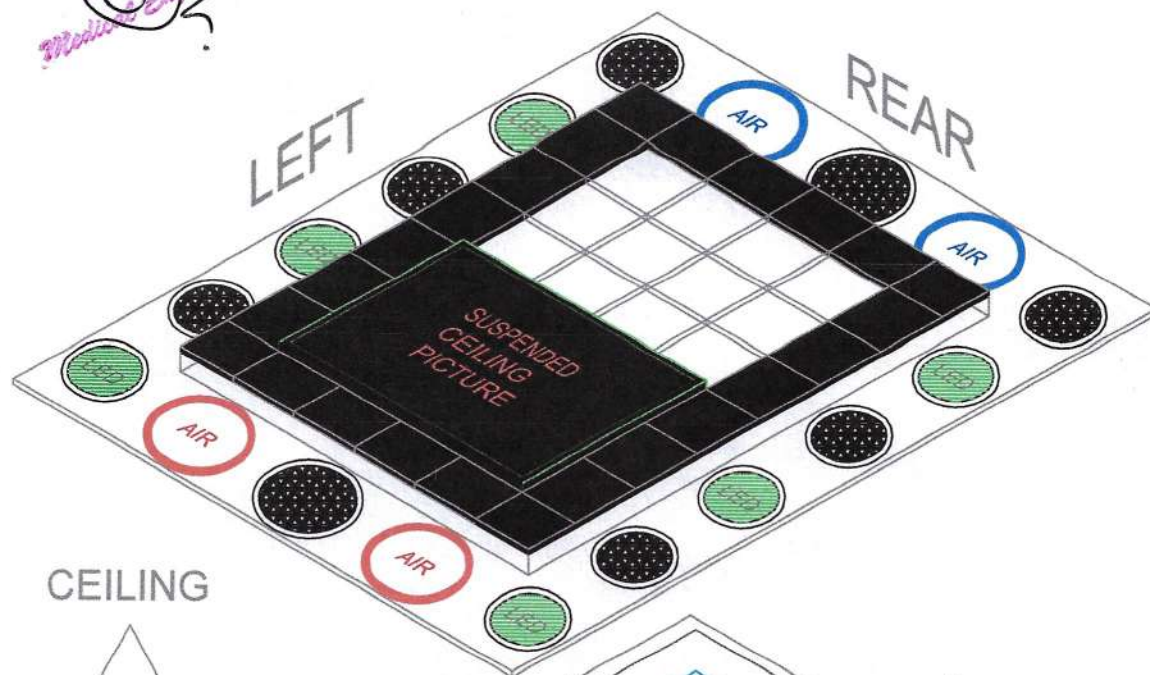
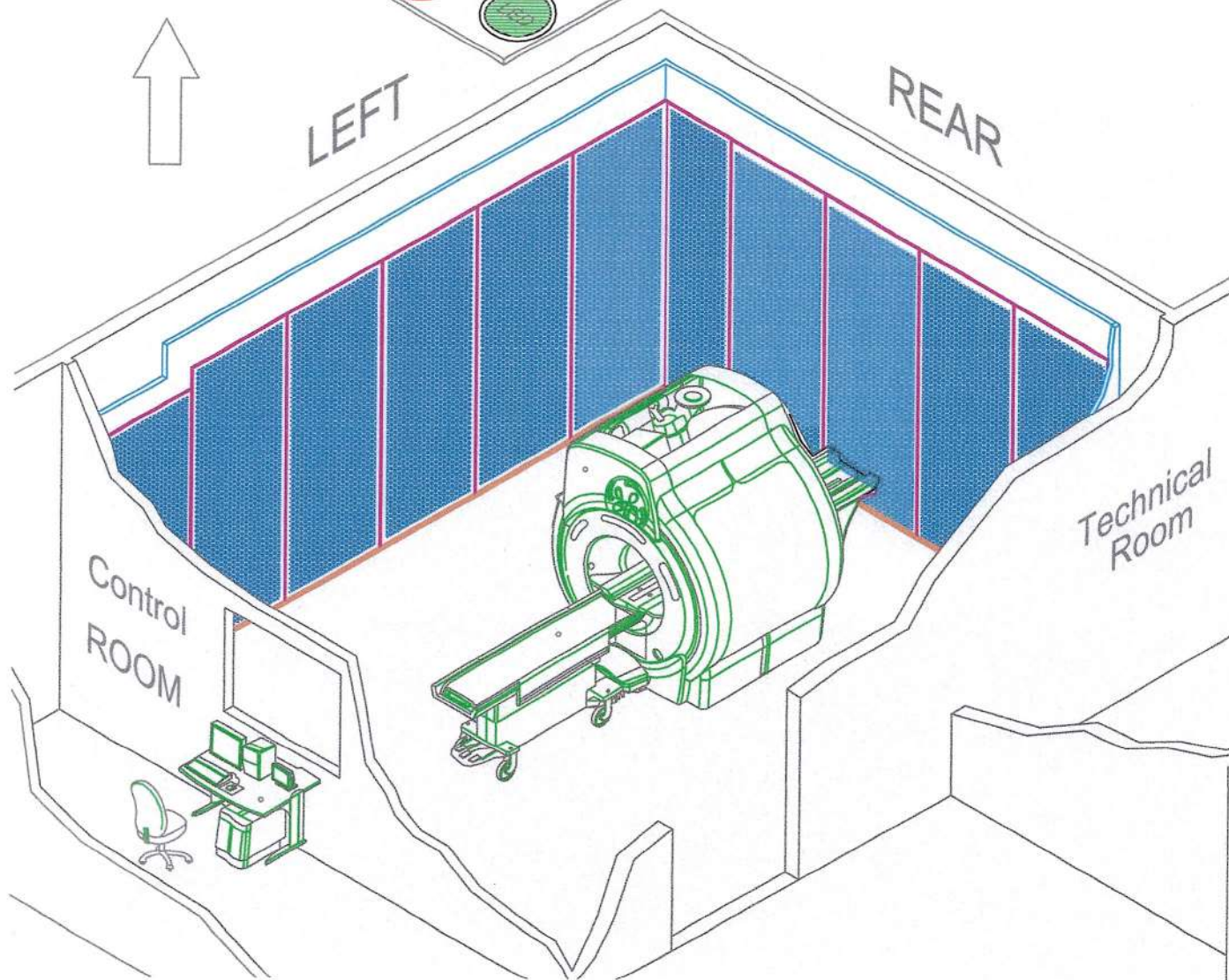
