

COMPLIANCE CHECKLIST

IP16: Interventional Imaging

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 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 (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
INTERVENTIONAL IMAGING

2.2-3.5

2.2-3.5.2 **INTERVENTIONAL IMAGING PROCEDURE ROOM**

check if not included in project

2.2-3.5.2.1

Space Requirements:

- procedure room sized & configured in compliance with manufacturer specifications
- installation plans have been submitted to DPH Plan Review
- (1) min. clear dimension 18'-0"
- (2) min. clearance 4'-0" on all sides of gantry assembly or table

2.1-7.2.3.1(6)

- Monolithic floors with integral covered 6" high wall bases

Building Systems Requirements

Ventilation:

- Anesthetic gases are not used 4/7.4.3
 - Min. 15 air changes per hour
 - positive pressure
 - no recirculating room units

or

- Anesthetic gases are used
 - Min. 20 air changes per hour Table 7.1
 - positive pressure
 - no recirculating room units
 - airflow unidirectional, downwards & average velocity of diffusers 25-35 cfm/ft² 4/7.4.1
 - diffusers concentrated to provide airflow pattern over patient & surgical team
 - area of primary supply diffuser array extends min. 12" beyond footprint of surgical table on each side
 - no more than 30% of primary supply diffuser array area used for ceiling mounted equipment
 - at least 2 low sidewall return or exhaust grilles on opposite corners or as far apart as possible, with bottom of these grilles installed approximately 8" above floor

- Space ventilation & pressure relationship requirements of Table 7.1 be maintained in event of loss of normal electrical power in procedure rooms 4/6.1.1

Power:

- Total 12 receptacles Table 2.1-1
 - 8 receptacles convenient to operating table
 - 1 receptacle on each wall
- Selected circuits on emergency power NFPA 99

Architectural Requirements

Building Systems Requirements

2.2-3.5.2 **CARDIAC CATHETERIZATION PROCEDURE ROOM/ ELECTROPHYSIOLOGY PROC. ROOM**

check if not included in project

Space Requirements:

- 130.960(B) min. floor area 500 sf
- 2.2-3.5.2.1 procedure room sized & configured in compliance with manufacturer specifications
- installation plans have been submitted to DPH Plan Review
- (1) min. clear dimension 18'-0"
- (2) min. clearance 4'-0" on all sides of gantry assembly or table
- 2.1-7.2.3.1(6) Monolithic floors with integral covered 6" high wall bases

- Nurse Call System:
- Emergency staff assistance station Table 2.1-2
 - Code call station

- Medical Gases:
- 2 OX, 2 VAC, 1 MA Table 2.1-4

Ventilation:

- Anesthetic gases are not used 4/7.4.3
 - Min. 15 air changes per hour
 - positive pressure
 - no recirculating room units

or

- Anesthetic gases are used
 - Min. 20 air changes per hour Table 7.1
 - positive pressure
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 - airflow unidirectional, downwards & average velocity of diffusers 25-35 cfm/ft² 4/7.4.1
 - diffusers concentrated to provide airflow pattern over patient & surgical team
 - area of primary supply diffuser array extends min. 12" beyond footprint of surgical table on each side
 - no more than 30% of primary supply diffuser array area used for ceiling mounted equipment
 - at least 2 low sidewall return or exhaust grilles on opposite corners or as far apart as possible, with bottom of these grilles installed approximately 8" above floor

- Space ventilation & pressure relationship requirements of Table 7.1 be maintained in event of loss of normal electrical power in procedure rooms 4/6.1.1

Architectural Requirements

Building Systems Requirements

- Power:
- Total 12 receptacles Table 2.1-1
 - 8 receptacles convenient to operating table
 - 1 receptacle on each wall
 - Selected circuits on emergency power NFPA 99
- Nurse Call System:
- Emergency staff assistance station Table 2.1-2
 - Code call station
- Medical Gases:
- 2 OX, 2 VAC, 1 MA Table 2.1-4

2.2-3.5.3 **PRE-PROCEDURE & RECOVERY PATIENT CARE AREAS**

Pre-procedure & recovery area or room

- 2.2-3.5.3.1 (2) immediately accessible* to procedure rooms
- separate from corridors
- (3) arranged to permit visual observation by staff before & after procedure

