

COMPLIANCE CHECKLIST

IP6: Neonatal Intensive Care Unit

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:

Nursing Unit Bed Complements:

Current = Proposed =

Satellite Name: (if applicable)

Building/Floor Location:

Satellite Address: (if applicable)

Submission Dates:

Initial Date:

Revision Date:

Project Description:

Architectural Requirements
NEONATAL INTENSIVE CARE UNIT

Building Systems Requirements

2.2-2.10

2.2-2.10.1.2
 (1)

- Location:
- all entries to NICU controlled
 - family entrance & reception area clearly identified
 - reception area permits visual observation & contact with all traffic entering unit
 - NICU designed as part of an overall safety program to protect physical security of infants, parents & staff & to minimize risk of infant abduction

2.2-2.10.2

NICU ROOMS & AREAS

2.2-2.10.2.2

- Space Requirements:
- multiple-bed rooms
 - check if not included in project
 - min. clear floor area 120 sf per infant care bed excluding sinks & aisles
 - aisle adjacent* to each infant care space with min. width 4'-0"
 - min. clearance 8'-0" between infant care beds
 - rooms/cubicles for use of single infant
 - check if not included in project
 - min. clear floor area 150 sf
 - adjacent* aisle with min. clear width 8'-0" to permit passage of equipment & personnel
 - in all bed areas, min. clearance of 4'-0" between sides of infant care beds & any wall or other fixed obstruction

- Ventilation*:
- Min. 6 air changes/hour
 - No recirculating room units
- Table 7.1

(1)(a)

- Power*:
- Min. 16 receptacles convenient to head of bed with one on each wall
- Table 2.1-1

(2)(a)

- Nurse Call System*:
- Patient station
- Table 2.1-2

(3)(a)

- Emergency staff assistance station
- Code call station

(1)(b)

- Medical Gases*:
- 3 OX, 3 VAC, 1 MA for each bed
- Table 2.1-4

(2)(b)

**Common requirements for all patient stations*

(3) (b)

2.2-2.10.2.3

- Windows
- at least one source of daylight visible from infant care areas, either from each infant area itself or from an adjacent* area
 - exterior windows in infant care areas glazed with insulating glass to minimize heat gain or loss
 - exterior windows in infant care areas sized, glazed & situated at least 2'-0" from any part of an infant's bed to minimize radiant heat loss from infant
 - all daylight sources equipped with shading devices

(1)

(2)

(3)

2.2-2.10.2.4

- each patient care space designed to allow visual privacy for infant & family

Architectural Requirements

- 2.2-2.10.2.5 Handwashing Stations:
 - (1) ___ within 20'-0" of every bed position & in
 - (2) ___ each infant care room

SPECIAL PATIENT CARE ROOMS

- 2.2-2.10.4 ___ Airborne infection isolation (AII) room
 - (1) ___ provisions for observation of infant
 - ___ from adjacent* areas of NICU

- 2.1-2.4.2.2
 - (1) ___ single-bed room
 - (2) ___ provision made for personal protective equipment storage at entrance to room
 - (3) ___ handwashing station in each patient room
- 2.1-7.2.3.1(6) ___ monolithic floors with integral covered 6" high wall base

- 2.1-2.4.2.3 ___ Anteroom
 - (1) ___ check if not included in project
 - ___ for persons to don personal protective equipment before entering patient room
 - (2) ___ all doors to anteroom have self-closing devices

- 2.1-2.4.2.4(1)
 - (b) ___ self-closing devices on all room exit doors
 - (c) ___ doors has edge seals

SUPPORT AREAS FOR NICU

- 2.2-2.10.6 ___ Administrative center or nurse station
 - 2.2-2.10.6.1
 - (1) ___ space for counters & storage
 - (2) ___ handwashing station located in, next to, or directly accessible* to administrative center or nurse station
 - (3) ___ centers for reception & communication & patient monitoring (may be combined with administrative center or nurse station)

