AS RF SHIELDING

Innovative shielding solutions for your RF needs

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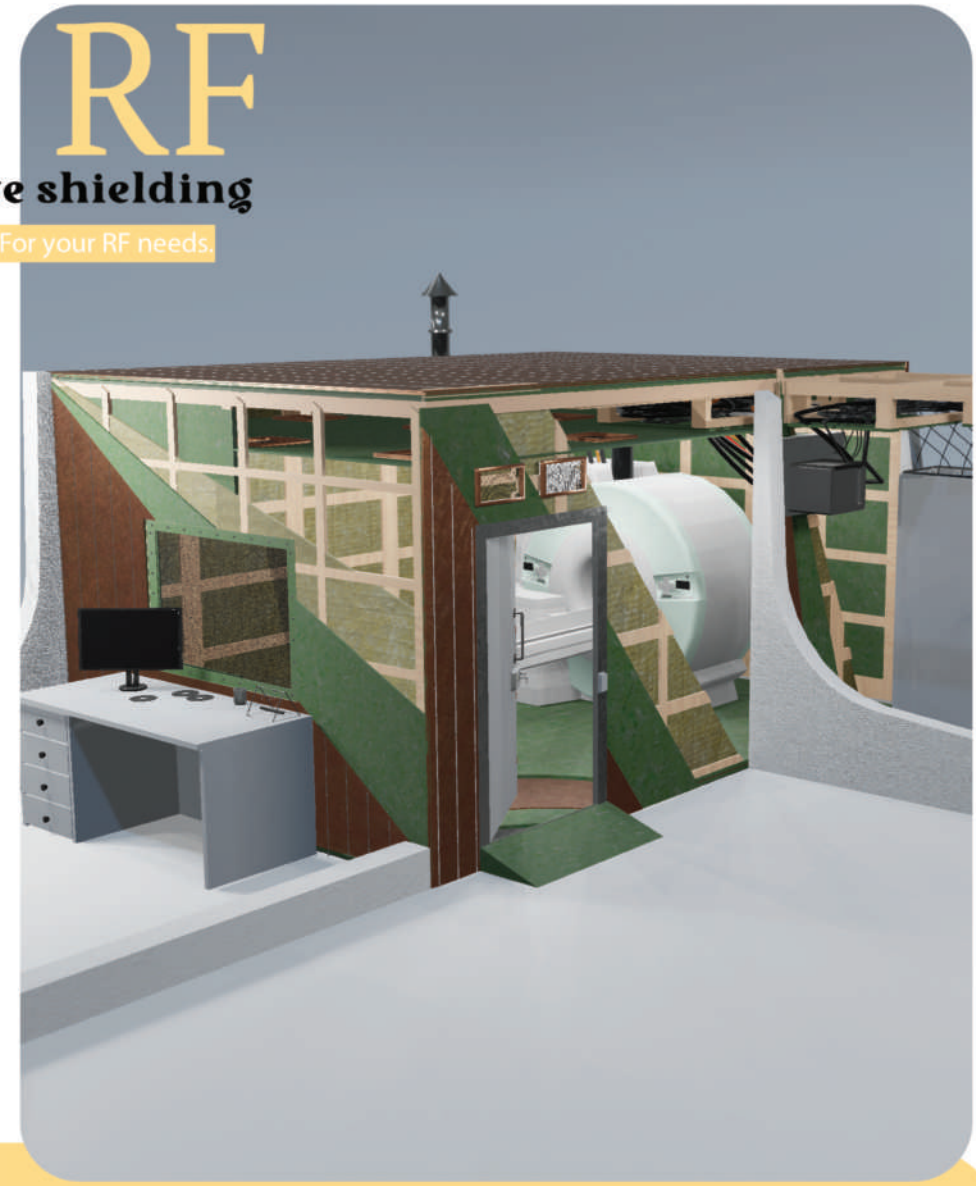
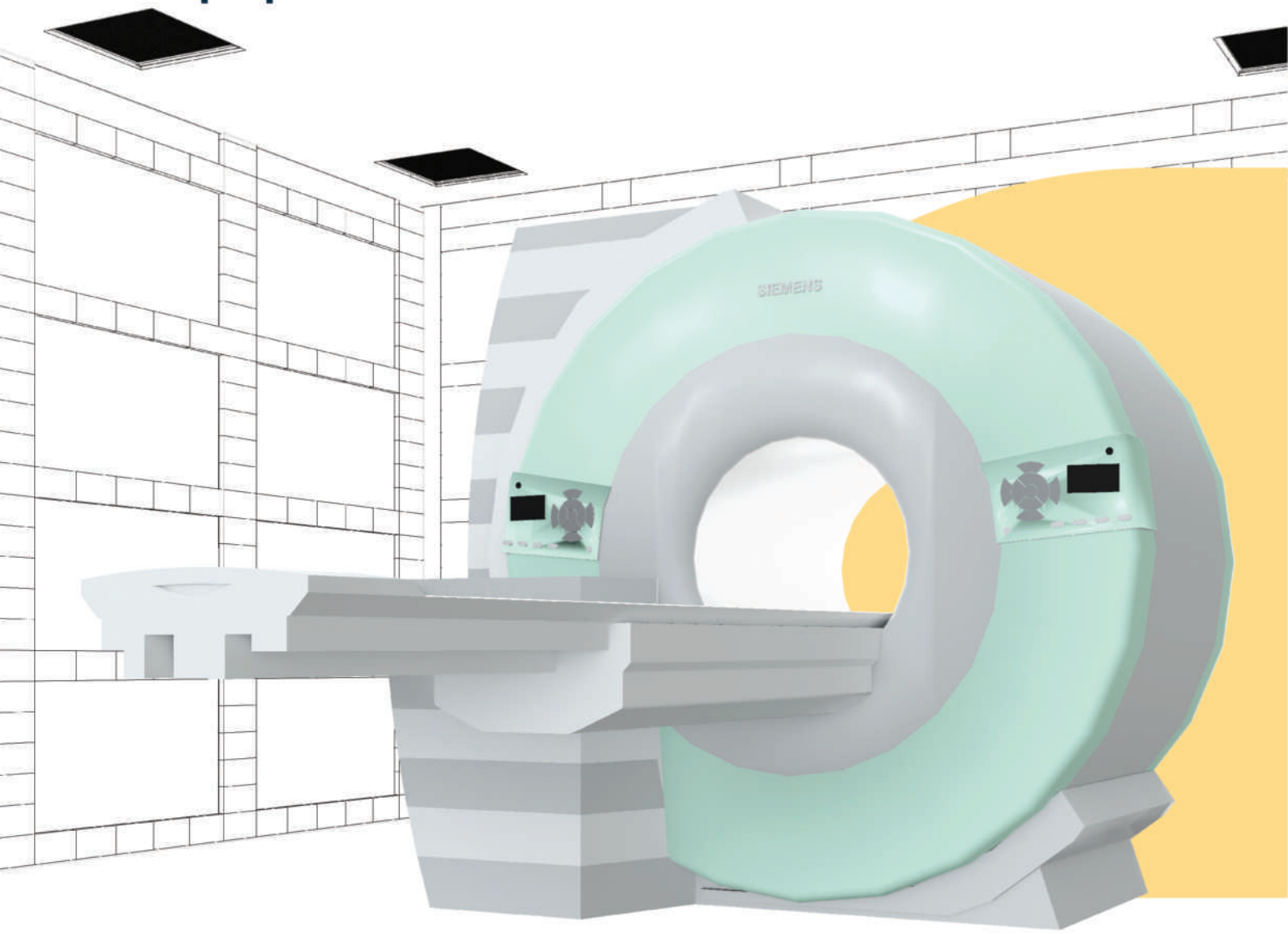


