

COMPLIANCE CHECKLIST**IP9 Nursery Unit**

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 2022 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:

Patient Care Unit Bed Complements:

Current = Proposed =

Satellite Name: (if applicable)

Building/Floor Location:

Satellite Address: (if applicable)

Submission Dates:

Initial Date:

Revision Date:

Project Description:

Architectural Requirements**Building Systems Requirements**

2.2-2.11

NURSERY UNIT

2.1-1.2.3

Shared Services:

- ___ No combined functions unless specifically allowed in this checklist

2.2-2.11.1.1

Location:

- ___ all nurseries are located in Obstetrical Unit or immediately accessible* to NICU

2.2-2.11.1.2

Layout:

- (1) ___ nurseries located & arranged to preclude need for unrelated pedestrian traffic
- (2) ___ no nursery opens directly onto another nursery

2.2-2.11.1.3

Safety & Security:

- (1) ___ all nurseries designed to protect physical security of infants, parents & staff & to minimize risk of infant abduction
- (2) ___ all entries to nursery are controlled

2.2-2.11.2

REQUIREMENTS FOR ALL NURSERY TYPES

2.2-2.11.2.2

Space Requirements:

- ___ enough space provided for parents to stay 24 hours

2.2-2.11.2.3

___ **Viewing windows**

- ☐ check if not included in project
- ___ means to provide visual privacy

2.2-2.11.2.4

___ **Handwashing stations**

- ___ at least one handwashing station for each eight or fewer infant stations

2.2-2.11.2.5

___ **Storage for linens & infant supplies provided at each nursery room**

130.624(C)

___ **All newborns in the nursery are in direct view of personnel accountable for them**

2.2-2.11.3

REQUIREMENTS FOR SPECIFIC NURSERY TYPES

2.2-2.11.3.1

___ **Newborn nursery (Level I)**(1)
(a)**Capacity:**

- ___ each newborn nursery room contains no more than 16 infant stations

(b)

- ___ total number of infant care stations determined according to rooming-in program

Ventilation:

- ___ Min. 6 air changes per hour Table 7-1
- ___ No recirculating room units

Power:

- ___ Min. 4 receptacles Table 2.1-1
- ___ convenient to each bassinet

Architectural Requirements

- (2) ☐ min. 3'-0" clearance between bassinets
☐ min. 3'-0" clearance between each bassinet and any adjacent wall
- 2.2-2.11.8.5(2) ☐ workroom or work area
☐ each nursery room served by connecting workroom or work area
- 2.2-2.11.8.5(1) (a) ☐ handwashing station & gowning facilities at entrance for staff & families
 (b) ☐ work counter
 (c) ☐ refrigerator
 (d) ☐ storage for supplies
- (3) ☐ space required for work area located in nursery is in addition to area required for infant care
- (4) ☐ provision be made for storage of emergency cart & equipment out of traffic
- (5) ☐ provision be made for sanitary storage & disposal of soiled waste
- (6) ☐ visual control be provided via view panels between staff work area & each nursery

2.2-2.11.3.2 ☐ Continuing care nursery (Level IB)
☐ check if not included in project

- (1)(b) Location:
☐ location separate from NICU
or
☐ continuing care infant care stations located in defined area of NICU

- (2) Space Requirements:
- (a) ☐ min. clear floor area 120 sf per infant care station
- (b) ☐ min. clearance 8'-0" between adjacent* bassinets/infant beds
☐ min. clearance 4'-0" between bassinets/infant beds & walls or other fixed obstructions
☐ min. clearance 1'-0" at the head of each bassinet/infant bed
☐ min. clearance 4'-0" between foot of bassinets/infant beds and cubicle curtains

Building Systems Requirements

Nurse Call System:
☐ Staff assistance station Table 2.1-2
☐ Emergency call station
 Medical Gases:
☐ 1 OX, 1 VAC, 1 MA per bassinet Table 2.1-3

Ventilation:
☐ Min. 6 air changes per hour Table 7-1
☐ No recirculating room units
 Power:
☐ Min. 5 receptacles Table 2.1-1
☐ convenient to head of each bed, crib, or bassinet
☐ At least 50% receptacles on emergency power
 Nurse Call System:
☐ Staff assistance station Table 2.1-2
☐ Emergency call station
 Medical Gases:
☐ 1 OX, 1 VAC, 1 MA per bassinet Table 2.1-3