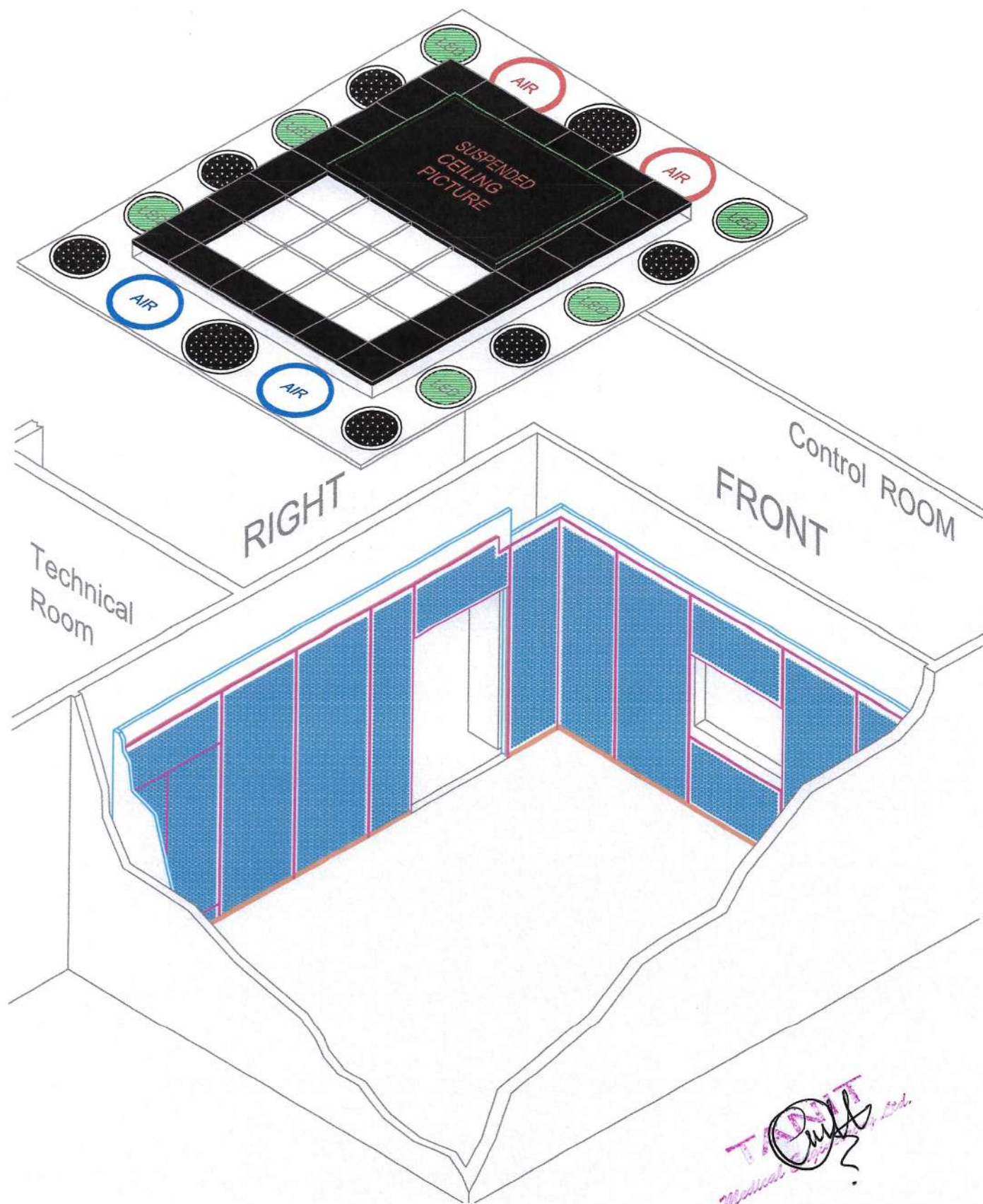