At AS RF Shielding Solutions, we specialize in providing top-of-the-line products and services for electromagnetic interference (EMI) and radio frequency (RF) shielding. Our team of experts has 8+ years and 150+ Shielding Rooms of experience in the industry and is dedicated to helping our clients achieve their shielding goals.

our Approach



We offer a wide range of products, including RF enclosures, shielded rooms, and RF Room Interiors, as well as custom shielding solutions tailored to meet the specific needs of our clients.

Our products are made from the highest-quality materials and are designed to meet industry standards for shielding effectiveness.

In addition to our products, we also offer services such as RF site surveys, shielding design and consulting, and installation and maintenance. Our goal is to ensure that our clients have the best possible shielding solution for their facility and equipment.

We pride ourselves on our commitment to customer service and work closely with each of our clients to understand their unique needs and provide the best solution for their specific situation. Trust us to provide you with the best RF Shielding Solution.

Mission

Our mission at AS RF Shielding Solutions is to provide the highest-quality products and services for electromagnetic interference and radio frequency shielding, while maintaining the highest level of customer service and satisfaction.

Vision

Our vision is to be the premier provider of RF shielding solutions in the industry, known for our expertise, reliability and innovation.

Values

Quality: We are committed to providing products and services that meet the highest industry standards for shielding effectiveness.

Customer Service: We believe in building long-term relationships with our clients and providing them with personalized solutions and support.

Innovation: We continuously strive to improve our products and services to stay at the forefront of the industry.

Reliability: We are dedicated to providing dependable and consistent solutions for our clients.

Expertise: We pride ourselves on our expertise and experience in the RF shielding industry and are committed to staying knowledgeable and up-to-date on the latest developments.

PRODUCTS

WE DEAL IN

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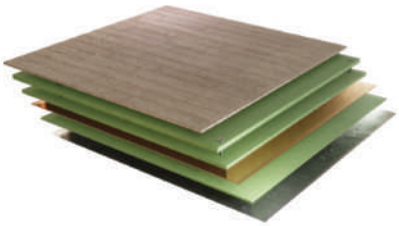
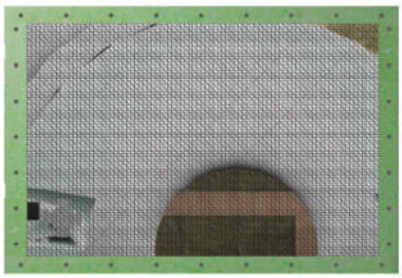


RF Room Floor Layers

RF Room floor layers are an essential component of any shielded room. They are designed to block or absorb electromagnetic interference (EMI) and radio frequency (RF) signals from penetrating the floor of the shielded room.

Wall

RF Room wall layers are an essential component of any shielded room. They are designed to block or absorb electromagnetic interference (EMI) and radio frequency (RF) signals from penetrating the walls of the shielded room.



Window

RF Room windows are an important component of an RF shielded room. They are designed to block or absorb electromagnetic interference (EMI) and radio frequency (RF) signals from penetrating the shielded room through the window opening.

Cable Tray

RF Room cable trays are an important component in an RF shielded room, as they provide a secure and organized pathway for cables and wires. They are designed to prevent electromagnetic interference (EMI) and radio frequency (RF) signals from penetrating the shielded room through cables and wires.

Ceiling

The RF ceiling is a crucial component of an RF shielded room, as it helps to prevent RF signals from leaking out of the room and into the surrounding environment. RF ceilings are typically made of conductive materials, such as copper, aluminum, or steel, and are designed to provide effective shielding against RF signals.

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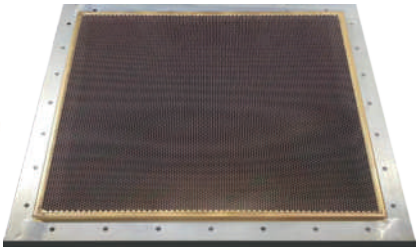
PRODUCTS

WE DEAL IN

Honey Comb

RF Room honeycomb is a type of RF shielding material that is used in shielded rooms to block or absorb electromagnetic interference (EMI) and radio frequency (RF) signals. It is made up of a series of thin metal layers that are arranged in a honeycomb pattern, creating a highly effective barrier against EMI and RF signals.



Emergency Window

An Emergency Exit Window is a type of window installed in a building or structure to provide an alternate means of egress in case of emergency.

