

COMPLIANCE CHECKLIST

IP10: Psychiatric Nursing 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
PSYCHIATRIC NURSING UNIT

Building Systems Requirements

2.2-2.14

1.2-3.6.2.2

- (1) Patient environment designed to protect the privacy, dignity, & health of patients
- Patient environment addresses potential risks related to patient elopement & harm to self, to others, & to the environment.

- (2) Design of behavioral/mental health patient areas accommodates need for clinical & security resources

- 2.2-2.14.1.4 Adult patients & pediatric patients are not mixed (nurse stations or support areas may be shared)

2.5-2.2.2

PATIENT BEDROOM

- 2.5-2.2.2.1 Capacity:
 maximum room capacity 2 patients

- 2.5-2.2.2.2 Space Requirements:
Single-Bed Rooms:
 check if not included in project
 min. clear floor area 100 sf per bed
Multiple-Bed Rooms:
 check if not included in project
 min. clear floor area 80 sf per bed

Ventilation:
 Min. 4 air changes/hour Table 7.1

2.5-2.2.2.6

- (1) Patient toilet room
 direct access to toilet room without having to enter corridor
or
 omission of direct access
 use of corridor access is part of hospital's written clinical risk assessment & management program

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

- (2) one toilet room serves no more than 2 patient bedrooms & no more than 4 patients

- (3) toilet & handwashing station
- (4) Toilet room doors:

- (a) toilet room doors equipped with keyed locks that allow staff to control access to toilet room
 keyed locks indicated by safety risk assessment
or
 omission of keyed locks
 omission of keyed locks indicated by safety risk assessment

Architectural Requirements

Building Systems Requirements

(b) door to toilet room swings outward or is double acting

(5)
(b) grab bars are ligature-resistant
 check if not included in project

2.5-2.2.2.7 Bathtub or shower for each 6 beds

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

2.5-2.2.2.8 Patient Storage:
 wardrobe, locker, or closet
(1) shelves for folded garments used instead of arrangements for hanging garments
(2) adequate storage available for daily change of clothes for seven days

2.1-2.4.3 Seclusion room
 for short-term occupancy
 intended for patients requiring security & protection

2.1-2.4.3.1 Capacity:
(1)
(a) each room for only one patient
(b) at least one seclusion room for each 24 beds or fewer & for each major fraction thereof
(c) additional psychiatric nursing unit
 check if not included in project
 number of seclusion rooms function of total number of psychiatric beds in facility

(2) Location:
(a) permits observation from nurse station
(b) seclusion rooms permitted to be grouped together
(3) Layout & Access:
(a) access by an anteroom or vestibule that provides access to toilet room
(b) door openings to anteroom & toilet room min. clear width 3'-8"

2.1-2.4.3.2 Space Requirements:
(1) min. clear floor area 60 sf
 min. wall length 7'-0"
 max. wall length 11'-0"
(2) room for restraining patients
 check if not included in project
 min. clear floor area 80 sf

Ventilation:
 Min. 4 air changes/hour Table 7.1

2.1-2.4.3.9 Architectural Details:
(1) walls, ceiling & floor designed to withstand direct & forceful impact
(a) NFPA 101 Class A or Class B interior finish
(b) min. ceiling height 9'-0".

Architectural Requirements

Building Systems Requirements

- (c) Entrance Door to Seclusion Room:
 - swings out
 - permits staff observation of patient through view panel
 - view panel fixed glazing with polycarbonate or laminate
 - provisions for patient privacy
- (d) no outside corners or edges in seclusion rooms
- (2) Building Systems:
- (a) all items in room, including lighting fixtures, sprinkler heads, HVAC grilles & surveillance cameras, tamper-resistant & designed to prevent injury to patient
- (b) no electrical switches & receptacles

