COMPLIANCE CHECKLIST

IP11 Psychiatric Patient 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 2018 Edition of the FGI Guidelines for Design and Construction of Hospitals. Applicants must verify compliance of the plans submitted to the Department with all referenced requirements from the Licensure Regulations and FGI Guidelines when completing this Checklist. A separate Checklist must be completed for each nursing unit, hospital or clinical department, or clinical suite.

Other jurisdictions, regulations and codes may have additional requirements which are not included in this checklist, such as:
- State Building Code (780 CMR)
- Accreditation requirements of The Joint Commission
- CDC Guidelines for Preventing the Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797 & Regulations of the Massachusetts Board of Registration in Pharmacy
- Occupational Safety & Health Standards (OSHA)
- Accessibility Guidelines of the Americans with Disabilities Act (ADA)
- Architectural Access Board Regulations (521 CMR)
- Local Authorities having jurisdiction.

Instructions:
1. All requirement lines must be completed according to the following instructions and included in the plan submissions for Self-Certification Process or Abbreviated Review Process.
2. This checklist must be completed by the project architect or engineer based on the design actually reflected in the plans at the time of completion of the checklist.
3. Each requirement line (___) of this Checklist must be completed exclusively with one of the following marks, unless otherwise directed in the checklist. If a functional space is not affected by a renovation project, the mark “E” may be indicated on the requirement line (___) before the name of the functional space (associated requirements on indented lines below that name, or associated MEP requirements do not have to be completed in this case). If more than one functional space serves a given required function (e.g. patient room or exam room), that clarification should be provided in the Project Narrative, and the requirement lines are understood to only address the functional spaces that are involved in the project.

X = Requirement is met, for new space, for renovated space, or for existing direct support space for an expanded service.

E = Requirement relative to an existing suite or area that has been licensed for its designated function, is not affected by the construction project and does not pertain to a required direct support space for the specific service affected by the project. “E” must not be used for an existing required support space associated with a new patient care room or area.

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

W = Waiver requested for specific section of the Regulations or FGI Guidelines, where hardship in meeting requirement can be demonstrated (a Physical Plant Waiver Form must be completed for each waiver request). An explicit floor plan or plan detail must be attached to each waiver request.

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

Facility Name:__________________________________________________________

Facility Address:________________________________________________________

Satellite Name: (if applicable)_____________________________________________

Satellite Address: (if applicable)____________________________________________

Project Description:__________________________________________________________________________

MDPH/DHCFLC 01/21 IP11
### Architectural Requirements

#### PSYCHIATRIC PATIENT CARE UNIT

- **2.2-2.12**
  - **2.2-2.12.1.2** Environment of Care:
    - ___ facility provides therapeutic environment appropriate for planned treatment programs

- **2.2-2.12.1.3** Safety & Security:
  - 1.2.4.6.2.2(1) ___ patient environment designed to protect the privacy, dignity, & health of patients
  - ___ patient environment designed to address the potential risks related to patient elopement & harm to self, others, & the environment

- **2.2-2.12.1.4** Shared Facilities:
  - ___ adult & pediatric patient populations are kept separate (nurse stations or support areas may be shared)

#### PSYCHIATRIC PATIENT ROOM

- **2.5-2.2.2.1** Capacity:
  - ___ maximum room capacity of two patients

- **2.5-2.2.2.2** Space Requirements:
  - (1) Single-Patient Rooms:
    - □ check if not included in project
    - ___ min. clear floor area 100 sf
  - (2) Multiple-Patient Rooms:
    - □ check if not included in project
    - ___ min. clear floor area 80 sf per bed

- **2.5-2.2.2.3** Windows in Patient Rooms:
  - (1) each patient room provided with natural light by means of window to outside
  - (2) operable windows in patient rooms
    - □ check if not included in project
    - ___ window operation is limited with either stop limit/restrictor hardware or open guard/screen
    - ___ prevents passage of 4-inch diameter sphere through opening
  - (3) insect screens

- **2.1-7.2.2.5(1)**
  - ___ min. net glazed area be no less than 8% of required min. clear floor area

- **2.1-7.2.2.5(2)**
  - ___ max. 36" windowsill height above finished floor

### Building Systems Requirements

- **Ventilation:**
  - Min. 4 air changes per hour — Table 7.1

- **Lighting:**
  - General lighting
    - ___ Reading light for each patient bed
    - ___ controls accessible to patients in bed
  - Night-light located in each patient room
    - (a) no central control of night-lights outside room
    - (b) night-light illuminates path from room entrance to bedside
    - night-light illuminates path between bed & toilet room

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### Architectural Requirements

#### 2.5.2.2.6 Patient toilet room

1. **(1)** Each patient has access to toilet room without having to enter corridor or no direct access to toilet room in specific patient bedrooms where use of corridor access is part of written Clinical Risk Assessment & Management Program.
   - Copy of Clinical Risk Assessment & Management Program is attached to Project Narrative.

