COMPLIANCE CHECKLIST

OP10  Outpatient Surgery 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:  

Facility Address:  

Satellite Name: (if applicable)  

Satellite Address: (if applicable)  

Project Description:  

DoN Project Number: (if applicable)

Building/Floor Location:  

Submission Dates:  

Initial Date:  

Revision Date:  

12/18 OP10
Architectural Requirements

2.7

OUTPATIENT SURGERY FACILITIES

2.7-1.1

APPLICATION
2.7-1.1.1

☐ Outpatient facilities where same-day surgery is performed

2.7-1.3.2

PARKING
☐ Space reserved or designated for pickup of patients after recovery

2.7-2

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 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

2.1-2.6.3

☐ rectangular clear floor area min. 46" wide extends 72" from front of toilet

2.1-2.7

Single-patient exam/observation room
2.1-2.7.1

Space Requirements:
2.1-2.7.1.1(1)

☐ min. 5'-0" clearance at foot of expanded-capacity exam table

Ventilation:
☐ Min. 4 air changes per hour Table 8.1
☐ Exhaust
☐ Negative pressure
☐ No recirculating room units

(2)

☐ min. 3'-0" clearance on non-transfer side of expanded-capacity exam table

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

2.1-8.3.4.3(1)

☐ Portable or fixed exam light
Architectural Requirements

(3)(a)  
___ min. 5'-0" on transfer side of expanded-capacity exam table with ceiling- or wall-mounted lift

or

(3)(b)  
___ min. 7'-0" on transfer side of expanded-capacity exam table in rooms without ceiling- or wall-mounted lift

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

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 & areas where care will be provided for patients of size have min. clear width of 45.5"

2.1-2.10.2.2  
___ door openings to toilet rooms designated for patients of size have min. clear width of 45.5"

2.7-3  

PATIENT CARE & DIAGNOSTIC AREAS

2.7-3.1.1  
Location & Layout:

2.7-3.1.1.4  
___ outpatient surgery facility is divided into unrestricted area, semi-restricted area & restricted area

___ areas defined by physical activities performed in each area

2.7-3.1.1.1  
___ semi-restricted & restricted areas are arranged to prevent unrelated traffic through those spaces

2.7-3.1.1.2  
___ patient care areas are designed to facilitate movement of patients & personnel into through & out of defined areas in surgery facility

2.7-3.1.1.3  
___ signs that clearly indicate where surgical attire is required are provided at all entrances to semi-restricted areas

Building Systems Requirements

Power:

___ Min. 8 receptacles  
___ 4 convenient to head of exam table or gurney

Table 2.1-1
### Architectural Requirements

**2.7-3.2**
- Examination room
  - [☐] check if not included in project

**2.7-3.2.2**
- (use of procedure room as examination room is permitted)
- [☐] located in unrestricted area

**2.1-3.2.1.2**
- Space Requirements:
  - [☐] min. clear floor area of 80 sf
  - room size allows min. clearance
    - [☐] 2'-8" at each side & at foot of exam table or recliner
  - room arrangement shown in the plans for each exam room (Layout #1)

- Exam Room Features:
  - [☐] portable or fixed exam light
  - [☐] storage for supplies
  - [☐] accommodations for written or electronic documentation
  - [☐] space for visitor’s chair
  - [☐] handwashing station

**2.7-3.3**
- Procedure room
  - [☐] check if not included in project

**2.1-3.2.2.1(1)**
- procedure room is designated for the performance of patient care that requires high-level disinfection or sterile instruments & some environmental controls but is not required to be performed with the environmental controls of an operating room
  - Project Narrative states that a clinical assessment of procedures to be performed in facility has been conducted by medical director to determine appropriate room type & location for these procedures

**2.1-3.2.2.2**
- Space Requirements:
  - (1)(a) procedure rooms without anesthesia machine & supply cart
    - [☐] min. clear floor area 130 sf
    - (fixed encroachments allowed if they extend max. 12” into min. clear floor area & their width along each wall does not exceed 10% of wall length)
  - (2)(a) min. clearance 3'-6” on each side procedure table or chair
    - min. clearance 3'-0” at head & foot procedure table or chair

### Building Systems Requirements

**Ventilation:**
- [☐] Min. 4 air changes per hour
  - Table 8.1

**Power:**
- [☐] Min. 8 receptacles
  - Table 2.1-1
  - [☐] 4 convenient to head of exam table or gurney

**Ventilation:**
- [☐] Min. 15 air changes per hour
  - Table 8.1

**Power:**
- [☐] Min. 12 receptacles
  - Table 2.1-1
  - [☐] 8 convenient to table placement
  - [☐] At least 1 on each wall

**Medical Gases:**
- [☐] 1 OX, 1 VAC (may be portable)
  - Table 2.1-2

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MDPH/DHCFLC

12/18 OP10
(b) procedure rooms with anesthesia machine & supply cart
   \[ \text{min. clear floor area } 160 \text{ sf} \]

(3) (fixed encroachments allowed if they extend max. 12” into min. clear floor area & their width along each wall does not exceed 10% of wall length)

