

COMPLIANCE CHECKLIST

IP9: Pediatric & Adolescent 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 2014 Edition of the FGI Guidelines for Design and Construction of Hospitals and Outpatient Facilities. 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 (2000) and applicable related standards contained in the appendices of the Code
- State Building Code (780 CMR)
- Joint Commission on the Accreditation of Health Care Organizations
- CDC Guidelines for Preventing the Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797
- 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 Part II of the 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 symbols, unless otherwise directed in the checklist. If a functional space is not affected by a renovation project, the symbol "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.

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).

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, and waste anesthesia gas disposal outlets (if required) are identified respectively by the abbreviations "OX", "VAC", "MA", & "WAGD".
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.

Facility Name: _____

DoN Project Number: (if applicable) _____

Facility Address: _____

Nursing Unit Bed Complements:
Current = Proposed =

Satellite Name: (if applicable) _____

Building/Floor Location: _____

Satellite Address: (if applicable) _____

Submission Dates:

Project Description: _____

Initial Date:
Revision Date:

Architectural Requirements

Building Systems Requirements

2.2-2.13 **DISCRETE PEDIATRIC & ADOLESCENT UNIT**
 check if not included in project

2.2-2.13.2 **PATIENT ROOM**

2.2-2.13.2.1 Capacity:
 New Patient Room:
 (1) 1 bed per room
 Existing Patient Room:
 (2) maximum room capacity no more than present capacity, with maximum 2 patients in each room

2.2-2.2.2.2 Space Requirements:
 (1) patient rooms sized to accommodate needs of clinical services
 (a) single-bed rooms
 check if not included in project

(1)(b) min. clear floor area 120 sf
 (2)(a) min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 (2)(b) min. clearance 3'-0" between foot of bed & any wall or any other fixed obstruction

multiple bed rooms
 check if not included in project
 (1)(b) min. clear floor area 100 sf per bed
 min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 (2)(b) min. 4'-0" clearance at foot of each bed for passage of beds & equip

(2)(a) **Bed Size for Determining Clearances:**
 Glossary 40" wide by 96" long
or
 Specifications of beds to be installed are attached to checklist

2.1-2.2.4 Patient Privacy:
 2.1-2.2.4.1 Means to provide visual privacy from observation by other patients & visitors available for each patient

2.1-2.2.4.2 Design for privacy does not restrict patient access to entrance, handw. station, or toilet

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) Handwashing station adjacent* to entrance to patient room for use by health care personnel & others

Ventilation*:
 Min. 4 air changes/hour Table 7.1

Power*:
 Min. 12 receptacles Table 2.1-1
 Min. 2 receptacles at each side of the head of the bed
 Min. 2 receptacles on all other walls (may be omitted on exterior wall)

Nurse Call System*:
 Patient station Table 2.1-2
 Emergency staff assistance station

Medical Gases*:
 1 OX, 1 VAC for each bed Table 2.1-4

**Common requirements for all patient rooms*

Architectural Requirements

Multi-Patient Rooms:

check if not included in project

- (2) located outside cubicle curtains
- 2.1-2.2.6 Patient toilet room
- 2.1-2.2.6.2 serves no more than one patient room
- serves no more than 2 patients
- 2.1-2.2.6.3 toilet
- (1) handwashing station
- (2) bedpan washer
- (3) Patient bathing facilities
- 2.2-2.2.2.7 (1) access to bathing facilities in toilet room directly accessed from each patient room or in central bathing facility
- (2) central bathing facilities
- (a) check if not included in project (only if each patient room has direct access to adjoining shower or bathtub)
- (b) each bathtub or shower in individual room or enclosure that provides privacy for bathing, drying & dressing
- at least 1 central bathing facility with shower or bathtub for each 12 beds without such facilities
- (c) toilet in separate enclosure
- handwashing sink
- storage for soap & towels
- (3) mobile lifts, shower gurney devices, wheelchairs & other portable wheeled equipment are used
- check if not included in project
- (a) doorways designed to allow entry of portable/mobile mechanical lifts & shower gurney devices
- (b) thresholds designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment
- (c) patient shower rooms designed to allow entry of portable/mobile mechanical lifts & shower gurney devices
- (d) floor drain grates designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment used by patients & staff
- 2.1-2.2.8 Patient Storage:
- separate wardrobe, locker, or closet suitable for garments & for storing personal effects

Building Systems Requirements

Ventilation:

- Min. 10 air changes per hour Table 7.1
- Exhaust

Ventilation:

- Min. 10 air changes per hour Table 7.1
- Exhaust
- Negative pressure

Architectural Requirements

Building Systems Requirements

- 2.2-2.2.3.1 (1) Family zone support features
 - (a) space for movable seating with min. one seat for family member or visitor & one seat for patient
 - (b) space for min. one chair for long-term sitting
 - (2) family members or visitors permitted to sleep in patient room overnight
 - check if not included in project
 - space for sleeping accommodation
 - (3) public communication services in each patient room

SPECIAL PATIENT CARE ROOMS

- 2.2-2.1.3.4 Airborne infection isolation room
 - (1) at least 1 AII room in each pediatric unit
- 2.2-2.13.4.2 Airborne infection isolation room
 - (1) single-bed room
 - (2) provision made for personal protective equipment storage at entrance to room
 - (3) handwashing station in each patient room
- 2.1-2.4.2.2 monolithic floors with integral covered 6" high wall base
- 2.1-7.2.3.1(6) monolithic floors with integral covered 6" high wall base

- Ventilation:
 - Min. 12 air changes per hour Table 7.1
 - Exhaust
 - Negative pressure
 - No recirculating room units
 - Space ventilation & pressure relationship maintained in event of loss of normal electrical power 4/6.1.1
 - Exhaust air from AII rooms, associated anterooms & toilet rooms discharged directly to outdoors 4/7.2.1
 - Exhaust grilles or registers located directly above patient bed on ceiling or on wall near head of bed
 - Permanent device monitoring differential air pressure between AII room & corridor

