AGITO MEDICAL

Site Planning Guide

Siemens Aera 1.5T

MR34 - Relocatable Unit

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01 Introduction

This site planning guide shortly presents the unit and describes preparations needed to be made by the client, in order to receive and connect the mobile unit.

The site must be prepared with respect to this site planning guide in order to ensure that the unit can function properly. This site planning guide exclusively describes the relocatable unit. Please refer to the system data sheet and OEM system manual for a describtion of the installed system.

02 Relocatable Unit Specifications

2.1 Dimension and weight

Length	15,00 m
Width during transport	4,20 m
Height (not including quench)	3,30 m
Weight of unit	26.000 kg
Weight of flatbed trailer and truck	TBD in each case
Total weight:	TBD in each case
Min. area for placement	18,00 x 7,20 m

2.2 RF shielding

The modular is equipped with RF shielding, ensuring that external disturbances outside the scan room, conforms to system standards at all times, if the minimum area for placement is respected.

2.3 Access to the modular unit

The unit can be accessed via the main door at the rear end of the unit leading to the operator room and on the right side leading to the technical room. The main entrance is equipped with a entrance ramp.

2.4 Phone & network

The unit is equipped with data lines (RJ45 sockets). Sockets are available, in the operator room, for auxiliary communication equipment such as computers, laptops or IP-telephones. The RJ45 sockets found inside the unit must be connected to the hospitals network, via the RJ45 connectors found in the technical room.

2.5 Fire alarm connecitons

Connections to external fire alarm signal is located in the technical room close to the main electrical switch board.

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03 Environmental Requirements

3.1 Physical requirements

- Area to be provided: 18,00 m x 7,20 m (L x W)
- Large moving/active metal objects – e.g. cars, busses, escalators, forklifts, trucks, transformers, helicopters, ambulances, lifts etc. should be kept at distance of min. 10 meters from magnet iso-center in order to ensure no disturbance is caused.
- A clearance of at least 1.50 meter is required all around the unit to allow for service work and maintenance and to avoid interference with the magnet's 5-gauss safety line.
- This must be respected at all times, and is included in above area requirement. Exceptions to the above requirements, can only be approved by an AGITO representative.
- A level (no more than 1% (0,6 degree)) tilt and solid surface with a loading capacity of 26 tons is necessary.
- Additional reinforcements are required on unstable ground. Suitable reinforcement could be concrete, road surfacing or pavement (bound material).
- If any high voltage electrical installations are nearby the request location, this may interfere with magnet field. Further info can be obtained upon request.

3.2 Electricity

Power/tension requirements	400V 3-phase, 50 Hz – fuse rated at 200A. 3-phase systems with insulated neutral and earth (TN-S - N + PE) Phase 1 - R or L1 Phase 2 - S or L2 Phase 3 - T or L3 Neutral - N Earth - PE
Norm connection plug	Marechal 250A-type plug, 3 phased/ N/E/, 5 poles (female Marechal 250A outlet to be provided by client).
Earthing of installation	The electrical supply side must provide a dedicated medical earth terminal, for connecting the earth tion of the unit.
Voltage variation	+/- 5 %
Frequency (Hz) variation	+/- 0,5 %
Distance to the main distributor box of the system	Advised max 15 m (cable lenght)
Emergency power stop switch	Installed in; scan room, operator room
Rotating field of the connection on site of the customer	L1, L2, L3 - rotation

Please note: A stable electric power supply meeting above specifications must be warranted for the whole rental. Cable protective ramps is client responsible if trafic is passing the cable.

3.3 Water

The unit needs water connected for the humidifier. Water is connected below the entrace door to the the technical room.

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04 Before Delivery

4.1 Preparations of access route

- The route to the installation location has to be trafficable for the flatbed vehicle, loading the modular building, as well as a crane (size depending on building placement)
- All obstacles, parked cars, low branches or other potential non-conformities to a failure-free access are to be removed prior to delivery.
- As the unit is a relocatable unit, being placed directly on the ground, it is necessary to consider access for flatbed truck, crane, as well as the area itself, where the building will be placed. The space requirements for delivery are therefore considerably higher than for trailer systems.
- AGITO Medical can provide a project manager or engineer, for consulting during planning regarding placement
- If a site visit is requested by the customer, AGITO Medical reserves the right to invoice this expense separately.
- Minimum width of the delivery/placement area would normally be approx. 15 m. and minimum length approx. 25 m.

Please note: The client is responsible for all necessary preparations of the installation location, the access route, as well as the provision of the required connections.

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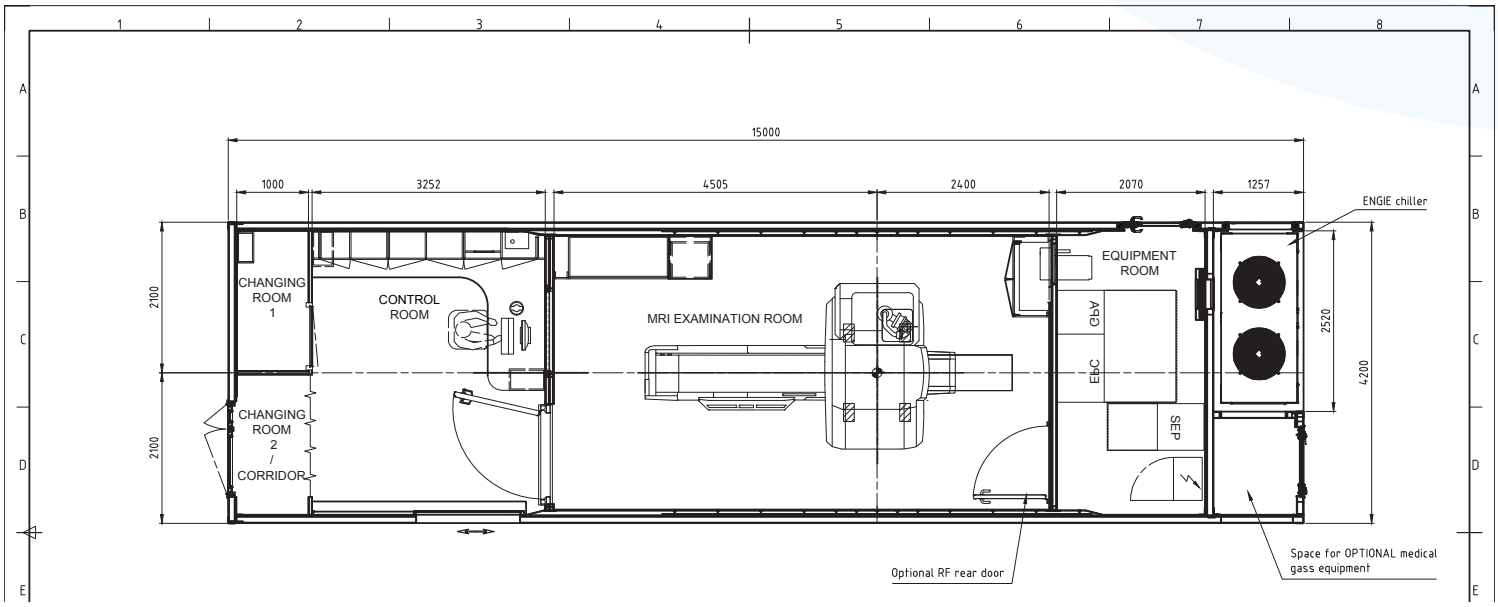
05 Relocatable Unit Layouts

5.1 Relocatable unit layouts



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