2. **(2)** Toilet room serves no more than 2 patient bedrooms & no more than 4 patients.

3. **(3)** Toilet & handwashing station.

4. **(4)** Toilet Room Doors:
   - Keyed locks that allow staff to control access to toilet room.
   - Swing-type door.

5. **(5)** ADA Compliant Toilet Rooms:
   - Thresholds designed to facilitate use & to prevent tipping of wheelchairs & other portable wheeled equipment by patients & staff.
   - Grab bars designed to facilitate use & to be ligature-resistant.
   - Entry door provides space for health care providers to transfer patients to toilet using portable mechanical lift.

### Building Systems Requirements

#### Ventilation:

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

#### 2.5.2.2.7 Patient Bathing Facilities:

- Bathtub or shower provided in patient care unit for each 6 beds not otherwise served by bathing facilities at patient bedrooms.

#### 2.5.2.2.8 Patient storage

- Separate wardrobe locker or closet for each patient.
- Shelves for folded garments instead of arrangements for hanging garments.
- Storage for daily change of clothes for seven days.
Compliance Checklist: Psychiatric Patient Care Unit

Architectural Requirements

2.2-2.12.4.1 **ELECTROCONVULSIVE THERAPY (ECT)**
☐ check if not included in project

2.5-3.4.2.2 ___ ECT treatment room
(1) Space Requirements:
   ___ min. clear floor area 200 sf
   ___ min. clear dimension of 14'-0"
(2) ___ handwashing station
(3) ___ documentation area

2.5-3.4.3 ___ Pre- & post-treatment patient care areas
2.1-3.4.1.1 ___ patient care stations accommodate lounge chairs, gurneys or beds for pre- & post-procedure (recovery) patient care as well as seating space for family/visitors
2.1-3.4.1.4(1) at least two patient care stations for each procedure room

2.1-3.4.2 Patient Care Station Design:
2.1-3.4.2.1 ___ bays, cubicles or single-patient rooms permitted to serve as patient care stations

2.1-3.4.2.2 Space Requirements:
(2)(a) ___ patient care bays
   □ check if not included in project
   ___ min. clearance 5'-0" between sides of patient beds/gurneys/ lounge chairs
   ___ min. clearance 3'-0" between sides of patient beds/gurneys/ lounge chairs & adjacent* walls or partitions
   ___ min. clearance 2'-0" between foot of patient beds/gurneys/ lounge chairs & cubicle curtain
   Ventilation:
   ___ Min. 6 air changes per hour Table 7.1
   ___ Min. 4 air changes per hour Table 7.1
   Power:
   ___ Min. 8 receptacles in total Table 2.1-1
   ___ Min. 8 receptacles convenient to table placement with at least one on each wall
   ___ Emergency power receptacles 2.5-3.4.7.2
   Nurse Call System:
   ___ Staff assistance station Table 2.1-2
   Emergency call station
   Medical Gases:
   ___ 1 OX, 1 VAC Table 2.1-3

(2)(b) ___ patient care cubicles
   □ check if not included in project
   ___ min. clearance 3'-0" between sides of patient beds/gurneys/ lounge chairs & adjacent* walls or partitions
   Ventilation:
   ___ Min. 6 air changes per hour Table 7.1
   ___ Min. 6 air changes per hour Table 7.1
   Power:
   No recirculating room units

Building Systems Requirements

Ventilation:
___ Min. 4 air changes per hour Table 7.1

Lighting:
___ Emergency power lighting 2.5-3.4.7.2

Power:
___ Min. 12 receptacles in total Table 2.1-1
___ Min. 8 receptacles convenient to table placement with at least one on each wall
___ Emergency power receptacles 2.5-3.4.7.2

Nurse Call System:
___ Staff assistance station Table 2.1-2
Emergency call station

Medical Gases:
___ 1 OX, 3 VAC, 1 MA per station Table 2.1-3

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Architectural Requirements

- Min. clearance 2'-0" between foot of patient beds/gurneys/lounge chairs & cubicle curtain

- Bays or cubicles face each other
  - [ ] check if not included in project
  - Min. clearance 3'-0" between sides & foot of beds/gurneys/lounge chairs & adjacent* walls or partitions

Building Systems Requirements

- Min. 8 receptacles in total
  - Convenient to head of gurney or bed

Nurse Call System:

- Staff assistance station

Emergency call station

Medical Gases:

- 1 OX, 3 VAC, 1 MA per station

Table 2.1

Ventilation:

- Min. 6 air changes per hour
  - No recirculating room units

Power:

- Min. 8 receptacles in total
  - Convenient to head of gurney or bed

Nurse Call System:

- Staff assistance station

Emergency call station

Medical Gases:

- 1 OX, 3 VAC, 1 MA per station

Table 2.1

Patient Privacy:

- Provisions are made to address patient visual & speech privacy

Handwashing stations

- Located in each room where hands-on patient care is provided

- Handwashing station serves multiple patient care stations
  - [ ] check if not included in project

- At least 1 handwashing station for every 4 patient care stations or fewer & for each major fraction thereof

- Handwashing stations evenly distributed

Emergency equipment storage

Table 2.1
Architectural Requirements

SECLUSION ROOM

2.2-2.12.4.3
____ Designed for short-term occupancy

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 on each psychiatric unit
(c) ____ facility has more than one psychiatric patient care unit

☐ check if not included in project
___ number of seclusion rooms is a function of total number of psychiatric beds in facility

(2) (a) ____ Located to permit observation from nurse station

2.1-2.4.3.2

Space Requirements:

(1)
___ min. wall length 7'-0"
___ max. wall length 11'-0"

(2)
___ room used for restraining patients
___ min. clear floor area 80 sf
or
___ room not used for restraining patients
___ min. clear floor area 60 sf

2.1-2.4.3.1(3)

Anteroom
___ provides access to seclusion room & toilet room

2.1-2.4.9

Special Design Elements:

____ designed & constructed to avoid features that enable patient hiding, escape, injury or suicide

(1)(a) ____ walls ceiling & floor designed to withstand direct & forceful impact

(1)(b) ____ min. ceiling height 9'-0"

(1)(c) ____ door to seclusion room swings out

2.1-7.2.2.3(2)

Door Opening:
(a) ____ min. 45.5" clear door width
____ min. 83.5" clear door height

____ doors permit staff observation of patient through view panel
____ provisions for patient privacy
____ view panel made of fixed glazing with polycarbonate or laminate on inside of glazing

(1)(d) ____ seclusion rooms do not contain outside corners or edges

(2)(a) ____ all items including lighting fixtures, sprinkler heads, HVAC grilles & surveillance cameras tamper-resistant & designed to prevent injury to patient

(2)(b) ____ no electrical switches or receptacles

Building Systems Requirements

Ventilation:

____ Min. 4 air changes per hour Table 7.1

Nurse Call System:

____ Staff assistance station Table 2.1-2
____ Emergency call station + Errata
2.2.2.12.8 SUPPORT AREAS FOR PSYCHIATRIC PATIENT CARE UNIT

2.5-2.2.8.1(1) Support areas listed are located in or readily accessible* to each patient care unit unless otherwise noted.

2.5-2.2.8.1(2) Support areas provided on each patient care floor (may serve more than one unit).

2.5-2.2.8.2 Administrative center or nurse station

2.1-2.8.2.1(1) Space for counters.

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

2.5-2.2.8.3 Documentation area

2.5-2.2.8.4 Office for staff

2.5-2.2.8.5 Multipurpose room

2.5-2.2.8.8 Medication safety zone

2.1-2.8.8.1(2) Design Promoting Safe Medication Use:

   (a) Medication safety zones located out of circulation paths.

   (b) Work space designed so that staff can access information & perform required tasks.

   (c) Work counters provide space to perform required tasks.

   (e) Sharps containers placed at height that allows users to see top of container.

   (f) Max. 45 dBA noise level caused by building systems.

2.1-2.8.8.2(1) Medication preparation room

   (a) Under visual control of nursing staff.

   (b) Work counter.

   (c) Handwashing station.

   (d) Lockable refrigerator.

   (e) Locked storage for controlled drugs.

   (f) Sharps containers.

   Check if not included in project.

2.1-2.8.8.2(2) Self-contained medication-dispensing unit.

   (a) Check if not included in project.

   (b) Room designed with space to prepare medications.

   (c) Or

Building Systems Requirements

Nurse Call System:

   Nurse master station

Table 2.1-2

Ventilation:

   Min. 4 air changes per hour

Table 7.1

Lighting:

   Task lighting

2.1-2.8.8.1(2)(d)
<table>
<thead>
<tr>
<th><strong>Architectural Requirements</strong></th>
<th><strong>Building Systems Requirements</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-2.8.8.2(2)</td>
<td></td>
</tr>
<tr>
<td>(a)</td>
<td>— automated medication-dispensing unit</td>
</tr>
<tr>
<td></td>
<td>— located at nurse station, in clean workroom or in alcove</td>
</tr>
<tr>
<td>(c)</td>
<td>— handwashing station located next to stationary medication-dispensing units or stations</td>
</tr>
<tr>
<td>2.5-2.2.8.9</td>
<td>Nourishment Area:</td>
</tr>
<tr>
<td>(1)</td>
<td>— nourishment station</td>
</tr>
<tr>
<td>or</td>
<td>— kitchenette designed for patient use</td>
</tr>
<tr>
<td>(2)</td>
<td>— handwashing station located next to stationary medication-dispensing units or stations</td>
</tr>
<tr>
<td>(3)</td>
<td>— kitchen area</td>
</tr>
<tr>
<td>(a)</td>
<td>— handwashing station located next to stationary medication-dispensing units or stations</td>
</tr>
<tr>
<td>(b)</td>
<td>— secured storage</td>
</tr>
<tr>
<td>(c)</td>
<td>— refrigerator</td>
</tr>
<tr>
<td>(d)</td>
<td>— facilities for meal preparation and/or service</td>
</tr>
<tr>
<td>2.5-2.2.8.10</td>
<td>— Ice-making equipment</td>
</tr>
<tr>
<td>2.5-2.2.8.11</td>
<td>— Clean workroom or clean supply room</td>
</tr>
<tr>
<td>2.1-2.8.11.2</td>
<td>— clean workroom</td>
</tr>
<tr>
<td></td>
<td>— used for preparing patient care items</td>
</tr>
<tr>
<td>(1)</td>
<td>— work counter</td>
</tr>
<tr>
<td>(2)</td>
<td>— handwashing station</td>
</tr>
<tr>
<td>(3)</td>
<td>— storage facilities for clean &amp; sterile supplies</td>
</tr>
<tr>
<td>or</td>
<td>— clean supply room</td>
</tr>
<tr>
<td></td>
<td>— used only for storage &amp; holding as part of system for distribution of clean &amp; sterile supplies</td>
</tr>
<tr>
<td>2.1-2.8.11.3</td>
<td>Ventilation:</td>
</tr>
<tr>
<td></td>
<td>— Min. 4 air changes per hour</td>
</tr>
<tr>
<td></td>
<td>— Positive pressure</td>
</tr>
<tr>
<td>2.5-2.2.8.12</td>
<td>— Soiled workroom or soiled holding room</td>
</tr>
<tr>
<td>2.1-2.8.12.2</td>
<td>— soiled workroom</td>
</tr>
<tr>
<td>(1)(a)</td>
<td>— handwashing station</td>
</tr>
<tr>
<td>(1)(b)</td>
<td>— flushing-rim clinical service sink with bedpan-rinsing device or equivalent flushing-rim fixture</td>
</tr>
<tr>
<td>(1)(c)</td>
<td>— work counter</td>
</tr>
<tr>
<td>(1)(d)</td>
<td>— space for separate covered containers for waste &amp; soiled linen</td>
</tr>
<tr>
<td>(2)</td>
<td>— fluid management system is used</td>
</tr>
<tr>
<td></td>
<td>— check if not included in project</td>
</tr>
<tr>
<td>(a)</td>
<td>— electrical &amp; plumbing connections that meet manufacturer requirements</td>
</tr>
<tr>
<td>(b)</td>
<td>— space for docking station</td>
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<tr>
<td>or</td>
<td></td>
</tr>
</tbody>
</table>

Lighting: 2.1-2.8.8.1(2)(d)

Ventilation:

| — Min. 10 air changes per hour |
| — Min. 4 air changes per hour |
| — Exhaust |
| — Negative pressure |
| — No recirculating room units |

Table 7.1
Architectural Requirements

2.1-2.8.12.3
   ___ soiled holding room

(1) ___ handwashing station or hand sanitation station
(2) ___ space for separate covered containers for waste & soiled linen

2.5-2.2.8.13(1) ___ Clean linen storage
2.1-2.8.13.1(1)
   ___ stored in clean workroom
   or
   ___ separate closet
   or
   ___ covered cart distribution system on each floor
2.1-2.8.13.1(2)
   ___ storage of clean linen carts in designated corridor alcoves, clean workroom or closets

2.5-2.2.8.13(3) ___ Wheelchair storage space

2.1-2.8.13.4 ___ Emergency equipment storage
(1) ___ each patient care unit has at least one emergency equipment storage location
(2) ___ provided under visual observation of staff
(3) ___ storage locations in corridors do not encroach on min. required corridor width

2.5-2.2.8.13(5) ___ Administrative supplies storage

2.5-2.2.8.14(1) ___ Environmental services room
2.5-2.2.8.14(2)
   ___ located outside patient care unit on same floor
   or
   ___ located in patient care unit
   ___ designed to minimize risk to patient population

2.1-2.8.14.2
(1) ___ service sink or floor-mounted mop sink
(2) ___ provisions for storage of supplies & housekeeping equipment
(3) ___ handwashing station
   or
   ___ hand sanitation station

2.5-2.2.8.16 ___ Consultation rooms
(1) ___ min. clear floor area of 100 sf
   ___ one consultation room for each 12 psychiatric beds or fewer
(2) ___ designed for acoustic & visual privacy
   ___ sound insulation per See Table 1.2-6
(3) ___ dedicated rooms
   or
   ___ combined with visitor room