- 2.1-2.4.2.2(4) separate room with toilet, handwashing station & bathtub or shower
- 2.1-2.4.2.3 Anteroom
 - check if not included in project
 - (1) for persons to don personal protective equipment before entering patient room
 - (2) all doors to anteroom have self-closing devices
- 2.1-2.4.2.4(1) self-closing devices on all room exit doors
 - (b) self-closing devices on all room exit doors
 - (c) doors have edge seals

- Ventilation:
 - Min. 10 air changes per hour Table 7.1
 - Exhaust
- Ventilation:
 - Min. 10 air changes per hour Table 7.1
 - Exhaust
 - Negative pressure to corridor
 - No recirculating room units
 - AII room under negative pressure to anteroom 4/7.2.1
 - Anteroom under negative pressure to corridor

Architectural Requirements
SUPPORT AREAS FOR PEDIATRIC & ADOLESCENT UNITS

Building Systems Requirements

- 2.2-2.13.6
- 2.2-2.2.5.3
 - (1) support areas listed are located in or readily accessible* to each nursing unit
 - (3) each support area provided on each nursing floor
- 2.1-2.6.1 Administrative center or nurse station
- 2.1-2.6.1.1
 - (1) space for counters
 - (2) at least one handwashing station located in, next to, or directly accessible*
- 2.1-2.6.2 Documentation area
- 2.1-2.6.2.1 work surface to support documentation process for number of staff who will use it at same time
- 2.2-2.2.6.3 Nurse or supervisor office
 - in or readily accessible* to nursing unit
- 2.1-2.6.4 Multipurpose conference room
- 2.1-2.6.4.1 at least one multipurpose room for each facility for staff, patients & patients' families for patient conferences, reports, education, training sessions & consultation
- 2.1-2.6.4.2 accessible to each nursing unit (may serve several nursing units)
- 2.1-2.6.6 Medication safety zones
- 2.1-2.6.6.1
 - (2) medication preparation room **or**
 - self-contained medication dispensing unit
- (a) located out of circulation paths to minimize distraction & interruption
- (c) work counters
- (d) task lighting
- (e) meet acoustic design criteria per 1.2-5.1
- 2.1-2.6.6.2
 - (1) medication preparation room
 - check if not included in project
 - (a) under visual control of nursing staff
 - (b) work counter
 - handwashing station
 - lockable refrigerator
 - locked storage for controlled drugs
 - (c) Sharps Containers:
 - check if not included in project
 - sharps containers placed at height that allows users to see top of container
 - (d) space to prepare medicines in addition to any self-contained medicine-dispensing unit

Nurse Call System:
 Master station Table 2.1-2

Nurse Call System:
 Duty station Table 2.1-2

Ventilation:
 Min. 4 air changes per hour Table 7.1
 Nurse Call System:
 Duty station Table 2.1-2

Architectural Requirements

Building Systems Requirements

- (2) self-contained medication dispensing units
 - check if not included in project
- (a) located at nurse station, in clean workroom, in an alcove, or inpatient room
 - lockable unit to secure controlled drugs
- (b) handwashing station located next to stationary medication-dispensing units
 - Mobile Medication-Dispensing Carts:
 - check if not included in project:
 - space in patient rooms to accommodate cart

- 2.1-2.6.7 Nourishment area or room
 - 2.1-2.6.7.2 (1) handwashing station
 - (2) work counter
 - (3) refrigerator
 - (4) microwave
 - (5) storage cabinets
 - (6) space for temporary storage of unused & soiled food service implements
 - 2.1-2.6.7.3 provisions & space for separate temporary storage of unused & soiled meal trays not picked up at mealtime

- Ventilation:
 - Min. 2 air changes per hour Table 7.1
- Nurse Call System:
 - Duty station Table 2.1-2

- 2.1-2.6.8 Ice-making equipment
 - 2.1-2.6.8.1 located in an enclosed space
 - 2.1-2.6.8.2 (1) self-dispensing ice-making equipment in public area
 - (2) check if not located in public area

- 2.1-2.6.9 Clean workroom or clean supply room
 - 2.1-2.6.9.1 clean workroom used for preparing patient care items
 - (1) work counter
 - (2) handwashing station
 - (3) storage facilities for clean & sterile supplies

- Ventilation:
 - Min. 4 air changes per hour Table 7.1
 - Positive pressure
- Nurse Call System:
 - Duty station

- 2.1-2.6.9.2 or
 - clean supply room used only for storage & holding as part of system for distribution of clean & sterile supplies

- Ventilation:
 - Min. 4 air changes per hour Table 7.1
 - Positive pressure

- 2.1-2.6.10 Soiled workroom or soiled holding room
 - 2.1-2.6.10.1 Soiled workroom
 - (1) handwashing station
 - (2) flushing-rim clinical service sink with bedpan washer
 - (3) work counter
 - (4) space for separate covered containers

- Ventilation:
 - Min. 10 air changes per hour Table 7.1
 - Exhaust
 - Negative pressure
- Nurse Call System:
 - Duty station

Architectural Requirements

- 2.1-2.6.10.2 soiled holding room
- (1) handwashing station or hand sanitation station
- (a) space for separate covered containers
- (b) toilet with bedpan washer located in each inpatient toilet room
- (3)

- 2.1-2.6.11.1 Clean linen storage
- (1) clean linen stored in clean workroom or clean linen closet
- (2) covered cart distribution system (corridor alcoves may be used)
- check if not included in project

- 2.1-2.6.11.2 Equipment & supply storage room or alcove
- min. 10 sf per patient bed

- 2.1-2.6.11.3 Storage space for stretchers & wheelchairs

- 2.1-2.6.11.4 Emergency equipment storage
- (1) each nursing unit has at least one emergency equipment storage location
- (2) under visual observation of staff
- (3) storage locations in corridors do not infringe on min. required corridor width

