

**COMPLIANCE CHECKLIST****IP21 Cancer Treatment - Infusion Therapy**

The following checklist is intended to be used in the plan review applications for health care facilities submitted to the Massachusetts Department of Public Health. This checklist summarizes and references the applicable requirements from the Licensure Regulations and the 2018 Edition of the FGI Guidelines for Design and Construction of Hospitals. Applicants must verify compliance of the plans submitted to the Department with all referenced requirements from the Licensure Regulations and FGI Guidelines when completing this Checklist. A separate Checklist must be completed for each nursing unit, hospital or clinic department, or clinical suite.

Other jurisdictions, regulations and codes may have additional requirements which are not included in this checklist, such as:

- NFPA 101 Life Safety Code (2012) and applicable related standards contained in the appendices of the Code
- State Building Code (780 CMR)
- Accreditation requirements of The Joint Commission
- CDC Guidelines for Preventing the Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797 & Regulations of the Massachusetts Board of Registration in Pharmacy
- Occupational Safety & Health Standards (OSHA)
- Accessibility Guidelines of the Americans with Disabilities Act (ADA)
- Architectural Access Board Regulations (521 CMR)
- Local Authorities having jurisdiction.

**Instructions:**

1. All requirement lines must be completed according to the following instructions and included in the plan submissions for Self-Certification Process or Abbreviated Review Process.
2. This checklist must be completed by the project architect or engineer based on the design actually reflected in the plans at the time of completion of the checklist.
3. Each requirement line (\_\_\_\_) of this Checklist must be completed exclusively with one of the following marks, unless otherwise directed in the checklist. If a functional space is not affected by a renovation project, the mark "E" may be indicated on the requirement line (\_\_\_\_) before the name of the functional space (associated requirements on indented lines below that name, or associated MEP requirements do not have to be completed in this case). If more than one functional space serves a given required function (e.g. patient room or exam room), that clarification should be provided in the Project Narrative, and the requirement lines are understood to only address the functional spaces that are involved in the project.

**X** = Requirement is met, for new space, for renovated space, or for existing direct support space for an expanded service.

☒ = Check box under section titles or individual requirements lines for optional services or functions that are not included in the project area.

**E** = Requirement relative to an existing suite or area that has been *licensed* for its designated function, is *not affected* by the construction project and *does not pertain to a required direct support space* for the specific service affected by the project. "E" must not be used for an existing required support space associated with a new patient care room or area.

**W** = Waiver requested for specific section of the Regulations or FGI Guidelines, where hardship in meeting requirement can be demonstrated (a Physical Plant Waiver Form must be completed for each waiver request). An explicit floor plan or plan detail must be attached to each waiver request.

4. All room functions marked with "X" must be shown on the plans with the same name labels as in this checklist.
5. Mechanical, electrical & plumbing requirements are only partially mentioned in this checklist. The relevant section of the FGI Guidelines must be used for project compliance with all MEP requirements and for waiver references.
6. Oxygen, vacuum, medical air, waste anesthesia gas disposal and instrument air outlets (if required) are identified respectively by the abbreviations "OX", "VAC", "MA", "WAGD" & "IA".
7. Requirements referenced with "FI" result from formal interpretations from the FGI Interpretations Task Group.
8. The location requirements including asterisks (\*) refer to the definitions of the Glossary in the beginning section of the FGI Guidelines and reproduced in this checklist.

Facility Name:

DoN Project Number: (if applicable)

Facility Address:

Satellite Name: (if applicable)

Building/Floor Location:

Satellite Address: (if applicable)

Submission Dates:

Project Description:

Initial Date:

Revision Date:

	<b>Architectural Requirements</b>	<b>Building Systems Requirements</b>
2.2-3.12	<b><u>CANCER TREATMENT/ INFUSION THERAPY</u></b>	
2.2-3.12.2	<b>INFUSION AREA</b>	
2.2-3.12.2.1(3)	<input type="checkbox"/> Infusion area separate from administrative & waiting areas	
2.2-3.12.2.2	Space Requirements:	
	<input type="checkbox"/> patient care bays	
	<input type="checkbox"/> check if <u>not</u> included in project	
(1)(a)	<input type="checkbox"/> min. clear floor area 70 sf per bay	
(2)(a)	<input type="checkbox"/> min. clearance 5'-0" between sides of patient lounge chairs	Ventilation:
	<input type="checkbox"/> min. clearance 3'-0" between sides of patient lounge chairs & adjacent* walls or partitions	<input type="checkbox"/> Min. 6 air changes per hour Table 7.1
	<input type="checkbox"/> min. clearance 2'-0" between foot of patient lounge chairs & cubicle curtain	Nurse Call System:
		<input type="checkbox"/> Patient station Table 2.1-2
		<input type="checkbox"/> Staff assistance station
		<input type="checkbox"/> Emergency call station
	<input type="checkbox"/> patient care cubicles	
	<input type="checkbox"/> check if <u>not</u> included in project	
(1)(b)	<input type="checkbox"/> min. clear floor area 80 sf per cubicle	
(2)(b)	<input type="checkbox"/> min. clearance 3'-0" between sides of patient lounge chairs & adjacent* walls or partitions	Ventilation:
	<input type="checkbox"/> min. clearance 2'-0" between foot of patient lounge chairs & cubicle curtain	<input type="checkbox"/> Min. 6 air changes per hour Table 7.1
		Nurse Call System:
		<input type="checkbox"/> Patient station Table 2.1-2
		<input type="checkbox"/> Staff assistance station
		<input type="checkbox"/> Emergency call station
	<input type="checkbox"/> single-patient rooms	
	<input type="checkbox"/> check if <u>not</u> included in project	
(1)(c)	<input type="checkbox"/> min. clear floor area 100 sf per room	
(2)(c)	<input type="checkbox"/> min. clearance 3'-0" between sides & foot of beds or lounge chairs & adjacent* walls or partitions	Ventilation:
		<input type="checkbox"/> Min. 6 air changes per hour Table 7.1
		Nurse Call System:
		<input type="checkbox"/> Patient station Table 2.1-2
		<input type="checkbox"/> Staff assistance station
		<input type="checkbox"/> Emergency call station
2.2-3.12.2.4	<input type="checkbox"/> Each patient care station has provisions for visual privacy	
2.2-3.12.2.5(1)	Handwashing Stations:	
2.1-2.8.7.1	<input type="checkbox"/> located in each room where hands-on patient care is provided	
2.1-2.8.7.3	<input type="checkbox"/> handwashing station serves multiple patient care stations	
	<input type="checkbox"/> check if <u>not</u> included in project	
(1)	<input type="checkbox"/> at least 1 handwashing station for every 4 patient care stations or fewer & for each major fraction thereof	
(2)	<input type="checkbox"/> handwashing stations evenly distributed	

**Architectural Requirements**

- 2.2-3.12.2.5(2) ☐ Handwashing station located in, next to or directly accessible\* to nurse station
- 2.2-3.12.2.6 ☐ Patient toilet room  
☐ at least one patient toilet room provided in infusion area  
☐ handwashing station
- 2.2-3.12.4.2 **AIRBORNE INFECTION ISOLATION (AII) ROOM**  
☐ check if not included in project
- 2.1-2.4.2.2 ☐ Complies with requirements applicable to infusion rooms
- (1) ☐ Capacity one bed
- (2) ☐ Personal protective equipment (PPE) storage at entrance to room
- (3) ☐ Handwashing station
- (4) ☐ Patient toilet room  
☐ serves only one AII room
- 2.1-2.4.2.3 ☐ Anteroom  
☐ check if not included in project
- (1) ☐ provides space for persons to don personal protective equipment (PPE) before entering patient room
- (2) ☐ all doors to anteroom have self-closing devices  
**or**  
☐ audible alarm activated when AII room is in use as isolation room
- (3)(a) ☐ handwashing station
- (3)(b) ☐ storage for unused PPE
- (3)(c) ☐ disposal/holding container for used PPE
- 2.1-2.4.2.4 Architectural Details & Furnishings:
- (1)(a) ☐ perimeter walls ceiling & floor including penetrations constructed to prevent air exfiltration

**Building Systems Requirements**

- Ventilation:
- ☐ Min. 10 air changes per hour Table 7.1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units
- Ventilation:
- ☐ Min. 12 air changes per hour Table 7.1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units
- ☐ Exhaust register located directly above patient bed on ceiling or on wall near head of bed Part 3/7.2.1
- Ventilation:
- ☐ Min. 10 air changes per hour Table 7.1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units
- Nurse Call System:
- ☐ Patient station Table 2.1-2
- ☐ Staff assistance station
- ☐ Emergency call station