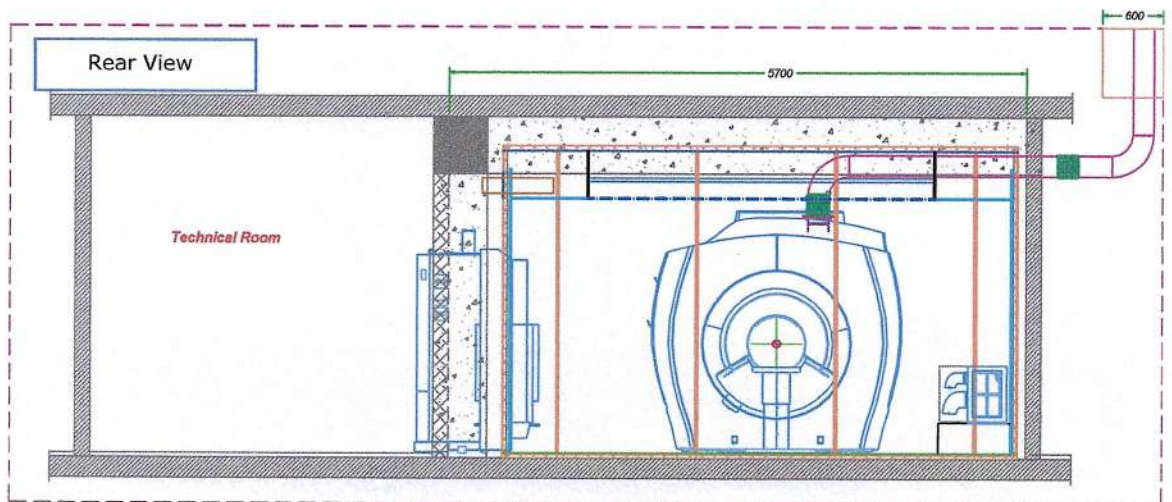
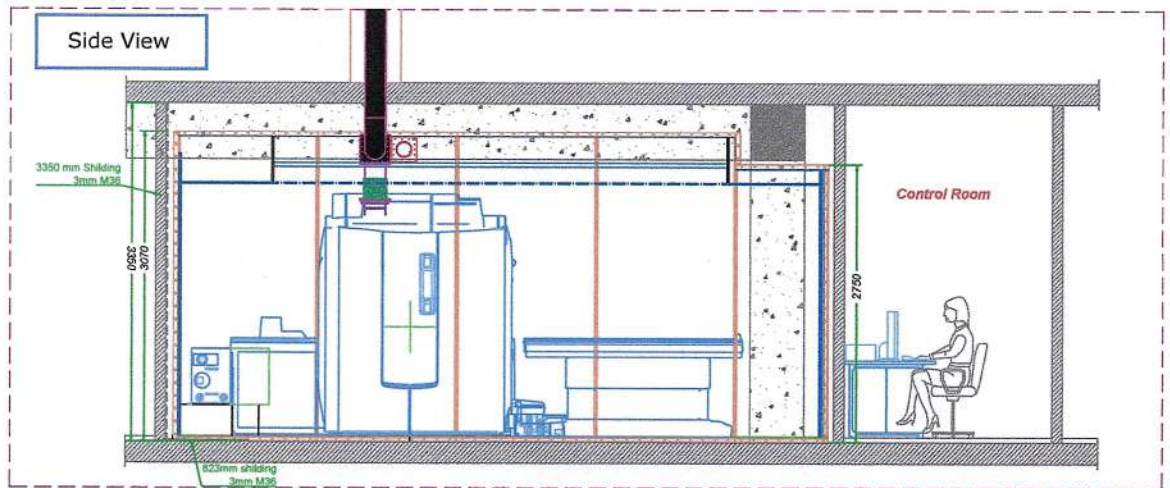
TECHNICAL
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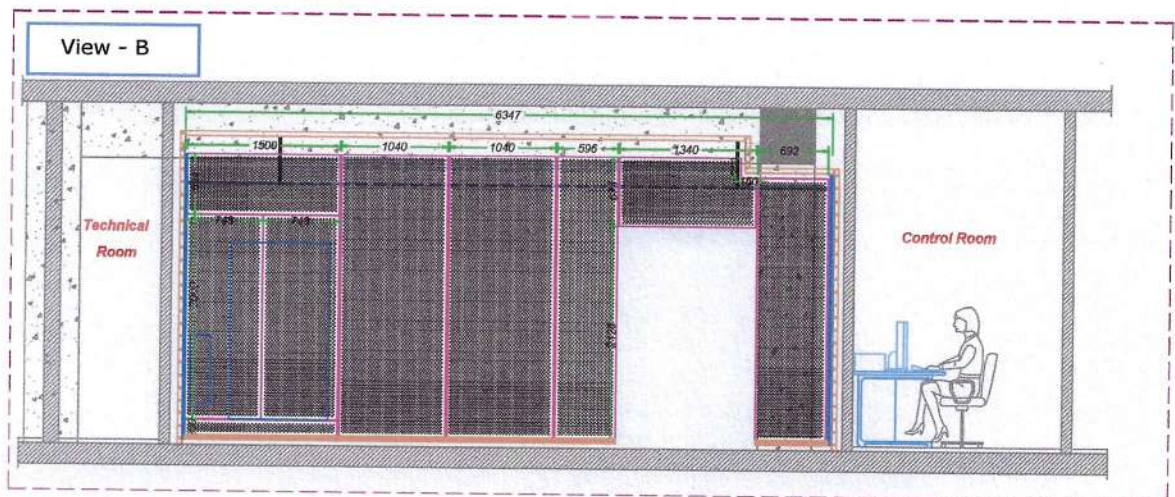