- 2.1-2.6.12 Environmental services room

- 2.1-2.6.12.1
- (1) serves one or more than one nursing unit on a floor
- (2) readily accessible* to unit it serves

- 2.1-2.6.12.2
- (1) service sink or floor-mounted mop sink
- (2) provisions for storage of supplies & housekeeping equipment
- (3) handwashing station or hand sanitation station

- 2.1-2.6.8 Ice-making equipment
- 2.1-2.6.8.1 located in an enclosed space

- 2.1-2.6.8.2
- (1) self-dispensing ice-making equipment in public area
- (2) check if not located in public area

- 2.2-2.2.6.13 Examination room
- check if not included in project
- (1) (only if all single patient rooms in nursing unit)
- (2) centrally located to serve one or more nursing units on same floor

- 2.1-3.2.2 single-bed examination room

- 2.1-3.2.2.1 Space Requirements:
- (1) min. clear floor area of 120 sf with min. clear dimension of 10'-0"
- (2)
- (a) room size permits min. clearance of 3'-0" at each side & at foot of exam table
- (b) room arrangement permits placement of exam table, recliner, or chair at an angle, closer to one wall than another, or against wall to accommodate type of patient being served

Building Systems Requirements

- Ventilation:
- Min. 10 air changes per hour Table 7.1
- Exhaust
- Negative pressure

- Ventilation:
- Min. 10 air changes per hour Table 7.1
- Exhaust

- Ventilation:
- Min. 6 air changes per hour Table 7.1
- Power:
- Min. 8 receptacles in room Table 2.1-1
- Min. 4 receptacles convenient to head of stretcher
- Nurse Call System:
- Emergency staff assistance station Table 2.1-2
- Duty station

Architectural Requirements

- 2.1-3.2.2.2 Room Features:
 - (1) ___ examination light
 - (2) ___ storage for supplies
 - (3) ___ accommodations for written or electronic documentation
 - (4) ___ space for visitor's chair
 - (5) ___ handwashing station

- 2.2-2.13.6.4 ___ Multipurpose activity room
 - (1) ___ designed for dining, education & developmentally appropriate play & recreation
 - ___ located in or adjacent* to areas serving pediatric & adolescent patients rooms
 - ___ access & equipment for patients with physical restrictions
 - (2) ___ insulation, isolation & structural provisions minimize transmission of impact noise through floor, walls, or ceiling of multipurpose room

- 2.2-2.13.6.7 ___ Formula facilities
 - ___ space for preparation & storage of formula
 - ___ immediately accessible* to unit

- 2.2-2.13.6.11 Equipment & Supply Storage:
 - (1) ___ storage closets or cabinets for toys & educational & recreational equipment
 - (2) ___ storage space to permit exchange of cribs & adult beds
 - (3) ___ storage of equipment & supplies for parents who stay with patient overnight

SUPPORT AREAS FOR STAFF

- 2.2-2.2.7 Location:
 - 2.2-2.2.5.3 (1) ___ support areas listed are located in or readily accessible* to each nursing unit
 - (3) ___ each support area provided on each nursing floor

- 2.1-2.7.1 ___ Staff lounge
 - ___ min. 100 sf

- 2.1-2.7.2 ___ Staff toilet room
 - 2.1-2.7.2.1 ___ readily accessible* to each nursing unit
 - 2.1-2.7.2.2 ___ toilet & handwashing station

- 2.1-2.7.3 ___ Staff storage facilities
 - 2.1-2.7.3.1 ___ securable closets or cabinet compartments for personal articles of staff
 - ___ located in or near nurse station
 - 2.1-2.7.3.2 ___ coat storage
 - check if not included in project:
 - ___ storage of coats in closets or cabinets on each floor or in central staff locker area

Building Systems Requirements

- Medical Gases:
 - ___ 1 OX, 1 VAC

- Table 2.1-4

- Nurse Call System:
 - ___ Duty station

- Ventilation:
 - ___ Min. 10 air changes per hour
 - ___ Exhaust

- Table 7.1

- Table 2.1-2

	Architectural Requirements	Building Systems Requirements
2.2-2.2.8	SUPPORT AREAS FOR PATIENTS, FAMILIES & VISITORS	
2.2-2.2.5.3	Location:	
(1)	<input type="checkbox"/> support areas listed are located in or readily accessible* to each nursing unit	
(3)	<input type="checkbox"/> each support area provided on each nursing floor	
2.2-2.2.8.1	<input type="checkbox"/> Family & visitor lounge	
(2)	<input type="checkbox"/> lounge immediately accessible* to nursing unit served (may serve more than one nursing unit)	
(3)	<input type="checkbox"/> lounge designed to minimize impact of noise & activity on patient rooms & staff functions	
(4)	<input type="checkbox"/> lounge designed to minimize impact of noise & activity on patient rooms & staff functions	
(6)	<input type="checkbox"/> public communication services	
2.2-2.2.8.2	<input type="checkbox"/> toilet room readily accessible*	
2.2-2.2.8.3	<input type="checkbox"/> Place for meditation & prayer	
	<input type="checkbox"/> dedicated quiet space to support meditation, bereavement, or prayer.	
2.2-2.13.8.2	<input type="checkbox"/> Patient toilet room	
	<input type="checkbox"/> toilet rooms immediately accessible* to multipurpose rooms & to each central bathing facility (in addition to toilet rooms serving bed areas)	
	<input type="checkbox"/> handwashing station	

PEDIATRIC SUB-UNIT

- check if not included in project
- 130.740(A) (2) ___ Located within an adult care unit
- ___ Pediatric beds permanently designated
- 130.740(A)(2) ___ Pediatric patient rooms are contiguous
- 130.740(A)(2) ___ Pediatric sub-unit situated in such a way that the flow of adult patients through it is discouraged

