COMPLIANCE CHECKLIST

OP19_Mobile or Transportable Medical Units

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 Outpatient Facilities 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
- 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
- EX = Check box under section titles or individual requirements lines for optional services or functions that are not included in project 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:

2.13 Architectural Requirements (CLASS 1 IMAGING SERVICES)

- 2.13-1.1 **APPLICATION**
- 2.13-1.1.1.1 ____ Mobile/transportable medical units that are used on temporary basis
- 2.13-1.1.1.4 Proposed mobile/transportable medical unit is <u>not</u> a modular/relocatable units that is prefabricated off-site & finished on-site & transported to permanent foundation
- 2.13-1.1.2.1(1) ____ Class 1 imaging room as described below: Table 2.1-5 Class 1 imaging room as described below: (X-ray, fluoroscopy, mammography, CT scanner, ultrasound, MRI, PET scanner & other imaging modalities that may use natural orifice entry & do not pierce or penetrate natural protective membranes)
- 2.13-1.1.2.1(2) ____ Provision of medical services for outpatients
 - ___ Provision of medical services for inpatients
 □ check if <u>not</u> included in project
- 2.13-1.1.3 Mobile/Transportable Medical Unit Documentation:
- 2.13-1.1.3.1(1) ____ plans of mobile/transportable medical unit from its manufacturer have been submitted to DPH Plan Review ____ plans are signed & stamped by
 - architect or professional engineer

2.13-1.3	SITE
2.13-1.3.1 2.13-1.3.1.2 (1) (2)	Mobile/Transportable Medical Unit Location: parked on solid level surface safeguards be in place to prevent movement of unit while in use. securing techniques as defined by unit manufacturer
2.13-1.3.1.3	min. separation 25'-0" provided between any building outside air intake & any HVAC or generator exhaust from unit
2.13-1.3.1.4	 location of unit & routing of utilities avoid interference with appropriate access to & exiting from all occupied areas including exterior means of egress to public way
2.13-1.3.1.5	access point to mobile/transportable unit from host facility does not interfere with emergency egress from that facility
2.13-1.3.1.6	unit location does not interfere with fire lanes & direct access to host facility by emergency personnel & vehicles
2.13-1.3.1.7	 unit sited to accommodate delivery services being provided to host facility

Architectural Requirements

	Architectural Requirements
2.13-1.3.1.7	unit is located where it does not interrupt normal delivery of services for host facility & not block facility infrastructure
2.13-1.3.1.8	unit located near vehicular drives or parking areas □ check if <u>not</u> included in project impact barriers are provided
2.13-1.3.1.9	tractors with fuel tank capacity of less than or equal to 100 gallons are detached & located more than 10'-0" from host facility or
	tractors with fuel tank capacity greater than 100 gallons comply with NFPA 30
2.13-1.3.3	Access to Mobile/Transportable Medical Unit from Host Facility:
2.13-1.3.3.1	access to unit provided for wheelchairs,
(1)	gurneys/stretchers & patients with walkers electric power lift □ check if <u>not</u> included in project
2.13-1.3.3.2	connected either to host facility's essential electrical system or to unit's essential power supply system protection from rain, sleet, wind & snow during transport of patients from host
	facility to mobile/transportable unit
140.209(A)(1)	mobile medical service is connected to host location by enclosed passageway that protects patients from inclement weather & temperature extremes
140.209(A)(2)	mobile medical service is accessible to patients only through emergency, ambulatory care or radiology service areas no access through inpatient or non-patient areas of the host location
2.13-1.3.3.3	access to mobile/transportable unit from host facility is marked & lighted
2.13-1.3.4 2.13-1.3.4.1	Site Utilities: mobile unit is provided with utilities that include power, telephone & fire alarm connections & may include waste & water to meet requirements of medical services provided
2.13-1.3.4.2 (1)	Protection of Electrical Connections: concealment in conduits
(2)	or burial underground
(3)	or installation overhead
	-

