COMPLIANCE CHECKLIST

IP3 Pediatric & Adolescent Oncology 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: ____________________________
## Architectural Requirements

### PEDIATRIC & ADOLESCENT ONCOLOGY PATIENT CARE UNIT

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

2.2-2.2.2 PATIENT ROOM

2.2-2.4.2.2 Pediatric patient rooms separated from adult populations

### Capacity:

2.2-2.2.2.1

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

### Space Requirements:

2.2-2.2.2.2

1. Single-patient rooms
   - Min. clear floor area 120 sf
   - 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

2. Multiple-patient rooms
   - Min. clear floor area 100 sf per bed
   - Min. clearance 3'-0" between sides of bed & any wall or any other fixed obstruction
   - Min. clearance 4'-0" at foot of each bed to permit passage of equipment & beds

<table>
<thead>
<tr>
<th>Ventilation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min. 4 air changes per hour</td>
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<table>
<thead>
<tr>
<th>Lighting:</th>
</tr>
</thead>
<tbody>
<tr>
<td>General lighting</td>
</tr>
<tr>
<td>Reading light for each patient bed</td>
</tr>
<tr>
<td>Night-light located in each patient room</td>
</tr>
<tr>
<td>No central control of night-lights outside room</td>
</tr>
<tr>
<td>Night-light illuminates path from room entrance to bedside</td>
</tr>
<tr>
<td>Night-light illuminates path between bed &amp; toilet room</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2.2-2.3.7.3(1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No light coves with non-flush surfaces &amp; areas that collect dust</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>2.2-2.3.7.3(2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting adjustable to meet standards for high visibility during procedures &amp; still provides for sleep &amp; comfort of patient</td>
</tr>
</tbody>
</table>
### Architectural Requirements

2.2-2.2.2.3 Windows in Patient Rooms:  
--- each patient room provided with natural light by means of window to outside

2.1-7.2.2.5(1)  
--- 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(2)  
☐ check if not included in project  
--- operable windows in patient rooms  
--- window operation is limited with either stop limit/restrictor hardware or open guard/screen

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

2.2-2.2.4 Patient Privacy:  
2.1-2.1.2  
--- provisions are made to address patient visual & speech privacy

2.1-2.2.5 Handwashing Station in Patient Room:  
2.1-2.2.5.1  
--- provided in patient room in addition to that in toilet room
(1)  
--- adjacent* to entrance to patient room for use by health care personnel & others

Multiple-Patient Rooms:  
☐ check if not included in project  
(2)  
--- handwashing station located outside patients cubicle curtains

2.1-2.2.6 Patient toilet room  
2.1-2.2.6.2  
--- in patient care units patient toilet room serve no more than one patient room

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

2.2-2.2.2.7 Patient Bathing Facilities:  
(1)  
--- located in toilet room  
--- directly accessible from each patient room

or

(1)(b)  
--- located in central bathing facility

### Building Systems Requirements

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

Nurse Call System:  
--- Patient station  
--- Staff assistance station  
--- Emergency call station

Medical Gases:  
--- 1 OX, 1 VAC per bed

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

Nurse Call System:  
--- Bath station
**Architectural Requirements**

(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) __ following functions be provided
- __ 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

(3) 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

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

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

**Building Systems Requirements**

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

Nurse Call System:
- __ Bath station Table 2.1-2

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

Nurse Call System:
- __ Bath station Table 2.1-2

**PATIENT/FAMILY-CENTERED CARE**

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

2.2-2.3
2.2-2.4.2.1 Pediatric patient rooms include provisions for family support (e.g. hygiene sleeping & personal belongings)
### Architectural Requirements

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>(1)</td>
<td>Space provided in patient room to support visitation by family members &amp; others</td>
</tr>
<tr>
<td>(a)</td>
<td>space for movable seating with min. of one seat for family member or visitor &amp; one seat for patient</td>
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<tr>
<td>(b)</td>
<td>space for at least one chair for long-term sitting</td>
</tr>
<tr>
<td>(2)</td>
<td>space provided for family sleeping accommodation</td>
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<tr>
<td>(3)</td>
<td>Public communication services be provided in each patient room</td>
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</table>

### Building Systems Requirements

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### SPECIAL PATIENT CARE ROOMS

