COMPLIANCE CHECKLIST

OP5_Outpatient Class 1 Imaging 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 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
- 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:

DoN Project Number: (if applicable)

Facility Address:

Satellite Name: (if applicable)

Satellite Address: (if applicable)

Project Description:

Submission Dates:

Initial Date:

Revision Date:

MDPH/DHCFLC 12/18 OP5
2.3 SPECIFIC REQUIREMENTS FOR OUTPATIENT IMAGING FACILITIES

2.3-1.1 APPLICATION
2.3-1.1.1 Imaging facility associated with this checklist is not located within an acute care hospital

2.3-2 ACCOMMODATIONS FOR CARE OF PATIENTS OF SIZE
2.1-2.1.1.2 □ check if not included in project (only if a Patient Handling & Movement Assessment that determines that the outpatient service does not have a need for expanded-capacity lifts & architectural details that support movement of patients of size in patient areas is attached to the Project Narrative)

2.1-2.1.2 Location:
☐ spaces designated for care of or use by patients of size are provided in locations to accommodate population expected to be served by facility

2.1-2.5 Handwashing stations
2.1-2.5.2 □ downward static force required for handwashing stations designated for patients of size accommodates maximum patient weight of patient population

2.1-2.6 Patient toilet room
2.1-2.6.1 □ expanded-capacity toilet
☐ mounted min. 36 inches from finished wall to centerline of toilet on both sides (for caregiver assistance with lifts)

or
2.1-2.6.2 □ regular toilet
☐ mounted min. 44 inches from centerline of toilet on both sides to finished walls to allow for positioning of expanded-capacity commode over toilet

2.1-2.8 Equipment & supply storage

2.1-2.9 Waiting areas
2.1-2.9.1 □ seating for persons of size be provided in waiting areas in outpatient facilities

2.1-2.9.2 □ waiting areas be sized to accommodate expanded-capacity furniture required for patients & visitors of size

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

Table 8.1/Policy
**Architectural Requirements**

2.1-2.10.1 All plumbing fixtures, handrails, grab bars, patient lift, equipment, built-in furniture & other furnishings designed to accommodate maximum patient weight

2.1-2.10.2 Door Openings:
2.1-2.10.2.1 all door openings used for path of travel to public areas & care areas for patients of size min. clear width 45.5"
2.1-2.10.2.2 door openings to toilet rooms designated for patients of size min. clear width 45.5"

2.3-3.2 **GENERAL REQUIREMENTS FOR IMAGING ROOMS**

2.1-3.5.1.2 **Class 1 Imaging Room**

Table 2.1-5 (for X-ray, fluoroscopy, mammography, CT scanner, ultrasound, MRI & other imaging modalities that may use natural orifice entry & do not pierce or penetrate natural protective membranes)

- room is an unrestricted area
- accessed from unrestricted area

Flooring:
- cleanable & wear-resistant for the location; stable, firm & slip-resistant

Wall Finishes:
- washable

Ceiling:
- cleanable with routine housekeeping equipment

Ventilation:
- Min. 6 air changes per hour Table 8.1/Policy

Power:
- Min. 8 receptacles Table 2.1-1

2.1-3.5.2.3(1) **handwashing station**

2.1-3.5.1.3 **Radiation Protection:**

☐ check if not included in project (only if imaging equipment does not emit ionizing radiations)
- certified radiation physicist representing owner has specified type, location & amount of radiation protection to be installed in accordance with layout & equipment selections
- specifications of radiation shielding have been submitted to DPH Radiation Control Program

(1) ☐ shielded control alcove or room

☐ check if not included in project (only if radiation-emitting imaging equipment is portable)
2.1-3.5.3

COMPUTED TOMOGRAPHY (CT) FACILITIES
☐ check if not included in project

2.1-3.5.3.1
☐ CT scanner room meets above requirements for Class 1 imaging rooms

2.1-3.5.3.2

2.1-3.5.1.3(1)
(a) Shielded control alcove or room
Space Requirements:
☐ sized & configured according to manufacturer’s recommendations
(c) shielded view window designed to provide full view of patient at all times including full view of patient during imaging activities (use of additional closed-circuit video monitoring permitted)

2.1-3.5.2.2

(1) Imaging rooms are sized & configured to comply with manufacturer’s recommendations for installation service & maintenance
☐ installation plans from manufacturer have been submitted to DPH Plan Review

(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

2.1-3.5.3.3

2.1-3.5.2.5
☐ check if not included in project

(1) Location:
☐ accessed only from unrestricted or semi-restricted space outside imaging room