- Ventilation:
- ☐ Min. 10 air changes per hour Table 7.1
- ☐ Exhaust
- ☐ No recirculating room units

**Architectural Requirements****Building Systems Requirements**

- (1)(b) ☐ self-closing devices on all room exit doors
- or**
- ☐ activation of audible alarm when AII room is in use as isolation room
- ☐ edge seals provided along sides & top of doorframe for any door into AII room
- (2) (a) ☐ window treatments do not include fabric drapes & curtains
- 2.1-2.4.2.5 ☐ room pressure visual or audible alarm

2.2-3.12.7 **SPECIAL DESIGN ELEMENTS**

- ☐ No fish tanks installed in cancer treatment/infusion therapy centers

2.2-3.12.8 **SUPPORT AREAS FOR INFUSION CENTER**

- 2.2-3.12.8.2 ☐ Nurse station
- ☐ located in infusion area
- (1) ☐ designed to provide visual observation of all patient care stations
- (2) ☐ located out of direct line of traffic
- 2.1-2.8.2.1(1) ☐ space for counters
- 2.1-2.8.2.1(2) ☐ handwashing station next to or directly accessible\*
- or**
- ☐ hand sanitation dispenser next to or directly accessible\*

- 2.1-2.8.8.2(1) ☐ Medication preparation room
- (a) ☐ under visual control of nursing staff
- (b) ☐ work counter
- ☐ handwashing station
- ☐ lockable refrigerator
- ☐ locked storage for controlled drugs
- ☐ sharps containers
- ☐ ☐ check if not included in project
- (c) ☐ self-contained medication-dispensing unit
- ☐ ☐ check if not included in project
- ☐ room designed with space to prepare medications

## Ventilation:

- ☐ Min. 4 air changes per hour Table 7.1

## Lighting:

- ☐ Task lighting 2.1-2.8.8.1(2)(d)

## Nurse Call System:

- ☐ Duty station (light/sound signal) Table 2.1-2

- 2.2-3.12.8.9 ☐ Nourishment area or room
- 2.1-2.8.9.2(1) ☐ handwashing station
- 2.1-2.8.9.2(2) ☐ work counter
- 2.1-2.8.9.2(3) ☐ refrigerator
- 2.1-2.8.9.2(4) ☐ microwave
- 2.1-2.8.9.2(5) ☐ storage cabinets
- 2.1-2.8.9.2(6) ☐ space for temporary storage of food service implements
- 2.1-2.8.9.3 ☐ provisions for separate temporary storage of unused & soiled meal trays

## Ventilation:

- ☐ Min. 2 air changes per hour Table 7.1

## Nurse Call System:

- ☐ Duty station (light/sound signal) 2.1-8.5.1.2(3)(b)

Architectural Requirements		Building Systems Requirements	
2.2-3.12.8.9(2)	___ provisions for drinking water for patient use provided separate from handwashing station		
2.2-3.12.8.11 2.1-2.8.11.2	___ Clean workroom or clean supply room	Ventilation:	
	___ clean workroom	___ Min. 4 air changes per hour	Table 7.1
(1)	___ used for preparing patient care items	___ Positive pressure	
(2)	___ work counter		
(3)	___ handwashing station	Nurse Call System:	
	___ storage facilities for clean & sterile supplies	___ Duty station (light/sound signal)	Table 2.1-2
	<b>or</b>		
2.1-2.8.11.3	___ clean supply room	Ventilation:	
	___ used only for storage & holding as part of system for distribution of clean & sterile supplies	___ Min. 4 air changes per hour	Table 7.1
		___ Positive pressure	
2.2-3.12.8.12 2.1-2.8.12.2	___ Soiled workroom or soiled holding room	Ventilation:	
	___ soiled workroom	___ Min. 10 air changes per hour	Table 7.1
(1)(a)	___ handwashing station	___ Exhaust	
(1)(b)	___ flushing-rim clinical service sink with bedpan-rinsing device or equivalent flushing-rim fixture	___ Negative pressure	
(1)(c)	___ work counter	___ No recirculating room units	
(1)(d)	___ space for separate covered containers for waste & soiled linen	Nurse Call System:	
(2)	___ fluid management system is used	___ Duty station (light/sound signal)	Table 2.1-2
	<input type="checkbox"/> check if <u>not</u> included in project		
(a)	___ electrical & plumbing connections that meet manufacturer requirements		
(b)	___ space for docking station		
	<b>or</b>		
2.1-2.8.12.3	___ soiled holding room	Ventilation:	
(1)	___ handwashing station or hand sanitation station	___ Min. 10 air changes per hour	Table 7.1
(2)	___ space for separate covered containers for waste & soiled linen	___ Exhaust	
		___ Negative pressure	
		___ No recirculating room units	
		Nurse Call System:	
		___ Duty station (light/sound signal)	Table 2.1-2
2.2-3.12.8.13(1)	___ Clean linen storage		
(1)	___ stored in clean workroom		
	<b>or</b>		
	___ separate closet		
	<b>or</b>		
	___ covered cart distribution system on each floor		
(2)	___ storage of clean linen carts in designated corridor alcoves, clean workroom or closets		