(2)(a) min. clearance 3’-6” on each side procedure table or chair

(2)(b) min. clearance 6’-0” at head of procedure table or chair

2.1-3.2.2.3 documentation area
   \[ \text{accommodations for written or electronic documentation} \]

2.1-3.2.2.4 provisions for patient privacy

2.1-3.2.2.5 handwashing station
   \[ \text{or} \]

2.1-3.2.2.8 Support Areas for Procedure Room:
   (may be shared with other clinical services in facility)

2.1-3.8.8.1(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

2.1-3.8.8.2 medication preparation room
   (a) work counter
      \[ \text{handwashing station} \]
      \[ \text{lockable refrigerator} \]
      \[ \text{locked storage for controlled drugs} \]
      \[ \text{sharps containers} \]
      \[ \text{check if not included in project} \]

Ventilation:
   \[ \text{Min. 15 air changes per hour} \]
   \[ \text{Positive pressure} \]
   \[ \text{No recirculating room units} \]

Power:
   \[ \text{Min. 12 receptacles} \]
   \[ 8 \text{ convenient to table placement} \]
   \[ \text{At least 1 on each wall} \]

Medical Gases:
   \[ 1 \text{ OX, 1 VAC (may be portable)} \]
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Compliance</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>(b) self-contained medication dispensing units</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(b) room designed with space to prepare medications</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>or</td>
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<td></td>
</tr>
<tr>
<td>(2) automated medication-dispensing unit</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>(a) located at nurse station, in clean workroom or in alcove</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>(b) handwashing station or hand sanitation dispenser provided next to stationary medication-dispensing units</td>
<td>☐</td>
<td></td>
</tr>
<tr>
<td>(c) countertop or cart provided adjacent to stationary medication-dispensing units</td>
<td>☐</td>
<td></td>
</tr>
</tbody>
</table>

2.1.3.2.2.8(11) clean storage
(a) storage area for clean/sterile supplies

2.1.3.8.11.2 clean workroom
(11)(b) ☐ check if not included in project (only if facility does not have more than one procedure room)
(1) work counter
(2) handwashing station
(3) storage facilities for clean & sterile supplies

2.1.3.2.2.8(12) soiled holding
(a) space for holding soiled materials
(b) separate from clean storage area

2.1.3.2.3.8(16) Facilities for on-site sterile processing
☐ check if not included in project (if sterile processing is performed off-site)
☐ Compliance Checklist OP4 has been submitted

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
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<tbody>
<tr>
<td>Lighting:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Task lighting</td>
<td>2.1-2.8.1(2)(d)</td>
<td></td>
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<tr>
<td>Lighting:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Task lighting</td>
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<td></td>
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<tr>
<td>Ventilation:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Min. 4 air changes per hour</td>
<td>Table 8.1</td>
<td></td>
</tr>
<tr>
<td>☐ Positive pressure</td>
<td></td>
<td></td>
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<tr>
<td>Ventilation:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Min. 10 air changes per hour</td>
<td>Table 8.1</td>
<td></td>
</tr>
<tr>
<td>☐ Exhaust</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Negative pressure</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ No recirculating room units</td>
<td></td>
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</tbody>
</table>
Architectural Requirements

2.7.3.4
--- Outpatient operating rooms
2.1.3.2.3.1(1)
   Application:
   --- rooms designated for performance
   of invasive procedures as defined
   in Glossary
2.1.3.2.3.1(2)
   --- outpatient operating room meets
   requirements of restricted area

2.1.3.2.3.2
   Space Requirements:
   (3)
   (may include minor wall encroachments
   of max. 12" deep by max. 10% of wall
   length)
   (1)(a)
   --- min. clear floor area 255 sf
   (2)(a)
   --- min. clearance 6'-0" on each side
   --- min. clearance 5'-0" at head & foot
   OR Includes Anesthesia Machine
   & Supply Cart:
   ☐ check if not included in project
   (1)(b)
   --- min. clear floor area 270 sf
   (2)(b)
   --- min. clearance 6'-0" on each side
   --- 6'-0" x 8'-0" at head
   --- results in anesthesia work
   zone with clear floor area
   of 48 sf
   --- min. clearance 5'-0" at foot
   (1)(c)
   OR SIZED for Additional Staff &
   Equipment:
   ☐ check if not included in project
   (2)(c)
   --- min. clear floor area 400 sf
   --- min. clearance 8'-6" on each
   side
   --- min. clearance 6'-0" at head
   --- results in anesthesia work
   zone with clear floor area
   of 48 sf
   --- min. clearance 7'-0" at foot

2.1.3.2.3.3
   --- documentation area
   (1)
   --- accommodations for written and/or
   electronic documentation be
   provided in operating room
   (2)
   --- use of documentation area allows
   for direct observation of patient

2.1.3.2.3.4
   --- medical image viewers (e.g. X-ray film
   or digital)

Building Systems Requirements

Ventilation:
--- Min. 20 air changes per hour
--- Positive pressure
--- No recirculating room units
Table 8.1

Power:
--- Min. 36 receptacles
--- 12 convenient to operating table
--- 2 on each wall
Table 2.1-1

Nurse Call System:
--- Staff assistance station
--- Emergency call station
Table 2.1-3

