

COMPLIANCE CHECKLIST**IP1 Medical Surgical Patient Care 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****2.2-2.2 MEDICAL/SURGICAL PATIENT CARE UNIT**

- 2.1-1.2.3 Shared Services:
 ___ No combined functions unless specifically allowed in this checklist

2.2-2.2.2 PATIENT ROOM

- 2.2-2.2.2.1 Capacity:
 (1) ___ maximum number of beds per room is one bed
 (2) **or**
 ___ renovation work is undertaken
 ___ present capacity is more than one patient in each room
 ___ proposed room capacity is no more than present capacity
 ___ maximum 2 patients in each room

- 2.2-2.2.2.2 Space Requirements:
 (1)(a) ___ single-patient rooms
 ☐ check if not included in project
 ___ min. clear floor area 120 sf
 2.2-2.2.2.2 (2)(a) ___ min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 ___ min. clearance 3'-0" between foot of bed & any wall or any other fixed obstruction
 (1)(b) ___ multiple-patient rooms
 ☐ check if not included in project
 ___ min. clear floor area 100 sf per bed
 (2)(a) ___ min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 (2)(b) ___ min. clearance 4'-0" at foot of each bed to permit passage of equipment & beds

- 2.2-2.2.2.3 Windows in Patient Rooms:
 2.1-7.2.2.5(1) ___ each patient room provided with natural light by means of window to outside
 2.1-7.2.2.5(2) ___ operable windows in patient rooms
 ☐ check if not included in project
 ___ window operation is limited with either stop limit/restrictor hardware or open guard/screen
 ___ prevents passage of 4-inch diameter sphere through opening
 ___ insect screens

2.1-7.2.2.6
 2.1-7.2.2.5(3)

MDPH/DHCFLC

- Ventilation:
 ___ Min. 4 air changes per hour Table 7-1
 Lighting: 2.1-8.3.4.3(1)
 ___ General lighting
 ___ Reading light for each patient (a)
 bed
 ___ controls accessible to patients in bed
 ___ Night-light located in each (b)
 patient room
 ___ no central control of night-lights outside room
 ___ night-light illuminates path from room entrance to bedside
 ___ night-light illuminates path between bed & toilet room

- Power: Table 2.1-1
 ___ Min. 12 receptacles in total
 ___ Min. 2 receptacles at each side of the head of the bed
 ___ Min. 2 receptacles on all other walls (not including any TV receptacle)

- Nurse Call System:
 ___ Patient station Table 2.1-2
 ___ Staff assistance station
 ___ Emergency call station

- Medical Gases:
 ___ 1 OX, 1 VAC per bed Table 2.1-3

Architectural Requirements**Building Systems Requirements**

- (a) _____ min. net glazed area be no less than 8% of required min. clear floor area
- (b) _____ max. 36" windowsill height above finished floor
- 2.2-2.2.2.4 Patient Privacy:
2.1-2.1.2 _____ provisions are made to address patient visual & speech privacy
- 2.1-2.2.5 Handwashing Station in Patient Room:
2.1-2.2.5.1 _____ provided in patient room in addition to that in toilet room
- (1) _____ adjacent* to entrance to patient room for use by health care personnel & others
- Multiple-Patient Rooms:
☐ check if not included in project
- (2) _____ handwashing station located outside patients cubicle curtains
- 2.1-2.2.6 Patient toilet room
2.1-2.2.6.2 _____ in patient care units patient toilet room serve no more than one patient room
- 2.1-2.2.6.3
(1) _____ toilet
(2) _____ handwashing station
(3) _____ bedpan washer
- 2.2-2.2.2.7 Patient Bathing Facilities:
2.1-2.2.7.1(1) _____ located in toilet room directly accessible from each patient room
- or**
- 2.1-2.2.7.1(2) _____ located in central bathing facility
- 2.1-2.2.7.2 Central Bathing Facilities:
☐ check if not included in project
- (1) _____ each bathtub or shower in individual room or enclosure that provides privacy for bathing drying & dressing
- (2) _____ at least one shower or bathtub provided for each patient care unit
- (3)(a) _____ toilet in or directly accessible to each central bathing facility
- _____ in separate enclosure
- or**
- _____ located in private bathing room

- Ventilation:
_____ Min. 10 air changes per hour Table 7-1
_____ Exhaust
_____ Negative pressure
_____ No recirculating room units
- Nurse Call System:
_____ Bath station Table 2.1-2
- Ventilation:
_____ Min. 10 air changes per hour Table 7-1
_____ Exhaust
_____ Negative pressure
_____ No recirculating room units
- Nurse Call System:
_____ Bath station Table 2.1-2