PATIENT ROOM

- 2.2-2.13.2
- 2.2-2.13.2.1 Capacity:
 - (1) New Patient Room:
 - ___ 1 bed per room
 - (2) Existing Patient Room:
 - ___ maximum room capacity no more than present capacity, with maximum 2 patients in each room
- 2.2-2.2.2.2 Space Requirements:
 - (1) ___ patient rooms sized to accommodate needs of clinical services
 - (a) ___ single-bed rooms
 - check if not included in project
 - (1)(b) ___ min. clear floor area 120 sf
 - (2)(a) ___ min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 - (2)(b) ___ min. clearance 3'-0" between foot of bed & any wall or any other fixed obstruction
 - ___ multiple bed rooms
 - check if not included in project
 - (1)(b) ___ min. clear floor area 100 sf per bed
 - ___ min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
 - (2)(b) ___ min. 4'-0" clearance at foot of each bed for passage of beds & equip

- Ventilation*:
 - ___ Min. 4 air changes/hour Table 7.1
- Power*:
 - ___ Min. 12 receptacles Table 2.1-1
 - ___ Min. 2 receptacles at each side of the head of the bed
 - ___ Min. 2 receptacles on all other walls (may be omitted on exterior wall)
- Nurse Call System*:
 - ___ Patient station Table 2.1-2
 - ___ Emergency staff assistance station
- Medical Gases*:
 - ___ 1 OX, 1 VAC for each bed Table 2.1-4

**Common requirements for all patient rooms*

- (2)(a) Glossary
 - ___ Bed Size for Determining Clearances: 40" wide by 96" long
 - or**
 - ___ Specifications of beds to be installed are attached to checklist

- 2.1-2.2.4 Patient Privacy:
 - 2.1-2.2.4.1 ___ Means to provide visual privacy from observation by other patients & visitors available for each patient
 - 2.1-2.2.4.2 ___ Design for privacy does not restrict patient access to entrance, handw. station, or toilet

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) Handwashing station adjacent* to entrance to patient room for use by health care personnel & others
- Multi-Patient Rooms:
 check if not included in project
- (2) located outside cubicle curtains

- 2.1-2.2.6 Patient toilet room
- 2.1-2.2.6.2 serves no more than one patient room
- serves no more than 2 patients

- 2.1-2.2.6.3 (1) toilet
- (2) handwashing station
- (3) bedpan washer

Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust

- 2.2-2.2.2.7 Patient bathing facilities
- (1) access to bathing facilities in toilet room directly accessed from each patient room or in central bathing facility

- (2) central bathing facilities
- (a) check if not included in project (only if each patient room has direct access to adjoining shower or bathtub)

- 130.740(A)(2) located within the pediatric sub-unit
- designed for exclusive use by pediatric patients

- (b) each bathtub or shower in individual room or enclosure that provides privacy for bathing, drying & dressing
- at least 1 central bathing facility with shower or bathtub for each 12 beds without such facilities

Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust
 Negative pressure

- (c) toilet in separate enclosure
- handwashing sink
- storage for soap & towels

- (3) mobile lifts, shower gurney devices, wheelchairs & other portable wheeled equipment are used
- check if not included in project

- (a) doorways designed to allow entry of portable/mobile mechanical lifts & shower gurney devices

- (b) thresholds designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment

- (c) patient shower rooms designed to allow entry of portable/mobile mechanical lifts & shower gurney devices

(d) _____ floor drain grates designed to facilitate use & prevent tipping of wheelchairs & other portable wheeled equipment used by patients & staff

2.1-2.2.8 Patient Storage:
 _____ separate wardrobe, locker, or closet suitable for garments & for storing personal effects

2.2-2.2.3.1 _____ Family zone support features
 (1) _____
 (a) _____ space for movable seating with min. one seat for family member or visitor & one seat for patient
 (b) _____ space for min. one chair for long-term sitting
 (2) _____ family members or visitors permitted to sleep in patient room overnight
 check if not included in project
 _____ space for sleeping accommodation
 (3) _____ public communication services in each patient room

2.2-2.1.3.4 **SPECIAL PATIENT CARE ROOMS**

2.2-2.13.4.2 _____ Airborne infection isolation room
 (1) _____ at least 1 AII room in each pediatric unit

2.1-2.4.2.2 _____
 (1) _____ single-bed room
 (2) _____ provision made for personal protective equipment storage at entrance to room
 (3) _____ handwashing station in each patient room
 2.1-7.2.3.1(6) _____ monolithic floors with integral covered 6" high wall base

Ventilation:
 _____ Min. 12 air changes per hour Table 7.1
 _____ Exhaust
 _____ Negative pressure
 _____ No recirculating room units
 _____ Space ventilation & pressure relationship maintained in event of loss of normal electrical power 4/6.1.1
 _____ Exhaust air from AII rooms, associated anterooms & toilet rooms discharged directly to outdoors 4/7.2.1
 _____ Exhaust grilles or registers located directly above patient bed on ceiling or on wall near head of bed
 _____ Permanent device monitoring differential air pressure between AII room & corridor

2.1-2.4.2.2(4) _____ separate room with toilet, handwashing station & bathtub or shower

Ventilation:
 _____ Min. 10 air changes per hour Table 7.1
 _____ Exhaust

2.1-2.4.2.3 _____ Anteroom
 check if not included in project
 (1) _____ for persons to don personal protective equipment before entering patient room
 (2) _____ all doors to anteroom have self-closing devices

Ventilation:
 _____ Min. 10 air changes per hour Table 7.1
 _____ Exhaust
 _____ Negative pressure to corridor
 _____ No recirculating room units

- AII room under negative pressure to anteroom
 - Anteroom under negative pressure to corridor
- 4/7.2.1

- 2.1-2.4.2.4(1)
- (b) self-closing devices on all room exit doors
 - (c) doors have edge seals

- 2.2-2.13.6 **SUPPORT AREAS INCLUDED IN PEDIATRIC SUB-UNIT**
- 130.740(A)(2)
- Nursing sub-station serving pediatric patients
 - adjacent to the rooms containing beds designated for pediatric patients
 - direct observation of pediatric patient rooms