2.2.3.2.2(1) Combination airborne infection isolation/protective environment (AII/PE) room

2.2.4.4 at least one combination AII/PE room

2.1.4.2.2 complies with requirements applicable to patient rooms

(1) capacity one bed

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

(3) handwashing station

Ventilation:

- Min. 12 air changes per hour Table 7.1
- Exhaust
- Positive pressure
- No recirculating room units
- Exhaust register located directly above patient bed on ceiling or on wall near head of bed

2.1.2.2.6.3(1) toilet

2.1.2.2.6.3(2) handwashing station

2.1.2.2.6.3(3) bedpan washer

Architectural Details & Furnishings:

- perimeter walls ceiling & floor including penetrations constructed to prevent air exfiltration

- self-closing devices on all room exit doors

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

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

- window treatments do not include fabric drapes & curtains

- floors are monolithic & integral coved wall bases are at least 6" high & tightly sealed to wall

- room pressure visual or audible alarm
## Architectural Requirements

### 2.2-2.2.4.4(5)
(a) Special Design Elements:
   - monolithic ceiling
   - surfaces are cleanable
(b) lighting fixtures have lenses & are sealed

### 2.2-2.2.4.5(3)
(a) anteroom
   - provides space for persons to don personal protective equipment before entering patient room
(b) all doors to anteroom have self-closing devices
   or
   - audible alarm activated when AII/PE room is in use as isolation room

### 2.1-2.4.2.3
(3)(a) handwashing station
(3)(b) storage for unused PPE
(3)(c) disposal/holding container for used PPE

### 2.2-2.3.2.2(2)
☐ Protective environment (PE) room
☐ check if not included in project
☐ (only if no hematopoietic cell transplantation patients are present in oncology unit)

### 2.1-2.4.2.2
☐ complies with requirements applicable to patient rooms
(1) capacity one bed
(2) personal protective equipment (PPE) storage at entrance to room
(3) handwashing station

### 2.1-2.2.6.3(1)
- bathtub or shower

### 2.1-2.2.6.3(2)
- toilet

### 2.1-2.2.6.3(3)
- handwashing station
- bedpan washer

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

## Building Systems Requirements

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Min. 10 air changes per hour</th>
<th>Min. 12 air changes per hour</th>
<th>Positive pressure</th>
<th>No recirculating room units</th>
<th>Ann. 10 air changes per hour</th>
<th>No recirculating room units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust</td>
<td></td>
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<tr>
<td>Part 3/7.2.2</td>
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Table 7.1
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>(3)(a) handwashing station</td>
<td></td>
</tr>
<tr>
<td>(3)(b) storage for unused PPE</td>
<td></td>
</tr>
<tr>
<td>(3)(c) disposal/holding container for used PPE</td>
<td></td>
</tr>
</tbody>
</table>

2.1-2.4.2.4 Architectural Details & Furnishings:
(1)(a) perimeter walls, ceiling & floor including penetrations constructed to prevent air exfiltration
(1)(b) self-closing devices on all room exit doors
or activation of audible alarm when PE room is in use as isolation room
edge seals provided along sides & top of doorframe for any door into PE room
(2)(a) window treatments do not include fabric drapes & curtains

2.1-2.4.2.5 room pressure visual or audible alarm

2.2-2.2.4.4 Special Design Elements:
(a) monolithic ceiling
(b) surfaces are cleanable

2.2-2.3.4 ADDITIONAL REQUIREMENTS FOR BONE MARROW/STEM CELL TRANSPLANT UNIT
☐ check if not included in project

2.2-2.3.2.1 Patient rooms in allogeneic/autologous bone marrow/stem cell transplant units meet Protective Environment Room requirements

2.2-2.3.2.2(2) Protective environment (PE) room
2.1-2.4.2.2 comply with requirements applicable to patient rooms
(1) capacity one bed
(2) personal protective equipment (PPE) storage at entrance to room
(3) handwashing station
(4) patient toilet room
(5) serves only one AI room
(6) bathtub or shower

Ventilation:
| | Min. 12 air changes per hour | Table 7.1 |
| | Positive pressure | No recirculating room units |