Medical Gases:
--- 2 OX, 3 VAC
--- 1 MA (may be portable)
Table 2.1-2
### Architectural Requirements

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.2.3.5</td>
<td>___ hand scrub facilities</td>
</tr>
<tr>
<td>2.1-3.8.6.1</td>
<td>___ at least one hand scrub position located in semi-restricted area for each operating room</td>
</tr>
<tr>
<td></td>
<td>___ located next to entrance to each room</td>
</tr>
<tr>
<td>2.1-3.8.6.2</td>
<td>___ (one hand scrub station consisting of two scrub positions may be shared if located adjacent* to entrance of each room)</td>
</tr>
<tr>
<td>2.1-3.8.6.3</td>
<td>___ placement of scrub stations does not restrict min. required corridor width</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

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<th>Code</th>
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<tbody>
<tr>
<td>2.1-3.3.2.8</td>
<td>___ medication safety zone</td>
</tr>
<tr>
<td>2.1-3.3.2.8(8)</td>
<td>Design Promoting Safe Medication Use:</td>
</tr>
<tr>
<td></td>
<td>___ medication safety zones located out of circulation paths</td>
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<tr>
<td></td>
<td>___ work space designed so that staff can access information &amp; perform required tasks</td>
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<td>___ work counters provide space to perform required tasks</td>
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<td>___ sharps containers placed at height that allows users to see top of container</td>
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<tbody>
<tr>
<td>2.1-3.8.8.2</td>
<td>___ medication preparation room</td>
</tr>
<tr>
<td></td>
<td>___ hand counter</td>
</tr>
<tr>
<td></td>
<td>___ handwashing station</td>
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<tr>
<td></td>
<td>___ lockable refrigerator</td>
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<td></td>
<td>___ locked storage for controlled drugs</td>
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<tr>
<td></td>
<td>___ self-contained medication dispensing units</td>
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<td></td>
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<tr>
<td></td>
<td>___ room designed with space to prepare medications</td>
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<tr>
<td>2.1-3.8.8.2</td>
<td>___ automated medication-dispensing unit</td>
</tr>
<tr>
<td></td>
<td>___ located at nurse station, in clean workroom or in alcove</td>
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<tr>
<td></td>
<td>___ handwashing station or hand sanitation dispenser provided next to stationary medication-dispensing units</td>
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### Support Areas for Operating Rooms:

<table>
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<tr>
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</tr>
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<tbody>
<tr>
<td>2.1-3.8.8.1(2)(d)</td>
<td>___ Task-specific lighting level min. 100 foot-candles</td>
</tr>
<tr>
<td>2.1-3.8.8.1(2)(d)</td>
<td>___ Task lighting</td>
</tr>
</tbody>
</table>

### Ventilation:

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.8.8.1(2)(d)</td>
<td>___ Min. 4 air changes per hour Table 8.1</td>
</tr>
<tr>
<td>2.1-3.8.8.1(2)(d)</td>
<td>___ Task lighting</td>
</tr>
</tbody>
</table>

*Check if not included in project.*
**Architectural Requirements**

(c) countertop or cart provided adjacent* to stationary medication-dispensing units

2.1-3.2.3.8(11)

(a) Clean Storage:
- storage area for clean/sterile supplies (only in facilities with only one operating room)
- or

(b) clean workroom
- work counter
- handwashing station

2.1-3.8.11.2(1)

2.1-3.8.11.2(2)

2.1-3.8.11.2(3)

2.1-3.2.3.8(12) Soiled holding space

2.1-3.2.2.8(12)

- space for holding soiled materials
- separate from clean storage area

2.1-3.2.3.8(16) Facilities for on-site sterile processing
- check if not included in project (if sterile processing is performed off-site)
- Compliance Checklist OP4 has been submitted

2.7-3.5 PRE- & POSTOPERATIVE PATIENT CARE

☐ check if not included in project (only if pre- & post-procedure patient care station located in procedure room)

2.1-3.7.1.1 Patient care stations accommodate lounge chairs, gurneys or beds for pre- & post-procedure (recovery) patient care

2.1-3.7.1.2 Location in unrestricted area

2.1-3.7.1.3

(1)(a) Layout:
- combination of pre- & post-procedure patient care stations in one patient care area
- patient care stations combined in same area meet most restrictive requirements of areas to be combined
- or

(b) separate pre-procedure patient care area & post-procedure recovery area
- or

(c) three areas: pre-procedure patient care area, Phase I post-anesthesia care unit (PACU) & Phase II recovery area