- 2.2-2.13.6 **SUPPORT AREAS FOR PEDIATRIC & ADOLESCENT UNITS**
(may be shared with adjacent med/surg unit)

- 2.2-2.2.5.3 Location:
- (1) support areas listed are located in or readily accessible* to each nursing unit
 - (3) each support area provided on each nursing floor

- 2.1-2.6.1 Administrative center or nurse station

- 2.1-2.6.1.1
- (1) space for counters
 - (2) at least one handwashing station located in, next to, or directly accessible*

Nurse Call System:
 Master station

Table 2.1-2

- 2.1-2.6.2 Documentation area
- 2.1-2.6.2.1 work surface to support documentation process for number of staff who will use it at same time

Nurse Call System:
 Duty station

Table 2.1-2

- 2.2-2.2.6.3 Nurse or supervisor office
- in or readily accessible* to nursing unit

- 2.1-2.6.4 Multipurpose conference room
- 2.1-2.6.4.1 at least one multipurpose room for each facility for staff, patients & patients' families for patient conferences, reports, education, training sessions & consultation
- 2.1-2.6.4.2 accessible to each nursing unit (may serve several nursing units)

- 2.1-2.6.6 Medication safety zones
- 2.1-2.6.6.1 medication preparation room
- (2) **or**
- self-contained medication dispensing unit

- (a) located out of circulation paths to minimize distraction & interruption
- (c) work counters
- (d) task lighting
- (e) meet acoustic design criteria per 1.2-5.1

2.1-2.6.6.2

- (1) medication preparation room
 - check if not included in project
- (a) under visual control of nursing staff
- (b) work counter
 - handwashing station
 - lockable refrigerator
 - locked storage for controlled drugs
- (c) Sharps Containers:
 - check if not included in project
 - sharps containers placed at height that allows users to see top of container
- (d) space to prepare medicines in addition to any self-contained medicine-dispensing unit
- (2) self-contained medication dispensing units
 - check if not included in project
 - (a) located at nurse station, in clean workroom, in an alcove, or inpatient room
 - lockable unit to secure controlled drugs
 - (b) handwashing station located next to stationary medication-dispensing units
- Mobile Medication-Dispensing Carts:
 - check if not included in project:
 - space in patient rooms to accommodate cart

Ventilation:
 Min. 4 air changes per hour Table 7.1
 Nurse Call System:
 Duty station Table 2.1-2

2.1-2.6.7 Nourishment area or room

2.1-2.6.7.2

- (1) handwashing station
 - (2) work counter
 - (3) refrigerator
 - (4) microwave
 - (5) storage cabinets
 - (6) space for temporary storage of unused & soiled food service implements
- 2.1-2.6.7.3 provisions & space for separate temporary storage of unused & soiled meal trays not picked up at mealtime

Ventilation:
 Min. 2 air changes per hour Table 7.1
 Nurse Call System:
 Duty station Table 2.1-2

2.1-2.6.8 Ice-making equipment

2.1-2.6.8.1

2.1-2.6.8.2

- (1) self-dispensing ice-making equipment in public area
- (2) check if not located in public area

2.1-2.6.9 Clean workroom or clean supply room

2.1-2.6.9.1

- clean workroom used for preparing patient care items
 - (1) work counter
 - (2) handwashing station
 - (3) storage facilities for clean & sterile supplies

Ventilation:
 Min. 4 air changes per hour Table 7.1
 Positive pressure
 Nurse Call System:
 Duty station

or

- 2.1-2.6.9.2 clean supply room used only for storage & holding as part of system for distribution of clean & sterile supplies
- Ventilation:
 Min. 4 air changes per hour Table 7.1
 Positive pressure
- 2.1-2.6.10 Soiled workroom or soiled holding room
- 2.1-2.6.10.1 Soiled workroom
- (1) handwashing station
- (2) flushing-rim clinical service sink with bedpan washer
- (3) work counter
- (4) space for separate covered containers
- Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust
 Negative pressure
- Nurse Call System:
 Duty station
- or**
- 2.1-2.6.10.2 soiled holding room
- (1) handwashing station or hand sanitation station
- (a) space for separate covered containers
- (b) toilet with bedpan washer located in each inpatient toilet room
- Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust
 Negative pressure
- 2.1-2.6.11.1 Clean linen storage
- (1) clean linen stored in clean workroom or clean linen closet
- (2) covered cart distribution system (corridor alcoves may be used)
 check if not included in project
- 2.1-2.6.11.2 Equipment & supply storage room or alcove
- min. 10 sf per patient bed
- 2.1-2.6.11.3 Storage space for stretchers & wheelchairs
- 2.1-2.6.11.4 Emergency equipment storage
- (1) each nursing unit has at least one emergency equipment storage location
- (2) under visual observation of staff
- (3) storage locations in corridors do not infringe on min. required corridor width
- 2.1-2.6.12 Environmental services room
- 2.1-2.6.12.1 serves one or more than one nursing unit on a floor
- (2) readily accessible* to unit it serves
- 2.1-2.6.12.2 service sink or floor-mounted mop sink
- (1) provisions for storage of supplies & housekeeping equipment
- (2) handwashing station or hand sanitation station
- (3) handwashing station or hand sanitation station
- Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust
- 2.1-2.6.8 Ice-making equipment
- 2.1-2.6.8.1 located in an enclosed space
- 2.1-2.6.8.2 self-dispensing ice-making equipment in public area
- (1) self-dispensing ice-making equipment in public area
- (2) check if not located in public area