2.2-2.3.3 ADDED REQUIREMENTS FOR BONE MARROW/STEM CELL TRANSPLANT UNIT

Ventilation:
| | Min. 10 air changes per hour | Table 7.1 |
| | Exhaust | |
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>2.1-2.2.6.3(1)</td>
<td>toilet</td>
</tr>
<tr>
<td>2.1-2.2.6.3(2)</td>
<td>handwashing station</td>
</tr>
<tr>
<td>2.1-2.2.6.3(3)</td>
<td>bedpan washer</td>
</tr>
</tbody>
</table>
| 2.1-2.4.2.3 | anteroom  
☐ check if not included in project  
(1) provides space for persons to don personal protective equipment (PPE) before entering patient room  
(2) all doors to anteroom have self-closing devices  
or  
☐ audible alarm activated when PE room is in use as isolation room |
| 2.1-2.4.2.4 | Architectural Details & Furnishings:  
(1)(a) perimeter walls ceiling & floor including penetrations constructed to prevent air exfiltration  
(1)(b) self-closing devices on all room exit doors  
or  
☐ activation of audible alarm when PE room is in use as isolation room  
☐ edge seals provided along sides & top of doorframe for any door into PE room  
(2)(a) window treatments do not include fabric drapes & curtains |
| 2.2-2.2.4.4(5) | Special Design Elements:  
(a) monolithic ceiling  
☐ surfaces are cleanable  
(b) lighting fixtures have lenses & are sealed  
2.2-2.3.4.3(1)(a) all windows in room have fixed sash & are sealed to eliminate infiltration  
2.2-2.3.4.3(1)(b) view panels provided in doors or walls for nursing staff observation  
2.2-2.3.4.3(2) means provided to cover windows & view panels when patient requires visual privacy |

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
</table>
| 2.1-2.2.6.3(1) | Negative pressure  
☐ No recirculating room units  
☐ Supply air diffusers are located above patient bed  
☐ Exhaust grilles or registers located near patient room door |
| Part 3/7.2.2 | Ventilation:  
☐ Min. 10 air changes per hour  
Table 7.1  
☐ No recirculating room units |
## Architectural Requirements

### SPECIAL DESIGN ELEMENTS FOR ONCOLOGY PATIENT CARE UNITS

#### Architectural Details:

1. **no decorative water features**
2. **no fish tanks**
3. **no decorative plant boxes or containers** inside or immediately adjacent* to oncology patient care unit

#### Surfaces & Furnishings:

1. **frequently touched surfaces** in patient’s environment of care designed to facilitate cleaning & disinfection
2. **cabinetry, casework & countertops** have flush surfaces that are smooth, nonporous, cleanable, wipeable & durable & that do not scratch easily
3. **window treatments & privacy curtains** provided in accordance with 2.1-7.2.4.2
   - **no fabric drapes**
   - **no fabric privacy curtains**
   - **window treatments & privacy curtains wipeable**

## Building Systems Requirements

### SUPPORT AREAS FOR ONCOLOGY PATIENT CARE UNITS

#### Administrative center or nurse station

- **space for counters**

#### Handwashing station

- **next to or directly accessible***
  - **hand sanitation dispenser next to or directly accessible***

#### Center for reception & communication

- **self-contained**
  - **combined with administrative center or nurse station**