MDPH/DHCFLC

	Architectural Requirements	E
2.13-1.3.5 2.13-1.3.5.1 2.13-1.3.5.2(1) 2.13-1.3.5.2(2) 2.13-1.3.5.2(3) 2.13-1.3.5.3	Pad for Mobile/Transportable Medical Unit: level parking area or concrete pad meets local state & seismic codes conforms to manufacturer's requirements designed to support loads of unit unit secured in place to prevent unintentional movement	
2.13-1.3.6	Mobile/Transportable MRI Medical Unit:	
2.13-1.3.6.1	 Check if <u>not</u> included in project Restricted entry to static magnetic field of 5 Gauss or greater for all persons who did not pass screening for magnetic field contraindications 	
2.13-1.3.5.2 2.1-3.5.5.1	MRI Suite Safety:	
(1) (2) (a)	 MRI suite with static magnetic field of 9 gauss contained within MRI scanner device conforms to manufacturer's siting guidance or MRI suite with static magnetic field of 9 gauss that extends beyond MRI scanner device MRI suite conforms to 4-zone screening & access control protocols identified in current edition of American College of Radiology's "ACR Manual on MR Safety", as summarized below. Zone I: all areas that are freely accessible to the general public Zone II: interface between the publicly accessible uncontrolled Zone I & strictly controlled Zone III (space for screening questions & ferromagnetic detection) Zone III: Controlled access areas reserved to screened persons & MRI personnel due to interactions between MRI scanner magnetic field and persons or equipment Zone IV: MRI scanner room where access must be supervised by MRI personnel 	
(b)	MRI suite as well as spaces around, above & below (comply with IEC Standard 60601- 2-33 to prevent unscreened individuals from entering 9-gauss volume around MRI equipment & to minimize electromagnetic or radiofrequency interference to or from other	

radiofrequency interference to or from other

equipment

Architectural Requirements

(c) (i) (ii) (iii) (iii) (iv) (v) (vi) (vi	 Specific support areas for MRI Suite:
2.13-1.3.7	Mobile/Transportable Medical Unit with Ionizing Radiation (X-Ray & Gamma Ray) Sources: (e.g. X-ray, fluoroscopy, mammography, CT scanner, or PET scanner) check if <u>not</u> included in project
2.1-3.5.1.2	Radiation protection: certified radiation physicist representing owner has specified type, location & amount of radiation protection to be installed in accordance with layout & equipment selections specifications of radiation shielding have been submitted to DPH Radiation Control Program
(1)	shielded control alcove or room
(a)	control room or alcove is at min. sized & configured in compliance with equipment manufacturer's recommendations for installation service & maintenance
(c)	 control room or alcove includes shielded view window designed to provide full view of exam table & patient at all times including full view of patient during imaging activities (e.g. when table is tilted or chest X-ray is in use) or use of closed-circuit video monitoring in addition to view window
(2)	radiation protection requirements are incorporated into specifications & engineering plans

Compliance Cr	necklist: Mobile of Transportable Medical Units		Page 6 of 11
	Architectural Requirements	Building Systems Requirements	
2.13-3	PATIENT CARE & DIAGNOSTIC AREAS		
2.13-3.1 2.13-1.1.2.1(1)	Mobile/Transportable Imaging Medical Units:		
2.1-3.5.1.2 Table 2.1-5	Class 1 imaging room (for X-ray, fluoroscopy, mammography, CT scanner, ultrasound, MRI, PET scanner & other imaging modalities that may use natural orifice entry & do not pierce or penetrate natural protective membranes)		
	Flooring: cleanable & wear-resistant for the location; stable, firm & slip-resistant	Ventilation: Min. 6 air changes per hour	Table 8-1
	Wall Finishes: washable Ceiling: cleanable with routine housekeeping equipment	Power: Min. 8 receptacles 4 on each lateral side of the imaging gantry	Table 2.1-1
2.13-3.1.1 2.13-3.1.1.1(1) (a)	Space Requirements: rooms sized & arranged to accommodate required equipment & clearances in accordance with manufacturer technical specifications manufacturer technical specifications have been submitted to DPH Plan Review		
2.13-3.1.2.1	handwashing station		
2.13-3.1.2.2	or hand sanitation dispenser		
2.13-3.2 2.13-3.2.1	Pre- & Post-Procedure Patient Care: holding area in mobile/transportable unit or holding area readily accessible in host facility		
2.13-3.8	SUPPORT AREAS FOR MOBILE/ TRANSPORTABLE MEDICAL UNITS		
2.13-3.8.1	(may be located either in unit or in host facility provided they are readily accessible* to unit)		
2.13-3.8.1.11 2.1-3.8.11.2 (1) (2) (3) 2.1-3.8.11.3	Clean workroom or clean work area work counter handwashing station storage for clean & sterile supplies or	Ventilation: Min. 4 air changes per hour Positive pressure Ventilation:	Table 8-1
2.1-0.0.11.0	Clean supply room or clean supply area used only for storage & holding as part of system for distribution of clean & sterile materials	Min. 4 air changes per hour Positive pressure	Table 8-1