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

Architectural Requirements**Building Systems Requirements**

- (3)(b) ☐ handwashing sink in or directly accessible to each central bathing facility
- (3)(c) ☐ storage for soap & towels in or directly accessible to each central bathing facility
- 2.1-2.2.7.3 Mobile Lifts, Shower Gurney Devices & Wheelchair Access:
- (1) ☐ doorways designed to allow entry of portable/mobile mechanical lifts & shower gurney devices
- (2) ☐ thresholds designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment
- (3) ☐ patient shower rooms designed to allow entry of portable/mobile mechanical lifts & shower gurney devices
- (4) ☐ floor drain grates designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment

Nurse Call System:
☐ Bath station

Table 2.1-2

- 2.2-2.2.2.8 Patient Storage:
☐ separate wardrobe, locker, or closet suitable for garments & for storing personal effects

2.2-2.2.3 **PATIENT/FAMILY-CENTERED CARE**

- (1) ☐ Space provided in patient room to support visitation by family members & others
- (a) ☐ space for movable seating with min. of one seat for family member or visitor & one seat for patient
- (b) ☐ space for at least one chair for long-term sitting
- (2) ☐ Family members or visitors are permitted to sleep in patient room overnight
☐ check if not included in project
☐ space provided for sleeping accommodation
- (3) ☐ Public communication services provided in each patient room

2.2-2.2.4 **SPECIAL PATIENT CARE ROOMS**

- 2.2-2.2.4.2 ☐ Airborne infection isolation (AII) room
- (2) ☐ at least one AII room in hospital
- 2.1-2.4.2.1(3) Location:
☐ AII rooms located in individual patient care units
or
☐ AII rooms grouped as separate isolation patient care unit

Architectural Requirements**Building Systems Requirements**

- 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
- _____ provisions for PPE disposal at entrance to room
- (3) _____ handwashing station
- (4) _____ patient toilet room
- _____ serves only one AII room
- (5) _____ bathtub or shower
- 2.1-2.2.6.3
- (1) _____ toilet
- (2) _____ handwashing station
- (3) _____ bedpan washer
- 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
- _____ provides space for persons to doff PPE after leaving 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
- _____ edge seals provided along sides & top of doorframe for any door into AII room
- 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
- Ventilation:
- _____ Min. 10 air changes per hour Table 7-1
- _____ Exhaust
- _____ No recirculating room units

Architectural Requirements**Building Systems Requirements**

- (2) (a) _____ window treatments do not include fabric drapes & curtains
- 2.1-2.4.2.5 _____ room pressure visual or audible alarm
- 2.1-7.2.3.1 (7)(a) _____ floors are monolithic & integral
_____ coved wall bases are at least 6" high & tightly sealed to wall
- 2.2-2.2.4.4 _____ Protective environment (PE) room
_____ ☐ check if not included in project
- 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
- (4) _____ patient toilet room
_____ serves only one AII room
- (5) _____ bathtub or shower
- 2.1-2.2.6.3 (1) _____ toilet
- (2) _____ handwashing station
- (3) _____ bedpan washer
- 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 PE 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 (1)(a) _____ Architectural Details & Furnishings:
_____ 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 PE room is in use as isolation room

Ventilation:

- _____ Min. 12 air changes per hour Table 7-1
- _____ Positive pressure
- _____ No recirculating room units
- _____ Supply air diffusers are located above patient bed Part 3/7.2.2
- _____ Exhaust grilles or registers located near patient room door

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
- _____ No recirculating room units

Architectural Requirements**Building Systems Requirements**

- _____ edge seals provided along sides & top of doorframe for any door into PE room
- (2) (a) _____ window treatments do not include fabric drapes & curtains
- 2.1-2.4.2.5 _____ room pressure visual or audible alarm

- 2.2-2.2.4.4(5) Special Design Elements:
- (a) _____ monolithic ceiling
- _____ surfaces are cleanable
- (b) _____ lighting fixtures have lenses & are sealed
- 2.1-7.2.3.1 _____ floors are monolithic & integral
- (7)(a) _____ coved wall bases are at least 6" high & tightly sealed to wall

- 2.2-2.2.4.5 _____ Combination airborne infection isolation/ protective environment (AII/PE) room
- check if not included in project (only if PE room is not provided)

- 2.2-2.2.4.5(1) _____ at least one combination AII/PE room
- 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

Ventilation:

- _____ Min. 12 air changes per hour Table 7-1
- _____ Exhaust
- _____ Positive 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

- (4) _____ patient toilet room
- _____ serves only one AII room
- (5) _____ bathtub or shower
- 2.1-2.2.6.3 _____ toilet
- (1) _____ toilet
- (2) _____ handwashing station
- (3) _____ bedpan washer

Ventilation:

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

- 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 PE room is in use as isolation room

- _____ edge seals provided along sides & top of doorframe for any door into PE room