#### Documentation area

- **work surface to support documentation process**

#### Nurse or supervisor office

#### Multipurpose room

- **at least one multipurpose room for each facility for patient conferences, reports, education, training sessions & consultation (may serve several patient care units & departments)**
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
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<tbody>
<tr>
<td>2.2-2.2.8.7</td>
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<tr>
<td>2.1-2.8.7.1</td>
<td>Handwashing station</td>
</tr>
<tr>
<td>2.2-2.8.8.8</td>
<td>Medication safety zones</td>
</tr>
<tr>
<td>2.1-2.8.8.1(2)</td>
<td>Design Promoting Safe Medication Use:</td>
</tr>
<tr>
<td>(a)</td>
<td>medication safety zones located out of circulation paths</td>
</tr>
<tr>
<td>(b)</td>
<td>work space designed so that staff can access information &amp; perform required tasks</td>
</tr>
<tr>
<td>(c)</td>
<td>work counters provide space to perform required tasks</td>
</tr>
<tr>
<td>(e)</td>
<td>sharps containers placed at height that allows users to see top of container</td>
</tr>
<tr>
<td>(f)</td>
<td>max. 45 dBA noise level caused by building systems</td>
</tr>
<tr>
<td>2.1-2.8.8.2(1)</td>
<td>medication preparation room</td>
</tr>
<tr>
<td>(a)</td>
<td>under visual control of nursing staff</td>
</tr>
<tr>
<td>(b)</td>
<td>work counter</td>
</tr>
<tr>
<td>(c)</td>
<td>self-contained medication-dispensing unit</td>
</tr>
<tr>
<td>or</td>
<td>room designed with space to prepare medications</td>
</tr>
<tr>
<td>2.1-2.8.8.2(2)</td>
<td>automated medication-dispensing unit</td>
</tr>
<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>
<tr>
<td>2.2-2.8.9.9</td>
<td>Nourishment area or room</td>
</tr>
<tr>
<td>2.1-2.8.9.2(1)</td>
<td>handwashing station</td>
</tr>
<tr>
<td>2.1-2.8.9.2(2)</td>
<td>work counter</td>
</tr>
<tr>
<td>2.1-2.8.9.2(3)</td>
<td>refrigerator</td>
</tr>
<tr>
<td>2.1-2.8.9.2(4)</td>
<td>microwave</td>
</tr>
<tr>
<td>2.1-2.8.9.2(5)</td>
<td>storage cabinets</td>
</tr>
<tr>
<td>2.1-2.8.9.2(6)</td>
<td>space for temporary storage of food service implements</td>
</tr>
<tr>
<td>2.1-2.8.9.3</td>
<td>provisions &amp; space are included for separate temporary storage of unused &amp; soiled meal trays</td>
</tr>
</tbody>
</table>