Building Systems Requirements

- Ventilation:
- ___ Min. 12 air changes per hour Table 7.1
 - ___ Exhaust
 - ___ Negative pressure
 - ___ No recirculating room units
 - ___ Space ventilation & pressure relationship maintained in event of loss of normal electrical power 4/6.1.1
 - ___ Exhaust air from AII rooms, associated anterooms & toilet rooms discharged directly to outdoors 4/7.2.1
 - ___ Exhaust grilles or registers located directly above patient bed on ceiling or on wall near head of bed
 - ___ Permanent device monitoring differential air pressure between AII room & corridor

- Ventilation:
- ___ Min. 10 air changes per hour Table 7.1
 - ___ Exhaust
 - ___ Negative pressure to corridor
 - ___ No recirculating room units
 - ___ AII room under negative pressure to anteroom 4/7.2.1
 - ___ Anteroom under negative pressure to corridor

- Nurse Call System:
- ___ Master station Table 2.1-2

Architectural Requirements

Building Systems Requirements

- 2.1-2.6.2 Documentation area
- 2.1-2.6.2.1 work surface to support documentation process for number of staff who will use it at same time
- 2.1-2.6.3 Nurse or supervisor office
- 2.2-2.10.6.4 Multipurpose room for staff, patients & patients families for patient conferences, reports education, training sessions & consultation (may serve several nursing units & departments)
- 2.1-2.6.6 Medication safety zones
- 2.1-2.6.6.1 medication preparation room
- (2) **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 medication preparation room
- (1) 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
- (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, in an alcove, or inpatient room
- lockable unit to secure controlled drugs
- (b) handwashing station located next to stationary medication-dispensing units
- Mobile Medication-Dispensing Carts:
- check if not included in project:
- space in patient rooms to accommodate cart
- 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

- Nurse Call System:
- Duty station Table 2.1-2

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

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

	Architectural Requirements	Building Systems Requirements
2.1-2.6.9.2	<p style="text-align: center;">or</p> <input type="checkbox"/> clean supply room used only for storage & holding as part of system for distribution of clean & sterile supplies	Ventilation: <input type="checkbox"/> Min. 4 air changes per hour <input type="checkbox"/> Positive pressure Table 7.1
2.1-2.6.10	<input type="checkbox"/> Soiled workroom or soiled holding room	
2.1-2.6.10.1	<input type="checkbox"/> Soiled workroom	Ventilation: <input type="checkbox"/> Min. 10 air changes per hour <input type="checkbox"/> Exhaust <input type="checkbox"/> Negative pressure Table 7.1
(1)	<input type="checkbox"/> handwashing station	
(2)	<input type="checkbox"/> flushing-rim clinical service sink with bedpan washer	
(3)	<input type="checkbox"/> work counter	
(4)	<input type="checkbox"/> space for separate covered containers	Nurse Call System: <input type="checkbox"/> Duty station
	or	
2.1-2.6.10.2	<input type="checkbox"/> soiled holding room	Ventilation: <input type="checkbox"/> Min. 10 air changes per hour <input type="checkbox"/> Exhaust <input type="checkbox"/> Negative pressure Table 7.1
(1)		
(a)	<input type="checkbox"/> handwashing station or hand sanitation station	
(b)	<input type="checkbox"/> space for separate covered containers	
(3)	<input type="checkbox"/> toilet with bedpan washer located in each inpatient toilet room	
2.1-2.6.11.4	<input type="checkbox"/> Emergency equipment storage	
(1)	<input type="checkbox"/> each nursing unit has at least one emergency equipment storage location	
(2)	<input type="checkbox"/> under visual observation of staff	
(3)	<input type="checkbox"/> storage locations in corridors do not infringe on min. required corridor width	
2.2-2.10.6.12	<input type="checkbox"/> Environmental services room	
(1)	<input type="checkbox"/> not shared with other nursing units or departments	
(2)	<input type="checkbox"/> directly accessible* to NICU	
2.1-2.6.12.1	<input type="checkbox"/> serves one or more than one nursing unit on a floor	
(1)	<input type="checkbox"/> serves one or more than one nursing unit on a floor	
(2)	<input type="checkbox"/> readily accessible* to unit it serves	
2.1-2.6.12.2	<input type="checkbox"/> service sink or floor-mounted mop sink	Ventilation: <input type="checkbox"/> Min. 10 air changes per hour <input type="checkbox"/> Exhaust Table 7.1
(1)	<input type="checkbox"/> service sink or floor-mounted mop sink	
(2)	<input type="checkbox"/> provisions for storage of supplies & housekeeping equipment	
(3)	<input type="checkbox"/> handwashing station or hand sanitation station	
2.2-2.10.6.13	Diagnostic, Treatment & Service Areas Accessible To NICU:	
(1)	<input type="checkbox"/> respiratory therapy	
(2)	<input type="checkbox"/> blood gas lab	
(3)	<input type="checkbox"/> developmental therapy	
(4)	<input type="checkbox"/> social work	
(5)	<input type="checkbox"/> laboratory services	
(6)	<input type="checkbox"/> pharmacy services	
(7)	<input type="checkbox"/> radiology services	