(2) Space Requirements:
☐ room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:
(a) transformers
(b) power distribution equipment
(c) power conditioning/UPS equipment
(d) computers
(e) associated electronics & electrical gear
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.4.2</td>
<td><strong>RADIOGRAPHY ROOM</strong>&lt;br&gt;&lt;span&gt;☐ check if not included in project&lt;/span&gt;</td>
</tr>
<tr>
<td>2.1-3.5.3.1</td>
<td><em>Radiography room meets above requirements for Class 1 imaging rooms</em></td>
</tr>
<tr>
<td>2.1-3.5.3.2</td>
<td><em>Shielded control alcove or room</em>&lt;br&gt;&lt;span&gt;Space Requirements:&lt;/span&gt;&lt;br&gt;<strong>(a)</strong> sized &amp; configured according to manufacturer’s recommendations&lt;br&gt;<strong>(c)</strong> shielded view window designed to provide full view of patient at all times including full view of patient during imaging activities (use of additional closed-circuit video monitoring permitted)</td>
</tr>
<tr>
<td>2.1-3.5.2.2</td>
<td><em>Space Requirements:</em>&lt;br&gt;(1) imaging rooms are sized &amp; configured to comply with manufacturer’s recommendations for installation service &amp; maintenance&lt;br&gt;____ installation plans from manufacturer have been submitted to DPH Plan Review&lt;br&gt;<strong>(2)(a)</strong> min. clearance 4’-0” on all circulating sides of patient table/bed/couch gantry or assembly</td>
</tr>
<tr>
<td>2.1-3.5.2.4(d)</td>
<td><em>Structural Support:</em>&lt;br&gt;floor &amp; if applicable ceiling structures in imaging rooms designed to support weight of imaging equipment as well as other fixed &amp; movable ancillary equipment</td>
</tr>
<tr>
<td>2.1-3.5.2.5</td>
<td><em>System component room</em>&lt;br&gt;&lt;span&gt;☐ check if not included in project&lt;/span&gt;&lt;br&gt;&lt;span&gt;Location:&lt;/span&gt;&lt;br&gt;<strong>(a)</strong> accessed only from unrestricted or semi-restricted space outside imaging room&lt;br&gt;<strong>(2)</strong> Space Requirements:<em>&lt;br&gt;</em>___ room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:&lt;br&gt;<strong>(a)</strong> transformers&lt;br&gt;<strong>(b)</strong> power distribution equipment&lt;br&gt;<strong>(c)</strong> power conditioning/UPS equipment&lt;br&gt;<strong>(d)</strong> computers&lt;br&gt;<strong>(e)</strong> associated electronics &amp; electrical gear</td>
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<td>2.1-3.5.4.3 FLUOROSCOPY ROOM</td>
<td>☐ check if not included in project</td>
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<tr>
<td>2.1-3.5.3.1</td>
<td>Fluoroscopy room meets above requirements for Class 1 imaging rooms</td>
</tr>
<tr>
<td>2.1-3.5.3.2</td>
<td>Shielded control alcove or room</td>
</tr>
<tr>
<td>2.1-3.5.1.3(1)</td>
<td>Space Requirements:</td>
</tr>
<tr>
<td>(a)</td>
<td>sized &amp; configured according to manufacturer’s recommendations</td>
</tr>
<tr>
<td>(c)</td>
<td>shielded view window designed to provide full view of examination/ procedure table &amp; patient at all times including full view of patient during imaging activities (use of additional closed-circuit video monitoring permitted)</td>
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<tr>
<td>(d)</td>
<td>control room enclosed with walls &amp; door</td>
</tr>
<tr>
<td>(e)</td>
<td>☐ check if not included in project (only for Class 1 imaging room &amp; where imaging room is not required to be under positive or negative pressure)</td>
</tr>
<tr>
<td>2.1-3.5.2.2</td>
<td>Space Requirements:</td>
</tr>
<tr>
<td>(1)</td>
<td>imaging rooms are sized &amp; configured to comply with manufacturer’s recommendations for installation service &amp; maintenance</td>
</tr>
<tr>
<td></td>
<td>installation plans from manufacturer have been submitted to DPH Plan Review</td>
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<tr>
<td>(2)(a)</td>
<td>min. clearance 4'-0&quot; on all circulating sides of patient table/bed/couch gantry or assembly</td>
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<td>2.1-3.5.2.4(d)</td>
<td>Structural Support:</td>
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<td></td>
<td>floor &amp; if applicable ceiling structures in imaging rooms designed to support weight of imaging equipment as well as other fixed &amp; movable ancillary equipment</td>
</tr>
<tr>
<td>2.1-3.5.3.3</td>
<td>System component room</td>
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<tr>
<td>2.1-3.5.2.5</td>
<td>☐ check if not included in project</td>
</tr>
<tr>
<td>(1)</td>
<td>Location:</td>
</tr>
<tr>
<td>(a)</td>
<td>accessed only from unrestricted or semi-restricted space outside imaging room</td>
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<tr>
<td>(2)</td>
<td>Space Requirements:</td>
</tr>
<tr>
<td></td>
<td>room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:</td>
</tr>
<tr>
<td>(a)</td>
<td>transformers</td>
</tr>
<tr>
<td>(b)</td>
<td>power distribution equipment</td>
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</tbody>
</table>
Architectural Requirements

(c) power conditioning/UPS equipment
(d) computers
(e) associated electronics & electrical gear

Building Systems Requirements

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

2.1-3.5.4.3(1) Separate toilet room
- handwashing station
- directly accessible* from each dedicated Class 1 fluoroscopy room or combination radiography/fluoroscopy room
- patients are able to leave toilet room without reentering fluoroscopy room

2.1-3.5.4.4 MAMMOGRAPHY ROOM
☐ check if not included in project

2.1-3.5.3.1 Mammography room meets above requirements for Class 1 imaging rooms

2.1-3.5.4.4(1)(a) Space Requirements:
- min. clearance 3'-0" on all circulating sides of patient position

2.1-3.5.4.4(2) Visual Privacy:
- means to prevent views into mammography room by the public or other patients

2.1-3.5.4.4(4) Changing rooms for mammography patients
☐ check if not included in project (only if appropriate area for changing is provided in each mammography room)
- immediately accessible* to waiting area
- immediately accessible* to imaging rooms

2.1-3.5.10.3(2) each room includes seat or bench & mirror

2.1-3.5.10.3(3) provisions for hanging patient clothing & securing valuables located either in patient changing room or in shared secured storage

2.1-3.5.4.1(3)(b) Radiation Protection:
- mammography machines has built-in shielding for operator:
  - letter from certified radiation physicist approving shielding for operator
  - or
- shielded control alcove
Architectural Requirements

Building Systems Requirements

2.1-3.5.5 MAGNETIC RESONANCE IMAGING (MRI) FACILITIES
☐ check if not included in project