Architectural Requirements**Building Systems Requirements**

- 2.2-2.11.8.5(2) ☐ workroom or work area
☐ each nursery room served by connecting workroom or work area
- 2.2-2.11.8.5(1)
 (a) ☐ handwashing station & gowning facilities at entrance for staff & families
 (b) ☐ work counter
 (c) ☐ refrigerator
 (d) ☐ storage for supplies
- (3) ☐ space required for work area located in nursery is in addition to area required for infant care
 (4) ☐ provision be made for storage of emergency cart & equipment out of traffic
 (5) ☐ provision be made for sanitary storage & disposal of soiled waste
 (6) ☐ visual control be provided via view panels between staff work area & each nursery

- 2.2-2.11.3.2 ☐ Special care nursery (Level II)
☐ check if not included in project

- (1)(b) Location:
☐ location separate from NICU
or
☐ special care infant care stations located in defined area of NICU

- (2) Space Requirements:
 (a) ☐ min. clear floor area 120 sf per infant care station
 (b) ☐ min. clearance 8'-0" between adjacent* bassinets/infant beds
☐ min. clearance 4'-0" between bassinets/infant beds & walls or other fixed objects
☐ min. clearance 4'-0" between foot of bassinets/infant beds and cubicle curtains

Ventilation:	
<input type="checkbox"/> Min. 6 air changes per hour	Table 7-1
<input type="checkbox"/> No recirculating room units	
Power:	
<input type="checkbox"/> Min. 5 receptacles	Table 2.1-1
<input type="checkbox"/> convenient to head of each bed, crib, or bassinet	
<input type="checkbox"/> At least 50% receptacles on emergency power	
Nurse Call System:	
<input type="checkbox"/> Staff assistance station	Table 2.1-2
<input type="checkbox"/> Emergency call station	
Medical Gases:	
<input type="checkbox"/> 1 OX, 1 VAC, 1 MA per bassinet	Table 2.1-3

- 2.2-2.11.8.5(2) ☐ workroom
 130.624(D) ☐ special care nurseries are arranged so that entrance is gained solely through anteroom/workroom
☐ well-lighted

- 2.2-2.11.8.5(1)
 (a) ☐ handwashing station & gowning facilities at entrance for staff & families

Architectural Requirements**Building Systems Requirements**

- (b) ☐ work counter
- (c) ☐ refrigerator
- (d) ☐ storage for supplies
- (3) ☐ provision be made for storage of emergency cart & equipment out of traffic
- (4) ☐ provision be made for sanitary storage & disposal of soiled waste
- (5) ☐ visual control provided via view panels between workroom and each nursery

2.2-2.11.4

SPECIAL PATIENT CARE ROOMS

2.2-2.11.4.2

- ☐ Airborne infection isolation (AII) room immediately accessible to at least one level of nursery care

- (1) ☐ room enclosed & separated from nursery unit
- ☐ provisions for observation of infant from adjacent* nurseries or control area

(2)

2.1-2.4.2.2

- ☐ complies with requirements applicable to patient rooms

- (1) ☐ capacity one bed

- (2) ☐ personal protective equipment (PPE) storage at entrance to room

- (3) ☐ handwashing station

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

- (1)(b) ☐ self-closing devices on all room exit doors

or

- ☐ activation of audible alarm when AII room is in use as isolation room

Ventilation:

- ☐ Min. 10 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ No recirculating room units

Architectural Requirements**Building Systems Requirements**

- _____ edge seals provided along sides & top of doorframe for any door into AII room
- (2) (a) _____ window treatments do not include fabric drapes & curtains
- 2.1-7.2.3.1(7)(a) _____ floors are monolithic & integral coved
- _____ wall bases are at least 6" high & tightly sealed to wall
- 2.1-2.4.2.5 _____ room pressure visual or audible alarm

SUPPORT AREAS FOR NURSERIES

- 2.2-2.11.8 _____ Documentation area
- 2.2-2.11.8.3 _____ work surface to support documentation process
- 2.1-2.8.3.1 _____
- 2.2-2.11.8.8 _____ Medication safety zone
- 2.1-2.8.8.1(2) Design Promoting Safe Medication Use:
- (a) _____ medication safety zones located out of circulation paths
- (b) _____ work space designed for staff to access information & perform required tasks
- (c) _____ work counters provide space to perform required tasks
- (e) _____ sharps containers placed at height that allows users to see top of container
- (f) _____ max. 45 dBA noise level caused by building systems
- 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
- or**
- 2.1-2.8.8.2(2) _____ automated medication-dispensing unit
- (a) _____ located at nurse station, in clean workroom or in alcove
- (c) _____ handwashing station or hand sanitation dispenser located next to stationary medication-dispensing units or stations