2.5-2.2.8.17 ___ Conference & treatment planning room

Building Systems Requirements

Ventilation:
___ Min. 10 air changes per hour Table 7.1
___ Exhaust
___ Negative pressure
___ No recirculating room units
Architectural Requirements

2.5.2.2.8.18  Space for group therapy
   ___ serves more than 12 patients
   ___ dedicated room where unit
   or
   ___ serves no more than 12 patients
   ___ combined with quiet activity space
   ___ at least 225 sf of enclosed private
   space is available for group
   therapy activities

2.2.12.9  SUPPORT AREAS FOR STAFF
2.5.2.2.9.1  ___ Staff lounge facilities
2.5.2.2.9.2  ___ Staff toilet room

2.5.2.2.9.3  ___ Staff storage locations
   ___ securable closets or cabinet
   compartments for personal effects of
   nursing personnel
   ___ immediately accessible* to
   administrative center or nurse station

2.2.12.10  SUPPORT AREAS FOR PATIENTS & VISITORS
2.5.2.2.10.1  ___ Visitor room
   ___ min. floor area of 100 sf

2.5.2.2.10.2  Social Spaces:
   (1)  ___ at least two separate social spaces one
        appropriate for noisy activities & one for
        quiet activities
        ___ combined area of these spaces min. 25 sf
        per patient
        ___ at least 120 sf for each of two spaces

   (2)(a)  ___ Dining area
   (2)(b)  ___ dedicated space
           ___ 20 sf per patient provided for
           dining
           or
           ___ social space used for dining activities
           ___ additional 15 sf per patient (total
           40 sf for two social spaces)

2.5.2.2.10.3  ___ patient laundry facilities
   ___ equipped with washer & dryer

2.5.2.2.10.4  ___ Patient storage facilities
   (1)  ___ staff-controlled secured storage area
        provided for patients effects determined
        to be potentially harmful (may be
        combined with clean workroom or clean
        supply room)
   (2)

2.5.2.2.10.5  ___ Space for locked storage of visitor belongings
**LOCATION TERMINOLOGY:**

- **Directly accessible:** Connected to the identified area or room through a doorway, pass-through, or other opening without going through an intervening room or public space
- **Adjacent:** Located next to but not necessarily connected to the identified area or room
- **Immediately accessible:** Available either in or adjacent to the identified area or room
- **Readily accessible:** Available on the same floor or in the same clinic as the identified area or room

### Architectural Details & MEP Requirements Specific to Psychiatric Patient Care Units

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<th>Requirement</th>
<th>Details</th>
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<td><strong>2.5-7.2.2</strong></td>
<td><strong>ARCHITECTURAL DETAILS</strong></td>
</tr>
<tr>
<td><strong>2.5-7.2.2.1</strong></td>
<td><strong>CORRIDOR WIDTH:</strong></td>
</tr>
</tbody>
</table>
| NFPA 101, 18.2.3.4 | Aisles, corridors & ramps required for exit access for an acute patient care unit are not less than 8'-0" in clear & unobstructed width  
☐ check if not included in project  
or  
Detailed code review incorporated in Project Narrative  
Aisles, corridors & ramps required for exit access in a psychiatric unit are not less than 6'-0" in clear & unobstructed width  
or  
Detailed code review incorporated in Project Narrative  
Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width  
or  
Detailed code review incorporated in Project Narrative  |
| **2.5-7.2.2.3** | **DOORS & DOOR HARDWARE:** |
| (2) Door openings for patient use have min. clear width of 34 inches  
(3) Doors to private patient toilet rooms or bathing facilities swing out, are double-acting with emergency strike or have other barricade-resistant provisions to allow for staff emergency access |
| **2.5-7.2.2.5** | **WINDOWS:** |
| (1) Windows located in areas used by patients are designed to limit opportunities for patients to seriously harm themselves  
☐ Glass mirrors fabricated with polycarbonate or laminate on inside of glazing  
☐ Glazing meets or exceeds requirements for Class 1.4 per ASTM F1233  
☐ All glazing for borrowed lights fabricated with polycarbonate, laminate or tempered glass  
Window Assembly: (includes anchorage, frame & hardware)  
☐ designed to resist impact loads of 2,000 foot-pounds applied from inside  
☐ tested in accordance with AAMA 501.8  
☐ Min. net glazed area of no less than 8% of floor area of each social & dining space |
| **2.5-7.2.2.1** | **Door Closers:** |
| NFPA 101, 18.2.3.4 | ☐ check if not included in project  
☐ door closer devices required for patient care reasons on patient bedroom door  
☐ mortised type or surface mounted on public side of door rather than private patient side of door  |
| **2.5-7.2.2.1** | **Door Hinges:** |
| NFPA 101, 18.2.3.5 | ☐ Door hinges be designed to minimize points for hanging (i.e. cut hinge type)  
☐ Door hinges consistent with level of care for patient  |
| **2.5-7.2.2.2** | **Fasteners:** |
| (5) Door hinges  
(6) Fasteners:  
☐ all hardware have tamper-resistant fasteners |