2.1-3.5.5.1 Planning Configuration of MRI Suite:
(1) __ Planning Configuration of MRI Suite:
   ___ conforms to 4-zone screening & access control protocols identified by American College of Radiology
   ___ Zone I: all areas that are freely accessible to the general public
   ___ Zone II: interface between the publicly accessible uncontrolled Zone I & strictly controlled Zone III (space for screening questions, patient histories, medical insurance questions)
   ___ Zone III: no free access by unscreened persons or non-MRI personnel due to interactions between persons or equipment & MRI scanner
   ___ Zone IV: MRI scanner room where access must be supervised by MRI personnel

(2) ___ MRI suite as well as spaces around, above & below designed to prevent unscreened individuals from entering 5-gauss volume around MRI equipment

(3) ___ Specific Support Areas for MRI Suite:
   (a) ___ space for patient interviews & clinical screening
   (b) ___ space for physical screening
   (c) ___ ferromagnetic (only) detection & warning systems
   (d) ___ access controls
   (e) ___ space to accommodate site-specific clinical & operational requirements such as image-guided procedures emergent imaging or general anesthesia support
   ☐ check if not included in project
   (f) ___ space for containment of non-MRI-safe objects outside restricted MRI safety zones
   (g) ___ space for storage (patient lockers) of patient belongings & non-MRI-safe items

(4) ___ Any area in which magnetic field strength is equal to or greater than 5 gauss is physically restricted by use of key locks or pass-key locking systems
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>2.1-3.5.5.2(1)</td>
<td><em>MRI scanner room</em></td>
</tr>
<tr>
<td>2.1-3.5.3.1</td>
<td><em>MRI scanner room meets above requirements for Class 1 imaging rooms</em></td>
</tr>
<tr>
<td>2.1-3.5.2.3(2)</td>
<td><em>Handwashing Station</em></td>
</tr>
<tr>
<td>2.1-3.5.5.2(2)</td>
<td><em>located in Class 1 MRI scanner room or directly outside entrance to Class 1 MRI scanner room</em></td>
</tr>
<tr>
<td>2.1-3.5.2.4(d)</td>
<td><em>Structural Support:</em></td>
</tr>
<tr>
<td>2.1-3.5.2.5</td>
<td><em>System component room</em></td>
</tr>
<tr>
<td>2.1-3.5.5.4</td>
<td><em>MRI control room</em></td>
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### Building Systems Requirements

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<td>2.1-3.5.2.2</td>
<td><em>Space Requirements:</em></td>
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<tr>
<td>2.1-3.5.5.3</td>
<td><em>MRI control room</em></td>
</tr>
<tr>
<td>2.1-3.5.5.4</td>
<td><em>Cryogen Venting System:</em></td>
</tr>
<tr>
<td>2.1-3.5.5.5.3</td>
<td><em>Passive pressure relief provided in accordance with equipment manufacturer’s technical specifications</em></td>
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</tbody>
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__2.1-3.5.2.2__  
**Space Requirements:**

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<td>(1)</td>
<td><em>MRI scanner room meets above requirements for Class 1 imaging rooms</em></td>
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<td>(2)</td>
<td><em>MRI scanner room or directly outside entrance to Class 1 MRI scanner room</em></td>
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__2.1-3.5.2.4(d)__  
**Structural Support:**

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<tr>
<td>(a)</td>
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__2.1-3.5.2.5__  
**System component room**

<table>
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<th>Requirement</th>
<th>Notes</th>
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</thead>
<tbody>
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<td>(1)</td>
<td><em>Location:</em></td>
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<tr>
<td>(a)</td>
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</tr>
<tr>
<td>(2)</td>
<td><em>Space Requirements:</em></td>
</tr>
<tr>
<td>(a)</td>
<td><em>transformers</em></td>
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<tr>
<td>(b)</td>
<td><em>power distribution equipment</em></td>
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<td>(d)</td>
<td><em>computers</em></td>
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<td><em>associated electronics &amp; electrical gear</em></td>
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__2.1-3.5.5.3__  
**Cryogen Venting System:**