Lighting:
- Task lighting

Ventilation:
- Min. 4 air changes per hour

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

Nurse Call System:
- Duty station (light/sound signal)
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
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<tbody>
<tr>
<td>2.2-2.2.8.10  Ice-making equipment</td>
<td></td>
</tr>
<tr>
<td>___ located in each patient care unit</td>
<td>Min. 4 air changes per hour Table 7.1</td>
</tr>
<tr>
<td>___ equipment to provide ice for treatments &amp; for nourishment</td>
<td>Positive pressure</td>
</tr>
<tr>
<td>2.2-2.2.8.11  Clean workroom or clean supply room</td>
<td>Nurse Call System:</td>
</tr>
<tr>
<td>___ clean workroom</td>
<td>Duty station (light/sound signal) Table 2.1-2</td>
</tr>
<tr>
<td>___ used for preparing patient care items</td>
<td></td>
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<tr>
<td>___ work counter</td>
<td></td>
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<tr>
<td>___ handwashing station</td>
<td></td>
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<tr>
<td>___ storage facilities for clean &amp; sterile supplies</td>
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<tr>
<td>(1)</td>
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<td>(2)</td>
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<td>(3)</td>
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<tr>
<td>2.1-2.8.11.3  or clean supply room</td>
<td></td>
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<tr>
<td>___ 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 Table 7.1</td>
</tr>
<tr>
<td>___ work counter</td>
<td>Positive pressure</td>
</tr>
<tr>
<td>2.2-2.2.8.12  Soiled workroom or soiled holding room</td>
<td>Nurse Call System:</td>
</tr>
<tr>
<td>___ soiled workroom</td>
<td>Duty station (light/sound signal) Table 2.1-2</td>
</tr>
<tr>
<td>___ handwashing station</td>
<td></td>
</tr>
<tr>
<td>(1)(a)</td>
<td></td>
</tr>
<tr>
<td>(1)(b)</td>
<td></td>
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<tr>
<td>(1)(c)</td>
<td></td>
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<tr>
<td>(1)(d)</td>
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<tr>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>(a)</td>
<td></td>
</tr>
<tr>
<td>(b)</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>2.1-2.8.12.3  or soiled holding room</td>
<td></td>
</tr>
<tr>
<td>___ handwashing station or hand sanitation station</td>
<td>Min. 10 air changes per hour Table 7.1</td>
</tr>
<tr>
<td>___ space for separate covered containers for waste &amp; soiled linen</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>
<tr>
<td>(b)</td>
<td></td>
</tr>
<tr>
<td>2.1-2.8.13.1  Clean linen storage</td>
<td></td>
</tr>
<tr>
<td>___ stored in clean workroom</td>
<td></td>
</tr>
<tr>
<td>___ separate closet</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>___ covered cart distribution system on each floor</td>
<td></td>
</tr>
<tr>
<td>(2)</td>
<td></td>
</tr>
<tr>
<td>___ storage of clean linen carts in designated corridor alcoves, clean workroom or closets</td>
<td></td>
</tr>
<tr>
<td>Architectural Requirements</td>
<td>Building Systems Requirements</td>
</tr>
<tr>
<td>----------------------------</td>
<td>------------------------------</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></td>
<td>(1) ____ each patient care unit has at least one emergency equipment storage location</td>
</tr>
<tr>
<td></td>
<td>(2) ____ provided under visual observation of staff</td>
</tr>
<tr>
<td></td>
<td>(3) ____ storage locations in corridors do not encroach on min. 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>2.1-2.8.14.2</td>
<td>____ service sink or floor-mounted mop sink</td>
</tr>
<tr>
<td></td>
<td>(2) ____ provisions for storage of supplies &amp; housekeeping equipment</td>
</tr>
<tr>
<td></td>
<td>(3) ____ handwashing station</td>
</tr>
<tr>
<td></td>
<td>or ____ hand sanitation station</td>
</tr>
<tr>
<td>2.2-2.8.15</td>
<td>____ Examination room</td>
</tr>
<tr>
<td></td>
<td>(1) ____ check if not included in project (only if all patient rooms in patient care unit are single-patient rooms)</td>
</tr>
<tr>
<td></td>
<td>(2) ____ designed for single patient</td>
</tr>
<tr>
<td></td>
<td>or ____ serves only one patient care unit</td>
</tr>
<tr>
<td></td>
<td>____ serves more than one patient care unit on same floor</td>
</tr>
<tr>
<td></td>
<td>____ centrally located</td>
</tr>
<tr>
<td>2.1-2.1.2</td>
<td>____ Patient privacy: provisions are made to address patient visual &amp; speech privacy</td>
</tr>
<tr>
<td>2.1-3.2.2.1</td>
<td>____ Space Requirements:</td>
</tr>
<tr>
<td></td>
<td>(1) ____ min. clear floor area 120 sf</td>
</tr>
<tr>
<td></td>
<td>____ min. clear dimension 10'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>(2)(a) ____ room size permits room arrangement with min. clearance 3'-0&quot; at each side &amp; at foot of exam table</td>
</tr>
<tr>
<td></td>
<td>____ room arrangement (layout #1) shown in the plans</td>
</tr>
<tr>
<td></td>
<td>(2)(b) ____ exam table, recliner or chair is placed at angle closer to one wall</td>
</tr>
<tr>
<td>2.1-8.3.4.3(3)</td>
<td>____ Ventilation:</td>
</tr>
<tr>
<td></td>
<td>____ Min. 6 air changes per hour Table 7.1</td>
</tr>
<tr>
<td></td>
<td>____ Min. 10 air changes per hour Table 7.1</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>2.1-8.3.4.3(3)</td>
<td>____ Lighting:</td>
</tr>
<tr>
<td></td>
<td>____ Portable or fixed exam light 2.1-8.3.4.3(3)</td>
</tr>
<tr>
<td>2.1-1-1</td>
<td>____ Power:</td>
</tr>
<tr>
<td></td>
<td>____ Min. 8 receptacles in total Table 2.1-1</td>
</tr>
<tr>
<td></td>
<td>____ Min. 4 receptacles convenient to head of gurney or bed</td>
</tr>
</tbody>
</table>
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Checkmark/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>than another or against wall to accommodate type of patient being served</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>room arrangement (layout #2) shown in the plans</td>
<td></td>
</tr>
</tbody>
</table>

2.1-3.2.2.2(2)  ☐ storage for supplies

2.1-3.2.2.2(3)  ☐ accommodations for written or electronic documentation

2.1-3.2.2.2(4)  ☐ space for visitor’s chair

(5) ☐ handwashing station

#### SUPPORT AREAS FOR PATIENTS

2.2-2.4.10  ☐ Patient play areas

☐ check if not included in project

☐ play areas constructed of surfaces & materials that are easy to clean & durable (nonporous & smooth)