- 2.2-2.2.6.13 Examination room
 check if not included in project
 (1) (only if all single patient rooms in nursing unit)
 (2) centrally located to serve one or more nursing units on same floor
- 2.1-3.2.2 single-bed examination room
- 2.1-3.2.2.1 **Space Requirements:**
 (1) min. clear floor area of 120 sf with min. clear dimension of 10'-0"
 (2) room size permits min. clearance of 3'-0" at each side & at foot of exam table
 (a) room arrangement permits placement of exam table, recliner, or chair at an angle, closer to one wall than another, or against wall to accommodate type of patient being served
 (b) room arrangement permits placement of exam table, recliner, or chair at an angle, closer to one wall than another, or against wall to accommodate type of patient being served
- 2.1-3.2.2.2 **Room Features:**
 (1) examination light
 (2) storage for supplies
 (3) accommodations for written or electronic documentation
 (4) space for visitor's chair
 (5) handwashing station
- 2.2-2.13.6.4 Multipurpose activity room
 (1) designed for dining, education & developmentally appropriate play & recreation
 located in or adjacent* to areas serving pediatric & adolescent patients rooms
 access & equipment for patients with physical restrictions
 (2) insulation, isolation & structural provisions minimize transmission of impact noise through floor, walls, or ceiling of multipurpose room
- 2.2-2.13.6.7 Formula facilities
 space for preparation & storage of formula
 immediately accessible* to unit
- 2.2-2.13.6.11 **Equipment & Supply Storage:**
 (1) storage closets or cabinets for toys & educational & recreational equipment
 (2) storage space to permit exchange of cribs & adult beds
 (3) storage of equipment & supplies for parents who stay with patient overnight
- 2.2-2.2.7 **SUPPORT AREAS FOR STAFF**
 (may be shared with adjacent med/surg unit)
- 2.2-2.2.5.3 **Location:**
 (1) support areas listed are located in or readily accessible* to each nursing unit
 (3) each support area provided on each nursing floor
- Ventilation:
 Min. 6 air changes per hour Table 7.1
 Power:
 Min. 8 receptacles in room Table 2.1-1
 Min. 4 receptacles convenient to head of stretcher
 Nurse Call System:
 Emergency staff assistance station Table 2.1-2
 Duty station
 Medical Gases:
 1 OX, 1 VAC Table 2.1-4

- 2.1-2.7.1 Staff lounge
 - min. 100 sf
- 2.1-2.7.2 Staff toilet room
 - 2.1-2.7.2.1 readily accessible* to each nursing unit
 - 2.1-2.7.2.2 toilet & handwashing station
- 2.1-2.7.3 Staff storage facilities
 - 2.1-2.7.3.1 securable closets or cabinet compartments for personal articles of staff located in or near nurse station
 - 2.1-2.7.3.2 coat storage
 - check if not included in project:
 - storage of coats in closets or cabinets on each floor or in central staff locker area

Nurse Call System: Table 2.1-2
 Duty station
 Ventilation:
 Min. 10 air changes per hour Table 7.1
 Exhaust

2.2-2.2.8 SUPPORT AREAS FOR PATIENTS, FAMILIES & VISITORS

(may be shared with adjacent med/surg unit)

- 2.2-2.2.5.3 Location:
 - (1) support areas listed are located in or readily accessible* to each nursing unit
 - (3) each support area provided on each nursing floor
- 2.2-2.2.8.1 Family & visitor lounge
 - (2) lounge immediately accessible* to nursing unit served (may serve more than one nursing unit)
 - (4) lounge designed to minimize impact of noise & activity on patient rooms & staff functions
 - (6) public communication services
- 2.2-2.2.8.2 toilet room readily accessible*
- 2.2-2.2.8.3 Place for meditation & prayer
 - dedicated quiet space to support meditation, bereavement, or prayer.
- 2.2-2.13.8.2 Patient toilet room
 - toilet rooms immediately accessible* to multipurpose rooms & to each central bathing facility (in addition to toilet rooms serving bed areas)
 - handwashing station

Architectural Details & MEP Requirements

2.1-7.2.2 ARCHITECTURAL DETAILS

- 2.1-7.2.2.1 CORRIDOR WIDTH:
 NFPA 101 Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width
or
 Code Review Sheet establishing compliance with NFPA 101 has been submitted

- Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear width
- 2.1-7.2.2.2 CEILING HEIGHT:
 (1) Min. ceiling height 7'-6" in corridors & normally unoccupied spaces

- (4) ___ Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds and/or on stretchers
- ___ Min. ceiling height 7'-10" in other areas
- 2.1-7.2.2.3 DOORS & DOOR HARDWARE:
- (1)
- (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
 - ___ code review sheet attached
 - ___ no floor tracks
- (2)
- (a) ___ Min. 45.5" clear door width for patient rooms & diagnostic/treatment areas
- ___ Min. 83.5" clear door height for patient rooms & diagnostic/treatment areas
- (b) ___ Swinging doors for personnel use in addition to sliding doors
 - check if not included in project
- (3) ___ min. clear width 34.5"
- ___ Doors do not swing into corridors (except doors to non-occupiable spaces & doors with emergency breakaway hardware)
- (4)
- (b) ___ Lever hardware
- (5) ___ Doors for patient bathing/toilet facilities
- (a) ___ 2 doors separated by horizontal distance equal to one-half length of max. diagonal room dimension
 - or**
 - ___ door that swings outward
 - or**
 - ___ door equipped with emergency rescue hardware
 - or**
 - ___ sliding door
- ___ toilet room door opening in public area or corridor maintains visual privacy
- ___ bathing room door opening in corridor maintains visual privacy
- 2.1-7.2.2.5 WINDOWS IN PATIENT ROOMS:
- (1) ___ Natural light by means of window to outside
- (3) ___ Min. net glazed area no less than 8%
- (a) ___ of floor area of room served