<table>
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<tr>
<th>Requirement</th>
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<tbody>
<tr>
<td>(a)</td>
<td><em>minimum clearance 4'-0&quot; on all circulating sides of patient table/bed/couch gantry or assembly</em></td>
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__2.1-3.5.5.4__  
**MRI control room**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>(1)</td>
<td><em>operator console positioned so operator has full view of principal approach &amp; entrance to MRI scanner room</em></td>
</tr>
<tr>
<td>(2)</td>
<td><em>outward-swinging door</em></td>
</tr>
<tr>
<td>(a)</td>
<td><em>door in open position does not obstruct view of entry opening from operator’s console</em></td>
</tr>
<tr>
<td>Architectural Requirements</td>
<td>Building Systems Requirements</td>
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<tr>
<td>-----------------------------</td>
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</tr>
<tr>
<td><strong>2.1-3.5.1.3(1)</strong>&lt;br&gt;(a) Space Requirements:</td>
<td><strong>2.1-3.5.5.5</strong>&lt;br&gt;Ventilation:</td>
</tr>
<tr>
<td>☐ sized &amp; configured according to manufacturer's recommendations</td>
<td>☐ Min. 6 air changes per hour Table 8.1/Policy</td>
</tr>
<tr>
<td><strong>2.1-3.5.1.3(1)</strong>&lt;br&gt;(c)</td>
<td></td>
</tr>
<tr>
<td>☐ shielded view window designed to provide full view patient at all times including full view of patient during imaging activities (use of additional closed-circuit video monitoring permitted)</td>
<td></td>
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<tr>
<td><strong>2.1-3.5.5.5</strong>&lt;br&gt;(1) Control vestibule</td>
<td></td>
</tr>
<tr>
<td>☐ located outside MRI scanner room so that patients health care personnel &amp; other employees must pass through it before entering MRI scanner room</td>
<td></td>
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<tr>
<td>(2) control vestibule is part of MRI control room or control vestibule directly visible from control room</td>
<td></td>
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<tr>
<td><strong>2.1-3.5.5.6</strong>&lt;br&gt;Patient treatment/resuscitation area</td>
<td></td>
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<tr>
<td>☐ adjacent* to MRI room</td>
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<tr>
<td>☐ space suitable for patient code treatment/resuscitation</td>
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<tr>
<td><strong>2.1-3.5.2.5</strong>&lt;br&gt;System component room</td>
<td></td>
</tr>
<tr>
<td>☑ check if not included in project</td>
<td></td>
</tr>
<tr>
<td><strong>(1)</strong> Location:</td>
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<td>☐ accessed only from unrestricted or semi-restricted space outside imaging room</td>
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<tr>
<td><strong>(2)</strong> Space Requirements:</td>
<td></td>
</tr>
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<td>☐ room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:</td>
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</tr>
<tr>
<td>(a) ☐ transformers</td>
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<tr>
<td><strong>2.1-3.5.5.8</strong>&lt;br&gt;(1) Equipment Installation Requirements:</td>
<td></td>
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<tr>
<td>☐ power conditioning and/or uninterruptible power supply provided as indicated by MRI manufacturer’s power requirements &amp; specific facility conditions</td>
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### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
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</thead>
<tbody>
<tr>
<td>(2)</td>
<td>Radiofrequency (RF) shielding provided for clinical MRI installations to attenuate stray radio frequencies that could interfere with MRI imaging process.</td>
</tr>
<tr>
<td>(3)</td>
<td>Magnetic shielding. ☐ check if not included in project (only if magnetic field hazards or interferences are adequately controlled through facility planning). ☐ assessed by certified physicist.</td>
</tr>
</tbody>
</table>

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<tr>
<td></td>
<td>Special Design Elements for MRI Scanner Room:</td>
</tr>
<tr>
<td>(1)(a)</td>
<td>Ferromagnetic materials that may become detached or otherwise interfere with operation of MRI scanner are not used in MRI scanner rooms.</td>
</tr>
<tr>
<td>(1)(b)</td>
<td>MRI scanner room located or shielded to avoid interference from elevators or other electromagnetic equipment.</td>
</tr>
<tr>
<td>(2)(a)</td>
<td>Floor structure designed to support weight of MRI scanner equipment, minimize disturbance to MRI magnetic field &amp; mitigate disruptive environmental vibrations.</td>
</tr>
<tr>
<td>(2)(b)</td>
<td>MRI rooms be marked with lighted sign with red light to indicate that magnet is always on.</td>
</tr>
<tr>
<td>(2)(c)</td>
<td>Acoustic control provided to mitigate noise emitted by MRI scanner per Table 1.2-6.</td>
</tr>
</tbody>
</table>

### ULTRASOUND FACILITIES

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐</td>
<td>Check if not included in project.</td>
</tr>
</tbody>
</table>

#### 2.1-3.5.3.1

--- Ultrasound room meets above requirements for Class 1 imaging rooms.

#### 2.1-3.5.6.1

--- Space Requirements:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)(a)</td>
<td>Min. clearance 3'-0&quot; on all circulating sides of patient table or procedural chair.</td>
</tr>
</tbody>
</table>

#### 2.1-3.5.6.2

--- Patient toilet room directly accessible* from imaging room.

#### 2.1-3.5.10.2(2)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Each toilet room serves one ultrasound room only.</td>
</tr>
<tr>
<td>(b)</td>
<td>Patient toilet room serves more than one ultrasound room.</td>
</tr>
<tr>
<td>(c)</td>
<td>Shared toilet rooms have interlocking door access hardware.</td>
</tr>
</tbody>
</table>

### Ventilation:

- Min. 10 air changes per hour.
- Exhaust.
- Negative pressure.
- No recirculating room units.
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.7</td>
<td></td>
</tr>
<tr>
<td>NUCLEAR IMAGING SERVICES</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>2.1-3.5.7.1</td>
<td></td>
</tr>
<tr>
<td>2.1-3.5.3.1</td>
<td>Nuclear imaging room meets above requirements for Class 1 imaging rooms</td>
</tr>
<tr>
<td>2.1-3.5.7.1(3)</td>
<td>Exercise area or room</td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>(a)</td>
<td>space for exercise equipment in imaging room</td>
</tr>
<tr>
<td>or</td>
<td>space for exercise equipment in separate room directly accessible* to imaging room</td>
</tr>
<tr>
<td>(b)</td>
<td>staff work space in imaging room</td>
</tr>
<tr>
<td>or</td>
<td>staff work space in separate room directly accessible* to imaging room</td>
</tr>
<tr>
<td>2.1-3.5.7.1(4)</td>
<td>Handwashing Stations:</td>
</tr>
<tr>
<td></td>
<td>provided throughout nuclear imaging suite at locations of patient contact &amp; provided throughout nuclear imaging suite at locations where radiopharmaceutical materials are handled, prepared or disposed</td>
</tr>
<tr>
<td>2.1-3.5.7.1(5)</td>
<td>Nuclear imaging dose administration area (may be combined with pre-procedure patient care area or PET patient uptake/cool-down room)</td>
</tr>
<tr>
<td>(c)(d)</td>
<td>located near preparation area</td>
</tr>
<tr>
<td>(a)</td>
<td>provisions for visual privacy from other areas</td>
</tr>
<tr>
<td>2.1-3.5.7.1(6)</td>
<td>Surfaces throughout nuclear imaging suite constructed of cleanable non-porous materials that can be decontaminated</td>
</tr>
<tr>
<td>2.1-3.5.7.2</td>
<td>Scintigraphy (gamma camera) rooms ☐ check if not included in project</td>
</tr>
<tr>
<td>2.1-3.5.2.2</td>
<td>Space Requirements:</td>
</tr>
<tr>
<td>(1)</td>
<td>imaging rooms are sized &amp; configured to comply with manufacturer’s recommendations for installation service &amp; maintenance</td>
</tr>
<tr>
<td></td>
<td>installation plans from manufacturer have been submitted to DPH Plan Review</td>
</tr>
<tr>
<td>(2)(a)</td>
<td>min. clearance 4'-0&quot; on all circulating sides of patient table/bed/couch gantry or assembly</td>
</tr>
</tbody>
</table>
**Architectural Requirements**

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.

