COMPLIANCE CHECKLIST

IP22 Hyperbaric Suite

The following checklist is intended to be used in the plan review applications for health care facilities submitted to the Massachusetts Department of Public Health. This checklist summarizes and references the applicable requirements from the Licensure Regulations and the 2018 Edition of the FGI Guidelines for Design and Construction of Hospitals. Applicants must verify compliance of the plans submitted to the Department with all referenced requirements from the Licensure Regulations and FGI Guidelines when completing this Checklist. A separate Checklist must be completed for each nursing unit, hospital or clinic department, or clinical suite.

Other jurisdictions, regulations and codes may have additional requirements which are not included in this checklist, such as:
- State Building Code (780 CMR)
- Accreditation requirements of The Joint Commission
- CDC Guidelines for Preventing the Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797 & Regulations of the Massachusetts Board of Registration in Pharmacy
- Occupational Safety & Health Standards (OSHA)
- Accessibility Guidelines of the Americans with Disabilities Act (ADA)
- Architectural Access Board Regulations (521 CMR)
- Local Authorities having jurisdiction.

Instructions:
1. All requirement lines must be completed according to the following instructions and included in the plan submissions for Self-Certification Process or Abbreviated Review Process.
2. This checklist must be completed by the project architect or engineer based on the design actually reflected in the plans at the time of completion of the checklist.
3. Each requirement line (___) of this Checklist must be completed exclusively with one of the following marks, unless otherwise directed in the checklist. If a functional space is not affected by a renovation project, the mark “E” may be indicated on the requirement line (___) before the name of the functional space (associated requirements on indented lines below that name, or associated MEP requirements do not have to be completed in this case). If more than one functional space serves a given required function (e.g. patient room or exam room), that clarification should be provided in the Project Narrative, and the requirement lines are understood to only address the functional spaces that are involved in the project.

X = Requirement is met, for new space, for renovated space, or for existing direct support space for an expanded service.

E = Requirement relative to an existing suite or area that has been licensed for its designated function, is not affected by the construction project and does not pertain to a required direct support space for the specific service affected by the project. “E” must not be used for an existing required support space associated with a new patient care room or area.

W = Waiver requested for specific section of the Regulations or FGI Guidelines, where hardship in meeting requirement can be demonstrated (a Physical Plant Waiver Form must be completed for each waiver request). An explicit floor plan or plan detail must be attached to each waiver request.

4. All room functions marked with “X” must be shown on the plans with the same name labels as in this checklist.
5. Mechanical, electrical & plumbing requirements are only partially mentioned in this checklist. The relevant section of the FGI Guidelines must be used for project compliance with all MEP requirements and for waiver references.
6. Oxygen, vacuum, medical air, waste anesthesia gas disposal and instrument air outlets (if required) are identified respectively by the abbreviations “OX”, “VAC”, “MA”, “WAGD” & “IA”.
7. Requirements referenced with “FI” result from formal interpretations from the FGI Interpretations Task Group.
8. The location requirements including asterisks (*) refer to the definitions of the Glossary in the beginning section of the FGI Guidelines and reproduced in this checklist.

Facility Name: __________________________

Facility Address: __________________________

Satellite Name: (if applicable) __________________________

Satellite Address: (if applicable) __________________________

Project Description: __________________________

DoN Project Number: (if applicable) __________________________

Building/Floor Location: __________________________

Submission Dates:
- Initial Date: __________________________
- Revision Date: __________________________

MDPH/DHCFLC 02/19 IP22
2.2-3.13 HYPERBARIC SUITE

2.2-3.13.1 HYPERBARIC TREATMENT AREA
(designated for clinical hyperbaric oxygen therapy)

2.2-3.13.1.1(1) Hyperbaric treatment area meets requirements of “Hyperbaric Facilities” chapter in NFPA 99

2.2-3.13.1.2(1) Multiplace (Class “A” Chamber) facilities
☐ check if not included in project

(a) Space provided to house Class “A” chambers & supporting equipment accommodate equipment manufacturer’s technical specifications
☐ manufacturer’s technical specifications have been submitted to DPH Plan Review