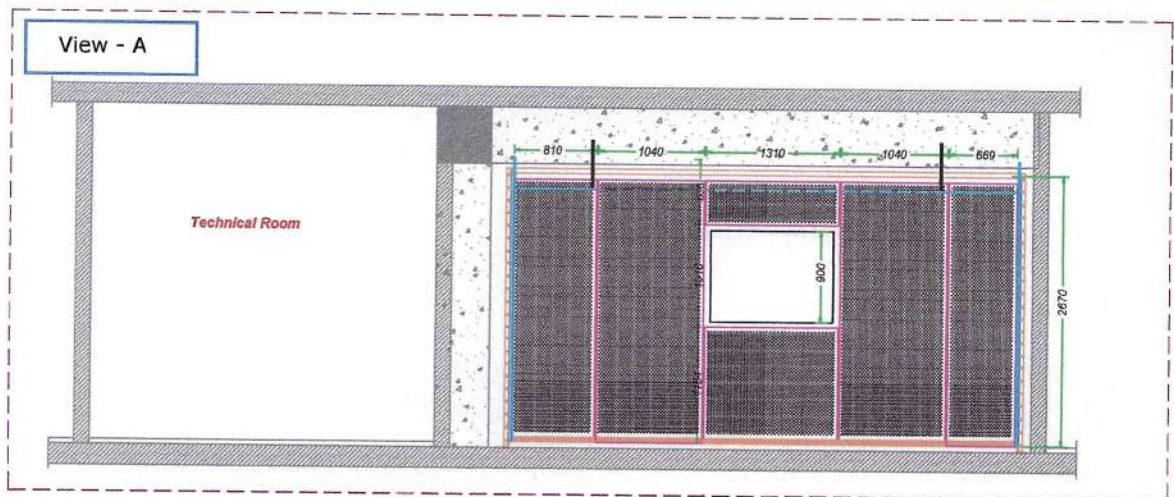
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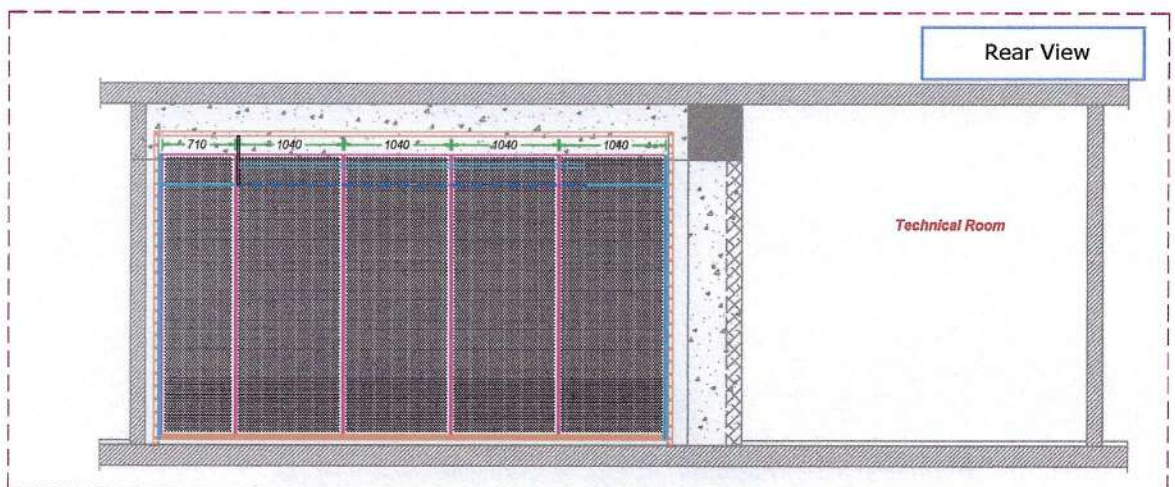
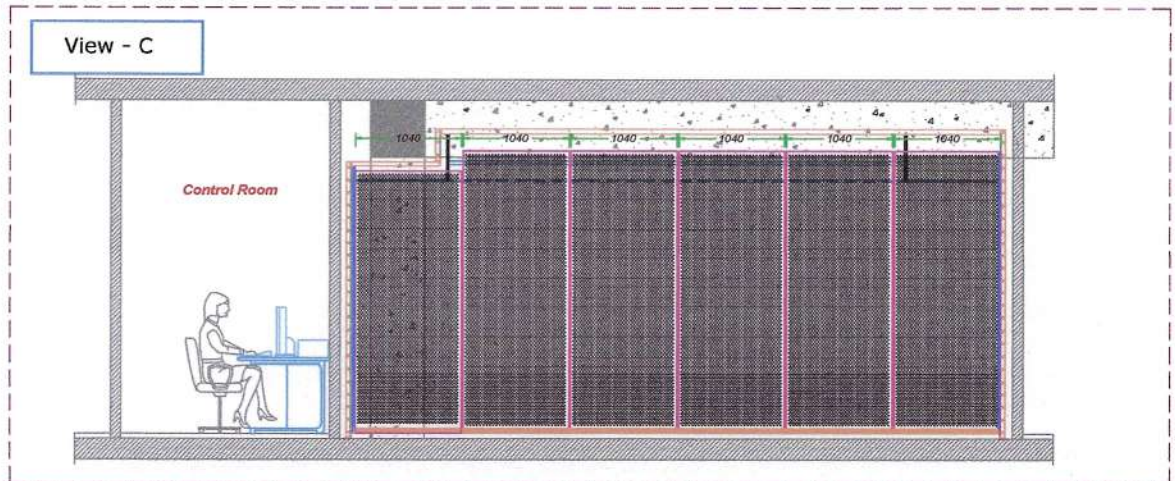


