COMPLIANCE CHECKLIST

OP13 Freestanding Emergency Care Facilities

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 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)
- 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
- 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.

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, 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 and reproduced in this checklist.

Facility Name: ___________________________  DoN Project Number: (if applicable) ___________________________

Facility Address: ___________________________

Satellite Name: (if applicable) ___________________________  Building/Floor Location: ___________________________

Satellite Address: (if applicable) ___________________________

Submission Dates:
Initial Date: ___________________________
Revision Date: ___________________________

Project Description: ___________________________

MDPH/DHCFLC 12/18 OP13
**Architectural Requirements**

2.8

**SATELLITE EMERGENCY FACILITY**

2.8-1.1 Application:

2.8-1.1.1 free-standing emergency care facility that is not located on same campus as hospital

2.8-3

**PATIENT CARE & DIAGNOSTIC AREAS**

2.8-3.2 Reception & triage area

2.8-6.2.2.1(1) located near both pedestrian & vehicular drop-off entrances & designed to allow staff to monitor entrances

(2) public access points to treatment area are under direct observation from reception & triage areas

2.8-6.2.2.2 Triage area

(2) provisions for patient privacy

(3) handwashing stations

(a) provided in each triage room

(b) 1 handwashing station provided for every 4 triage bays or cubicles

(4) hand sanitation dispenser provided in each triage bay or cubicle

(5) access to panic button for security emergencies

Ventilation:

Min. 12 air changes per hour Table 8.1

Exhaust

Negative pressure

Power:

Min. 6 receptacles Table 2.1-1

Convenient to head of gurney or bed

at least 3 outlets connected to emergency system power

Nurse Call System:

Patient station Table 2.1-3

Staff assistance station

Medical Gases:

1 OX, 1 VAC Table 2.1-2

2.8-3.3 Communications with Emergency Medical Services:

2.8-3.3.1 communication connections to EMS

2.8-3.3.2 EMS base station

☐ check if not included in project

designed to reduce noise distractions & interruptions during radio transmissions

2.8-3.4 Treatment room or area

2.1-3.2.1.1(1) provisions to preserve patient privacy from observation from outside treatment room

2.8-3.4.1.2 exam/treatment rooms used for pelvic exams allow for foot of examination table to face away from door
Architectural Requirements

2.8-3.4.2  Single-patient treatment room

2.8-3.4.2.1  Space Requirements:

New Construction

(1)  min clear floor area 120 sq ft
(2)(a)  min clear dimension 10’-0”

or

Renovation:

(3)  min clear floor area 100 sq ft

2.8-3.4.2.2  Nurse Call System:

(1)  portable or fixed examination light
(2)  accommodations for written and/or electronic documentation
(3)  space for visitor’s chair
(4)  handwashing station
(5)  storage for supplies
(6)  space for medical equipment
(7)  view panel designed for patient visual privacy adjacent* to and/or in door

2.8-3.4.3  Multiple-patient treatment room

☐ check if not included in project

2.8-3.4.3.2  Space Requirements:

(1)  separate patient bays or cubicles with min clear floor area 80 sq ft per patient care station
(2)(a)  min clearance 5’-0” between sides of adjacent* patient beds
(2)(b)  min clearance 4’-0” between sides of patient beds & adjacent* walls or partitions

2.8-3.4.3.3  Means of visual patient privacy

(1)  examination light in each bay or cubicle
(2)  accommodations for written or electronic documentation in each bay or cubicle
(3)  space for visitor’s chair in each bay or cubicle

2.8-3.4.3.4  Handwashing Station:

(1)  at least one handwashing station provided in each multiple-patient treatment room

Building Systems Requirements

Ventilation:

2.8-3.4.2.2  Ventilation:

Min. 6 air changes per hour  Table 8.1

2.8-3.4.3.2  Ventilation:

Min. 6 air changes per hour  Table 8.1

Power:

2.8-3.4.2.2  Power:

Min. 12 receptacles  Table 2.1-1

or

4 convenient to head of exam table or gurney

2.8-3.4.3.2  Power:

Min. 12 receptacles  Table 2.1-1

or

4 convenient to head of exam table or gurney

2.8-3.4.3.3  Nurse Call System:

Patient station  Table 2.1-3

Staff assistance station

Medical Gases:

1 OX, 1 VAC  Table 2.1-2

2.8-3.4.3.3  Medical Gases:

1 OX, 1 VAC  Table 2.1-2

2.8-3.4.3.5  Supply storage provided in multiple-patient treatment room

Table 8.1

Table 2.1-1

Table 2.1-3

Table 2.1-3

Table 2.1-2

Table 2.1-2

Table 2.1-2

Table 2.1-2
Architectural Requirements

### Trauma/Resuscitation Rooms

**2.8-3.4.4.1**
- **Single-patient trauma/resuscitation room**
  - ☐ check if not included in project
  - (a) min. clear floor area 250 sf
  - (b) min. clearance 5'-0" provided around all sides of gurney

**Ventilation:**
- Min. 15 air changes per hour
- Positive pressure
- No recirculating room units

**Power:**
- Table 8.1

**PACS or film illuminators to allow viewing of images & films**
- Handwashing station
- 2 OX, 2 VAC, 1 MA
- Table 2.1-1

**Nurse Call System:**
- Patient station
- Staff assistance station
- Table 2.1-3

**Medical Gases:**
- Examination lights
- Accommodations for written or electronic documentation
- Table 2.1-2

**Storage for personal protective equipment**

### Multiple-patient trauma/resuscitation room

- ☐ check if not included in project
- (a) min. clear floor area 200 sf for each patient care bay defined by privacy curtains
- (b) min. clearance 5'-0" provided around all sides of gurney
- min. clearance 10'-0" between patient beds or gurneys

**Ventilation:**
- Min. 15 air changes per hour
- Positive pressure
- No recirculating room units

**Power:**
- Table 8.1

**PACS or film illuminators to allow viewing of images & films**
- Handwashing station
- 2 OX, 2 VAC, 1 MA
- Table 2.1-1

**Nurse Call System:**
- Patient station
- Staff assistance station
- Table 2.1-3

**Medical Gases:**
- Examination lights
- Accommodations for written or electronic documentation
- Table 2.1-2

**Storage for personal protective equipment**

### Doorways leading from ambulance entrance to T/R room have min clear width 72" & min. height 83.5"
### Dedicated Pediatric Emergency Facilities

