Pre-Constructi	Pre-Construction Risk Assessment	
Infection Control / S	Safety Construction Permit	
Location of Construction:	Project Start Date:	
Project Coordinator:	Estimated Duration:	
Contractor Performing Work:	Permit Expiration Date:	
Supervisor:	Telephone:	

Description of project:

Construction Activities

The following projects do not require completion of the Pre-construction risk assessment form:

- 1. Paint and wallpaper in business offices and non-patient areas.
- 2. Paint in patient room if closed for painting and less than 3 sq.ft. of wall needs patched. Filter for room unit changed after painting.
- 3. Installation of soap dispenser/needle box/paper towel holder in patient room
- 4. Repair of window blind.
- 5. Ceiling tile replacement for areas less than 10 2 X 2 tiles, if not in business offices and non-patient areas.
- 6. Ceiling tile replacement for area less than 5 2 X 2 tiles in a patient area if patient is out of the immediate area and clean up can be Accomplished before patient returns.
- 7. Minimum repair of nurse call system/TV/Bed/Telephone.
- 8. Check or replace electric outlet.
- 9. Replace light bulb.
- 10. Unstop sink/commode with no water on floor.
- 11. Unstop commode when water on floor requires maintenance to have Housekeeping clean area immediately.
- 12. Repair medical gas outlet. (Front Body)
- 13. Air balance readings.
- 14. Check air-conditioning.
- 15. Intermediate jobs that create a moderate amount of dust inside room and is made negative by use of hepa-equipped unit with minimum 10 ACH, and all air discharged outside, hepa unit must run 2 hours after completion of job and Housekeeping must clean room before unit is removed from room. All work and use of hepa unit must be documented and copy forward to Infection Control and Safety. **NOTE: all duct vents to be sealed off during work!**

Yes	No	
		Will there be noise generated that will impact a department adjacent to, above, or below the construction area?
		a. If so, these departments must be notified.
		b. How are you going to reduce the noise to an acceptable level?
Yes	No	
		Will there be vibration generated that will impact a department adjacent to, above, or below the construction area?
		a. If so, these departments must be notified each time this type of work will be performed.
		b. How are you going to reduce the vibration to an acceptable level?
Yes	No	
		Are Emergency Procedures in place and posted on each job for accidental events that could greatly impact Patient Care or Life Safety to the facility? Included in these procedures are such things as:
		Emergency telephone numbers of key departments.
		A plan that describes where main valves, switches, and controls are for the area in case of an emergency.
		A plan for unexpected outages.
	1	Environment
Yes	No	Are any of the following environmental hazards present?
		Will hazardous chemicals be used on this project? How will fumes and odors be controlled? SDS Sheets are required.
		Is asbestos abatement required on this job? If so, notify Safety and Maintenance at the activation.
		Will there be hot work done on this project? If there are, then a hot work permit must be posted on the job site. All hot work must have a
		fire watch assigned to each area while the hot work is being performed.
		Will there be a Confined Space Entry required on this project? If so, the CAMC confined space entry program must be followed.
		Utility Failures
Yes	No	Will any of the following systems be out of service at any time during the project?
		 Fire alarm (If out for more than 4 hours, Interim Life Safety Measures must be implemented.)
		 Sprinkler (If out for more than 4 hours, Interim Life Safety Measures must be implemented.)
		Electrical
		Electrical Domestic water
		Domestic water