2.1-3.5.2.5 System component room

☐ check if not included in project

Location:

☐ accessed only from unrestricted or semi-restricted space outside imaging room.

Space Requirements:

☐ room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:

(a) transformers
(b) power distribution equipment
(c) power conditioning/UPS equipment
(d) computers
(e) associated electronics & electrical gear

2.1-3.5.7.3 Positron emission tomography suite (PET)

☐ check if not included in project

PET Suite Configuration:

(a) PET suites designed & positioned in facility to restrict incidental exposure to ionizing radiation sources by persons not immediately involved in PET examination.

(b) certified radiation physicist has determined extent of radiation shielding at radio-pharmacy, hot lab, scanner room, patient holding & other spaces.

Specifications of radiation shielding have been submitted to DPH Radiation Control Program.

(2) PET scanner room

2.1-3.5.3.1 PET scanner room meets above requirements for Class 1 imaging rooms.

2.1-3.5.2.2 Space Requirements:

(1) imaging rooms are sized & configured to comply with manufacturer's recommendations.

☐ installation plans from manufacturer have been submitted to DPH Plan Review.
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>(2)(a)</td>
<td>____ min. clearance 4'-0&quot; on all circulating sides of patient table/bed/couch gantry or assembly</td>
</tr>
</tbody>
</table>
| 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 |
| 2.1-3.5.7.3(3)(b) | ____ control room (may serve more than one PET scanner room) |
| 2.1-3.5.3.3 | ____ system component room  
|             | ☐ check if not included in project |
|             | (1) Location:  
|             | (a) accessed only from unrestricted or semi-restricted space outside imaging room |
|             | (2) Space Requirements:  
|             | ____ room sized to accommodate following as indicated by imaging equipment manufacturer including clear floor area:  
|             | (a) ____ transformers  
|             | (b) ____ power distribution equipment  
|             | (c) ____ power conditioning/UPS equipment  
|             | (d) ____ computers  
|             | (e) ____ associated electronics & electrical gear |
| 2.1-3.5.7.3(5) | ____ cyclotron room  
|             | ☐ check if not included in project (only if radiopharmaceuticals are provided by commercial sources)  
|             | (a) ____ located in access-restricted areas  
|             | (b) ____ shielding requirements for cyclotron facilities coordinated between equipment manufacturer & reviewing medical physicist  
|             | ____ specifications of radiation shielding have been submitted to DPH Radiation Control Program  
|             | (c) ____ handwashing station |
| (6)         | ____ patient uptake/cool-down room  
|             | ____ radiation shielding provided for patient uptake/cool-down  
|             | (a) ____ provided as appropriate to examinations & radiopharmaceuticals used for PET service |
**Architectural Requirements**

(b) configured & appointed to minimize patient movement during radiopharmaceutical uptake period

c) toilet room with handwashing station & dedicated “hot” toilet to accommodate radioactive waste
d) directly accessible* or adjacent* to uptake/cool-down room

2.1-3.5.7.4 Single-photon emission computed tomography room (SPECT) ☐ check if not included in project

2.1-3.5.3.1 SPECT scanner room meets above requirements for Class 1 imaging rooms

2.1-3.5.2.2 Space Requirements:
(1) imaging rooms are sized & configured to comply with manufacturer’s recommendations

(2) installation plans from manufacturer have been submitted to DPH Plan Review

2.1-3.5.2.4(d) Structural Support:

2.1-3.5.2.5 System component room ☐ check if not included in project

2.1-3.5.8.15(1) PRE- & POST-PROCEDURE PATIENT CARE AREA FOR CLASS 1 IMAGING ROOMS:

(a) transformers

(b) power distribution equipment

(c) power conditioning/UPS equipment

(d) computers

(e) associated electronics & electrical gear

**Building Systems Requirements**

Ventilation:

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

Table 8.1/Policy

MDPH/DHCFLC 12/18 OP5
2.1-3.5.8 SUPPORT AREAS FOR IMAGING SERVICES
(may be shared with other clinical services)

2.1-3.5.8.2 Reception area with control desk
2.1-3.5.8.3 Documentation area
2.1-3.5.8.4 Consultation area

2.1-3.5.8.2(1) Medication safety zone & storage
☐ check if not included in project
☐ immediately accessible* from pre- & post-procedure patient care areas

2.1-3.5.8.2(2) provision for locked storage of medications

2.1-2.8.8.1(2) Design Promoting Safe Medication Use:
(a) medication safety zones located out of circulation paths
(b) work space designed so that staff can access information & perform required tasks
(c) work counters provide space to perform required tasks
(e) sharps containers placed at height that allows users to see top of container
(f) max. 45 dBA noise level caused by building systems

2.1-2.8.8.2(1) medication preparation room
(a) under visual control of nursing staff
(b) work counter
(c) handwashing station
(d) lockable refrigerator
(e) locked storage for controlled drugs
(f) sharps containers
☐ check if not included in project

