



Site Planning Guide

Type	CANON TIC
Chassis	DEMOUNTABLE
Job number	12957-12958



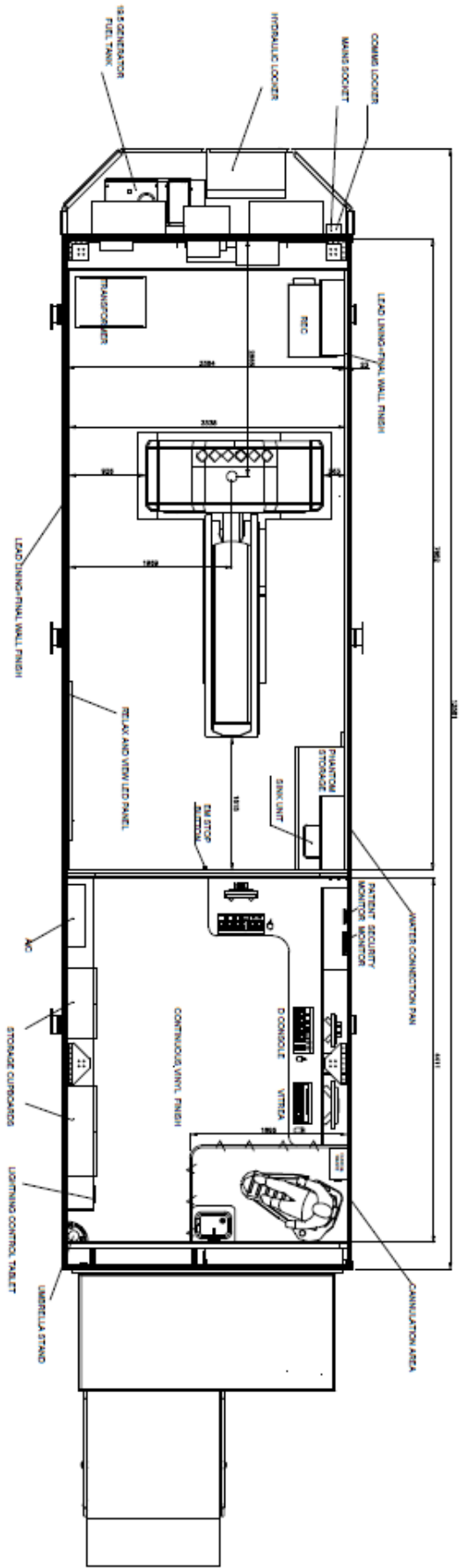
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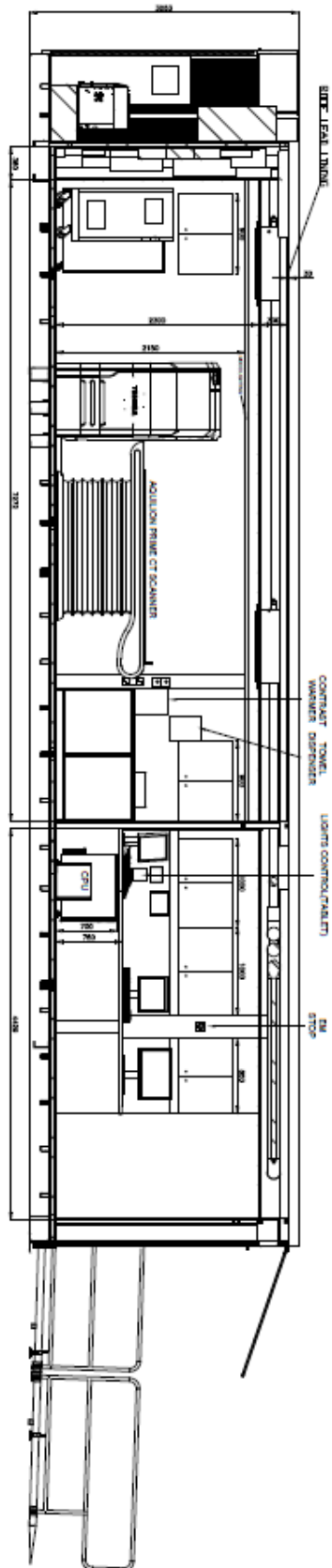
General Arrangement / Specifications

Specifications	
Vehicle Weight	N/A
Electrics	12/24 DC / 230/400 AC Volt
Overall Height	3.05M
Vehicle Width	3.5M
Vehicle Length	13.6M





SECTION A-A



Power And Data Connections

The main power and data connections can be found in the plant room area, located behind the highlighted door below. Note the cut out in the bottom of this door to pass the main supply cable through once connected.



Power And Data Connections

There is a 250Amp 3phase electrical connection point located on the nearside front of the unit. This is used to supply power to the whole unit. Adjacent to the mains power connection points contain main isolator and a comms box. The comms box allows the user to connect the unit to the data and fire alarm services of the adjacent hospital. The comms box includes 2 fire alarm connection ports and 6 CAT 6a connection ports. Any issues with any of these items should only be rectified by a trained electrician.



Fire Alarm

The unit has been fitted with the fire alarm system arranged in three zones, one for each of the rooms - control room, examination room and the tech room.



One smoke detector/sounder has been fitted in each of the rooms, in the ceiling.

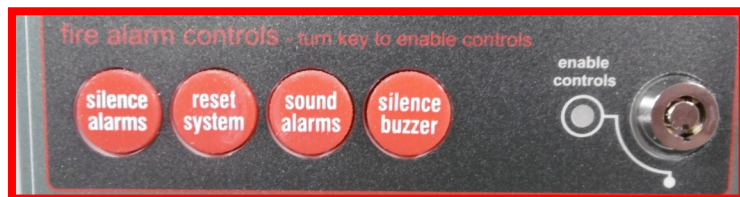
Fire alarm control panel is mounted in the control room, behind the second user position on the right as you enter the unit.



Fire Alarm



To enable the Fire Alarm Controls turn the key switch to the controls enabled position.



There are several alarm call points. One next to each of the doors leading into the unit.

The fire alarm test switch / main isolator is mounted to the side of the fire alarm control panel.



The fire alarm strobe and a sounder are mounted at the front of the unit, high level

The fire alarm system can be linked with the hospital that the unit is parked next to. Connection point is located next to the main power connection point, at the front of the unit.

For full operation instructions please refer to the manufacturers manual provided.

Hydraulics

Located on the O/S front the hydraulics locker can be found as seen below. To gain access use the key provided shown below and locate within the button locks also shown below and turn. This is also the same for access to the front plant room doors.



Hydraulics

The hydraulic system operates four levelling rams, two on the nearside and two on the offside of the unit. The rams have sufficient stroke to raise the unit off the ground such that a trailer can be driven underneath and the unit can be lowered onto the trailer for transportation. The rams can also be used to level the unit if parked on uneven ground.

The hydraulic system is 24v DC powered. All hydraulic system components, including battery bank, are located in the offside front locker.



- A - Hydraulic Isolator
- B - Hydraulic control
- C - Valve block
- D - Pump motor
- E - Oil reservoir
- F - Wired pendant

Hydraulics

Hydraulic legs are controlled via a wired pendant, stored in the hydraulic locker.



NOTE: When pressed in, the “POWER ON” button on the controller activates the pump. It must remain pressed in for the controller to work.

Procedure for positioning and levelling the unit

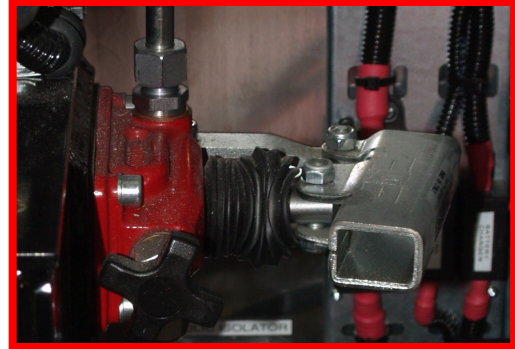
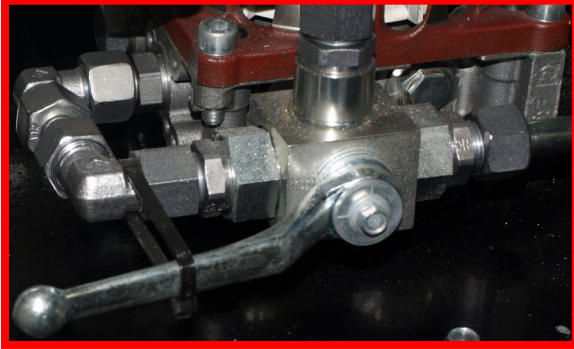
1. Once the trailer is in position spreader pads are placed directly below the hydraulic levelling rams.
2. Each ram is lowered down independently by holding the “Power On Button” and pressing the relevant “Down Button”.
3. Once the ram makes contact with the levelling pads release all buttons and move on to the next ram.
4. Remove any chains and ISO Twist Locks that are being used to secure the unit to the trailer.
5. The Unit will now need to be raised clear of the trailer by lowering the rams further. Press the “All Legs Down Button”.
6. Once the unit is clear the trailer can be removed.
7. It is not advisable to level the unit whilst at this height, so levelling should be undertaken with the unit close to the ground. LESS THAN 300mm is recommended. Press the “All Legs Up” button which will in turn lower the unit. Each ram lowering at the same rate.
8. The unit can now be levelled with the use of spirit level.
9. All of the rams can now be raised up with the “All Legs Up Button” until contact with the ground is made.



Plastic load spreading pads are located in the locker next to the mains power connection measuring 400x400x40mm thick

Hydraulics

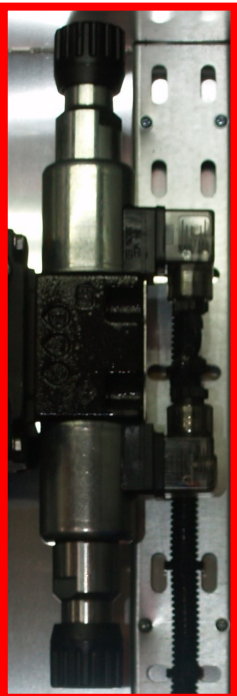
In case of the hydraulic system pump failure a manual override option has been provided. Please reposition the handle on top of the fluid reservoir to switch to the manual mode.



Attach the handle provided.



Manual override handle is stored in the hydraulics locker.



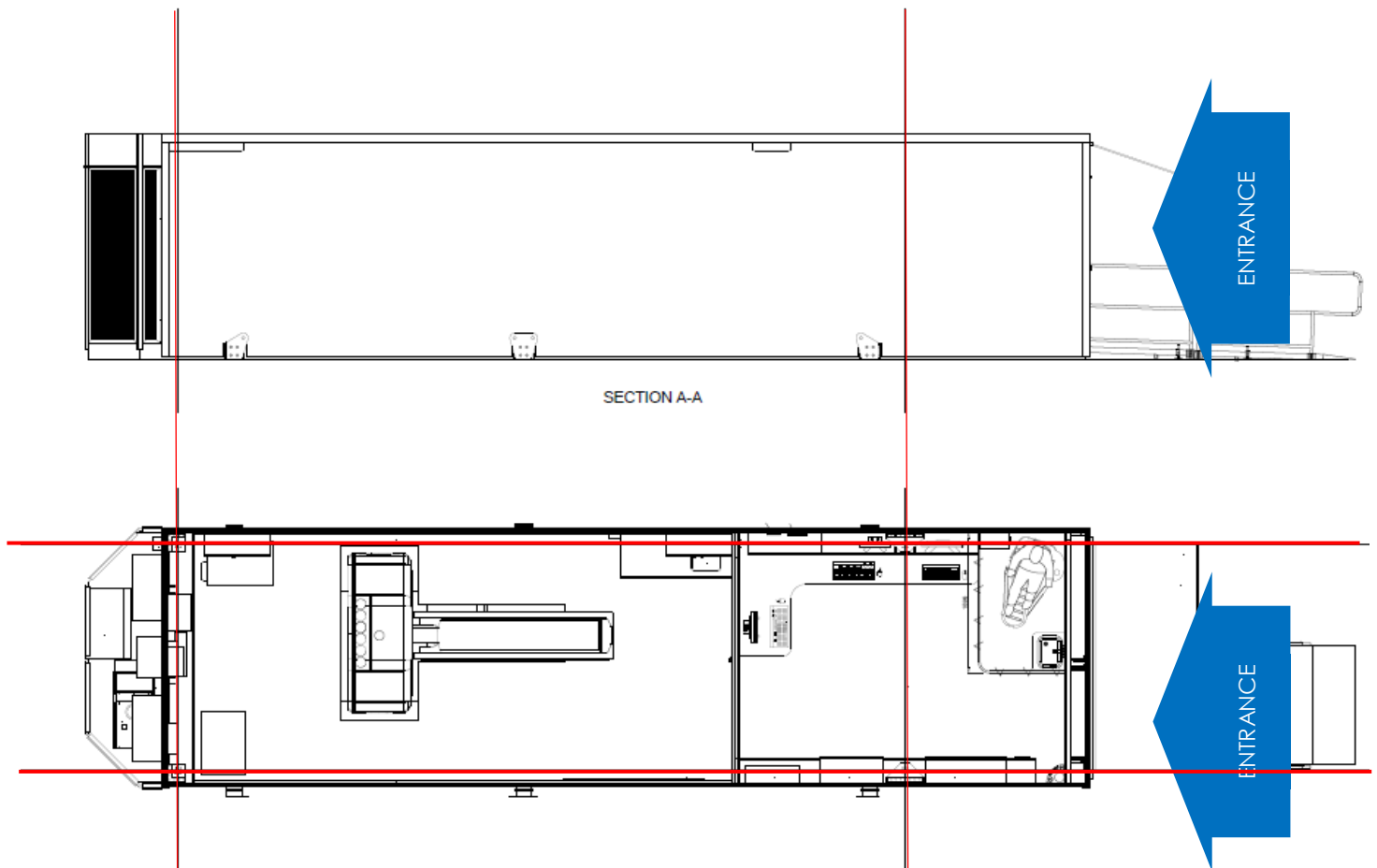
All the valves in the hydraulic locker are labelled. Please choose the one corresponding to the desired hydraulic ram, turn the black screw cap clockwise and operate the manual pump handle.

NOTE: If using one of the valves on the bottom part of the valve block turn it anticlockwise to activate it for manual operation.

After fully retracting/extending the desired hydraulic ram, turn the black screw cap back to its original position. Choose next valve and repeat the procedure.

Installation

The medical unit must be placed on foundations provided on site with at least 4 points of support. The plastic load spreading pads provided, should be use underneath each of the support points. The dimensions of the foundation has to be adapted to local circumstances, norms and frost line, under consideration of the local soil condition and the maximum possible loads. The levelness of the foundation is a precondition for a smooth assembly and the failure-free standing of the entire construction. Should the load points not be horizontally aligned, these must be highlighted in the width of the profile. The design of the foundations must ensure a free flow of rain water. During set up or placement of the unit (constructions), maximum permitted loads and regional conditions (e.g. snow loads) must be taken into account. Packaging and transport covers must be disposed of by the customer. Further technical information upon request.



Crane lifting brackets

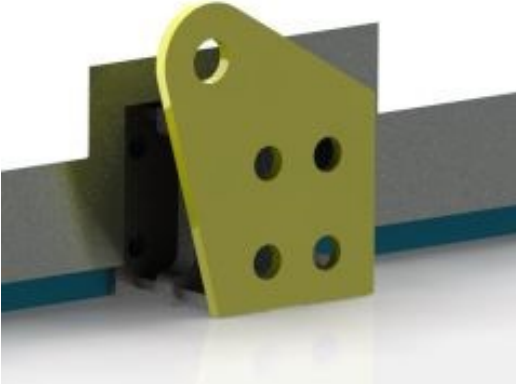


Fig 1



Fig 3

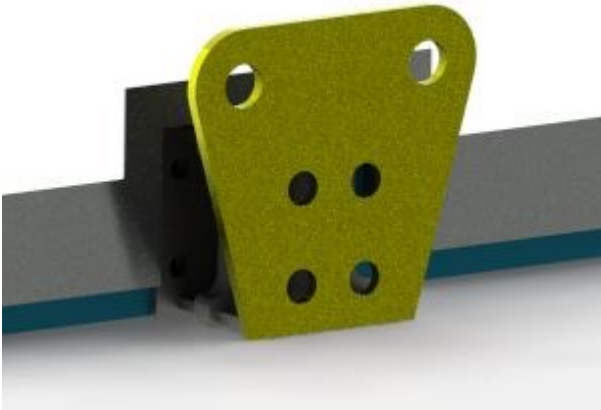


Fig 2

There are six crane lifting brackets fixed to the outside of the Unit, three on the offside and three on the nearside. These are used to deploy the Unit on site with the use of a crane and also to strap the Unit to the trailer.

When the Unit is needed to be deployed into place, chains and straps are attached to the attachments shown in Fig 1, 2 and 3. and lifted into place.

Fig 1 is showing the Rear crane lifting Bracket. Fig 2 is showing the Middle crane lifting bracket. Fig 3 is showing the Front crane lifting bracket.

Security Alarm

The unit has been fitted with a security alarm, the keypad for this alarm can be found by the entrance of the unit on the right hand side as you enter.



The outside alarm sander is mounted at the front of the unit, high level.

ALARM DEFAULT CODE - 0, 1, 2, 3

CT Power requirements

Power/tension requirements	400V, 250A – 50 HZ. Three-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.)
Voltage variation	+/- 10 %
Frequency (Hz) variation	+/- 1%
Distance to the main distributor box of the system	Advised max 10 m
Emergency power stop switch	In scan room, operator room and technical room.
Rotating field of the connection on the site of the customer	Indicator on board will show phase error

The unit is supplied with 15 metres of 95x5 H07 rubberised landline cable with a Marechal connections both ends.

Air Conditioning

The examination room will have the facility of 2 systems, each totally separated, with 1 unit positioned at high level above the tech equipment, this unit will be a 4-way blow cassette unit mounted behind CT Core, the other unit will also be a 4-way blow cassette unit mounted at the far end of the examination room at the patient bed end of the room. Each of these units will be controlled via their own remote controller position to be agreed. These units need to operate on the same setting to eliminate interference between each of them. The system will be set to change 10 times per hour.

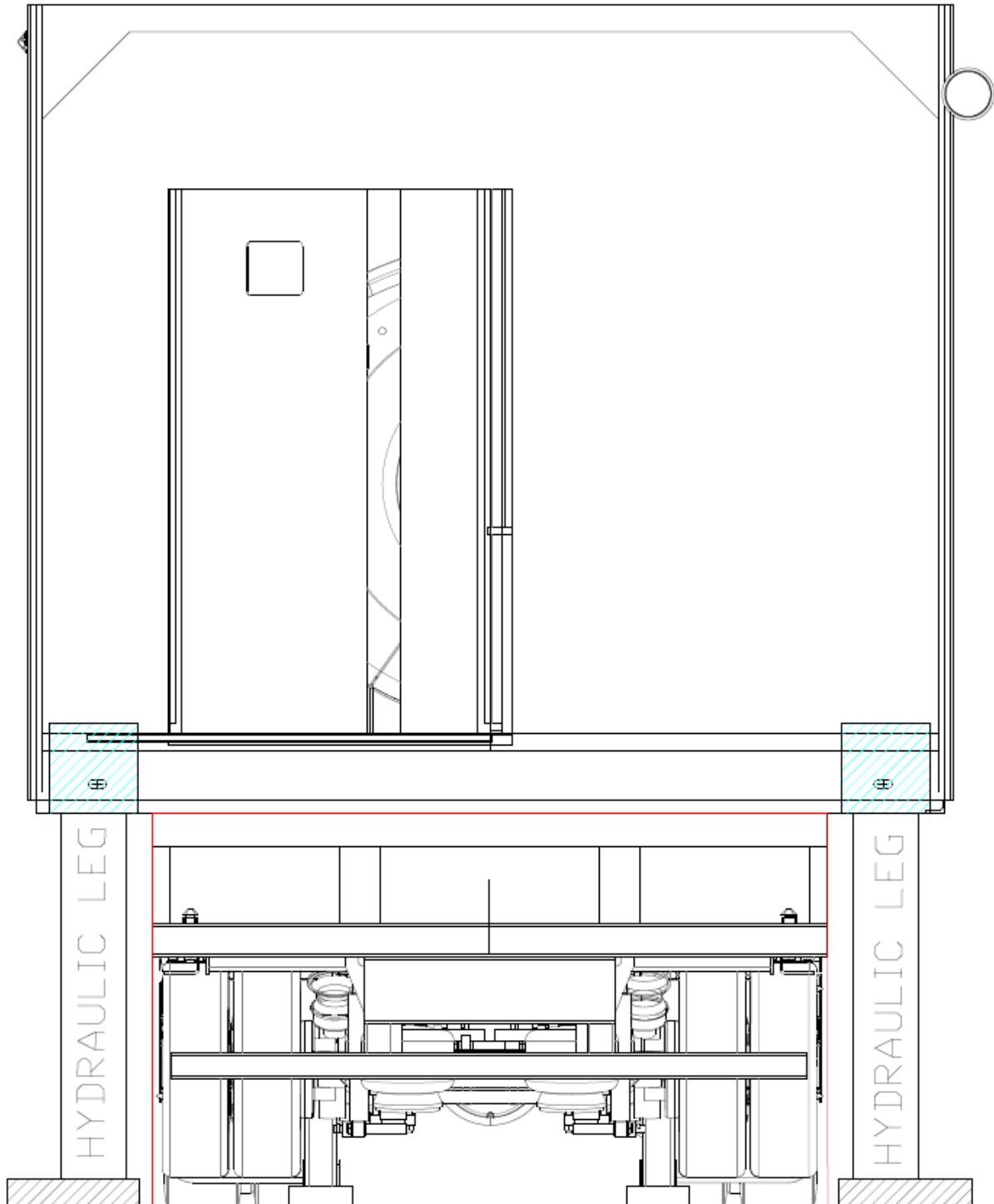
The condensate drainage from all systems will be gravity drain system for all the air conditioning units, termination will be down through the trailer unit to ground level. All final installations to be agreed on site during installation.

All units will set up for AUTO-START when power is connected. The systems could be linked to a BMS connection/interface.

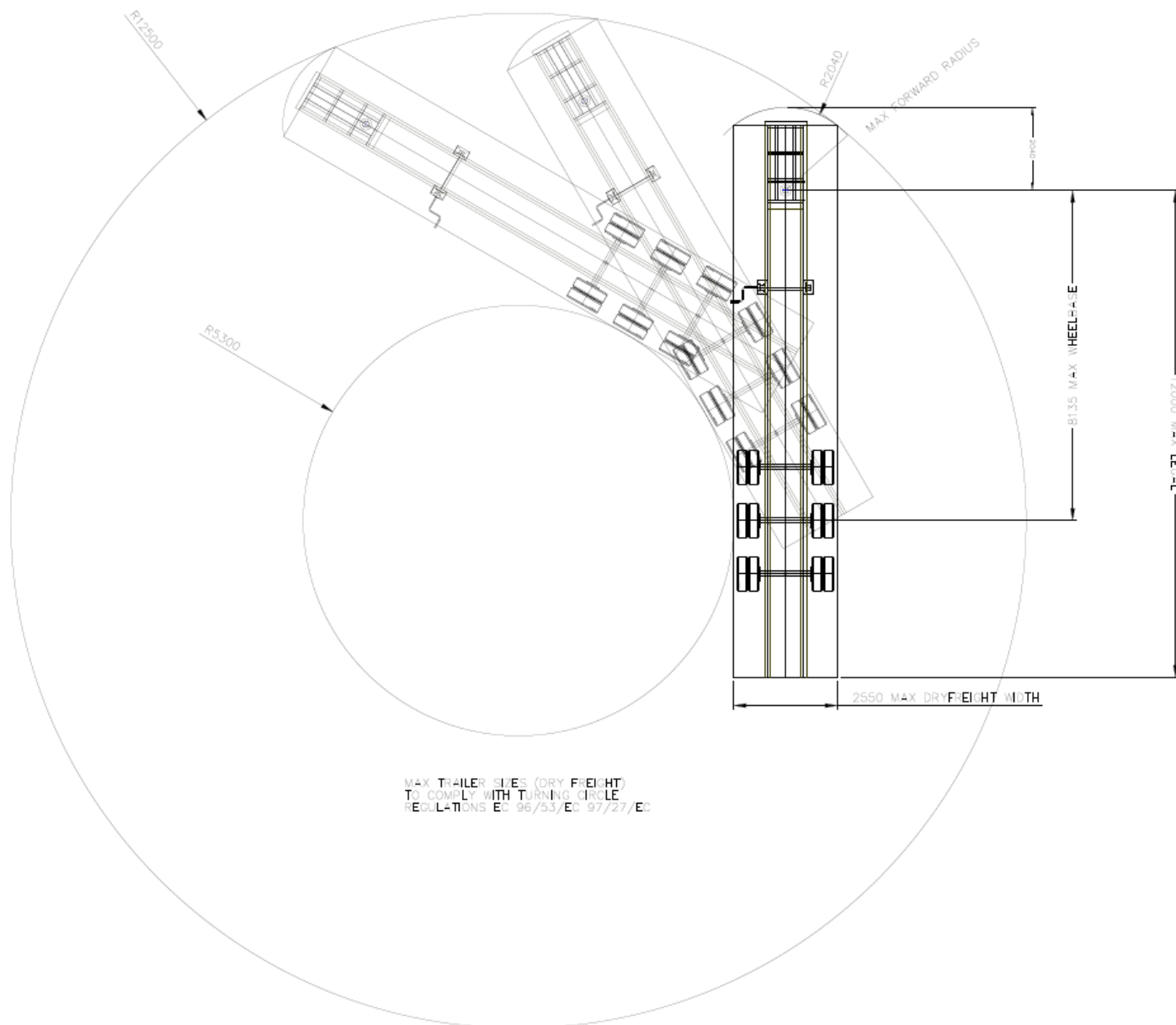
It is of extreme importance the humidity around the CT machine is kept to a MINIMUM to not damage the equipment with oxidation.

LIFTING LEGS/TRAILER ARRANGEMENT

The drawing below shows the way in which the trailer fits underneath the demountable unit where within the red rectangle is the trailer. Note the spacers required under the legs might require to be offset outward to let the trailer through. The legs are outlined by the red lines on page 12.



TURNING ANGLE WITH TRAILER





Notes



Bence



BENCE SERVICE
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