

COMPLIANCE CHECKLIST

OP10: Endoscopy 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 2014 Edition of the FGI Guidelines for Design and Construction of Hospitals and Outpatient Facilities. Applicants must verify compliance of the plans submitted to the Department with all referenced requirements from the Licensure Regulations and FGI Guidelines when completing this Checklist. A separate Checklist must be completed for each 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 (2000) and applicable related standards contained in the appendices of the Code
- State Building Code (780 CMR)
- Joint Commission on the Accreditation of Health Care Organizations
- CDC Guidelines for Preventing the Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797
- 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 Part II of the 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 symbols, unless otherwise directed in the checklist. If a functional space is not affected by a renovation project, the symbol "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.

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).

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

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

3.9 **ENDOSCOPY FACILITIES**

3.1-1.2.2 **PATIENT PRIVACY**

___ Each facility design ensures appropriate levels of patient acoustic & visual privacy & dignity throughout care process

3.1-1.2.3 **SHARED/PURCHASED SERVICES**

check if not included in project
 ___ Details of shared or purchased space and/or services indicated in Project Narrative
 ___ Waiver requests have been submitted for shared or purchased space (except as explicitly allowed below)

3.1-1.3.2 **PARKING**

1.3-3.3.1.1 ___ Parking capacity sufficient to satisfy needs of patients, personnel & public

3.1-1.3.3 **ENTRANCE**

___ At grade level
 ___ Clearly marked
 ___ Located so patients need not go through other activity areas (public lobbies may be shared)

ACCESS

140.209 ___ Facility is accessible to handicapped individuals

3.1-1.4 **FACILITY LAYOUT**

___ Precludes unrelated traffic in facility
 ___ Endoscopy procedure suite divided into minimum of 3 major functional areas:

- (1) ___ procedure room
- (2) ___ instrument processing room
- (3) ___ patient holding/preparation & recovery room or area

3.9-1.3.4.2 ___ Endoscopy procedure suite designed to facilitate movement of patients & personnel into, through & out of defined areas in suite

3.9-3 **DIAGNOSTIC & TREATMENT AREAS**

3.9-3.1 ___ Examination/consultation room

3.1-3.2.1 ___ provision made to preserve patient privacy from observation from outside exam room through open door

3.1-3.2.2.2 Space Requirements:

(1) ___ min. clear floor area 80 sf

(2)

Ventilation:

___ Min. 6 air changes per hour

Architectural Requirements

Building Systems Requirements

- (a) min. clearance 2'-8" at each side & at foot of exam table, recliner, or chair
- exam table, recliner, or chair shown with clearance zone
- or**
- (b) room arranged with exam table, recliner, or chair placed at an angle, closer to one wall than another, or against wall
 - Project Narrative explains why this room arrangement is proposed to accommodate type of patient served
 - alternate location shown for exam table, recliner, or chair
 - clearance zone with min. clearance 2'-8" at each side & at foot of alternate location

- Power:
- Min. 8 receptacles
 - Min. 4 receptacles convenient to head of exam table

- 3.1-3.2.2.3 handwashing station
- 3.1-3.2.2.4 documentation area for written or electronic documentation

- 3.9-3.2.2 Endoscopy procedure room
- 3.9-3.2.2.2 Space Requirements:
 - (1) min. clear floor area 200 sf
 - (2) min. clearance 3'-6" at each side, head & foot of stretcher/table
- 3.9-3.2.2.4 provisions made for patient privacy
- 3.9-3.2.2.5 handwashing station

- Ventilation:
- Min. 6 air changes per hour Table 7.1
 - No recirculating room units
- Power:
- 8 receptacles Table 3.1-1
- Nurse Call System:
- Emergency staff assistance station Table 3.1-2
- Medical Gases:
- 1 OX, 3 VAC Table 3.1-3

- 3.9-3.2.2.6 Patient toilet room
 - separate from public use toilet
 - directly accessible from procedure room
 - directly accessible from pre-procedure & recovery patient care areas