Lighting:

- _____ Task-specific lighting level min. 100 foot-candles 2.1-2.8.8.1(2)(d)

Ventilation:

- _____ Min. 4 air changes per hour Table 7-1

Lighting:

- _____ Task lighting 2.1-2.8.8.1(2)(d)

Lighting:

- _____ Task lighting 2.1-2.8.8.1(2)(d)

Architectural Requirements**Building Systems Requirements**

- 2.2-2.11.8.12(1) Soiled workroom or soiled holding room
 2.1-2.8.12.2
 (1)(a) ☐ soiled workroom
 ☐ handwashing station
 (1)(b) ☐ flushing-rim clinical service sink
 ☐ check if not included in project
 (if only disposable diapers are used)
 (1)(c) ☐ work counter
 (1)(d) ☐ space for separate covered
 containers for waste & soiled linen
 (2) ☐ fluid management system is used
 ☐ check if not included in project
 (a) ☐ electrical & plumbing
 connections that meet
 manufacturer requirements
 (b) ☐ space for docking station
- or**
- 2.1-2.8.12.3 ☐ soiled holding room
 (1) ☐ handwashing station or hand
 sanitation station
 (2) ☐ space for separate covered
 containers for waste & soiled linen

- 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

- 2.2-2.11.8.14 ☐ Environmental services room
 (1) ☐ provided in nursery
or
 (2) ☐ ES room is shared with obstetrical unit
- 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

- Ventilation:
☐ Min. 10 air changes per hour Table 7-1
☐ Exhaust
☐ Negative pressure
☐ No recirculating room units

- 2.2-2.11.8.15 ☐ Infant examination area
 (1) ☐ work counter
 (2) ☐ storage facilities
 (3) ☐ handwashing station
- 130.624(E)(3) ☐ appropriate facilities and necessary
 equipment for circumcision
 ☐ readily available to the nursery

- 2.2-2.11.8.16 ☐ Lactation support space
 ☐ immediately accessible* to nursery
or
 ☐ immediately accessible* to obstetrical
 unit served by nursery

- 2.2-2.8.8.16
 (1) ☐ handwashing station
 ☐ counter

***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, 18.2.3.3 ☐ 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

2.1-7.2.2.2 CEILING HEIGHT:

- (1) ☐ Min. ceiling height 7'-6" in corridors & in normally unoccupied spaces
- (2) ☐ Min. ceiling height 9'-0" in seclusion rooms & secure holding rooms
- (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 incorporated in Project Narrative
 - ☐ no floor tracks
- (2) **Door Opening to Patient Rooms:**
- (a) ☐ min 45.5" clear door width
- ☐ min 83.5" clear door height
- (b) ☐ swinging doors for personnel use in addition to sliding doors
 - ☐ check if not included in project
 - ☐ min clear width 34.5"

(3)

(a)

Door Swing:

☐ doors do not swing into corridors except doors in behavioral health units & doors to non-occupiable spaces (e.g. environmental services rooms & electrical closets)

(4)

☐ Lever hardware or push/pull latch hardware

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)(a)

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

(3)(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)

(a)

☐ Provisions for drying hands

- ☐ 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
- ☐ liquid or foam soap dispensers
- ☐ no mirror at handwashing stations in nurseries

(6)

(7)