(b) Mini. clearance 3’-0” around chamber
Mini. clearance 8’-0” for stretcher or gurney access area in front of chamber
Mini. clearance 5’-0” for wheelchair access area in front of chamber entries

(c) Entries designed for wheelchairs or gurneys provided with access ramps that are flush with chamber entry doorway
Mini. 3’-0” wide chamber entries not designed for gurney/stretcher access

2.2-3.13.1.2(2) Monoplace (Class “B” Chamber) facilities

(a) Space provided to house Class “B” chambers & supporting equipment accommodate equipment manufacturer’s technical specifications
☐ manufacturer’s technical specifications have been submitted to DPH Plan Review

(b) Mini. clearance 2’-0” around chamber
Mini. clearance 3’-0” between control sides of two chambers
☐ check if not included in project (only if one chamber provided)
Mini. passage 12” at foot end of each chamber & any wall or obstruction
Mini. clearance 8’-0” in front of chamber entry designed for gurney or stretcher access

(c) Oxygen service valve provided for each chamber
Architectural Requirements

2.2-3.13.4 PRE-PROCEDURE PATIENT CARE AREA
☐ check if not included in project (only if facility has two or fewer Class “B” hyperbaric chambers)

2.2-3.13.4.1(1) Patient holding area
☐ under staff control
☐ out of traffic flow from chamber
☐ does not obstruct access to exits from hyperbaric suite

2.2-3.13.4.1(2) Gurney patients in holding area be out of direct line of normal traffic

2.2-3.13.4.2 Space Requirements:
☐ patient holding area sized to accommodate inpatients on gurneys or beds

2.2-3.13.8 SUPPORT AREAS FOR HYPERBARIC SUITE
2.2-3.13.8.1(2) (may be shared with wound care department)
2.2-3.13.8.2 Reception/control desk

2.2-3.13.8.4 Consultation/treatment room
2.1-3.2.2.1 Space Requirements:
(1) min. clear floor area 120 sf
☐ min. clear dimension 10'-0"

(2)(a) room size permits room arrangement w/ min. clearance 3'-0" at each side & at foot of exam table
☐ room arrangement (layout #1) shown in the plans

(2)(b) exam table, recliner or chair is placed at angle closer to one wall than another or against wall to accommodate type of patient being served
☐ check if not included in project
☐ room arrangement (layout #2) shown in the plans

2.1-3.2.2.2
(2) storage for supplies
(3) accommodations for written or electronic documentation
(4) space for visitor’s chair
(5) handwashing station

2.2-3.12.8.2 Nurse station
(1) located in treatment area
designed to provide visual observation of all patient care stations

(2) located out of direct line of traffic
2.1-2.8.2.1(1) space for counters

Building Systems Requirements

Medical Gases:
☐ 2 OX, 2 VAC Table 2.1-3

Ventilation:
☐ Min. 6 air changes per hour Table 7.1

Lighting:
☐ Portable or fixed exam light 2.1-8.3.4.3(3)

Power:
☐ Min. 8 receptacles in total Table 2.1-1
☐ Min. 4 receptacles convenient to head of gurney or bed

Nurse Call System:
☐ Staff assistance station Table 2.1-2
☐ Emergency call station

MDPH/DHCFLC 02/19 IP22
### Architectural Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.8.2.1(2)</td>
<td>Handwashing station next to or directly accessible*</td>
</tr>
<tr>
<td>or</td>
<td>Hand sanitation dispenser next to or directly accessible*</td>
</tr>
</tbody>
</table>

**Medication Safety Zone:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.8.8.2(1)</td>
<td>Medication preparation room</td>
</tr>
<tr>
<td>(a)</td>
<td>Under visual control of nursing staff</td>
</tr>
<tr>
<td>(b)</td>
<td>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></td>
<td>Check if not included in project</td>
</tr>
<tr>
<td>(c)</td>
<td>Self-contained medication-dispensing unit</td>
</tr>
<tr>
<td></td>
<td>Check if not included in project</td>
</tr>
<tr>
<td></td>
<td>Room designed with space to prepare medications</td>
</tr>
</tbody>
</table>