	Architectural Requirements	Building Systems Requirements	
2.13-3.8.1.12 (3) 2.1-3.8.12.1	 Soiled workroom (may serve both mobile/ transportable unit & adjacent unit in host facility) does not have direct connection with clean workrooms or clean supply rooms 	Ventilation: Min. 10 air changes per hour Exhaust Negative pressure	Table 8-1
140.204 140.204 2.1-3.8.12.2(1)	handwashing station clinical service sink work counter	No recirculating room units	
(d) 2.1-3.8.12.2 (1)(e)	space for separate covered containers for waste & soiled linen		
2.1-3.8.12.2(2)	fluid waste management system □ check if <u>not</u> included in project		
(a)	electrical & plumbing connections that meet manufacturer requirements		
(b)	space for docking station		
2.13-3.8.13 2.13-3.8.13.1	Equipment & supply storage Incated in mobile/transportable medical unit		
	or located in host facility adjacent to host facility's access point to unit		
2.13-3.8.14 2.1-5.3.1.2(1) 2.1-5.3.1.2(2)	 Environmental services closet service sink or floor-mounted mop sink provisions for storage of supplies & 	Ventilation: Min. 10 air changes per hour	Table 8-1
2.1-5.3.1.2(3)	housekeeping equipment handwashing station or hand sanitation	Exhaust Negative pressure	
2.13-3.8.14.2	dispenser located in mobile/transportable medical unit	No recirculating room units	
	or located in host facility readily accessible to unit		
2.13-3.10 2.13-3.10.1 2.13-3.10.1.1 2.13-3.10.1.2	SUPPORT AREAS FOR PATIENTS Patient changing area designed for privacy located in mobile/transportable medical		
	or located in host facility readily accessible to unit		
2.13-3.10.2	Patient toilet room located in mobile/transportable medical unit or located in host facility readily accessible to unit	Ventilation: Min. 10 air changes per hour Exhaust Negative pressure No recirculating room units	Table 8-1
2.13-3.10.3 2.1-3.2.2.10(4)	Storage for patients provisions for securing patients personal effects	-	

•	ľ	0
	Architectural Requirements	Building Systems Requirements
2.13-6.2	PUBLIC AREAS	
2.1-6.2.1 2.1-6.2.1.1	Vehicular drop-off & pedestrian entrance min. of one building entrance reachable from grade level	
2.1-6.2.1.2	building entrances used to reach outpatient services are clearly marked	
2.1-6.2.1.3	 building entrances used to reach outpatient services located so patients need not go through other activity areas (except for shared lobbies in multi- occupancy buildings) 	
2.1-6.2.2	Reception reception & information counter desk or kiosk provided either at main entry or at each clinical service	
2.1-6.2.3	Waiting area	
2.1-6.2.3.2	<pre> visible from staff area either by camera or direct staff sight line</pre>	
2.13-6.2.1 2.13-6.2.1.1	Public waiting space located in host facility	
2.13-6.2.1.1(1)	public waiting area or room	
2.13-6.2.1.2	 waiting area for patients to be received & wait for services provided in mobile/ transportable medical unit or waiting area for patients to be received & wait for services provided in host facility 	
2.13-6.2.1.1(2)	public toilet room readily accessible to mobile/	Ventilation: Min. 10 air changes per hour Table 8-1
2.1-6.2.4.1	transportable medical unit readily accessible* from waiting area without passing through patient care or staff work areas	 Exhaust Negative pressure No recirculating room units
2.13-6.2.1.1(3) 2.13-6.2.1.1(4)	 access to drinking water access to public communications services 	
2.1-6.2.7.1	 Wheelchair storage □ check if <u>not</u> included in project located out of required corridor width directly accessible to entrance provided for at least one wheelchair 	
2.1-6.2.7.2	 Wheelchair parking space designated area for at least one patient- owned wheelchair in non-public area located out of any required egress width or other required clearance 	