- (2) ___ Operable windows
 - check if not included in project
 - ___ operation limited with either stop limit/restrictor hardware or open guard/screen
 - ___ insect screens
- 2.1-7.2.2.6
- 2.1-7.2.2.7 GLAZING MATERIALS:
- (2) ___ Safety glass-tempered or plastic glazing materials used for shower doors & bath enclosures
 - check if not included in project
- (4) ___ Glazing within 18" of floor
 - check if not included in project
 - ___ safety glass, wire glass or plastic break-resistant material
- 2.1-7.2.2.8 HANDWASHING STATIONS:
- (1) ___ Handw. stations in patient care areas located to be visible & unobstructed
- (3) ___ anchoring suitable for vertical or horizontal force of 250 lbs.
- (4) Handwashing Station Countertops:
 - check if not included in project
- (a) ___ porcelain, stainless steel or solid surface materials
- (b) ___ plastic laminate countertops
 - check if not included in project
 - ___ substrate marine-grade plywood (or equivalent) with impervious seal
- (5) ___ Designed to prevent storage beneath sink
- (6) ___ provisions for drying hands
- (a) ___ hand-drying device does not require hands to contact dispenser
- (d) ___ directly accessible* to sinks
- (7) ___ Liquid or foam soap dispensers
- 2.1-7.2.2.9 GRAB BARS:
- (2) ___ Grab bars anchored to sustain concentrated load of 250 lbs.
- 2.1-7.2.2.10 HANDRAILS:
- (1) ___ Handrails installed on both sides of patient use corridors
- (3) ___ Rail ends return to wall or floor
- (4) ___ Smooth non-textured surface free of rough edges
- (5) ___ Eased edges & corners
- (6) ___ Finishes cleanable

- 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
 (2) ___ Partitions, floors & ceiling construction in patient areas conform to Table 1.2-6

2.1-7.2.3 SURFACES

- 2.1-7.2.3.1 **FLOORING & WALL BASES:**
 (1) ___ Selected flooring surfaces cleanable & wear-resistant for location
 (2) ___ Smooth transitions between different flooring materials
 (3) ___ Flooring surfaces, including those on stairways, stable, firm & slip-resistant
 (b) ___ Carpet
 check if not included in project
 ___ provides stable & firm surface
 (4) ___ Floors & wall bases of soiled workrooms, toilet rooms & other wet cleaned areas are not physically affected by cleaning solutions

- 2.1-7.2.3.2 **WALLS & WALL PROTECTION:**
 (1)
 (a) ___ Washable wall finishes
 (b) ___ Wall finishes near plumbing fixtures smooth, scrubbable & water-resistant
 (2) ___ Monolithic wall surfaces in areas routinely subjected to wet spray or splatter

- 2.1-7.2.3.3 **CEILING:**
 (1) ___ Ceilings in areas occupied by patients & in clean rooms & soiled rooms:
 (a) ___ cleanable with routine housekeeping equipment
 (b) ___ acoustic & lay-in ceilings
 check if not included in project
 ___ do not create ledges or crevices

2.1-8.2 HEATING, VENTILATION, & AIR-CONDITIONING (HVAC) SYSTEMS

- 4/6.3.1 **Outdoor Air Intakes:**
 4/6.3.1.1 ___ Located min. 25 feet from cooling towers & all exhaust & vent discharges
 ___ Bottom of air intake is at least 6'-0" above grade
 4/6.3.1.2 **Roof Mounted Air Intakes:**
 check if not included in project
 ___ bottom min. 3'-0" above roof level

- 4/6.3.2 **Exhaust Discharges for Infectious Exhaust Air:**
 check if not included in project
 ___ Ductwork under negative pressure (except in mechanical room)
 ___ Discharge in vertical direction at least 10'-0" above roof level
 ___ Located not less than 10'-0" horizontally from air intakes & operable windows/doors

- 4/6.4 **Filtration:**
 ___ Filter banks conform to Table 6.4
 4/6.4.1 ___ Filter Bank #1 placed upstream of heating & cooling coils
 4/6.4.2 ___ Filter Bank No. 2 installed downstream of cooling coils & supply fan

- 4/6.5 **Heating & Cooling Systems:**
 4/6.5.3 ___ no radiators or convectors in special care areas

- 4/6.7 **Air Distribution Systems:**
 4/6.7.1 ___ Ducted return or exhaust systems in spaces listed in Table 7.1 with required pressure relationships
 ___ Ducted return or exhaust systems in inpatient care areas

- 4/6.7.3 **Smoke & Fire barriers:**
 ___ HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers

- 4/6.8 **Energy Recovery Systems:**
 4/6.8.2 ___ Exhaust systems serving potentially contaminated rooms are not used for energy recovery

- 4/6.9 **Duct Lining:**
 ___ No duct lining in ductwork located downstream of Filter Bank #2

- 4/7. **Space Ventilation:**
 4/7.1 ___ Spaces ventilated per Table 7.1
 ___ Air movement from clean areas to less clean areas
 ___ Min. number of total air changes indicated either supplied for positive pressure rooms or exhausted for negative pressure rooms
 ___ Recirculating room HVAC units
 check if not included in project
 ___ each unit serves only single space
 ___ min. MERV 6 filter for airflow downstream of cooling coils

2.1-8.2.1.1 Acoustic Considerations:
 (5) Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade

2.1-8.2.1.2 Ventilation & Space-Conditioning:
 (1) All rooms & areas used for patient care have provisions for ventilation
 (2) Natural ventilation only provided in non-sensitive areas & patient rooms via operable windows
 check if not included in project
 Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4

2.1-8.3 **ELECTRICAL SYSTEMS**

2.1-8.3.2 **ELECTRICAL DISTRIBUTION & TRANSMISSION**

2.1-8.3.2.1 Switchboards Locations:
 (1)
 (a) Located in areas separate from piping & plumbing equipment
 (b) Not located in rooms they support
 Accessible to authorized persons only
 (c) Located in dry, ventilated space free of corrosive gases or flammable material

2.1-8.3.2.2 Panelboards:
 (1) Panelboards serving life safety branch emergency circuits only serve same floor, floor above & floor below
 (2) Panelboards serving critical branch emergency circuits only serve same floor
 (3) New panelboards not located in exit enclosures

2.1-8.3.3.1 **EMERGENCY ELECTRICAL SERVICE**

(1) Emergency power per NFPA 99, NFPA 101 & NFPA 110

2.1-8.3.4 **LIGHTING**

2.1-8.3.4.2 Light fixtures in wet areas have smooth, cleanable, shatter-resistant lenses & no exposed lamps

