

**COMPLIANCE CHECKLIST****IP29 General support Facilities**

The following checklist is intended to be used in plan review applications for health care facilities submitted to Massachusetts Department of Public Health. This checklist summarizes & references applicable requirements from Licensure Regulations & 2022 Edition of FGI Guidelines for Design & Construction of Hospitals. Applicants must verify compliance of plans submitted to Department with all referenced requirements from Licensure Regulations & FGI Guidelines when completing this Checklist. separate Checklist must be completed for each nursing unit hospital or clinic department or clinical suite.

Other jurisdictions regulations & codes may have additional requirements which are not included in this checklist such as:

- NFPA 101 Life Safety Code (2012) & applicable related standards contained in appendices of Code
- State Building Code (780 CMR)
- Accreditation requirements of Joint Commission
- CDC Guidelines for Preventing Transmission of Mycobacterium Tuberculosis in Health Care Facilities
- USP 797 & Regulations of Massachusetts Board of Registration in Pharmacy
- Occupational Safety & Health Standards (OSHA)
- Accessibility Guidelines of 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 following instructions & included in plan submissions for Self-Certification Process or Abbreviated Review Process
2. This checklist must be completed by project architect or engineer based on design actually reflected in plans at time of completion of checklist
3. Each requirement line (\_\_\_\_) of this Checklist must be completed exclusively with one of following marks unless otherwise directed in checklist. If functional space is not affected by renovation project mark "E" may be indicated on requirement line (\_\_\_\_) before name of 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 given required function (e.g. patient room or exam room) that clarification should be provided in Project Narrative & requirement lines are understood to only address functional spaces that are involved in project.

**X** = Requirement is met for new space for renovated space or for existing direct support space for expanded service

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

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

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

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

Facility Name:

DoN Project Number: (if applicable)

Facility Address:

Satellite Name: (if applicable)

Building/Floor Location:

Satellite Address: (if applicable)

Submission Dates:

Project Description:

Initial Date:

Revision Date:

	Architectural Requirements	Building Systems Requirements
2.1-5	<b><u>GENERAL SUPPORT FACILITIES</u></b>	
2.1-5.1	<b>STERILE PROCESSING SUITE</b> <input type="checkbox"/> check if <u>not</u> included in project	
2.1-5.1.2	<b>Facilities for On-Site Sterile Processing</b> <input type="checkbox"/> check if <u>not</u> included in project (only if contractual arrangements are made for off-site processing & support areas for off-site processing are provided in hospital)	
2.1-5.1.2.1(2)	___ Sterile processing facility meet requirements of semi-restricted area	
2.1-5.1.2.1(3)	Layout: ___ sterile processing facilities designed to provide one-way traffic pattern	
2.1-5.1.2.2	___ Two-room sterile processing facility <input type="checkbox"/> check if <u>not</u> included in project	
(1)(a)	___ decontamination room & clean workroom physically separated by wall containing door or pass-through window <b>or</b> ___ built-in washer/disinfector with pass-through door or window	
(1)(b)	___ Sterilizer access room for maintaining equipment <input type="checkbox"/> check if <u>not</u> included in project	
(2)	___ Decontamination room	
(a)	___ sized to meet min equipment space & clearances needed for equipment used ___ equipment shown on plans	Ventilation: ___ Min 6 air changes per hour
(b)	___ work counter(s) ___ handwashing station ___ three-basin sink with counter ___ flushing-rim clinical sink or equivalent fixture <b>or</b> ___ alternative methods for disposal of bio-waste	___ Exhaust ___ Negative pressure ___ No recirculating room units
	___ space for waste & soiled linen receptacles ___ documentation area	
	___ instrument air outlet for drying instruments <b>or</b> ___ portable compressed air for drying instruments	
	___ storage for decontamination supplies & personal protective equipment (PPE)	

Table 7-1

**Architectural Requirements**

- (3) ☐ Clean workroom
- (a) ☐ sized to accommodate space & clearances needed for sterilization equipment used
- ☐ equipment shown on plans
- (b) ☐ work counter(s)
- ☐ handwashing station
- ☐ storage for sterilization supplies
- ☐ documentation area
- ☐ instrument air outlet for drying instruments
- or**
- ☐ portable compressed air for drying instruments
- ☐ cooling area for sterilization cart where sterilizer is loaded/unloaded using rolling cart

- (4) ☐ Sterile storage (provided for storage of sterile instruments & supplies)
- (a) ☐ area part of clean workroom
- or**
- ☐ separate storage room
- (b) ☐ space for case cart storage
- ☐ check if not included in project (only if case carts are not used)

- 2.1-5.1.2.3 ☐ One-room sterile processing facility
- ☐ check if not included in project
- (1) ☐ consists of decontamination area & clean work area
- (b) ☐ two entrances
- or**
- ☐ single entrance
- ☐ located approximately equidistant from clean & decontamination sides of room
- ☐ allows for one-way traffic flow

- (2) ☐ decontamination area
- (a) ☐ countertop
- ☐ two-basin sink for washing instruments
- ☐ handwashing station
- ☐ separate from instrument-washing sink
- ☐ storage for supplies
- ☐ instrument air outlet for drying instruments
- or**
- ☐ portable compressed air for drying instruments

**Building Systems Requirements**

- Ventilation:
- ☐ Min 4 air changes per hour Table 7-1
- ☐ Positive pressure
- ☐ No recirculating room units