Architectural Requirements**Building Systems Requirements**

- (2) (a) ☐ window treatments do not include fabric drapes & curtains
- 2.1-2.4.2.5 ☐ room pressure visual or audible alarm
- 2.2-2.2.4.4(5) Special Design Elements:
- (a) ☐ monolithic ceiling
- ☐ surfaces are cleanable
- (b) ☐ lighting fixtures have lenses & are sealed
- 2.2-2.2.4.5(3) ☐ Anteroom
- (a) ☐ provides space for persons to don personal protective equipment before entering patient room & doff PPE after leaving patient room
- (b) ☐ all doors to anteroom have self-closing devices
- or**
- ☐ audible alarm activated when AII/PE room is in use as isolation room
- 2.1-2.4.2.3 (3)(a) ☐ handwashing station
- (3)(b) ☐ storage for unused PPE
- (3)(c) ☐ disposal/holding container for used PPE
- 2.2-2.2.4.6 ☐ Medical behavioral & mental health room
- ☐ check if not included in project
- 1.2-4.6.2.2(1) ☐ patient environment designed to protect privacy, dignity & health of patients
- ☐ patient environment addresses potential risks related to patient elopement
- ☐ patient environment addresses harm to self & others
- 1.2-4.6.2.2(2) ☐ design of behavioral/mental health patient areas accommodates need for clinical & security resources
- 2.2-2.2.4.6(2) ☐ complies with requirements applicable to patient rooms with following exceptions:
- (a) ☐ room for single patient occupancy
- (b) ☐ room located to permit staff observation of entrance
- (c) ☐ patient room & adjoining patient toilet room designed to minimize potential for escape, concealment, injury or suicide
- ☐ no lay-in ceiling
- ☐ security film or glazing provided on windows
- Ventilation:
- ☐ Min. 10 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ No recirculating room units

Architectural Requirements**Building Systems Requirements**

- ☐ shatterproof mirror in patient toilet room or no mirror
☐ tamper-resistant ceiling & air distribution devices, lighting fixtures sprinkler heads & other appurtenances
 (d) ☐ view panels used for observation of patients provide patient privacy & minimize casual observation by visitors & other patients

2.2-2.14

BARIATRIC PATIENT ROOMS
☐ check if not included in project

2.1-2.3.1

- ☐ Project Narrative determines the need to provide spaces designed to enable safe care of patients of size

2.1-2.3.1.1

(2)

- ☐ Project Narrative includes patient handling & movement assessment including need for expanded-capacity lifts & architectural details supporting movement of patients of size

2.1-2.3.1.3

(1)

Patient Lift System:

- ☐ accommodations for patient handling provided by either overhead lift system or floor-based full-body sling lift & standing-assist lifts

(2)

- ☐ lifts capable of accommodating projected weight of patients of size

2.1-2.3.2(1)

- ☐ Patient rooms designated for patients of size are single-patient rooms

2.1-2.3.2(2)

- ☐ Lift system (e.g. ceiling- or wall-mounted system) in rooms designated for care of patients who weigh 600 lbs. or more
☐ check if not included in project
☐ can transfer patient from bed to toilet

2.1-2.3.2.2

Space Requirements:

(2)(a)

- ☐ min. clearance 5'-0" at foot of bed

(2)(b)

- ☐ min. clearance 5'-6" on non-transfer side of bed from edge of expanded-capacity patient bed

(2)(c)

Clearance on Transfer Side of Bed:

- ☐ patient room equipped with ceiling- or wall-mounted lifts
☐ rectangular clear floor area min. 10'-6" long by 5'-6" wide measured beginning 2'-0" from headwall

or

- ☐ patient room not equipped with ceiling- or wall-mounted lifts

Ventilation:

- ☐ Min. 4 air changes per hour Table 7-1
2.1-8.3.4.3(1)

Lighting:

- ☐ General lighting
☐ Reading light for each patient bed (a)
☐ controls accessible to patients in bed
☐ Night-light located in each patient room (b)
☐ no central control of night-lights outside room
☐ night-light illuminates path from room entrance to bedside

Architectural Requirements**Building Systems Requirements**

- ☐ rectangular clear floor area min. 10'-6" long by 7'-0" wide measured beginning 2'-0" from headwall
- 2.1-2.3.3 ☐ Airborne infection isolation (AII) room
 2.1-2.3.3.1 ☐ at least one AII room that meets requirements in section 2.1-2.3 (accommodations for care of patients of size) & requirements in section 2.1-2.4.2 (airborne infection isolation room) is provided in facility
- 2.1-2.3.4 ☐ handwashing station in each toilet room designated for use by patients of size
- 2.1-2.3.4.1 ☐ meets requirements in section 2.1-2.8.7 (handwashing station)
☐ downward static force required for handwashing stations designated for patients of size indicated in Project Narrative
- 2.1-2.3.5 ☐ Patient toilet room
☐ designated for use by patients of size meet requirements in section 2.1-2.2.6 (patient toilet room)
- 2.1-2.3.5.1 ☐ expanded-capacity toilet
☐ min. 36" from finished wall to centerline of toilet on both sides
- 2.1-2.3.5.2 **or**
☐ regular toilet
☐ min. 44" from finished wall to centerline of toilet on both sides to allow for positioning of expanded capacity commode over toilet
- 2.1-2.3.5.3 ☐ 46" wide clear floor area extends 72" from front of toilet