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2.5-7.2.2.6 PATIENT TOILET/BATHING ROOMS:
   (1) hardware & accessories designed to prevent injury & suicide
   (2)(a) grab bars anchored to sustain concentrated load of 250 pounds
   (2)(b) no towel bars
   (2)(c) no shower curtain rods
   (2) no lever handles (except where specifically designed anti-ligature lever handle is used)

2.5-7.2.2.7 FIRE SPRINKLERS & OTHER PROTRUSIONS:
   (1) Fire sprinklers in patient areas are designed to minimize patient tampering
   (2) In patient toilet rooms & bathing facilities light fixtures, fire sprinklers, electrical receptacles & other appurtenances are tamper/ligature-resistant types

2.5-7.2.3 SURFACES:
2.5-7.2.3.3 Ceilings in Seclusion Rooms, Patient Bedrooms, Toilet Rooms & Bathing Facilities:
   (1) monolithic ceilings
   (a) ceiling secured from patient access
   (b) mechanical electrical & plumbing systems other than terminal elements serving room are concealed above ceiling
   (2) Ventilation grilles in seclusion rooms, bedrooms, patient toilet rooms & bathing facilities are designed to prevent them from being used as ligature points
   (3) Ceiling access doors are without gaps & secured with keyed lock and/or tamper-resistant fasteners

2.1-8.1.1 Ceiling & air distribution devices, lighting fixtures, sprinkler heads & other appurtenances are of tamper- & ligature-resistant type in patient rooms, toilet rooms & seclusion rooms

2.5-7.2.4 FURNISHINGS:
2.5-7.2.4.1(1) Built-in furnishings constructed to minimize potential for injury, suicide or elopement
   (1) no doors or drawers
   (2) open shelves fixed with tamper-resistant hardware

2.5-7.2.4.2 no clothing rods
   (1) robe or towel hooks designed for ligature resistance
   □ check if not included in project

2.5-7.2.4.3 Window treatments in patient areas
   □ check if not included in project
   □ designed without accessible anchor points or cords

2.1-8.2 HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS
   Part 3/7.6 Exposed equipment located in patient areas have enclosures with rounded corners & tamper-resistant fasteners
   HVAC equipment arranged so that maintenance personnel are not required to enter patient care spaces for service (except for any room recirculating units)

2.5-8.3 ELECTRICAL SYSTEMS
2.5-8.3.4 LIGHTING:
   (1) Patient bedrooms have general lighting & night lighting
   □ at least one nightlight fixture in each bedroom is controlled at room entrance

2.5-8.3.6 RECEPTACLES:
   (1) □ check if not included in project
   (2) tamper-resistant
   (3) controlled by single switch under control of staff outside room
   (4) □ equipped with ground-fault circuit interrupter devices
   or
   □ on circuit protected by ground-fault circuit breaker

2.5-8.4 PLUMBING SYSTEMS
   (1) □ check if patient use call system is not included in project
   (2) □ Staff response call systems low voltage with limited current
   (3) □ Controls to limit unauthorized use
   □ check if not included in project

2.5-8.5.1 CALL SYSTEMS
   □ check if patient use call system is not included in project
   (1) □ Staff response call systems low voltage with limited current
   (2) □ Controls to limit unauthorized use
   □ check if not included in project

2.5-8.5.1.2 Provisions for easy removal or covering of call buttons
   □ All hardware have tamper-resistant fasteners
### Signal Location:
- (a) Calls activate visible signal in corridor at patient room door and at annunciator panel at nurse station
- (b) In multi-corridor units, additional visible signals are installed at corridor intersections
- (4) Call cords or strings max. 6 inches

### Emergency Call System
- (1) Signal activated by staff will initiate visible & audible signal distinct from regular nurse call system
- (2) Signal activates annunciator panel at nurse station & distinct visible signal in corridor at door to room where signal was initiated

### ELECTRONIC SAFETY & SECURITY SYSTEMS

#### Fire Alarm System:
- Fire extinguisher cabinets & fire alarm pull stations located in staff areas
- Or secured in patient-accessible locations

### ELEVATORS
- Elevator call buttons & car buttons are key-controlled
- ☐ check if not included in project (only if allowed by safety risk assessment)

### ARCHITECTURAL DETAILS

#### Ceiling Height:
- Min. ceiling height 7'-6" in corridors & in normally unoccupied spaces
- Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds & on stretchers
- Min. ceiling height 7'-10" in other areas