**Building Systems Requirements**

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

Table 8.1

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><strong>2.1-3.7.1.4</strong> Number of Patient Care Stations:</td>
<td></td>
</tr>
<tr>
<td>(1) pre- &amp; post-procedure patient care stations combined in one area</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>☐ at least one patient care station provided for each imaging procedure or operating room</td>
<td></td>
</tr>
<tr>
<td>(2) separate pre-procedure &amp; recovery areas</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td><strong>2.1-3.7.3</strong> pre-procedure patient care room or area provides min. of one patient care</td>
<td></td>
</tr>
<tr>
<td>station per imaging room, procedure room or operating room</td>
<td></td>
</tr>
<tr>
<td><strong>2.1-3.7.5</strong> Phase II recovery room or area provides min. one Phase II patient care station</td>
<td></td>
</tr>
<tr>
<td>per procedure room</td>
<td></td>
</tr>
<tr>
<td><strong>2.1-3.7.2.2</strong> Space Requirements:</td>
<td></td>
</tr>
<tr>
<td>(2) patient care bays</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>(a) min. clearance 5'-0&quot; between sides of patient beds/gurneys/lounge chairs</td>
<td></td>
</tr>
<tr>
<td>min. clearance 3'-0&quot; between sides of patient beds/gurneys/lounge chairs &amp; adjacent walls or partitions</td>
<td></td>
</tr>
<tr>
<td>min. clearance 2'-0&quot; between foot of patient beds/gurneys/lounge chairs &amp; cubicle curtain</td>
<td></td>
</tr>
<tr>
<td>Ventilation:</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 6 air changes per hour</td>
<td>Table 8.1</td>
</tr>
<tr>
<td>☐ No recirculating room units</td>
<td></td>
</tr>
<tr>
<td>Power:</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 4 receptacles</td>
<td>Table 2.1-1</td>
</tr>
<tr>
<td>☐ Convenient to patient</td>
<td></td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td></td>
</tr>
<tr>
<td>☐ Patient station</td>
<td>Table 2.1-3</td>
</tr>
<tr>
<td>☐ Staff assistance station</td>
<td></td>
</tr>
<tr>
<td>☐ Emergency call station</td>
<td></td>
</tr>
<tr>
<td>(b) patient care cubicles</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>min. clearance 3'-0&quot; between sides of patient beds/gurneys/lounge chairs &amp; adjacent walls or partitions</td>
<td></td>
</tr>
<tr>
<td>min. clearance 2'-0&quot; between foot of patient beds/gurneys/lounge chairs &amp; cubicle curtain</td>
<td></td>
</tr>
<tr>
<td>Ventilation:</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 6 air changes per hour</td>
<td>Table 8.1</td>
</tr>
<tr>
<td>☐ No recirculating room units</td>
<td></td>
</tr>
<tr>
<td>Power:</td>
<td></td>
</tr>
<tr>
<td>☐ Min. 4 receptacles</td>
<td>Table 2.1-1</td>
</tr>
<tr>
<td>☐ Convenient to patient</td>
<td></td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td></td>
</tr>
<tr>
<td>☐ Patient station</td>
<td>Table 2.1-3</td>
</tr>
<tr>
<td>☐ Staff assistance station</td>
<td></td>
</tr>
<tr>
<td>☐ Emergency call station</td>
<td></td>
</tr>
<tr>
<td>(c) bays or cubicles face each other</td>
<td></td>
</tr>
<tr>
<td>☐ check if not included in project</td>
<td></td>
</tr>
<tr>
<td>aisle with min. clearance 8'-0&quot; independent of foot clearance between patient stations or other fixed objects</td>
<td></td>
</tr>
</tbody>
</table>
Architectural Requirements

- single-patient rooms
  - check if not included in project
- min. clearance 3'-0" between sides & foot of beds/gurneys/lounge chairs & adjacent* walls or partitions

Building Systems Requirements

Ventilation:
- Min. 6 air changes per hour (Table 8.1)
- No recirculating room units

Power:
- Min. 4 receptacles (Table 2.1-1)
- Convenient to patient

Nurse Call System:
- Patient station (Table 2.1-3)
- Staff assistance station
- Emergency call station

2.1-3.7.2.4 Provisions made for patient privacy
2.1-3.7.2.5
2.1-3.8.7 Handwashing stations
2.1-3.8.7.1 located in each room where hands-on patient care is provided
2.1-3.8.7.3 handwashing station serves multiple patient care stations
  - check if not included in project
(1) at least one handwashing station provided for every four patient care stations or fewer & for each major fraction thereof
(2) handwashing stations evenly distributed based on arrangement of patient care stations

2.7-3.5.8 Support Areas for Pre- & Postoperative Patient Care Areas:

2.7-3.5.8.1 provided in or directly accessible* to pre- & postoperative patient care areas

2.7-3.5.8.2 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

2.7-3.5.8.8 Medication safety zone
2.1-3.8.8.1(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

Lighting:
- Task-specific lighting level min. 100 foot-candles (2.1-3.8.8.1(2)(d))
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.8.8.2</td>
<td>Medication preparation room</td>
</tr>
<tr>
<td>(1)</td>
<td>Work counter</td>
</tr>
<tr>
<td>(a)</td>
<td>Handwashing station</td>
</tr>
<tr>
<td></td>
<td>Lockable refrigerator</td>
</tr>
<tr>
<td></td>
<td>Locked storage for controlled drugs</td>
</tr>
<tr>
<td></td>
<td>Sharps containers</td>
</tr>
<tr>
<td>(b)</td>
<td>Self-contained medication dispensing units</td>
</tr>
<tr>
<td></td>
<td>Room designed with space to prepare medications</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation</td>
<td>Min. 4 air changes per hour</td>
</tr>
<tr>
<td>Table 8.1</td>
<td></td>
</tr>
</tbody>
</table>