- Ventilation:
- ☐ Min 4 air changes per hour Table 7-1
- ☐ Positive pressure

- Ventilation:
- ☐ Min 6 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units

Architectural Requirements		Building Systems Requirements	
(b)	<input type="checkbox"/> instrument-washing sink separated from clean work area by 4'-0" foot distance from edge of sink <b>or</b> <input type="checkbox"/> instrument-washing sink separated from clean work area by wall <b>or</b> <input type="checkbox"/> instrument-washing sink separated from clean work area by screen <input type="checkbox"/> screen extends min 4'-0" above sink rim		
(3)	<input type="checkbox"/> clean work area	Ventilation:	
(a)	<input type="checkbox"/> countertop	<input type="checkbox"/> Min 4 air changes per hour	Table 7-1
(b)	<input type="checkbox"/> sterilizer	<input type="checkbox"/> Positive pressure	
(c)	<input type="checkbox"/> storage for supplies	<input type="checkbox"/> No recirculating room units	
(d)	<input type="checkbox"/> instrument air outlet for drying instruments <b>or</b> <input type="checkbox"/> portable compressed air for drying instruments		
2.1-5.1.2.4	<input type="checkbox"/> Equipment & supply storage	Ventilation:	
(1)	<input type="checkbox"/> instrument & supply storage provided for sterile & clean instruments & supplies	<input type="checkbox"/> Min 4 air changes per hour	Table 7-1
(a)	<input type="checkbox"/> separate room <b>or</b> <input type="checkbox"/> portion of clean workroom	<input type="checkbox"/> Positive pressure	
(b)	<input type="checkbox"/> space for case cart storage <input type="checkbox"/> check if <u>not</u> included in project (only if case carts are not used in facility)		
(2)	<input type="checkbox"/> clean/sterile medical/surgical supply receiving room	Ventilation:	
		<input type="checkbox"/> Min 4 air changes per hour	Table 7-1
		<input type="checkbox"/> Positive pressure	
2.1-5.1.2.5	<b>Support Areas for Staff:</b>		
(1)(a)	<input type="checkbox"/> separate changing areas provided for male & female staff (unisex changing area with one or more private changing rooms is permitted)		
(1)(b)	<input type="checkbox"/> staff changing areas meet requirements of unrestricted area (may be shared with other departments or services)		
(1)(c)			
(2)(a)	<input type="checkbox"/> lockers		
(2)(b)	<input type="checkbox"/> toilet room	Ventilation:	
(2)(c)	<input type="checkbox"/> handwashing station	<input type="checkbox"/> Min 10 air changes per hour	Table 7-1
(2)(d)	<input type="checkbox"/> space for donning surgical attire	<input type="checkbox"/> Exhaust	
(2)(e)	<input type="checkbox"/> provision for separate storage of clean & soiled work attire	<input type="checkbox"/> Negative pressure	
		<input type="checkbox"/> No recirculating room units	

**Architectural Requirements****Building Systems Requirements****2.1-5.1.3 Support Areas for Hospitals Using Off-Site Sterile Processing**

☐ check if not included in project (only if on-site sterile processing department is provided in hospital per above requirements)

2.1-5.1.3.1 ☐ Clean/sterile medical/surgical supply receiving room

Ventilation:

☐ Min 4 air changes per hour

Table 7-1

☐ Positive pressure

2.1-5.1.3.2 ☐ Equipment & supply storage  
☐ instrument & supply storage provided for sterile & clean instruments & supplies

Ventilation:

☐ Min 4 air changes per hour

Table 7-1

☐ Positive pressure

☐ separate room

**or**

☐ portion of clean workroom

☐ space for case cart storage

☐ check if not included in project

(only if case carts are not used in facility)

2.1-5.1.3.3 ☐ Room for gross decontamination & holding of instruments

(1) ☐ instrument-washing sink for gross decontamination (use of handwashing station is not permitted for this function)

**or**

(2) ☐ soiled workroom

2.1-2.8.12.2

(1)(a) ☐ handwashing station

(1)(b) ☐ flushing-rim clinical service sink with bedpan-rinsing device or equivalent flushing-rim fixture

(1)(c) ☐ work counter

(1)(d) ☐ space for separate covered containers for waste & soiled linen

(2) ☐ fluid management system is used  
☐ check if not included in project

(a) ☐ electrical & plumbing connections that meet manufacturer requirements

(b) ☐ space for docking station

Ventilation:

☐ Min 10 air changes per hour

Table 7-1

☐ Exhaust

☐ Negative pressure

☐ No recirculating room units

**2.1-5.2 LINEN SERVICES**

☐ check if not included in project

2.1-5.2.1 ☐ Hospital has provisions for storing & processing of clean & soiled linen used for patient care & support (permitted to occur on-site or in off-site laundry)

**Architectural Requirements****Building Systems Requirements**

2.1-5.2.2

**On-Site Linen Processing Facilities**☐ check if not included in project

(only if contractual arrangements are made for off-site processing &amp; support areas for off-site processing are provided in hospital)

2.1-5.2.2.1(1)

☐ Soiled linen holding room

2.1-2.8.12.3(2)

☐ space for separate covered containers for soiled linen

2.1-5.2.2.1(1)(a)

☐ handwashing station provided in each room or area where soiled linen is processed or handled

2.1-5.2.2.1(1)(b)

☐ discharge from soiled linen chutes received in separate room adjacent\* to soiled holding room

2.1-5.2.2.1(2)

(a)

☐ Clean linen inspection room or area☐ part of clean linen storage room**or**☐ area provided for inspection removal of lint mending folding assembling & packaging of clean linen

(b)

☐ space for table shelving & storage

2.1-5.2.2.1(3)

☐ Clean linen storage room☐ provided in addition to linen storage required at individual patient units

2.1-5.2.2.1(4)

☐ Separate areas provided for parking of clean & soiled linen carts out of traffic

2.1-5.2.2.1(5)

☐ Service entrance where linen processing facilities are located in separate building on hospital campus service entrance☐ check if not included in project

(only if all linen processing facilities are located within main hospital building)

☐ protected from inclement weather☐ provided for loading & unloading of linen

2.1-5.2.2.2

(1) (b)

☐ Laundry facilities☐ designed to permit orderly work flow & minimize cross-traffic that might mix clean & soiled operations

(2)

☐ laundry processing room☐ space for commercial or industrial washing & drying equipment☐ can process at least seven-day supply of laundry during regularly scheduled work week

(3)

☐ handwashing station

(4)

☐ storage for laundry supplies**Ventilation:**☐ Min 10 air changes per hour

Table 7-1

☐ Exhaust☐ Negative pressure☐ No recirculating room units

**Architectural Requirements****Building Systems Requirements****2.1-5.2.8 Support Areas for Off-Site Linen Processing**

☐ check if not included in project

(only if on-site sterile processing department is provided in hospital per above requirements)

- 2.1-5.2.8.1 ☐ Soiled linen holding room
- 2.1-2.8.12.3(2) ☐ space for separate covered containers for soiled linen
- 2.1-5.2.8.1(2) ☐ discharge from soiled linen chutes received in separate room adjacent\* to soiled holding room
- 2.1-5.2.8.2 ☐ Clean linen storage room
- ☐ provided in addition to linen storage required at individual patient units
- 2.1-5.2.8.3 ☐ Separate areas provided for parking of clean & soiled linen carts out of traffic
- 2.1-5.2.8.4 ☐ Service entrance provided for loading & unloading linen
- 2.1-5.2.8.5 ☐ Control station (permitted to be shared with other functions)
- (1) ☐ control station for pickup & receiving of soiled & clean linen

Ventilation:

- ☐ Min 10 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units

Ventilation:

- ☐ Min 2 air changes per hour Table 7-1
- ☐ Positive pressure

**2.1-5.2.9 Support Areas for Staff**

(may be shared with other departments or services)

- 2.1-5.2.9.1 ☐ Lounge
- ☐ readily accessible\* to linen services area
- ☐ Locker facilities
- ☐ readily accessible\* to linen services area
- ☐ Staff toilet room
- ☐ readily accessible\* to linen services area

Ventilation:

- ☐ Min 10 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units

## 2.1-5.3

**MATERIALS MANAGEMENT**

☐ check if not included in project

## 2.1-5.3.1.2

Location:

\_\_\_ materials management facilities  
separate from patient care areas

## 2.1-5.3.2

\_\_\_ Receiving area

## 2.1-5.3.2.1

\_\_\_ unloading area separated from public  
streets

## 2.1-5.3.2.2

\_\_\_ receiving area provided to accommodate  
delivery trucks & other vehicles

(1)

Location:

(a)

\_\_\_ separated from other occupied  
building areas  
\_\_\_ located so that noise & odors from  
operation will not adversely affect  
building occupants

(b)

\_\_\_ segregated from waste staging &  
other outgoing materials-handling  
functions

(2)

Space Requirements:

(a)

\_\_\_ area provided for unpacking  
sorting & staging of incoming  
materials & supplies

(d)

\_\_\_ workstation area

## 2.1-5.3.3

\_\_\_ Central storage facilities

## 2.1-5.3.3.1

(1)

\_\_\_ provided in addition to supply storage  
facilities located in individual departments  
\_\_\_ location of central storage facilities in  
main hospital building

(2)

**or**

\_\_\_ location of central storage facilities in  
separate building on-site  
\_\_\_ provisions made for protection  
against inclement weather during  
transfer of supplies to hospital

## 2.1-5.3.3.2(2)

Space Requirements:

\_\_\_ general storage rooms with total  
area of no less than 20 sf per  
inpatient bed provided

## 2.1-5.3.3.3

Additional Storage Areas for Outpatient  
Departments:

(1)

\_\_\_ location in general storage room in  
central area in outpatient  
department or at off-site location

(2)

Space Requirements:

\_\_\_ total area of no less than 5 percent  
of total floor area of outpatient  
departments served

2.1-5.4 **WASTE MANAGEMENT**

☐ check if not included in project

## 2.1-5.4.1 Waste Collection &amp; Storage Facilities

## 2.1-5.4.1.1

(2) Waste processing equipment is shown on plans including equipment listed below:

- (a) ☐ compactor units (for municipal solid waste & recycling)
- (b) ☐ balers
- (c) ☐ sharps disposal containers
- (d) ☐ recycling containers
- (e) ☐ composting containers
- (f) ☐ used inhalation anesthesia gas containers

(3) Waste Collection & Storage Spaces:

- (a) ☐ municipal solid waste
- (b) ☐ regulated medical waste
- (c) ☐ pharmaceutical waste
- (d) ☐ anatomical remains
- (e) ☐ hazardous wastes
- (f) ☐ chemotherapy wastes (bulk & trace)
- (g) ☐ universal wastes
- (h) ☐ radiologic wastes

## 2.1-5.4.1.3 Regulated Waste Holding Spaces:

(1) ☐ secured space provided for regulated medical waste & other regulated waste types

(a) Interior Infectious Waste Holding Space:

- ☐ check if not included in project
- ☐ cleanable floor & wall surfaces

Ventilation:

- ☐ Min 10 air changes per hour Table 7-1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units

(b) Exterior Infectious Waste Holding Space:

- ☐ check if not included in project
- ☐ cleanable floor (and wall where provided) surfaces
- ☐ protection from weather
- ☐ protection from animals
- ☐ protection from vermin infestation

(2)

(a) ☐ illumination to min 50 foot-candles

(b) ☐ protection from unauthorized entry

**2.1-5.5 ENVIRONMENTAL SERVICES**

☐ check if not included in project

- 2.1-5.5.1 ☐ Environmental services rooms  
                   ☐ provided throughout facility
- 2.1-2.8.14.1 ☐ readily accessible\* to unit or floor it serves (permitted to serve more than one patient care unit on floor)
- 2.1-2.8.14.2(1) ☐ service sink or floor-mounted mop sink
- 2.1-2.8.14.2(2) ☐ provisions for storage of supplies & housekeeping equipment
- 2.1-2.8.14.2(3) ☐ handwashing station
- or**
- ☐ hand sanitation station
- 2.1-5.5.2 ☐ Facilities for cleaning & sanitizing carts
- 2.1-5.5.2.1 ☐ serving central services department  
                   ☐ food & nutrition facilities & linen services
- 2.1-5.5.2.2 ☐ centralized
- or**
- ☐ departmentalized

**Ventilation:**

- ☐ Min 10 air changes per hour    Table 7-1
- ☐ Exhaust
- ☐ Negative pressure
- ☐ No recirculating room units

**2.1-5.6 ENGINEERING & MAINTENANCE SERVICES**

☐ check if not included in project

- 2.1-5.6.2 ☐ Mechanical & electrical equipment
- 2.1-5.6.2.2 (1) ☐ rooftop air-conditioning & ventilation equipment installed in weatherproof housing
- (2) ☐ emergency generators  
                   ☐ engine & appropriate accessories (i.e batteries) are properly heated  
                   ☐ enclosed in weatherproof housing
- (3) ☐ cooling towers & heat rejection equipment
- (4) ☐ electrical transformers & switchgear  
                   ☐ installed in weatherproof housing
- (5) ☐ medical gas parks & equipment
- (6) ☐ air-cooled chillers  
                   ☐ installed in weatherproof housing
- (7) ☐ trash compactors
- (8) ☐ site lighting post indicator valves & other equipment normally installed on exterior of building
- (9) ☐ telecommunication signaling or tower equipment
- 2.1-5.6.2.3 **Security:**  
                   ☐ mechanical & electrical equipment rooms secured with controlled access
- 2.1-5.6.3 ☐ Equipment & supply storage
- 2.1-5.6.3.1(1) ☐ storage room for building maintenance supplies
- 2.1-5.6.3.1(2) ☐ storage for solvents & flammable liquids

- 2.1-5.6.4 ☐ General maintenance shop  
☐ check if not included in project
- 2.1-5.6.5 ☐ Medical equipment shop  
☐ check if not included in project
- 2.1-5.6.5.1 ☐ separate area or room provided for storage repair & testing of electronic & other medical equipment
- 2.1-5.6.6 ☐ Facility manager's office  
☐ check if not included in project
- 2.1-5.6.6.2 ☐ provisions for protected storage of facility drawings records manuals etc

#### 2.1-5.7 **MORGUE SERVICES**

- ☐ check if not included in project
- 2.1-5.7.1.2 ☐ Location:  
☐ morgue service facilities located to avoid need for transporting body through public areas
- 2.1-5.7.1.3 ☐ Morgue service facilities secured with controlled access
- 2.1-5.7.2 ☐ Autopsy facilities  
☐ check if not included in project
- 2.1-5.7.2.1 ☐ refrigerated facilities for body holding  
☐ refrigerators equipped with temperature-monitoring & alarm signals that annunciate at 24-hour staffed location
- 2.1-5.7.2.2 ☐ autopsy room  
 (1) ☐ work counter with handwashing station  
 (2) ☐ storage space for supplies equipment & specimens  
 (3) ☐ autopsy table  
 (4) ☐ deep sink for washing specimens  
 (5) ☐ combination emergency deluge shower & facewash  
☐ check if not included in project (only if embalming fluid or fixatives containing formaldehyde are not used)
- 2.1-5.7.2.3 ☐ environmental services facilities  
☐ service sink or receptor provided for cleanup & housekeeping
- 2.1-5.7.3 ☐ Non-refrigerated body-holding room  
☐ check if not included in project (only if autopsies performed outside facility)  
☐ well-ventilated temperature-controlled body-holding room provided

#### Ventilation:

- ☐ Min 12 air changes per hour Table 7-1  
☐ Exhaust  
☐ Negative pressure  
☐ No recirculating room units