2.8-3.4.5

☐ check if not included in project

2.8-3.4.5.1

___ Single-patient pediatric treatment rooms

(1) ___ located adjacent* to family waiting area & toilet room

(2) Space Requirements:

<table>
<thead>
<tr>
<th>New Construction</th>
<th>Ventilation:</th>
<th>Power:</th>
</tr>
</thead>
<tbody>
<tr>
<td>min clear floor area 120 sf</td>
<td>Min. 6 air changes per hour</td>
<td>Table 8.1</td>
</tr>
<tr>
<td>min clear dimension 10'-0&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Renovation:</th>
<th>Nurse Call System:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>min clear floor area 100 sf</td>
<td>Patient station</td>
<td>Table 2.1-3</td>
</tr>
<tr>
<td></td>
<td>Staff assistance station</td>
<td></td>
</tr>
</tbody>
</table>

2.8-3.4.2.2(1) ___ portable or fixed examination light

2.8-3.4.2.2(2) ___ accommodations for written and/or electronic documentation

2.8-3.4.2.2(3) ___ space for visitor's chair

2.8-3.4.2.2(4) ___ handwashing station

2.8-3.4.2.2(5) ___ storage for supplies

2.8-3.4.2.2(6) ___ space for medical equipment

2.8-3.4.2.2(7) ___ view panel designed for patient visual privacy adjacent* to or in door

2.8-3.4.3

☐ check if not included in project

2.8-3.4.3.2

Space Requirements:

<table>
<thead>
<tr>
<th>Ventilation:</th>
<th>Power:</th>
</tr>
</thead>
<tbody>
<tr>
<td>min clear floor area 80 sf per patient care station</td>
<td>Min. 6 air changes per hour</td>
</tr>
<tr>
<td>min clearance 5'-0&quot; between sides of adjacent* patient beds</td>
<td>Min. 12 receptacles</td>
</tr>
<tr>
<td>min clearance 4'-0&quot; between sides of patient beds &amp; adjacent* walls or partitions</td>
<td>4 convenient to head of exam table or gurney</td>
</tr>
</tbody>
</table>

2.1-3.1.2 ___ means of visual patient privacy

2.8-3.4.3.3(1) ___ examination light in each bay or cubicle

2.8-3.4.3.3(2) ___ accommodations for written or electronic documentation in each bay or cubicle

2.8-3.4.3.3(3) ___ space for visitor's chair in each bay or cubicle
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.4.3.4</td>
<td>Handwashing Station:</td>
</tr>
<tr>
<td>(1)</td>
<td>at least one handwashing station provided in each multiple-patient treatment room</td>
</tr>
<tr>
<td>2.1-3.8.7.3(1)</td>
<td>at least one handwashing station provided for every four patient care stations or fewer &amp; for each major fraction thereof</td>
</tr>
<tr>
<td>2.1-3.8.7.3(2)</td>
<td>handwashing stations evenly distributed based on arrangement of patient care stations</td>
</tr>
<tr>
<td>2.8-3.4.3.5</td>
<td>supply storage provided in multiple-patient treatment room</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.4.5.2</td>
<td>Pediatric trauma/resuscitation rooms</td>
</tr>
<tr>
<td>2.8-3.4.4.1(1)</td>
<td>Single-patient T/R room</td>
</tr>
<tr>
<td>(a)</td>
<td>min. clear floor area 250 sf</td>
</tr>
<tr>
<td>(b)</td>
<td>min. clearance 5'-0&quot; provided around all sides of gurney</td>
</tr>
<tr>
<td>2.8-3.4.4.2(1)</td>
<td>space for storage of supplies</td>
</tr>
<tr>
<td>2.8-3.4.4.2(2)</td>
<td>PACS or film illuminators</td>
</tr>
<tr>
<td>2.8-3.4.4.2(3)</td>
<td>handwashing station</td>
</tr>
<tr>
<td>+ Errata</td>
<td>space for code cart</td>
</tr>
<tr>
<td>2.8-3.4.4.2(4)</td>
<td>examination lights</td>
</tr>
<tr>
<td>2.8-3.4.4.2(5)</td>
<td>accommodations for written or electronic documentation</td>
</tr>
<tr>
<td>2.8-3.4.4.2(6)</td>
<td>physiological monitoring equipment</td>
</tr>
<tr>
<td>2.8-3.4.4.2(7)</td>
<td>storage for personal protective equipment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2)</td>
<td>Multiple-patient T/R room</td>
</tr>
<tr>
<td>(a)</td>
<td>min. clear floor area 200 sf for each patient care bay defined by privacy curtains</td>
</tr>
<tr>
<td>(b)</td>
<td>min. clearance 10'-0&quot; between patient beds or gurneys</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation:</td>
<td>Min. 15 air changes per hour</td>
</tr>
<tr>
<td>Positive pressure</td>
<td>No recirculating room units</td>
</tr>
<tr>
<td>Power:</td>
<td>Min. 16 receptacles</td>
</tr>
<tr>
<td>Convenient to patient head</td>
<td>2 OX, 2 VAC, 1 MA per patient</td>
</tr>
</tbody>
</table>