(c) self-contained medication-dispensing unit
☐ check if not included in project

or

2.1-2.8.8.2(2) automated medication-dispensing unit
(a) located at nurse station, in clean workroom or in alcove
(c) handwashing station located next to stationary medication-dispensing units or stations

Lighting:
☐ Task-specific lighting level min. 100 foot-candles

Ventilation:
☐ Min. 4 air changes per hour Table 8.1/

Lighting:
☐ Task lighting 2.1-2.8.8.1(2)(d)
### Architectural Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.8.11</td>
<td>Clean workroom or clean supply room</td>
</tr>
<tr>
<td>(1)</td>
<td>__ Readily accessible* to imaging rooms</td>
</tr>
<tr>
<td>2.1-2.8.11.22</td>
<td>Clean workroom</td>
</tr>
<tr>
<td>(1)</td>
<td>__ Work counter</td>
</tr>
<tr>
<td>(2)</td>
<td>__ Handwashing station</td>
</tr>
<tr>
<td>(3)</td>
<td>__ Storage facilities for clean &amp; sterile supplies</td>
</tr>
<tr>
<td>or</td>
<td>Clean supply room</td>
</tr>
<tr>
<td>2.1-3.5.8.13</td>
<td>Soiled workroom or soiled holding room</td>
</tr>
<tr>
<td>2.1-2.8.12.22</td>
<td>Soiled workroom</td>
</tr>
<tr>
<td>(1)(a)</td>
<td>__ Handwashing station</td>
</tr>
<tr>
<td>(1)(b)</td>
<td>__ Flushing-rim clinical service sink with bedpan-rinsing device or equivalent flushing-rim fixture</td>
</tr>
<tr>
<td>(1)(c)</td>
<td>__ Work counter</td>
</tr>
<tr>
<td>(1)(d)</td>
<td>__ Space for separate covered containers for waste &amp; soiled linen</td>
</tr>
<tr>
<td>or</td>
<td>Soiled holding room</td>
</tr>
<tr>
<td>(1)</td>
<td>__ Handwashing station or hand sanitation station</td>
</tr>
<tr>
<td>(2)</td>
<td>__ Space for separate covered containers for waste &amp; soiled linen</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.5.8.14</td>
<td>Environmental services room</td>
</tr>
<tr>
<td>(1)</td>
<td>__ Immediate access to imaging suite</td>
</tr>
<tr>
<td>2.1-2.8.14.2</td>
<td>Service sink or floor-mounted mop sink</td>
</tr>
<tr>
<td>(1)</td>
<td>__ Provisions for storage of supplies &amp; housekeeping equipment</td>
</tr>
<tr>
<td>(2)</td>
<td>__ Handwashing station</td>
</tr>
<tr>
<td>or</td>
<td>__ Hand sanitation station</td>
</tr>
</tbody>
</table>

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

**Policy:**
- Table 8.1
- Negative pressure
- No recirculating room units
Architectural Requirements

2.1-3.5.8.16 (3) Contrast media preparation area
☐ (may serve multiple imaging rooms)
☐ check if not included in project

(1)(a) & (b) sink & counter
☐ check if not included in project (only
if prepared media are used)

(2) storage to accommodate preparation of
contrast media

2.1-3.5.8.17 Image management system
(1) space provided for digital image
management system to be used for image
acquisition & transmission

2.1-3.5.8.18 Image interpretation/reading rooms
(1) remote location of image interpretation/
reading areas
☐ radiologist is immediately available
when interventional imaging
procedures are performed

or

(2) on-site location of image interpretation/
reading areas
(a) adjustable ambient lighting with
minimal glare projected onto
computer monitors
higher level of illumination for
room maintenance (activated
separately from ambient reading
lighting)
workstation task lighting for writing
or reading hard copy

(b) acoustic control
materials, finishes & sound
masking minimize disruption
from conversational speaking
dictation & surrounding noise

2.1-3.5.8.19 Facilities for Processing Ultrasound Probes:
☐ check if not included in project (only if
ultrasound room is not provided)

(1) dedicated ultrasound probe processing
room

(c) processing room allows for flow of
ultrasound probes from
decountamination area to clean area
& then to storage

(d) decontamination area
work counter

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

Errata
instrument-washing sink
appropriate to method of
decountamination used
dergarding station
### Architectural Requirements

- space & utility connections to support high-level disinfection process & equipment used

or

- ultrasound probes processed at point of use or in separate room or area using self-contained automated high-level disinfection unit specifically designed for ultrasound probes

(a) space for disinfection device with access to electrical receptacle

(b) access to soiled workroom provided in same clinical area to support probe decontamination

soiled workroom equipped with instrument-washing sink

- Errata

- clean ultrasound probe storage

2.1-3.5.8.21 Radiopharmaceutical production pharmacy

☐ check if not included in project

□ radiopharmacy provided with appropriate shielding

Space Requirements:

- space provided for dose calibration quality assurance & record-keeping activities

(b) space provided for storage of radionuclides chemicals for preparation dose calibrators & records

(2) floors & walls be constructed of easily decontaminated materials

2.1-3.5.8.22 Hot lab for nuclear imaging services

☐ check if not included in project

- securable area or room for storage & dosage of radiopharmaceuticals

(2) hot lab shielded according to manufacturer’s technical specifications

specifications have been submitted to DPH

- source storage area

- dose storage area

- storage area for syringe shields

- emergency eyewash & shower

### Building Systems Requirements

- Hoods for pharmaceutical preparation meet applicable standards

Ventilation:

- Min. 6 air changes per hour

- Exhaust

- Negative pressure

- No recirculating room units

Table 8.1/Policy
### Architectural Requirements

#### SUPPORT AREAS FOR IMAGING SERVICES

**STAFF**

2.1-3.5.9.1 **Staff lounge**
- (1) **readily accessible** to imaging suite
- (2) **Provisions for securing staff belongings**