#### Ventilation:

- ☐ Min 10 air changes per hour Table 7-1  
☐ Exhaust  
☐ Negative pressure  
☐ No recirculating room units

**\*LOCATION TERMINOLOGY:**

**Directly accessible:** Connected to identified area or room through doorway pass-through or other opening without going through intervening room or public space

**Adjacent:** Located next to but not necessarily connected to identified area or room

**Immediately accessible:** Available either in or adjacent to identified area or room

**Readily accessible:** Available on same floor or in same clinic as identified area or room

**Architectural Details & MEP Requirements**

2.1-7.2.2	<b>ARCHITECTURAL DETAILS</b>	2.1-7.2.2.8	<b>HANDWASHING STATIONS:</b>
2.1-7.2.2.1	<b>CORRIDOR WIDTH:</b>	(3)	
	<input type="checkbox"/> Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear & unobstructed width	(a)	<input type="checkbox"/> Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly
		(b)	<input type="checkbox"/> Countertops substrate <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> marine-grade plywood (or equivalent material) with impervious seal
2.1-7.2.2.2	<b>CEILING HEIGHT:</b>	(4)	<input type="checkbox"/> Handwashing station casework <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> designed to prevent storage beneath sink
(1)	<input type="checkbox"/> Min. ceiling height 7'-6" in corridors & in normally unoccupied spaces <input type="checkbox"/> Min. ceiling height 7'-10" in other areas	(5)	<input type="checkbox"/> Provisions for drying hands <input type="checkbox"/> check if <u>not</u> included in project (only at hand scrub facilities)
2.1-7.2.2.3	<b>DOORS &amp; DOOR HARDWARE:</b>	(a)	<input type="checkbox"/> hand-drying device does not require hands to contact dispenser
(1)	<b>Door Type:</b> <input type="checkbox"/> doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors <input type="checkbox"/> sliding doors <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> manual or automatic sliding doors comply with NFPA 101 <input type="checkbox"/> detailed code review incorporated in Project Narrative <input type="checkbox"/> no floor tracks	(b)	<input type="checkbox"/> hand-drying device is enclosed to protect against dust or soil & to ensure single-unit dispensing
(3)	<b>Door Swing:</b> <input type="checkbox"/> doors do not swing into corridors except doors to non-occupiable spaces (e.g. environmental services rooms & electrical closets) & doors with emergency breakaway hardware	(6)	<input type="checkbox"/> liquid or foam soap dispensers
(a)		(7)	<input type="checkbox"/> no mirror at hand scrub stations or at handwashing stations in food preparation areas & clean & sterile supply areas
(4)	<input type="checkbox"/> Lever hardware or push/pull latch hardware	2.1-7.2.2.12	<b>NOISE CONTROL:</b>
		(2)	<input type="checkbox"/> Noise reduction criteria in Table 1.2-6 applicable to partitions, floors & ceiling construction are met in patient areas
2.1-7.2.2.7	<b>GLAZING MATERIALS:</b>	2.1-7.2.2.13	<b>PROTECTION FROM HEAT-PRODUCING EQUIPMENT:</b>
	<input type="checkbox"/> Glazing within 1 foot 6 inches of floor must be safety glass, wire glass or plastic break-resistant material		<input type="checkbox"/> Rooms containing heat-producing equipment (e.g. boilers heaters or laundry equipment) are insulated to prevent floor surface above, ceiling below & adjacent walls of occupied areas from exceeding temperature 10°F above ambient room temperature

- 2.1-7.2.3 SURFACES**
- 2.1-7.2.3.1 FLOORING & WALL BASES:**
- (1) ☐ Flooring surfaces cleanable & wear-resistant for location
  - (3) ☐ Smooth transitions provided between different flooring materials
  - (4) ☐ Flooring surfaces including those on stairways are stable, firm & slip-resistant
  - (5) ☐ Floors & wall bases of kitchens, 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
  - (7)(a) ☐ Floors are monolithic & integral coved wall bases are at least 6" high & tightly sealed to wall in rooms listed below:
    - ☐ sterile processing facility
    - ☐ soiled workroom & soiled holding room
- 2.1-7.2.3.2 WALLS & WALL PROTECTION:**
- (1)(a) ☐ Wall finishes are washable
  - (1)(b) ☐ Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
  - (2) ☐ Wall surfaces in areas routinely subjected to wet spray or splatter (e.g. kitchens, environmental services rooms) are monolithic or have sealed seams that are tight & smooth
  - (5) ☐ Wall protection devices & corner guards durable & scrubbable
- 2.1-7.2.3.3 CEILINGS:**
- (1) ☐ Ceilings provided in all areas except mechanical, electrical & communications equipment rooms
  - (a) ☐ Ceilings cleanable with routine housekeeping equipment
  - (b) ☐ Acoustic & lay-in ceilings where used not create ledges or crevices
  - (2) ☐ Semi-Restricted Areas:
    - ☐ check if not included in project
    - (a) ☐ ceiling finishes are scrubbable, non absorptive, non perforated, & capable of withstanding cleaning with chemicals
    - (b) ☐ lay-in ceilings
      - ☐ gasketed or each ceiling tile weighs at least one pound per square foot
      - ☐ use of perforated tegular serrated or highly textured tiles not are permitted in semi-restricted areas
    - or**
    - ☐ ceilings of monolithic construction

- 2.1-8.2 HEATING VENTILATION & AIR-CONDITIONING (HVAC) SYSTEMS**
- Heating & Cooling Sources:**
- ☐ provide heat sources & essential accessories in number & arrangement sufficient to accommodate 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 sterilization & dietary purposes; fuel sufficient to support owner's facility operation plan upon loss of fuel service is provided on site
- Part 3/6.1.2.2 Central cooling systems greater than 400 tons (1407 kW) peak cooling load**
- ☐ check if not included in project
  - ☐ number & arrangement of cooling sources & essential accessories is sufficient to support owner's facility operation plan upon breakdown or routine maintenance of any one of cooling sources.
- Part 3/6.2 AIR-HANDLING UNIT (AHU) DESIGN:**
- ☐ AHU casing is designed to prevent water intrusion, resist corrosion & permit access for inspection & maintenance
- Part 3/6.3 OUTDOOR AIR INTAKES & EXHAUST DISCHARGES:**
- Outdoor Air Intakes:**
- ☐ located such that shortest distance from intake to any specific potential outdoor contaminant source be equal to or greater than separation distance listed in Table 6-1
  - ☐ located min. of 25 ft from cooling towers & all exhaust & vent discharges
  - ☐ facilities with moderate-to-high risk of natural or man-made extraordinary incidents locate new air intakes away from public access
  - ☐ all intakes are designed to prevent entrainment of wind-driven rain

	<input type="checkbox"/> contain features for draining away precipitation <input type="checkbox"/> equipped with birdscreen of mesh no smaller than 0.5 in		
Part 3/6.3.1.4	<input type="checkbox"/> intake in areaway <input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> bottom of areaway air intake opening is at least 6 ft above grade <input type="checkbox"/> bottom of air intake opening from areaway into building is at least 3 ft above bottom of areaway		c. <input type="checkbox"/> Air supplied from equipment serving multiple or different spaces is filtered in accordance with Table 7-1 d. <input type="checkbox"/> Air recirculated within room be filtered in accordance with Table 7-1 or Section 7.1(a)(5) e. <input type="checkbox"/> Design includes all necessary provisions to prevent moisture accumulating on filters located downstream of cooling coils & humidifiers h. <input type="checkbox"/> For spaces that do not permit air recirculated by means of room units & have minimum filter efficiency of MERV-14, MERV-16 or HEPA in accordance with Table 7-1, the min. filter requirement listed in Table 7-1 is installed downstream of all wet-air cooling coils & supply fan
Part 3/6.3.2	Exhaust Discharges:		
Part 3/6.3.2.1	<input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> ductwork within building is under negative pressure for exhaust of contaminated air (i.e. air from AII rooms bronchoscopy & sputum collection exhaust, pharmacy hazardous-drug exhausted enclosures & laboratory work area chemical fume hoods) <input type="checkbox"/> exhaust discharge outlets with contaminated air located such that they reduce potential for recirculation of exhausted air back into building		
Part 3/6.3.2.2	<input type="checkbox"/> exhaust discharge outlets with contaminated air additionally is arranged to discharge to atmosphere in vertical direction at least 10 ft above adjoining roof level <input type="checkbox"/> exhaust discharge outlets from laboratory work area chemical fume hoods discharge with stack velocity of at least 3000 fpm <input type="checkbox"/> exhaust discharge outlets from AII rooms bronchoscopy & sputum collection exhaust & laboratory work area chemical fume hoods is located not less than 25 ft horizontally from outdoor air intakes, openable windows/doors & areas that are normally accessible to public		Part 3/6.7 Part 3/6.7.1 AIR DISTRIBUTION SYSTEMS: <input type="checkbox"/> Maintain pressure relationships required in tables 7.1 in all modes of HVAC system operation <input type="checkbox"/> Spaces that have required pressure relationships are served by fully ducted return systems or fully ducted exhaust systems  Part 3/6.7.2 Air Distribution Devices: <input type="checkbox"/> supply air outlets comply with Table 6-2  Part 3/6.7.3 Smoke Barriers: <input type="checkbox"/> HVAC zones coordinated with compartmentation to minimize ductwork penetrations of fire & smoke barriers.
		Part 3/6.8	ENERGY RECOVERY SYSTEMS:
		Part 3/6.8.1	<input type="checkbox"/> check if <u>not</u> included in project <input type="checkbox"/> Located upstream of filters required by Part 3/6.8.4
		Part 3/7 Part 3/7.1.a	SPACE VENTILATION-HOSPITAL SPACES:
		Part 3/7.1.a.1	<input type="checkbox"/> Spaces ventilated according to Table 7-1 <input type="checkbox"/> Air movement is from clean to less-clean areas
		Part 3/7.1.a.3	<input type="checkbox"/> Min. number of total air changes required for positive pressure rooms is provided by total supply airflow <input type="checkbox"/> Min. number of total air changes required for negative pressure rooms is provided by total exhaust airflow
		Part 3/7.1.a.4	<input type="checkbox"/> Entire minimum outdoor air changes per hour required by Table 7-1 for each space meet filtration requirements of Section 6.4
Part 3/6.4	FILTRATION:		
a.	<input type="checkbox"/> Particulate matter filters, minimum MERV-8 provided upstream of first heat exchanger surface of any air-conditioning system that combines return air from multiple rooms or introduces outdoor air.		
b.	<input type="checkbox"/> Outdoor air filtered in accordance with Table 7-1		