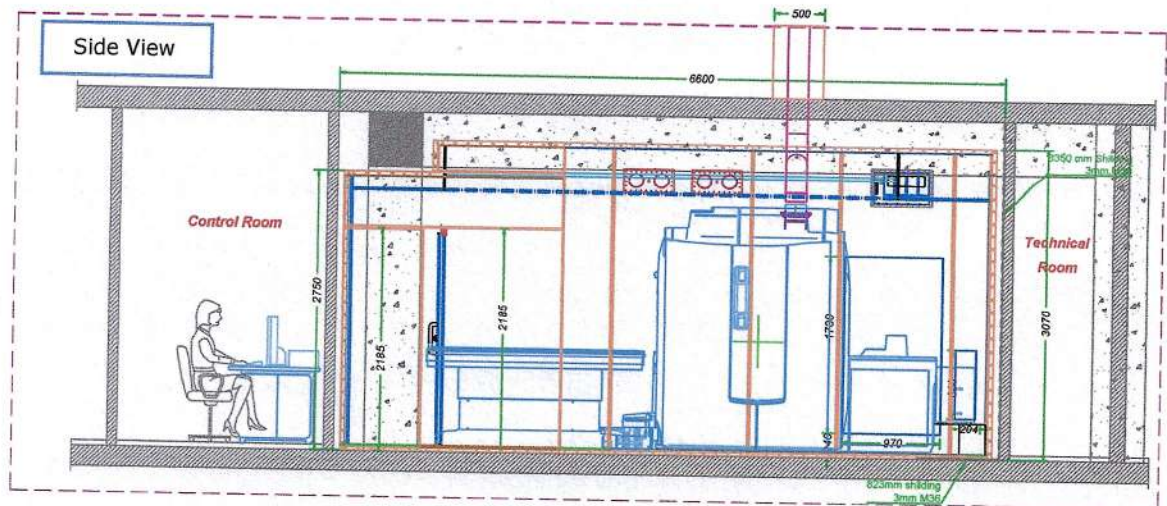
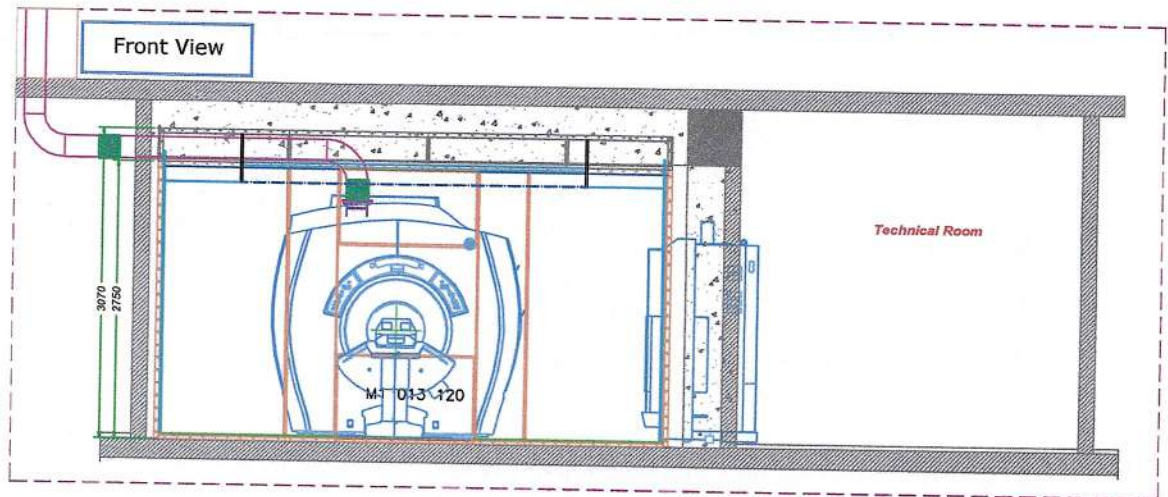




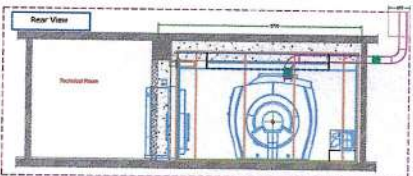
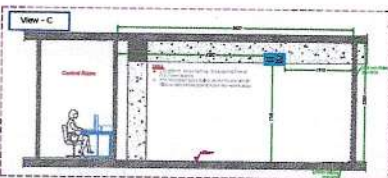
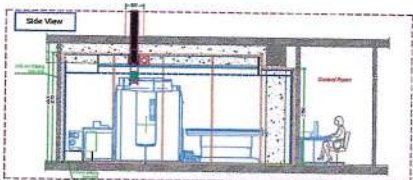
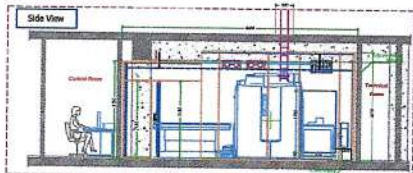
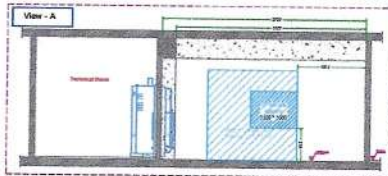
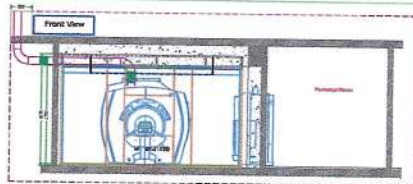
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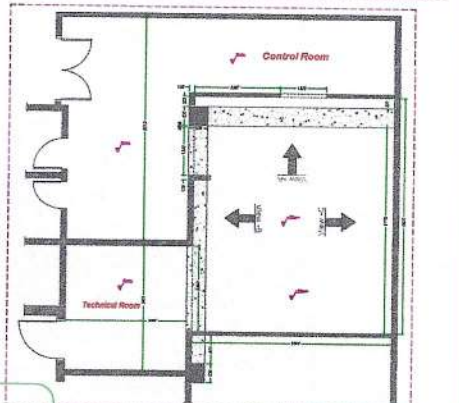
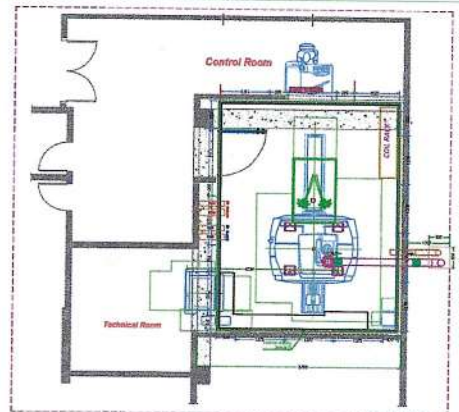
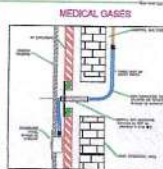
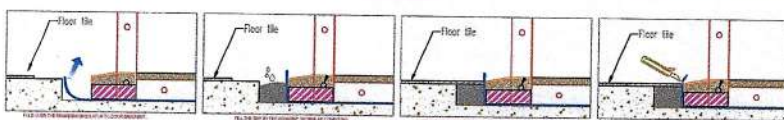
CAULBY
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Installation Requirements :

- Should fully dried permanently
 - The power, ground and sufficient lighting installed and operational,
 - HVAC systems installed and operational,
 - The magnet should be brought 3rd or 4th day of installation (after RF testing is done),
 - If the medical gas plugs/outlets arranged by others, it should be ready during the installation. Otherwise it will install over the interior finishing by the others.
- NOTES :**
- All the scales are millimeters and from inside of the scan room,
 - To avoid entry to RF enclosure needs <40mm recess floor in the scan room,
 - Scan room floor should be level within 3.0mm/m and max 5mm/m². The self leveling materials are strongly recommended.
 - The connection between HVAC and air vents should be done by non-conductive 2 x Ø200mm insulated flexible pipes.

RF ENCLOSURE PENETRATION

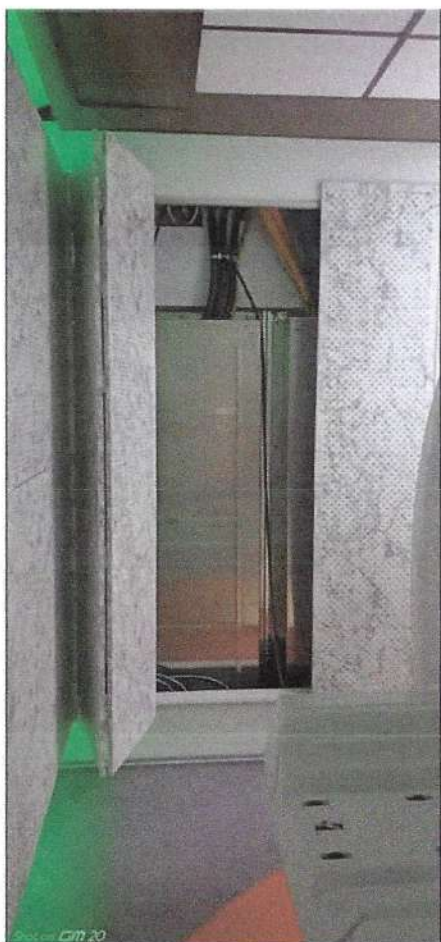


Mes medikal		MES MEDİKAL ELEKTRONİK SAN. VE TİC. LTD. ŞİRKETİ www.mesmedikal.com.tr	
Customer	GE Medical Systems	System	Sigma Explorer
Site	STELLA ORSANO HOSPITAL BENIN - NIGERIA		
Drawn	Approved	Date	Drawing No
E. BOZKURT	B. KORTA	06.10.2022	M-16815
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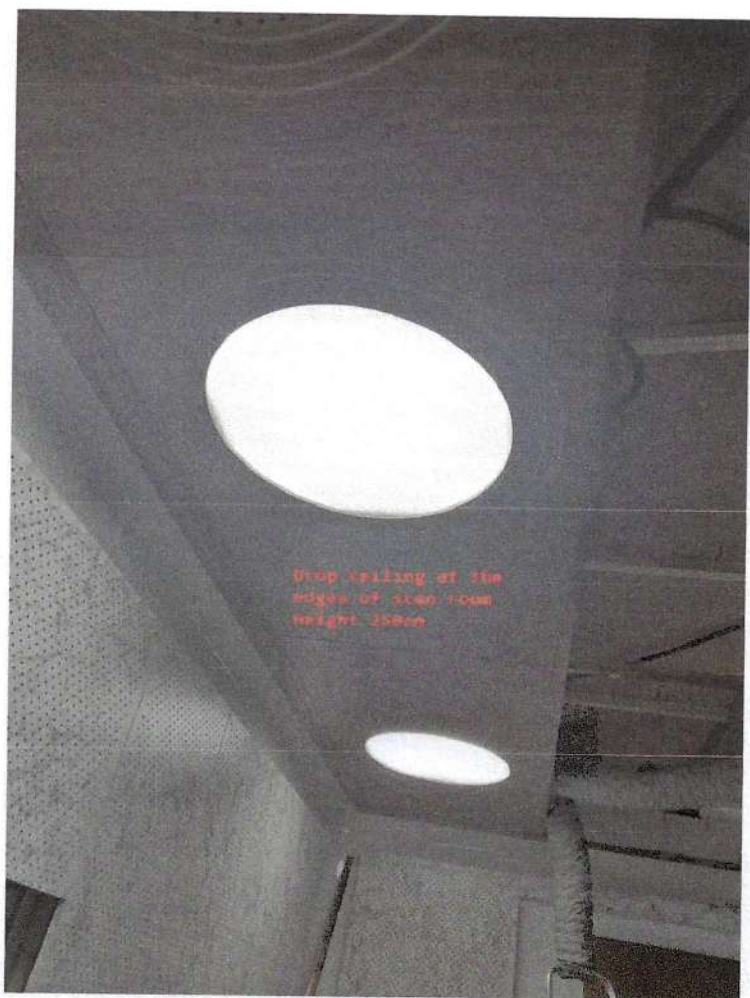
TAHİR
Medical Engineering Ltd.



TAXIT
Medical
Cabinet



TRUST
Medical Engineering Ltd.



TOUIT
Curtis
Medical Center with

A photograph of an MRI room interior. A patient bed is positioned in the center, leading into the large circular opening of the MRI scanner. The room features a blue wall on the left and a large window showing a forest scene. The ceiling has several circular recessed lights. The overall lighting is dim, with a blue tint.

Soundproofed

RF Door for MRI

Mes Medikal Ltd

RF & Magnetic shielding specialist

TAJ
Medical Engineering Ltd.

Mes

The new soundproofed manual RF door

MRI manufacturers are announcing more powerful system constantly and the specifications of RF enclosure might be stay below requirement of latest MRI modalities. Therefore, we are constantly working to improve RF enclosure, and RF door 's specification to able achieve required performance.


Medical Equipment Ltd.



A most critical part of the RF enclosure is the RF door. While having to fulfill its task of radio frequency shielding, it should be easy for MRI technician to use, perform its function over a long period and look attractive to measure patients.

Because of its lightweight construction, ergonomically designed handles and safety release on the inside and easy and safe to use.

The common problem of rf doors are missing or damaged contact fingers due to physical damage.

The RF finger contacts of the new door have been moved to a more sheltered area and they are also supplemented with an elastomer knitted mesh gasket.

With the new RF door an extremely highest shielding effectiveness has been provided against to RF noise combined with excellent acoustic properties.

During the test measurements, results exceeding 120dB at 150MHz were obtained in the horizontal and vertical antenna directions.

Two nominal sizes are available as the standard using for patient and technician. Custom size also can be provided upon request.



The contact fingers and RF seals are located on the frame instead of door leaf.

Main features



Durable RF contact fingers supported by elastomer knitted mesh gasket to achieve minimum 100dB shielding effectiveness at 30MHz to 150MHz.



Minimum 45dBA acoustic shielded at 1600 Hz. Testing done by independent laboratory according to ISO 101140-2 and ISO 717-1.



Flush threshold for wheelchair and helium dewars.



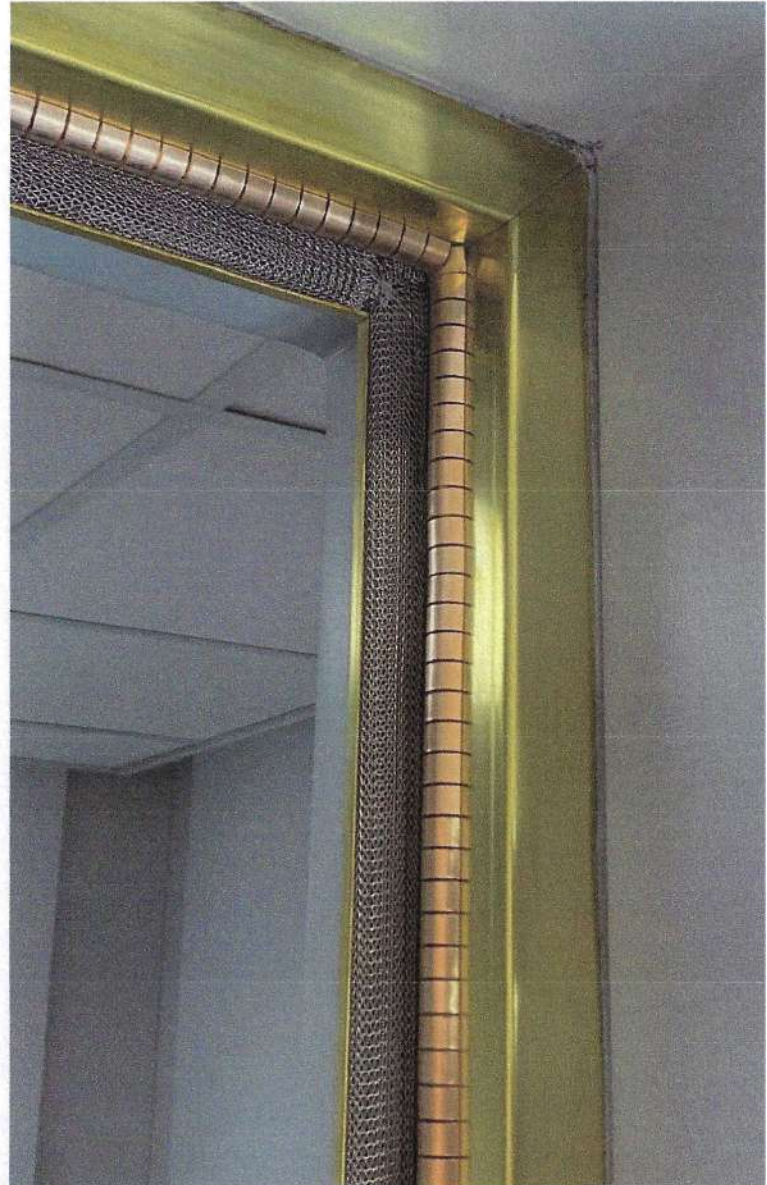
Produced by an ISO 9001 certified company that works quality management system.



All the manufacturing processes are done in our facilities with wood and metal CNC equipments.



The RF doors are produced together with RF enclosure according to the project and their test is done regularly in the test room in our facility.



Handwritten signature and stamp:
Handwritten signature: [Signature]
Stamp: [Circular stamp with text]

Other features



Two years warranty to contact fingers, elastomer knitted mesh gasket and deadbolt lock mechanism.



Five years warranty to 100dB shielding effectiveness and rest of door mechanism.



RF door has been labeled QR code and easily get user manual, spare parts and service contact when necessary.



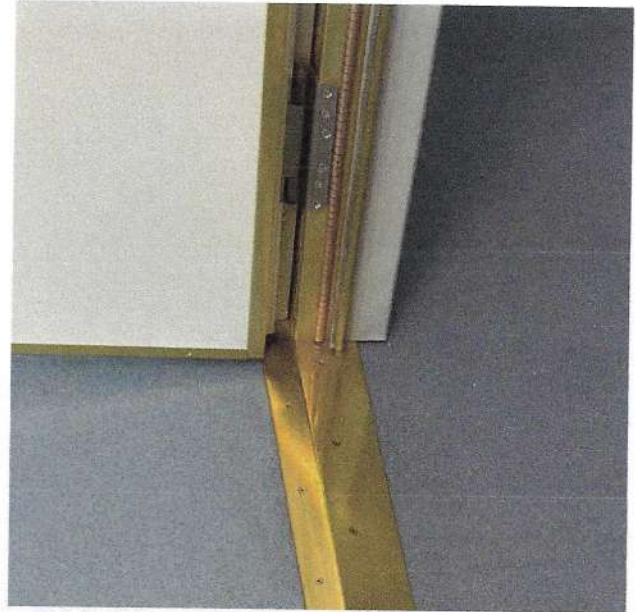
Access scan room with password or fingerprint option.



Various color options for RF door panel lamination.



Radiation shielding option for PET-MRI systems.



Flush threshold for wheelchair and helium dewars.



Deadbolt lock and safety release from the inside

T. S. S. S.
Medical Engineering Pvt. Ltd.

RF Door selection guide

Left hand, in-swing



120cm, P/N: M1 011 021
90cm, P/N: M1 011 025

Right hand, in-swing



120cm, P/N: M1 011 022
90cm, P/N: M1 011 026

Left hand, out-swing



120cm, P/N: M1 011 023
90cm, P/N: M1 011 027

Right hand, out-swing



120cm, P/N: M1 011 024
90cm, P/N: M1 011 028

Mes

Mes Medikal Elektronik San. Tic .Ltd.

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Tel:+90 216 4899390. Fax:+90 216 4898614

6

Turkey

Discover
the potential

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info@mesmedikal.com.tr

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18/10/2023 Oğuz Kaya