**Nurse Call System:**
- Patient station
- Staff assistance station

**Medical Gases:**
- 2 OX, 2 VAC, 1 MA
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.4.4.2(7)</td>
<td>__ physiological monitoring equipment</td>
</tr>
<tr>
<td>2.8-3.4.4.2(8)</td>
<td>__ storage for personal protective equipment</td>
</tr>
<tr>
<td>2.8-3.4.4.4</td>
<td>__ Doorways leading from ambulance entrance to T/R room have min clear width 72” &amp; min. height 83.5”</td>
</tr>
<tr>
<td>2.8-3.4.5.3</td>
<td>__ Playroom or play area provided in waiting room or waiting area</td>
</tr>
<tr>
<td>2.8-3.4.6</td>
<td>__ Treatment room for patients of size</td>
</tr>
<tr>
<td>2.8-3.4.6.2</td>
<td>__ min. 5'-6&quot; on transfer side of expanded-capacity exam table with ceiling- or wall-mounted lift</td>
</tr>
<tr>
<td>2.8-3.4.6.3</td>
<td>__ room dedicated for patients of size or treatment room subdivided with cubicle curtains or movable partitions to accommodate more than one patient when not used for patient of size each resulting bay or cubicle meets all electrical &amp; medical gas requirements for emergency department treatment areas</td>
</tr>
<tr>
<td>2.1-2.7.1.1(1)</td>
<td>__ min. 5'-0&quot; clearance at foot of expanded-capacity exam table</td>
</tr>
<tr>
<td>2.1-2.7.1.1(2)</td>
<td>__ min. 3'-0&quot; clearance on non-transfer side of expanded-capacity exam table</td>
</tr>
<tr>
<td>2.8-3.4.6.2</td>
<td>__ min. 5'-6&quot; on transfer side of expanded-capacity exam table with ceiling- or wall-mounted lift or</td>
</tr>
<tr>
<td>2.1-2.7.1.1(3)</td>
<td>__ min. 7'-0&quot; on transfer side of expanded-capacity exam table in rooms without ceiling- or wall-mounted lift</td>
</tr>
<tr>
<td>(b)</td>
<td>__ min. 7'-0&quot; on transfer side of expanded-capacity exam table in rooms without ceiling- or wall-mounted lift</td>
</tr>
<tr>
<td>2.8-3.4.6.3</td>
<td>__ room dedicated for patients of size or treatment room subdivided with cubicle curtains or movable partitions to accommodate more than one patient when not used for patient of size each resulting bay or cubicle meets all electrical &amp; medical gas requirements for emergency department treatment areas</td>
</tr>
<tr>
<td>2.1-2.10.1</td>
<td>__ all plumbing fixtures, handrails, grab bars, patient lift, equipment, built-in furniture &amp; other furnishings designed to accommodate maximum patient weight</td>
</tr>
<tr>
<td>2.1-2.10.2</td>
<td>__ all door openings used for path of travel to public areas &amp; areas for care of patients of size have min. clear width of 45.5”</td>
</tr>
<tr>
<td>2.1-2.10.2.1</td>
<td>__ door openings to toilet rooms designated for patients of size have min. clear width of 45.5”</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation:</td>
<td>__ Min. 6 air changes per hour Table 8.1</td>
</tr>
<tr>
<td>Lighting:</td>
<td>__ Portable or fixed exam light 2.1-8.3.4.3(1)</td>
</tr>
<tr>
<td>Power:</td>
<td>__ Min. 8 receptacles Table 2.1-1</td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td>__ 4 convenient to head of exam table or gurney Table 2.1-3</td>
</tr>
<tr>
<td>Medical Gases:</td>
<td>__ 1 OX, 1 VAC Table 2.1-2</td>
</tr>
</tbody>
</table>
## Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.4.8</td>
<td>Human decontamination space</td>
</tr>
<tr>
<td>2.8-3.4.8.1</td>
<td>separate temporary mobile unit that is readily accessible* for deployment</td>
</tr>
<tr>
<td></td>
<td>this mobile unit meet requirements of decontamination room &amp; requirements for Mobile/Transportable Medical Unit</td>
</tr>
<tr>
<td>or</td>
<td>human decontamination room</td>
</tr>
</tbody>
</table>

2.8-3.4.8.2 Human decontamination room

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ check if not included in project (only if separate temporary mobile decontamination unit is provided)</td>
<td></td>
</tr>
</tbody>
</table>

### Location:

1. (a) outside entry door located as far as practical but no less than 10'-0” from closest other entrance
2. (b) internal door provides direct access into corridor of emergency facility or into treatment room
3. (c) internal door swings into room
4. (d) door lockable against ingress from corridor or treatment room

### Space Requirements:

1. Min. clear floor area 80 sf

### Special Architectural Details:

1. all surfaces are smooth, non-porous, scrubbable, non-absorptive & non-perforated
2. floor self-covering to height of 6”

### Special Plumbing Requirements:

1. room equipped with two handheld shower heads
2. temperature controls
3. floor drain
4. dedicated holding tank
5. fixtures are acid resistant
6. portable or hard-piped oxygen
7. portable suction

## Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation:</td>
<td>Min. 12 air changes per hour Table 7.1</td>
</tr>
<tr>
<td>Exhaust</td>
<td>Negative pressure</td>
</tr>
<tr>
<td>No recirculating room units</td>
<td></td>
</tr>
</tbody>
</table>
**Architectural Requirements**

2.8-3.4.9  **Fast-Track Area**
☐ check if not included in project

2.8-3.4.2  __ Single-patient treatment rooms

Space Requirements:

2.8-3.4.9.1  ___ min. clear floor area 100 sf
2.8-3.4.2.1  ___ min. clear dimension 10'-0"
2.8-3.4.9.2  ___ min. clearance 3'-0" at each
           side & at foot of exam table

(1)  ___ portable or fixed examination light
(2)  ___ accommodations for written
      and/or electronic documentation
(3)  ___ space for visitor's chair
(4)  ___ handwashing station
(5)  ___ storage for supplies
(6)  ___ space for medical equipment
(7)  ___ view panel designed for patient
      visual privacy adjacent* to or in door

2.8-3.4.9.2  __ Waiting area designated for fast-track area
☐ check if not included in project

(1)  ___ patient toilet room immediately
     accessible*
(2)  ___ min. 2 chairs per patient treatment room

2.8-3.5.2  __ Airborne infection isolation (AII) room

2.1-3.3.2.1(2)  ___ meets requirements for treatment room
2.1-3.3.2.2(1)  ___ each room designed for only one patient
2.1-3.3.2.2(2)  ___ handwashing station
2.1-3.3.2.2(3)  ___ personal protective equipment (PPE)
      storage
      ___ located at room entrance

2.1-3.3.2.3  __ anteroom
☐ check if not included in project

(1)  ___ anteroom provide space for
      persons to don PPE before
      entering AII room
(2)  ___ all doors to anteroom have self-
      closing devices
(3)(a)  ___ handwashing station
(3)(b)  ___ storage for unused PPE
(3)(c)  ___ disposal/holding container for
      used PPE