2.1-8.3.4.3 (1) Patient Rooms:
 general lighting

(a) reading light for each patient
 controls accessible to patient in bed
 light source covered by diffuser or lens
 flexible light arms
 check if not included in project
 designed to prevent lamp from contacting bed linen
 (b) night lighting (except ICU rooms)
 switch in patient room
 lights path from room entrance to bed
 lights path from bed to toilet
 (c) lighting for ICU bed areas permits staff observation of patient & minimize glare

(2) Nursing Unit Corridors:
 general illumination with reduced light levels at night
 (3) Exam/Treatment Rooms:
 portable or fixed exam light

2.1-8.3.5 **ELECTRICAL EQUIPMENT**

2.1-8.3.5.2 Required handwashing station or scrub sink tied to building electrical service
 check if not included in project
 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 installed approx. 50'-0" apart
 duplex grounded receptacles installed approx. within 25'-0" of corridor ends
 (2) receptacles in pediatric unit corridors of tamper-resistant type

2.1-8.3.6.2 Receptacles in Patient Care Areas:
 receptacles provided according to Table 2.1-1

2.1-8.3.6.3 Emergency System Receptacles:
 distinctively colored or marked for identification

2.1-8.3.7 **CALL SYSTEMS**

Nurse call equipment legend includes patient stations, bath stations, staff emergency stations & code call stations

- 2.1-8.3.7.1
 - (1) Nurse call system locations provided as required in Table 2.1-2
 - (2) Nurse call systems report to attended location with electronically supervised visual & audible signals
 - (4) Call systems meet requirements of UL 1069 *Standard for Hospital Signaling & Nurse Call Equipment*
 - (5) Wireless system
 - check if not included in project
 - meet requirements of UL 1069

- 2.1-8.3.7.2 Patient Call Stations:
 - (1) each patient sleeping bed, except nursery beds, provided with patient call station equipped for two-way voice communication
 - (2)
 - (a) visible signal once call station has been activated
 - (b) reset switch for canceling call
 - (3) visible signal in corridor at patient room door
 - (a) additional visible signals installed at corridor intersections
 - (b) visible & audible signal at nurse call duty stations in clean workroom, soiled workroom, medication preparation room, documentation area or other charting facilities, nourishment area, nurse master station of nursing unit or patient care area
 - (4) call stations in diagnostic & treatment areas per Table 2.1-2

- 2.1-8.3.7.3 Bath Stations:
 - provided at each patient toilet, bathtub or shower stall
 - (1) alarm turned off only at bath station where it was initiated
 - (2) located 5'-0" to 6'-0" above floor in shower stalls & tubs, within normal view of user
 - within reach of staff without need to step into shower or tub
 - (3) located to side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor
 - accessible to both toilet & shower

- 2.1-8.3.7.4 Staff emergency stations for summoning local staff assistance for non-life-threatening situations at each patient care location

- 2.1-8.3.7.5 Code call station equipped with continuous audible or visual signal at point of origin

- 2.1-8.4.2 **PLUMBING & OTHER PIPING SYSTEMS**
- 2.1-8.4.2.5 Heated Potable Water Distribution Systems:
 - (2) Systems serving patient care areas are under constant recirculation
 - Non-recirculated fixture branch piping does not exceed 25'-0" in length
 - (3) No dead-end piping
 - (4) Water-heating system has supply capacity at minimum temperatures & amounts indicated in Table 2.1-3
 - (5) handwashing stations supplied as required above

or

 - handwashing stations supplied at constant temperature between 70°F & 80°F using single-pipe supply

- 2.1-8.4.2.6 Drainage Systems:
 - (1) Drainage piping above ceiling of, or exposed in electric closets
 - check if not included in project
 - special provisions to protect space below from leakage & condensation

- 2.1-8.4.3 **PLUMBING FIXTURES**
- 2.1-8.4.3.1
 - (1) Materials material used for plumbing fixtures non-absorptive & acid resistant
- 2.1-8.4.3.2 Handwashing Station Sinks:
 - (1) basins reduce risk of splashing to areas where direct patient care is provided, sterile procedures are performed & medications are prepared
 - (2) basin min. 144 square inches
 - min. dimension 9 inches
 - (3) made of porcelain, stainless steel, or solid-surface materials
 - (5) water discharge point of faucets at least 10 inches above bottom of basin
 - (7) anchoring for sinks withstands min. vertical or horizontal force of 250 lbs.
 - (8) fittings operated without using hands for sinks used by medical & nursing staff, patients & public

- (a)
 - blade handles or single lever
 - min. 4 inches long
 - provide clearance required for operation
- or
- (b)
 - sensor-regulated water fixtures
 - meet user need for temperature & length of time water flows
 - designed to function at all times & during loss of normal power

2.1-8.4.3.3 Showers & Tubs:
 check if not included in project

(1) nonslip walking surfaces

2.1-8.4.3.4 Ice-Making Equipment:
 copper tubing provided for supply connections

2.1-8.4.3.5 Clinical Sinks:
 check if not included in project

(1) trimmed with valves that can be operated without hands

(2) handles min. 6 inches long
 integral trap wherein upper portion of water trap provides visible seal

2.1-8.4.3.7 Bedpan Washers:
 (1) bedpan washer provided in each inpatient toilet room

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

Station outlets provided as indicated in Table 2.1-4

2.1-8.4.4.2 (2) Vacuum discharge at least 25'-0" from all outside air intakes, doors & operable windows

2.1-8.6.2 **ELECTRONIC SURVEILLANCE SYSTEMS**

check if not included in project

2.1-8.6.2.1 Devices in patient areas mounted in unobtrusive & tamper-resistant enclosures

2.1-8.6.2.2 Monitoring devices not readily observable by general public or patients

2.1-8.6.2.3 Receive power from emergency electrical system