Yes	No	
		Will there be any work that will require activation of the Interim Life Safety Measures during this project? Some things that will
		ILSM's to be implemented are but not limited to:
		Any construction that impacts an EXIT or stairs,
		Any construction that impacts major breaches in a fire or smoke wall,
		Taking the main fire protection system out of service (sprinkler),
		Taking the main fire alarm system out of service,
		Taking the "area" fire or fire alarm systems out of service for more than 4 hours within a 24-hour period.
		Implementation of the ILSM requires a fire watch and the ILSM forms to be completed.
Addit	ional Sa	afety Concerns
Yes	No	
		Will construction affect exit routes from occupied areas adjacent to construction site?
		Will project affect traffic patterns in area? <i>If yes, explain plan.</i>
		The following must be completed prior to any construction activities.
		Separation wall must be constructed prior to project beginning.
		Fire protection systems must remain intact.
		Provide extra fire extinguishers in work areas.
		Maintain exit lights in work area.
		Maintain negative air in construction area (24/7) through duration of project.
		There cannot be any return air from within the construction area to the rest of the building.
		Redirect exiting not to go through construction area.
		 Put signs on doors into construction area "Construction Area – Do Not Enter".
		Maintain daily logs and keep a current Hot Work Permit.
		Place sticky mats at doors exiting construction area.
		All debris removal must be by covered cart.
		Maintain clean and orderly work area.
		 How will this project affect the departments above, below and adjacent to this project?
Air O	uality a	nd Infection Control
All Q	aunty a	
		ion activity types are defined by the amount of dust that is generated, the duration of the activity, and the amount of shared HVAC tact CAMC 's Safety Department and Clinical Epidemiology Department if any activity is questionable under these guidelines.
Yes	No	
		Will dust be generated during this project?
		If yes, explain location of and plan for interim dust barriers or attach floor plan with barriers clearly marked.
		Will debris removal be necessary? If yes, explain plan for debris removal and control.
		Nogative pirflow ventilation and filtration in place and appaced for effectiveness
		Negative airflow ventilation and filtration in place and assessed for effectiveness.
	1	Exhaust fans in place and functioning. Is supply duct to area closed and HEPA filtration unit in place and functioning in adjacent patient care area?
		Will work be done in a sterile area? <i>If so, how are you going to maintain sterile atmosphere in work area and access to and from</i>
		work area?
		1 · · · · · · · · · · · · · · · · · · ·
Туре	Α	Inspections and Non-Invasive Activities or Small scale, Short duration Activities
Yes	No	
. 55		Removal of ceiling tiles for visual inspection (limited to 1 tile per 50 square feet)
		Painting (but not sanding)
		Wall covering—Describe work to be done:
		Trail serving Beechbe work to be done.
		Electrical trim work. Describe:
		Minor plumbing. Describe:
Туре	B	Small scale, short duration activities that create minimal dust.
Yes	No	oman osalo, short daliation dout the orotto minimal adoli
1 62	INO	Installation of talanhana and computer pobling
	1	Installation of telephone and computer cabling
	-	Access to chase spaces Sanding of walls for painting or wall covering (minor repairs—not sanding for drywall finishing)
		r Sanunu vi wans ivi paininu vi wan cuvennu. Hinnu tepans—nucsanunu ivi urvwan ililistiinu)

Type C		Any work that generates a moderate to high level of dust or requires demolition or removal of any fixed building components or assemblies. (May require approval from State Fire Marshal and Health Department prior to beginning project)		
Yes	No			
		Sanding of wallsdrywall finishing		
		Removal of _floor coverings _ceiling tiles _casework _ Describe:		
		Cutting of walls or ceiling. Describe:		
		New wall construction		
		Minor ductwork or electrical work above ceilings		
		Major cabling activities		
		Activity cannot be completed within a single work shift		
		Has approval been obtained from State Fire Marshal and Health Department?		
Type	D	Major demolition and construction projects. (State Fire Marshal and Health Department approval required)		
Yes	No			
		Will require heavy demolition or removal of a complete ceiling system		
		New construction		
		Has approval been obtained from State Fire Marshal and Health Department?		

GROUP I	GROUP 2	GROUP 3	GROUP 4
LOWEST	MEDIUM	HIGH	HIGHEST
1.) Office areas	All Med/Surg units Physical Therapy Sports Medicine Admission/Discharge area Outpatient areas	Emergency Room Radiology/MRI Post-anesthesia Care units Labor and Delivery Newborn Nurseries Pediatrics All other Intensive Care Units Nuclear Medicine PT – tank areas Cafeteria Echocardiography Laboratories Occupational Lung Center	Operating Rooms; Sterile Processing Labor and Delivery Operating Rooms Cardiac & EP Catheterization & Angiography Areas Oncology Dialysis/Home Training Renal Services Unit Renal Transplant Cardiology Anesthesia and Pump areas Endoscopy/Minor Surgery Pharmacy Admixture Surgicare Central Services

Contact the Clinical Epidemiology Department for risk assessment of any area not listed above.