- Ventilation:
- Min. 10 air changes per hour Table 7.1

- 3.9-3.3.2 Pre-procedure patient care area
- 3.9-3.3.2.1 (1) accommodates stretcher patients and/or seating for patients
- (2) under observation of nursing staff
- (3) at least one pre-procedure patient care station per procedure room
- 3.9-3.3.2.2 Space Requirements:
 - patient bays*
 - check if not included in project
 - min. clear floor area 60 sf
 - min. 5'-0" between sides of patient beds/stretchers

Architectural Requirements

Building Systems Requirements

- ___ min. 4'-0" between sides of patient beds/stretchers & adjacent walls or partitions
- ___ min. 3'-0" between foot of beds/stretchers & cubicle curtain
- ___ patient cubicles*
 - check if not included in project
 - ___ min. clear floor area 80 sf
 - ___ min. clearance 3'-0" between sides & foot of lounge chairs/stretchers & adjacent walls or partitions
- ___ single-bed rooms
 - check if not included in project
 - ___ min. clear floor area 100 sf
 - ___ min. clearance 3'-0" between sides & foot of lounge chairs/stretchers & adjacent walls or partitions

3.9-3.3.2.4 ___ Provisions made for patient privacy

3.9-3.3.2.5 Handwashing Stations:

3.1-3.6.5.1 ___ located in each room where hands-on patient care is provided

3.1-3.6.5.3 Handwashing Stations Serving Multiple Patient Care Stations:

- check if not included in project
- (1) ___ min. 1 handwashing station for every 4 patient care stations or fewer & for each major fraction thereof
- (2) ___ evenly distributed & provide uniform distance from 2 patient care stations farthest from handw. station

3.9-3.2.2.6 ___ Patient toilet room
 ___ separate from public use toilet
 ___ directly accessible from pre-procedure patient care areas

Ventilation:
 ___ Min. 10 air changes per hour Table 7.1

3.9-3.3.3 ___ Post-procedure recovery area
 3.9-3.3.3.1 ___ at least one patient care station per procedure room for recovery

3.9-3.3.3.2 Space Requirements:
 (1) ___ min. clear floor area 80 sf for each bay or cubicle
 (2) ___ min. clearance 5'-0" between patient stretchers or beds
 (a) ___ min. clearance 4'-0" between stretchers or beds & adjacent walls or other fixed elements at stretcher/bed sides & foot

Medical Gases:
 ___ 1 OX, 1 VAC (portable equipment immediately accessible*) Table 3.1-3

Architectural Requirements

Building Systems Requirements

- (c) min. clearance 3'-0" from foot of stretcher or bed to closed privacy curtain
- 3.9-3.3.3.4 provisions made for patient privacy
- 3.9-3.3.3.5 Handwashing Stations:
- 3.1-3.6.5.1 located in each room where hands-on patient care is provided
- 3.1-3.6.5.3 Handwashing Stations Serving Multiple Patient Care Stations:
 - check if not included in project
- (1) min. 1 handwashing station for every 4 patient care stations or fewer & for each major fraction thereof
- (2) evenly distributed & provide uniform distance from two patient care stations farthest from handwashing station

- 3.9-3.2.2.6 Patient toilet room
 - separate from public use toilet
 - directly accessible from recovery patient care areas

Ventilation:
 Min. 10 air changes per hour Table 7.1

3.9-3.6 SUPPORT AREAS FOR ENDOSCOPY PROCEDURE SUITE

- 3.9-3.6.1 Nurse or control station
 - located to permit visual observation of all traffic entering diagnostic & treatment areas
- 3.9-3.6.2 Documentation area
 - accommodations for written or electronic documentation in procedure room & in pre-procedure & recovery patient care areas
- 3.9-3.6.6 Medication safety zone
- 3.1-3.6.6.1(2) medication preparation room/area
or
 self-contained medication dispensing unit

- (a) located out of circulation paths to minimize distraction & interruption
- (c) work counters
- (d) task lighting

- 3.1-3.6.6.2 (1) medication preparation room/area
 - check if not included in project
- (a) work counter
- handwashing station
- lockable refrigerator
- locked storage for controlled drugs