- 2.2-3.5.3.2 Space Requirements:
- patient bays*
 - check if not included in project
 - min. clear floor area 60 sf
 - 4'-0" between sides of patient beds/stretchers
 - 3'-0" between sides of patient beds/ stretchers & adjacent walls or partitions
 - 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
 - provisions such as cubicle curtains used for patient privacy

- Nurse Call System:
- Patient station Table 2.1-2
 - Emergency staff assistance station

- 2.1-2.6.5.3 Handwashing Stations:
- (1) at least 1 handw. station for every 4 patient care stations or fewer & for each major fraction thereof
- evenly distributed
- (2) provide uniform distance from two patient care stations farthest from handwashing station

Architectural Requirements

Building Systems Requirements

SUPPORT AREAS FOR CARDIAC CATHETERIZATION PROCEDURE ROOM

check if not included in project

- 130.960(A)(5) Dressing area for outpatients
- 130.960(A)(6) directly accessible from procedure room

SUPPORT AREAS FOR INTERVENTIONAL IMAGING SERVICES

- 2.2-3.5.6.1 Control room or area
 - (2) shielded view window permits direct observation of patient from control console
 - (3) shielded control room configured to prevent radiation exposure into occupied areas of control room
 - check if not included in project (only for non-ionizing radiation modalities)
 - (4) separated from procedure room by door
- 2.2-3.5.6.4 Emergency response space
 - check if not included in project (only if no electrophysiology studies are performed)
 - space & equipment for emergency resuscitation & stabilization
 - immediately accessible* to procedure room
- 2.1-3.3 Hand scrub facilities
 - 2.1-3.3.2 one hand scrub station consisting of two scrub positions permitted to serve 2 procedure rooms if located next to the entrance of each procedure room
 - 2.1-3.3.3 placement of scrub station does not restrict minimum required corridor width

- 2.1-2.6.6 Medication safety zones
 - 2.1-2.6.6.1 (2) medication preparation room **or** self-contained medication dispensing unit
 - (a) located out of circulation paths to minimize distraction & interruption
 - (c) work counters
 - (d) task lighting
 - (e) meet acoustic design criteria per 1.2-5.1

- 2.1-2.6.6.2 (1) medication preparation room
 - check if not included in project
 - (a) under visual control of nursing staff
 - (b) work counter
 - handwashing station
 - lockable refrigerator
 - locked storage for controlled drugs

Ventilation: Min. 4 air changes per hour Table 7.1
 Nurse Call System: Duty station Table 2.1-2

Architectural Requirements

Building Systems Requirements

- (c) Sharps Containers:
 check if not included in project
 sharps containers placed at height that allows users to see top of container
- (d) 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 to secure controlled drugs
- (b) handwashing station located next to stationary medication-dispensing units

- 2.2-3.5.6.7 Reading room
- 2.2-3.5.6.8 Electrical equipment room

- 2.1-2.6.9 Clean workroom or clean supply room
- 2.1-2.6.9.1 clean workroom used for preparing patient care items
 - (1) work counter
 - (2) handwashing station
 - (3) storage facilities for clean & sterile supplies

- Ventilation:
- Min. 4 air changes per hour Table 7.1
- Positive pressure
- Nurse Call System:
- Duty station

- 2.1-2.6.9.2 clean supply room used only for storage & holding as part of system for distribution of clean & sterile supplies

- Ventilation:
- Min. 4 air changes per hour Table 7.1
- Positive pressure

- 2.1-2.6.10 Soiled workroom or soiled holding room
- 2.1-2.6.10.1 soiled workroom room
 - (1) handwashing station
 - (2) flushing-rim clinical service sink with bedpan washer
 - (3) work counter
 - (4) space for separate covered containers

- Ventilation:
- Min. 10 air changes per hour Table 7.1
- Exhaust
- Negative pressure
- Nurse Call System:
- Duty station

- 2.1-2.6.10.2(1) soiled holding room
 - (a) handwashing station or hand sanitation station
 - (b) space for separate covered containers