2.1-3.3.2.4  Architectural Details & Furnishings:
(1)(a)  ___ perimeter walls ceiling & floor
      including penetrations constructed
      to prevent air exfiltration

**Building Systems Requirements**

2.1-3.3.2.1(2)  ___ meets requirements for treatment room
2.1-3.3.2.2(1)  ___ each room designed for only one patient
2.1-3.3.2.2(2)  ___ handwashing station
2.1-3.3.2.2(3)  ___ personal protective equipment (PPE)
      storage
      ___ located at room entrance

Ventilation:

Min. 6 air changes per hour  Table 8.1

Power:

Min. 12 receptacles  Table 2.1-1

Nurse Call System:

4 convenient to head of exam table or gurney

Medical Gases:

1 OX, 1 VAC  Table 2.1-2

Part 3/7.2.1

Exhaust register located directly
above patient bed on ceiling or
on wall near head of bed
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)(b) self-closing devices on all room exit doors</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>(2)(a) window treatments do not include fabric drapes &amp; curtains</td>
<td></td>
</tr>
<tr>
<td>2.1-3.3.2.5 AII room pressure visual or audible alarm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.5.3 Secure holding room</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>2.8-3.5.3.1 location facilitates staff observation &amp; monitoring of patients</td>
<td></td>
</tr>
<tr>
<td>2.8-3.5.3.2 min. clear floor area of 60 sf</td>
<td></td>
</tr>
<tr>
<td>min. wall length 7'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>maximum wall length 11'-0&quot;</td>
<td></td>
</tr>
<tr>
<td>2.8-3.5.3.3 room designed to prevent injury to patients</td>
<td></td>
</tr>
<tr>
<td>(1) all finishes, light fixtures, vents &amp; diffusers &amp; sprinklers be impact-</td>
<td></td>
</tr>
<tr>
<td>tamper- &amp; ligature resistant</td>
<td></td>
</tr>
<tr>
<td>(2) no electrical outlets, medical gas outlets or similar devices</td>
<td></td>
</tr>
<tr>
<td>(3) no sharp corners edges or protrusions</td>
<td></td>
</tr>
<tr>
<td>walls free of objects or accessories</td>
<td></td>
</tr>
<tr>
<td>(4) doors swing out &amp; have hardware on exterior side only</td>
<td></td>
</tr>
<tr>
<td>(5) door includes small impact-resistant view panel or window for discreet</td>
<td></td>
</tr>
<tr>
<td>staff observation of patient</td>
<td></td>
</tr>
<tr>
<td>2.8-3.5.3.4 min. clear door opening 45.5&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.5.4 Observation space</td>
<td></td>
</tr>
<tr>
<td>☐ at least one observation bed with full cardiac monitoring is provided</td>
<td></td>
</tr>
<tr>
<td>2.5-3.3.1.1 facilities for holding patients until they can be discharged or</td>
<td></td>
</tr>
<tr>
<td>transferred to appropriate hospital</td>
<td></td>
</tr>
<tr>
<td>☐ dedicated observation space</td>
<td></td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>2.5-3.3.1.2 examination or treatment room(s) designated as observation rooms</td>
<td></td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation: Min. 6 air changes per hour Table 8.1</td>
<td></td>
</tr>
</tbody>
</table>
### Architectural Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5-3.3.3.1</td>
<td>Direct visual observation of each patient or door to treatment room from nurse station</td>
</tr>
<tr>
<td>2.5-3.3.3.2(1)</td>
<td>Each observation space design ensures appropriate levels of patient speech &amp; visual privacy &amp; dignity throughout care process</td>
</tr>
<tr>
<td>2.1-3.10.2</td>
<td>Patient toilet room</td>
</tr>
<tr>
<td>2.5-3.3.2(2)</td>
<td>Readily accessible* to each observation space</td>
</tr>
<tr>
<td>2.1-3.10.2.1</td>
<td>Provided separate from public use toilet rooms located to permit access from patient care areas without passing through publicly accessible areas</td>
</tr>
<tr>
<td>2.1-3.10.2.2</td>
<td>Equipped with toilet &amp; handwashing station</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

#### Ventilation:

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.2.3(1)</td>
</tr>
<tr>
<td>2.1-3.5.3.2</td>
</tr>
<tr>
<td>2.1-3.5.1.3(1)</td>
</tr>
<tr>
<td>2.1-3.5.2.2</td>
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</tbody>
</table>

#### Power:

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.2.3(1)</td>
</tr>
<tr>
<td>2.1-3.5.3.2</td>
</tr>
<tr>
<td>2.1-3.5.1.3(1)</td>
</tr>
<tr>
<td>2.1-3.5.2.2</td>
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</table>

#### Imaging Services:

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.6.1</td>
</tr>
</tbody>
</table>

#### Table 2.1-5

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.6.1</td>
</tr>
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</table>

#### Table 8.1

<table>
<thead>
<tr>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-3.6.1</td>
</tr>
</tbody>
</table>
Architectural Requirements

(2)(a) min. clearance 4'-0” on all circulating sides of patient table/bed/couch gantry or assembly

2.1-3.5.2.4(d) Structural Support:
floor & if applicable ceiling structures in imaging rooms designed to support weight of imaging equipment as well as other fixed & movable ancillary equipment

Building Systems Requirements

2.8-3.8 Support Areas for Freestanding Emergency Care Facility:

2.8-3.8.2 Administrative center or nurse station
2.8-3.8.2.3 (may include decentralized nurse stations near clusters of treatment rooms)
2.8-3.8.2.2 nurse master station & central monitoring equipment provided
2.8-3.8.2.4 observation of all traffic into unit & of all patients from nurse station
2.1-3.8.2.1 work counter
2.1-3.8.2.2 means for facilitating staff communication
2.1-3.8.2.3 space for supplies
2.1-3.8.2.4 accommodations for written or electronic documentation
2.1-3.8.2.5 hand sanitation dispenser
2.8-3.8.11 Clean supply room
2.1-3.8.11.3 used only for storage & holding as part of system for distribution of clean & sterile materials