**Architectural Requirements**

- 2.2-3.12.8.13(3) ☐ Gurney/wheelchair storage space
- 2.2-3.12.8.14 ☐ Environmental services room  
☐ provided in infusion therapy unit
- 2.1-2.8.14.1 ☐ readily accessible\* to unit or floor it serves (permitted to serve more than one patient care unit on floor)
- 2.1-2.8.14.2 (1) ☐ service sink or floor-mounted mop sink  
 (2) ☐ provisions for storage of supplies & housekeeping equipment  
 (3) ☐ handwashing station  
**or**  
☐ hand sanitation station

**SUPPORT AREAS FOR STAFF**

- 2.2-3.12.9.1 ☐ Staff lounge facilities (may be shared with other services)  
 (2) ☐ readily accessible\* to cancer treatment/infusion therapy unit
- 2.1-2.9.1 ☐ min.100 sf
- 2.2-3.12.9.2 ☐ Staff toilet room (permitted to be unisex)
- 2.1-2.9.2.1 ☐ readily accessible\* to each patient care unit
- 2.1-2.9.2.2 ☐ toilet & handwashing station

**SUPPORT AREAS FOR PATIENTS**

- 2.2-3.12.10 ☐ Waiting room
- 2.2-3.12.10.1 (1) ☐ toilet room  
☐ handwashing station
- (2) ☐ provisions for drinking water  
 (3) ☐ provisions for telephone access  
 (4) ☐ seating accommodations for waiting periods
- 2.2-3.12.10.3 ☐ Storage for patient belongings  
☐ check if not included in project  
☐ located in infusion area

**Building Systems Requirements****Ventilation:**

- ☐ Min. 10 air changes per hour Table 7.1  
☐ Exhaust  
☐ Negative pressure  
☐ No recirculating room units

**Ventilation:**

- ☐ Min. 10 air changes per hour Table 7.1  
☐ Exhaust  
☐ Negative pressure  
☐ No recirculating room units

**Ventilation:**

- ☐ Min. 10 air changes per hour Table 7.1  
☐ Exhaust  
☐ Negative pressure  
☐ No recirculating room units

**\*LOCATION TERMINOLOGY:**

Directly accessible: Connected to the identified area or room through a doorway, pass-through, or other opening without going through an intervening room or public space

Adjacent: Located next to but not necessarily connected to the identified area or room

Immediately accessible: Available either in or adjacent to the identified area or room

Readily accessible: Available on the same floor or in the same clinic as the identified area or room

**Architectural Details & MEP Requirements****2.1-7.2.2 ARCHITECTURAL DETAILS****2.1-7.2.2.1 CORRIDOR WIDTH:**

NFPA 101, 18.2.3.4 ☐ Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width

**or**

☐ Detailed code review incorporated in Project Narrative

☐ Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width

**or**

☐ Detailed code review incorporated in Project Narrative

**2.1-7.2.2.2 CEILING HEIGHT:**

(1) ☐ Min ceiling height 7'-6" in corridors & in normally unoccupied spaces

(3) ☐ Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds & on stretchers

☐ Min. ceiling height 7'-10" in other areas

**2.1-7.2.2.3 DOORS & DOOR HARDWARE:**

(1) Door Type:

(a) ☐ doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors

(b) ☐ sliding doors

☐ check if not included in project

☐ manual or automatic sliding doors comply with NFPA 101

☐ detailed code review included in Project Narrative

☐ no floor tracks

(2) Door Opening:

(a) ☐ min. 45.5" clear door width for diagnostic/treatment areas

☐ min. 83.5" clear door height for diagnostic/treatment areas

(b) ☐ swinging doors for personnel use in addition to sliding doors

☐ check if not included in project

☐ min. clear width 34.5"

(3) Door Swing:

(a) ☐ doors do not swing into corridors except doors to non-occupiable spaces & doors with emergency breakaway hardware

(4) ☐ Lever hardware or push/pull latch hardware

(5) Doors for Patient Toilet Facilities:

(a) ☐ two separate doors

**or**

☐ door that swings outward

**or**

☐ door equipped with emergency rescue hardware (permits quick access from outside the room to prevent blockage of the door)

**or**

☐ sliding door other than pocket door

(b) ☐ toilet room opens onto public area or corridor

☐ check if not included in project

☐ visual privacy is maintained

**2.1-7.2.2.7 GLAZING MATERIALS:**

☐ Glazing within 1 foot 6 inches of floor

☐ check if not included in project

☐ must be safety glass, wire glass or plastic break-resistant material

**2.1-7.2.2.8 HANDWASHING STATIONS:**

(1)(c) ☐ Handwashing stations in patient care areas located so they are visible & unobstructed

(3) ☐ Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly

(b) ☐ Countertops substrate

☐ check if not included in project

☐ marine-grade plywood (or equivalent material) with impervious seal

(4) ☐ Handwashing station casework

☐ check if not included in project

☐ designed to prevent storage beneath sink

(5) ☐ Provisions for drying hands

☐ check if not included in project (only at hand scrub facilities)

☐ hand-drying device does not require hands to contact dispenser

☐ hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing

(6) ☐ Liquid or foam soap dispensers

**2.1-7.2.2.9 GRAB BARS:**

- (1) ☐ Grab bars anchored to sustain concentrated load 250 pounds
- (3) ☐ Ends of grab bars constructed to prevent snagging clothes of patients staff & visitors

**2.1-7.2.2.10 HANDRAILS:**

- (1) ☐ Handrails installed on both sides of patient use corridors
- (3) ☐ Rail ends return to wall or floor
- (4) ☐ Handrail gripping surfaces & fasteners are with 1/8-inch min. radius
- (5) ☐ Handrails have eased edges & corners
- (6) ☐ Handrail finishes are cleanable

**2.1-7.2.2.12 NOISE CONTROL:**

- (2) ☐ Noise reduction criteria in Table 1.2-6 applicable to partitions, floors & ceiling construction are met in patient areas

**2.1-7.2.3 SURFACES****2.1-7.2.3.1 FLOORING & WALL BASES:**

- (1) ☐ Flooring surfaces cleanable & wear-resistant for location
- (3) ☐ Smooth transitions provided between different flooring materials
- (4) ☐ Flooring surfaces including those on stairways are stable, firm & slip-resistant
- (5) ☐ Floors & wall bases of soiled workrooms, toilet rooms & other areas subject to frequent wet cleaning are constructed of materials that are not physically affected by germicidal or other types of cleaning solutions
- (7)(a) ☐ Floors are monolithic & integral coved wall bases are at least 6" high & tightly sealed to wall in Airborne infection isolation (AII) room & any anteroom

**2.1-7.2.3.2 WALLS & WALL PROTECTION:**

- (1)(a) ☐ Wall finishes are washable
- (1)(b) ☐ Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
- (2) ☐ Wall surfaces in areas routinely subjected to wet spray or splatter are monolithic or have sealed seams that are tight & smooth
- (5) ☐ Wall protection devices & corner guards durable & scrubbable

**2.1-7.2.3.3 CEILINGS:**

- (1) ☐ Ceilings provided in all areas except mechanical, electrical & communications equipment rooms
- (a) ☐ Ceilings cleanable with routine housekeeping equipment
- (b) ☐ Acoustic & lay-in ceilings where used do not create ledges or crevices

**2.1-7.2.4****2.1-7.2.4.1****FURNISHINGS:**

- ☐ built-in furnishings upholstered with impervious materials in patient treatment areas with risks of exposure & contamination from bodily fluids & other fluids
- ☐ Privacy curtains in patient care areas are washable