CONSTRUCTION ACTIVITY (from previous page) Check type of activity	INFECTION CONTROL RISK GROUP (see above) Check risk group		
TYPE A: Inspection, non-invasive activity	GROUP 1: Lowest Risk		
TYPE B: Small scale, short duration projects	GROUP 2: Medium Risk		
TYPE C: Activity generates moderate to high levels of dust, requiring >1 work shift for completion	GROUP 3: High Risk		
TYPE D: Major duration and construction activities Requiring consecutive work shifts	GROUP 4: Highest Risk		

CLASSIFICATION OF REQUIRED PREVENTIVE MEASURES

CONSTRUCTION ACTIVITY→	TVDE	TVDE	TVDE	TVDE
INFECTION CONTROL	TYPE "A"	TYPE "B"	TYPE "C"	TYPE "D"
RISK GROUP ↓	А	В	J	D
Group I	I	I	II	III/IV
Group 2	1	I		IV
Group 3	II	III	III/IV	IV
Group 4	III	III/IV	III/IV	IV

An Infection Control—Safety Construction Permit is required for Class III or higher projects. Refer to shaded area on Construction Activity/Risk Group Matrix (above).

CLASS I	1.	Execute work by methods to minimize raising dust from construction operations.	2.	Immediately replace any ceiling tile displaced for visual inspection.
CLASS II	1. 2. 3. 4. 5.	Provide active means to prevent air-borne dust from dispersing into atmosphere Water mist work surfaces to control dust while cutting. Seal unused doors with duct tape. Block off and seal air vents. Wipe surfaces with disinfectant.	6. 7. 8. 9.	Contain construction waste before and during transport in tightly covered containers. Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. Place dust mat at entrance and exit of work area as needed. Remove or isolate HVAC system in areas where work is being performed.

CLASS III	1. 2. 3. 4. 5.	Obtain infection control permit before construction begins. Isolate HVAC system in area where work is being done to prevent contamination of the duct system. Complete all critical barriers before construction begins. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. Contain construction waste before and during transport in tightly covered containers. Seal holes, pipes, conduits, etc. appropriately.	7. 8. Afte 9.	Place dust mat at entrance and exit of work area. Replace as needed. Do not remove barriers from work area until completed project is inspected by Safety and Epidemiology Depts. and thoroughly cleaned. er work is completed: Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. Remove isolation of HVAC system.
Class IV	1. 2. 3. 4. 5. 6.	Obtain infection control permit before construction begins. Isolate HVAC system in area where work is being done to prevent contamination of duct system. Complete all critical barriers or implement control cube method before construction begins. Maintain negative air pressure within work site utilizing HEPA equipped air filtration units. Seal holes, pipes, conduits, and punctures appropriately. Construct anteroom and require all personnel to pass through this room so they can be vacuumed using a HEPA vacuum cleaner before leaving work site or they can wear cloth or paper coveralls that are removed each time they	10.	All personnel entering work site are required to wear shoe covers Contain construction waste before and during transport in tightly covered containers.Cover transport receptacles or carts. Tape covering. Do not remove barriers from work area until completed project is inspected by Safety and Epidemiology Depts. and thoroughly cleaned. Per work is completed: Vacuum work area with HEPA filtered vacuums. Wet mop with disinfectant.
		leave the work site.		Remove barrier materials carefully to minimize spreading of dirt and debris associated with construction. Remove isolation of HVAC system.

Additional concerns for all classes:

- 1. Maintain manpower and equipment including dust mops, wet mops, brooms, buckets, and clean wiping rags for cleaning fine dust from floors and adjacent occupied areas.
- 2. Contain work areas outside of construction barriers, including spaces above ceilings, with full height polyethylene sheet barrier, tightly taped.
- 3. Clean up dust tracked outside of construction area immediately.
- 4. Temporary construction barriers and closures above ceiling must be dust tight.

dditional Requirements or Conce	rns:	-
Permit Request By	Safety Approval	Clinical Epidemiology Approval
ite:	Date:	Date: