COMPLIANCE CHECKLIST

IP22: Endoscopy Services

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:

- 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:  

Building/Floor Location:  

Satellite Name: (if applicable)

Submission Dates:

Satellite Address: (if applicable)

Initial Date:

Project Description:

Revision Date:
2.2-3.11

**ENDOSCOPY SERVICES**

2.2-3.11.1.1 ____ Provisions made for patient examination, interview, preparation & testing & for obtaining vital signs of patients

2.2-3.11.1.2

(1) Facility Layout:
   (a) procedure room
   (b) instrument processing room
   (c) patient holding/preparation & recovery room or area

(2) Circulation & Restricted Access:
   (a) suite designed to facilitate movement of patients & personnel into, through & out of defined areas in suite

2.2-3.11.2

**ENDOSCOPY PROCEDURE ROOMS**

2.2-3.11.2.2 Space Requirements:

(1) ____ room min. clear floor area 200 sf
(2) ____ permit min. clearance 3'-6" at each side, head & foot of stretcher/table

Ventilation:

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

Power:

- ____ 8 electrical receptacles

Nurse Call System:

- ____ Emergency staff assistance station

Medical Gases:

- ____ 1 OX, 3 VAC

2.1-7.2.3.1(6) ____ Monolithic floor with integral coved 6" high wall base

2.2-3.11.2.4 ____ Provisions made for patient privacy

2.2-3.11.2.5 ____ Handwashing station

2.2-3.11.2.6 ____ Patient toilet room

- ____ located to be readily accessible* from procedure room
- ____ separate from public use toilet

Ventilation:

- ____ Min. 10 air changes per hour
- ____ Exhaust

2.2-3.11.3

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

2.2-3.11.3.2 ____ Pre-procedure patient care area

(1) (b) ____ located under observation of nursing staff
(c) ____ at least one pre-procedure patient care station per procedure room

2.2-3.3.4.2(2) Space Requirements:

- ____ patient bays*
- ____ check if not included in project

- ____ min. clear floor area 60 sf
- ____ 5'-0" between sides of patient beds/stretchers
- ____ 4'-0" between sides of patient beds/ stretchers & adjacent walls or partitions
- ____ min. clearance 3'-0" between foot of bed & cubicle curtain

Nurse Call System:

- ____ Patient station
- ____ Emergency staff assistance station

Table 7.1

Table 2.1-1

Table 2.1-2

Table 2.1-4
Architectural Requirements

- 8'-0" wide clear aisle independent of foot clearance between patient stations or other fixed objects
- Patient cubicles*
  - check if not included in project
  - min. clear floor area 80 sf
  - min. clearance 3'-0" between sides & foot of lounge chairs/stretchers & adjacent walls or partitions
- Single-bed rooms
  - check if not included in project
  - min. clear floor area 100 sf
  - min. clearance 3'-0" between sides & foot of lounge chairs/stretchers & adjacent walls or partitions

(4) Provisions made for patient privacy

(5) Handwashing Stations:

2.1-7.2.2.8(1) Handwashing stations in patient care areas located to be visible & unobstructed

2.1-2.6.5.3 Handwashing stations that serve multiple patient care stations
  - check if not included in project:
    - at least one handwashing station for every 4 patient care stations or fewer & for each major fraction thereof
    - evenly distributed
    - provide uniform distance from two patient care stations farthest from handwashing station

(1) Ventilation:
  - Min. 6 air changes per hour
  - No recirculating room units

(2) Recovery area located under observation of nursing staff

2.2-3.3.4.3(2) Space Requirements:

(a) min. clear floor area 80 sf for each bay or cubicle
(b) min. clearance 5'-0" between patient stretchers or beds
(b) min. clearance 4'-0" between patient stretchers or beds & adjacent walls or other fixed elements (sides & foot)
(b) min. clearance 3'-0" from foot of stretcher or bed to closed cubicle curtain

Provisions made for patient privacy
### Architectural Requirements

<table>
<thead>
<tr>
<th>Handwashing Stations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-7.2.2.8(1) <strong>handwashing stations in patient care areas located to be visible &amp; unobstructed</strong></td>
</tr>
<tr>
<td>2.1-2.6.5.3 <strong>handwashing stations that serve multiple patient care stations</strong></td>
</tr>
<tr>
<td>(1) check if not included in project:</td>
</tr>
<tr>
<td>(2) at least one handwashing station for every 4 patient care stations or fewer &amp; for each major fraction thereof</td>
</tr>
<tr>
<td>(2) evenly distributed</td>
</tr>
<tr>
<td>(2) provide uniform distance from two patient care stations farthest from handwashing station</td>
</tr>
</tbody>
</table>

### INSTRUMENT PROCESSING ROOM

<table>
<thead>
<tr>
<th>Instrument processing room allows for flow of instruments from decontamination area to clean work area &amp; then to storage in separate location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-3.11.4.1 <strong>(4)</strong></td>
</tr>
<tr>
<td>(4) Instrument processing room allows for flow of instruments from decontamination area to clean work area &amp; then to storage in separate location</td>
</tr>
<tr>
<td>(b) Min. clearance 3'-0&quot; between decontamination area &amp; clean work area</td>
</tr>
<tr>
<td><strong>Ventilation:</strong></td>
</tr>
<tr>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>Exhaust</td>
</tr>
<tr>
<td>Negative pressure</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Countertops &amp; casework</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-3.11.4.2 <strong>(6)</strong></td>
</tr>
<tr>
<td>(a) made of materials that are impervious to staining &amp; cleaning chemicals</td>
</tr>
<tr>
<td>(b) backsplashes min. 12 inches high</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Decontamination area</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-3.11.4.3 <strong>(1)</strong></td>
</tr>
<tr>
<td>(1) work counter</td>
</tr>
<tr>
<td>(2) handwashing station</td>
</tr>
<tr>
<td>(3) utility sink</td>
</tr>
<tr>
<td><strong>Clean work area</strong></td>
</tr>
<tr>
<td>2.2-3.11.4.3 <strong>(1)</strong></td>
</tr>
<tr>
<td>(1) countertop with space for equipment</td>
</tr>
<tr>
<td>(b) handwashing station</td>
</tr>
<tr>
<td>(c) storage for supplies</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>endoscope storage in instrument processing room</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1-7.2.3.1(6) <strong>Monolithic floor with integral coved 6&quot; high wall</strong></td>
</tr>
<tr>
<td>(a) storage cabinet with doors</td>
</tr>
<tr>
<td>(b) cabinet located at least 3'-0&quot; from any sink</td>
</tr>
<tr>
<td>(c) cabinet located for access separate from decontamination area</td>
</tr>
<tr>
<td>(c) or separate endoscope storage closet</td>
</tr>
</tbody>
</table>
### Architectural Requirements

**SUPPORT AREAS FOR ENDOscopy PROCEDURE SUITE**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.2-3.11.6.1</td>
<td>Nurse station</td>
</tr>
<tr>
<td>2.2-3.11.6.2</td>
<td>Documentation area</td>
</tr>
<tr>
<td>2.2-3.11.6.3</td>
<td>located in procedure room &amp; pre-procedure &amp; recovery patient care areas</td>
</tr>
<tr>
<td>2.2-3.11.6.6</td>
<td>Medication safety zone</td>
</tr>
<tr>
<td>2.1-2.6.6.1</td>
<td>medication preparation room</td>
</tr>
<tr>
<td>(2)</td>
<td>self-contained medication dispensing unit</td>
</tr>
<tr>
<td>(a)</td>
<td>Located out of circulation paths to minimize distraction &amp; interruption</td>
</tr>
<tr>
<td>(c)</td>
<td>work counters</td>
</tr>
<tr>
<td>(d)</td>
<td>task lighting</td>
</tr>
<tr>
<td>(e)</td>
<td>Meet acoustic design criteria per 1.2-5.1</td>
</tr>
<tr>
<td>2.2-3.11.6.10</td>
<td>Soiled workroom</td>
</tr>
<tr>
<td>(1)</td>
<td>physically separated from all other areas of department</td>
</tr>
<tr>
<td>(2)</td>
<td>handwashing station</td>
</tr>
<tr>
<td>(a)</td>
<td>flushing-rim clinical service sink</td>
</tr>
<tr>
<td>(b)</td>
<td>work surface</td>
</tr>
<tr>
<td>(c)</td>
<td>holding areas for trash, linen &amp; contaminated waste</td>
</tr>
</tbody>
</table>

### Building Systems Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventilation:</td>
<td>Min. 4 air changes per hour</td>
</tr>
<tr>
<td>Nurse Call System:</td>
<td>Duty station</td>
</tr>
<tr>
<td><strong>Soiled workroom</strong></td>
<td>Min. 10 air changes per hour</td>
</tr>
<tr>
<td>Exhaust</td>
<td>Negative pressure</td>
</tr>
<tr>
<td><strong>General equipment &amp; supply storage room</strong></td>
<td>min. 25 sf per procedure room</td>
</tr>
</tbody>
</table>
Architectural Requirements

(3)  __ Stretcher & wheelchair storage

(5)  __ Anesthesia equipment & supply storage

(4)  __ Emergency equipment storage

2.1-2.6.11.4  __ at least one emergency equipment storage location

(1)  __ under visual observation of staff

(2)  __ storage locations in corridors do not infringe on min. required corridor width

2.2-3.11.6.12  __ Environmental services room

__ exclusively for endoscopy procedure suite

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

2.2-3.11.6.13  __ Fluid waste disposal facilities

__ immediately accessible* to procedure rooms (clinical sink)

__ immediately accessible* to recovery stations (toilet equipped with bedpan washer)

2.2-3.11.7  SUPPORT AREAS FOR STAFF

2.2-3.11.7.1  __ Staff changing areas (may be shared with surgery department)

(1)(2)  __ locker area with one or more private changing rooms

(3)  __ lockers

(b)  __ toilets

(c)  __ handwashing stations

(d)  __ space for changing clothes

(e)  __ provision for separate storage of clean & soiled surgical attire

2.2-3.11.7.2  __ Lounge & toilet facilities (may be shared with other departments)

Ventilation:

Min. 10 air changes per hour  Table 7.1

__ Exhaust

2.2-3.11.8  SUPPORT AREAS FOR PATIENTS

2.2-3.11.8.1  __ Patient changing areas

(1)(2)  __ check if not included in project

(only if pre-procedure area has all private room or cubicles*)

__ provisions for storing patient belongings

__ toilet

__ changing or gownsing area
### Architectural Details & MEP Requirements

#### 2.1-7.2.2 ARCHITECTURAL DETAILS

**2.1-7.2.2.1**
- Aisles, corridors & ramps required for exit access in a hospital not less than 8'-0" in clear & unobstructed width
- Code Review Sheet establishing compliance with NFPA 101 has been submitted
- Aisles, corridors & ramps in adjunct areas not intended for the housing, treatment, or use of inpatients not less than 44" in clear width

**2.1-7.2.2.2**
- **CEILING HEIGHT:**
  - **(1)** Min. ceiling height 7'-6" in corridors & normally unoccupied spaces
  - **(2)** Min. height 7'-0" in radiography, procedure & operating rooms from floor to lowest protruding element of equipment or fixture in stowed position
  - **(3)** Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path for patients in beds and/or on stretchers
  - **(4)** Min. ceiling height 7'-10" in other areas

**2.1-7.2.2.3**
- **DOORS & DOOR HARDWARE:**
  - **(1)** 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)** Min. 45.5" clear door width for diagnostic/treatment areas
  - Min. 83.5" clear door height for diagnostic/treatment areas
  - **(3)** Swinging doors for personnel use in addition to sliding doors □ check if not included in project
    - Min. clear width 34.5"
  - **(4)** Doors do not swing into corridors (except doors to non-occupiable spaces & doors with emergency breakaway hardware)
  - **(5)** Lever hardware
  - **(6)** Doors for patient toilet facilities

**2.1-7.2.2.7**
- **GLAZING MATERIALS:**
  - **(4)** Glazing within 18" of floor □ check if not included in project
    - Safety glass, wire glass or plastic break-resistant material

**2.1-7.2.2.8**
- **HANDWASHING STATIONS:**
  - **(1)** 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
    - Porcelain, stainless steel or solid surface materials
    - 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)** Liquid or foam soap dispensers
  - **(7)** Directly accessible* to sinks

**2.1-7.2.2.9**
- **GRAB BARS:**
  - **(2)** Grab bars anchored to sustain concentrated load of 250 lbs.

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

2.1-7.2.3 SURFACES
2.1-7.2.3.1 FLOORING & WALL BASES:
(1) Selected flooring surfaces cleanable & wear-resistant for location
(2) Smooth transitions between different flooring materials
(3) Flooring surfaces, including those on stairways, stable, firm & slip-resistant
(4) If carpet, provides stable & firm surface
(5) Floors & wall bases of soiled workrooms, toilet rooms & other wet cleaned areas are not physically affected by cleaning solutions

2.1-7.2.3.2 WALLS & WALL PROTECTION:
(1) Washable wall finishes
(2) Wall finishes near plumbing fixtures smooth, scrubbable & water-resistant
(3) Monolithic wall surfaces in areas routinely subjected to wet spray or splatter
(4) No sharp, protruding corners
(5) Wall protection devices & corner guards durable & scrubbable

2.1-7.2.3.3 CEILINGS:
(1) Ceilings in areas occupied by patients & in clean rooms & soiled rooms:
   (a) cleanable with routine housekeeping equipment
   (b) acoustic & lay-in ceilings
(2) Ceiling finishes in endoscopy procedure rooms & endoscopy instrument processing:
   (a) capable of withstanding cleaning with chemicals
   (b) lay-in ceiling

(b) no perforated, tegular, serrated, cut, or textured tiles

2.1-8.2 HEATING, VENTILATION, & AIR-CONDITIONING (HVAC) SYSTEMS
4/6.3.1 Outdoor Air Intakes:
4/6.3.1.1 Located min. 25 feet from cooling towers & all exhaust & vent discharges
4/6.3.1.2 Bottom of air intake is at least 6'-0" above grade
4/6.4 Filtration:
4/6.4.1 Filter Bank #1 placed upstream of heating & cooling coils
4/6.4.2 Filter Bank No. 2 installed downstream of cooling coils & supply fan
4/6.7 Air Distribution Systems
4/6.7.1 Ducted return or exhaust systems in spaces listed in Table 7.1 with required pressure relationships
4/6.7.3 Smoke & Fire barriers:
4/6.9 Duct Lining:
4/7. Space Ventilation:
4/7.1 Spaces ventilated per Table 7.1
4/7.2 Air movement from clean areas to less clean areas
4/7.3 Min. number of total air changes indicated either supplied for positive pressure rooms or exhausted for negative pressure rooms
4/7.4 Recirculating room HVAC units
4/7.5 min. MERV 6 filter for airflow downstream of cooling coils

MDPH/DHCFLC 05/15 IP22
2.1-8.2.1.1 Acoustic Considerations:
- Equipment location or acoustic provisions limit noise associated with outdoor mechanical equipment to 65 dBA at building façade

2.1-8.2.1.2 Ventilation & Space-Conditioning:
- All rooms & areas used for patient care have provisions for ventilation
- Mechanical ventilation provided for all rooms & areas in facility in accordance with Table 7.1 of Part 4

2.1-8.2.3.1 Exhaust Systems:
- Room routinely used for administering inhalation anesthesia & inhalation analgesia
- Anesthesia scavenging system with air supply at or near ceiling & exhaust air inlets near floor level
- Gas-collecting system arranged so as not to disturb patients respiratory systems
- Gases from scavenging system exhausted directly to outside