- ☐ night-light illuminates path between bed & toilet room

Power: Table 2.1-1

- ☐ Min. 12 receptacles in total
☐ Min. 2 receptacles at each side of the head of the bed
☐ Min. 2 receptacles on all other walls (not including any TV receptacle)
☐ Min. 1 receptacle for each motorized bed

Nurse Call System:

- ☐ Patient station Table 2.1-2
☐ Staff assistance station
☐ Emergency call station

Medical Gases:

- ☐ 1 OX, 1 VAC per bed Table 2.1-3

Ventilation:

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

Architectural Requirements

- 2.1-2.3.6 ☐ Shower facilities for patients of size
- 2.1-2.3.6.1 ☐ shower stalls min. 4'-0" by 6'-0"
- 2.1-2.3.6.2 ☐ equipped with grab bars capable of supporting 800 lbs.
- 2.1-2.3.6.3 ☐ handheld spray nozzles mounted on side wall
- 2.1-2.3.8 ☐ Equipment & Supply Storage
- ☐ accommodates size of expanded-capacity equipment (e.g. floor-based lifts lift, slings & accessories etc.)
- 2.1-2.3.9 ☐ Waiting areas
- 2.1-2.3.9.1 ☐ sized to accommodate expanded-capacity furniture required for patients & visitors of size
- 2.1-2.3.9.2 ☐ min. 5% of seating able to accommodate person who weighs 600 lbs.
- 2.1-2.3.10 Special Design Elements for Spaces for Care of Patients of Size:
- 2.1-2.3.10.1 ☐ all plumbing fixtures, handrails, grab bars, patient lift equipment, built-in furniture & other furnishings & equipment designed to accommodate maximum planned patient weight
- 2.1-2.3.10.2 (1) Door Openings:
- ☐ min. clear width 45.5" for path of travel of expanded-capacity wheelchairs to public areas & patient care areas
- (2) ☐ min. clear width 57" to patient rooms
- (3) ☐ min. clear width 45.5" to toilet rooms

SUPPORT AREAS FOR MEDICAL/SURGICAL PATIENT CARE UNITS

- 2.2-2.2.8
- 2.1-2.8.1 ☐ Support areas provided on each patient care unit floor (permitted to be arranged & located to serve more than one patient care unit)
- 2.2-2.2.8.2 ☐ Administrative center or nurse station
- 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*
- 2.1-2.8.2.2 ☐ Center for reception & communication
- ☐ self-contained
- or**
- ☐ combined with administrative center or nurse station

Building Systems Requirements

Ventilation:

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

Nurse Call System:

- ☐ Nurse master station Table 2.1-2

Architectural Requirements**Building Systems Requirements**

- 2.2-2.2.8.3 ☐ Documentation area
- 2.1-2.8.3.1 ☐ work surface to support documentation process
- 2.2-2.2.8.4 ☐ Nurse or supervisor office
- 2.2-2.2.8.5 ☐ Multipurpose room
- 2.1-2.8.5 ☐ at least one room in facility for patient conferences, reports, education, training sessions & consultation (may serve several patient care units & departments)
- 2.2-2.2.8.7 ☐ Handwashing station
- 2.1-2.8.7.1 ☐ located in each room where hands-on patient care is provided
- 2.2-2.2.8.8 ☐ Medication safety zones
- 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 so that staff can 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 lighting

2.1-2.8.8.1(2)(d)

Ventilation:☐ Min. 4 air changes per hour

Table 7-1

Architectural Requirements**Building Systems Requirements**

- 2.2-2.2.8.9 ☐ Nourishment area or room
- 2.1-2.8.9.2 ☐ (1) ☐ handwashing station
 (2) ☐ work counter
 (3) ☐ refrigerator
 (4) ☐ microwave
 (5) ☐ storage cabinets
 (6) ☐ space for temporary storage of food service implements
- 2.1-2.8.9.3 ☐ provisions & space for separate temporary storage of unused meal trays
- 2.1-2.8.9.4 ☐ provisions & space for soiled meal trays
- 2.2-2.2.8.10 ☐ Ice-making equipment
☐ located in each patient care unit
☐ equipment to provide ice for treatments & for nourishment
- 2.2-2.2.8.11 ☐ Clean workroom or clean supply room
- 2.1-2.8.11.2 ☐ clean workroom
☐ used for preparing patient care items
 (1) ☐ work counter
 (2) ☐ handwashing station
 (3) ☐ storage facilities for clean & sterile supplies
- or**
- 2.1-2.8.11.3 ☐ clean supply room
☐ used only for storage & holding as part of system for distribution of clean & sterile supplies
- 2.2-2.2.8.12 ☐ Soiled workroom or soiled holding room
- 2.1-2.8.12.2 ☐ soiled workroom
 (1)(a) ☐ handwashing station
 (1)(b) ☐ flushing-rim clinical service sink with bedpan-rinsing device or equivalent flushing-rim fixture
 (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