#### Doors & Door Hardware:
- Door Type:
  - (a) Doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors
  - (b) Bathing area or toilet room opens onto public area or corridor
- ☐ check if not included in project
- Visual privacy is maintained

#### Windows in Patient Rooms:
- Each patient room provided with natural light by means of window to outside
- Operable windows in patient rooms
  - ☐ check if not included in project
  - Window operation is limited with either stop limit/restrictor hardware or open guard/screen
  - Prevents passage of 4-inch diameter sphere through opening
- Insect screens

#### Window Size in Patient Rooms:
- Minimum net glazed area be no less than 8% of required min. clear floor area of room served
- Maximum 36 inches windowsill height above finished floor

#### Handwashing Stations:
- Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly
- Countertops substrate
  - ☐ check if not included in project
  - Marine-grade plywood (or equivalent material) with impervious seal
- Handwashing station casework
  - ☐ check if not included in project designed to prevent storage beneath sink
- Provisions for drying hands
  - Hand-drying device does not require hands to contact dispenser
  - Hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing
- Liquid or foam soap dispensers
### HANDRAILS:

1. Handrails installed on both sides of patient use corridors
2. Rail ends return to wall or floor
3. Handrail gripping surfaces & fasteners are smooth (free of sharp or abrasive elements) with 1/8-inch min. radius
4. Handrails have eased edges & corners
5. Handrails are ligature-resistant
6. Handrail finishes are cleanable

### 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. Noise reduction criteria in Table 1.2-6 applicable to partitions, floors & ceiling construction are met in patient areas

### SURFACES

#### FLOORING & WALL BASES:

1. Flooring surfaces cleanable & wear-resistant for location
2. Smooth transitions provided between different flooring materials
3. Flooring surfaces including those on stairways are stable, firm & slip-resistant
4. Floors & wall bases of soiled workrooms, toilet rooms & other areas subject to frequent wet cleaning are constructed of materials that are not physically affected by germicidal or other types of cleaning solutions

### WALLS & WALL PROTECTION:

1. Wall finishes are washable
2. Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
3. Wall surfaces in areas routinely subjected to wet spray or splatter are monolithic or have sealed seams that are tight & smooth

### CEILINGS:

1. Ceilings provided in all areas except mechanical, electrical & communications equipment rooms
2. Ceilings cleanable with routine housekeeping equipment
3. Acoustic & lay-in ceilings where used do not create ledges or crevices

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

#### UTILITIES:

1. Heating & Cooling Sources:
   - HEAT sources sufficient for facility needs (reserve capacity) even when any one of heat sources or essential accessories is not operating due to breakdown or routine maintenance
   - Capacity of remaining source or sources is sufficient to provide for domestic hot water & to provide heating for inpatient rooms

#### AIR-HANDLING UNIT (AHU) DESIGN:

1. AHU casing is designed to prevent water intrusion, resist corrosion & permit access for inspection & maintenance

#### OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:

1. Outdoor Air Intakes:
   - Located min. of 25 ft from cooling towers & all exhaust & vent discharges
   - Outdoor air intakes located such that bottom of air intake is at least 6'-0" above grade
   - Air intakes located away from public access

2. Intakes on top of buildings
   - Located with bottom of air intake min. 3'-0" above roof level

3. Intake in areaway
   - Located with bottom of air intake opening is at least 6'-0" above grade
   - Bottom of air intake opening from areaway into building is at least 3'-0" above bottom of areaway
Part 3/6.4 \text{FILTRATION:}
- Two filter banks for inpatient care (see Table 6.4)
- Filter Bank No. 1: MERV 7
- Filter Bank No. 2: MERV 14
- Each filter bank with efficiency of greater than MERV 12 is provided with differential pressure measuring device to indicate when filter needs to be changed

Part 3/6.4.1 Filter Bank No. 1 is placed upstream of heating & cooling coils
Part 3/6.4.2 Filter Bank No. 2 is placed downstream of all wet-air cooling coils & supply fan

Part 3/6.7 \text{AIR DISTRIBUTION SYSTEMS:}
- pressure relationships required in tables 7.1 maintained in all modes of HVAC system operation
- Spaces that have required pressure relationships are served by fully ducted return systems or fully ducted exhaust systems
- Inpatient facilities are served by fully ducted return or exhaust systems

Part 3/6.7.2 \text{Air Distribution Devices:}
- supply air outlets comply with Table 6.7.2

Part 3/6.7.3 \text{Smoke Barriers:}
- HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers.