#### SUPPORT AREAS FOR STAFF

2.1-2.9.1  ☐ Staff lounge

☐ min.100 sf

2.1-2.9.2  ☐ Staff toilet room (permitted to are unisex)

2.1-2.9.2.1  ☐ readily accessible* to each patient care unit

2.1-2.9.2.2  ☐ toilet & handwashing station

2.1-2.9.3  ☐ Staff storage facilities

2.1-2.9.3.1  ☐ securable closets or cabinet compartments for personal articles of staff

☐ located in or near nurse station

#### SUPPORT AREAS FOR PATIENTS FAMILIES & VISITORS

2.2-2.3.10  ☐ Family & visitor lounge

☐ each patient care unit provides access to lounge for family & visitors

2.1-2.10.1.1  ☐ Size:

☐ accommodates at minimum 3 chairs & 1 wheelchair space

☐ accommodates at least 1 person for every 4 beds in unit

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

2.2-2.3.10.2  ☐ some portion of occupied space permits privacy for visitors

2.2-2.3.10.3

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Checkmark/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurse Call System:</td>
<td></td>
</tr>
<tr>
<td>☐ Staff assistance station</td>
<td></td>
</tr>
<tr>
<td>☐ Emergency call station</td>
<td></td>
</tr>
</tbody>
</table>

#### Ventilation:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Checkmark/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Min. 10 air changes per hour</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 10 air changes per hour</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 10 air changes per hour</td>
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</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>
</tbody>
</table>

#### Communications:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Checkmark/Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Public communication services provided in each family &amp; visitor lounge</td>
<td></td>
</tr>
</tbody>
</table>

2.1-2.10.1.6

---

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Architectural Requirements

Building Systems Requirements

(1) area for communications (e.g. cell phones, computers, wireless Internet access)

(2) patient-family information stations

(3) access to beverages & nourishment

2.2-2.2.10.2

(1) Toilet room

handwashing station

readily accessible* to multipurpose room

2.2-2.2.10.4

Place for meditation & prayer

at least one dedicated quiet space to support meditation, bereavement or prayer

*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

or

Detailed code review incorporated in Project Narrative

Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width

or

Detailed code review incorporated in Project Narrative

2.1-7.2.2.2

CEILING HEIGHT:

(1) Min ceiling height 7'-6" in corridors & in normally unoccupied spaces

(3) Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds & on stretchers

Min. ceiling height 7'-10" in other areas

DOORS & DOOR HARDWARE:

(1) Door Type:

(a) doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors

(b) sliding doors

☐ check if not included in project

□ manual or automatic sliding doors comply with NFPA 101

□ detailed code review incorporated in Project Narrative

□ no floor tracks

(2) Door Opening:

(a) min. 45.5" clear door width for patient rooms

□ min. 83.5" clear door height for patient rooms

(b) swinging doors for personnel use in addition to sliding doors

☐ check if not included in project

□ min. clear width 34.5"

(3) Door Swing:

(a) doors do not swing into corridors except doors to non-occupiable spaces & doors with emergency breakaway hardware
(4) Lever hardware or push/pull latch hardware

(5) Doors for Patient Bathing/Toilet Facilities:
   (a) two separate doors
   or
   (b) door that swings outward
   or
   (c) door equipped with emergency rescue hardware (permits quick access from outside the room to prevent blockage of the door)
   or
   (d) sliding door other than pocket door

2.1-7.2.2.5 WINDOWS IN PATIENT ROOMS:
2.1-7.2.2.5(1) Each patient room provided with natural light by means of window to outside
2.1-7.2.2.5(2) Operable windows in patient rooms or suites
   ☐ check if not included in project
   ☐ visual privacy is maintained
2.1-7.2.2.6 insect screens
2.1-7.2.2.5(3) Window Size In Patient Rooms:
   (a) minimum net glazed area be no less than 8% of required min. clear floor area of room served
   (b) maximum 36 inches windowsill height above finished floor

2.1-7.2.2.7 GLAZING MATERIALS:
   ☐ Glazing within 1 foot 6 inches of floor
   ☐ must be safety glass, wire glass or plastic break-resistant material