**Lighting** |

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task lighting</td>
<td>2.1-2.8.8.1(2)(d)</td>
</tr>
</tbody>
</table>

### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-3.8.8.9</td>
<td>Nourishment area</td>
</tr>
<tr>
<td>(1)</td>
<td>Directly accessible* to postoperative patient care area</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation</td>
<td>Min. 2 air changes per hour</td>
</tr>
<tr>
<td>Table 8.1</td>
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**Lighting** |

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task lighting</td>
<td>2.1-3.8.8.1(2)(d)</td>
</tr>
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</table>

### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7-3.5.8.10</td>
<td>Ice-making equipment</td>
</tr>
<tr>
<td>(2)</td>
<td>Not located in semi-restricted area</td>
</tr>
</tbody>
</table>

**Lighting** |

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task lighting</td>
<td>2.1-3.8.8.1(2)(d)</td>
</tr>
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</table>

### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7-3.7.12.1</td>
<td>Soiled workroom</td>
</tr>
</tbody>
</table>

**Lighting** |

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exhaust</td>
<td>10 air changes per hour</td>
</tr>
<tr>
<td>Table 8.1</td>
<td></td>
</tr>
</tbody>
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**MDPH/DHCFLC**

12/18 OP10
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(c) work counter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(d) space for separate covered containers for waste &amp; soiled linen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Building Systems Requirements

- Negative pressure
- No recirculating room units

### 2.7-3.5.8.13

- Equipment & supply storage
  - dedicated storage for equipment & supplies
  - or
  - location of storage for equipment & supplies in Clean Equipment & Supply Storage Room
  - storage room directly accessible* to pre- & post-operative patient care areas

### 2.7-3.5.8.13(4)

- Emergency equipment storage

### 2.7-3.5.9.2

- Staff toilet room (may be located in staff changing area)
  - immediately accessible* to pre- & postoperative patient care areas

### 2.7-3.5.10

#### Support Areas for Patients & Visitors:

- Patient toilet rooms
  - directly accessible* to each pre- & postoperative patient care area

### Ventilation:

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

### + Errata

- toilet rooms directly accessible* from single-patient rooms used for Airborne Infection Isolation (AI)
  - check if not included in project (only if no AI room is provided)

- additional shared toilets provided at ratio of 1 patient toilet for each 8 patient care stations or fewer & for each major fraction thereof
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7-3.6</td>
<td>SUPPORT AREAS IN SEMI-RESTRICTED AREA</td>
</tr>
<tr>
<td>2.7-3.6.2</td>
<td>Nurse or control station</td>
</tr>
<tr>
<td>2.7-3.6.2.1</td>
<td>located in semi-restricted area</td>
</tr>
<tr>
<td></td>
<td>or</td>
</tr>
<tr>
<td></td>
<td>located in unrestricted area</td>
</tr>
<tr>
<td></td>
<td>directly accessible* to semi-restricted area</td>
</tr>
<tr>
<td>2.7-3.6.2.2</td>
<td>permits direct visual observation of traffic into semi-restricted area</td>
</tr>
<tr>
<td>2.7-3.6.2.3</td>
<td>access through all entries to semi-restricted area are controlled</td>
</tr>
<tr>
<td>2.7-3.6.6</td>
<td>Hand scrub facilities</td>
</tr>
<tr>
<td>2.1-3.8.6.1</td>
<td>at least one hand scrub position located in semi-restricted area for each operating room</td>
</tr>
<tr>
<td></td>
<td>located next to entrance to each room (one hand scrub station consisting of two scrub positions may be shared if located adjacent* to entrance of each room)</td>
</tr>
<tr>
<td>2.1-3.8.6.3</td>
<td>the placement of scrub station(s) does not restrict min. required corridor width</td>
</tr>
<tr>
<td>2.7-3.6.13.4</td>
<td>Emergency equipment storage</td>
</tr>
<tr>
<td>2.1-3.8.13.4(2)</td>
<td>readily accessible*</td>
</tr>
<tr>
<td>2.1-3.8.13.4(3)</td>
<td>under staff control</td>
</tr>
<tr>
<td>2.7-3.6.14</td>
<td>Environmental services room</td>
</tr>
<tr>
<td>2.7-3.6.14.1</td>
<td>environmental services room is not shared with other areas</td>
</tr>
<tr>
<td>2.7-3.6.14.2</td>
<td>accessed from semi-restricted corridor</td>
</tr>
<tr>
<td>2.1-5.3.1.2(1)</td>
<td>service sink or floor-mounted mop sink</td>
</tr>
<tr>
<td>2.1-5.3.1.2(3)</td>
<td>handwashing station or hand sanitation dispenser</td>
</tr>
<tr>
<td>2.7-3.6.15</td>
<td>Facilities for on-site sterile processing</td>
</tr>
<tr>
<td></td>
<td>check if not included in project (if sterile processing is performed off-site)</td>
</tr>
<tr>
<td></td>
<td>Compliance Checklist OP4 has been submitted</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7-3.6.13.4</td>
<td>Emergency equipment storage</td>
</tr>
<tr>
<td></td>
<td>readily accessible*</td>
</tr>
<tr>
<td></td>
<td>under staff control</td>
</tr>
<tr>
<td>2.1-3.8.13.4(3)</td>
<td>storage of battery-powered CPR cart</td>
</tr>
<tr>
<td></td>
<td>electrical outlet for battery charging is provided</td>
</tr>
<tr>
<td>2.7-3.6.14</td>
<td>Environmental services room</td>
</tr>
<tr>
<td>2.7-3.6.14.1</td>
<td>environmental services room is not shared with other areas</td>
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<td>2.1-5.3.1.2(3)</td>
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</tr>
<tr>
<td></td>
<td>Ventilation:</td>
</tr>
<tr>
<td></td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td></td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>Negative pressure</td>
</tr>
<tr>
<td></td>
<td>No recirculating room units</td>
</tr>
</tbody>
</table>

