COMPLIANCE CHECKLIST

IP5: Pediatric Critical 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 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:

- 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: ___________________________

Submission Dates:
Initial Date: __________________
Revision Date: __________________

Satellite Address: (if applicable)

Project Description: ____________________________________________

MDPH/DHCFLC 05/15 IP5
### Architectural Requirements

#### PEDIATRIC CRITICAL CARE UNIT

#### PEDIATRIC PATIENT CARE ROOMS & AREAS

**2.2-2.6.2.2 Space Requirements:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. clear floor area</td>
<td>200 sf for each patient care station</td>
</tr>
<tr>
<td>min. headwall width</td>
<td>13'-0&quot; per bed</td>
</tr>
<tr>
<td>(1)</td>
<td></td>
</tr>
<tr>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>1'-0&quot; min. clearance head of bed to wall</td>
<td></td>
</tr>
<tr>
<td>5'-0&quot; min. clearance foot of bed to wall</td>
<td></td>
</tr>
<tr>
<td>5'-0&quot; min. clearance on transfer side,</td>
<td></td>
</tr>
<tr>
<td>4'-0&quot; min. clearance on non-transfer side</td>
<td></td>
</tr>
<tr>
<td>8'-0&quot; min. clearance between beds</td>
<td></td>
</tr>
</tbody>
</table>

**Ventilation**:

- Min. 6 air changes/hour
- No recirculating room units

**Power**:

- Min. 16 receptacles
- Convenient to head of bed

**Nurse Call System**:

- Patient station
- Emergency staff assistance station
- Code call station

**Medical Gases**:

- 3 OX, 3 VAC, 1 MA for each bed

*Common requirements for all patient rooms*

**2.2-2.6.2.3 Windows:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>no more than one intervening patient care station between any patient bed &amp; window</td>
<td></td>
</tr>
<tr>
<td>clerestory windows in renovation projects</td>
<td></td>
</tr>
<tr>
<td>check if not included in project</td>
<td></td>
</tr>
<tr>
<td>equipped with glare &amp; sun control</td>
<td></td>
</tr>
<tr>
<td>operating mechanism controls for window coverings located max. 5'-0&quot; above floor</td>
<td></td>
</tr>
<tr>
<td>distance from patient bed to an exterior window does not exceed 50'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>patient care station cubicles</td>
<td></td>
</tr>
<tr>
<td>check if not included in project</td>
<td></td>
</tr>
<tr>
<td>patient view to exterior windows through no more than two separate clear view panels</td>
<td></td>
</tr>
</tbody>
</table>

**Patient Privacy**:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>private rooms or cubicles</td>
<td></td>
</tr>
<tr>
<td>check if not included in project</td>
<td></td>
</tr>
<tr>
<td>view panels to corridor with means to ensure visual privacy</td>
<td></td>
</tr>
</tbody>
</table>

**Handwashing Stations:**

**Patient Care Stations in Open-Plan Areas:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>min. 1 handw. station for 3 beds</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>handw. station in each patient room</td>
<td></td>
</tr>
<tr>
<td>handw. station located near entrance to each patient bay, cubicle, or room</td>
<td></td>
</tr>
</tbody>
</table>
### Architectural Requirements

2.2-2.6.2.6 **Toilet Room/Human Waste Disposal Room:**

(1) patient room has direct access to enclosed toilet room  
   (a) equipped with toilet with bedpan washer  
   or

(1) patient room has direct access to human waste disposal room  
   (b) equipped with flushing-rim clinical sink with bedpan washer

2.2-2.9.2.2 **Additional Space Requirements:**

(1) space at each bedside for families & visitors in addition to space for staff  
   (2) space for parental accommodations  
   does not limit or encroach on min. clearance requirements for staff & medical equipment around patient bed  
   (3) space for recumbent sleep of parent/visitor  
   (4) located in patient area  
   or  
   (5) separate from patient area  
   (6) communication system

### Building Systems Requirements

2.2-2.9.4 **SPECIAL PATIENT CARE ROOMS**

2.2-2.6.4.2 **Airborne infection isolation (AII) room**

(1) min. one AII room in critical care unit

2.1-2.4.2.2 **single-bed room**

(1) provision made for personal protective equipment storage at entrance to room  
(2) handwashing station in each patient room  
(3) monolithic floors with integral coved 6" high wall base

2.1-7.2.3.1(6) **Ventilation:**

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

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

**Ventilation:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. 10 air changes per hour</td>
<td>Table 7.1</td>
</tr>
<tr>
<td>Exhaust</td>
<td></td>
</tr>
</tbody>
</table>
Architectural Requirements

2.1-2.4.2.3  Anteroom
☐ check if not included in project
(only if ICRA justifying the omission of
the anteroom for the specific patient
population is attached to Project
Narrative)

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

2.2-2.9.6  SUPPORT AREAS FOR PEDIATRIC CRITICAL
CARE UNIT

2.2-2.6.6.1  ____ Administrative center or nurse station
(2)  ____ direct or remote visual observation
    between nurse station, or staffed charting
    stations & all patient care stations (view
    of patient in bed)

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

2.2-2.6.6.2  ____ Documentation & information review areas
(1)  ____ documentation area located in or
    adjacent* to patient bed care station
(2)  ____ space in unit for information review
    ____ located to facilitate concentration

2.2-2.6.6.3  ____ Nurse or supervisor office
    ____ immediately accessible* to critical care
    unit
    ____ offices linked with unit by telephone or
    intercommunications system

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  ____ medication preparation room
☐ check if not included in project

Ventilation:
(1)  ____ Min. 10 air changes per hour  Table 7.1
    ____ Exhaust
    ____ Negative pressure to
    corridor
    ____ No recirculating room units
    ____ All room under negative
    pressure to anteroom
    ____ Anteroom under negative
    pressure to corridor

Building Systems Requirements

Nurse Call System:
(1)  ____ Master station  Table 2.1-2
(2)  ____ Duty station  Table 2.1-2

Nurse Call System:
____ Master station
____ Duty station

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

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Architectural Requirements

- 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
  - located at nurse station, in clean workroom, in an alcove, or inpatient room

(b) lockable unit to secure controlled drugs

Mobile Medication-Dispensing Carts:
  - check if not included in project:
    - space in patient rooms to accommodate cart

2.2-2.6.6.7 Nourishment area
  - located in proposed CCU
  - available in adjacent CCU without travel through public corridor

2.1-2.6.7.2
- handwashing station
- work counter
- refrigerator
- microwave
- storage cabinets
- 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

2.2-2.6.6.8 Ice-making equipment
  - located in each unit to provide ice for treatment & nourishment

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
  - check if not located in public area

2.2-2.6.6.9 Clean workroom or clean supply room
  - located in proposed CCU
  - available in adjacent CCU without travel through public corridor

Ventilation:
  - Min. 2 air changes per hour
  - Table 7.1

Nurse Call System:
  - Duty station
  - Table 2.1-2
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.1-2.6.9.1</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>clean workroom used for preparing patient care items</td>
<td>Min. 4 air changes per hour</td>
</tr>
<tr>
<td>(1)</td>
<td>Positive pressure</td>
</tr>
<tr>
<td>(2)</td>
<td>Nurse Call System:</td>
</tr>
<tr>
<td>(3)</td>
<td>Duty station</td>
</tr>
<tr>
<td><strong>2.1-2.6.9.2</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>clean supply room used only for storage &amp; holding as part of system for distribution of clean &amp; sterile supplies</td>
<td>Min. 4 air changes per hour</td>
</tr>
<tr>
<td><strong>2.2-2.6.6.10</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Soiled workroom or soiled holding room</td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>(2)</td>
<td>Exhaust</td>
</tr>
<tr>
<td>or</td>
<td>Negative pressure</td>
</tr>
<tr>
<td><strong>2.1-2.6.10</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Soiled workroom or soiled holding room</td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>(1)</td>
<td>Exhaust</td>
</tr>
<tr>
<td>(2)</td>
<td>Negative pressure</td>
</tr>
<tr>
<td><strong>2.2-2.6.6.11</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Clean linen storage</td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>(2)</td>
<td>Exhaust</td>
</tr>
<tr>
<td>(3)</td>
<td>Negative pressure</td>
</tr>
<tr>
<td><strong>2.1-2.6.11.1</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>covered cart distribution system (corridor alcoves may be used)</td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>check if not included in project</td>
<td>Exhaust</td>
</tr>
<tr>
<td><strong>2.2-2.6.6.11</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Equipment storage room or alcove</td>
<td>Min. 20 sf per patient care station</td>
</tr>
<tr>
<td>(2)</td>
<td><strong>Check:</strong></td>
</tr>
<tr>
<td>(a)</td>
<td><strong>Check:</strong></td>
</tr>
<tr>
<td>(b)</td>
<td><strong>Check:</strong></td>
</tr>
<tr>
<td><strong>2.2-2.9.6.2</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Provisions for formula &amp; breast milk storage</td>
<td></td>
</tr>
<tr>
<td><strong>2.1-2.6.11.3</strong></td>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Storage space for stretchers &amp; wheelchairs</td>
<td></td>
</tr>
</tbody>
</table>
### Architectural Requirements

2.1-2.6.11.4

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

2.2-2.6.12

- Environmental services room
  - immediately accessible* to critical care unit
  - not shared with other nursing units or departments

2.1-2.6.12.2

- Service sink or floor-mounted mop sink
- provisions for storage of supplies & housekeeping equipment
- handwashing station or hand sanitation station

2.2-2.6.14

- Special procedures room
  - check if not included in project

2.1-3.2.2.1

- Space Requirements:
  - min. clear floor area of 120 sf with min. clear dimension of 10'-0"
  - room size permits min. clearance of 3'-0" at each side & at foot of exam table
  - 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

- Equipment:
  - examination light
  - storage for supplies
  - accommodations for written or electronic documentation
  - space for visitor’s chair
  - handwashing station

2.2-2.6.15

- Patient-monitoring equipment
  - equipment for physiological monitoring, with visual displays for each patient at bedside & at nurse station or centralized monitoring area
  - monitors located to permit easy viewing & access
    - do not interfere with access to patient

2.2-2.6.16

- Image viewing capability (may serve more than one CCU)

2.2-2.9.6.1

- Consultation/demonstration room

### Building Systems Requirements

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

<table>
<thead>
<tr>
<th>2.2-2.6.12</th>
<th>Environmental services room</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>immediately accessible* to critical care unit</td>
</tr>
<tr>
<td>(2)</td>
<td>not shared with other nursing units or departments</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.1-2.6.12.2</th>
<th>Service sink or floor-mounted mop sink</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>provisions for storage of supplies &amp; housekeeping equipment</td>
</tr>
<tr>
<td>(2)</td>
<td>handwashing station or hand sanitation station</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2-2.6.14</th>
<th>Special procedures room</th>
</tr>
</thead>
<tbody>
<tr>
<td>check if not included in project</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.1-3.2.2.1</th>
<th>Space Requirements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>min. clear floor area of 120 sf with min. clear dimension of 10'-0&quot;</td>
</tr>
<tr>
<td>(2)</td>
<td>room size permits min. clearance of 3'-0&quot; at each side &amp; at foot of exam table</td>
</tr>
<tr>
<td>(a)</td>
<td>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</td>
</tr>
<tr>
<td>(b)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.1-3.2.2.2</th>
<th>Equipment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>examination light</td>
</tr>
<tr>
<td>(2)</td>
<td>storage for supplies</td>
</tr>
<tr>
<td>(3)</td>
<td>accommodations for written or electronic documentation</td>
</tr>
<tr>
<td>(4)</td>
<td>space for visitor’s chair</td>
</tr>
<tr>
<td>(5)</td>
<td>handwashing station</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2-2.6.15</th>
<th>Patient-monitoring equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>equipment for physiological monitoring, with visual displays for each patient at bedside &amp; at nurse station or centralized monitoring area</td>
</tr>
<tr>
<td>(2)</td>
<td>monitors located to permit easy viewing &amp; access</td>
</tr>
<tr>
<td></td>
<td>do not interfere with access to patient</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2-2.6.16</th>
<th>Image viewing capability (may serve more than one CCU)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>2.2-2.9.6.1</th>
<th>Consultation/demonstration room</th>
</tr>
</thead>
</table>

### Ventilation:

- Min. 10 air changes per hour
- Min. 6 air changes per hour

### Power:

- Min. 8 receptacles in room
- Min. 4 receptacles
- Min. 4 receptacles convenient to head of stretcher

### Nurse Call System:

- Emergency staff assistance station
- Duty station

### Medical Gases:

- 1 OX, 1 VAC
**Architectural Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-2.9.6.3</td>
<td>Examination room</td>
</tr>
<tr>
<td>✔</td>
<td>check if not included in project</td>
</tr>
<tr>
<td>2.2-2.2.6.13</td>
<td>centrally located to serve one or more nursing units on same floor</td>
</tr>
<tr>
<td>2.1-3.2.2</td>
<td>single-bed examination room</td>
</tr>
</tbody>
</table>

**Space Requirements:**

<table>
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<td>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</td>
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**Room Features:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>examination light</td>
</tr>
<tr>
<td>(2)</td>
<td>storage for supplies</td>
</tr>
<tr>
<td>(3)</td>
<td>accommodations for written or electronic documentation</td>
</tr>
<tr>
<td>(4)</td>
<td>space for visitor’s chair</td>
</tr>
<tr>
<td>(5)</td>
<td>handwashing station</td>
</tr>
</tbody>
</table>

**Support Areas for Staff**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-2.6.7.1</td>
<td>Staff lounge facilities</td>
</tr>
<tr>
<td>✔</td>
<td>min. 100 sf</td>
</tr>
</tbody>
</table>

**Building Systems Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-2.9.7</td>
<td>Nurse Call System:</td>
</tr>
<tr>
<td>✔</td>
<td>Duty station</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-2.6.7.1</td>
<td>located in or adjacent* to CCU (may serve more than one CCU)</td>
</tr>
<tr>
<td>(2)</td>
<td>telephone or intercom &amp; emergency code alarm connections to critical care unit it serves</td>
</tr>
<tr>
<td>(3)</td>
<td>furnishings, equipment &amp; space for seating</td>
</tr>
<tr>
<td>(4)</td>
<td>not combined with multipurpose room required in 2.2-2.6.6.4</td>
</tr>
</tbody>
</table>

**Staff Toilet Room**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>readily accessible* to staff lounge</td>
</tr>
</tbody>
</table>

**Ventilation:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Min. 6 air changes per hour</td>
</tr>
</tbody>
</table>

**Power:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Min. 8 receptacles in room</td>
</tr>
<tr>
<td>✔</td>
<td>Min. 4 receptacles convenient to head of stretcher</td>
</tr>
</tbody>
</table>

**Nurse Call System:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Emergency staff assistance station</td>
</tr>
</tbody>
</table>

**Medical Gases:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>1 OX, 1 VAC</td>
</tr>
</tbody>
</table>

**SUPPORT AREAS FOR STAFF**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.7.1</td>
<td>Staff storage facilities</td>
</tr>
<tr>
<td>✔</td>
<td>securable closets or cabinet compartments for personal articles of staff</td>
</tr>
<tr>
<td>✔</td>
<td>located in or near nurse station</td>
</tr>
</tbody>
</table>

**Ventilation:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Min. 10 air changes per hour</td>
</tr>
</tbody>
</table>

**Exhaust:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>Exhaust</td>
</tr>
</tbody>
</table>

**Coat Storage**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔</td>
<td>check if not included in project: storage of coats in closets or cabinets on each floor or in central staff locker area</td>
</tr>
</tbody>
</table>
Compliance Checklist: Pediatric Critical Care Unit

Architectural Requirements

2.2-2.6.7.4

____ Staff accommodations
____ sleeping & personal care accommodations for staff on 24-hour, on-call work schedules

(1) ____ accommodations for sleeping & rest
(a) ____ space for chair
(b) ____ space for bed
(2) ____ individually secured storage for personal items
(3) ____ communication system
(4) ____ bathroom with toilet, shower & handwashing station

2.2-2.9.8

SUPPORT AREAS FOR FAMILIES & VISITORS

2.2-2.6.8.1

____ Family & visitor lounge
____ immediately accessible* to CCU

2.2-2.9.8.1 (4)

____ lounge designed to minimize impact of noise & activity on patient rooms & staff functions

2.2-2.9.8.1 (6)

____ public communication services

2.2-2.9.8.2

____ toilet room readily accessible*

2.2-2.6.8.1 (2)

____ lounge seating capacity of no fewer than 1.5 persons per patient bed

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

Building Systems Requirements

2.1-7.2.3

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

_____ min. clear width 34.5"

(3) _____ Doors do not swing into corridors (except doors in doors to non-occupiable spaces & doors with emergency breakaway hardware)

(4) (b) _____ Lever hardware

(5) _____ Doors for patient bathing/toilet facilities

Ventilation:

Table 7.1

_____ Min. 10 air changes per hour

_____ Exhaust
### 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% of floor area of room served
- **(a)** Operable windows
  - **(check if not included in project)**
  - **operation limited with either stop limit/restrictor hardware or open guard/screen**

### 2.1-7.2.2.6 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 anchoring suitable for vertical or horizontal force of 250 lbs.
- **(4)** Handwashing Station Countertops:
  - **(check if not included in project)**
  - **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 directly accessible* to sinks
  - **(d)** Liquid or foam soap dispensers

### 2.1-7.2.9 GRAB BARS:

- **(2)** Grab bars anchored to sustain concentrated load of 250 lbs.

### 2.1-7.2.10 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

### 2.1-7.2.12 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)** Washable wall finishes
- **(a)** 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 CEILINGS:

- **(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**
HEATING, VENTILATION, & AIR-CONDITIONING (HVAC) SYSTEMS

4/6.3.1 Outdoor Air Intakes:
   - 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:
   - no radiators or convectors in special care areas

4/6.7 Air Distribution Systems:
   - 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:
   - 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

4/7.1 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

Acoustic Considerations:
   □ Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade

Ventilation & Space-Conditioning:
   □ All rooms & areas used for patient care have provisions for ventilation
   □ 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

ELECTRICAL DISTRIBUTION & TRANSMISSION

2.1-8.3.2 Switchboards Locations:
   □ Located in areas separate from piping & plumbing equipment
   □ Not located in rooms they support
   □ Accessible to authorized persons only
   □ Located in dry, ventilated space free of corrosive gases or flammable material

Panelboards:
   □ Panelboards serving life safety branch emergency circuits only serve same floor, floor above & floor below
   □ Panelboards serving critical branch emergency circuits only serve same floor
   □ New panelboards not located in exit enclosures

Ground-Fault Circuit Interrupters in Critical Care:
   □ check if not included in project
   □ Provisions made to ensure that essential equipt is not affected by activation of one interrupter
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 Patient Rooms:

(a) reading light for each patient controls accessible to patient in bed

(b) light source covered by diffuser or lens

(c) flexible light arms

(d) check if not included in project designed to prevent lamp from contacting bed linen

(e) lighting for ICU bed areas

(f) permits staff observation of patient & minimize glare

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 RECEPTACES**

2.1-8.3.6.1 Receptacles in Corridors:

(1) duplex grounded receptacles installed approx. 50'-0" apart

(2) receptacles in pediatric unit corridors of tamper-resistant type

2.1-8.3.6.2 Receptacles in Patient Care Areas:

(1) receptacles provided according to Table 2.1-1

2.1-8.3.6.3 Emergency System Receptacles:

(1) distinctively colored or marked for identification

2.1-8.3.7 **CALL SYSTEMS**

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

2.1-8.3.7.2 Patient Call Stations:

(a) each patient sleeping bed, except nursery beds, provided with patient call station equipped for two-way voice communication

(b) visible signal once call station has been activated

(c) reset switch for canceling call

(d) visible signal in corridor at patient room door

(e) additional visible signals installed at corridor intersections

(f) 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

2.1-8.3.7.3 Bath Stations:

(1) alarm turned off only at bath station where it was initiated

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

(3) 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

MDPH/DHCFLC 05/15 IP5
2.1-8.4.2 **PLUMBING & OTHER PIPING SYSTEMS**

2.1-8.4.2.2 Hemodialysis/Hemoperfusion:

(1) **check if not included in project**

(a) Separate treated water distribution system

(2) **check if not included in project** (only if dialysis equipment used includes water treatment)

(b) treated water outlet for each individual hemodialysis treatment bay, hemodialysis equipment repair area & dialysate preparation area

(1)(a) Drainage system independent from tap water

(2) Liquid waste system for hemodialysis treatment area designed to minimize odor & prevent backflow

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

(2) special provisions to protect space below from leakage & condensation

2.1-8.4.3 **PLUMBING FIXTURES**

2.1-8.4.3.1 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

2.1-8.4.3.3 

2.1-8.4.3.4 Ice-Making Equipment:

(1) copper tubing provided for supply connections

2.1-8.4.3.5 Clinical Sinks:

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

(2) handles min. 6 inches long

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

2.1-8.4.3.6 Bedpan Washers:

(1) bedpan washer provided in each inpatient toilet room

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

(1) 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