Architectural Requirements

Building Systems Requirements

- 2.2-2.10.6.14 Space for lactation support & consultation
 - immediately accessible* to NICU
 - (1) handwashing station & counter in, next to, or directly accessible* to lactation support space
 - (2) refrigeration & freezing
 - (a) storage for pump & attachments & educational materials
 - (b)
- 2.2-2.10.6.15 Infant feeding preparation facilities
 - (1) space for preparation & storage of formula & additives to human milk & formula in unit or other location away from bedside
 - (a) work area & equipment layout designed to provide for flow of materials from clean to soiled to maintain an aseptic preparation space
 - (b) infant feeding preparation space
 - commercial infant formula used
 - (2) **or**
 - (3) on-site infant feeding preparation facilities
 - anteroom area
 - preparation area
 - storage space
 - cleanup area
 - (4) Provisions for human milk storage for human milk in designated space in infant feeding preparation room or in designated spaces on nursing unit
 - (5) Special Design Elements:
 - surfaces in infant feeding preparation non-absorbent, smooth & easily cleaned

SUPPORT AREAS FOR STAFF

- 2.2-2.10.7
- 2.2-2.10.7.1 Staff lounge, locker room
 - in or adjacent* to NICU
 - Staff toilet
 - in or adjacent* to NICU
- 2.2-2.10.7.2 Staff accommodations (may be located outside NICU)
- 2.2-2.6.7.4 sleeping & personal care accommodations for staff on 24-hour, on-call work schedules
 - (1) accommodations for sleeping & rest
 - (a) space for chair
 - (b) space for bed
 - (2) individually secured storage for personal items
 - (3) communication system
 - (4) bathroom with toilet, shower & handwashing station

- Ventilation:
 - Min. 10 air changes per hour
 - Exhaust

Table 7.1

Architectural Requirements

Building Systems Requirements

2.2-2.10.8 **SUPPORT AREAS FOR FAMILIES, PATIENTS & VISITORS**

- 2.2-2.10.8.1 ___ Family & visitor waiting room
 - ___ immediately accessible* to NICU
- 2.2-2.2.8.1 (4) ___ designed to minimize impact of noise & activity on patient rooms & staff functions
- (6) ___ public communication services
- 2.2-2.2.8.2 ___ toilet room readily accessible*
- 2.2-2.10.8.2 ___ Parent/infant room
 - check if not included in project (only if all NICU beds are in private rooms)
- (1)
 - (a) ___ direct, private access to sink, shower & toilet facilities
 - (b) ___ communication linkage with NICU staff
 - (c) ___ electrical & medical gas outlets as specified for other NICU beds
 - (d) ___ sleeping facilities for at least one parent
 - (e) ___ sufficient space for infant bed & equipment