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Table 8.1/ Policy
### Architectural Requirements

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7-3.7</td>
<td>SUPPORT AREAS DIRECTLY ACCESSIBLE TO SEMI-RESTRICTED AREA</td>
</tr>
<tr>
<td>2.7-3.7.12</td>
<td>Soiled workroom or soiled holding room</td>
</tr>
<tr>
<td>2.7-3.7.12.1(2)</td>
<td>(a) dedicated for use by semi-restricted area or (b) shared with unrestricted area or another semi-restricted area</td>
</tr>
<tr>
<td></td>
<td>(c) direct access is provided from semi-restricted area</td>
</tr>
<tr>
<td></td>
<td>(d) separate entrance is provided from unrestricted area</td>
</tr>
<tr>
<td>2.7-3.7.12.1(3)</td>
<td>no direct connection with operating rooms or other sterile activity rooms</td>
</tr>
<tr>
<td>2.1-3.8.12.1</td>
<td>no direct connection with clean workrooms or clean supply rooms</td>
</tr>
<tr>
<td>2.7-3.7.12.1</td>
<td>soiled workroom (may be combined with decontamination room in Facilities for On-Site Sterile Processing)</td>
</tr>
<tr>
<td>(1)</td>
<td>(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 &amp; soiled linen</td>
</tr>
<tr>
<td>(2)</td>
<td>fluid management system ☐ check if not included in project (a) electrical &amp; plumbing connections that meet manufacturer requirements (b) space for docking station</td>
</tr>
<tr>
<td>2.1-3.8.12.3</td>
<td>soiled holding room</td>
</tr>
<tr>
<td>(1)</td>
<td>handwashing station or hand sanitation dispenser</td>
</tr>
<tr>
<td>(2)</td>
<td>space for separate covered containers for waste &amp; soiled linen</td>
</tr>
<tr>
<td>2.7-3.7.12.2(2)</td>
<td>other provisions for disposal of liquid waste are provided described in Project Narrative</td>
</tr>
<tr>
<td>2.7-3.7.13</td>
<td>Clean equipment &amp; supply storage room(s) provided for clean equipment &amp; supplies used in semi-restricted &amp; restricted areas</td>
</tr>
<tr>
<td>2.7-3.7.13.1</td>
<td>separate from &amp; has no direct connection with soiled workroom or soiled holding room</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Ventilation:</td>
</tr>
<tr>
<td>☐ Min. 10 air changes per hour</td>
</tr>
<tr>
<td>☐ Exhaust</td>
</tr>
<tr>
<td>☐ Negative pressure</td>
</tr>
<tr>
<td>☐ No recirculating room units</td>
</tr>
</tbody>
</table>
### Architectural Requirements

2.7-3.7.13.2  
- **combined floor area of clean equipment & supply storage room(s)** min. 50 sf for each OR up to two OR’s + 25 sf per additional OR

2.7-3.8  
**OTHER SUPPORT AREAS IN OUTPATIENT SURGERY FACILITY**

- 2.7-3.8.13.1  
  - Clean linen storage (may be located in Clean Equipment & Supply Storage Room)

- 2.7-3.8.13.5  
  - Medical gas storage space (including space for reserve cylinders)
  - provided & protected in accordance with NFPA 99

- 2.7-3.8.16  
  - Storage for blood, tissue & pathological specimens
  - check if not included in project

- 2.7-3.8.16.2  
  - equipment temperature controls alarms & monitoring

- 2.7-3.8.16.3(1)  
  - refrigerator for storage of blood & other specimens

- 2.7-3.8.16.3(2)  
  - refrigerator used to store blood for transfusions
  - check if not included in project
  - equipped with temperature-monitoring & alarm signals

### Building Systems Requirements

2.7-3.8.16.3(2)  
- check if not included in project

- 2.7-3.9  
**SUPPORT AREAS FOR STAFF**

- 2.7-3.9.1  
  - Staff lounge
  - check if not included in project (only in facilities with one or two operating rooms)

- 2.7-3.9.4  
  - **Staff changing area**

- 2.7-3.9.4.1  
  - includes private areas for staff working in semi-restricted & restricted areas

- 2.1-3.9.4(1)  
  - lockers

- 2.1-3.9.4(2)  
  - toilets

- 2.1-3.9.5  
  - handwashing stations

- 2.1-3.9.5.2  
  - space for donning surgical attire

- 2.1-3.9.5.1  
  - provision for separate storage for clean & soiled surgical attire

