint compound seals, for example, are excellent tool holders
 - .2 Minimize waste resulting from the installation of new materials by reusing the waste associated with these tasks, such as:

- .1 The use of metallic waste to patch holes in partitions.
- .2 The use of clean wood waste pieces, if appropriate.
- .3 Minimize waste resulting from site losses, like cutting scrap, by:
 - .1 Specifying the materials that are to be cut.
 - .2 Ensuring that all materials are delivered to site only when they are required in order to prevent losses caused by bad weather and damaged materials.
 - .3 Immediately returning, to the manufacturer, all damaged materials.
 - .4 Protect all materials from bad weather so they do not become waste.
 - .5 Give preference, as much as possible, to manufacturer's who provide a credit for non-used materials or who will take back unused materials.

1.4 PLAN VERIFICATION AND SITE VISIT

- .1 Carefully study the architectural drawings and verify the work site conditions, in order to evaluate, precisely, the exact nature of the work and to determine the scope of the works included in the present Section.
- .2 Cleaning work is also to be undertaken in some related Sections; refer to the other Specifications Sections and coordinate the specific cleaning requirements with the appropriate sub-consultants.
- .3 The Contractor must install adequate protection in order to minimize cleaning outside the work zones.
- .4 At the very end of the work, do a complete and thorough cleaning of all the work.

1.5 WORKMANSHIP

- .1 Conduct cleaning and disposal operations to comply with local ordinances and anti-pollution laws.
- .2 Do not dispose of volatile waste, such as mineral spirits, oils and paint or varnish solvents, in a storm drain or sewer.
- .3 Store volatile waste in covered metal containers, and remove from premises at end of each working day.
- .4 Prevent any accumulation of waste as it may present safety risks.
- .5 Ensure adequate ventilation during the storage and use of volatile or noxious substances, if acceptable.
- .6 Ensure that the installations are in conformity with applicable codes and that all fire protection devices are adequate and maintained to be fully operational at all times.

1.6 DUMPS

- .1 All garbage, waste and debris must be removed from the work site and transported to a dump or other place permitted by applicable codes and regulations. The removal must be done by truck, at the end of each workday.
- .2 The Contractor will cover the transportation and dumping costs.

1.7 PRODUCTS AND EQUIPMENT

- .1 Use only cleaning materials recommended by manufacturer of surfaces to be cleaned, and as recommended by cleaning product manufacturer.
- .2 Use appropriate and sufficiently powerful, commercial cleaning equipment as required for the work.

Part 2 Products

2.1 NOT USED

Part 3 Execution

3.1 NOT USED

END OF SECTION