Ventilation:
 Min. 4 air changes per hour Table 7.1

Architectural Requirements

Building Systems Requirements

- (b) Sharps Containers:
 - check if not included in project
 - ___ placed at height that allows users to see top of container
- (c) ___ space to prepare medicines in addition to any self-contained medicine-dispensing unit
- (2) ___ self-contained medication dispensing units
 - check if not included in project
- (a) ___ located at nurse station, in clean workroom or in an alcove
- ___ lockable unit to secure controlled drugs
- (b) ___ handwashing station or hand sanitation located next to stationary medication-dispensing units

- 3.9-3.6.10 ___ Soiled workroom
- 3.9-3.6.15.1 ___ located in procedure area
- ___ clinical sink or equivalent equipment

- 3.9-3.6.10.2
- (1) ___ sink
- (2) ___ work surface
- ___ holding areas for trash, linen & other contaminated waste
- (3)

- Ventilation:
- ___ Min. 10 air changes per hour Table 7.1
 - ___ Exhaust
 - ___ Negative pressure

- 3.9-3.6.11.2 ___ General equipment & supply storage
- ___ min. 25 sf per procedure room

- 3.9-3.6.11.3
- (1) ___ Stretcher storage area
- check if not included in project

- 3.1-3.6.11.3
- (1) ___ Wheelchair Storage & Parking Space:
 - ___ designated for at least one facility-owned wheelchair
 - check if not included in project
 - ___ located out of required corridor width
- (2) ___ designated area for wheelchair parking
 - ___ located in non-public area
 - ___ located out of any required egress width or other required clearance

- 3.9-3.6.11.4 ___ emergency equipment storage
- ___ located at both procedure & recovery areas

- 3.1-3.6.11.4 ___ readily accessible
- ___ under staff control

- 3.9-3.6.11.5 ___ Anesthesia equipment & supply storage
- ___ space for cleaning, testing & storing anesthesia equipment & supplies

Architectural Requirements

Building Systems Requirements

- 3.9-3.6.11.6 (1) Medical gas storage
 - adequate space for supply & storage, including space for reserve cylinders
- (2) medical gas storage location protected as required in NFPA 99

- 3.9-3.6.12 Environmental services room
 - exclusively for endoscopy procedure suite

- 3.1-5.5.1.2 (1) service sink or floor-mounted mop sink
- (2) provisions for storage of supplies & housekeeping equipment
- (3) handwashing station or hand sanitation dispenser

- Ventilation:
- Min. 10 air changes per hour Table 7.1
 - Exhaust
 - Negative pressure

- 3.9-3.6.15 Fluid waste disposal facilities in recovery area
- 3.9-3.6.15.2 toilet equipped with bedpan washer in patient toilet room
- or**
- separate clinical sink

SUPPORT AREAS FOR NURSING STAFF

- 3.9-3.7 Staff changing areas (may be unisex)
- 3.9-3.7.1 Staff changing areas (may be unisex)
- 3.9-3.7.1.2 (1) lockers
- (2) toilets
- (3) handwashing stations
- (4) space for changing clothes
- 3.9-3.7.2 Staff lounge & toilet facilities
 - check if not included in project (only if less than two procedure rooms)
- 3.1-6.4.1 Staff lounge
 - check if not included in project
 - handwashing station

SUPPORT AREAS FOR PATIENTS

- 3.9-3.8 Patient changing area
- 3.9-3.8.1 Patient changing area
- 3.9-3.8.1.1 (1) lockers
- (2) toilet
- (3) clothing change or gowning area
- (4) space for administering medications
- 3.9-3.8.1.2 provisions for securing patients personal effects

Architectural Requirements

Building Systems Requirements

3.9-4

PATIENT SUPPORT FACILITIES

3.9-4.1

___ Laboratory services

3.1-4.1.2.1

___ all lab tests are performed on-site
 ___ separate dedicated room

or

___ only CLIA waived tests are performed
 ___ lab room or open lab area

3.1-4.1.2.2

(2)

___ work areas sized for equipment specifications

___ equipment specifications have been submitted

(a)

___ work counter

(b)

___ laboratory sink

(c)

___ access to tele/data service

(d)

___ electrical service

3.1-4.1.2.3

___ handwashing station

3.1-4.1.3

Support Areas for Laboratory:

3.1-4.1.3.1

___ storage cabinet or closet

3.1-4.1.3.2

___ specimen collection facilities

(1)