Quench Pipe

Quench Pipes are used in high-performance superconducting applications, such as magnetic resonance imaging (MRI) and particle accelerators, to rapidly dissipate the large amounts of heat generated during a quench event. A quench is a sudden loss of superconductivity, and it can occur if the temperature of the superconducting material exceeds its critical temperature.

Door

RF Room doors are an essential component of an RF shielded room. They are designed to block or absorb electromagnetic interference (EMI) and radio frequency (RF) signals from penetrating the shielded room through the door opening.

RF Shielding

AS RF Shielding Solutions is a leading provider of high-quality RF shielding products and services. Our goal is to help our customers protect their critical environments from unwanted RF interference. We offer a range of RF shielding solutions, including RF shielded rooms, RF shielded enclosures, RF shielded cable shielding, and more.

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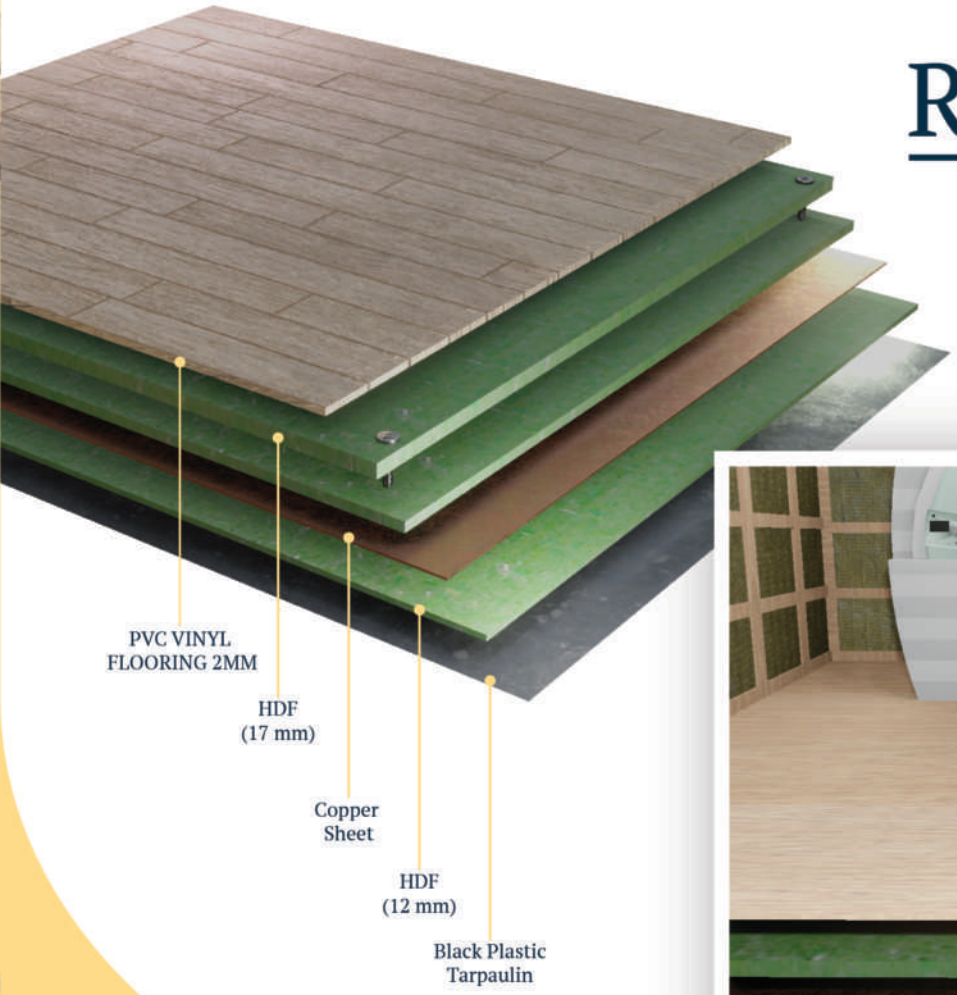
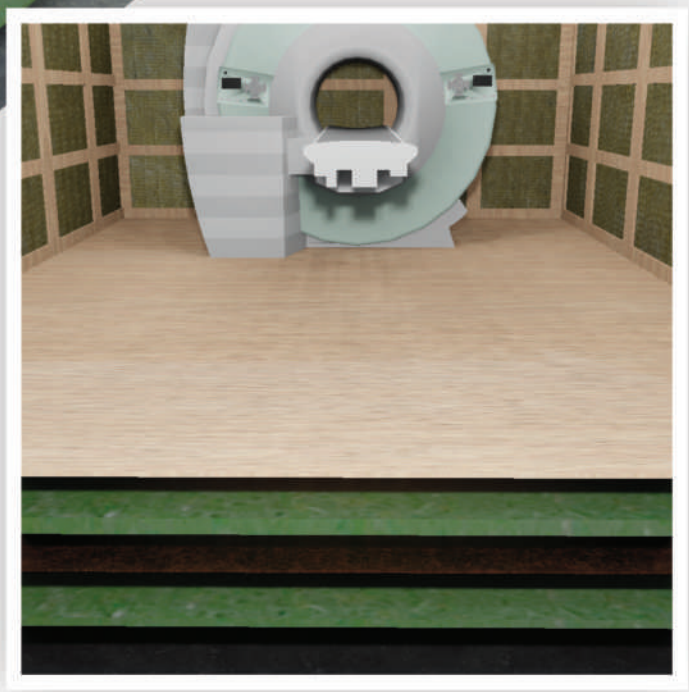
RF FLOOR