**Nourishment Area or Room:**

<table>
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<tr>
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<tbody>
<tr>
<td>2.1-2.8.9.2(1)</td>
<td>Handwashing station</td>
</tr>
<tr>
<td>2.1-2.8.9.2(2)</td>
<td>Work counter</td>
</tr>
<tr>
<td>2.1-2.8.9.2(3)</td>
<td>Refrigerator</td>
</tr>
<tr>
<td>2.1-2.8.9.2(4)</td>
<td>Microwave</td>
</tr>
<tr>
<td>2.1-2.8.9.2(5)</td>
<td>Storage cabinets</td>
</tr>
<tr>
<td>2.1-2.8.9.2(6)</td>
<td>Space for temporary storage of food service implements</td>
</tr>
<tr>
<td>2.1-2.8.9.3</td>
<td>Provisions &amp; space are included for separate temporary storage of unused &amp; soiled meal trays</td>
</tr>
<tr>
<td>2.2-3.12.8.9(2)</td>
<td>Provisions for drinking water for patient use provided separate from handwashing station</td>
</tr>
</tbody>
</table>

**Clean Workroom or Clean Supply Room:**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
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<tbody>
<tr>
<td>2.1-2.8.11.2</td>
<td>Clean workroom</td>
</tr>
<tr>
<td></td>
<td>Used for preparing patient care items</td>
</tr>
<tr>
<td></td>
<td>Work counter</td>
</tr>
<tr>
<td></td>
<td>Handwashing station</td>
</tr>
<tr>
<td></td>
<td>Storage facilities for clean &amp; sterile supplies</td>
</tr>
<tr>
<td>or</td>
<td>Clean supply room</td>
</tr>
<tr>
<td></td>
<td>Used only for storage &amp; holding as part of system for distribution of clean &amp; sterile supplies</td>
</tr>
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### Building Systems Requirements

**Ventilation:**

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<tr>
<td>2.1-2.8.11.2</td>
<td>Min. 4 air changes per hour</td>
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<tr>
<td>2.1-2.8.8.1(2)(d)</td>
<td>Task lighting</td>
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**Nurse Call System:**

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<td>2.1-2.8.8.1(2)(d)</td>
<td>Duty station (light/sound signal)</td>
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**Provisions for Drinking Water for Patient Use Provided Separate from Handwashing Station:**

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<td>2.1-2.8.9.2(6)</td>
<td>Min. 2 air changes per hour</td>
</tr>
<tr>
<td>2.1-8.5.1.2(3)(b)</td>
<td>Task lighting</td>
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**Provisions for Drinking Water for Patient Use Provided Separate from Handwashing Station:**

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<td>2.1-2.8.11.2</td>
<td>Min. 4 air changes per hour</td>
</tr>
<tr>
<td></td>
<td>Positive pressure</td>
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<tr>
<td>Nurse Call System</td>
<td>Duty station (light/sound signal)</td>
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**Clean Workroom or Clean Supply Room:**

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Architectural Requirements

2.2-3.12.8.12
2.1-2.8.12.2
(1)(a) Soiled workroom or soiled holding room
     ____ soiled workroom
     ____ handwashing station
(1)(b) flushing-rim clinical service sink
     ____ with bedpan-rinsing device or equivalent flushing-rim fixture
     ____ work counter
(1)(c) space for separate covered containers for waste & soiled linen
(1)(d) work counter
(2) fluid management system is used
     ____ check if not included in project
     ____ electrical & plumbing connections that meet manufacturer requirements
     ____ space for docking station
or
2.1-2.8.12.3
(1) soiled holding room
     ____ handwashing station or hand sanitation station
(2) space for separate covered containers for waste & soiled linen
2.2-3.12.8.13(1)
(1) Clean linen storage
     ____ stored in clean workroom
     ____ covered cart distribution system
(2) storage of clean linen carts in designated corridor alcoves, clean workroom or closets
or
2.2-3.13.8.13(1)
(1) separate supply storage room
     ____ may be shared with another department
2.2-3.12.8.13(3)
(1) Gurney/wheelchair storage space
2.2-3.13.8.13(4)
(1) Gas cylinder room provided for Class "A" facilities
     ____ check if not included in project (only if bariatric chambers are restricted to Class "B")
     ____ space to house eight (H) cylinders
     ____ space to house two gas manifolds consisting of at least two (H) cylinders on each manifold
2.2-3.13.8.14
(1) Environmental services room
     ____ immediately accessible* to hyperbaric suite
2.1-2.8.14.2(1)
(1) service sink or floor-mounted mop sink
2.1-2.8.14.2(2)
(2) provisions for storage of supplies & housekeeping equipment