2.8-3.8.12 Soiled workroom
2.1-3.8.12.1 no direct connection with clean workrooms or clean supply rooms
2.1-3.8.12.2(1)
(a) handwashing station
(b) flushing-rim clinical service sink or equivalent flushing-rim fixture
(c) work counter
(d) space for separate covered containers for waste & soiled linen
2.1-3.8.12.2(2) fluid management system
☐ check if not included in project
(a) electrical & plumbing connections that meet manufacturer requirements
(b) space for docking station

Ventilation:

Min. 4 air changes per hour
Min. 10 air changes per hour
Exhaust
Negative pressure
No recirculating room units

Table 8.1
Architectural Requirements

2.8-3.8.13(2)  __ Storage for general medical/surgical supplies, medications & equipment
   __ located out of traffic
   __ located under staff control

2.8-3.8.13(3)  __ Wheelchair & gurney storage area for arriving patients
   __ located out of traffic
   __ access to emergency entrances

2.8-3.8.13(4)  __ Emergency equipment storage
2.1-3.8.13.4(2) __ readily accessible*
   __ under staff control
2.1-3.8.13.4(3) __ storage of battery-powered CPR cart
   __ electrical outlet for battery charging is provided

2.8-3.8.14  __ Environmental services room
2.1-5.3.1.1(3) (may serve more than one clinical service area on same floor)

2.1-5.3.1.1(1) __ min. one ES room per floor
2.1-5.3.1.2(1) __ service sink or floor-mounted mop sink

2.1-5.3.1.2(2) __ provisions for storage of supplies & housekeeping equipment
2.1-5.3.1.2(3) __ handwashing station or hand sanitation dispenser

2.8-3.8.16  __ Security station
   ___ check if not included in project
   ___ located near emergency entrances & triage/reception area
   ___ means of observing public waiting area
   ___ means of observing ED entrances including pedestrian & ambulance entrances
   ___ means of controlling access

2.8-3.9  Support Areas for Staff:

2.8-3.9.1  __ Staff lounge
   ___ immediately accessible* to patient care & diagnostic areas
   ___ min. floor area 100 sf

2.8-3.9.2  __ Staff toilet room
   ___ immediately accessible* to patient care & diagnostic areas

2.8-3.9.2.2  __ toilet & handwashing station
   ___ Ventilation:
   ___ Min. 10 air changes per hour
   ___ Min. 10 air changes per hour
   ___ Exhaust
   ___ Exhaust
   Table 8.1
   Table 8.1

2.8-3.9.3  __ Staff storage facilities
2.8-3.9.3.1  __ securable closets or cabinet compartments for personal articles of staff
   ___ located in or near nurse station
### Architectural Requirements

| 2.8-3.9.3.2 | __ storage of coats in closets or cabinets on each floor  
or  
| __ storage of coats in central staff locker area |

### Support Areas for Patients:

| 2.8-3.10 | Support Areas for Patients:  
| 2.8-3.10.2 | Patient toilet room  
| __ min. one patient toilet room per six treatment rooms & for each fraction thereof  
| __ handwashing station |

### Building Systems Requirements

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

### PATIENT SUPPORT FACILITIES

#### 2.8-4

**Laboratory Services:**

- __ Compliance Checklist OP2 has been submitted to DPH Plan Review

#### 2.8-4.2

**Pharmacy Services:**

- __ Full service pharmacy  
|  
- __ Compliance Checklist OP3 has been submitted to DPH Plan Review  
or  

#### 2.8-4.2.1

**Medication preparation room**

#### 2.1-3.8.8.1(2)

| (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 |

#### 2.1-3.8.8.2

| (1)(a) | handwashing station  
| lockable refrigerator  
| locked storage for controlled drugs  
| sharps containers  
| □ check if not included in project |

| (b) | self-contained medication dispensing units  
| □ check if not included in project  
| room designed with space to prepare medications |
### Architectural Requirements

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-4.4.1</td>
<td>Dedicated on-site linen processing area</td>
</tr>
<tr>
<td>2.1-4.4.1</td>
<td>or Off-site laundry services</td>
</tr>
<tr>
<td>2.1-4.4.2.1</td>
<td>Area large enough to accommodate washer, dryer &amp; any plumbing equipment</td>
</tr>
<tr>
<td></td>
<td>needed to meet temperature requirements</td>
</tr>
<tr>
<td>2.1-4.4.2.2</td>
<td>Area divided into distinct soiled area (sorting &amp; washing) &amp; clean area</td>
</tr>
<tr>
<td></td>
<td>(drying &amp; folding)</td>
</tr>
<tr>
<td>2.1-4.4.3.1</td>
<td>Soiled linen holding area or dedicated soiled laundry carts area</td>
</tr>
<tr>
<td>2.1-4.4.3.2</td>
<td>Clean linen storage area or dedicated clean linen carts area</td>
</tr>
<tr>
<td>2.1-4.4.3.3</td>
<td>Support areas for outpatient facilities using off-site laundry services</td>
</tr>
<tr>
<td></td>
<td>Check if not included in project (only if linen is processed on-site)</td>
</tr>
<tr>
<td>2.1-4.4.3.4</td>
<td>Handwashing station</td>
</tr>
<tr>
<td>2.1-4.4.4.1</td>
<td>Storage for laundry supplies</td>
</tr>
<tr>
<td>2.1-4.4.4.2</td>
<td>Clean linen storage</td>
</tr>
<tr>
<td>2.1-4.4.4.3</td>
<td>Handwashing station in or directly accessible*</td>
</tr>
<tr>
<td>2.1-4.4.4.4</td>
<td>Work counter</td>
</tr>
<tr>
<td>2.1-4.4.4.5</td>
<td>Storage</td>
</tr>
<tr>
<td>2.1-4.4.4.6</td>
<td>Fixtures &amp; appliances for beverages &amp; nourishment</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

- **Ventilation:**
  - Min. 2 air changes per hour
  - Table 8.1
### STERILE PROCESSING

- Facilities for on-site sterile processing
  - or
- Off-site sterile processing

- Facilities for on-site sterile processing
  - check if not included in project
  - Compliance Checklist OP4 has been submitted

- Support areas for facilities using off-site sterile processing
  - check if not included in project (only if sterile processing is performed on-site)