2.1-3.5.9.2 **Staff toilet room**
- (2) **imaging suite has fewer than 3 imaging rooms**
  - **staff toilet room readily accessible** to imaging suite
- or
  - **imaging suite has 3 or more imaging rooms**
  - **staff toilet room immediately accessible** to imaging suite

#### SUPPORT AREAS FOR IMAGING PATIENTS

2.1-3.5.10.1 **Patient waiting room or area**
- (1) **screened & separated from unrelated traffic**
- (2) **seating capacity accommodates maximum expected patient volume**

- (4) **Sub-Waiting Areas:**
  - check if **not included in project**
  - **provision of waiting areas for individual imaging modalities or sharing of waiting areas among similar modalities**
  - **located adjacent** to imaging rooms

2.1-3.5.10.2 **Patient toilet rooms**
- (1) **immediately accessible** to waiting areas
- (2) **immediately accessible** to changing rooms
- (3) **handwashing stations**

- (3) **Toilet rooms for nuclear imaging patients**
  - check if **not included in project**
  - **immediately accessible** to waiting areas

#### Building Systems Requirements

**Ventilation:**
- **X-ray imaging rooms served**
  - **min. 12 air changes per hr**
  - **exhaust or recirculation through HEPA filter**
  - **negative pressure**
- or
  - **no X-ray imaging rooms served**
  - **ICRA attached to Project**
  - **Narrative indicates that no special measures are needed to reduce risk of airborne infection transmission**

2.1-3.5.10.1(5)

**Note:** Check boxes for applicable requirements.
Architectural Requirements

(b) ______ dedicated “hot” toilet rooms for dosed nuclear imaging patients

2.1-3.5.10.3 ______ Patient changing rooms
☐ check if not included in project
(1) ______ located adjacent* to imaging rooms
(2) ______ each room includes seat or bench & mirror
(3) ______ provisions for hanging patient clothing & securing valuables located either in patient changing room or in shared secured storage

Building Systems Requirements

Ventilation:
☐ Min. 10 air changes per hour Table 8.1/Policy
☐ Exhaust
☐ Negative pressure
☐ No recirculating room units

LINEN SERVICES

2.1-4.4.2 ______ Dedicated on-site linen processing area
☐ check if not included in project (only if linen is processed off-site)
2.1-4.4.2.1(1) ______ area large enough to accommodate washer, dryer & any plumbing equipment needed to meet temperature requirements
2.1-4.4.2.1(2) ______ area divided into distinct soiled area (sorting & washing) & clean area (drying & folding)
2.1-4.4.2.2 ______ storage for laundry supplies
2.1-4.4.2.3 ______ clean linen storage
2.1-4.4.2.4 ______ handwashing station
2.1-4.4.3 ______ Support areas for outpatient facilities using off-site laundry services
☐ check if not included in project (only if linen is processed on-site)
2.1-4.4.3.1 ______ soiled linen holding area or dedicated area for soiled laundry carts
2.1-4.4.3.2 ______ clean linen storage area or dedicated area for clean linen carts

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

ENVIRONMENTAL SERVICES

2.1-5.3.1 ______ 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 environmental services room per floor
2.1-5.3.1.1(2) ______ additional ES rooms provided on floor according to needs of areas served
2.1-5.3.1.2(1) ______ service sink or floor-mounted mop sink

Ventilation:
☐ Min. 10 air changes per hour Table 8.1/Policy
☐ Exhaust
☐ Negative pressure
☐ No recirculating room units
<table>
<thead>
<tr>
<th>Architectural Requirements</th>
<th>Building Systems Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-5.3.1.2(2) ___ provisions for storage of supplies &amp; housekeeping equipment</td>
<td></td>
</tr>
<tr>
<td>2.1-5.3.1.2(3) ___ handwashing station or hand sanitation dispenser</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.2.1 __ Equipment rooms for HVAC, telecom. &amp; electrical equipment</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.2.2 ___ secured with controlled access</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.3 ___ Building maintenance supplies &amp; equipment storage room</td>
<td></td>
</tr>
<tr>
<td>2.3-5.4 ENGINEERING &amp; MAINTENANCE SERVICES</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.2.1 __ Equipment rooms for HVAC, telecom. &amp; electrical equipment</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.2.2 ___ secured with controlled access</td>
<td></td>
</tr>
<tr>
<td>2.1-5.4.3 ___ Building maintenance supplies &amp; equipment storage room</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2 PUBLIC AREAS</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.1 ___ Vehicular drop-off &amp; pedestrian entrance</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.1.1 ___ min. of one building entrance reachable from grade level</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.1.2 ___ building entrances used to reach outpatient services be clearly marked</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.1.3 ___ building entrances used to reach outpatient services located so patients need not go through other activity areas (except for shared lobbies in multi-occupancy buildings)</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.2 ___ Reception</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.3 ___ Waiting area</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.4 ___ Public toilet room (may be located off public corridor in multi-tenant building)</td>
<td></td>
</tr>
<tr>
<td>2.1-6.2.4.1 ___ readily accessible* from waiting area without passing through patient care or staff work areas</td>
<td>Ventilation:</td>
</tr>
<tr>
<td>2.1-6.2.5 ___ Provisions for telephone access</td>
<td>Min. 10 air changes per hour Table 8.1</td>
</tr>
<tr>
<td>2.1-6.2.6 ___ Provisions for drinking water</td>
<td>Exhaust</td>
</tr>
<tr>
<td>2.1-6.2.7.1 ___ Wheelchair storage</td>
<td>Negative pressure</td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td>No recirculating room units</td>
</tr>
<tr>
<td>___ designated area located out of required corridor width</td>
<td></td>
</tr>
<tr>
<td>___ directly accessible* to entrance</td>
<td></td>
</tr>
<tr>
<td>___ provided for at least one wheelchair</td>
<td></td>
</tr>
</tbody>
</table>