width or other required clearance

Architectural Requirements

	-
2.2-6.3 2.1-6.3.2	ADMINISTRATIVE AREAS Interview space (used for patient communication/interviews related to social services, credit, etc.)
(2) (1) 2.1-6.3.3	 check if <u>not</u> included in project (may be combined with consultation room) separate from public areas Office space for business administrative & professional staffs
2.1-6.3.5 2.1-6.3.5.1	 Medical records space provisions made for securing medical records of all media types used by facility location restricted to staff access to maintain confidentiality of record
2.1-6.3.5.2 (1) (2)	Space Requirements: space provided for medical records management physical space for electronic storage of forms or documents
	~

2.1-6.3.6 ____ Storage for office equipment & supplies

LOCATION TERMINOLOGY:

<u>Directly accessible</u>: 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	ARCHITECTURAL DETAILS	2.1-7.2.2.3	DOORS & DOOR HARDWARE:
2.1-7.2.2.1 IBC 1018.2	CORRIDOR WIDTH: <u>Min. 44</u> " or <u>Detailed code review incorporated in</u> Project Narrative	(1) (a) (b)	Door Type: doors between corridors, rooms, or spaces subject to occupancy swing type or sliding doors sliding doors check if <u>not</u> included in project
421 CMR 6.00 (2)	 Corridors include turning spaces for wheelchairs Corridors used for stretcher & gurney transport have min. corridor or aisle width of 6'-0" Check if <u>not</u> included in project 		manual or automatic sliding doors comply with NFPA 101 detailed code review incorporated in Project Narrative
2.1-7.2.2.2 (4)	CEILING HEIGHT: Min. height 7'-6" above floor of suspended tracks, rails & pipes located in traffic path Min. ceiling height 7'-10" in other areas	(2) (a) (3) (a)	no floor tracks Door Opening: min. 32" clear door width min. 83.5" clear door height Door Swing: doors do not swing into corridors
2.13-7.2 2.13-7.2.1.1	Architectural details for mobile/ transportable medical unit construction: min. corridor clear width 2'-8"		except doors to non-occupiable spaces & doors with emergency breakaway hardware
2.13-7.2.1.2	min. clear ceiling height 6'-8"	(4)	Lever hardware or push/pull latch hardware