#### 2.1-4.3.1
- room for breakdown (receiving/unpacking) of clean/sterile supplies

#### 2.1-4.3.2
- room for on-site storage of clean & sterile supplies

#### 2.1-4.3.2.4(1)
- storage for sterile & clean instruments & supplies
  - (a) separate equipment & supply storage room
    - or
    - designated equipment & supply storage area in clean workroom
  - (b) space for case cart storage
    - check if not included in project (only if case carts are not used)
  - (c) provisions to maintain humidity & temperature levels

#### 2.1-4.3.3
- room with flush-type device for gross decontamination & holding of soiled instruments

#### 2.1-3.8.12.1
- does not have direct connection with clean workrooms or clean supply rooms

#### 2.1-3.8.12.2(1)
- (a) handwashing station
- (b) flushing-rim clinical service sink or equivalent flushing-rim fixture
- (c) work counter
- (d) space for separate covered containers for waste & soiled linen

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

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Check</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2) fluid management system</td>
<td>☐</td>
<td>check if not included in project</td>
</tr>
<tr>
<td>(a) electrical &amp; plumbing</td>
<td>☐</td>
<td>connections that meet manufacturer requirements</td>
</tr>
<tr>
<td>(b) space for docking station</td>
<td>☐</td>
<td></td>
</tr>
</tbody>
</table>

## Building Systems Requirements

<table>
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</tr>
<tr>
<td>(b) space for docking station</td>
<td>☐</td>
<td></td>
</tr>
</tbody>
</table>

## BUILDING SUPPORT FACILITIES

### 2.8-5

#### 2.8-5.1 Materials Management:

- **2.1-5.1.2 Receiving facilities**
  - ☐ unpacking or box breakdown area
  - ☐ accessible from designated delivery door

- **2.1-5.1.3 Service entrance**
  - ☐ check if not included in project
  - ☐ protected from inclement weather

#### 2.8-5.4 Engineering & Maintenance Services:

- **2.1-5.4.2.1 Equipment rooms for HVAC, telecom. & electrical equipment**
- **2.1-5.4.2.2** secured with controlled access
- **2.1-5.4.3** Building maintenance supplies & equipment storage room

## PUBLIC AREAS

### 2.8-6.2

- **2.8-6.1.2 Emergency department designed to ensure that access control is maintained at all times**

- **2.8-6.2.1.1 Primary entrance**
  - (1) ☐ well-marked illuminated & covered primary entrance at grade level
  - (2) ☐ primary entrance cover provide shelter extending at least over passenger side of the vehicle

- **2.8-6.2.1.2 Ambulance entrance**
  - (1) ☐ separate ambulance entrance be provided at grade level
  - (2) ☐ emergency vehicle entry cover provide shelter for both patient & emergency medical crew during transfer between emergency vehicle & building
  - (3) ☐ ambulance entrances provide min. 6’-0” clear width to accommodate expanded-capacity stretchers & gurneys, mobile patient lift devices & accompanying attendants
## Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-6.2.2 Reception</td>
<td>__ Reception</td>
</tr>
<tr>
<td></td>
<td>_ _ reception &amp; information counter, desk or kiosk provided either at main entry or at each clinical service</td>
</tr>
<tr>
<td>2.8-6.2.3 Public waiting area</td>
<td>__ Public waiting area</td>
</tr>
<tr>
<td>2.1-6.2.3.2 Visibility</td>
<td>__ visible from staff area either by camera or direct staff sight line</td>
</tr>
<tr>
<td>2.8-6.2.3.1(1) Public toilet room</td>
<td>__ immediately accessible*</td>
</tr>
<tr>
<td></td>
<td>_ _ handwashing station</td>
</tr>
<tr>
<td>(2)</td>
<td>__ Provisions for drinking water</td>
</tr>
<tr>
<td>(3)</td>
<td>__ Provisions for telephone access</td>
</tr>
<tr>
<td>2.1-6.2.7.1 Wheelchair storage</td>
<td>__ Wheelchair storage</td>
</tr>
<tr>
<td></td>
<td>_ _ check if not included in project</td>
</tr>
<tr>
<td></td>
<td>_ _ designated area located out of required corridor width</td>
</tr>
<tr>
<td></td>
<td>_ _ directly accessible* to entrance</td>
</tr>
<tr>
<td></td>
<td>_ _ provided for at least one wheelchair</td>
</tr>
<tr>
<td>2.1-6.2.7.2 Wheelchair parking space</td>
<td>__ designated area provided for parking at least one patient-owned wheelchair in non-public area</td>
</tr>
<tr>
<td></td>
<td>_ _ located out of any required egress width or other required clearance</td>
</tr>
</tbody>
</table>

## Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
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</tr>
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<tbody>
<tr>
<td></td>
<td>Ventilation:</td>
</tr>
<tr>
<td>2.1-6.2.2 Reception</td>
<td>__ Min. 12 air changes per hour Table 8.1</td>
</tr>
<tr>
<td></td>
<td>__ Exhaust</td>
</tr>
<tr>
<td></td>
<td>__ Negative pressure</td>
</tr>
<tr>
<td>2.1-6.2.3 Public waiting area</td>
<td>__ Min. 10 air changes per hour Table 8.1</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>2.1-6.2.7.1 Wheelchair storage</td>
<td>__ provisions be made for securing medical records of all media types used by facility</td>
</tr>
<tr>
<td></td>
<td>__ location restricted to staff access to maintain confidentiality of record</td>
</tr>
<tr>
<td>2.1-6.3.5 Medical records space</td>
<td>__ space provided for medical records management</td>
</tr>
<tr>
<td></td>
<td>__ physical space for electronic storage of forms or documents</td>
</tr>
</tbody>
</table>

## Administrative Areas

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.8-6.3 Interview space</td>
<td>__ Interview space</td>
</tr>
<tr>
<td>2.8-6.3.2 (may be combined with triage area)</td>
<td>__ provide speech &amp; visual privacy</td>
</tr>
<tr>
<td>2.8-6.3.5 Medical records space</td>
<td>__ provisions be made for securing medical records of all media types used by facility</td>
</tr>
<tr>
<td></td>
<td>__ location restricted to staff access to maintain confidentiality of record</td>
</tr>
<tr>
<td>2.1-6.3.5.1 Space Requirements:</td>
<td>__ space provided for medical records management</td>
</tr>
<tr>
<td></td>
<td>__ physical space for electronic storage of forms or documents</td>
</tr>
</tbody>
</table>
**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