2.1-7.2.2.8 HANDWASHING STATIONS:
   (1)(c) Handwashing stations in patient care areas located so they are visible & unobstructed
   (a) Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly
   (b) Countertops substrate
   ☐ check if not included in project
   ☐ marine-grade plywood (or equivalent material) with impervious seal
   (4) Handwashing station casework
   ☐ check if not included in project
   ☐ designed to prevent storage beneath sink
   (5) Provisions for drying hands
   (a) hand-drying device does not require hands to contact dispenser
   (b) hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing
   (6) Liquid or foam soap dispensers

2.1-7.2.2.9 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

2.1-7.2.2.10 HANDRAILS:
   (1) Handrails installed on both sides of patient use corridors
   (3) Rail ends return to wall or floor
   (4) Handrail gripping surfaces & fasteners are smooth (free of sharp or abrasive elements) with 1/8-inch min. radius
   (5) Handrails have eased edges & corners
   (6) Handrail finishes are cleanable

2.1-7.2.2.12 NOISE CONTROL:
   (1) Recreation rooms, exercise rooms equipment rooms & similar spaces where impact noises may be generated are not located directly over patient bed areas
   or
   Special provisions are made to minimize impact noise
   (2) Noise reduction criteria in Table 1.2-6 applicable to partitions, floors & ceiling construction are met in patient areas
2.1-7.2.14 **DECORATIVE WATER FEATURES:**

(1) No indoor unsealed water features

(2) Covered fish tanks

☐ check if not included in project

☐ restricted to public areas

2.1-7.2.3 **SURFACES**

2.1-7.2.3.1 **FLOORING & WALL BASES:**

(1) Flooring surfaces cleanable & wear-resistant for location

(3) Smooth transitions provided between different flooring materials

(4) Flooring surfaces including those on stairways are stable, firm & slip-resistant

(5) Floors & wall bases of soiled workrooms, toilet rooms & other areas subject to frequent wet cleaning are constructed of materials that are not physically affected by germicidal or other types of cleaning solutions.

2.1-7.2.3.2 **WALLS & WALL PROTECTION:**

(1)(a) Wall finishes are washable

(1)(b) Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant

(2) Wall surfaces in areas routinely subjected to wet spray or splatter (e.g. environmental services rooms) are monolithic or have sealed seams that are tight & smooth

(5) Wall protection devices & corner guards durable & scrubbable

2.1-7.2.3.3 **CEILINGS:**

(1) Ceilings provided in all areas except mechanical, electrical & communications equipment rooms

(a) Ceilings cleanable with routine housekeeping equipment

(b) Acoustic & lay-in ceilings where used do not create ledges or crevices

2.1-7.2.4 **FURNISHINGS**

2.1-7.2.4.1 Built-In Furnishings:

☐ check if not included in project

☐ upholstered with impervious materials in patient treatment areas

2.1-7.2.4.2 Window Treatments in Patient Rooms & Other Patient Care Areas:

(1) Patient-controlled window treatments allow for patient privacy & 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**

**UTILITIES:**

Part 3/6.1 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:

☐ heat sources 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 3/6.2 Central cooling systems greater than 400 tons (1407 kW) peak cooling load

☐ check if not included in project

☐ cooling sources sufficient to support facility operation plan upon breakdown or routine maintenance of any one of cooling sources

Part 3/6.2.1 **AIR-HANDLING UNIT (AHU) DESIGN:**

☐ 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:

☐ 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 intakes on top of buildings
☐ 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 3/6.5 HEATING & COOLING SYSTEMS:
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:
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—HOSPITAL
SPACES:
Spaces ventilated according
to Table 7.1
Air movement is from clean to less-
clean areas
Min. number of total air changes
required for positive pressure rooms
is provided by total supply airflow
Min. number of total air changes
required for negative pressure rooms
is provided by total exhaust airflow

Part 3/7.1.a Air recirculation through room unit
☐ check if not included in project
complies with Table 7.1
room unit receive filtered &
conditioned outdoor air
serve only a single space
provides min. MERV 6 filter
located upstream of any cold
surface so that all of air passing
over cold surface is filtered
Part 3/7.2 ADDITIONAL ROOM-SPECIFIC REQUIREMENTS:

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

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

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

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

Part 3/7.2.3 Combination Airborne Infectious Isolation/Protective Environment Room (AII/PE)
☐ check if not included in project
- Supply air diffusers are located above patient bed
- Exhaust grilles or registers are located near patient room door.
- Anteroom
☐ check if not included in project
- Anteroom is at positive pressure with respect to both AII/PE room & corridor or common space
- or