2.5-2.2.6 **SUPPORT AREAS FOR PSYCHIATRIC NURSING UNIT**

- 2.5-2.2.5.2 Location:
 - (1) support areas located in or readily accessible to each nursing unit
- 2.1-2.6.1 Administrative center or nurse station
 - 2.1-2.6.1.1 (1) space for counters
 - (2) at least one handwashing station located in, next to, or directly accessible*
- 2.5-2.2.6.2 Documentation area
 - separate charting area with provisions for acoustic & patient file privacy
- 2.5-2.2.6.3 Staff office
- 2.5-2.2.6.4 Multipurpose room
 - located in psychiatric unit or immediately accessible to it
- 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
- Nurse Call System:
 - Duty station

Table 7.1
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, 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

- 2.5-2.2.6.7 ___ Nourishment area
- (1) ___ nourishment station
- or**
- (2) ___ a kitchenette designed for patient use with staff control of heating & cooking devices
- or**
- (3) ___ a kitchen service area in unit with following:
 - (a) ___ handwashing station
 - (b) ___ storage space
 - (c) ___ refrigerator
 - (d) ___ facilities for meal preparation

Ventilation:
 ___ Min. 2 air changes per hour Table 7.1

- 2.1-2.6.8 ___ Ice-making equipment
- 2.1-2.6.8.1 ___ located in an enclosed space
- 2.1-2.6.8.2
- (1) ___ self-dispensing ice-making equipment in public area
- (2) check if not located in public area
- 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

Architectural Requirements

Building Systems Requirements

- 2.1-2.6.10 Soiled workroom or soiled holding room
- 2.1-2.6.10.1 Soiled workroom
 - (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

or

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

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

- 2.5-2.2.6.11 Equipment & Supply Storage:
 - storage areas listed below located to avoid risk to patients
- 2.1-2.6.11.1 clean linen storage
 - (1) clean linen stored in clean workroom or clean linen closet
 - (2) covered cart distribution system (corridor alcoves may be used)
 - check if not included in project
- 2.5-2.2.6.11 (2) wheelchair storage space (may be located outside the psychiatric unit)
- 2.1-2.6.11.4 emergency equipment storage
 - (1) each nursing unit has at least one emergency equipment storage location
 - (2) under visual observation of staff
 - (3) storage locations in corridors do not infringe on min. required corridor width
- 2.5-2.2.6.11(4) administrative supplies storage

- 2.5-2.2.6.12 Environmental services room
 - 2.5-2.2.6.12 (2) location of ES room in nursing unit
 - does not present risk to patients
- or**
- location of ES room readily accessible to nursing unit

- 2.1-2.6.12.2 service sink or floor-mounted mop sink
 - (1) provisions for storage of supplies & housekeeping equipment
 - (2) handwashing station or hand sanitation station
 - (3) handwashing station or hand sanitation station

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

Architectural Requirements

Building Systems Requirements

- 2.5-2.2.6.13 Consultation rooms
 - (1) min. floor area 100 sf
 - ratio one for each 12 beds or fewer
 - (2) designed for acoustical & visual privacy per Table 1.2-6
 - (3) dedicated rooms
 - or**
 - combined with visitor rooms
- 2.5-2.2.6.14 Conference room
 - (3) dedicated room
 - or**
 - combined with documentation area
- 2.5-2.2.6.15 Space for group therapy
 - dedicated space
 - min. 225 sf
 - or**
 - group therapy space combined with quiet activities space (only when psychiatric unit accommodates no more than 12 patients)
 - min. 225 sf

SUPPORT AREAS FOR STAFF

- 2.5-2.2.7
- 2.5-2.2.5.2 Location:
 - (1) support areas located in or readily accessible to each nursing unit
- 2.5-2.2.7.1 Staff lounge facilities
- 2.5-2.2.7.2 Staff toilet room
- 2.5-2.2.7.3 Staff Storage Locations:
 - securable closets or cabinet compartments for personal effects of nursing personnel immediately accessible to nurse station

SUPPORT AREAS FOR PATIENTS & VISITORS

- 2.5-2.2.8 Visitor room
 - min. floor area 100 sf
- 2.5-2.2.8.2 Social Spaces:
 - (1) at least two separate social spaces, one appropriate for noisy activities & one for quiet activities
 - Space Requirements:
 - combined area of these spaces
 - min. 25 sf per patient
 - min. 120 sf for each space
 - (2) Dining area
 - (a) dedicated dining area
 - min. 20 sf per patient
 - or**
 - combined with social space
 - min. 15 sf per patient is added
 - (b) Dining area
 - dedicated dining area
 - min. 20 sf per patient
 - or**
 - combined with social space
 - min. 15 sf per patient is added