Architectural Details & MEP Requirements

2.1-7.2.2 ARCHITECTURAL DETAILS

- 2.2-2.10.9.1 Special Architectural Details Requirements:
 - (1) ___ Patient room door openings min. clear width 3'-8" & min. height 7'-0"
 - (2)
 - (a) ___ Ceilings easily cleanable & non friable
 - (b) ___ Ceiling construction limits passage of particles from above ceiling plane into clinical environment
 - ___ Wall sound isolation meets 1.2-5.1.5
 - (3) ___ Door sound isolation meets 1.2-5.1.5
 - (4) ___ Door sound isolation meets 1.2-5.1.5
- 2.1-7.2.2.1 CORRIDOR WIDTH:
 - 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
 - (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 patient rooms & diagnostic/treatment areas
 - ___ Min. 83.5" clear door height for patient rooms & 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)
- (4) Lever hardware
- 2.1-7.2.2.7 **GLAZING MATERIALS:**
- (2) Safety glass-tempered or plastic glazing materials used for shower doors & bath enclosures
 check if not included in project
- (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) Handw. 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
- 2.2-2.10.9.3 **Special Noise Control Requirements:**
 Infant rooms, staff work areas, family areas & staff lounge & sleeping areas & spaces opening into them comply with room noise criteria in Table 1.2-5
- 2.1-7.2.2.12 **NOISE CONTROL:**
- (1) Recreation rooms, exercise rooms, equipment rooms & similar spaces where impact noises may be generated are not located directly over patient bed areas
- (2) Partitions, floors & ceiling construction in patient areas conform to Table 1.2-6

2.1-7.2.3

2.1-7.2.3.1

(1)

(2)

(3)

(b)

(4)

2.1-7.2.3.2

(1)

(a)

(b)

(2)

2.1-7.2.3.3

(1)

(a)

(b)

2.1-8.2

4/6.3.1

4/6.3.1.1

4/6.3.1.2

4/6.3.2

SURFACES

FLOORING & WALL BASES:

- Selected flooring surfaces cleanable & wear-resistant for location
- Smooth transitions between different flooring materials
- Flooring surfaces, including those on stairways, stable, firm & slip-resistant
- Carpet
 check if not included in project
 provides stable & firm surface
- Floors & wall bases of soiled workrooms, toilet rooms & other wet cleaned areas are not physically affected by cleaning solutions

WALLS & WALL PROTECTION:

- Washable wall finishes
- Wall finishes near plumbing fixtures smooth, scrubbable & water-resistant
- Monolithic wall surfaces in areas routinely subjected to wet spray or splatter

CEILINGS:

- Ceilings in areas occupied by patients, in clean rooms, soiled rooms:
- cleanable with routine housekeeping equipment
- acoustic & lay-in ceilings
 check if not included in project
 do not create ledges or crevices

HEATING, VENTILATION, & AIR-CONDITIONING (HVAC) SYSTEMS

Outdoor Air Intakes:

- 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

Exhaust Discharges for Infectious Exhaust Air:

- check if not included in project
- Ductwork under negative pressure (except in mechanical room)
- Discharge in vertical direction at least 10'-0" above roof level
- Located not less than 10'-0" horizontally from air intakes & operable windows/doors