Building Systems Requirements

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

Nurse Call System:
____ Duty station (light/sound signal)  Table 2.1-2

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

Nurse Call System:
____ Duty station (light/sound signal)  Table 2.1-2

Ventilation:
____ Min. 2 air changes per hour  Table 7.1
____ Positive pressure

Ventilation:
____ Min. 10 air changes per hour  Table 7.1
____ Exhaust
____ Negative pressure
____ No recirculating room units
Architectural Requirements

2.1-2.8.14.2(3)  ___ handwashing station
or
___ hand sanitation station

2.2-3.13.8.16  ___ Compressor room
(1)  ____ large enough to house chamber
compressors, accumulator tanks & fire
suppression system

2.2-3.13.9  **SUPPORT AREAS FOR STAFF**
___ Staff toilet room
   ____ handwashing station
   ____ immediately accessible* to hyperbaric suite

2.2-3.13.10  **SUPPORT AREAS FOR PATIENTS**
2.2-3.13.10.1  ___ Patient waiting area
(4)  □ check if not included in project (only in
facilities with two or fewer Class “B”
hyperbaric chambers)
(1)  ____ screened from unrelated traffic
     ____ under staff control
     ____ separated from hyperbaric suite by door

(3)  Hyperbaric Suite Routinely Used for
      Inpatients:
      □ check if not included in project
      ____ outpatient waiting & inpatient holding
      areas separated & screened to provide
      visual & acoustic privacy between
      outpatients and inpatients

2.2-3.13.10.2  ___ Patient toilet room
   ____ handwashing station
   ____ directly accessible* to hyperbaric suite

2.2-3.13.10.3  ___ Patient changing rooms
(1)(a)  ____ seat or bench made of non-absorbable
         material
(1)(b)  ____ mirror
(1)(c)  ____ provisions for hanging patients clothing
        ____ provisions for securing valuables
(2)  ____ at least one changing room
     ____ accommodates wheelchair patients

Building Systems Requirements

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

*LOCATION TERMINOLOGY:
Directly accessible: Connected to the identified area or room through a doorway, pass-through, or other opening
without going through an intervening room or public space
Adjacent: Located next to but not necessarily connected to the identified area or room
Immediately accessible: Available either in or adjacent to the identified area or room
Readily accessible: Available on the same floor or in the same clinic as the identified area or room
### Architectural Details & MEP Requirements

#### 2.1-7.2.2 ARCHITECTURAL DETAILS

**CORRIDOR WIDTH:**

2.1-7.2.2.1

- Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width
- Detailed code review incorporated in Project Narrative

2.1-7.2.2.2

- Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width
- Detailed code review incorporated in Project Narrative

**CEILING HEIGHT:**

2.1-7.2.2.2

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

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

**DOORS & DOOR HARDWARE:**

2.1-7.2.2.3

1. Doors between corridors, rooms, or spaces subject to occupancy

(a) swing type or sliding doors

(b) sliding doors

☐ check if not included in project

☐ detailed code review included in Project Narrative

☐ no floor tracks

2. Door Opening:

(a) min. 45.5" clear door width for diagnostic/treatment areas

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

☐ check if not included in project

☐ min. clear width 34.5"

3. Door Swing:

(a) doors do not swing into corridors except doors to non-occupiable spaces & doors with emergency breakaway hardware