___ urine or feces specimens collection
 check if not included in project

___ toilet room with staff-controlled access

(a)

___ handwashing station

(2)

___ blood collection facilities

(b)

___ work counter

(a)

___ seating space for patients

(c)

___ handwashing station

(d)

___ reclining chair or gurney for patients who become unsteady

Ventilation:

___ Min. 6 air changes per hour Table 7.1
 ___ Negative pressure

Ventilation:

___ Min. 10 air changes per hour Table 7.1

3.9-5

GENERAL SUPPORT FACILITIES

3.9-5.1

___ Instrument processing room

3.9-5.1.1.4

Layout:

(1)

___ allows for flow of instruments from decontamination area to clean work area & then to storage in separate location

(2)

___ min. clearance 3'-0" between decontamination area & clean work area

3.9-5.1.2

___ decontamination area

3.9-5.1.2.1

___ work counter

3.9-5.1.2.2

___ access to handwashing station within instrument processing room

3.9-5.1.2.3

___ utility sink

3.9-5.1.3

___ clean work area

3.9-5.1.3.1

(1)

___ countertop with space for equipment used

(2)

___ handwashing station

(3)

___ storage for supplies

Ventilation:

___ Min. 6 air changes per hour Table 7.1
 ___ Negative pressure
 ___ Exhaust
 ___ No room recirculating units

Ventilation:

___ Min. 4 air changes per hour Table 7.1
 ___ Positive pressure
 ___ No room recirculating units

Architectural Requirements

Building Systems Requirements

- 3.9-5.1.3.3 Storage for clean endoscopes
 - storage cabinet located in instrument processing room
 - (2) min. clearance 3'-0" from any sink
 - (3) located so staff do not have to cross decontamination area to reach it
 - or**
 - enclosed storage separate from instrument processing room

- 3.9-5.5.1 Environmental services room
 - 3.1-5.5.1.1 min. one ES room per floor

- 3.1-5.5.1.2 service sink or floor-mounted mop sink
 - (1) provisions for storage of supplies & housekeeping equipment
 - (2) handwashing station or hand sanitation dispenser
 - (3) handwashing station or hand sanitation dispenser

- Ventilation:
- Min. 10 air changes per hour Table 7.1
 - Exhaust
 - Negative pressure

3.9-6.2 **PUBLIC AREAS**

- 3.9-6.2.1 Vehicular drop-off and pedestrian entrance
 - 3.9-6.2.2.1 Reception
 - 3.9-6.2.2.2 Waiting space
 - 3.9-6.2.2.3 Public toilets
 - 3.9-6.2.2.4 Public telephones
 - 3.9-6.2.2.5 Provisions for drinking water

3.9-6.3 **ADMINISTRATIVE AREAS**

- 3.9-6.3.2 Interview space for private interviews relating to admission (may be combined with multipurpose room)
 - 3.9-6.3.2.2 separate from public & patient areas
- 3.9-6.3.3 Offices for business transactions
- 3.9-6.3.4 Multipurpose room or consultation room
- 3.9-6.3.5 Medical records
 - 3.1-6.3.5.1 restricted to staff access

3.9-6.4 **SUPPORT AREAS FOR ADMINISTRATIVE STAFF**

- 3.9-6.4.1 Staff storage facilities
 - locking drawers and/or cabinets for personal effects of staff

Architectural Details & MEP Requirements

3.1-7.2.2 ARCHITECTURAL DETAILS

3.1-7.2.2.1 Corridor Width:

- IBC 1018.2 Min. 44" except in corridors used to transport patients on stretchers
- or**
- Compliance of corridor width with State Building Code is established in submitted Code Review Sheet

- Min. 72" in corridors used to transport patients on stretchers
- 421 CMR 6.00 Corridors include turning spaces for wheelchairs

3.1-7.2.2.2 Ceiling Height:

- Min. 7'-10" (except in spaces listed below in this section)
- (1) Min. 7'-6" in corridors
- Min. 7'-6" in normally unoccupied spaces
- (2) Min. height 7'-0" from lowest protruding element of equipment in radiography, procedure & operating rooms

3.1-7.2.2.3 Doors & Door Hardware:

- (1) **Door Type:**
- (a) all doors between corridors, rooms, or spaces subject to occupancy of swing type or sliding doors
- (b) sliding doors
- check if not included in project
- no floor tracks in patient care areas

(2) Door Openings:

- (a) door provides stretcher access
- min. clear width 45.5"
- min. clear height 83.5"
- or**
- door does not provide stretcher access
- 421 CMR 26.00 door to room used by patients min. clear width 32"

- (3) door do not swing into corridors except doors to non-occupiable spaces
- (4) lever hardware
- (b) doors to patient use toilets in patient care & treatment areas have hardware that allows staff emergency access

3.1-7.2.2.8 Handwashing Stations:

- (3) Anchored to support vertical or horizontal force of 250 lbs.
- (4) **Counter-Mounted Sinks:**
- (a) countertops made of porcelain, stainless steel, or solid surface materials
- (b) plastic laminate countertops
- check if not included in project
- at minimum substrate marine-grade plywood with impervious seal
- (5) no storage casework beneath sink
- (6) provisions for drying hands at all handwashing stations except hand scrub facilities
- (a) hand-drying device does not require hand contact
- (b) hand-drying provisions enclosed to protect against dust or soil
- (7) liquid or foam soap dispensers

3.1-7.2.2.9 Grab Bars:

- (2) anchored for concentrated load of 250 lbs.
- (3) bariatric design
- check if not included in project
- length of rear wall grab bars 44"

3.1-7.2.3 SURFACES

3.1-7.2.3.1 Flooring & Wall Bases:

- (1) Selected flooring surfaces cleanable & wear-resistant for location
- (2) Smooth transitions between different flooring materials
- (3) Flooring surfaces, including those on stairways, stable, firm & slip-resistant
- Carpet provides stable & firm surface
- (4) Floors & wall bases materials in all areas subject to frequent wet cleaning are not affected by germicidal cleaning solutions
- 3.1-7.2.3.1(5) Monolithic floors & wall bases in operating rooms & procedure rooms
- integral covered base min. 6" high
- 3.1-7.2.3.1(5) Monolithic floors & wall bases in endoscopy instrument processing rooms
- integral covered base min. 6" high

- 3.1-7.2.3.1(5) ___ Monolithic floors & wall bases in IV & chemotherapy preparation rooms
 ___ integral covered base min. 6" high
- 3.1-7.2.3.1(5) ___ Monolithic floors & wall bases in airborne infection isolation rooms
 ___ integral covered base min. 6" high
- 3.1-7.2.3.2 Walls & Wall Protection:
- (1)(a) ___ Wall finishes washable
- (1)(b) ___ Wall finishes in vicinity of plumbing fixtures smooth, scrubbable & water-resistant
- (2) ___ Wall surfaces in areas routinely subjected to wet spray or splatter are monolithic or have sealed seams
- (4) ___ No sharp protruding corners
- (5) ___ Corner guards durable & scrubbable
- 3.9-7.2.3.3 Ceilings:
- (1) ___ ceiling finishes in endoscopy procedure rooms capable of withstanding cleaning with chemicals & without crevices
- (a) ___ lay-in ceiling
 ___ check if not included in project
 ___ gasketed or clipped down & cleanable
- (b) ___ no perforated, tegular, serrated, cut, or highly textured tiles
- 3.9-7.2.4 Furnishings:
- 3.9-7.2.4.2 Countertops & Casework in Instrument Processing Rooms:
- (1) ___ made of materials that are impervious to staining & cleaning chemicals
- (2) ___ min. 12" high backsplashes
- 3.1-8.2 **HVAC SYSTEMS**
- 4/6.3.1 Outdoor Air Intakes:
- 4/6.3.1.1 ___ Located min. 25 feet from cooling towers & all exhaust & vent discharges
 ___ Bottom of air intake is at least 6'-0" above grade
 Roof Mounted Air Intakes:
 ___ check if not included in project
 ___ bottom min. 3'-0" above roof level
- 4/6.4 Filtration:
 ___ Filter banks conform to Table 6.4
- 4/6.7 Air Distribution Systems:
- 4/6.7.1 ___ Ducted return or exhaust systems in spaces listed in Table 7.1 with required pressure relationships
 ___ Ducted return or exhaust systems in recovery rooms