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

- 2.1-2.6.12 Environmental services room
- 2.1-2.6.12.1 serves one or more than one nursing unit on a floor
- (2) readily accessible* to unit it serves

- 2.1-2.6.12.2 service sink or floor-mounted mop sink
- (1) service sink or floor-mounted mop sink

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

Architectural Requirements

- (2) ___ provisions for storage of supplies & housekeeping equipment
- (3) ___ handwashing station or hand sanitation station

Building Systems Requirements

- ___ Exhaust

2.2-3.5.7 **SUPPORT AREAS FOR STAFF**

- 2.2-3.5.7.1 ___ Staff changing area

130.955 **SUPPORTIVE DIAGNOSTIC SERVICES FOR CARDIAC CATH & EP PROCEDURE ROOMS**

check if not included in project

	If on-site ✓ box	If off-site indicate service location
Services For Hematology & Coagulation Disorders	<input type="checkbox"/>	
Electrocardiography	<input type="checkbox"/>	
Diagnostic Radiology	<input type="checkbox"/>	
Clinical Pathology	<input type="checkbox"/>	
Nuclear Medicine	<input type="checkbox"/>	
Nuclear Cardiology	<input type="checkbox"/>	
Doppler Echocardiography	<input type="checkbox"/>	
Pulmonary Function Testing	<input type="checkbox"/>	
Microbiology	<input type="checkbox"/>	
Exercise Stress Testing	<input type="checkbox"/>	
Cardiac Pacemaker Station	<input type="checkbox"/>	

Architectural Details & MEP Requirements

2.1-7.2.2 ARCHITECTURAL DETAILS

2.1-7.2.2.1 NFPA 101 ___ Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width

or

___ Code Review Sheet establishing compliance with NFPA 101 has been submitted

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

2.1-7.2.2.2 **CEILING HEIGHT:**

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

(2) ___ Min. height 7'-0" in procedure rooms from floor to lowest protruding element of equipment or fixture in stowed position

- (4) ___ Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds and/or on stretchers
- ___ Min. ceiling height 7'-10" in other areas

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

- (1) (a) ___ Doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors
- (b) ___ Sliding doors
 - check if not included in project
 - ___ manual or automatic sliding doors comply with NFPA 101
 - ___ code review sheet attached
 - ___ no floor tracks
- (2) (a) ___ 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
- (3) min. clear width 34.5"
 Doors do not swing into corridors (except doors to non-occupiable spaces & doors with emergency breakaway hardware)
- (4) Lever hardware
- (b) Doors for patient toilet facilities
- (5) 2 doors separated by horizontal distance equal to one-half length of max. diagonal room dimension
or
 door that swings outward
or
 door equipped with emergency rescue hardware
or
- (a) sliding door
- (b) toilet room door opening in public area or corridor maintains visual privacy

2.1-7.2.2.7

GLAZING MATERIALS:

- (4) Glazing within 18" of floor
 check if not included in project
 safety glass, wire glass or plastic break-resistant material

2.1-7.2.2.8

HANDWASHING STATIONS:

- (1) Handwashing stations in patient care areas located to be visible & unobstructed
- (3) Anchoring suitable for vertical or horizontal force of 250 lbs.
- (4) Handwashing Station Countertops:
 check if not included in project
- (a) porcelain, stainless steel or solid surface materials
- (b) plastic laminate countertops
 check if not included in project
 substrate marine-grade plywood (or equivalent) with impervious seal
- (5) Designed to prevent storage beneath sink
- (6) provisions for drying hands
- (a) hand-drying device does not require hands to contact dispenser
- (d) directly accessible* to sinks
- (7) Liquid or foam soap dispensers

2.1-7.2.2.9
(2)

GRAB BARS:

- Grab bars anchored to sustain concentrated load of 250 lbs.