2.1-8.3 ELECTRICAL SYSTEMS

2.1-8.3.2 ELECTRICAL DISTRIBUTION & TRANSMISSION
2.1-8.3.2.1(1) Switchboards Locations:
- Located in areas separate from piping & plumbing equipment
- Not located in rooms they support
- Accessible to authorized persons only
- Located in dry, ventilated space free of corrosive gases or flammable material

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

2.1-8.3.3.1 EMERGENCY ELECTRICAL SERVICE
- Emergency power per NFPA 99, NFPA 101 & NFPA 110

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

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

2.1-8.3.7 CALL SYSTEMS
- Nurse call equipment legend includes patient stations, bath stations, staff emergency stations & code call stations
2.1-8.3.7.1 Nurse call system locations provided as required in Table 2.1-2
2.1-8.3.7.2 Nurse call systems report to attended location with electronically supervised visual & audible signals
2.1-8.3.7.3 Call systems meet requirements of UL 1069 Standard for Hospital Signaling & Nurse Call Equipment
2.1-8.3.7.4 Wireless system
- Check if not included in project
- Meet requirements of UL 1069
2.1-8.3.7.5 Bath Stations:
- Provided at each patient toilet
- Alarm turned off only at bath station where it was initiated
- Located to side of toilets within 12" of front of toilet bowl & 3'-0" to 4'-0" above floor

2.1-8.3.7.4 Staff emergency stations for summoning local staff assistance for non-life-threatening situations at each patient care location
2.1-8.3.7.5 Code call station equipped with continuous audible or visual signal at point of origin
2.1-8.4.2 PLUMBING & OTHER PIPING SYSTEMS

2.1-8.4.2.5 Heated Potable Water Distribution Systems:
(2) systems serving patient care areas are under constant recirculation
(3) non-recirculated fixture branch piping does not exceed 25'-0" in length
(4) water-heating system has supply capacity at minimum temperatures & amounts indicated in Table 2.1-3

(5) handwashing stations supplied as required above
or
(6) handwashing stations supplied at constant temperature between 70°F & 80°F using single-pipe supply

2.1-8.4.6 Drainage Systems:
(1) 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

2.1-8.4.3.1 Materials material used for plumbing fixtures non-absorptive & acid resistant

2.1-8.4.3.2 Handwashing Station Sinks:
(1) basins reduce risk of splashing to areas where direct patient care is provided, sterile procedures are performed & medications are prepared
(2) basin min. 144 square inches
(3) min. dimension 9 inches
(4) made of porcelain, stainless steel, or solid-surface materials
(5) water discharge point of faucets at least 10 inches above bottom of basin
(6) anchoring for sinks withstands min. vertical or horizontal force of 250 lbs.
(7) fittings operated without using hands for sinks used by medical & nursing staff, patients, public & food handlers

(a) blade handles or single lever
min. 4 inches long
provide clearance required for operation
or
(b) sensor-regulated water fixtures
meet user need for temperature & length of time water flows designed to function at all times & during loss of normal power

2.1-8.4.3.5 Clinical Sinks:
check if not included in project
(1) trimmed with valves that can be operated without hands
(2) handles min. 6 inches long
integral trap wherein upper portion of water trap provides visible seal

2.1-8.4.4 MEDICAL GAS & VACUUM SYSTEMS

(1) Station outlets provided as indicated in Table 2.1-4

2.1-8.4.4.2 Vacuum discharge at least 25'-0" from all outside air intakes, doors & operable windows

2.1-8.6.2 ELECTRONIC SURVEILLANCE SYSTEMS
check if not included in project

2.1-8.6.2.1 Devices in patient areas mounted in unobtrusive & tamper-resistant enclosures

2.1-8.6.2.2 Monitoring devices not readily observable by general public or patients

2.1-8.6.2.3 Receive power from emergency electrical system