

## SECTION 01850 - DUST CONTROL MEASURES

### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification sections, apply to work of this section.
- B. Contract Documents: Indicate the work of the Contract and related requirements and conditions that have an impact on the project. Related requirements and conditions that are indicated on the Contract Documents include, but are not necessarily limited to the following:
  - 1. Existing conditions and restrictions on the use of the floor.
  - 2. Requirements for partial Owner occupancy of portions of the work prior to substantial completion of the Contract Work.

#### 1.02 SUMMARY OF DUST CONTROL MEASURES

- A. The work of this section can be summarized as follows:
  - 1. The purpose of this Section is to develop and implement actions required to be taken to compensate for hazards posed by aspergillus (fungi in dust which may be dislodged during construction).
  - 2. All temporary construction partitions shall be extended from the floor through the suspended ceiling, to the underside of the floor deck above. In areas where the presence of asbestos above the ceiling system prohibits the temporary partitions to be extended to the deck, the temporary partition shall be constructed to the ceiling system, and shall be taped against the ceiling system for a complete seal.
  - 3. The construction area shall be vacuumed prior to beginning construction, using a vacuum cleaner equipped with a HEPA filtering system.
  - 4. All penetrations into the construction area shall be sealed, windows closed, and all supply, exhaust / return air ducts capped when possible. Coordinate this work with the MMC Project Manager.
  - 5. Temporary partitions to isolate the construction site shall have gasketed doors with self-closing latching hardware and dampened walk-off mats both inside and outside the construction area.
  - 6. Negative pressure shall be maintained within the construction site at all times by the use of negative air fans fitted with high-efficiency particulate air (HEPA) filters. Route ductwork from the negative-air fans to the exterior of the building, filtering the air in the duct prior to being discharged, by means of a standard furnace air filter.
  - 7. Audible and/or visual alarms shall be installed so that any loss of negative pressure in the construction site can be known immediately to those outside the site. Submit suggested alarm type to the MMC Project Manager for approval prior to installation.
  - 8. Provide and install a magnehelic diaphragm-activated negative pressure gauge equal to Dwyer model 2000-0, with a water range of 0-.5", in each negative pressure construction area. Install the negative pressure gauge adjacent to the access door. Route a piece of plastic tubing from the gauge to a space not under construction, and not more than 20' away.

9. Debris removal from the construction site shall be completed by a predetermined route at times when patients are in their rooms with their doors closed. Debris shall be transported in clean containers with tight-fitting covers.
10. Any dust tracked out of the construction site shall be removed immediately. Cleaning in occupied areas shall be with HEPA-filtered vacuum cleaners.
11. All air-handling ducts shall be shut down or covered whenever possible during demolition activities. **This covering or shut-down of air-handling ducts must and shall be approved by the MMC Project Manager prior to modifying existing conditions.**
12. The negative air pressure system shall be activated prior to the commencement of work each day, and remain operating until one-half hour after the stop of work for each day.
13. All temporary partitions shall remain in place until all cleaning within the work areas has been completed.

PART 2 - PRODUCTS (Not applicable).

PART 3 - EXECUTION (Reserved).

END OF SECTION 01850