**2.1-7.2.4.3****2.1-8.2****HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS UTILITIES:****Part 3/6.1****Part 3/6.1.1**

Ventilation Upon Loss of Electrical Power:

- ☐ space ventilation & pressure relationship requirements of Table 7.1 are maintained for AII Rooms in event of loss of normal electrical power
- ☐ check if not included in project

**Part 3/6.1.2****Part 3/6.1.2.1**

Heating & Cooling Sources:

- ☐ heat sources & essential accessories provided in number & arrangement sufficient to accommodate facility needs (reserve capacity) even when any one of heat sources or essential accessories is not operating due to breakdown or routine maintenance

**Part 3/6.1.2.2**

Central cooling systems greater than 400 tons (1407 kW) peak cooling load

- ☐ check if not included in project
- ☐ number & arrangement of cooling sources & essential accessories is sufficient to support facility operation plan upon breakdown or routine maintenance of any one of cooling sources

**Part 3/6.2****Part 3/6.2.1****AIR-HANDLING UNIT (AHU) DESIGN:**

- ☐ AHU casing is designed to prevent water intrusion, resist corrosion & permit access for inspection & maintenance

**Part 3/6.3****Part 3/6.3.1****Part 3/6.3.1.1****OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:**

Outdoor Air Intakes:

- ☐ located min. of 25'-0" from cooling towers & all exhaust & vent discharges
- ☐ outdoor air intakes located such that bottom of air intake is at least 6'-0" above grade
- ☐ air intakes located away from public access



Part 3/6.3.1.3 ☐ intakes on top of buildings  
☐ check if not included in project  
☐ located with bottom of air intake min. of 3'-0" above roof level

Part 3/6.3.1.4 ☐ intake in areaway  
☐ check if not included in project  
☐ bottom of areaway air intake opening is at least 6'-0" above grade  
☐ bottom of air intake opening from areaway into building is at least 3'-0" above bottom of areaway

Part 3/6.3.2 Exhaust Discharges for Infectious Exhaust Air:

☐ check if not included in project  
 Part 3/6.3.2.1 ☐ ductwork within building is under negative pressure for exhaust of contaminated air (i.e. air from AII rooms)

☐ exhaust discharge outlets with contaminated air located such that they reduce potential for recirculation of exhausted air back into building

Part 3/6.3.2.2 ☐ exhaust discharge outlets with contaminated air is arranged to discharge to atmosphere in vertical direction at least 10 feet above adjoining roof level  
☐ exhaust discharge outlets from laboratory work area chemical fume hoods discharge with stack velocity of at least 2500 fpm  
☐ exhaust discharge outlets from AII rooms bronchoscopy & sputum collection exhaust & laboratory work area chemical fume hoods is located not less than 25 feet horizontally from outdoor air intakes, openable windows/doors & areas that are normally accessible to public

Part 3/6.4 FILTRATION:

☐ Two filter banks for inpatient care (see Table 6.4)  
☐ Filter Bank No. 1: MERV 7  
☐ Filter Bank No. 2: MERV 14  
☐ Each filter bank with efficiency of greater than MERV 12 is provided with differential pressure measuring device to indicate when filter needs to be changed

Part 3/6.4.1 ☐ Filter Bank No. 1 is placed upstream of heating & cooling coils

Part 3/6.4.2 ☐ Filter Bank No. 2 is placed downstream of all wet-air cooling coils & supply fan

Part 3/6.5 HEATING & COOLING SYSTEMS:

Part 3/6.5.3 ☐ Radiant heating systems  
☐ check if not included in project  
☐ ceiling or wall panels with exposed cleanable surfaces or radiant floor heating are provided in AII room & procedure room

Part 3/6.7 AIR DISTRIBUTION SYSTEMS:

Part 3/6.7.1 ☐ Maintain pressure relationships required in tables 7.1 in all modes of HVAC system operation  
☐ Spaces that have required pressure relationships are served by fully ducted return systems or fully ducted exhaust systems  
☐ Inpatient facilities & recovery rooms are served by fully ducted return or exhaust systems

Part 3/6.7.2 Air Distribution Devices:

☐ supply air outlets comply with Table 6.7.2

Part 3/6.7.3

Smoke Barriers:

☐ HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers.

