COMPLIANCE CHECKLIST

IP10 Pediatric & Adolescent 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 2018 Edition of the FGI Guidelines for Design and Construction of Hospitals. Applicants must verify compliance of the plans submitted to the Department with all referenced requirements from the Licensure Regulations and FGI Guidelines when completing this Checklist. A separate Checklist must be completed for each nursing unit, hospital or clinic department, or clinical suite.

Other jurisdictions, regulations and codes may have additional requirements which are not included in this checklist, such as:
- 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.
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: ________________________________
Facility Address: ________________________________
Satellite Name: (if applicable) ________________________________
Satellite Address: (if applicable) ________________________________
Project Description: ____________________________________________

DoN Project Number: (if applicable)
Patient Care Unit Bed Complements:
Current = __________ Proposed = __________
Building/Floor Location: ________________________________
Submission Dates:
Initial Date: ________________________________
Revision Date: ________________________________

MDPH/DHCFLC 12/18 IP10
Architectural Requirements

2.2-2.11
**DISCRETE PEDIATRIC & ADOLESCENT PATIENT CARE UNIT**
☐ check if not included in project

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

2.2-2.11.2
**PATIENT ROOM**
2.2-2.11.2.1
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

2.2-2.11.2.2
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

2.2-2.2.2.2
(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

2.2-2.11.2.3
Windows in Patient Rooms:
2.1-7.2.2.5(1) ___ each patient room provided with natural light by means of window to outside

Building Systems Requirements

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Table 7.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ Min. 4 air changes per hour</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lighting:</th>
<th>2.1-8.3.4.3(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ General lighting</td>
<td></td>
</tr>
<tr>
<td>___ Reading light for each patient bed</td>
<td></td>
</tr>
<tr>
<td>(a) controls accessible to patients in bed</td>
<td></td>
</tr>
<tr>
<td>___ Night-light located in each patient room</td>
<td></td>
</tr>
<tr>
<td>(b) no central control of night-lights outside room</td>
<td></td>
</tr>
<tr>
<td>___ Night-light illuminates path from room entrance to bedside</td>
<td></td>
</tr>
<tr>
<td>___ Night-light illuminates path between bed &amp; toilet room</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power:</th>
<th>Table 2.1-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ Min. 12 receptacles in total</td>
<td></td>
</tr>
<tr>
<td>___ Min. 2 receptacles at each side of the head of the bed</td>
<td></td>
</tr>
<tr>
<td>___ Min. 2 receptacles on all other walls (not including any TV receptacle)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Nurse Call System:</th>
<th>Table 2.1-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ Patient station</td>
<td></td>
</tr>
<tr>
<td>___ Staff assistance station</td>
<td></td>
</tr>
<tr>
<td>___ Emergency call station</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medical Gases:</th>
<th>Table 2.1-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>___ 1 OX, 1 VAC per bed</td>
<td></td>
</tr>
</tbody>
</table>
Architectural Requirements

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

2.1-7.2.2.5(3)(a)
min. net glazed area be no less than 8%
of required min. clear floor area

2.1-7.2.2.5(3)(b)
max. 36” windowsill height above
finished floor

2.2-2.2.2.7 Patient Bathing Facilities:
(1)(a)
located in toilet room directly
accessible* from each patient room
or
(1)(b)
located in central bathing facility

(2)
Central Bathing Facilities:
☐ check if not included in project
(a)
each bathtub or shower in individual
room or enclosure that provides
privacy for bathing drying & dressing
(b)
at least one shower or bathtub
provided for each patient care unit
(at least one bathing facility with
space for attendant to
accommodate patients on gurneys,
carts & wheelchairs (may be shared
with multiple patient care units
located on separate floors)
(c)
outlet in separate enclosure in or
directly accessible to each central
bathing facility
handwashing sink in or directly
accessible to each central bathing
facility
storage for soap & towels in or
directly accessible to each central
bathing facility

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

Nurse Call System:
☐ Bath station

Mobile Lifts, Shower Gurney
Devices & Wheelchair Access:
(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

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

Nurse Call System:
☐ Bath station
Architectural Requirements

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

(d) floor drain gratings be designed
   to facilitate use & prevent
   tipping of wheelchairs & other
   portable wheeled equipment

Building Systems Requirements

2.2-2.2.8 Patient Storage:
2.1-2.8
   separate wardrobe, locker, or closet
   suitable for garments & for storing
   personal effects

2.2-2.11.3 Family Support Provisions:
   check if not included in project
   additional provisions for hygiene,
   toilets, sleeping & personal belongings
   be made where parents will be allowed
   to remain with children

2.2-2.7.2.2(1) space at each bedside for families &
   visitors
   in addition to space provided for
   staff
   space provided for parental
   accommodations & for movable
   furniture does not encroach on
   minimum clearance requirements

2.2-2.11.4 SPECIAL PATIENT CARE ROOMS
2.2-2.11.4.2 Airborne infection isolation (AII) room
   at least one AII room be provided in
   each pediatric unit

2.1-2.4.2.2 complies with requirements applicable
   to patient rooms
   capacity one bed
   personal protective equipment (PPE)
   storage at entrance to room
   handwashing station
   patient toilet room
   serves only one AII room
   bathtub or shower

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

2.1-2.4.2.3 Anteroom
   check if not included in project
   provides space for persons to don
   personal protective equipment (PPE) before entering patient room
   all doors to anteroom have
   self-closing devices
   audible alarm activated when AII
   room is in use as isolation room

Ventilation:
   Min. 10 air changes per hour Table 7.1
   Exhaust
   No recirculating room units
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3)(a)</td>
<td>handwashing station</td>
</tr>
<tr>
<td>(3)(b)</td>
<td>storage for unused PPE</td>
</tr>
<tr>
<td>(3)(c)</td>
<td>disposal/holding container for used PPE</td>
</tr>
</tbody>
</table>

#### Architectural Details & Furnishings:

- **2.1-2.4.2.4**
  - (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 \( \Lambda I I \) room is in use as isolation room
  - edge seals provided along sides & top of doorframe for any door into \( \Lambda I I \) room

- **2.1-2.4.2.5**
  - window treatments do not include fabric drapes & curtains
  - room pressure visual or audible alarm

### Building Systems Requirements

- **2.2-2.11.8**
  - SUPPORT AREAS FOR PEDIATRIC & ADOLESCENT UNITS

- **2.2-2.11.8.1**
  - Support areas provided on each patient care unit floor (permitted to are arranged & located to serve more than one patient care unit)

- **2.2-2.2.8.2**
  - Administrative center or nurse station
  - Nurse Call System:
    - Nurse master station

- **2.1-2.8.1(1)**
  - space for counters
- **2.1-2.8.1(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

- **2.2-2.2.8.3**
  - Documentation area

- **2.2-2.8.3.1**
  - work surface to support documentation process

- **2.2-2.2.8.4**
  - Nurse or supervisor office

Nurse Call System:

- Duty station (light/sound signal)

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### Architectural Requirements

**2.2-2.2.8.5**  
___ Multipurpose room

**2.1-2.8.5**  
___ at least one multipurpose room for each 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)**  
(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

<table>
<thead>
<tr>
<th>2.1-2.8.8.2(1)</th>
<th>___ medication preparation room</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>under visual control of nursing staff</td>
</tr>
<tr>
<td>(b)</td>
<td>work counter</td>
</tr>
<tr>
<td></td>
<td>handwashing station</td>
</tr>
<tr>
<td></td>
<td>lockable refrigerator</td>
</tr>
<tr>
<td></td>
<td>locked storage for controlled drugs</td>
</tr>
<tr>
<td></td>
<td>sharps containers</td>
</tr>
<tr>
<td></td>
<td>☐ check if not included in project</td>
</tr>
<tr>
<td></td>
<td>self-contained medication-dispensing unit</td>
</tr>
<tr>
<td></td>
<td>☐ check if not included in project</td>
</tr>
<tr>
<td></td>
<td>room designed with space to prepare medications</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.1-2.8.8.2(2)</th>
<th>___ automated medication-dispensing unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>located at nurse station, in clean workroom or in alcove</td>
</tr>
<tr>
<td>(c)</td>
<td>handwashing station located next to stationary medication-dispensing units or stations</td>
</tr>
</tbody>
</table>

**2.2-2.2.9**  
___ Nourishment area or room

**2.1-2.8.9.2**  
(1) ___ handwashing station

(2) ___ work counter

(3) ___ refrigerator

### Building Systems Requirements

**Lighting:**

| 2.1-2.8.8.1(2)(d) | ___ Task lighting |

**Ventilation:**

| Table 7.1 | ___ Min. 4 air changes per hour |

**Nurse Call System:**

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

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 located next to stationary medication-dispensing units or stations |

**Nurse Call System:**

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

**Ventilation:**

| Table 7.1 | ___ Min. 2 air changes per hour |

**Nurse Call System:**

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

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### Architectural Requirements

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>(4)</td>
<td>____ microwave</td>
</tr>
<tr>
<td>(5)</td>
<td>____ storage cabinets</td>
</tr>
<tr>
<td>(6)</td>
<td>____ space for temporary storage of food service implements</td>
</tr>
</tbody>
</table>

2.1-2.8.9.3 | ____ provisions & space are included for separate temporary storage of unused & soiled meal trays |

2.2-2.8.10 | ____ Ice-making equipment located in each patient care unit |
|           | ____ equipment to provide ice for treatments & for nourishment |

2.2-2.8.11 | ____ Clean workroom or clean supply room
2.1-2.8.11.2 | ____ clean workroom used for preparing patient care items |
|           | ____ work counter |
|           | ____ handwashing station |
|           | or storage facilities for clean & sterile supplies |

2.1-2.8.11.3 | ____ clean supply room used only for storage & holding as part of system for distribution of clean & sterile supplies |

2.2-2.8.12 | ____ 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 |
| (2) | ____ space for separate covered containers for waste & soiled linen |

### Building Systems Requirements

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>Ventilation:</td>
</tr>
<tr>
<td></td>
<td>____ Min. 4 air changes per hour Table 7.1</td>
</tr>
<tr>
<td></td>
<td>____ Positive pressure</td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td>____ Duty station (light/sound signal) Table 2.1-2</td>
</tr>
</tbody>
</table>

2.1-2.8.12.3 | Ventilation: |
| (1) | ____ Min. 10 air changes per hour Table 7.1 |
| (2) | ____ Exhaust |
| (a) | ____ Negative pressure |
| (b) | ____ No recirculating room units |
| Nurse Call System: | ____ Duty station (light/sound signal) Table 2.1-2 |

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>Ventilation:</td>
</tr>
<tr>
<td></td>
<td>____ Min. 10 air changes per hour Table 7.1</td>
</tr>
<tr>
<td>(1)</td>
<td>____ Exhaust</td>
</tr>
<tr>
<td>(2)</td>
<td>____ Negative pressure</td>
</tr>
<tr>
<td>(a)</td>
<td>____ No recirculating room units</td>
</tr>
</tbody>
</table>
2.1-2.8.13.1 Clean linen storage
(1) stored in clean workroom

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 in corridors do not

encroach on minimum required corridor

width

2.1-2.8.14 Environmental services room

Ventilation:

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)

Table 7.1

Min. 10 air changes per hour

Exhaust

Negative pressure

No recirculating room units

2.1-2.8.14.2 service sink or floor-mounted mop sink

(2) provisions for storage of supplies &

housekeeping equipment

(3) handwashing station

or

hand sanitization station

2.2-2.11.8.15 Examination room

(1) check if not included in project

(only if all patient rooms in patient care unit

are single-patient rooms)

designed for single patient

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

2.1-3.2.2.1 Space Requirements: Ventilation:
### Architectural Requirements

1. **min. clear floor area 120 sf**
2. **min. clear dimension 10'-0"**
3. **room size permits room arrangement with min. clearance 3'-0" at each side & at foot of exam table**
4. **Room arrangement (layout #1) shown in the plans**
5. **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**
6. **Check if not included in project**
7. **Room arrangement (layout #2) shown in the plans**

### Building Systems Requirements

1. **Min. 6 air changes per hour**
2. **Portable or fixed exam light**
3. **Min. 8 receptacles in total**
4. **Min. 4 receptacles convenient to head of gurney or bed**
5. **Staff assistance station**
6. **Emergency call station**

### Table 2.1-1

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td></td>
<td>** Multipurpose activity room</td>
</tr>
<tr>
<td>(2)</td>
<td></td>
<td>** Infant feeding facilities</td>
</tr>
<tr>
<td>(3)</td>
<td></td>
<td>** Equipment &amp; supply storage</td>
</tr>
<tr>
<td>(4)</td>
<td></td>
<td>** Support areas for staff</td>
</tr>
</tbody>
</table>

#### 2.2-2.11.8.5
- Multipurpose activity room
  - For dining, education, and developmentally appropriate play & recreation
  - Provided in or adjacent to areas serving pediatric & adolescent patients
- Provides access & accommodates equipment for patients with physical restrictions
- Insulation & structural provisions to minimize transmission of impact noise through floor, walls or ceiling of multipurpose room

#### 2.2-2.11.8.9
- Infant feeding facilities
  - Storage for human milk & formula be provided

#### 2.2-2.11.8.13
- Equipment & supply storage
  - Storage closets or cabinets for toys & educational & recreational equipment
  - Storage space provided in facility to permit exchange of cribs & adult beds
  - Provisions for storage of equipment & supplies for parents who stay with patient overnight

#### SUPPORT AREAS FOR STAFF

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.9.1</td>
<td></td>
<td>Staff lounge</td>
</tr>
<tr>
<td>2.1-2.9.2</td>
<td></td>
<td>Staff toilet room (permitted to be unisex)</td>
</tr>
<tr>
<td>2.1-2.9.2.1</td>
<td></td>
<td>Readily accessible* to each patient care unit</td>
</tr>
<tr>
<td>2.1-2.9.2.2</td>
<td></td>
<td>Toilet &amp; handwashing station</td>
</tr>
<tr>
<td>2.1-2.9.3</td>
<td></td>
<td>Staff storage facilities</td>
</tr>
</tbody>
</table>

### Ventilation:
- Min. 10 air changes per hour
- Exhaust
- Negative pressure
- No recirculating room units
### Architectural Requirements

#### 2.1-2.9.3.1
- Secure securable closets or cabinet compartments for personal articles of staff located in or near nurse station

#### 2.2-2.11.10 **SUPPORT AREAS FOR PATIENTS**

**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(1)**
- Accommodates at minimum 3 chairs & 1 wheelchair space

**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**
- Toilet room
  - Handwashing station
  - Readily accessible* to multipurpose room
  - Immediately accessible* to patient toilet rooms
  - Immediately accessible* to each central bathing

**2.2-2.2.2.10.4**
- Place for meditation & prayer
  - At least one dedicated quiet space to support meditation, bereavement, or prayer

#### 2.2-2.11.10.2
- Patient toilet rooms (in addition to toilet rooms serving bed areas)
  - Handwashing stations
  - Immediately accessible* to multipurpose room
  - Immediately accessible* to each central bathing

### Building Systems Requirements

**Communications:**
- Public communication services provided in each family & visitor lounge

**Ventilation:**
- Min. 10 air changes per hour
- Exhaust
- Negative pressure
- No recirculating room units
ARCHITECTURAL REQUIREMENTS

2.2-2.11 PEDIATRIC SUB-UNIT
☐ check if not included in project

130.740(A)(2) Location:
____ discrete sub-unit is located within an adult care unit
____ discrete sub-unit contains beds permanently designated as pediatric beds

130.740(A)(2)(a) ____ such pediatric beds are located in a specific room, or contiguous specific rooms

130.740(A)(2)(d) ____ pediatric sub-unit is situated in such a way that the flow of adult patients through it is discouraged

2.2-2.11.2 PATIENT ROOM

2.2-2.11.2.1 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

2.2-2.11.2.2 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

BUILDING SYSTEMS REQUIREMENTS

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 bed
____ controls accessible to patients in bed (a)

____ Night-light located in each patient room
____ no central control of night-lights outside room (b)
____ night-light illuminates path from room entrance to bedside
____ night-light illuminates path between bed & toilet room

Power:
____ Min. 12 receptacles in total Table 2.1-1
____ Min. 2 receptacles at each side of the head of the bed
### Architectural Requirements

- **(2)(b)** min. clearance 4'-0" at foot of each bed to permit passage of equipment & beds

#### Windows in Patient Rooms:

- **2.2-2.11.2.3**
  - **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

- **2.1-7.2.2.6** insect screens

- **2.1-7.2.2.5(3)**
  - **(a)** min. net glazed area be no less than 8% of required min. clear floor area
  - **(b)** max. 36" windowsill height above finished floor

#### Patient Bathing Facilities:

- **2.2-2.2.2.7**
  - **(1)(a)** located in toilet room
    - directly accessible from each patient room
  - **(1)(b)** located in central bathing facility

- **(2)**
  - **(a)** each bathtub or shower in individual room or enclosure that provides privacy for bathing drying & dressing
  - **(b)** at least one shower or bathtub provided for each patient care unit
  - at least one bathing facility with space for attendant to accommodate patients on gurneys, carts & wheelchairs (may be shared with multiple patient care units located on separate floors)

- **(c)** toilet in separate enclosure in or directly accessible to each central bathing facility
  - handwashing sink in or directly accessible to each central bathing facility
  - storage for soap & towels in or directly accessible to each central bathing facility

### Building Systems Requirements

- **Architectural Requirements**
  - Min. 2 receptacles on all other walls (not including any TV receptacle)

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

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

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

- **Nurse Call System:**
  - **Table 2.1-2**
    - Bath station
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3) Mobile Lifts, Shower Gurney Devices &amp; Wheelchair Access:</td>
<td></td>
</tr>
<tr>
<td>(a)  ____ doorways designed to allow entry of portable/mobile mechanical lifts &amp; shower gurney devices</td>
<td></td>
</tr>
<tr>
<td>(b)  ____ thresholds designed to facilitate use &amp; prevent tipping of wheelchairs &amp; other portable wheeled equipment</td>
<td></td>
</tr>
<tr>
<td>(c)  ____ patient shower rooms designed to allow entry of portable/mobile mechanical lifts &amp; shower gurney devices</td>
<td></td>
</tr>
<tr>
<td>(d)  ____ floor drain grates be designed to facilitate use &amp; prevent tipping of wheelchairs &amp; other portable wheeled equipment</td>
<td></td>
</tr>
</tbody>
</table>

### 2.2-2.2.8 Patient Storage:
- 2.1-2.2.8  ____ separate wardrobe, locker, or closet suitable for garments & for storing personal effects

### 2.2-2.11.3 Family Support Provisions:
- 2.2-2.11.3  ____ check if not included in project
- 2.2-2.11.4  ____ additional provisions for hygiene, toilets, sleeping & personal belongings be made where parents will be allowed to remain with children
- 2.2-2.7.2.2(1)  ____ space at each bedside for families & visitors
  - 2.2-2.7.2.2(1)  ____ in addition to space provided for staff
  - 2.2-2.7.2.2(1)  ____ space provided for parental accommodations & for movable furniture does not encroach on minimum clearance requirements

### 2.2-2.11.4 SPECIAL PATIENT CARE ROOMS

#### 2.2-2.11.4.2 Airborne infection isolation room
- 2.2-2.11.4.2  ____ at least one AII room be provided in pediatric sub-unit

#### 2.1-2.4.2.2
- 2.1-2.4.2.2  ____ complies with requirements applicable to patient rooms
  - 2.1-2.4.2.2  ____ capacity one bed
  - 2.1-2.4.2.2  ____ personal protective equipment (PPE) storage at entrance to room
  - 2.1-2.4.2.2  ____ handwashing station
**Architectural Requirements**

(4) **patient toilet room**
   - serves only one AII room
(5) **bathtub or shower**

2.1-2.4.2.3 **Anteroom**
   - ☐ check if not included in project
   - ☐ provides space for persons to don personal protective equipment (PPE) before entering patient room
(2) **all doors to anteroom have self-closing devices**
   - or
     - ☐ audible alarm activated when AII room is in use as isolation room
(3)(a) **handwashing station**
(3)(b) **storage for unused PPE**
(3)(c) **disposal/holding container for used PPE**

2.1-2.4.2.4 **Architectural Details & Furnishings:**
(1)(a) **perimeter walls ceiling & floor including penetrations constructed to prevent air exfiltration**
(1)(b) **self-closing devices on all room exit doors**
   - or
     - ☐ activation of audible alarm when AII room is in use as isolation room
(2)(a) **window treatments do not include fabric drapes & curtains**

2.1-2.4.2.5 **room pressure visual or audible alarm**

130.740(A)(2)(b) **NURSE STATION OR SUB-STATION**
   - Nurse station or sub-station serves pediatric patients
   - adjacent* to the room(s) containing beds designated for pediatric patients
   - observation of these rooms is possible from the nurse station or sub-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*

**Building Systems Requirements**

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

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

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MULTIPURPOSE ACTIVITY ROOM</strong></td>
<td>— Pediatric sub-unit has an area or areas that are used primarily for recreation or play and equipped with items appropriate for the pediatric patients of the age using the areas</td>
</tr>
<tr>
<td><strong>Multipurpose activity room</strong></td>
<td>— multipurpose activity room for dining education &amp; developmentally appropriate play &amp; recreation</td>
</tr>
<tr>
<td></td>
<td>— provided in or adjacent* to areas serving pediatric &amp; adolescent patients</td>
</tr>
<tr>
<td></td>
<td>(1) provides access &amp; accommodates equipment for patients with physical restrictions</td>
</tr>
<tr>
<td></td>
<td>(2) insulation &amp; structural provisions to minimize transmission of impact noise through floor, walls or ceiling of multipurpose room</td>
</tr>
<tr>
<td><strong>OTHER SUPPORT AREAS FOR PEDIATRIC SUB-UNIT</strong></td>
<td>(may be shared with adjacent* med/surg adult unit)</td>
</tr>
<tr>
<td><strong>Center for reception &amp; communication</strong></td>
<td>— self-contained or combined with administrative center or nurse station</td>
</tr>
<tr>
<td><strong>Documentation area</strong></td>
<td>— work surface to support documentation process</td>
</tr>
<tr>
<td><strong>Nurse or supervisor office</strong></td>
<td>— Nurse Call System: __ Duty station (light/sound signal) 2.1-8.5.1.2(3)(b)</td>
</tr>
<tr>
<td><strong>Multipurpose room</strong></td>
<td>— at least one multipurpose room for each facility for patient conferences, reports, education, training sessions &amp; consultation (may serve several patient care units &amp; departments)</td>
</tr>
<tr>
<td><strong>Handwashing station</strong></td>
<td>— located in each room where hands-on patient care is provided</td>
</tr>
</tbody>
</table>

### Building Systems Requirements
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.2.2.8.8</strong></td>
<td><strong>Building Systems Requirements</strong></td>
</tr>
<tr>
<td>Medication safety zones</td>
<td></td>
</tr>
<tr>
<td>Design Promoting Safe Medication Use:</td>
<td></td>
</tr>
<tr>
<td>(a)</td>
<td></td>
</tr>
<tr>
<td><em>medication safety zones located out of circulation paths</em></td>
<td></td>
</tr>
<tr>
<td>(b)</td>
<td></td>
</tr>
<tr>
<td><em>work space designed so that staff can access information &amp; perform required tasks</em></td>
<td></td>
</tr>
<tr>
<td>(c)</td>
<td></td>
</tr>
<tr>
<td><em>work counters provide space to perform required tasks</em></td>
<td></td>
</tr>
<tr>
<td>(e)</td>
<td></td>
</tr>
<tr>
<td><em>sharps containers placed at height that allows users to see top of container</em></td>
<td></td>
</tr>
<tr>
<td>(f)</td>
<td></td>
</tr>
<tr>
<td><em>max. 45 dBA noise level caused by building systems</em></td>
<td></td>
</tr>
</tbody>
</table>

| **2.1-2.8.8.2(1)** |  |
| _medication preparation room_ |  |
| (a) |  |
| _under visual control of nursing staff_ |  |
| (b) |  |
| _handwashing station_ |  |
| _lockable refrigerator_ |  |
| _locked storage for controlled drugs_ |  |
| □ _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_ |  |

|  | **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 located next to stationary medication-dispensing units or stations_ |  |

| **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 are included for separate temporary storage of unused & soiled meal trays_ |  |
### Architectural Requirements

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
</tr>
</thead>
</table>
| 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  
  ____ clean workroom  
  ____ used for preparing patient care  
  items  
  ____ work counter  
  ____ handwashing station  
  (1)  
  (2)  
  (3)  
  or  
  2.1-2.8.11.2 |  
  ________ storage facilities for clean & sterile supplies  
  Ventilation:  
  ____ Min. 4 air changes per hour  
  Table 7.1  
  ____ Positive pressure |
| 2.1-2.8.11.3 |  
  ________ 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 |
| 2.2-2.2.8.12 | Soiled workroom or soiled holding room  
  ____ soiled workroom  
  (1)(a)  
  (1)(b)  
  (1)(c)  
  (1)(d)  
  (2)  
  (a)  
  (b)  
  or  
  2.1-2.8.12.2 |  
  ____ space for separate covered  
  containers for waste & soiled linen  
  ____ fluid management system is used  
  ☐ check if not included in project  
  ____ electrical & plumbing  
  connections that meet  
  manufacturer requirements  
  ____ space for docking station  
  Ventilation:  
  ____ Min. 10 air changes per hour  
  Table 7.1  
  ____ Exhaust  
  ____ Negative pressure  
  ____ No recirculating room units  
  Nurse Call System:  
  ____ Duty station (light/sound  
  signal)  
  Table 2.1-2 |
| 2.1-2.8.12.3 |  
  ____ soiled holding room  
  (1)  
  (2)  
  Ventilation:  
  ____ Min. 10 air changes per hour  
  Table 7.1  
  ____ Exhaust  
  ____ Negative pressure  
  ____ No recirculating room units |

**Building Systems Requirements**

Ventilation:
- **Min. 4 air changes per hour**
- **Positive pressure**
- **Min. 4 air changes per hour**
- **Positive pressure**
- **Min. 10 air changes per hour**
- **Exhaust**
- **Negative pressure**
- **No recirculating room units**
- **Duty station (light/sound signal)**

Nurse Call System:
- **Duty station (light/sound signal)**

**Notes:**
- Check if not included in project
- Electrical & plumbing connections that meet manufacturer requirements

**MDPH/DHCFCLC 12/18 IP10**
### Architectural Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.8.13.1</td>
<td>Clean linen storage</td>
</tr>
<tr>
<td>(1)</td>
<td>stored in clean workroom &lt;br&gt; or &lt;br&gt; separate closet &lt;br&gt; or &lt;br&gt; covered cart distribution system on each floor</td>
</tr>
<tr>
<td>(2)</td>
<td>storage of clean linen carts in designated corridor alcoves, clean workroom or closets</td>
</tr>
<tr>
<td>2.1-2.8.13.2</td>
<td>Equipment &amp; supply storage room or alcoves</td>
</tr>
<tr>
<td></td>
<td>sized to provide min. 10 sf per patient bed</td>
</tr>
<tr>
<td>2.1-2.8.13.3</td>
<td>Storage space for gurneys, stretchers &amp; wheelchairs</td>
</tr>
<tr>
<td>2.1-2.8.13.4</td>
<td>Emergency equipment storage</td>
</tr>
<tr>
<td>(1)</td>
<td>each patient care unit has at least one emergency equipment storage location</td>
</tr>
<tr>
<td>(2)</td>
<td>provided under visual observation of staff</td>
</tr>
<tr>
<td>(3)</td>
<td>storage locations in corridors do not encroach on minimum required corridor width</td>
</tr>
<tr>
<td>2.2-2.8.14</td>
<td>Environmental services room</td>
</tr>
<tr>
<td>2.1-2.8.14.1</td>
<td>readily accessible* to unit or floor it serves (permitted to serve more than one patient care unit on floor)</td>
</tr>
<tr>
<td></td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td></td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>Negative pressure</td>
</tr>
<tr>
<td></td>
<td>No recirculating room units</td>
</tr>
<tr>
<td>2.2-2.11.8.15</td>
<td>Examination room</td>
</tr>
<tr>
<td>(1)</td>
<td>check if not included in project &lt;br&gt; (only if all patient rooms in patient care unit are single-patient rooms)</td>
</tr>
<tr>
<td>(2)</td>
<td>designed for single patient &lt;br&gt; serves only one patient care unit &lt;br&gt; serves more than one patient care unit on same floor &lt;br&gt; centrally located</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patient privacy:</td>
</tr>
</tbody>
</table>
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architectural Requirements</td>
<td>At least provisions are made to address patient visual &amp; speech privacy</td>
</tr>
<tr>
<td>2.1-3.2.2.1 Space Requirements:</td>
<td>Ventilation:</td>
</tr>
<tr>
<td>(1) min. clear floor area 120 sf</td>
<td>___ Min. 6 air changes per hour</td>
</tr>
<tr>
<td>(2)(a) room size permits room arrangement with min. clearance 3'-0&quot; at each side &amp; at foot of exam table</td>
<td>___ Portable or fixed exam light</td>
</tr>
<tr>
<td>(2)(b) exam table, recliner or chair is placed at angle closer to one wall</td>
<td>Power:</td>
</tr>
<tr>
<td></td>
<td>___ Min. 8 receptacles in total</td>
</tr>
<tr>
<td></td>
<td>___ Min. 4 receptacles convenient to head of gurney or bed</td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td>Nurse Call System:</td>
</tr>
<tr>
<td></td>
<td>___ Staff assistance station</td>
</tr>
<tr>
<td></td>
<td>___ Emergency call station</td>
</tr>
<tr>
<td>2.2-2.11.8.9 Infant feeding facilities</td>
<td>SUPPORT AREAS FOR STAFF</td>
</tr>
<tr>
<td></td>
<td>___ Storage for human milk &amp; formula</td>
</tr>
<tr>
<td>2.2-2.11.8.13 Equipment &amp; supply storage</td>
<td>(may be shared with adjacent* med/surg adult unit)</td>
</tr>
<tr>
<td>(1) storage closets or cabinets for toys &amp; educational &amp; recreational equipment</td>
<td>2.1-2.9.1 Staff lounge</td>
</tr>
<tr>
<td>(2) storage space provided in facility to permit exchange of cribs &amp; adult beds</td>
<td>___ min. 100 sf</td>
</tr>
<tr>
<td>(3) provisions for storage of equipment &amp; supplies for parents who stay with patient overnight</td>
<td>2.1-2.9.2 Staff toilet room (permitted to be unisex)</td>
</tr>
<tr>
<td></td>
<td>___ readily accessible* to each patient care unit</td>
</tr>
<tr>
<td>2.1-2.9.2.1 toilet &amp; handwashing station</td>
<td>2.1-2.9.2.2 Ventilation:</td>
</tr>
<tr>
<td></td>
<td>___ Min. 10 air changes per hour</td>
</tr>
<tr>
<td>2.1-2.9.2.2 toilet &amp; handwashing station</td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>___ Negative pressure</td>
</tr>
<tr>
<td>2.1-2.9.3 Staff storage facilities</td>
<td>No recirculating room units</td>
</tr>
<tr>
<td>2.1-2.9.3.1 securable closets or cabinet compartments for personal articles of staff</td>
<td></td>
</tr>
<tr>
<td></td>
<td>___ located in or near nurse station</td>
</tr>
<tr>
<td>Architectural Requirements</td>
<td>Building Systems Requirements</td>
</tr>
<tr>
<td>----------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td><strong>2.2-2.11.10</strong> SUPPORT AREAS FOR PATIENTS (may be shared with adjacent* med/surg adult unit)</td>
<td><strong>Communications:</strong></td>
</tr>
<tr>
<td><strong>2.2-2.10.1</strong> Family &amp; visitor lounge</td>
<td><strong>__</strong> Public communication services provided in each family &amp; visitor lounge</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Table 7.1</strong></td>
</tr>
<tr>
<td><strong>2.1-2.10.1.1(1)</strong></td>
<td><strong>__</strong> Min. 10 air changes per hour</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> Exhaust</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> Negative pressure</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> No recirculating room units</td>
</tr>
<tr>
<td><strong>2.1-2.10.1.1(2)</strong></td>
<td><strong>__</strong> Exhaust</td>
</tr>
<tr>
<td><strong>2.1-2.10.1.2</strong></td>
<td><strong>__</strong> Negative pressure</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> No recirculating room units</td>
</tr>
<tr>
<td><strong>2.1-2.10.1.4</strong></td>
<td><strong>__</strong> Min. 10 air changes per hour</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> Exhaust</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> Negative pressure</td>
</tr>
<tr>
<td></td>
<td><strong>__</strong> No recirculating room units</td>
</tr>
</tbody>
</table>

| **2.2-2.2.10.2** | **Ventilation:** |
| **1** | **__** Handwashing station |
| **2.2-2.2.10.4** | **__** Handwashing stations |
| **2.2-2.10.2** | **__** Handwashing stations |
| **__** readily accessible* to multipurpose room |
| **__** immediately accessible* to patient care units served (permitted to serve more than one patient care unit) |
| **__** designed to minimize impact of noise & activity on patient rooms & staff functions |
| **__** immediately accessible* to each central bathing |
| **__** immediately accessible* to each central bathing |
| | **__** Min. 10 air changes per hour |
| | **__** Exhaust |
| | **__** Negative pressure |
| | **__** No recirculating room units |

**LOCATION TERMINOLOGY:**

- **Directly accessible:** Connected to the identified area or room through a doorway, pass-through, or other opening without going through an intervening room or public space
- **Adjacent:** Located next to but not necessarily connected to the identified area or room
- **Immediately accessible:** Available either in or adjacent to the identified area or room
- **Readily accessible:** Available on the same floor or in the same clinic as the identified area or room
**Architectural Details & MEP Requirements**

### 2.1-7.2.2

**ARCHITECTURAL DETAILS**

#### CORRIDOR WIDTH:

**2.1-7.2.2.1**
- Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width
- Detailed code review incorporated in Project Narrative

**or**
- Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width
- Detailed code review incorporated in Project Narrative

#### CEILING HEIGHT:

**2.1-7.2.2.2**
- Min ceiling height 7'-6" in corridors & in normally unoccupied spaces
- Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds & on stretchers
- Min. ceiling height 7'-10" in other areas

#### DOORS & DOOR HARDWARE:

**2.1-7.2.2.3**
- Door Type:
  - doors between corridors, rooms, or spaces subject to occupancy
  - swinging type or sliding doors
- sliding doors
  - check if not included in project manual or automatic
  - detailed code review incorporated in Project Narrative
- no floor tracks

**2.1-7.2.2.5**
- Operable windows in patient rooms or suites
  - 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

**2.1-7.2.2.6**
- insect screens

#### WINDOW SIZE IN PATIENT ROOMS:

**2.1-7.2.2.5(3)**
- minimum net glazed area be no less than 8% of required min. clear floor area of room served

**2.1-7.2.2.7**
- Glazing within 1 foot 6 inches of floor
  - check if not included in project
  - must be safety glass, wire glass or plastic break-resistant material
### Handwashing Stations:

1. Handwashing stations in patient care areas located so they are visible & unobstructed
2. Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly
   - Countertops substrate
     - ☐ check if not included in project
     - marine-grade plywood (or equivalent material) with impervious seal
3. Handwashing station casework
   - ☐ check if not included in project
   - designed to prevent storage beneath sink
4. Provisions for drying hands
   - ☐ check if not included in project
   - hand-drying device does not require hands to contact dispenser
   - hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing
5. Liquid or foam soap dispensers

### Grab Bars:

1. Grab bars anchored to sustain concentrated load 250 pounds
2. Grab bars in toilet rooms used by patients of size anchored to sustain concentrated load 800 pounds
3. Ends of grab bars constructed to prevent snagging clothes of patients, staff & visitors

### Railings:

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

### 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. Noise reduction criteria in Table 1.2-6

### Decorative Water Features:

1. No indoor unsealed water features
2. Covered fish tanks
   - ☐ check if not included in project
   - restricted to public areas

### Surfaces:

#### Flooring & Wall Bases:

1. Flooring surfaces cleanable & wear-resistant for location
2. Smooth transitions provided between different flooring materials
3. Flooring surfaces including those on stairways are stable, firm & slip-resistant
4. Floors & wall bases of soiled workrooms, toilet rooms & other areas subject to frequent wet cleaning are constructed of materials that are not physically affected by germicidal or other types of cleaning solutions

#### Walls & Wall Protection:

1. Wall finishes are washable
2. Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
3. 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
4. Wall protection devices & corner guards durable & scrubbable

#### Ceilings:

1. Ceilings provided in all areas except mechanical, electrical & communications equipment rooms
2. Ceilings cleanable with routine housekeeping equipment
3. Acoustic & lay-in ceilings where used do not create ledges or crevices

#### Built-In Furnishings:

1. Upholstered with impervious materials in patient treatment areas
2.1-7.2.4.2 Window Treatments in Patient Rooms & Other Patient Care Areas:
(1) 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 UTILITIES:
Part 3/6.1.1 Ventilation Upon Loss of Electrical Power:
space ventilation & pressure relationship requirements of Tables 7.1 are maintained for AII Rooms, PE Rooms in event of loss of normal electrical power

Part 3/6.1.2 Heating & Cooling Sources:
Part 3/6.1.2.1 heat sources & essential accessories are provided in number & arrangement sufficient to accommodate facility needs (reserve capacity) even when any one of heat sources or essential accessories is not operating due to breakdown or routine maintenance
capacity of remaining source or sources is sufficient to provide for domestic hot water & to provide heating for inpatient rooms

Part 3/6.1.2.2 Central cooling systems greater than 400 tons (1407 kW) peak cooling load ☐ check if not included in project number & arrangement of cooling sources & essential accessories is sufficient to support facility operation plan upon breakdown or routine maintenance of any one of cooling sources

Part 3/6.2 AIR-HANDLING UNIT (AHU) DESIGN:
Part 3/6.2.1 AHU casing is designed to prevent water intrusion, resist corrosion & permit access for inspection & maintenance

Part 3/6.3 OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:
Part 3/6.3.1 Outdoor Air Intakes:
Part 3/6.3.1.1 located min. of 25 ft from cooling towers & all exhaust & vent discharges outdoor air intakes located such that bottom of air intake is at least 6'-0" above grade air intakes located away from public access

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

Part 3/6.3.2 Exhaust Discharges for Infectious Exhaust Air:
☐ check if not included in project

Part 3/6.3.2.1 ductwork within building is under negative pressure for exhaust of contaminated air (i.e. air from AII rooms)
exhaust discharge outlets with contaminated air located such that they reduce potential for recirculation of exhausted air back into building

Part 3/6.3.2.2 exhaust discharge outlets with contaminated air is arranged to discharge to atmosphere in vertical direction at least 10'-0" above adjoining roof level exhaust discharge outlets from AII rooms is located not less than 25 feet horizontally from outdoor air intakes, openable windows/doors & areas that are normally accessible to public

Part 3/6.4 FILTRATION:
Two filter banks for inpatient care (see Table 6.4)
Filter Bank No. 1: MERV 7
Filter Bank No. 2: MERV 14
Each filter bank with efficiency of greater than MERV 12 is provided with differential pressure measuring device to indicate when filter needs to be changed

Part 3/6.4.1 Filter Bank No. 1 is placed upstream of heating & cooling coils
Part 3/6.4.2 Filter Bank No. 2 is placed downstream of all wet-air cooling coils & supply fan
Part 3/6.5 HEATING & COOLING SYSTEMS:
Part 3/6.5.3 ☐ Radiant heating systems
☐ check if not included in project
☐ ceiling or wall panels with exposed cleanable surfaces or radiant floor heating are provided in AII room, 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 6.7.2

Part 3/6.7.3 Smoke Barriers:
☐ HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers.

Part 3/6.8 ENERGY RECOVERY SYSTEMS:
☐ check if not included in project
Part 3/6.8.1 ☐ Located upstream of Filter Bank No. 2
Part 3/6.8.2 ☐ AII room exhaust systems or combination AII/PE rooms are not used for energy recovery

Part 3/6.8.3 ☐ Energy recovery systems with leakage potential
☐ check if not included in project
☐ arranged to minimize potential to transfer exhaust air directly back into supply airstream
☐ designed to have no more than 5% of total supply airstream consisting of exhaust air

Part 3/7 SPACE VENTILATION
Part 3/7.1.a ☐ Spaces ventilated according to Table 7.1
Part 3/7.1.a.1 ☐ Air movement is from clean to less-clean areas

Part 3/7.1.a.3 ☐ 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 3/7.2 ADDITIONAL ROOM-SPECIFIC REQUIREMENTS:
Part 3/7.2.1 Airborne Infection Isolation (AII) Rooms
☐ check if not included in project
☐ AII rooms have permanently installed device and/or mechanism to constantly monitor differential air pressure between room & corridor
☐ Local visual means is provided to indicate whenever negative differential pressure is not maintained
☐ Air from AII room is exhausted directly to outdoors
☐ Exhaust air from AII rooms, associated anterooms & toilet rooms is discharged directly to outdoors without mixing with exhaust air from any other non-AII room or exhaust system

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

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

2.1-8.3 ELECTRICAL SYSTEMS
2.1-8.3.2.2 Panelboards:
☐ panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below
☐ panelboard critical branch circuits serve floors on which they are located
☐ 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:**

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

2.1-8.3.4.3(1) Reading light for each patient bed
   (a) incandescent & halogen lights
      ☐ check if not included in project
      placed or shielded to protect patient from injury
      light covered by diffuser or lens
      ☐ check if not included in project
      mechanically controlled to prevent lamp from contacting bed linen

2.1-8.3.4.3(2) Patient care unit corridors have general illumination with provisions for reducing light levels at night

2.1-8.3.5 **ELECTRICAL EQUIPMENT:**

2.1-8.3.5.1 Handwashing sinks that depends on building electrical service for operation are connected to essential electrical system
      ☐ check if not included in project

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
   (2) receptacles in pediatric 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

2.1-8.3.7 **PLUMBING SYSTEMS**

2.1-8.4 **PLUMBING SYSTEMS**

2.1-8.4.2 **Plumbing & Other Piping Systems:**
   (3)(c) non-recirculated fixture branch piping max. length 25'-0"
   (4)(a) water-heating system supplies water at temperatures & amounts indicated in Table 2.1-4

2.1-8.4.2.6 **Drainage Systems:**
   (1)(b) drip pan for drainage piping above ceiling of sensitive area
   ☐ check if not included in project
   accessible
   ☐ check if not included in project
   overflow drain with outlet located in normally occupied area

2.1-8.4.3 **PLUMBING FIXTURES:**

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

2.1-8.4.3.2 **Handwashing Station Sinks:**
   (1) designed with basins that will reduce risk of splashing to areas for direct patient care & medications preparation
   (2) sink basins have nominal size of no less than 144 square inches
   (3) sink basins are made of porcelain, stainless steel or solid-surface materials
   (5) water discharge point is at least 10" above bottom of basin
(7) anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied

(8) sinks used by staff, patients, & public have fittings that can be operated without using hands (may be single-lever or wrist blade devices)

(a) blade handles
☐ check if not included in project
☐ at least 4 inches in length
☐ provide clearance required for operation

(b) sensor-regulated water fixtures
☐ check if not included in project
☐ meet user need for temperature & length of time water flows
☐ designed to function at all times and during loss of normal power

2.1-8.3.3 Showers & Tubs:
(1) nonslip surfaces

2.1-8.3.4 Ice-Making Equipment:
(1) copper tubing provided for supply connections to ice-making equipment

2.1-8.3.5 Clinical Flushing-Rim Sinks:
☐ check if not included in project
(1) trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices)

(b) handles are at least 6 in. long

(2) integral trap wherein upper portion of water trap provides visible seal

2.1-8.3.7 Bedpan-Rinsing Devices:
(1) bedpan-rinsing devices provided in each inpatient toilet room

(2) use cold water only

2.1-8.4.3 MEDICAL GAS & VACUUM SYSTEMS
☐ Station outlets provided as indicated in Table 2.1-3

2.1-8.5.1 CALL SYSTEMS
2.1-8.5.1.1 Nurse call stations provided as required in Table 2.1-2

(2) Nurse call systems report to attended location with electronically supervised visual & audible annunciation

(4) Call system complies with UL 1069 “Standard for Hospital Signaling &

(5) Wireless nurse call system
☐ check if not included in project
☐ complies with UL 1069

2.1-8.5.1.2 Patient Call Stations:
(1) each patient sleeping bed provided with patient call station equipped for two-way voice communication

(2)(a) indicator light that remains lighted as long as voice circuit is operating

(2)(b) reset switch for canceling call

(3)(a) visible signal in corridor at patient’s door

Multi-Corridor Patient Areas:
☐ check if not included in project
☐ additional visible signals at corridor intersections

2.1-8.5.1.3 Bath Stations:
☐ bath station that can be activated by patient lying on floor provided at each patient toilet, bathtub or shower stall

(1) alarm in these areas can only be turned off at bath station where it was initiated

(2) 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

(3) toilet bath stations located on the side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor

2.1-8.5.1.5 Emergency call stations are equipped with continuous audible or visual confirmation to person who initiated the code call

2.1-8.6.2 ELECTRONIC SURVEILLANCE SYSTEMS
☐ check if not included in project

2.1-8.6.2.2 Monitoring devices are located so they are not readily observable by general public or patients

2.1-8.6.2.3 Electronic surveillance systems receive power from essential electrical system