2.1-7.2.2.10
(1)

HANDRAILS:

- Handrails installed on both sides of patient use corridors
- (3) Rail ends return to wall or floor
- (4) Smooth non-textured surface free of rough edges
- (5) Eased edges & corners
- (6) Finishes cleanable

2.1-7.2.2.11

RADIATION PROTECTION:

- check if no radiation emitting equipment is included in project
- Protection for X-ray & Gamma-ray installations are shown in the plans
- Documentation for radiation protection has been submitted separately to the DPH Radiation Control Program

2.1-7.2.2.12
(1)

NOISE CONTROL:

- Recreation rooms, exercise rooms, equipment rooms & similar spaces with potential impact noises are not located directly over operating suites
- (2) Partitions, floors & ceiling construction in patient areas conform to Table 1.2-6

2.1-7.2.3

SURFACES

2.1-7.2.3.1

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
- (b) Carpet
 check if not included in project
 provides stable & firm surface
- (4) Floors & wall bases of soiled workrooms, toilet rooms & other wet cleaned areas are not physically affected by cleaning solutions

2.1-7.2.3.2

WALLS & WALL PROTECTION:

- (1) Washable wall finishes
- (a) Wall finishes near plumbing fixtures smooth, scrubbable & water-resistant
- (b) Monolithic wall surfaces in areas routinely subjected to wet spray or splatter
- (2) No sharp, protruding corners
- (5) No sharp, protruding corners

- (6) Wall protection devices & corner guards durable & scrubbable
- 2.1-7.2.3.3 **CEILING:**
- (1) Ceilings in areas occupied by patients, in clean rooms & soiled rooms:
 - (a) cleanable with routine housekeeping equipment
 - (b) acoustic & lay-in ceilings
 - check if not included in project
 - do not create ledges or crevices
- (3) Ceiling finishes in semi-restricted areas smooth, scrubbable, non-absorptive, non-perforated
 - (a) lay-in ceiling
 - check if not included in project
 - ceiling tiles gasketed
 - or**
 - each ceiling tile weighs at least one pound per square foot
 - (b) no perforated, tegular, serrated, cut, or highly textured tiles
- (4) Ceiling in restricted areas:
 - (a) monolithic construction
 - no cracks or perforations
 - (b) ceiling finishes scrubbable
 - (c) gasketed access openings

2.1-8.2 **HEATING, VENTILATION, & AIR-CONDITIONING (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
- 4/6.3.1.2 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
 - 4/6.4.1 Filter Bank #1 placed upstream of heating & cooling coils
 - 4/6.4.2 Filter Bank No. 2 installed downstream of cooling coils & supply fan
- 4/6.5 Heating & Cooling Systems:

- 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
 - Ducted return or exhaust systems in inpatient care areas
 - 4/6.7.3 Smoke & Fire barriers:
 - HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers
 - 4/6.8 Energy Recovery Systems:
 - 4/6.8.2 Exhaust systems serving potentially contaminated rooms are not used for energy recovery
 - 4/6.9 Duct Lining:
 - No duct lining in ductwork located downstream of Filter Bank #2
 - 4/7. Space Ventilation:
 - 4/7.1 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
 - 4/7.4.3 Imaging Procedure Rooms:
 - anesthetic gases are not used
 - ventilation complies with requirements for ambulatory surgery "Procedure Rooms"
 - or**
 - anesthetic gases are used
 - ventilation complies with requirements for "Operating Rooms"
- 2.1-8.2.1.1 (5) Acoustic Considerations:
 - Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade

- 2.1-8.2.1.2 Ventilation & Space-Conditioning:
 - (1) ___ All rooms & areas used for patient care have provisions for ventilation
 - (2) ___ Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4
- 2.1-8.2.3.1 Exhaust Systems:
 - (1) ___ Room routinely used for administering inhalation anesthesia & inhalation analgesia
 - check if not included in project
 - (b) ___ anesthesia scavenging system with air supply at or near ceiling & exhaust air inlets near floor level

or
 - (c) ___ gas-collecting system arranged so as not to disturb patients respiratory systems
 - ___ gases from scavenging system exhausted directly to outside

2.1-8.3 ELECTRICAL SYSTEMS

2.1-8.3.2 ELECTRICAL DISTRIBUTION & TRANSMISSION

- 2.1-8.3.2.1 Switchboards Locations:
 - (1) ___ Located in areas separate from piping & plumbing equipment
 - (b) ___ Not located in rooms they support
 - ___ Accessible to authorized persons only
 - (c) ___ Located in dry, ventilated space free of corrosive gases or flammable material