Part 3/6.8 ENERGY RECOVERY SYSTEMS:

☐ check if not included in project  
 Part 3/6.8.1 ☐ Located upstream of Filter Bank No. 2  
 Part 3/6.8.2 ☐ AII room exhaust systems or combination AII rooms are not used for energy recovery

Part 3/6.8.3

☐ Energy recovery systems with leakage potential  
☐ check if not included in project  
☐ arranged to minimize potential to transfer exhaust air directly back into supply airstream  
☐ designed to have no more than 5% of total supply airstream consisting of exhaust air  
☐ not used from these exhaust airstream sources: soiled workroom

Part 3/7

SPACE VENTILATION

Part 3/7.1.a ☐ Spaces ventilated according to Table 7.1

Part 3/7.1.a.1 ☐ Air movement is from clean to less-clean areas

Part 3/7.1.a.3	<input type="checkbox"/> Min. number of total air changes required for positive pressure rooms is provided by total supply airflow <input type="checkbox"/> Min. number of total air changes required for negative pressure rooms is provided by total exhaust airflow	2.1-8.3	<b>ELECTRICAL SYSTEMS</b>
Part 3/7.1.a.4	<input type="checkbox"/> Entire minimum outdoor air changes per hour required by Table 7.1 for each space meet filtration requirements of Section 6.4	2.1-8.3.2	<b>ELECTRICAL DISTRIBUTION &amp; TRANSMISSION</b>
Part 3/7.1.a.5	<input type="checkbox"/> Air recirculation through room unit <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> complies with Table 7.1 <input type="checkbox"/> room unit receive filtered & conditioned outdoor air <input type="checkbox"/> serve only a single space <input type="checkbox"/> provides min. MERV 6 filter located upstream of any cold surface so that all of air passing over cold surface is filtered	2.1-8.3.2.2	Panelboards: <input type="checkbox"/> (1) panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below <input type="checkbox"/> (2) panelboard critical branch circuits serve floors on which they are located <input type="checkbox"/> (3) panelboards not located in exit enclosures or exit passageways
Part 3/7.2	<b>ADDITIONAL ROOM-SPECIFIC REQUIREMENTS:</b>	2.1-8.3.2.3	Ground-Fault Circuit Interrupters in Critical Care Areas: <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> each receptacle individually protected by single GFCI device
Part 3/7.2.1	<b>Airborne Infection Isolation (AII) Rooms</b> <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> AII rooms have permanently installed device and/or mechanism to constantly monitor differential air pressure between room & corridor <input type="checkbox"/> Local visual means is provided to indicate whenever negative differential pressure is not maintained <input type="checkbox"/> Air from AII room is exhausted directly to outdoors <input type="checkbox"/> Exhaust air from AII rooms, associated anterooms & toilet rooms is discharged directly to outdoors without mixing with exhaust air from any other non-AII room or exhaust system <input type="checkbox"/> Exhaust air grille or register in patient room is located directly above patient bed on ceiling or on wall near head of bed <input type="checkbox"/> Anteroom <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> AII room is at negative pressure with respect to anteroom <input type="checkbox"/> Anteroom is at negative pressure with respect to corridor	2.1-8.3.3	<b>POWER-GENERATING &amp; -STORING EQUIPMENT</b>
		2.1-8.3.3.1	<input type="checkbox"/> Essential electrical system or emergency electrical power <input type="checkbox"/> (1) essential electrical system complies with NFPA 99 <input type="checkbox"/> (2) emergency electrical power complies with NFPA 99
		2.1-8.3.5	<b>ELECTRICAL EQUIPMENT</b>
		2.1-8.3.5.1	<input type="checkbox"/> Handwashing sinks & scrub sinks that depends on building electrical service for operation are connected to essential electrical system
		2.1-8.3.5.2	<input type="checkbox"/> Electronic health record system servers & centralized storage provided with uninterruptible power supply
		2.1-8.3.6	<b>ELECTRICAL RECEPTACLES</b>
		2.1-8.3.6.1	Receptacles In Corridors: <input type="checkbox"/> (1) duplex-grounded receptacles for general use installed 50'-0" apart or less in all corridors <input type="checkbox"/> duplex-grounded receptacles for general use installed within 25'-0" of corridor ends
		2.1-8.3.6.3	Essential Electrical System Receptacles: <input type="checkbox"/> (1) cover plates for electrical receptacles supplied from essential electrical system are distinctively colored or marked for identification <input type="checkbox"/> (2) same color is used throughout facility