2.1-7.2.2.12 (1)	NOISE CONTROL: <input type="checkbox"/> Recreation rooms exercise rooms equipment rooms & similar spaces where impact noises may be generated are not located directly over patient bed areas or <input type="checkbox"/> Special provisions are made to minimize impact noise <input type="checkbox"/> Noise reduction criteria in Table 1.2-6 applicable to partitions floors & ceiling construction are met in patient areas	(5) <input type="checkbox"/> Wall protection devices & corner guards durable & scrubbable
2.1-7.2.2.14 (1) (2)	DECORATIVE WATER FEATURES: <input type="checkbox"/> No indoor unsealed water features <input type="checkbox"/> Covered fish tanks <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> restricted to public areas	2.1-7.2.3.3 CEILINGS: (1) <input type="checkbox"/> Ceilings provided in all areas except mechanical, electrical & communications equipment rooms (a) <input type="checkbox"/> Ceilings cleanable with routine housekeeping equipment (b) <input type="checkbox"/> Acoustic & lay-in ceilings where used do not create ledges or crevices 2.1-7.2.4.1 Built-In Furnishings: <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> upholstered with impervious materials in patient treatment areas 2.1-7.2.4.3 <input type="checkbox"/> Privacy curtains in patient rooms & other patient care areas are washable <input type="checkbox"/> check if <u>not</u> included in project
2.1-7.2.3 2.1-7.2.3.1	SURFACES FLOORING & WALL BASES:	2.1-8.2 HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS UTILITIES:
(1) (3) (4) (5) (7)(a)	<input type="checkbox"/> Flooring surfaces cleanable & wear-resistant for location <input type="checkbox"/> Smooth transitions provided between different flooring materials <input type="checkbox"/> Flooring surfaces including those on stairways are stable firm & slip-resistant <input type="checkbox"/> 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 cleaning solutions <input type="checkbox"/> Floors are monolithic & integral coved wall bases are at least 6" high & tightly sealed to wall in rooms listed below: <input type="checkbox"/> airborne infection isolation (AII) room <input type="checkbox"/> protective environment (PE) room <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> combination AII/PE room <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> anteroom to AII & PE rooms <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> soiled workroom & soiled holding room	Part 3/6.1 Part 3/6.1.1 Ventilation Upon Loss of Electrical Power: <input type="checkbox"/> space ventilation & pressure relationship requirements of Tables 7.1 are maintained for AII Rooms & PE Rooms in event of loss of normal electrical power
2.1-7.2.3.2 (1)(a) (1)(b) (2)	WALLS & WALL PROTECTION: <input type="checkbox"/> Wall finishes are washable <input type="checkbox"/> Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant <input type="checkbox"/> Wall surfaces in areas routinely subjected to wet spray or splatter (e.g environmental services rooms) are monolithic or have sealed seams that are tight & smooth	Part 3/6.1.2 Part 3/6.1.2.1 Heating & Cooling Sources: <input type="checkbox"/> heat sources & essential accessories are provided in number & arrangement sufficient to accommodate facility needs (reserve capacity) even when any one of heat sources is not operating <input type="checkbox"/> capacity of remaining source or sources is sufficient to provide for domestic hot water & to provide heating for intensive care nursery & inpatient rooms Part 3/6.1.2.2 Central cooling systems greater than 400 tons (1407 kW) peak cooling load <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> number & arrangement of cooling sources & essential accessories is sufficient to support owner's facility operation plan upon breakdown or routine maintenance of any one of cooling sources

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

Part 3/6.2.1 ☐ AHU casing is designed to prevent water intrusion resist corrosion & permit access

Part 3/6.3 OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:

Part 3/6.3.1 Outdoor Air Intakes:

- Part 3/6.3.1.1 ☐ located such that shortest distance from intake to any specific potential outdoor contaminant source be equal to or greater than separation distance listed in Table 6-1
- ☐ located min of 25 ft from cooling towers & all exhaust & vent discharges
- ☐ air intakes located away from public access
- ☐ all intakes designed to prevent entrainment of wind-driven rain
- ☐ contain features for draining away precipitation
- ☐ equipped with birdscreen of mesh no smaller than 0.5 inches
- 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:

- 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'-0" above adjoining roof level
- ☐ exhaust discharge outlets from AII rooms is located not less than 25'-0" horizontally from outdoor air intakes, openable windows/doors & areas that are normally accessible to public

Part 3/6.4 FILTRATION:

- a. ☐ Particulate matter filters, min. MERV-8 provided upstream of first heat exchanger surface of any air-conditioning system that combines return air from multiple rooms or introduces outdoor air
- b. ☐ Outdoor air filtered in accordance with Table 7-1
- c. ☐ Air supplied from equipment serving multiple or different spaces is filtered in accordance with Table 7-1
- d. ☐ Air recirculated within room is filtered in accordance with Table 7-1 or Section 7.1(a)(5)
- h. ☐ For spaces that do not permit air recirculated by means of room units & have minimum filter efficiency of MERV-14, MERV-16 or HEPA in accordance with Table 7-1, the min. filter requirement listed in Table 7-1 is installed 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 PE room & burn unit

Part 3/6.7 AIR DISTRIBUTION SYSTEMS:

- Part 3/6.7.1 ☐ pressure relationships required in tables 7.1 maintained 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 are served by fully ducted return or exhaust systems
- Part 3/6.7.2 Air Distribution Devices:
- ☐ supply air outlets comply with Table 6-2

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 filters required by Part 3/6.8.4
- Part 3/6.8.2 ☐ AII room exhaust systems or combination AII/PE rooms are not used for energy recovery

Part 3/7 SPACE VENTILATION - HOSPITAL SPACES:

- 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 ☐ Min number of total air changes required for positive pressure rooms is provided by total supply airflow
☐ Min number of total air changes required for negative pressure rooms is provided by total exhaust airflow
- Part 3/7.1.a.5 ☐ Air recirculation through room unit
☐ check if not included in project
☐ complies with Table 7-1
☐ room unit receive filtered & conditioned outdoor air
☐ serve only single space
☐ provides min MERV 8 filter located upstream of any cold surface so that all of air passing over cold surface is filtered

Part 3/7.2 ADDITIONAL ROOM-SPECIFIC REQUIREMENTS:

- Part 3/7.2.1 Airborne Infection Isolation (AII) Rooms
☐ check if not included in project
☐ AII rooms have permanently installed device and/or mechanism to constantly monitor differential air pressure between room & corridor
☐ Local visual means is provided to indicate whenever negative differential pressure is not maintained
☐ Air from AII room is exhausted directly to outdoors

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

or

- ☐ is discharged into the general exhaust stream, provided the All exhaust air first passes through a HEPA filter (all exhaust ductwork kept under negative pressure)

- Part 3/7.2.1 ☐ Exhaust air grille or register in patient room is located directly above patient bed on ceiling or on wall near head of bed

- ☐ Anteroom
☐ check if not included in project
☐ AII room is at negative pressure with respect to anteroom
☐ Anteroom is at negative pressure with respect to corridor

Part 3/7.2.2 Protective Environment (PE) Rooms

- ☐ check if not included in project
- Part 3/7.2.2 ☐ Supply air diffusers are located above patient bed
☐ Exhaust grilles or registers are located near patient room door
☐ PE rooms have permanently installed device to constantly monitor differential air pressure between room & corridor
☐ Visual means is provided to indicate whenever positive differential pressure is not maintained

Part 3/7.2.3 Combination Airborne Infectious Isolation/ Protective Environment Room (AII/PE)

- ☐ check if not included in project
☐ Supply air diffusers are located above patient bed
☐ Exhaust grilles or registers are located near patient room door.
☐ Anteroom
☐ check if not included in project
☐ anteroom is at positive pressure with respect to both AII/PE room & corridor or common space
or
☐ anteroom is at negative pressure with respect to both AII/PE room & corridor or common space

- ☐ First device monitors pressure differential between AII/PE room & anteroom

- ☐ Second device monitors pressure differential between anteroom & corridor or common space
☐ Local visual means are provided to indicate whenever differential pressures are not maintained

2.1-8.3

2.1-8.3.2.2
(1)**ELECTRICAL SYSTEMS**

Panelboards:

- ☐ panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below
- (2) ☐ panelboard critical branch circuits serve floors on which they are located
- (3) ☐ panelboards not located in exit enclosures or exit passageways

2.1-8.3.3 **POWER-GENERATING & -STORING EQUIPMENT**

- 2.1-8.3.3.1 ☐ Essential electrical system or emergency electrical power
- (1) ☐ essential electrical system complies with NFPA 99
- (2) ☐ emergency electrical power complies with NFPA 99

2.1-8.3.4 **LIGHTING:**

- 2.1-8.3.4.1(1) ☐ Luminaires in patient areas shall have smooth, cleanable, impact-resistant lenses concealing light source
- 2.1-8.3.4.1(2) ☐ Luminaires dissipate heat such that touchable surfaces will not burn occupants or ignite materials.

2.1-8.3.4.2

- (1) Patient rooms:
- (a) ☐ provide general level of illumination
- ☐ provide exam level of illumination (may be dimmable & limited to patient care station)
- (b) ☐ no incandescent & halogen light sources
- (d) ☐ light sources are either encapsulated or covered by diffuser or lens or use fixtures designed to contain fragments
- (e) ☐ light sources are either encapsulated or covered by diffuser or lens or use fixtures designed to contain fragments

- (f) Night-lighting:
- ☐ at least one night-light fixture located in each patient room
- ☐ night-lights used by staff that illuminate path from entry to bedside are switched at room entrance
- ☐ night-light color temperature 2,700K or warmer