Architectural Requirements

- 2.5-2.2.8.3 Patient laundry facilities
 - automatic washer and dryer
- 2.5-2.2.8.4 Patient storage facilities
 - staff-controlled secured storage area for patients effects that are determined to be potentially harmful

ELECTROCONVULSIVE THERAPY

- 2.5-3.4 check if not included in project
- 2.5-3.4.2 ECT Procedure Area:
 - 2.5-3.4.2.1 single procedure room
 - or**
 - suite of procedure rooms
 - 2.5-3.4.2.2 ECT procedure room
 - (1) Space Requirements:
 - min. clear floor area 200 sf
 - min. clear dimension 14'-0"
 - (2) handwashing station
 - (3) documentation area

Building Systems Requirements

- Ventilation:
 - Min. 15 air changes per hour
 - positive pressure
 - no recirculating room unit
- Power:
 - Emergency electrical service 2.5-3.4.9.2(1)
- Medical Gases:
 - 1 OX, 1 VAC (piped or portable)

Patient Care Areas:

- 2.5-3.4.3 pre-procedure patient care area
 - 2.5-3.4.3.1 check if not included in project
 - number & size of patient care stations determined by number of ECT procedures performed & anticipated staffing levels
 - 2.1-2.6.5.3 handwashing stations
 - (1) at least one 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

- 2.5-3.4.3.2 recovery area
 - check if not included in project
 - number & size of patient care stations determined by number of ECT procedures performed, types of anesthesia used, average recovery periods & anticipated staffing levels

- Power:
 - Emergency electrical service 2.5-3.4.9.2(1)
- Nurse Call:
 - Emergency staff assistance station 2.5-3.4.9.2(2)

Architectural Requirements

- 2.1-2.6.5.3 (1) handwashing stations
 - at least one 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
- 2.5-3.4.6.1 (1) Emergency equipment storage
 - space in procedure room for storage of emergency equipt such as CPR cart

Building Systems Requirements

Architectural Details & MEP Requirements

2.1-7.2.2 ARCHITECTURAL DETAILS

- 2.5-7.2.1.2 Special design consideration given to injury & suicide prevention
- 2.1-7.2.2.1 NFPA 101 **CORRIDOR WIDTH:**
 - Aisles, corridors & ramps required for exit access in a hospital not less than 6'-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 (1) **CEILING HEIGHT:**
 - Min. ceiling height 7'-6" in corridors & normally unoccupied spaces
- (3) Min. ceiling height 9'-0" in seclusion rooms
 - Min. ceiling height 7'-10" in other areas
- 2.5-7.2.2.3 (2) **DOORS & DOOR HARDWARE:**
 - Min. door openings for patient use clear width 2'-10"
 - (3) Door for private patient toilet rooms or bathing facilities swings out to allow for staff emergency access
 - (4) **Door Closers:**
 - (a) no door closers unless required by fire codes
 - (b) door closer on the patient bedroom door mounted on public side of door
 - or**
 - no door closer
 - (5) Door hinges designed to minimize points for hanging (i.e., cut hinge type)

- (6) Door lever handles
 - specifically designed anti-ligature hardware
 - or**
 - Point downward when in the latched or unlatched position
- (7) all hardware has tamper-resistant fasteners
- 2.1-7.2.2.3(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
- 2.1-7.2.2.3(1) (a) Min. 83.5" clear door height for patient rooms
 - (b) Swinging doors for personnel use in addition to sliding doors
 - check if not included in project
 - min. clear width 34.5"
 - (3) Lever hardware
 - (4) Doors for patient bathing/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**
 - (b) sliding door

- ___ toilet room door opening in public area or corridor maintains visual privacy
- ___ bathing room door opening in corridor maintains visual privacy