**2.1-8.4 PLUMBING SYSTEMS****2.1-8.4.2 Plumbing & Other Piping Systems:**

2.1-8.4.2.1(3) ☐ no plumbing piping exposed overhead or on walls where possible accumulation of dust or soil may create cleaning problem

**2.1-8.4.2.5 Heated Potable Water Distribution Systems:**

- (2) ☐ heated potable water distribution systems serving patient care areas are under constant recirculation  
☐ non-recirculated fixture branch piping max. length 25'-0"  
 (3)(a) ☐ no installation of dead-end piping (except for empty risers mains & branches for future use)  
 (3)(c) ☐ any existing dead-end piping is removed  
☐ check if not included in project  
 (4)(a) ☐ water-heating system supplies water at temperatures & amounts indicated in Table 2.1-4

**2.1-8.4.2.6 Drainage Systems:**

- (1)(a) ☐ drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets  
☐ check if not included in project  
☐ special provisions to protect space below from leakage & condensation  
 (1)(b) ☐ drip pan for drainage piping above ceiling of sensitive area  
☐ check if not included in project  
☐ accessible  
☐ overflow drain with outlet located in normally occupied area

**2.1-8.4.3 PLUMBING FIXTURES**

2.1-8.4.3.1(1) ☐ Materials used for plumbing fixtures are non-absorptive & acid-resistant

**2.1-8.4.3.2 Handwashing Station Sinks:**

- (1) ☐ sinks in handwashing stations are designed with basins that will reduce risk of splashing to areas where direct patient care is provided  
 (2) ☐ sink basins have nominal size of no less than 144 square inches  
☐ sink basins have min. dimension 9 inches in width or length  
 (3) ☐ sink basins are made of porcelain, stainless steel or solid-surface materials

- (5) ☐ water discharge point min. 10" above bottom of basin  
 (7) ☐ anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied  
 (8) ☐ sinks used by staff, patients, & public have fittings that can be operated without using hands (may be single-lever or wrist blade devices)  
 (a) ☐ blade handles  
☐ check if not included in project  
☐ at least 4 inches in length  
☐ provide clearance required for operation  
 (b) ☐ sensor-regulated water fixtures  
☐ meet user need for temperature & length of time water flows  
☐ designed to function at all times and during loss of normal power

**2.1-8.4.3.5**

- (1) ☐ Clinical Flushing-Rim Sinks:  
☐ trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices)  
 (b) ☐ handles are at least 6 in. long  
 (2) ☐ integral trap wherein upper portion of water trap provides visible seal

**2.1-8.4.4****MEDICAL GAS & VACUUM SYSTEMS**

☐ Station outlets provided as indicated in Table 2.1-3

**2.1-8.5.1****CALL SYSTEMS****2.1-8.5.1.1**

- (1) ☐ Nurse call stations provided as required in Table 2.1-2  
 (2) ☐ Nurse call systems report to attended location with electronically supervised visual & audible annunciation as indicated in Table 2.1-2  
 (4) ☐ Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment"  
 (5) ☐ Wireless nurse call system  
☐ check if not included in project  
☐ complies with UL 1069

**2.1-8.5.1.2(4)**

☐ Nurse call system provided in each patient care area as required in Table 2.1-2

- 2.1-8.5.1.3 Bath Stations:
- \_\_\_ bath station that can be activated by patient lying on floor provided at each patient toilet
  - (1) \_\_\_ alarm in these areas can be turned off only at bath station where it was initiated
  - (3) \_\_\_ toilet bath stations located on the side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor
- 2.1-8.5.1.5 \_\_\_ Emergency call stations are equipped with continuous audible or visual confirmation to person who initiated the code call

- 2.1-8.6.2 **ELECTRONIC SURVEILLANCE SYSTEMS**
- ☐ check if not included in project
- 2.1-8.6.2.2 \_\_\_ monitoring devices are located so they are not readily observable by general public or patients
- 2.1-8.6.2.3 \_\_\_ electronic surveillance systems receive power from essential electrical system