

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:

- NFPA 101 Life Safety Code (2012) and applicable related standards contained in the appendices of the Code
- 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.

☒ = Check box under section titles or individual requirements lines for optional services or functions that are not included in the project area.

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)

Building/Floor Location:

Satellite Address: (if applicable)

Submission Dates:

Project Description:

Initial Date:

Revision Date:

Architectural Requirements**Building Systems Requirements**

2.2-3.13

HYPERBARIC SUITE

2.2-3.13.1

HYPERBARIC TREATMENT AREA

2.2-3.13.1.1(1) (designated for clinical hyperbaric oxygen therapy)

2.2-3.13.1.1(2) ☐ Hyperbaric treatment area meets requirements of "Hyperbaric Facilities" chapter in NFPA 992.2-3.13.1.2(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) ☐ min. clearance 3'-0" around chamber☐ min. clearance 8'-0" for stretcher or gurney access area in front of chamber☐ min. 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☐ min. 3'-0" wide chamber entries not designed for gurney/stretcher access2.2-3.13.1.2(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) ☐ min. clearance 2'-0" around chamber☐ min. clearance 3'-0" between control sides of two chambers☐ check if not included in project (only if one chamber provided)☐ min. passage 12" at foot end of each chamber & any wall or obstruction☐ min. clearance 8'-0" in front of chamber entry designed for gurney or stretcher access(c) ☐ oxygen service valve provided for each chamber

Architectural Requirements**Building Systems Requirements**

- 2.2-3.13.4 **PRE-PROCEDURE PATIENT CARE AREA**
 2.2-3.13.4.1(3) ☐ check if not included in project (only if facility has two or fewer Class "B" hyperbaric chambers)

- 2.2-3.13.4.1
 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
 ☐ located in treatment area
 (1) ☐ 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

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
☐ Min. 4 receptacles convenient to head of gurney or bed

Table 2.1-1

Nurse Call System:
☐ Staff assistance station
☐ Emergency call station

Table 2.1-2

Architectural Requirements

- 2.1-2.8.2.1(2) ☐ handwashing station next to or directly accessible*
or
☐ hand sanitation dispenser next to or directly accessible*

- 2.2-3.12.8.8 Medication Safety Zone:
 2.1-2.8.8.2(1) ☐ medication preparation room
 (a) ☐ under visual control of nursing staff
 (b) ☐ work counter
☐ handwashing station
☐ lockable refrigerator
☐ locked storage for controlled drugs
☐ sharps containers
☐ check if not included in project
 (c) ☐ self-contained medication-dispensing unit
☐ check if not included in project
☐ room designed with space to prepare medications

- 2.2-3.12.8.9 ☐ Nourishment area or room
 2.1-2.8.9.2(1) ☐ handwashing station
 2.1-2.8.9.2(2) ☐ work counter
 2.1-2.8.9.2(3) ☐ refrigerator
 2.1-2.8.9.2(4) ☐ microwave
 2.1-2.8.9.2(5) ☐ storage cabinets
 2.1-2.8.9.2(6) ☐ space for temporary storage of food service implements
 2.1-2.8.9.3 ☐ provisions & space are included for separate temporary storage of unused & soiled meal trays
 2.2-3.12.8.9(2) ☐ provisions for drinking water for patient use provided separate from handwashing station

- 2.2-3.12.8.11 ☐ Clean workroom or clean supply room
 2.1-2.8.11.2 ☐ clean workroom
☐ used for preparing patient care items
 (1) ☐ work counter
 (2) ☐ handwashing station
 (3) ☐ storage facilities for clean & sterile supplies
or
 2.1-2.8.11.3 ☐ clean supply room
☐ used only for storage & holding as part of system for distribution of clean & sterile supplies

Building Systems Requirements

- Ventilation:
☐ Min. 4 air changes per hour Table 7.1
 Lighting:
☐ Task lighting 2.1-2.8.8.1(2)(d)
 Nurse Call System:
☐ Duty station (light/sound signal) Table 2.1-2
 Ventilation:
☐ Min. 2 air changes per hour Table 7.1
 Nurse Call System:
☐ Duty station (light/sound signal) 2.1-8.5.1.2(3)(b)
 Ventilation:
☐ Min. 4 air changes per hour Table 7.1
☐ Positive pressure
 Nurse Call System:
☐ Duty station (light/sound signal) Table 2.1-2
 Ventilation:
☐ Min. 4 air changes per hour Table 7.1
☐ Positive pressure

Architectural Requirements

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

Ventilation:

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

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

Ventilation:

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

- 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

***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**

2.1-7.2.2.1
NFPA 101,
18.2.3.4

CORRIDOR WIDTH:

___ Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width

or

___ Detailed code review incorporated in Project Narrative

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

or

___ Detailed code review incorporated in Project Narrative

2.1-7.2.2.2
(1)

CEILING HEIGHT:

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

(3)

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

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

2.1-7.2.2.3 **DOORS & DOOR HARDWARE:**

(1)

(a)

___ Door Type:

___ 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 included in Project Narrative

___ no floor tracks

(2)

(a)

___ Door Opening:

___ min. 45.5" clear door width for diagnostic/treatment areas

___ min. 83.5" clear door height 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)

(a)

___ Door Swing:

___ 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)

(a)

Doors for Patient Toilet Facilities:

___ two separate doors

or

___ door that swings outward

or

___ 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

2.1-7.2.2.7 **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

2.1-7.2.2.8 **HANDWASHING STATIONS:**

(1)(c)

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

(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

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

(b)

(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
- 2.1-7.2.2.12 **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:**
- Part 3/6.1 Heating & Cooling Sources:
- Part 3/6.1.2 ☐ heat sources & essential accessories provided in number & arrangement sufficient to accommodate facility needs (reserve capacity) even when any one of heat sources or essential accessories is not operating due to breakdown or routine maintenance
- Part 3/6.1.2.1 Central cooling systems greater than 400 tons (1407 kW) peak cooling load
- ☐ check if not included in project
- ☐ number & arrangement of cooling sources & essential accessories is sufficient to support 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:
- 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

- ☐ not used from these exhaust airstream sources: soiled holding room

Part 3/7 **SPACE VENTILATION**

- Part 3/7.1.a ☐ Spaces ventilated according to Table 7.1
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 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
2.1-8.3.2.3 **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 that depends 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
☐ check if not included in project
- (3)(b) ☐ any existing dead-end piping is removed
☐ 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

(1)(a)

(1)(b)

2.1-8.4.3

2.1-8.4.3.1(1)

2.1-8.4.3.2

(1)

(2)

(3)

(5)

(7)

(8)

(a)

Drainage Systems:

- ☐ drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets
☐ check if not included in project
- ☐ special provisions to protect space below from leakage & condensation
- ☐ 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

PLUMBING FIXTURES

- ☐ Materials used for plumbing fixtures are non-absorptive & acid-resistant

Handwashing Station Sinks:

- ☐ 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
- ☐ sink basins have nominal size of no less than 144 square inches
- ☐ sink basins have min. dimension 9 inches in width or length
- ☐ sink basins are made of porcelain, stainless steel or solid-surface materials
- ☐ water discharge point of faucets is at least 10" above bottom of basin
- ☐ anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied
- ☐ sinks used by staff, patients, & public have fittings that can be operated without using hands (may be single-lever or wrist blade devices)
- ☐ blade handles
☐ check if not included in project
- ☐ at least 4 inches in length
- ☐ provide clearance required for operation

(b)	____ sensor-regulated water fixtures <input type="checkbox"/> check if <u>not</u> 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	2.1-8.5.1.3	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
2.1-8.4.3.4	Ice-Making Equipment: ____ copper tubing provided for supply connections to ice-making equipment	2.1-8.5.1.5	____ Emergency call stations are equipped with continuous audible or visual confirmation to person who initiated the code call
2.1-8.4.3.5	Clinical Flushing-Rim Sinks: <input type="checkbox"/> check if <u>not</u> included in project (1) ____ trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices) (a) ____ handles are at least 6 in. long (b) ____ integral trap wherein upper portion of water trap provides visible seal (2)	2.1-8.6.2	ELECTRONIC SURVEILLANCE SYSTEMS <input type="checkbox"/> check if <u>not</u> included in project 2.1-8.6.2.2 ____ monitoring devices are located so they are not readily observable by general public or patients 2.1-8.6.2.3 ____ electronic surveillance systems receive power from essential electrical system
2.1-8.4.4	MEDICAL GAS & VACUUM SYSTEMS ____ Station outlets provided as indicated in Table 2.1-3		
2.1-8.5.1	CALL SYSTEMS		
2.1-8.5.1.1	(1) ____ Nurse call stations provided as required in Table 2.1-2 (2) ____ Nurse call systems report to attended location with electronically supervised visual & audible annunciation as indicated in Table 2.1-2 (4) ____ Call system complies with UL 1069 "Standard for Hospital Signaling & Nurse Call Equipment" (5) ____ Wireless nurse call system <input type="checkbox"/> check if <u>not</u> included in project ____ complies with UL 1069		
2.1-8.5.1.2(4)	____ Nurse call system provided in each patient care area as required in Table 2.1-2		