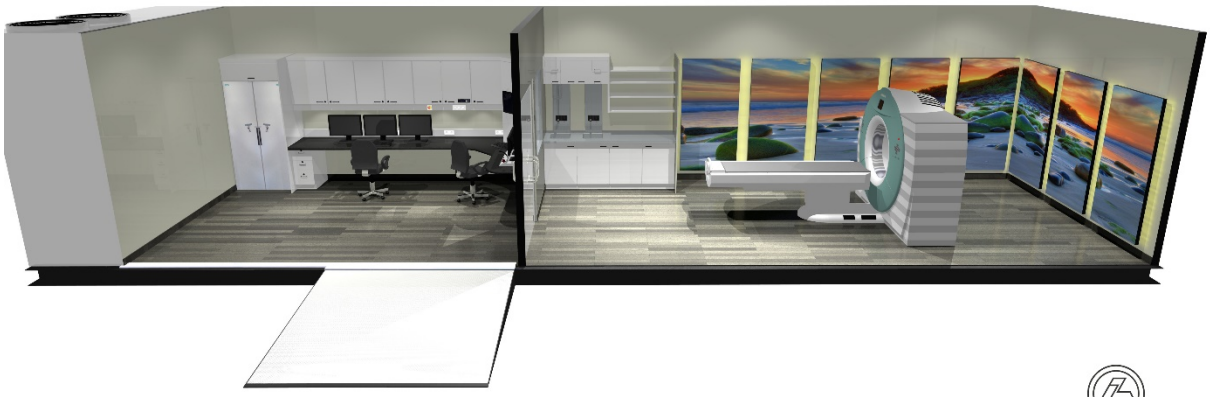
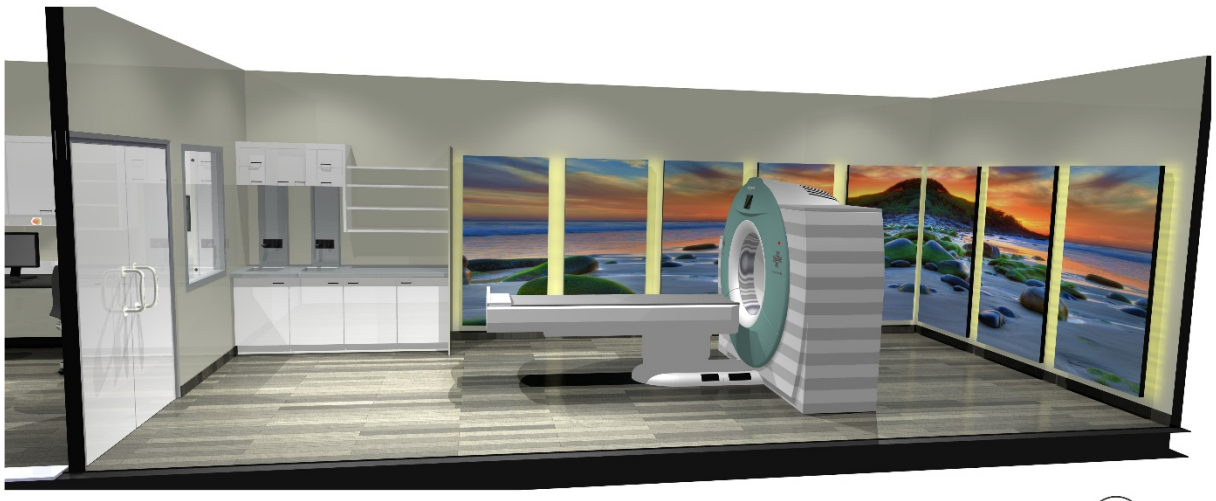
ANNEX C - CT 04 Specification CT container

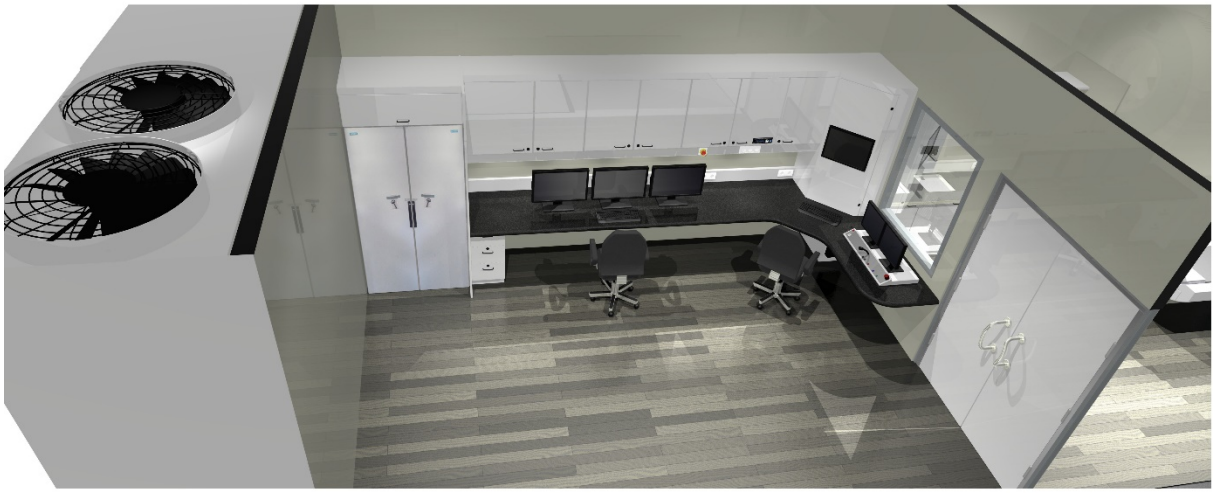
Production year
2019

General



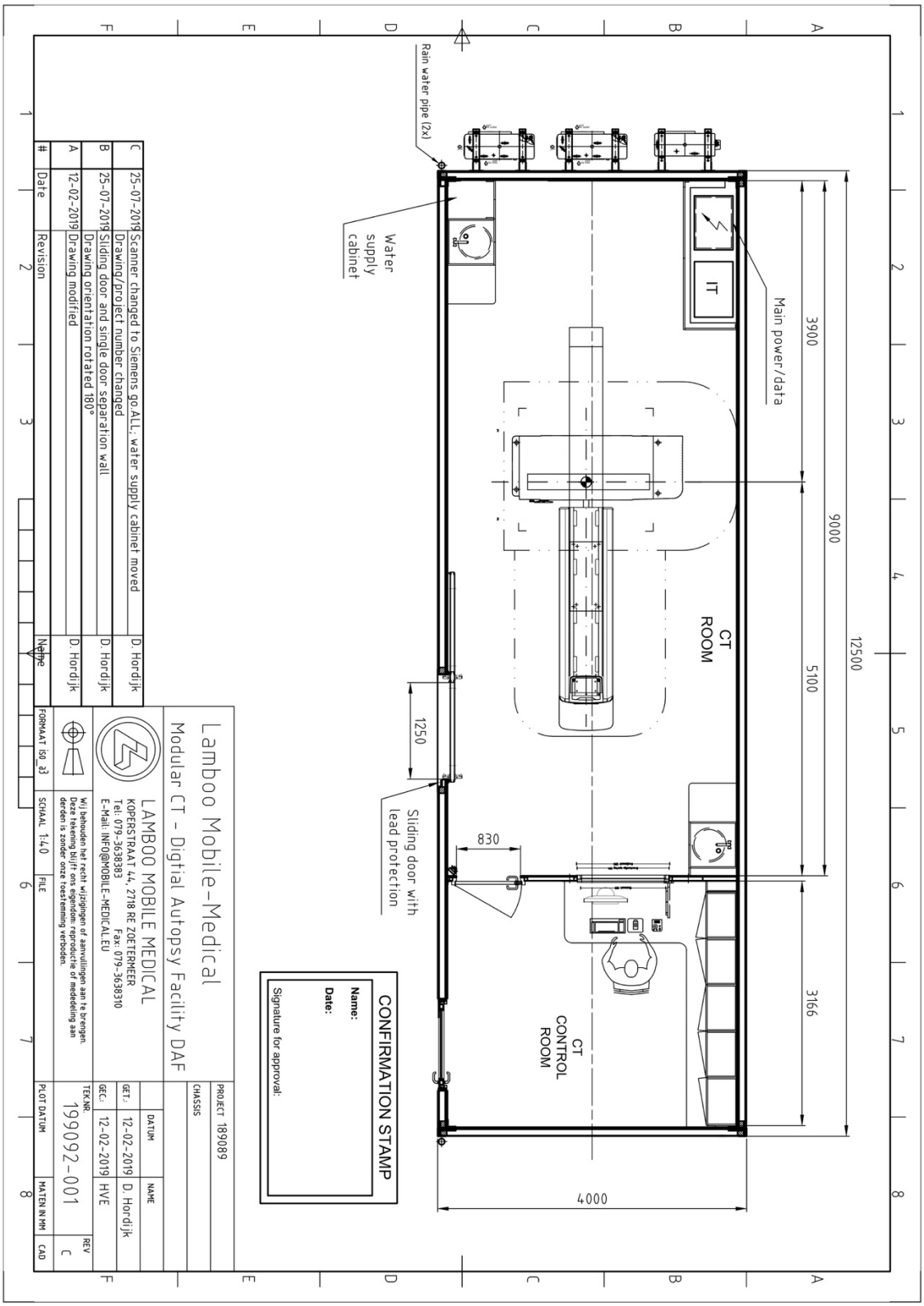


LAMBOO
MOBILE MEDICAL



LAMBOO
MOBILE MEDICAL

Lay Out


Rain water pipe (2x)
Water supply cabinet
IT
Main power/data
3900
9000
12500
5100
CT ROOM
1250
Sliding door with lead protection
830
3166
CT CONTROL ROOM
4000
CONFIRMATION STAMP
Name:
Date:
Signature for approval:
Lamboo Mobile-Medical
Modular CT - Digtial Autopsy Facility DAF
LAMBOO MOBILE MEDICAL
KOPERSTRAAT 44, 2718 RE ZOETERMEER
Tel: 079-3638383 Fax: 079-3638310
E-Mail: INFO@MOBILE-MEDICAL.EU
Wij behouden het recht wijzigingen of aanvullingen aan te brengen. Deze tekening blijft ons eigendom; reproductie of mededeling aan derden is zonder onze toestemming verboden.
PROJECT 189089
CHASSIS
DATUM
NAME
GET.: 12-02-2019 D. Hordijk
GEC.: 12-02-2019 HVE
TEK.NR. 199092-001
REV C
PLOT DATUM
MATEN IN MM
CAD
FORMAAT ISO_A3
SCHAAL 1:40
FILE
Date
Revision
Name
C 25-07-2019 Scanner changed to Siemens go.ALL; water supply cabinet moved D. Hordijk
B 25-07-2019 Drawing/project number changed
Sliding door and single door separation wall D. Hordijk
A 12-02-2019 Drawing orientation rotated 180°
Drawing modified D. Hordijk

General

This medical container requires specific site preparations by the operator at each desired location. This guide contains information about the necessary preparations of the site, before placement and connections of the medical container.
The site must meet these requirements before the container can function properly.

Container chassis

Measurement

Length:	12,500 mm
Width:	4,000 mm

The access way must have a minimum width of 7,200 mm.
The radius of the turning circle for the low loader should have an outer radius of 12,500 mm and an inner radius of 5,3 m of the turning circles.

Ground Requirements

The minimum area required spce is:
Length= 14,000 mm
Width= 6,000 mm
The ground and the access way must be clearly paved.
In order to ensure proper operation of the stabilizing system the ground must be level and the deviation must not exceed 1% (which is 0,6 degree!).

Weight of the unit is 20 000 kg.
Center of gravity lays 2,5m from the center in the direction of the technical room.

CT Control room

The control room is located before the CT examination room. The entire right-hand wall is realised as a functional office unit. At the topside there are lockable upper cabinets. The worktops are provided according the chosen OEM's lay out. The desk is laid out ergonomically and offers an optimal workspace. A changing room is created by a curtain.

CT Scan room

The lead shielding in accordance with the specification of the Customer/RPA. In the front wall of the CT room is a lead shielded window installed. Lamboo choses for a wide lead shielded door to enter. This will have the following advantages:
more comfortable for the operator to open.

- 1 medical sink will be positioned with direct water connections.
- All CT related components will be installed at the backside of the CT.
- A hatch will be made behind the CT for potential external chiller connections.

Technical area
Against the rear wall we mount the outside units for the air-conditioning according the OEM planning guide. A small cabinet will also be made for all external connections such as Data CAT6 lines and the external power connection.

Air-conditioning
Two (2) Toshiba separate air-conditioning units will be installed. All rooms will have an outlet, so optimal temperature can be guaranteed. A humidifier will be installed with a direct water line connection.

Lead Shielding
The CT container is equipped with lead shielding.
The shielding will keep the radiation outside the container.
Shielding:
3.0 mm Scan Room Walls
3.0 mm Rear Scan Room walls
3.0 mm Scan Room Door
2.1 mm Scan/Control Room Window
0.0 mm Floor
0.0 mm Ceiling

Medical gasses
No medical gasses

Electrical Requirements
The container is equipped with 2x 400 volt 3 phases 50 Hz electric system according to the TN-S system.

1. Connection for Siemens CT system: 5x 50mm^2 , max. 125 A (depending on CT system)
2. Connection for the container: 5x 16 mm^2 max. 63A

The site shall provide a 400 V, 50 Hz, service fused at a minimum of 200 A.
The electrical phase rotation of the supply should be L1 L2 L3.

The customer must provide these cables for the connection to the contianer.

WARNING:
It's the user's responsibility to verify that the shore power and cables are electrically compatible with the connection of the container. Connecting the power to the wrong type of receptacle could cause serious injury or damage of the medical system.

Telephone & Computer connection

The container is supplied with two telephone connections and two RJ45 connections.
The hospital needs to provide the cables and is also responsible for the connection between the container and CT system to the hospital.

Water connection

The container has a sink in the scan room.
A 15 mm waterconnection needs to be provide by the hospital.
This unit can be operated with water line connected and pressurized.
The wastewater connection need to have a 40 mm PVC connection.

Hospital is responsible for the water and waste connection.