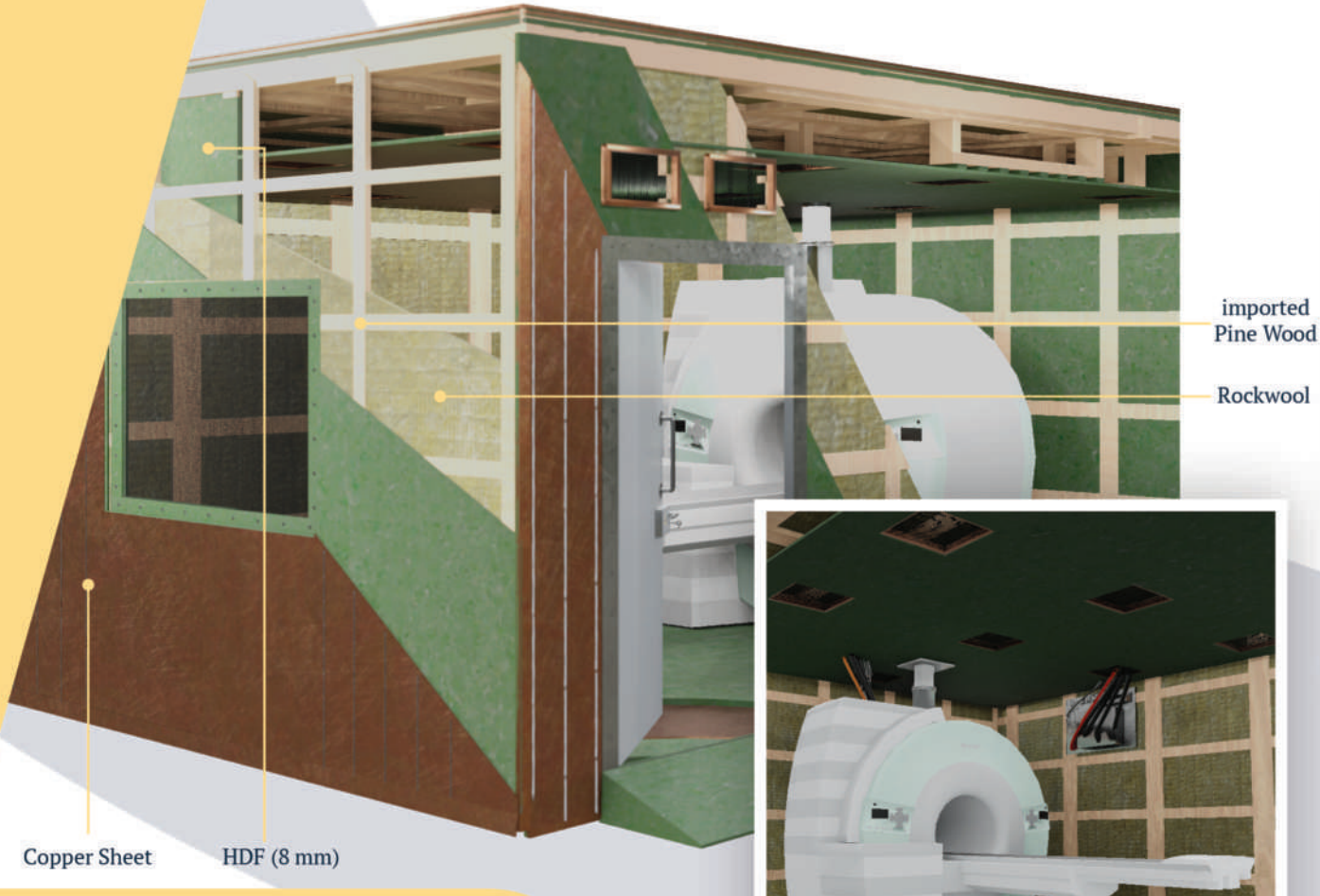




AS RF Shielding Solutions offers top-quality RF flooring solutions to protect your critical environment from unwanted radio frequency (RF) interference. Our RF flooring systems are designed to provide multiple layers of protection against RF signals, reducing the amount of RF energy that passes through them. Our RF flooring systems consist of the following layers:

- ACP Flooring Sheet: This layer provides the base for the RF flooring system and acts as a physical barrier to RF signals.
- HDF 17 MM: This layer provides additional structural support and helps to further reduce RF energy passing through the floor.
- Copper Sheet: This layer is made of high-quality conductive copper and provides an additional layer of protection against RF signals.