Part 3/6.8 \text{ENERGY RECOVERY SYSTEMS:}
- check if not included in project

Part 3/6.8.1 Located upstream of Filter Bank No. 2

Part 3/6.8.3 Energy recovery systems with leakage potential
- check if not included in project
- arranged to minimize potential to transfer exhaust air directly back into supply airstream
- designed to have no more than 5% of total supply airstream consisting of exhaust air

Part 3/7 \text{SPACE VENTILATION}
Part 3/7.1.a Spaces ventilated according to Table 7.1
Part 3/7.1.a.1 Air movement is from clean to less-clean areas

Part 3/7.1.a.5 Air recirculation through room units
- check if not included in project
- comply with Table 7.1
- room units receive filtered & conditioned outdoor air
- provide min. MERV 6 filter located upstream of any cold surface so that all of air passing over cold surface is filtered

\text{ELECTRICAL SYSTEMS}

Part 3/6.8.3 Panelboards:
- panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below
- panelboard critical branch circuits serve floors on which they are located
- panelboards not located in exit enclosures or exit passageways

Part 2.1-8.3.4 \text{LIGHTING:}

Part 2.1-8.3.4.2 Luminares in wet areas (e.g. kitchens showers) have smooth cleanable shatter-resistant lenses & no exposed lamps

Part 2.1-8.3.4.3(1) Reading light for each bed
- incandescent & halogen lights
- check if not included in project
- placed or shielded to protect patient from injury
- light source covered by diffuser or lens

Part 2.1-8.3.4.3(2) Patient care unit corridors have general illumination with provisions for reducing light levels at night

\text{ELECTRICAL EQUIPMENT:}

Part 2.1-8.3.5 Handwashing sinks that depends on building electrical service for operation are connected to essential electrical system
- check if not included in project

Part 2.1-8.3.6 \text{ELECTRICAL RECEPTACLES:}

Part 2.1-8.3.6.1 Receptacles In Corridors:
- duplex-grounded receptacles for general use installed 50'-0" apart or less in all corridors
- duplex-grounded receptacles for general use installed within 25'-0" of corridor ends
- receptacles in corridors are of tamper-resistant type

Part 2.1-8.3.6.3 Essential Electrical System Receptacles:
- check if not included in project
- cover plates distinctively colored or marked for identification
- same color is used throughout facility
### PLUMBING SYSTEMS

#### 2.1-8.4.2 Plumbing & Other Piping Systems:

- **2.1-8.4.2.1(3)** no plumbing piping exposed overhead or on walls where possible accumulation of dust or soil may create cleaning problem

#### 2.1-8.4.2.5 Heated Potable Water Distribution Systems:

1. **2.1-8.4.2.5.2** heated potable water distribution systems serving patient care areas are under constant recirculation
2. **2.1-8.4.2.5.6** non-recirculated fixture branch piping max. length 25'-0"

#### 2.1-8.4.2.6 Drainage Systems:

1. **2.1-8.4.2.6.1(a)** drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets
2. **2.1-8.4.2.6.1(b)** drip pan for drainage piping above ceiling of sensitive area

#### 2.1-8.4.3 PLUMBING FIXTURES

##### 2.1-8.4.3.1(1)

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

##### 2.1-8.4.3.2 Handwashing Station Sinks:

1. **2.1-8.4.3.2.1** sink basins have nominal size of no less than 144 square inches
2. **2.1-8.4.3.2.2** sink basins have min. dimension 9 inches in width or length
3. **2.1-8.4.3.2.3** sink basins are made of porcelain, stainless steel or solid-surface materials

#### 2.1-8.4.2.2

- **2.1-8.4.2.2.5** heated potable water distribution systems serving patient care areas are under constant recirculation
- **2.1-8.4.2.2.6** non-recirculated fixture branch piping max. length 25'-0"

#### 2.1-8.4.2.6

- **2.1-8.4.2.6.1(a)** drainage piping installed above ceiling of or exposed in electronic data processing areas & electric closets
- **2.1-8.4.2.6.1(b)** drip pan for drainage piping above ceiling of sensitive area

#### 2.1-8.4.3

- **2.1-8.4.3.1(1)** materials used for plumbing fixtures are non-absorptive & acid-resistant
- **2.1-8.4.3.2(2)** sink basins have nominal size of no less than 144 square inches
- **2.1-8.4.3.2(3)** sink basins have min. dimension 9 inches in width or length
- **2.1-8.4.3.2(5)** water discharge point min. 10" above bottom of basin
- **2.1-8.4.3.2(7)** anchored to resist so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied
- **2.1-8.4.3.2(8)** sinks used by medical staff, patients & public have fittings that can be operated without using hands (may be single-lever or wrist blade)

#### 2.1-8.6.2 ELECTRONIC SURVEILLANCE SYSTEMS

- **2.1-8.6.2.2** monitoring devices are located so they are not readily observable by general public or patients
- **2.1-8.6.2.3** electronic surveillance systems receive power from essential electrical system