- 4/7
- 4/7.1
- Space Ventilation:
- ___ Spaces ventilated per Table 7.1
- ___ Air movement from clean areas to less clean areas
- ___ Min. number of total air changes indicated either supplied for positive pressure rooms or exhausted for negative pressure rooms
- ___ Recirculating room HVAC units
 ___ check if not included in project
 ___ each unit serves only single space
 ___ min. MERV 6 filter for airflow downstream of cooling coils
- 3.1-8.2.1.1(5) Acoustical Considerations:
 ___ Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade
- 3.1-8.2.1.2 Ventilation & Space-Conditioning:
- (1) ___ All rooms & areas used for patient care have provisions for ventilation
- (2) ___ Natural ventilation only allowed for non sensitive areas via operable windows
 ___ Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4

3.1-8.3 **ELECTRICAL SYSTEMS**

3.1-8.3.2 **ELECTRICAL DISTRIBUTION & TRANSMISSION**

- 3.1-8.3.2.1 Switchboards Locations:
- (1)
- (a) ___ located in areas separate from piping & plumbing equipment
 ___ not located in rooms they support
 ___ accessible to authorized persons only
 ___ easily accessible
- (c) ___ easily accessible
- (d) ___ located in dry, ventilated space free of corrosive gases or flammable material
- 3.1-8.3.3.1 ___ Emergency electrical service conforms with NFPA 70, NFPA 99, NFPA 101, NFPA 110 & NFPA 111

3.1-8.3.4 **LIGHTING**

- 3.1-8.3.4.3(1) ___ Portable or fixed examination light in exam rooms & treatment rooms

3.1-8.3.6 **ELECTRICAL RECEPTACLES**

- 3.1-8.3.6.2 ___ Receptacles in patient care areas conform to Table 3.1-1

3.1-8.3.7 **CALL SYSTEMS**
 ___ Nurse call stations conform to Table 3.1-2

3.1-8.4 **PLUMBING SYSTEMS**

3.1-8.4.2.5 Heated Potable Water Distribution Systems:
 (2) ___ Systems serving patient care areas are under constant recirculation
 ___ Non-recirculated fixture branch piping does not exceed 25'-0" in length
 (3) ___ No dead-end piping
 (4) ___ Water-heating system has supply capacity at minimum temperatures & amounts indicated in Table 2.1-3

(5) ___ Handwashing stations supplied as required above
or
 ___ Handwashing stations supplied at constant temperature between 70°F & 80°F using single-pipe supply

3.1-8.4.3 **PLUMBING FIXTURES**

3.1-8.4.3.1
 (1) ___ Materials material used for plumbing fixtures non-absorptive & acid resistant

3.1-8.4.3.2 Handwashing Station Sinks:
 (1) ___ Basins reduce risk of splashing to areas where direct patient care is provided, sterile procedures are performed & medications are prepared
 (2) ___ Basin min. 144 square inches
 ___ Min. dimension 9 inches
 (3) ___ Made of porcelain, stainless steel, or solid-surface materials
 (5) ___ Water discharge point of faucets at least 10 inches above bottom of basin
 (7) ___ Anchoring for sinks withstands min. vertical or horizontal force of 250 lbs
 (8) ___ Fittings operated without using hands for sinks used by staff, patients & public

(a) ___ blade handles or single lever
 ___ min. 4 inches long
 ___ provide clearance required for operation
or
 (b) ___ sensor-regulated water fixtures
 ___ meet user need for temperature & length of time water flows
 ___ designed to function at all times & during loss of normal power

3.1-8.4.3.5 Clinical Sinks:
 check if not included in project
 (1) ___ Trimmed with valves that can be operated without hands
 (2) ___ Handles min. 6 inches long
 ___ Integral trap wherein upper portion of water trap provides visible seal

3.1-8.4.4 **MEDICAL GAS & VACUUM SYSTEMS**
 ___ Station outlets provided as indicated in Table 3.1-3

3.1-8.7.2 **ELEVATORS**

3.1-8.7.2.1 ___ Outpatient facility located on more than one floor or on floor other than an entrance floor at grade level
 ___ at least one elevator
or
 ___ Outpatient facility located on entrance floor at grade level