- Black plastic tarpaulin: This layer provides a barrier to RF signals and also helps to protect the copper sheet from wear and tear.

Our team of experts will work with you to understand your unique requirements and provide customized solutions to meet your needs. Whether you need an RF floor for a new construction project or an upgrade to an existing facility, AS RF Shielding Solutions has the solution you need to ensure the protection of your critical environment.



RF WALL & CEILING

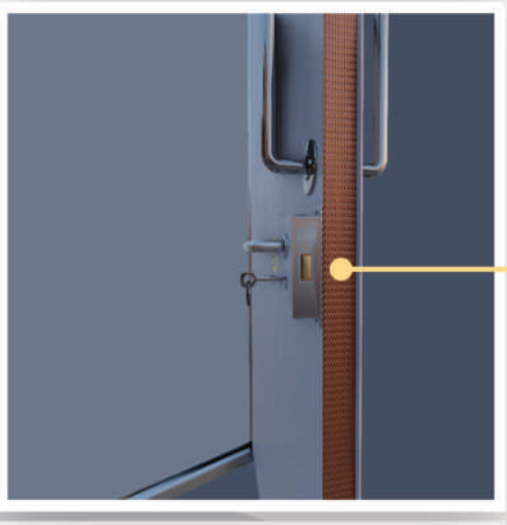
AS RF Shielding Solutions offers top-quality RF wall solutions to protect your critical environment from unwanted radio frequency (RF) interference. Our RF walls are designed to provide multiple layers of protection against RF signals, reducing the amount of RF energy that passes through them. Our RF wall systems consist of the following layers:

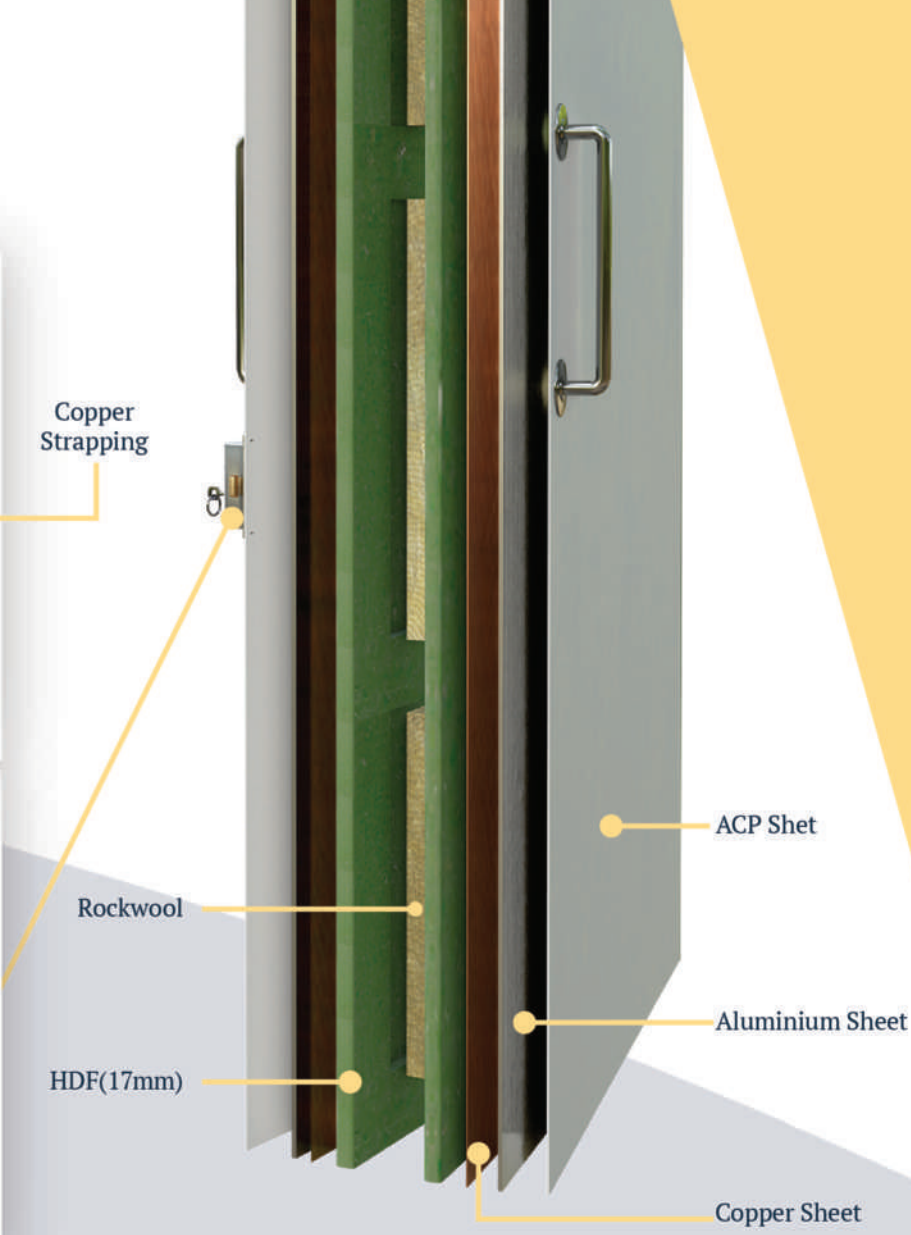
- Copper Sheet: This layer provides a barrier to RF signals and acts as an effective shield against RF energy.
- HDF 8 MM: This layer provides additional structural support and helps to further reduce RF energy passing through the wall.
- Imported Pine Wood: This layer provides a barrier to RF signals and helps to protect the copper sheet from wear and tear.
- Rock wool: This layer is made of high-quality insulation material and helps to prevent the noice transmission.

AS RF Ceiling is designed to provide effective RF shielding for a room. The layers used in the construction of the ceiling include a copper sheet, High density fiberboard (HDF) in 8 mm and 17mm thicknesses, imported pine wood, and rock wool. The copper sheet acts as the primary shield against RF interference, while the HDF and pine wood provide a sturdy and durable framework.

The addition of rock wool helps to reduce noise transmission and improve the overall acoustics of the room. By using these high-quality materials, the AS RF Ceiling offers reliable and effective protection against RF interference while also providing a comfortable and functional space.