Ventilation:

☐ Min. 2 air changes per hour Table 7-1

Ventilation:

☐ Min. 4 air changes per hour Table 7-1☐ Positive pressure

Ventilation:

☐ Min. 4 air changes per hour Table 7-1☐ Positive pressure

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

Architectural Requirements**Building Systems Requirements**

- (2) ☐ space for separate covered containers for waste & soiled linen

- ☐ No recirculating room units

- 2.1-2.8.13.1 ☐ Clean linen storage
 (1) ☐ stored in clean workroom or clean supply room
or
☐ separate closet
or
☐ covered cart distribution system on each floor
 (2) ☐ storage of clean linen carts in designated corridor alcoves, clean workroom or closets

- 2.1-2.8.13.2 ☐ Equipment & supply storage room or alcoves
☐ sized to provide min. 10 sf per patient bed

- 2.1-2.8.13.3 ☐ Storage space for gurneys, stretchers & wheelchairs

- 2.1-2.8.13.4 ☐ Emergency equipment storage
 (1) ☐ each patient care unit has at least one emergency equipment storage location
 (2) ☐ provided under visual observation of staff
 (3) ☐ storage locations do not encroach on minimum required corridor width

- 2.2-2.2.8.14 ☐ Environmental services room
 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)

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

- 2.1-2.8.14.2 ☐ service sink or floor-mounted mop sink
 (1) ☐ provisions for storage of supplies & housekeeping equipment
 (2) ☐ handwashing station
or
☐ hand sanitation station

- 2.2-2.2.8.15 ☐ Examination room
☐ check if not included in project
 (1) (only if all patient rooms in patient care unit are single-patient rooms)
☐ designed for single patient
 (2) ☐ serves only one patient care unit
or
☐ serves more than one patient care unit on same floor
☐ centrally located

- 2.1-2.1.2 Patient privacy:
☐ provisions are made to address patient visual & speech privacy

Architectural Requirements**Building Systems Requirements**

- 2.1-3.2.2.1
(1) ☐ Space Requirements:
 ☐ min. clear floor area 120 sf
 ☐ min. clear dimension 10'-0"
 (2)(a) ☐ room size permits room arrangement
 with min. clearance 3'-0" at each side
 & at foot of exam table, recliner or
 chair
 ☐ room arrangement (layout #1)
 shown in the plans
 (2)(b) ☐ exam table, recliner or chair is
 placed at angle closer to one wall
 than another or against wall to
 accommodate type of patient
 being served
 ☐ check if not included in project
 ☐ room arrangement (layout #2)
 shown in the plans
- 2.1-3.2.2.2
(2) ☐ storage for supplies
 (3) ☐ accommodations for written or
 electronic documentation
 (4) ☐ space for visitor's chair
 (5) ☐ handwashing station

- Ventilation:
☐ Min. 6 air changes per hour Table 7-1
- Lighting:
☐ Portable or fixed exam light 2.1-8.3.4.3(3)
- Power:
☐ Min. 8 receptacles in total Table 2.1-1
☐ Min. 4 receptacles convenient
 to head of gurney or bed
- Nurse Call System:
☐ Emergency call station Table 2.1-2
- Medical Gases:
☐ 1 OX & 1 VAC Table 2.1-3

2.2-2.2.9 **SUPPORT AREAS FOR STAFF**

- 2.1-2.9.1 ☐ Staff lounge
 ☐ min. 100 sf
 2.1-2.9.2 ☐ 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
- 2.1-2.9.3 ☐ Staff storage facilities
 2.1-2.9.3.1 ☐ securable closets or cabinet
 compartments for staff personal articles
 ☐ located in or near nurse station

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

2.2-2.2.10 **SUPPORT AREAS FOR PATIENTS FAMILIES
& VISITORS**

- 2.2-2.2.10.1 ☐ Family & visitor lounge
 ☐ each patient care unit provides access
 to lounge for family & visitors
- 2.1-2.10.1.1 ☐ Size:
 (1) ☐ accommodates at minimum 3
 chairs & 1 wheelchair space
 (2) ☐ accommodates at least 1 person
 for every 4 beds in unit

- Communications:
☐ Public communication 2.1-2.10.1.6
 services provided in each
 family & visitor lounge

Architectural Requirements**Building Systems Requirements**

- 2.1-2.10.1.2 ☐ immediately accessible* to patient care units served (permitted to serve more than one patient care unit)
- 2.1-2.10.1.4 ☐ designed to minimize impact of noise & activity on patient rooms & staff functions
- 2.2-2.2.10.2 (1) ☐ Toilet room
☐ handwashing station
☐ readily accessible* to multipurpose room
- 2.2-2.2.10.4 ☐ Place for meditation & prayer
- 2.1-6.2.5 ☐ dedicated space accessible to the public provided to support meditation, bereavement & prayer