- Part 3/7.1a.5 ☐ Air recirculation through room unit  
☐ check if not included in project  
☐ complies with Table 7-1  
☐ room unit receive filtered & conditioned outdoor air  
☐ serve only a single space  
☐ provides min MERV 8 filter  
☐ located upstream of any cold surface so that all of air passing over cold surface is filtered

- Part 3/7.5.1 Morgue & Autopsy Rooms:  
☐ check if not included in project  
☐ Low sidewall exhaust grilles are provided unless exhaust air is removed through autopsy table designed for this purpose  
☐ exhaust air from autopsy non-refrigerated body holding & morgue rooms is discharged directly to outdoors without mixing with air from any other room or exhaust system

## 2.1-8.3 ELECTRICAL SYSTEMS

### 2.1-8.3.2 ELECTRICAL DISTRIBUTION & TRANSMISSION

- 2.1-8.3.2.1 Switchboards Switchgear & Automatic Transfer Switches:  
☐ check if not included in project  
 (1)(b) ☐ accessible to authorized persons only  
 (1)(c) ☐ located in dry ventilated space free of corrosive or explosive fumes, gases or any flammable material  
 (2) ☐ overload protective devices are listed for ambient room temperature for space in which they are installed

- 2.1-8.3.2.2 Panelboards:  
 (1) ☐ panelboards serving life safety branch circuits serve floors on which they are located & floors immediately above & below  
 (2) ☐ panelboard critical branch circuits serve floors on which they are located  
 (3) ☐ panelboards not located in exit enclosures or exit passageways

### 2.1-8.3.3 POWER-GENERATING & -STORING EQUIPMENT

- 2.1-8.3.3.1 ☐ Essential electrical system or emergency electrical power  
 (1) ☐ essential electrical system complies with NFPA 99  
 (2) ☐ emergency electrical power complies with NFPA 99

## 2.1-8.3.5 ELECTRICAL EQUIPMENT

- 2.1-8.3.5.1 ☐ Handwashing sinks & scrub sinks that depends on building electrical service for operation are connected to essential electrical system  
 2.1-8.3.5.2 ☐ Electronic health record system servers & centralized storage provided with uninterruptible power supply

## 2.1-8.3.6 ELECTRICAL RECEPTACLES

- Receptacles In Corridors:  
 (1) ☐ 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  
 2.1-8.3.6.3 Essential Electrical System Receptacles:  
 (1) ☐ cover plates for electrical receptacles supplied from essential electrical system are distinctively colored or marked for identification  
 (2) ☐ same color is used throughout facility

## 2.1-8.4 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  
☐ no plumbing piping exposed overhead or on walls where leaks would create potential for food contamination  
 2.1-8.4.2.5 Heated Potable Water Distribution Systems:  
 (2) ☐ heated potable water distribution systems serving patient care areas are under constant recirculation  
☐ non-recirculated fixture branch piping does not exceed 25'-0" in length  
 (3)(a) ☐ no installation of dead-end piping (except for empty risers mains & branches for future use)  
 (3)(c) ☐ any existing dead-end piping is removed  
 (3)(b) ☐ check if not included in project  
 (4)(a) ☐ water-heating system supplies water at temperatures & amounts indicated in Table 2.1-4

2.1-8.4.2.6 (1)(a)	<b>Drainage Systems:</b> ___ drainage piping installed above ceiling of or exposed in rooms listed below piping have special provisions (e.g. double wall containment piping or oversized drip pans) to protect space below from leakage & condensation <ul style="list-style-type: none"> <li>• operating rooms</li> <li>• delivery rooms</li> <li>• procedure rooms</li> <li>• trauma rooms</li> <li>• nurseries</li> <li>• central kitchens</li> <li>• one-room sterile processing facilities</li> <li>• clean workroom of two-room sterile processing facilities</li> <li>• pharmacies</li> <li>• Class 2 &amp; 3 imaging rooms</li> <li>• electronic mainframe rooms (EFs &amp; TERs)</li> <li>• main switchgear</li> <li>• electrical rooms</li> <li>• electronic data processing areas</li> <li>• electric closets</li> </ul>	(a)	food handlers have fittings that can be operated without using hands (may be single-lever or wrist blade devices) ___ blade handles ___ <input type="checkbox"/> check if <u>not</u> included in project ___ at least 4 inches in length ___ provide clearance required for operation (b) ___ sensor-regulated water fixtures ___ <input type="checkbox"/> check if <u>not</u> included in project ___ meet user need for temperature & length of time water flows ___ designed to function at all times and during loss of normal power
(1)(b)	___ drip pan for drainage piping above ceiling of sensitive area ___ <input type="checkbox"/> check if <u>not</u> included in project ___ accessible ___ overflow drain with outlet located in normally occupied area that is not open to restricted area	2.1-8.4.3.5 (1)  (a)  (b) (2)	<b>Clinical Sinks:</b> ___ trimmed with valves that can be operated without hands (may be single-lever or wrist blade devices) ___ handles are at least 6 inches long ___ integral trap wherein upper portion of water trap provides visible seal
2.1-8.4.3 2.1-8.4.3.1(1)	<b>PLUMBING FIXTURES</b> ___ Materials used for plumbing fixtures are non-absorptive & acid-resistant	2.1-8.5.2  2.1-8.5.2.1 (1)  (2)(b) (2)(a) (3)(a)  (3)(b)	<b>TELECOMMUNICATIONS SYSTEMS</b> ___ <input type="checkbox"/> check if <u>not</u> included in project <b>Entrance Facility (EF):</b> ___ each hospital has at least one EF (may be combined with technology equipment center) ___ access to EF is restricted ___ HVAC system provided to meet environmental requirements of equipment in EF ___ HVAC systems serving EF are connected to hospital's emergency power systems
2.1-8.4.3.2 (2)	<b>Handwashing Station Sinks:</b> ___ sink basins have nominal size of no less than 144 square inches ___ sink basins have min. dimension 9 inches in width or length	2.1-8.5.2.2 (3)(e) (1)	<b>Technology Equipment Room (TER):</b> ___ each hospital has at least one TER space that is not used for any purposes other than data storage processing & networking (may be combined with TSER) (3) ___ TER located above any floodways or flood hazard areas as described by national flood insurance program (NFIP) (5) ___ TER not located adjacent to exterior curtain walls to prevent wind & water damage (7) ___ TER located min. 12'-0" from any transformer (8) ___ restricted access
(3)	___ sink basins are made of porcelain, stainless steel or solid-surface materials	(3)(a)	
(5)	___ water discharge point of faucets is at least 10 inches above bottom of basin	(3)(b)	
(7)	___ anchored so that allowable stresses are not exceeded where vertical or horizontal force of 250 lbs. is applied	(3)(c)	
(8)	___ sinks used by medical & nursing staff, patients, public &	(3)(d)	