2.5-7.2.2.5

- WINDOWS:**
- (1) ___ Windows located in areas used by patients designed to limit the opportunities for patients to cause serious harm by breaking the windows
 - (a) ___ Glazing & glass mirrors fabricated with polycarbonate or laminate on the inside of the glazing
 - (b) ___ Borrowed lights fabricated with polycarbonate, laminate or tempered glass
 - (2) ___ Anchorage for windows & window assemblies, including frames, designed to resist impact loads applied from the inside per ANSI Z97.1
 - (3) ___ Outside window with min. net glazed area of no less than 8% of floor area in each social & dining space

2.1-7.2.2.5

- Windows in Patient Rooms:**
- (1) ___ Natural light by means of window to outside
 - (3) ___ Min. net glazed area no less than 8% of floor area of room served
 - (a) ___ Operable windows
 - check if not included in project
 - ___ operation limited with either stop limit/restrictor hardware or open guard/screen

2.1-7.2.2.6

- ___ insect screens
- 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

2.5-7.2.2.6

- Toilet Rooms & Bathrooms Hardware & Accessories:**
- ___ design for injury & suicide prevention for shower, bath, toilet & sink hardware & accessories, including grab bars & toilet paper holders
 - ___ grab bars
 - check if not included in project
 - (a) ___ anchored to sustain concentrated load of 250 lbs.
 - (b) ___ ligature-resistant
 - (2) ___ no towel bars
 - (b) ___ no shower curtain rods

2.5-7.2.2.7

- Fire Sprinklers & Other Protrusions:**
- (1) ___ in patient areas, fire sprinklers designed to minimize patient tampering
 - (2) ___ in patient toilet rooms & bathing facilities, light fixtures, fire sprinklers, electrical receptacles & other appurtenances of tamper-resistant type

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) ___ Smooth non-textured surface free of rough edges
 - (5) ___ Eased edges & corners
 - (6) ___ Finishes cleanable

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	SURFACES	2.1-7.2.3.5	Patient Rooms, Toilet Rooms & Seclusion Rooms: <input type="checkbox"/> Ceiling & air distribution devices, lighting fixtures, sprinkler heads & other appurtenances of tamper-resistant type
2.1-7.2.3.1	FLOORING & WALL BASES:	2.5-7.2.4.1	Built-In Furnishings:
(1)	<input type="checkbox"/> Selected flooring surfaces cleanable & wear-resistant for location	(1)	<input type="checkbox"/> Constructed to minimize potential for injury, suicide, or elopement
(2)	<input type="checkbox"/> Smooth transitions between different flooring materials	(2)	<input type="checkbox"/> No doors or drawers
(3)	<input type="checkbox"/> Flooring surfaces, including those on stairways, stable, firm & slip-resistant	(3)	<input type="checkbox"/> Open shelves fixed with tamper-resistant hardware
(b)	<input type="checkbox"/> Carpet <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> provides stable & firm surface	2.5-7.2.4.3	Window Treatments: <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> designed without accessible anchor points
(4)	<input type="checkbox"/> Floors & wall bases of soiled workrooms, toilet rooms & other wet cleaned areas are not physically affected by cleaning solutions	2.1-8.2	HEATING, VENTILATION, & AIR-CONDITIONING (HVAC) SYSTEMS
2.1-7.2.3.2	WALLS & WALL PROTECTION:	4/6.3.1	Outdoor Air Intakes:
(1)	<input type="checkbox"/> Washable wall finishes	4/6.3.1.1	<input type="checkbox"/> Located min. 25 feet from cooling towers & all exhaust & vent discharges <input type="checkbox"/> Bottom of air intake is at least 6'-0" above grade
(a)	<input type="checkbox"/> Wall finishes near plumbing fixtures smooth, scrubbable & water-resistant	4/6.3.1.2	Roof Mounted Air Intakes: <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> bottom min. 3'-0" above roof level
(b)	<input type="checkbox"/> Monolithic wall surfaces in areas routinely subjected to wet spray or splatter	4/6.4	Filtration:
(2)	<input type="checkbox"/> Inpatient rooms, seclusion rooms, patient rooms, patient bedrooms, patient toilet rooms, or patient bathing facilities	4/6.4.1	<input type="checkbox"/> Filter banks conform to Table 6.4 <input type="checkbox"/> Filter Bank #1 placed upstream of heating & cooling coils
2.5-7.2.3.3	CEILINGS:	4/6.4.2	<input type="checkbox"/> Filter Bank No. 2 installed downstream of cooling coils & supply fan
(1)	<input type="checkbox"/> No acoustic tile ceilings in seclusion rooms, patient bedrooms, patient toilet rooms, or patient bathing facilities	4/6.7	Air Distribution Systems:
(a)	<input type="checkbox"/> in these rooms, ceiling secured from patient access	4/6.7.1	<input type="checkbox"/> Ducted return or exhaust systems in spaces listed in Table 7.1 with required pressure relationships <input type="checkbox"/> Ducted return or exhaust systems in inpatient care areas
(b)	<input type="checkbox"/> Mechanical, electrical & plumbing systems, other than terminal elements serving the room, concealed above ceiling	4/6.7.3	Smoke & Fire barriers:
(2)	<input type="checkbox"/> In seclusion rooms, bedrooms, patient toilet rooms & patient bathing facilities, ventilation grilles secured using tamper-resistant fasteners & have perforations or openings to eliminate ligature points	4/6.8	<input type="checkbox"/> HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers
(3)	<input type="checkbox"/> Monolithic ceilings in seclusion rooms	4/6.8.2	Energy Recovery Systems:
2.1-7.2.3.3	CEILINGS:	4/6.9	<input type="checkbox"/> Exhaust systems serving potentially contaminated rooms are not used for energy recovery
(1)	<input type="checkbox"/> Ceilings in areas occupied by patients, in clean rooms, soiled rooms:		Duct Lining:
(a)	<input type="checkbox"/> cleanable with routine housekeeping equipment		<input type="checkbox"/> No duct lining in ductwork located downstream of Filter Bank #2
(b)	<input type="checkbox"/> acoustic & lay-in ceilings <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> do not create ledges or crevices		