- (2)(a) ☐ Corridors in patient care units have general illumination with provisions for reducing light levels at night

- (3) Exam/treatment rooms:
- ☐ portable or fixed exam light

- (6) Food & nutrition areas:
- ☐ light sources in kitchen & serving areas are either encapsulated or covered by diffuser or lens or use fixtures designed to contain fragments

- (7) ☐ Uplight fixtures installed in patient care areas are covered

2.1-8.3.5 **ELECTRICAL EQUIPMENT:**

- 2.1-8.3.5.1 ☐ Handwashing sinks that depend on building electrical service for operation are connected to essential electrical system

2.1-8.3.6 **ELECTRICAL RECEPTACLES:**

- Receptacles In Corridors:
- (1) ☐ duplex-grounded receptacles for general use installed 50'-0" apart or less in all corridors
- ☐ duplex-grounded receptacles for general use installed within 25'-0" of corridor ends

2.1-8.3.6.3 **Essential Electrical System Receptacles:**

- (1) ☐ cover plates for electrical receptacles supplied from essential electrical system are distinctively colored or marked for identification
- (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 to provide continuous hot water at each hot water outlet
- ☐ non-recirculated fixture branch piping does not exceed 10 feet in length
- (3)(a) ☐ no installation of dead-end piping (installation of empty risers mains & branches for future use is permitted)
- (3)(c) Renovations:
- ☐ check if not included in project
- ☐ dead-end piping is removed

2.1-8.4.2.6

- (1)(a) ☐ Drainage Systems:
- ☐ drainage piping above ceiling of or exposed in rooms listed below piping have special provisions to protect space below from leakage & condensation
- operating rooms
 - delivery rooms
 - procedure rooms
 - trauma rooms
 - nurseries

	<ul style="list-style-type: none"> • central kitchens • one-room sterile processing facilities • clean workroom of two-room sterile processing facilities • pharmacies • Class 2 & 3 imaging rooms • electronic mainframe rooms (EFs & TERs) • main switchgear • electrical rooms • electronic data processing areas • electric closets 		
(1)(b)	<p>_____ drip pan for drainage piping above ceiling of sensitive area</p> <p><input type="checkbox"/> check if <u>not</u> included in project</p> <p>_____ accessible</p> <p>_____ overflow drain with outlet located in normally occupied area that is not open to restricted area</p>		
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)	_____ designed with basins & faucets that reduce risk of splashing to areas where direct patient care is provided, sterile procedures are performed, medications are prepared or food is prepared		
(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 of faucets is at least 10 inches 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 medical/nursing staff, patients & public have fittings that can be operated without using hands (may be single-lever or wrist blade devices)		
(a)	<p>_____ blade handles</p> <p><input type="checkbox"/> check if <u>not</u> included in project</p> <p>_____ at least 4 inches in length</p> <p>_____ provide clearance required for operation</p>		
		(b)	<p>_____ sensor-regulated water fixtures</p> <p><input type="checkbox"/> check if <u>not</u> included in project</p> <p>_____ meet user need for temperature & length of time water flows</p> <p>_____ designed to function at all times & during loss of normal power</p>
		2.1-8.4.3.4	Ice-Making Equipment:
			_____ copper tubing provided for supply connections to ice-making equipment
		2.1-8.4.3.5	Clinical Sinks:
		(1)	<input type="checkbox"/> check if <u>not</u> included in project
		(a)	_____ 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
		2.1-8.4.3.7	Human waste disposal systems:
		(2)	_____ bedpan washer-disinfectant system
		(a)	_____ located in soiled workroom
		(b)	_____ electrical & plumbing connections that meet manufacturer requirements are provided
			or
		(3)	_____ disposable bedpan macerator system
		(a)	_____ installed in soiled workroom
		(b)	_____ electrical & plumbing connections per manufacturer requirements are provided
		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
		2.1-8.5.1.1(2)	_____ Nurse call systems report to attended location with electronically supervised visual & audible annunciation as indicated in Table 2.1-2
		2.1-8.5.1.1(4)	_____ Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment"
		2.1-8.5.1.1(5)	_____ Wireless nurse call system
			<input type="checkbox"/> check if <u>not</u> 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
- 2.1-8.5.1.5 ____ 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
- 2.1-8.6.2.1 ____ Display screens in patient areas are mounted in tamper-resistant enclosure that is unobtrusive
- 2.1-8.6.2.2 ____ Display screens 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