<p>4/6.4 Filtration: ___ Filter banks conform to Table 6.4</p> <p>4/6.4.1 ___ Filter Bank #1 placed upstream of heating & cooling coils</p> <p>4/6.4.2 ___ Filter Bank No. 2 installed downstream of cooling coils & supply fan</p> <p>4/6.5 Heating & Cooling Systems: ___ no radiators or convectors in special care areas</p> <p>4/6.7 Air Distribution Systems: ___ Ducted return or exhaust systems in spaces listed in Table 7.1 with required pressure relationships ___ Ducted return or exhaust systems in inpatient care areas</p> <p>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 inpatient care areas</p> <p>4/6.7.3 Smoke & Fire barriers: ___ HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers</p> <p>4/6.8 Energy Recovery Systems: ___ Exhaust systems serving potentially contaminated rooms are not used for energy recovery</p> <p>4/6.9 Duct Lining: ___ No duct lining in ductwork located downstream of Filter Bank #2</p> <p>4/7. 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 ___ <input type="checkbox"/> check if <u>not</u> included in project ___ each unit serves only single space ___ min. MERV 6 filter for airflow downstream of cooling coils</p> <p>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</p> <p>2.1-8.2.1.2 (1) Ventilation & Space-Conditioning: ___ All rooms & areas used for patient care have provisions for ventilation</p>	<p>(2) ___ Natural ventilation only provided in non-sensitive areas & patient rooms via operable windows ___ <input type="checkbox"/> check if <u>not</u> included in project ___ Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4</p> <p>2.1-8.3 ELECTRICAL SYSTEMS</p> <p>2.1-8.3.2 ELECTRICAL DISTRIBUTION & TRANSMISSION</p> <p>2.1-8.3.2.1(1) Switchboards Locations: (a) ___ Located in areas separate from piping & plumbing equipment ___ Not located in rooms they support ___ Accessible to authorized persons only ___ Located in dry, ventilated space free of corrosive gases or flammable material (c) ___ Located in dry, ventilated space free of corrosive gases or flammable material</p> <p>2.1-8.3.2.2 Panelboards: (1) ___ Panelboards serving life safety branch emergency circuits only serve same floor, floor above & floor below ___ Panelboards serving critical branch emergency circuits only serve same floor ___ New panelboards not located in exit enclosures</p> <p>2.1-8.3.2.3 Ground-Fault Circuit Interrupters in Critical Care: ___ <input type="checkbox"/> check if <u>not</u> included in project ___ Provisions made to ensure that essential equipt is not affected by activation of one interrupter</p> <p>2.1-8.3.3.1 EMERGENCY ELECTRICAL SERVICE (1) ___ Emergency power per NFPA 99, NFPA 101 & NFPA 110</p> <p>2.1-8.3.4 LIGHTING</p> <p>2.2-2.10.9.2 Special Lighting Requirements: (1) ___ Provisions made for indirect lighting & high-intensity lighting in NICU ___ Controls to enable lighting to be adjusted over individual patient care spaces ___ Darkening sufficient for transillumination available when necessary ___ No direct ambient lighting in infant care space ___ Any direct ambient lighting used outside infant care area located or framed to avoid direct line of sight from any infant to fixture (does not exclude use of direct procedure lighting) ___ Lighting fixtures easy to clean</p> <p>(2) ___ Natural ventilation only provided in non-sensitive areas & patient rooms via operable windows ___ <input type="checkbox"/> check if <u>not</u> included in project ___ Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4</p>
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- 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**
- 2.1-8.3.6.1 Receptacles in Corridors:
 (1) duplex grounded receptacles installed approx. 50'-0" apart
 (2) duplex grounded receptacles installed approx. within 25'-0" of corridor ends
- 2.1-8.3.6.2 Receptacles in Patient Care Areas:
 receptacles provided according to Table 2.1-1
- 2.1-8.3.6.3 Emergency System Receptacles:
 distinctively colored or marked for identification
- 2.1-8.3.7 **CALL SYSTEMS**
- Nurse call equipment legend includes 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
- (4) call stations in diagnostic & treatment areas per Table 2.1-2
- 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 nurseries or electric closets
 check if not included in project
 special provisions to protect space below from leakage & condensation
- 2.1-8.4.3 **PLUMBING FIXTURES**
- 2.1-8.4.3.1 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, & 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

2.1-8.4.3.4 Ice-Making Equipment:
 copper tubing provided for supply connections

- 2.1-8.4.3.5 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

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