Table 8.1
## Architectural Requirements

### Wheelchair parking space

☐ check if not included in project (only if facility provides services that do not require patients to transfer to facility chair, recliner, exam table or stretcher)

___ designated area provided for parking at least one patient-owned wheelchair in non-public area

___ located out of any required egress width or other required clearance

### Interview space

☐ check if not included in project

(2) (may be combined with consultation room)

(1) separate from public areas

### Office space for business, administrative & professional staffs

### Medical records space

___ provisions be made for securing medical records of all media types used by facility

___ location restricted to staff access to maintain confidentiality of record

### Space Requirements:

(1) space provided for medical records management

(2) physical space for electronic storage of forms or documents

### Storage for office equipment & supplies

### Staff lounge

☐ check if not included in project

___ handwashing station

### Storage for staff personal effects

___ locking drawers cabinets or lockers

___ readily accessible* to individual work areas

---

### Administrative Areas

#### Interview space

☐ check if not included in project

(2) (may be combined with consultation room)

(1) separate from public areas

#### Office space for business, administrative & professional staffs

#### Medical records space

___ provisions be made for securing medical records of all media types used by facility

___ location restricted to staff access to maintain confidentiality of record

#### Space Requirements:

(1) space provided for medical records management

(2) physical space for electronic storage of forms or documents

#### Storage for office equipment & supplies

#### Staff lounge

☐ check if not included in project

___ handwashing station

#### Storage for staff personal effects

___ locking drawers cabinets or lockers

___ readily accessible* to individual work areas

---

*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

2.1-7.2.2.1 CORRIDOR WIDTH:
IBC 1018.2
Min. 44”
or
Detailed code review incorporated in Project Narrative

421 CMR 6.00
Corridors include turning spaces for wheelchairs

2.1-7.2.2.2 CEILING HEIGHT:
(2)
Min. height 7'-0” in radiography rooms from floor to lowest protruding element of equipment or fixture in stowed position

(4)
Min. height 7’-6” above floor of suspended tracks, rails & pipes located in traffic path

Min. ceiling height 7’-10” in other areas

2.1-7.2.2.3 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. 34” clear door width
min. 83.5” clear door height

(3)
Door Swing:
(a) doors do not swing into corridors except doors to non-occupiable spaces (e.g. environmental services rooms & electrical closets) & doors with emergency breakaway hardware

(4) Lever hardware or push/pull latch hardware

2.1-7.2.2.8 HANDWASHING STATIONS:
(3)
(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
☐ check if not included in project (only at hand scrub facilities)

(a) hand-drying device does not require hands to contact dispenser

(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

2.1-7.2.2.10 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

(5) Doors for Patient Toilet Facilities:
(a) door that swings outward

or

(b) door equipped with emergency rescue hardware (permits quick access from outside the room to prevent blockage of the door)

or

sliding door other than pocket door

(b) toilet room opens onto public area or corridor
☐ check if not included in project
visual privacy is maintained
2.1-7.2.2.11  RADIATION PROTECTION:
☐ check if no radiation emitting equipment is included in project
☐ Protection for X-ray & Gamma-ray installations are shown in the plans
☐ Documentation for radiation protection has been submitted separately to the DPH Radiation Control Program

2.1-7.2.2.14  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

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
(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

2.1-7.2.4.3  Privacy curtains in patient care areas are washable

2.1-8.2  HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS
2.1-8.2.1.3  Ventilation rates meet requirements of Table 8.1 in Part 3 ASHRAE Standard 170 (Policy based on input from Facility Guidelines Institute)

2.1-8.3  ELECTRICAL SYSTEMS
2.1-8.3.2  ELECTRICAL DISTRIBUTION & TRANSMISSION
2.1-8.3.2.2  Panelboards:
☐ all panelboards accessible to health care tenants they serve
☐ panelboards not located in exit enclosures or exit passageways

2.1-8.3.6  ELECTRICAL RECEPTACLES
☐ Receptacles in patient care areas are provided according to Table 2.1-1

2.1-8.4  PLUMBING SYSTEMS
2.1-8.4.2  Plumbing & Other Piping Systems:
2.1-8.4.2.1(3) 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 does not exceed 25'-0" in length
(3)(a) no installation of dead-end piping (except for empty risers mains & branches for future use)
(3)(b) any existing dead-end piping is removed
☐ check if not included in project
(4)(a) 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 electronic data processing rooms & electrical rooms have special provisions to protect space below from leakage & condensation
☐ check if not included in project
(1)(b) 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 that is not open to restricted area

2.1-8.4.3 PLUMBING FIXTURES
2.1-8.4.3.1(1) Materials used for plumbing fixtures are non-absorptive & acid-resistant

2.1-8.4.3.2 Handwashing Station Sinks:
(1) sinks in handwashing stations are designed with basins that will reduce risk of splashing to areas where direct patient care is provided & medications are prepared
(2) sink basins have nominal size of no less than 144 square inches
sink basins have min. dimension 9 inches in width or length
(3) 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
(7) anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied
(8) sinks used by staff, patients, & public have fittings that can be operated without using hands (may be single-lever or wrist blade devices)
(a) blade handles
☐ check if not included in project
☐ at least 4 inches in length
☐ provide clearance required for operation

2.1-8.4.3.2 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

2.1-8.7 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:
2.1-8.7.5.1 elevator call buttons & controls not activated by heat or smoke
2.1-8.7.5.2 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
2.1-8.7.5.3 elevator controls, alarm buttons & telephones are accessible to wheelchair occupants & usable by the blind