<table>
<thead>
<tr>
<th>2.1-7.2.2</th>
<th>2.1-7.2.2.1</th>
<th>2.1-7.2.2.2</th>
<th>2.1-7.2.2.3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARCHITECTURAL DETAILS</strong></td>
<td><strong>CORRIDOR WIDTH:</strong></td>
<td><strong>CEILING HEIGHT:</strong></td>
<td><strong>DOORS &amp; DOOR HARDWARE:</strong></td>
</tr>
<tr>
<td>2.1-7.2.2.1</td>
<td>IBC 1018.2</td>
<td>421 CMR 6.00</td>
<td>421 CMR 6.00</td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Min. 44”</strong></td>
<td><strong>Corridors include turning spaces for wheelchairs</strong></td>
<td><strong>doors do not swing into corridors except doors to non-occupiable spaces (e.g. environmental services rooms &amp; electrical closets) &amp; doors with emergency breakaway hardware</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Detailed code review incorporated in Project Narrative</strong></td>
<td><strong>Corridors used for stretcher &amp; gurney transport have min. corridor or aisle width of 6'-0”</strong></td>
<td><strong>Lever hardware or push/pull latch hardware</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Corridors include turning spaces for wheelchairs</strong></td>
<td><strong>Min. height 7'-0” in radiography, procedure, operating rooms from floor to lowest protruding element of equipment or fixture in stowed position</strong></td>
<td><strong>doors that swings outward</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Min. height 7'-6” above floor of suspended tracks, rails &amp; pipes located in traffic path</strong></td>
<td><strong>Min. height 7'-6” above floor of suspended tracks, rails &amp; pipes located in traffic path</strong></td>
<td><strong>or</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Min. ceiling height 7'-10” in other areas</strong></td>
<td><strong>Min. ceiling height 7'-10” in other areas</strong></td>
<td><strong>sliding door other than pocket door</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>Doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors</strong></td>
<td><strong>Doors for Patient Toilet Facilities:</strong></td>
<td><strong>toilet room opens onto public area or corridor</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>sliding doors</strong></td>
<td><strong>or</strong></td>
<td><strong>check if not included in project</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>check if not included in project</strong></td>
<td><strong>or</strong></td>
<td><strong>visual privacy is maintained</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>check if not included in project</strong></td>
<td><strong>Countertops substrate</strong></td>
<td><strong>handwashing station casework</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>handwashing station casework</strong></td>
<td><strong>check if not included in project</strong></td>
<td><strong>check if not included in project</strong></td>
</tr>
<tr>
<td><strong>or</strong></td>
<td><strong>handwashing station casework</strong></td>
<td><strong>check if not included in project</strong></td>
<td><strong>designed to prevent storage beneath sink</strong></td>
</tr>
</tbody>
</table>

**HANDWASHING STATIONS:**

<table>
<thead>
<tr>
<th>2.1-7.2.2.8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly</strong></td>
</tr>
<tr>
<td><strong>Countertops substrate</strong></td>
</tr>
<tr>
<td><strong>Handwashing station casework</strong></td>
</tr>
</tbody>
</table>

**MDPH/DHCFLC 12/18 OP13**
(5)        Provisions for drying hands
☐ check if not included in project
(only at hand scrub facilities)
(a)        hand-drying device does not
require hands to contact
(b)        hand-drying device is enclosed to
protect against dust or soil
(6)        Liquid or foam soap dispensers
2.1-7.2.2.9 GRAB BARS:
(1)        Grab bars anchored to sustain
concentrated load 250 pounds
(3)        Ends of grab bars constructed to
prevent snagging clothes of patients
staff & visitors
2.1-7.2.10 HANDRAILS:
☐ check if not included in project
(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
2.1-7.2.14 Decorative water features
☐ check if not included in project
(1)        no indoor unsealed (open)
water features in confines of
outpatient suite
(2)        no covered fish tanks in other
than public areas of outpatient
suite
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 all areas
subject to frequent wet cleaning are
constructed of materials that are not
physically affected by germicidal or
other types of cleaning solutions
(6)(a)        Floors are monolithic & integral
coved wall bases are at least 6" high
& tightly sealed to wall in rooms
listed below
• trauma rooms
• airborne infection isolation (AII)
room & any anteroom
(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
(4)        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) Semi-Restricted Areas:
(a)        ceiling finishes are scrubbable,
non absorptive, non perforated,
& capable of withstand cleaning with chemicals
(b)        lay-in ceilings
  gasketed or each ceiling
tile weighs at least one
pound per square foot
(c)        use of perforated tegular
serrated or highly textured
tiles not are permitted in
semi-restricted areas
  or
  ceilings of monolithic
construction
2.1-7.2.4.3 Privacy curtains in patient care areas
are washable
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:
☐ check if not included in project
  space ventilation & pressure
relationship requirements of
Table 8.1 are maintained for AII
Rooms & Operating 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 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

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 owner’s 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:
☐ located min. of 25'-0" 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
☐ all intakes are designed to prevent entrainment of wind-driven rain

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

Part 3/6.3.1.4 intake in areaway
☐ check if not included in project
☐ bottom of areaway air intake opening is at least 6'-0" above grade
☐ bottom of air intake opening from areaway into building is at least 3'-0" above bottom of areaway

Part 3/6.3.2 Contaminated Exhaust Discharges:
☐ 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 or HD sterile compounding pharmacy)
☐ 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 feet 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 trauma rooms (see Table 6.4)
☐ Filter Bank No. 1: MERV 7
☐ Filter Bank No. 2: MERV 14
☐ All other outpatient spaces one filter bank MERV 7
☐ 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 placed upstream of heating & cooling coils
Part 3/6.4.2 Filter Bank No. 2 placed downstream of all wet-air cooling coils & supply fan

Part 3/6.5 HEATING & COOLING SYSTEMS:
☐ check if not included in project
☐ ceiling or wall panels with exposed cleanable surfaces or radiant floor heating are provided in AII room & trauma room