- 2.1-3.9.5.2  
  - staff changing area included in unrestricted areas

- 2.7-3.9.5  
  - Staff shower

- 2.7-3.9.5.2  
  - (may be located in staff changing area)

- 2.7-3.9.5.1  
  - readily accessible* to semi-restricted area & recovery areas

### Ventilation:

- Min. 10 air changes per hour
- Table 8.1
- Exhaust
- Negative pressure
- No recirculating room units
### Architectural Requirements

#### SUPPORT AREAS FOR PATIENTS
- **Patient changing & preparation area**
  - space for patients to change from street clothing into patient gowns & to prepare for surgery
- **Patient care stations**
  - in pre- & post-operative patient care area
- **Separate changing area**
- **Provisions for secure storage of patients’ belongings**
- **Access to toilet without passing through public space**
- **Space for changing or gowning**
- **Secure storage for patient belongings**

#### STERILE PROCESSING
- **Facilities for on-site sterile processing outside semi-restricted area**
  - check if not included in project
  - two-room sterile processing facility provided
  - 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)
- **Room for breakdown (receiving/unpacking) of clean/sterile supplies**
- **Room for on-site storage of clean & sterile supplies**
- **Storage for sterile & clean instruments & supplies**
  - check if not included in project
  - designated equipment & supply storage area in clean workroom
- **Space for case cart storage**
  - check if not included in project
  - provisions to maintain humidity & temperature levels
- **Room with flush-type device for gross decontamination & holding of soiled instruments**
- **Does not have direct connection with clean workrooms or clean supply rooms**

### Building Systems Requirements

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

Table 8.1
Architectural Requirements

(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) ___ fluid management system
   □ check if not included in project
   (a) ___ electrical & plumbing connections that meet manufacturer requirements
   (b) ___ space for docking station

Building Systems Requirements

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

ENVIRONMENTAL SERVICES

2.7-5.3
2.7-5.3.1 ___ Environmental services room
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
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

PUBLIC AREAS

2.7-6.2
2.1-6.2.1 ___ Vehicular drop-off & pedestrian entrance
2.1-6.2.1.1 ___ min. of one building entrance reachable from grade level
2.1-6.2.1.2 ___ building entrances used to reach outpatient services be clearly marked
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)

2.1-6.2.2 ___ Reception
   ___ reception & information counter, desk or kiosk provided either at main entry or at each clinical service

2.1-6.2.3 ___ Waiting area
2.1-6.2.3.2 ___ visible from staff area either by camera or direct staff sight line
2.1-6.2.4 ___ Public toilet room
2.1-6.2.4.2 (may be located off public corridor in multi-tenant building)
2.1-6.2.4.1 ___ readily accessible* from waiting area without passing through patient care or staff work areas

2.1-6.2.5 ___ Provisions for telephone access
2.1-6.2.6 ___ access to make local phone calls
2.1-6.2.7 ___ Provisions for drinking water
### Architectural Requirements

#### 2.1-6.2.7.1 Wheelchair storage
- ☐ check if not included in project
- __ designated area located out of required corridor width
- __ directly accessible to entrance
- __ provided for at least one wheelchair

#### 2.1-6.2.7.2 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

### Administrative Areas

#### 2.1-6.3.2 Interview space
- ☐ check if not included in project (may be combined with consultation room)
- __ separate from public areas

#### 2.1-6.3.3 Office space for business, administrative & professional staffs

#### 2.1-6.3.5 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

#### 2.1-6.3.5.1 Space Requirements:
- (1) __ space provided for medical records management
- (2) __ physical space for electronic storage of forms or documents

#### 2.1-6.3.6 Storage for office equipment & supplies

#### 2.7-6.3.4 Multipurpose or consultation room
- (may be combined with office or interview room)
- __ located in unrestricted area

#### 2.7-6.4 General Support Areas for Staff

#### 2.1-6.4.2 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 & MEP Requirements

#### 2.1-7.2.2 ARCHITECTURAL DETAILS

**CORRIDOR WIDTH:**

- Min. 44”
- Detailed code review incorporated in Project Narrative

**421 CMR 6.00**
- Corridors include turning spaces for wheelchairs
- At least one corridor that connects surgical suite & PACU to exit has min. width of 6'-0” for stretcher transport
- Corridor connecting semi-restricted area & pre- & postoperative patient care area has min. width of 8'-0” for stretcher transport

**2.1-7.2.2.2 CEILING HEIGHT:**

- Min. height 7'-0” in procedure rooms & operating rooms from floor to lowest protruding element of equipment or fixture in stowed position
- 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:**

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

**(b)**
- □ check if not included in project

**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

**(3)(b)**
- Countertops substrate
  - □ check if not included in project
  - marine-grade plywood (or equivalent material) with impervious seal

**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

**2.1-7.2.2.11**
- Rail ends return to wall or floor
- Handrail gripping surfaces & fasteners are smooth with 1/8-inch min. radius
- Handrails have eased edges & corners
- Handrail finishes are cleanable
2.1-7.2.3 **SURFACES**

**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

- operating room
- procedure rooms where cystoscopy, urology & endoscopy procedures are performed
- airborne infection isolation (AII) room & any anteroom

☐ Check if not included in project

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. Semi-Restricted Areas:

☐ Check if not included in project

(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 1 Lbs/sq. ft.

(c) No perforated tegular serrated or highly textured tiles in semi-restricted areas

or ceilings of monolithic construction

3. Restricted Areas:

☐ Check if not included in project

(a) Ceilings of monolithic construction (except for central diffuser array)

(b) Ceiling finishes scrubbable & capable of withstanding cleaning & disinfecting chemicals

(c) Access openings are gasketed

2.1-7.2.4.3 Privacy curtains in patient care areas are washable

2.1-8.2 **HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS**

**UTILITIES:**

Part 3/6.1 ventilation upon loss of electrical power:

- Space ventilation & pressure relationship requirements of 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 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

- Cooling sources & essential accessories sufficient to support facility operation plan upon breakdown or routine maintenance of any one of cooling sources

Part 3/6.2 AIR-HANDLING UNIT (AHU) DESIGN:

Part 3/6.2.1 AHU casing is designed to prevent water intrusion, resist corrosion & permit access for inspection & maintenance
Part 3/6.3 OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:

Part 3/6.3.1 Outdoor Air Intakes:
- 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 3/6.3.1.1
- 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
- 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
- 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 laboratory work area chemical fume hoods discharge with stack velocity of at least 2500 fpm

Part 3/6.4 FILTRATION:
- Two filter banks for operating rooms, ambulatory diagnostic & therapeutic radiology (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
- One filter bank MERV 13 for laboratories
- 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, OR or procedure room

Part 3/6.5.3
- Maintain pressure relationships required in tables 7.1 in all modes of HVAC system operation
- Spaces that have required pressure relationships are served by fully ducted return systems or fully ducted exhaust systems
- Recovery rooms are served by fully ducted return or exhaust systems

Part 3/6.7 AIR DISTRIBUTION SYSTEMS:
- Air Distribution Devices:
  - ☐ supply air outlets comply with Table 6.7.2

Part 3/6.7.2
- ☐ supply air outlets comply with Table 6.7.2

Part 3/6.7.3
- Smoke Barriers:
  - HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers.
Part 3/6.8 ENERGY RECOVERY SYSTEMS:
☐ check if not included in project
Part 3/6.8.1 Located upstream of Filter Bank No. 2
Part 3/6.8.2 AII room exhaust systems are not used for energy recovery
Part 3/6.8.3 Energy recovery systems with leakage potential
☐ check if not included in project
arranged to minimize potential to transfer exhaust air directly back into supply airstream
designed to have no more than 5% of total supply airstream consisting of exhaust air not used from these exhaust airstream sources: waste anesthesia gas disposal, central medical & surgical supply, 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
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
Anteroom
☐ check if not included in project
AII room is at negative pressure with respect to anteroom
Anteroom is at negative pressure with respect to corridor

Part 3/7.4.1 Operating Rooms
☐ check if not included in project
Each OR has individual temperature control
OR 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 OR 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
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
(2) 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

2.1-8.3.6   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:
(2) heated potable water distribution systems serving patient care areas are under constant recirculation
(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:
(1)(a) drainage piping installed above ceiling of or exposed in rooms listed below piping have special provisions to protect space below from leakage & condensation
• operating rooms
• procedure rooms
• sterile processing facilities
• electronic data processing areas
• electrical rooms
(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) Floor Drains:
(a) no floor drains in procedure rooms & operating rooms,
(b) floor drain in dedicated cystoscopy procedure room
☐ check if not included in project
☐ recessed floor sink w/ automatic trap primer
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 direct patient care areas, sterile procedures areas & medication preparation areas
(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
(5) Water discharge point min. 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
      □ Check if not included in project
      □ 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

2.1-8.4.3.4 Ice-Making Equipment:
   □ Copper tubing provided for supply connections to ice-making equipment

2.1-8.4.3.5 Clinical Flushing-Rim Sinks:
(1) Trimmed with valves that can are operated without hands
   (may be single-lever or wrist blade devices)
   (b) Handles are at least 6 in. long
   (2) Integral trap wherein upper portion of water trap provides visible seal

2.1-8.4.3.6 Scrub Sinks:
(1) Freestanding scrub sinks are trimmed with foot, knee or electronic sensor controls
(2) No single-lever wrist blades except for temperature pre-set valve

MEDICAL GAS & VACUUM SYSTEMS

Station outlets provided as indicated in Table 2.1-2

CALL SYSTEMS

Nurse call stations provided as required in Table 2.1-3

EMERGENCY COMMUNICATION SYSTEM

Operating rooms & Phase I post-anesthesia recovery room are equipped with emergency communication system that incorporates push activation of emergency call switch

ELEVATORS

☐ Check if not included in project

Dimensions of Elevators Used for Transport of Outpatients on Gurneys:
   □ Min. interior car dimensions 5'-8" wide by 7'-9" deep

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

Elevator Controls:

□ Elevator call buttons & controls not activated by heat or smoke

□ 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

□ Elevator controls, alarm buttons & telephones are accessible to wheelchair occupants & usable by the blind