4. Lever hardware or push/pull latch hardware

5. Doors for Patient Toilet Facilities:

(a) two separate doors

or

(b) door that swings outward

or

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

or

(d) sliding door other than pocket door

6. Glazing materials:

- Glazing within 1 foot 6 inches of floor

☐ check if not included in project

- Must be safety glass, wire glass, or plastic break-resistant material

7. Handwashing Stations:

- Handwashing stations in patient care areas located so they are visible & unobstructed

(a) Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly

(b) Countertops substrate

☐ check if not included in project

☐ marine-grade plywood (or equivalent material) with impervious seal

4. Handwashing station casework

☐ check if not included in project

☐ designed to prevent storage beneath sink

5. Provisions for drying hands

☐ check if not included in project

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

(b) hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing

6. Liquid or foam soap dispensers
2.1-7.2.2.9 **GRAB BARS:**
(1) __ Grab bars anchored to sustain concentrated load 250 pounds
(3) __ Ends of grab bars constructed to prevent snagging clothes of patients, staff & visitors

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

2.1-7.2.12 **NOISE CONTROL:**
(2) __ Noise reduction criteria in Table 1.2-6 applicable to partitions, floors & ceiling construction are met in patient areas

2.1-7.2.3 **SURFACES**

2.1-7.2.3.1 **FLOORING & WALL BASES:**
(1) __ Flooring surfaces cleanable & wear-resistant for location
(3) __ Smooth transitions provided between different flooring materials
(4) __ Flooring surfaces including those on stairways are stable, firm & slip-resistant
(5) __ Floors & wall bases of soiled workrooms, toilet rooms & other areas subject to frequent wet cleaning are constructed of materials that are not physically affected by germicidal or other types of cleaning solutions

2.1-7.2.3.2 **WALLS & WALL PROTECTION:**
(1)(a) __ Wall finishes are washable
(1)(b) __ Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
(2) __ Wall surfaces in areas routinely subjected to wet spray or splatter are monolithic or have sealed seams that are tight & smooth
(5) __ Wall protection devices & corner guards durable & scrubbable

2.1-7.2.3.3 **CEILINGS:**
(1) __ Ceilings provided in all areas except mechanical, electrical & communications equipment rooms
(a) __ Ceilings cleanable with routine housekeeping equipment
(b) __ Acoustic & lay-in ceilings where used do not create ledges or crevices

2.1-7.2.4 **FURNISHINGS:**

2.1-7.2.4.1 __ Built-in furnishings upholstered with impervious materials in patient treatment areas with risks of exposure & contamination from bodily fluids & other fluids

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:**

2.1-8.2.1 **HEATING & COOLING SOURCES:**
Part 3/6.1.2 __ Heating & Cooling Sources:
Part 3/6.1.2.1 __ heat sources & essential accessories provided in number & arrangement sufficient to accommodate facility needs (reserve capacity) even when any one of heat sources or essential accessories is not operating due to breakdown or routine maintenance

Part 3/6.2 **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:
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

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 3/6.4 FILTRATION:
☐ Two filter banks for inpatient care
see Table 6.4
☐ Filter Bank No. 1: MERV 7
☐ Filter Bank No. 2: MERV 14
☐ Each filter bank with efficiency of
greater than MERV 12 is provided
with differential pressure measuring
device to indicate when filter needs
to be changed

Part 3/6.4.1       Filter Bank No. 1 is placed upstream
of heating & cooling coils

Part 3/6.4.2       Filter Bank No. 2 is placed
downstream of all wet-air cooling
coils & supply fan

Part 3/6.7 AIR DISTRIBUTION SYSTEMS:
Part 3/6.7.1       ☐ Maintain pressure relationships
required in tables 7.1 in all modes of
HVAC system operation
☐ Spaces that have required pressure
relationships are served by fully
ducted return systems or fully
ducted exhaust systems
☐ Inpatient facilities & recovery rooms
are served by fully ducted return or
exhaust systems

Part 3/6.7.2       Air Distribution Devices:
☐ supply air outlets comply with
Table 6.7.2

Part 3/6.7.3       Smoke Barriers:
☐ HVAC zones coordinated with
compartmentation to minimize
ductwork penetrations of fire &
smoke barriers.

