SECTION 01510 - INFECTION CONTROL DURING CONSTRUCTION ACTIVITIES

PART 1 - GENERAL

1.1 Drawings and general provisions of the Contract, including the General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes requirements for infection control during construction.

B. When planning demolition, construction or renovations, Lifebridge Health will make provisions to evaluate the project’s impact on air quality and infection control systems in occupied buildings or spaces. Lifebridge Health will use established criteria to assess each project for the selection and implementation of controls to minimize the impact of construction activities.

1.3 CONSTRUCTION/ RENOVATION PROJECT TEAM RESPONSIBILITIES

A. A team responsible for the implementation and monitoring of indoor air quality and infection control systems shall be established to assess major construction/ renovation projects. The Construction Assessment Team (CAT) shall consist of the following at each campus.

1. Director Facilities Management.
2. Manager Infection Control.
3. Vice President Operations.
4. Facilities Manager.
5. Manager and/or Director of Department under construction/ renovation.
7. Construction Contractor Director, Manager, Foreman or other leader.
8. Other designers, contractor/ subcontractor personnel or Lifebridge Health staff as needed.

1.4 RISK ASSESSMENT OF PROJECTS

A. The Directors of Facilities Management or their designee shall assess every construction, renovation, repair or installation project that causes or has the potential to cause dust, dirt and other debris to become airborne.

B. The Directors of Facilities Management or their designees shall use the Infection Control Risk Assessment procedures to identify what precautions must be implemented in relationship to the type of work and Patient Risk Group.
C. Construction Class 1 or Class 2 projects shall only need evaluation by the Directors of Facilities Management and not the Construction Assessment Team.

D. The Directors of Facilities shall assemble the Construction Assessment Team for all construction Class 3 and 4 projects.

E. The team will evaluate the potential impact of the project to the patient population and ensure adequate precautions are taken to minimize dust, dirt, debris and noise.

F. An Infection Control Construction Permit must be submitted to Lifebridge Health and authorized before construction/renovations can begin on all construction Class 3 and Class 4 projects.

G. This project is a Class 4 project and will follow those construction guidelines.

PART 2 - PRODUCTS

2.1 SUBCONTRACTORS

A. Infection Control Subcontractor: Rolyn Construction Corporation, 5706 Frederick Avenue, Rockville, Maryland, 20852, (310) 468-1553.

2.2 MATERIALS AND EQUIPMENT


B. Portable HEPA Air Scrubbers: PAS2000HC (Abatement Technologies) or equivalent, 2000 cfm peak airflow capacity, with 12-inch diameter exhaust outlet and HEPA filters that have capacity to remove particulates to at least 99.98%.

C. Small HEPA portable vacuum for site and clothing cleanup.

D. Exhaust Hoses: 12” heavy duty PVC Wire-Reinforced Flex Duct or better.

E. Walk Off Tack Mats: 24” x 36” as manufactured by 3M or equivalent.

F. Portable Barrier Systems For Ceiling Access: Kontrol Kube manufactured by Fiberlock Technologies or equivalent.

PART 3 - EXECUTION

3.1 BARRIERS

A. Closed doors sealed with duct tape over each frame and door is acceptable for projects where construction/renovations can be contained to one room.
B. Barriers for construction, demolition or reconstruction that cannot be contained to a single room must have the following features.

1. Airtight plastic barrier that extends from the floor to the ceiling with all seams sealed with duct tape or,
2. Barriers constructed from metal studs and gypsum board and extending from the floor to the ceiling with the joints covered or sealed.
   a. All holes, gaps or openings of any type must be sealed so the barrier will be airtight.
3. Anteroom that allow workers to remove protective clothing or vacuum existing clothing before exiting.
4. Overlapping of entrances spaced a minimum of 2 feet apart.

3.2 GENERAL PROCEDURES/IMPLEMATION

A. Removal of debris shall be in tightly covered containers and in routes approved by Facilities Management.

B. Tack mats or walk-off carpets shall be kept clean and changed as necessary to prevent accumulation of dust.

C. HVAC ducts shall be capped off in a manner that is dust-tight and prohibits airflow with the exception of one exhaust connected to the air scrubber.

D. Vacuuming outside of construction area that is not negative pressure shall only be done using HEPA filtered vacuum.

END OF SECTION 01510