- 2.1-8.3.2.2 Panelboards:
 - (1) ___ Panelboards serving life safety branch emergency circuits only serve same floor, floor above & floor below
 - (2) ___ Panelboards serving critical branch emergency circuits only serve same floor
 - (3) ___ New panelboards not located in exit enclosures

- 2.1-8.3.2.3 Ground-Fault Circuit Interrupters in Critical Care Areas:
 - check if not included in project
 - (2) ___ Provisions made to ensure that essential equipt is not affected by activation of one interrupter

- 2.1-8.3.3.1 **EMERGENCY ELECTRICAL SERVICE**
 - (1) ___ Emergency power per NFPA 99, NFPA 101 & NFPA 110

- 2.1-8.3.5 **ELECTRICAL EQUIPMENT**
 - 2.1-8.3.5.2 ___ Required handwashing station or scrub sink tied to building electrical service
 - check if not included in project
 - ___ connected to essential electrical system

- 2.1-8.3.6 **ELECTRICAL RECEPTACLES**
 - 2.1-8.3.6.2 Receptacles in Patient Care Areas:
 - ___ receptacles provided according to Table 2.1-1

- 2.1-8.3.7 **CALL SYSTEMS**
 - ___ Nurse call equipment legend includes patient stations, bath stations, staff emergency stations & code call stations

- 2.1-8.3.7.1
 - (1) ___ Nurse call system locations provided as required in Table 2.1-2
 - (2) ___ Nurse call systems report to attended location with electronically supervised visual & audible signals
 - (4) ___ Call systems meet requirements of UL 1069 *Standard for Hospital Signaling & Nurse Call Equipment*
 - (5) ___ Wireless system
 - check if not included in project
 - ___ meet requirements of UL 1069

- 2.1-8.3.7.3 Bath Stations:
 - ___ provided at each patient toilet
 - (1) ___ alarm turned off only at bath station where it was initiated
 - (3) ___ located to side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor

- 2.1-8.3.7.4 ___ Staff emergency stations for summoning local staff assistance for non-life-threatening situations at each patient care location

- 2.1-8.3.7.5 ___ Code call station equipped with continuous audible or visual signal at point of origin

2.1-8.4.2 PLUMBING & OTHER PIPING SYSTEMS

- 2.1-8.4.2.5 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

2.1-8.4.2.6

Drainage Systems:

- (1) drainage piping above ceiling of, or exposed in procedure rooms or electric closets
 - check if not included in project
 - special provisions to protect space below from leakage & condensation
- (2) **Floor Drains:**
- (a) no floor drains in procedure rooms

2.1-8.4.3

PLUMBING FIXTURES

2.1-8.4.3.1

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

2.1-8.4.3.2

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 medical & nursing staff, patients, public & food handlers

(a)

- blade handles or single lever
 - min. 4 inches long
 - provide clearance required for operation

(b)

- sensor-regulated water fixtures

2.1-8.4.3.4

Ice-Making Equipment:

- copper tubing provided for supply connections

2.1-8.4.3.5

Clinical Sinks:

(1)

- check if not included in project
- trimmed with valves that can be operated without hands
- handles min. 6 inches long
- integral trap wherein upper portion of water trap provides visible seal

(2)

2.1-8.4.3.6

Scrub Sinks:

(1)

- freestanding scrub sinks trimmed with foot, knee, or electronic sensor controls

2.1-8.4.4

MEDICAL GAS & VACUUM SYSTEMS

- Station outlets provided as indicated in Table 2.1-4

2.1-8.4.4.2

(2)

- Vacuum discharge at least 25'-0" from all outside air intakes, doors & operable windows

2.1-8.6.2

ELECTRONIC SURVEILLANCE SYSTEMS

- check if not included in project

2.1-8.6.2.1

- Devices in patient areas mounted in unobtrusive & tamper-resistant enclosures

2.1-8.6.2.2

- Monitoring devices not readily observable by general public or patients

2.1-8.6.2.3

- Receive power from emergency electrical system