Part 3/6.8 ENERGY RECOVERY SYSTEMS:
☐ check if not included in project

Part 3/6.8.1       ☐ Located upstream of Filter Bank No. 2

Part 3/6.8.3       ☐ Energy recovery systems with
leakage potential
☐ check if not included in project
☐ arranged to minimize potential
to transfer exhaust air directly
back into supply airstream
☐ designed to have no more than
5% of total supply airstream
consisting of exhaust air

Part 3/7 SPACE VENTILATION

Part 3/7.1a       ☐ Spaces ventilated according to
Table 7.1

Part 3/7.1a.1       ☐ Air movement is from clean to less-
clean areas

Part 3/7.1a.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 3/7.1a.4       ☐ Entire minimum outdoor air changes
per hour required by Table 7.1 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 7.1
☐ room unit receive filtered &
conditioned outdoor air
☐ serve only a single space
☐ provides min. MERV 6 filter
located upstream of any cold
surface so that all of air passing
over cold surface is filtered

2.1-8.3 ELECTRICAL SYSTEMS

2.1-8.3.2 ELECTRICAL DISTRIBUTION &
TRANSMISSION

2.1-8.3.2.2 Panelboards:
(1) ☐ panelboards serving life safety
branch circuits serve floors on
which they are located & floors
immediately above & below

(2) ☐ panelboard critical branch
circuits serve floors on which
they are located

(3) ☐ panelboards not located in exit
enclosures or exit passageways

2.1-8.3.3 Ground-Fault Circuit Interrupters in
Critical Care Areas:
☐ check if not included in project
(2) ☐ each receptacle individually
protected by single GFCI device

2.1-8.3.3.3 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 that depend on building electrical service for operation are connected to essential electrical system ☐ check if not included in project
2.1-8.3.5.2 Electronic health record system servers & centralized storage provided with uninterruptible power supply

2.1-8.3.6 ELECTRICAL RECEPTACLES
2.1-8.3.6.1 Receptacles In Corridors:
(1) duplex-grounded receptacles for general use installed 50'-0" apart or less in all corridors ☐
duplex-grounded receptacles for general use installed within 25'-0" of corridor ends

2.1-8.3.6.3 Essential Electrical System Receptacles:
(1) cover plates for electrical receptacles supplied from essential electrical system are distinctively colored or marked for identification
(2) same color is used throughout facility

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 non-recirculated fixture branch piping length max. 25'-0"
(3)(a) no installation of dead-end piping (except for empty risers mains & branches for future use) ☐
(3)(c) any existing dead-end piping is removed ☐
(3)(b) ☐ check if not included in project
(4)(a) water-heating system supplies water at temperatures & amounts indicated in Table 2.1-4

2.1-8.4.2.6 Drainage Systems:
(1)(a) drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets ☐
(1)(b) drip pan for drainage piping above ceiling of sensitive area ☐
(3)(a) special provisions to protect space below from leakage & condensation ☐
(1)(c) overflow drain with outlet located in normally occupied 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, sterile procedures are performed & 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
(4) at least 4 inches in length
(5) provide clearance required for operation
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

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

Clinical Flushing-Rim Sinks:
☐ check if not included in project
(1)
(trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices)
(a)
(b)
handles are at least 6 in. long
(2)
integral trap wherein upper portion of water trap provides visible seal

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

CALL SYSTEMS
Nurse call stations provided as required in Table 2.1-2
Nurse call systems report to attended location with electronically supervised visual & audible announcement as indicated in Table 2.1-2
Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment"
Wireless nurse call system
☐ check if not included in project
complies with UL 1069
Nurse call system provided in each patient care area as required in Table 2.1-2

Bath Stations:
bath station that can be activated by patient lying on floor provided at each patient toilet
(1)
alarm in these areas can be turned off only at bath station where it was initiated
(3)
toilet bath stations located on the side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor

Emergency call stations are equipped with continuous audible or visual confirmation to person who initiated the code call

ELECTRONIC SURVEILLANCE SYSTEMS
☐ check if not included in project
monitoring devices are located so they are not readily observable by general public or patients
Electronic surveillance systems receive power from essential electrical system