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

- | | |
|--|--|
| <p>2.1-7.2.2 ARCHITECTURAL DETAILS</p> <p>2.1-7.2.2.1 CORRIDOR WIDTH:</p> <p>NFPA 101, 18.2.3.3 <input type="checkbox"/> Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width</p> <p>or</p> <p><input type="checkbox"/> Detailed code review incorporated in Project Narrative</p> <p><input type="checkbox"/> Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width</p> <p>2.1-7.2.2.2 CEILING HEIGHT:</p> <p>(1) <input type="checkbox"/> Min. ceiling height 7'-6" in corridors & in normally unoccupied spaces</p> <p>(2) <input type="checkbox"/> Min. ceiling height 9'-0" in seclusion rooms & secure holding rooms</p> <p>(3) <input type="checkbox"/> Min height 7'-6" above floor of suspended tracks rails & pipes located in traffic path for patients in beds & on stretchers</p> <p><input type="checkbox"/> Min ceiling height 7'-10" in other areas</p> | <p>(b) <input type="checkbox"/> sliding doors
 <input type="checkbox"/> check if <u>not</u> included in project
 <input type="checkbox"/> manual or automatic sliding doors comply with NFPA 101
 <input type="checkbox"/> detailed code review incorporated in Project Narrative
 <input type="checkbox"/> no floor tracks</p> <p>(2) Door Opening to Patient Rooms:</p> <p>(a) <input type="checkbox"/> min 45.5" clear door width
 <input type="checkbox"/> min 83.5" clear door height</p> <p>(b) <input type="checkbox"/> swinging doors for personnel use in addition to sliding doors
 <input type="checkbox"/> check if <u>not</u> included in project
 <input type="checkbox"/> min clear width 34.5"</p> <p>(3) Door Swing:</p> <p>(a) <input type="checkbox"/> doors do not swing into corridors except doors in behavioral health units & doors to non-occupiable spaces (e.g. environmental services rooms & electrical closets) & doors with emergency breakaway hardware</p> <p>(4) <input type="checkbox"/> Lever hardware or push/pull latch hardware</p> |
|--|--|

(5)	Doors for Patient Bathing/Toilet Facilities:	2.1-7.2.2.8	HANDWASHING STATIONS:
(a)	<input type="checkbox"/> two separate doors or <input type="checkbox"/> door that swings outward or <input type="checkbox"/> door equipped with emergency rescue hardware (permits quick access from outside the room to prevent blockage of the door) or <input type="checkbox"/> sliding door other than pocket door	(1)(c)	<input type="checkbox"/> Handwashing stations in patient care areas located so they are visible & unobstructed
(b)	<input type="checkbox"/> bathing area or toilet room opens onto public area or corridor <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> visual privacy is maintained	(3)	
		(a)	<input type="checkbox"/> Handwashing station countertops made of porcelain stainless steel solid-surface materials or impervious plastic laminate assembly
		(b)	<input type="checkbox"/> Countertops substrate <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> marine-grade plywood (or equivalent material) with impervious seal
		(4)	<input type="checkbox"/> Handwashing station casework <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> designed to prevent storage beneath sink
2.1-7.2.2.5	WINDOWS IN PATIENT ROOMS:	(5)	<input type="checkbox"/> Provisions for drying hands
2.1-7.2.2.5(1)	<input type="checkbox"/> Each patient room provided with natural light by means of window to outside	(a)	<input type="checkbox"/> hand-drying device does not require hands to contact dispenser
2.1-7.2.2.5(2)	<input type="checkbox"/> Operable windows in patient rooms or suites <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> window operation is limited with either stop limit/restrictor hardware or open guard/screen <input type="checkbox"/> prevents passage of 4-inch diameter sphere through opening	(b)	<input type="checkbox"/> hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing
		(6)	<input type="checkbox"/> liquid or foam soap dispensers
2.1-7.2.2.6	<input type="checkbox"/> insect screens	2.1-7.2.2.9	GRAB BARS:
2.1-7.2.2.5(3)	Window Size In Patient Rooms:	(1)	<input type="checkbox"/> Grab bars anchored to sustain concentrated load 250 pounds
(a)	<input type="checkbox"/> minimum net glazed area be no less than 8% of required min. clear floor area of room served	(2)	<input type="checkbox"/> Grab bars in toilet rooms used by patients of size anchored to sustain concentrated load 800 pounds
(b)	<input type="checkbox"/> maximum 36 inches windowsill height above finished floor	(3)	<input type="checkbox"/> Ends of grab bars constructed to prevent snagging clothes of patients staff & visitors
2.1-7.2.2.7	GLAZING MATERIALS:	2.1-7.2.2.10	HANDRAILS:
	<input type="checkbox"/> Glazing within 1 foot 6 inches of floor <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> must be safety glass wire glass or plastic break-resistant material	(1)(a)	<input type="checkbox"/> Installed on both sides of patient use corridors (may be omitted at nurse stations, doors, alcoves & fire extinguisher cabinets)
		(1)(b)	
		(2)	<input type="checkbox"/> Rail ends return to wall or floor
		(3)	<input type="checkbox"/> Handrail gripping surfaces & fasteners are smooth (free of sharp or abrasive elements)
		(4)	<input type="checkbox"/> Handrails have eased edges & corners
		(5)	<input type="checkbox"/> Handrails have surface light reflectance value that contrasts with that of wall surface by min. 30%
		(6)	<input type="checkbox"/> Handrail finishes are cleanable & able to withstand disinfection