- (4)(a) ☐ mechanical & electrical equipment not directly related to support of TER is not installed in or pass through TER
- (4)(b) ☐ all computer & networking equipment in TER are served by UPS power
- (4)(c) ☐ all circuits serving TER equipment are dedicated to serving TER
- (4)(d) ☐ cooling & heating provided  
☐ cooling systems serving TER are supplied by essential electrical system

## 2.1-8.5.2.3

- (1)(a) ☐ Telecommunications Room (TR):  
☐ minimum one TR on each floor of facility
- (1)(b) ☐ TRs provided throughout facility as necessary to meet 292-foot maximum cable distance required for Ethernet cables from termination point in TR to each wall outlet
- (2) ☐ TRs provide 3-foot min. clearance on front & back of equipment racks & at ends of racks that require access.
- (3)(a) ☐ TRs are located in accessible area on each floor  
☐ TR is be located in semi-restricted or restricted area
- (3)(b) ☐ access to TR directly off corridor & not through another space such as electrical room or mechanical room
- (3)(c) ☐ controlled access
- (4)(a) ☐ mechanical & electrical equipment utilities do not pass over top of any equipment in room
- (4)(b) ☐ all circuits serving TR & equipment in it are dedicated to serving TR
- (4)(d) ☐ electrical power for cooling systems serving TR supplied by essential electrical system

## 2.1-8.5.2.4

- Grounding & bonding for Telecommunication Spaces:  
☐ Comply with Section 2.1-8.5.2.4

## 2.1-8.5.3

**EMERGENCY COMMUNICATION SYSTEM**

- ☐ Emergency-radio communication system provided in each facility  
☐ operates independently of building's service & emergency power systems during emergencies
- ☐ Frequency capabilities to communicate with state emergency communication networks

## 2.1-8.5.3.1

## 2.1-8.5.3.2

## 2.1-8.6.2

**ELECTRONIC SURVEILLANCE SYSTEMS**

- ☐ check if not included in project
- ☐ Display screens in patient areas are mounted in tamper-resistant enclosure that is unobtrusive
- ☐ Display screens are located so they are not readily observable by general public or patients
- ☐ Electronic surveillance systems receive power from essential electrical system

## 2.1-8.6.2.1

## 2.1-8.6.2.2

## 2.1-8.6.2.3

## 2.1-8.7.2

**ELEVATORS**

- ☐ check if not included in project

## 2.1-8.7.2.2

(1)

Number:

- ☐ 1 to 59 patient beds located on any floor other than main entrance floor  
☐ at least two hospital-type elevators

**or**

(2)

- ☐ 60 to 200 patient beds located on floors other than main entrance floor or major inpatient services located on floor other than those containing patient beds  
☐ at least two hospital-type elevators

**or**

(3)

- ☐ 201 to 350 patient beds are located on floors other than main entrance floor or major inpatient services are located on floor other than those containing patient beds  
☐ at least three hospital-type elevators

**or**

(4)

- ☐ more than 350 beds  
☐ number of elevators determined from study of hospital plan & expected vertical transportation requirements

- 2.1-8.7.2.3 Dimensions & Clearances:
- (1) ☐ elevator cars for patient transport have min inside clear dimensions 5'-8" wide by 9'-0" deep
- (2) ☐ door openings in elevator cars for patient transport have min clear width 54 inches & min height 84 inches
- 2.1-8.7.2.4 ☐ Elevators are equipped with two-way automatic level-maintaining device with accuracy of  $\pm 1/4$  inch
- 2.1-8.7.2.5 Elevator Controls:
- (1) ☐ elevator call buttons & controls not activated by heat or smoke
- (2) ☐ light beams if used for operating door reopening devices without touch are used in combination with door-edge safety devices & are interconnected with system of smoke detectors
- (3) ☐ each elevator except those for material handling are equipped with independent keyed switch for staff use for bypassing all landing button calls & responding to car button calls only