☐ check if not included in project

First device monitors pressure differential between AII/PE room & anteroom
Second device monitors pressure differential between anteroom & corridor or common space
Local visual means are provided to indicate whenever differential pressures are not maintained

2.1-8.3 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
- essential electrical system complies with NFPA 99
- emergency electrical power complies with NFPA 99

2.1-8.3.4 LIGHTING:
2.1-8.3.4.2 Luminaires in wet areas have smooth cleanable shatter-resistant lenses & no exposed lamps
- incandescent & halogen lights
☐ check if not included in project
- light covered by diffuser or lens flexible light arms
☐ check if not included in project
- mechanically controlled to prevent lamp from contacting bed linen

2.1-8.3.4.3(1) Reading light for each patient bed
- 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
### Electrical Receptacles:

#### 2.1-8.3.6

1. **Duplex-Grounded Receptacles**:
   - Receptacles in corridors:
     - Duplex-grounded receptacles for general use installed 50'-0" apart or less in all corridors.
     - Duplex-grounded receptacles for general use installed within 25'-0" of corridor ends.

### Essential Electrical System Receptacles:

1. **Cover Plates**:
   - Cover plates for electrical receptacles supplied from essential electrical system are distinctly colored or marked for identification.

2. **Same Color**:
   - Same color is used throughout facility.

### Plumbing Systems

#### 2.1-8.4

1. **Plumbing & Other Piping Systems**:
   - No plumbing piping exposed overhead or on walls where possible accumulation of dust or soil may create cleaning problem.

2. **Heated Potable Water Distribution Systems**:
   - Heated potable water distribution systems serving patient care areas are under constant recirculation.

3. **Dead-End Piping**:
   - No installation of dead-end piping (except for empty risers mains & branches for future use).

4. **Existing Dead-End Piping**:
   - Any existing dead-end piping is removed.

5. **Water Heating System**:
   - Water-heating system supplies water at temperatures & amounts indicated in Table 2.1-4.

6. **Drainage Systems**:
   - Drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets.
   - Drip pan for drainage piping above ceiling of sensitive area.

### Plumbing Fixtures:

#### 2.1-8.4.3

1. **Materials**:
   - Materials used for plumbing fixtures are non-absorptive & acid-resistant.

2. **Handwashing Station Sinks**:
   - Designed with basins that will reduce risk of splashing to areas for direct patient care & medication preparation.

3. **Sink Basin Dimensions**:
   - Sink basins have nominal size of no less than 144 square inches.
   - Sink basins have min. dimensions; 9 inches in width or length.

4. **Porcelain, Stainless Steel or Solid-Surface Materials**:
   - Sink basins are made of porcelain, stainless steel or solid-surface materials.

5. **Water Discharge Point**:
   - Water discharge point is min. 10" above bottom of basin.

6. **Architectural & Engineering Standards**:
   - Anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied.

7. **Ice-Making Equipment**:
   - Copper tubing provided for supply connections to ice-making equipment.

8. **Clinical Flushing-Rim Sinks**:
   - Trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices).

9. **Shower & Tub**:
   - Nonslip surfaces.

10. **Ice-Making Equipment**:
    - Copper tubing provided for supply connections to ice-making equipment.

11. **Clinical Flushing-Rim Sinks**:
    - Trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices).

12. **Handles**:
    - Handles are at least 6 in. long.

13. **Integral Trap**:
    - Integral trap wherein upper portion of water trap provides visible seal.
2.1-8.4.3.7 **Bedpan-Rinsing Devices:**
(1) bedpan-rinsing devices provided in each inpatient toilet room
(2) use cold water only

2.1-8.4.4 **MEDICAL GAS & VACUUM SYSTEMS**
Station outlets provided as indicated in Table 2.1-3

2.1-8.5.1 **CALL SYSTEMS**
2.1-8.5.1.1
(1) Nurse call stations provided as required in Table 2.1-2
(2) Nurse call systems report to attended location with electronically supervised visual & audible annunciation
(4) Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment"
(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:**
(1) bath station that can be activated by patient lying on floor provided at each patient toilet, bathtub or shower stall
(2) alarm in these areas can only be turned off at bath station where it was initiated
(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**