2.1-7.2.2.12 NOISE CONTROL:

- (1) ☐ Recreation rooms exercise rooms equipment rooms & similar spaces where impact noises may be generated are not located directly over patient bed areas
- or**
- ☐ Special provisions are made to minimize impact noise
- (2) ☐ Noise reduction criteria in Table 1.2-6 applicable to partitions floors & ceiling construction are met in patient areas

2.1-7.2.2.14 DECORATIVE WATER FEATURES:

- (1) ☐ No indoor unsealed water features
- (2) ☐ Covered fish tanks
- ☐ check if not included in project
- ☐ restricted to public 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 cleaning solutions
- (7)(a) Floors are monolithic & integral coved wall bases are at least 6" high & tightly sealed to wall in rooms listed below:
- ☐ airborne infection isolation (All) room
- ☐ protective environment (PE) room
- ☐ check if not included in project
- ☐ combination All/PE room
- ☐ check if not included in project
- ☐ anteroom to All & PE rooms
- ☐ check if not included in project
- ☐ soiled workroom & soiled holding room

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 (e.g environmental services rooms) 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

2.1-7.2.4.1

Built-In Furnishings:

- ☐ check if not included in project
- ☐ upholstered with impervious materials in patient treatment areas

2.1-7.2.4.2

Window Treatments in Patient Rooms & Other Patient Care Areas:

- (1) ☐ blinds sheers or other patient-controlled window treatments provided to allow for patient privacy & to control light levels & glare
- (2) ☐ window treatments do not compromise patient safety
- ☐ easy for patients visitors & staff to operate
- (3) ☐ window treatments selected for ease of cleaning disinfection or sanitization

2.1-7.2.4.3

- ☐ Privacy curtains in patient rooms & other patient care areas are washable
- ☐ check if not included in project

2.1-8.2

HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS

Part 3/6.1

Part 3/6.1.1

UTILITIES:

Ventilation Upon Loss of Electrical Power:

- ☐ space ventilation & pressure relationship requirements of Tables 7.1 are maintained for All Rooms & PE Rooms in event of loss of normal electrical power

Part 3/6.1.2

Part 3/6.1.2.1

Heating & Cooling Sources:

- ☐ 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
- ☐ 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 _____ 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 3/6.3.2.2	_____ 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 All rooms is located not less than 25'-0" horizontally from outdoor air intakes, openable windows/doors & areas that are normally accessible to public
Part 3/6.2	AIR-HANDLING UNIT (AHU) DESIGN:	Part 3/6.4	FILTRATION:
Part 3/6.2.1	_____ AHU casing is designed to prevent water intrusion resist corrosion & permit access	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
Part 3/6.3	OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:	b.	_____ Outdoor air filtered in accordance with Table 7-1
Part 3/6.3.1	Outdoor Air Intakes:	c.	_____ Air supplied from equipment serving multiple or different spaces is filtered in accordance with Table 7-1
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	d.	_____ Air recirculated within room is filtered in accordance with Table 7-1 or Section 7.1(a)(5)
Part 3/6.3.1.4	_____ intake in areaway <input type="checkbox"/> check if <u>not</u> 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	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 3/6.3.2	Exhaust Discharges:	Part 3/6.5	HEATING & COOLING SYSTEMS:
Part 3/6.3.2.1	_____ ductwork within building is under negative pressure for exhaust of contaminated air (i.e air from All rooms) _____ exhaust discharge outlets with contaminated air located such that they reduce potential for recirculation of exhausted air back into building	Part 3/6.5.3	_____ Radiant heating systems <input type="checkbox"/> check if <u>not</u> included in project _____ ceiling or wall panels with exposed cleanable surfaces or radiant floor heating are provided in All 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 ___ All room exhaust systems or combination All/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 3/7.1a.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 (All) Rooms
☐ check if not included in project
 ___ All 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 All room is exhausted directly to outdoors

Exhaust air from All rooms, associated anterooms & toilet rooms:

___ is discharged directly to outdoors without mixing with exhaust air from any other non-All 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
 ___ All 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 (All/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 All/PE room & corridor or common space
or
 ___ anteroom is at negative pressure with respect to both All/PE room & corridor or common space
 ___ First device monitors pressure differential between All/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 ELECTRICAL SYSTEMS**2.1-8.3.2.2 Panelboards:**

- (1) ☐ 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) ☐ 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) ☐ illumination for reading provided for each patient bed
- (c) ☐ patients must be able to adjust illumination without having to get out of bed
- (d) ☐ no incandescent & halogen light sources
- (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 fixture located no more than 18 inches from finished floor illuminates pathway from bed to toilet room
- ☐ 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:

- 2.1-8.3.6.1 **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) ☐ receptacles in pediatric & psychiatric unit corridors are of tamper-resistant type

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

2.1-8.4.2.2 Hemodialysis/Hemoperfusion Water Distribution:

- ☐ check if not included in project
- (1)(a) ☐ separate treated water distribution system
- (2)(b) ☐ outlet at each individual hemodialysis treatment bay
- ☐ outlet at hemodialysis equipment repair area
- ☐ outlet at dialysate preparation area
- or**
- (1)(b) ☐ dialysis equipment includes sufficient water treatment provisions for use of domestic cold water
- (1)(a) ☐ drainage system independent from tap water drainage
- (4) ☐ liquid waste & disposal system for hemodialysis treatment area are designed to minimize odor & prevent backflow
- (5) ☐ hemodialysis distribution piping is readily accessible* for inspection & maintenance

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 Drainage Systems:

- (1)(a) ☐ 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
 - 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) ☐ 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 that is not open to restricted 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) ☐ 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) ☐ blade handles
- ☐ check if not included in project
- ☐ at least 4 inches in length
- ☐ provide clearance required for operation

(b)	<input type="checkbox"/> sensor-regulated water fixtures <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> meet user need for temperature & length of time water flows <input type="checkbox"/> designed to function at all times & during loss of normal power	2.1-8.4.4	MEDICAL GAS & VACUUM SYSTEMS <input type="checkbox"/> Station outlets provided as indicated in Table 2.1-3
2.1-8.4.3.3	Showers & Tubs:	2.1-8.5.1	CALL SYSTEMS
(1)	<input type="checkbox"/> nonslip surfaces	2.1-8.5.1.1(1)	<input type="checkbox"/> Nurse call stations provided as required in Table 2.1-2
(2)	<input type="checkbox"/> Surfaces for personal effects (e.g., shampoo, soap): <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> surfaces for personal effects are recessed	2.1-8.5.1.1(2)	<input type="checkbox"/> Nurse call systems report to attended location with electronically supervised visual & audible annunciation as indicated in Table 2.1-2
2.1-8.4.3.4	Ice-Making Equipment:	2.1-8.5.1.1(4)	<input type="checkbox"/> Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment"
	<input type="checkbox"/> copper tubing provided for supply connections to ice-making equipment	2.1-8.5.1.1(5)	<input type="checkbox"/> Wireless nurse call system
2.1-8.4.3.5	Clinical Sinks:		<input type="checkbox"/> check if <u>not</u> included in project
(1)	<input type="checkbox"/> trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices)	2.1-8.5.1.2	Patient Call Stations:
(a)	<input type="checkbox"/> handles are at least 6 in long	(1)	<input type="checkbox"/> each patient sleeping bed except nursery beds provided with patient call station equipped for two-way voice communication
(2)	<input type="checkbox"/> integral trap wherein upper portion of water trap provides visible seal	(2)(a)	<input type="checkbox"/> indicator light that remains lighted as long as voice circuit is operating
2.1-8.4.3.7	Human waste disposal systems:	(2)(b)	<input type="checkbox"/> reset switch for canceling call
(1)	<input type="checkbox"/> bedpan-rinsing device	(3)(a)	<input type="checkbox"/> visible signal in corridor at patient's door
(a)	<input type="checkbox"/> provided in each inpatient toilet room (except in behavioral & alcohol-abuse units)	<input type="checkbox"/> Multi-Corridor Patient Areas: <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> additional visible signals at corridor intersections	
(b)	<input type="checkbox"/> use cold water only		
	or	(3)(b)	<input type="checkbox"/> visible & audible signal at the nurse master station of patient care units or patient care areas
(2)	<input type="checkbox"/> bedpan washer-disinfector system	2.1-8.5.1.2(4)	<input type="checkbox"/> Nurse call system provided in each patient care area as required in Table 2.1-2
(a)	<input type="checkbox"/> located in patient toilet room or soiled workroom	2.1-8.5.1.3	Bath Stations:
(b)	<input type="checkbox"/> electrical & plumbing connections that meet manufacturer requirements are provided	<input type="checkbox"/> bath station that can be activated by patient lying on floor provided at each patient toilet bathtub sitz bath or shower stall	
(3)	or		
(a)	<input type="checkbox"/> disposable bedpan macerator system	(1)	<input type="checkbox"/> alarm in these areas can only be turned off at bath station where it was initiated
(b)	<input type="checkbox"/> installed in soiled workroom	(2)	<input type="checkbox"/> shower/tub bath stations located 3'-0" to 4'-0" above floor within view of user & within reach of staff without need to step into shower or tub
(b)	<input type="checkbox"/> electrical & plumbing connections per manufacturer requirements are provided	(3)	<input type="checkbox"/> 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

2.1-8.6.2.1 ☐ 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