4/7.	Space Ventilation:	(3)	___ New panelboards not located in exit enclosures
4/7.1	___ Spaces ventilated per Table 7.1	2.5-8.3.3.1	EMERGENCY ELECTRICAL SERVICE
	___ Air movement from clean areas to less clean areas	(3)	___ Emergency electrical source provides lighting & power during an interruption of normal electrical supply
	___ Min. number of total air changes indicated either supplied for positive pressure rooms or exhausted for negative pressure rooms	2.1-8.3.3.1	
	___ Recirculating room HVAC units	(1)	___ Emergency power per NFPA 99, NFPA 101 & NFPA 110
	___ <input type="checkbox"/> check if <u>not</u> included in project	2.5-8.3.4	LIGHTING
	___ each unit serves only single space	2.5-8.3.4.2	___ Patient bedrooms have general lighting & night lighting
	___ min. MERV 6 filter for airflow downstream of cooling coils	(1)	___ at least 1 nightlight fixture in each bedroom controlled at room entrance
4/7.6	Psychiatric Patient Areas:	(2)	___ Corridors in nursing units have general illumination with provisions for reducing light levels at night
	___ Exposed equipment enclosures have rounded corners & tamper-resistant fasteners	(3)	___ Exterior lighting at approaches to buildings & parking lots
	___ Equipment arranged for maintenance access separate from patient care spaces (except for HVAC room recirculating units)	2.1-8.3.4.2	___ Light fixtures in wet areas have smooth, cleanable, shatter-resistant lenses & no exposed lamps
2.1-8.2.1.1	Acoustic Considerations:	2.1-8.3.4.3	Patient Rooms:
(5)	___ Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade	(1)	___ general lighting
2.1-8.2.1.2	Ventilation & Space-Conditioning:	(a)	___ reading light for each patient
(1)	___ All rooms & areas used for patient care have provisions for ventilation		___ controls accessible to patient in bed
(2)	___ Natural ventilation only provided in non-sensitive areas & patient rooms via operable windows	(b)	___ light source covered by diffuser or lens
	___ <input type="checkbox"/> check if <u>not</u> included in project		___ night lighting
	___ Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4	(2)	___ switch in patient room
2.1-8.3	ELECTRICAL SYSTEMS		___ lights path from room entrance to bed
2.1-8.3.2	ELECTRICAL DISTRIBUTION & TRANSMISSION		___ lights path from bed to toilet
2.1-8.3.2.1	Switchboards Locations:	(2)	Nursing Unit Corridors:
(1)			___ general illumination with reduced light levels at night
(a)	___ Located in areas separate from piping & plumbing equipment	2.1-8.3.5	ELECTRICAL EQUIPMENT
(b)	___ Not located in rooms they support	2.5-8.3.5.1	___ Design for injury & suicide prevention for fixtures, electrical outlets, electrical appliances, nurse call systems & staff emergency assistance
(c)	___ Accessible to authorized persons only	2.1-8.3.5.2	___ Required handwashing station tied to building electrical service
	___ Located in dry, ventilated space free of corrosive gases or flammable material		<input type="checkbox"/> check if <u>not</u> included in project
2.1-8.3.2.2	Panelboards:		___ connected to essential electrical system
(1)	___ Panelboards serving life safety branch emergency circuits only serve same floor, floor above & floor below	2.1-8.3.6	ELECTRICAL RECEPTACLES
(2)	___ Panelboards serving critical branch emergency circuits only serve same floor	2.5-8.3.6	Bedroom Receptacles:
		2.5-8.3.6.1	___ tamper-resistant
		(1)	___ all controlled by single switch outside room & under control of staff
		(2)	