Part 3/6.5.3 Radiant heating systems
☐ check if not included in project

MDPH/DHCFLC 12/18 OP13
Part 3/6.7 AIR DISTRIBUTION SYSTEMS:

Part 3/6.7.1 Maintain pressure relationships required in tables 7.1 in all modes of HVAC system operation

Part 3/6.7.1 Spaces that have required pressure relationships are served by fully ducted return systems or fully ducted exhaust systems

Part 3/6.7.1 Recovery rooms are served by fully ducted return or exhaust systems

Part 3/6.7.2 Air Distribution Devices:

Part 3/6.7.2 supply air outlets comply with Table 6.7.2

Part 3/6.7.3 Smoke Barriers:

Part 3/6.7.3 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 are not used for energy recovery

Part 3/6.8.3 Energy recovery systems with leakage potential

☐ check if not included in project

Part 3/6.8.3 arranged to minimize potential to transfer exhaust air directly back into supply airstream

Part 3/6.8.3 designed to have no more than 5% of total supply airstream consisting of exhaust air

Part 3/6.8.3 not used from these exhaust airstream sources: soiled or decontamination room

Part 3/7 SPACE VENTILATION:

Part 3/7.1.a Complies with Table 8.1

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

Part 3/7.1.a.3 Min. number of total air changes required for negative pressure rooms is provided by total exhaust airflow

Part 3/7.1.a.4 Entire minimum outdoor air changes per hour required by Table 8.1 for each space meet filtration requirements of Section 6.4

Part 3/7.1a.5 Air recirculation through room unit

☐ check if not included in project

☐ complies with Table 8.1

☐ 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

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

AII room is at negative pressure with respect to corridor

Part 3/7.4.1 Trauma Rooms

☐ Each TR has individual temperature control

☐ TR is provided with primary supply diffuser array designed as follows:

airflow is unidirectional downwards & average velocity of diffusers is 25 to 35 CFM/ft²

diffusers are concentrated to provide airflow pattern over patient & surgical team

coverage area of primary supply diffuser array extends min. 12" beyond footprint of surgical table on each side

no more than 30% of portion of primary supply diffuser array is used for non-diffuser uses
additional supply diffusers provided within room outside of primary supply diffuser array
☐ check if not included in project
☐ each TR has at least two low sidewall return or exhaust grilles spaced at opposite corners or as far apart as possible with bottom of these grilles installed approximately 8” above floor

Part 3/7.4.3 Imaging Procedure Rooms
☐ check if not included in project
☐ Anesthetic gases are administered
☐ ventilation requirements for operating rooms are met
☐ No anesthetic gases are administered

2.1-8.3 ELECTRICAL SYSTEMS
2.1-8.3.2 ELECTRICAL DISTRIBUTION & TRANSMISSION
2.1-8.3.2.2 Panelboards:
(1) all panelboards accessible to health care tenants they serve
(2) panelboard serving critical branch circuits serve floors on which they are located
(3) panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below
(4) panelboards not located in exit enclosures or exit passageways

2.1-8.3.2.3 Ground-Fault Circuit Interrupters in Critical Care Areas:
☐ check if not included in project
☐ each receptacle individually protected by single GFCI device

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

2.1-8.3.5 ELECTRICAL EQUIPMENT
2.1-8.3.5.1 Handwashing sinks & scrub sinks that depends on building electrical service for operation are connected to essential electrical system
☐ check if not included in project

2.1-8.4 PLUMBING SYSTEMS
2.1-8.4.2 Plumbing & Other Piping Systems:
☐ no plumbing piping exposed overhead or on walls where possible accumulation of dust or soil may create cleaning problem

2.1-8.4.2.5 Heated Potable Water Distribution Systems:
☐ heated potable water distribution systems serving patient care areas are under constant recirculation
☐ non-recirculated fixture branch piping length max. 25'-0”
☐ no installation of dead-end piping (except for empty risers mains & branches for future use)
☐ any existing dead-end piping is removed
☐ check if not included in project
☐ water-heating system supplies water at following range of temperatures: 105–120°F

2.1-8.4.2.6 Drainage Systems:
☐ drainage piping installed above ceiling of or exposed in rooms listed below piping have special provisions (e.g. double wall containment piping) to protect space below from leakage & condensation
☐ trim rooms
☐ electronic data processing areas
☐ electrical rooms
☐ drip pan for drainage piping above ceiling of sensitive area
☐ check if not included in project
☐ accessible
☐ overflow drain with outlet located in normally occupied area

(a)

Floor Drains:
☐ no floor drains in procedure rooms & trauma rooms
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) Sinks are designed with basins that will reduce risk of splashing to areas where direct patient care is provided, sterile procedures are performed & medications are prepared
(2) Sink basins have nominal size of no less than 144 square inches
(3) Sink basins have min. dimension 9 inches in width or length
(4) Sink basins are made of porcelain, stainless steel or solid-surface materials
(5) Water discharge point of faucets is at least 10" above bottom of basin
(6) Anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied
(7) 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

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

2.1-8.3.5 Clinical Flushing-Rim Sinks:
(1) Trimmed with valves that can be operated without hands
(a) (b) Handles are at least 6 in. long
(2) Integral trap wherein upper portion of water trap provides visible seal

2.1-8.4 MEDICAL GAS & VACUUM SYSTEMS
(3) Station outlets provided as indicated in Table 2.1-2

2.1-8.5.1 CALL SYSTEMS
(1) Nurse call stations provided as required in Table 2.1-3

2.1-8.7 ELEVATORS
☐ check if not included in project

2.1-8.7.3 Dimensions of Elevators Used for Transport of Outpatients on Gurneys:
☐ Elevator cars have min. inside floor dimension of 5'-8" wide by 7'-9" deep

2.1-8.7.4 Elevators are equipped with:
☐ two-way automatic level-maintaining device with accuracy of ± 1/4 inch

2.1-8.7.5 Elevator Controls:
(1) Elevator call buttons & controls not activated by heat or smoke
(2) Light beams if used for operating door reopening devices without touch are used in combination with door-edge safety devices & are interconnected with system of smoke detectors
(3) Elevator controls, alarm buttons & telephones are accessible to wheelchair occupants & usable by the blind