(5) (a)	Doors for Patient Toilet Facilities: door that swings outward or door equipped with emergency rescue hardware (permits quick access from outside the room to prevent blockage of the door) or sliding door other than pocket	2.1-7.2.2.11	 RADIATION PROTECTION: □ check if no radiation emitting equipment is included in project Protection for X-ray & Gamma-ray installations are shown in the plans Documentation for radiation protection has been submitted separately to the DPH Radiation Control Program
	door	2.1-7.2.3	SURFACES
(b)	toilet room opens onto public area or corridor □ check if <u>not</u> included in project visual privacy is maintained	2.1-7.2.3.1 (1) (3)	FLOORING & WALL BASES: Flooring surfaces cleanable & wear-resistant for location Smooth transitions provided
2.1-7.2.2.8 (3)	HANDWASHING STATIONS:	(4)	between different flooring materials Flooring surfaces including those on stairways are stable, firm &
(a)	 Handwashing station countertops made of porcelain, stainless steel, solid-surface materials or impervious plastic laminate assembly 	(5)	slip-resistant Floors & wall bases of all areas subject to frequent wet cleaning are
(b)	Countertops substrate □ check if <u>not</u> included in project marine-grade plywood (or		constructed of materials that are not physically affected by germicidal or other types of cleaning solutions
(4)	equivalent material) with impervious seal Handwashing station casework	2.1-7.2.3.2 (1)(a)	WALLS & WALL PROTECTION: Wall finishes are washable
(')	 check if <u>not</u> included in project designed to prevent storage beneath sink 	(1)(b)	Wall finishes near plumbing fixtures are smooth, scrubbable & water-resistant
(5)	Provisions for drying hands □ check if <u>not</u> included in project (only at hand scrub facilities)	(2)	Wall surfaces in areas routinely subjected to wet spray or splatter (e.g. environmental services rooms) are
(a)	hand-drying device does not require hands to contact dispenser	(4)	monolithic or have sealed seams that are tight & smooth Wall protection devices & corner
(b)	hand-drying device is enclosed to protect against dust or soil		guards durable & scrubbable
(6)	Liquid or foam soap dispensers	2.1-7.2.3.3 (1)	CEILINGS: Ceilings provided in all areas except
2.1-7.2.2.9 (1)	GRAB BARS: Grab bars anchored to sustain concentrated load 250 pounds	(a)	mechanical, electrical & communications equipment rooms Ceilings cleanable with routine
(3)	Ends of grab bars constructed to prevent snagging clothes of patients staff & visitors	(b)	 housekeeping equipment Acoustic & lay-in ceilings where used do not create ledges or crevices
2.1-7.2.2.10	HANDRAILS:	2.1-7.2.4.3	Privacy curtains in patient care areas are washable
(1)	□ check if <u>not</u> included in project		
(1) (2)	 Rail ends return to wall or floor Handrail gripping surfaces & fasteners are smooth (free of sharp or abrasive elements) with 1/8-inch min. radius 		
(3) (4)	 Handrails have eased edges & corners Handrail finishes are cleanable 		

Class 1 Mobile/Transportable Units: (limited to provision of non-invasive diagnostic & treatment services without use of anesthetics) min. indoor winter design capacity temperature 75°F for all patient areas controls for adjusting temperature as appropriate for patient activities & comfort Ventilation & space-conditioning requirements: all occupied areas are ventilated by mechanical means
 min. indoor winter design capacity temperature 75°F for all patient areas controls for adjusting temperature as appropriate for patient activities & comfort Ventilation & space-conditioning requirements: all occupied areas are ventilated
 controls for adjusting temperature as appropriate for patient activities & comfort Ventilation & space-conditioning requirements: all occupied areas are ventilated
Ventilation & space-conditioning requirements: all occupied areas are ventilated
by moonamout moans
Air Intake: located min. of 25'-0" from cool- ing 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 all intakes are designed to prevent entrainment of wind- driven rain air intake for mobile/ transportable unit located min. of 25'-0" from all plumbing vents, exhaust fans sources of combustion idling vehicles &
any other sources of noxious fumes or odors
ELECTRICAL RECEPTACLES Receptacles in patient care areas are provided according to Table 2.1-1
COMMUNICATIONS SYSTEMS Emergency Communication System means for connecting unit to outpatient facility emergency communication system telephone located inside unit to communicate directly with host facility's public branch exchange or continually staffed location inside

2.13-8.4	PLUMBING SYSTEMS
2.13-8.4.2.1 2.13-8.4.2.3	Water Supply to Mobile Unit: check if <u>not</u> included in project water supply lines to unit have means of freeze protection water supply connection
	backflow prevention installed at point of water connection on unit Waste Connection from Mobile Unit
	check if not included in project
2.13-8.4.2.1	sanitary lines from unit have means of freeze protection
2.13-8.4.2.4	waste lines designed to discharge into host facility sanitary sewage system or directly into utility sewage system