- (3) ground-fault circuit interrupter receptacles
or
 on circuit protected by ground-fault circuit breaker

- 2.1-8.3.6.1 Receptacles in Corridors:
 (1) duplex grounded receptacles installed approx. 50'-0" apart
 duplex grounded receptacles installed approx. within 25'-0" of corridor ends
- (2) receptacles in pediatric & psychiatric unit corridors of tamper-resistant type
- 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
- 2.5-8.3.7 **CALL SYSTEMS**
 check if not included in project
- 2.5-8.3.7.2
 (a) Provisions made for easy removal or covering of call buttons
 (b) All hardware tamper-resistant fasteners
 (c) Calls shall activate visible signal in corridor at patient's door & at an annunciator panel at nurse station or other appropriate location
 In multi-corridor nursing units, additional visible signals installed at corridor intersections
- (d) Length of call cords 6 inches or less
- 2.1-8.3.7.1
 (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

- 2.1-8.4.2 **PLUMBING & OTHER PIPING SYSTEMS**

- 2.1-8.4.2.5
 (2) Heated Potable Water Distribution Systems:
 systems serving patient care areas are under constant recirculation
 non-recirculated fixture branch piping does not exceed 25'-0" in length
 no dead-end piping
 water-heating system has supply capacity at minimum temperatures & amounts indicated in Table 2.1-3
- (3) **or**
 handwashing stations supplied as required above
 handwashing stations supplied at constant temperature between 70°F & 80°F using single-pipe supply
- 2.1-8.4.2.6
 (1) Drainage Systems:
 drainage piping above ceiling of, or exposed in electric closets
 check if not included in project
 special provisions to protect space below from leakage & condensation
- 2.1-8.4.3 **PLUMBING FIXTURES**
- 2.5-8.4.2 Plumbing Fixtures:
 design for injury & suicide prevention for shower, bath, toilet & sink plumbing fixtures
 shower heads flush-mounted
- 2.1-8.4.3.1(1) Materials material used for plumbing fixtures non-absorptive & acid resistant
- 2.1-8.4.3.2
 (1) Handwashing Station Sinks:
 basins reduce risk of splashing to areas where direct patient care is provided & 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

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

2.1-8.6.2

ELECTRONIC SURVEILLANCE SYSTEMS

check if not included in project

- (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

2.1-8.6.2.1

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

2.1-8.4.3.3

Showers & Tubs:

- (1) nonslip walking surfaces

2.1-8.4.3.4

Ice-Making Equipment:

- copper tubing provided for supply connections