RF DOOR

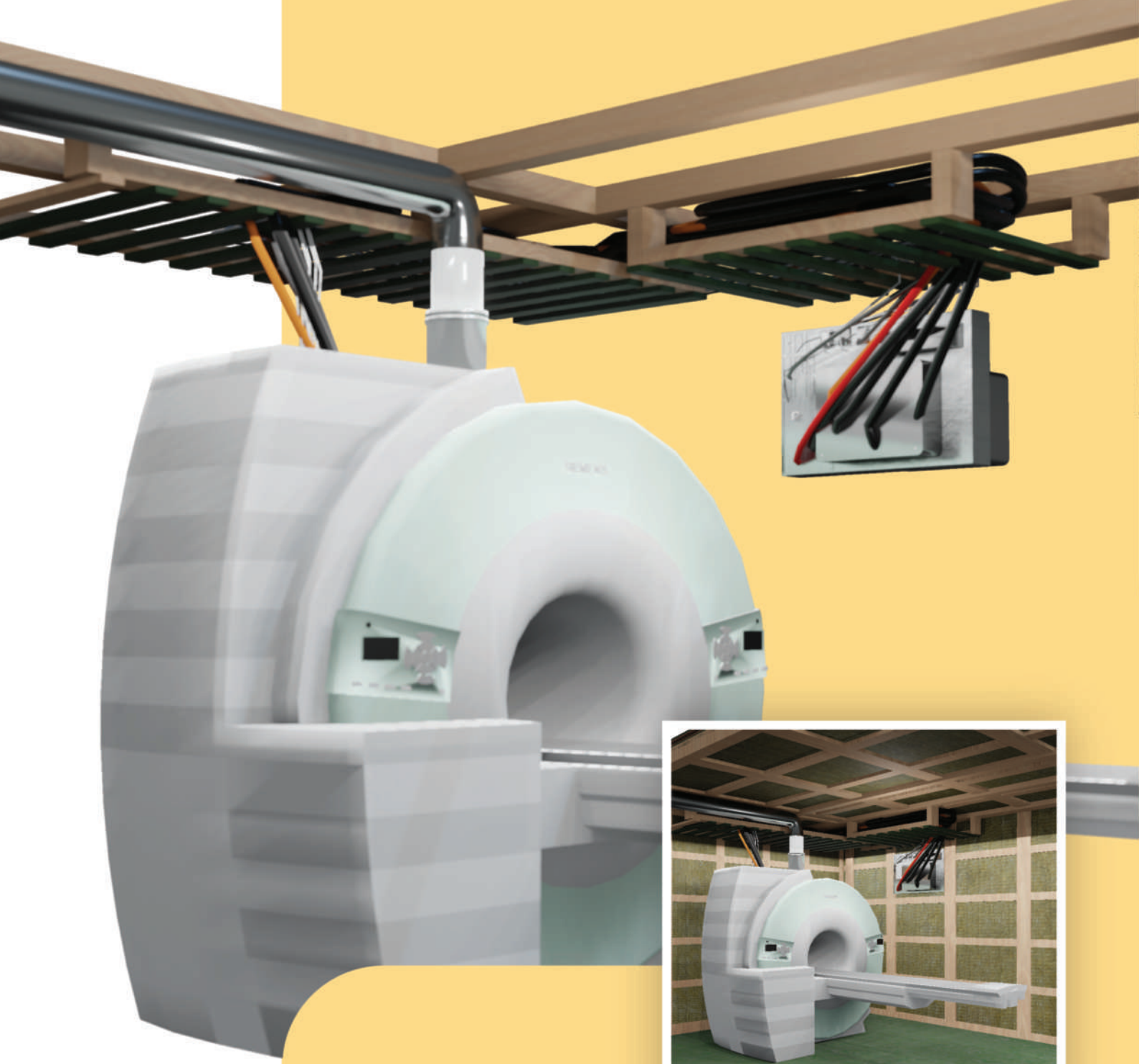




The door provided by ASRF is a specialized door designed to provide protection against RF (Radio Frequency) radiation. It is a multi-layered door that offers excellent shielding performance. The layers used in the door include:

- ACP Sheet: This is a type of composite panel made from two aluminum sheets bonded to a core material. It provides a strong and durable surface for the door.
- Aluminium Sheet: The aluminum sheet acts as a barrier against RF radiation, helping to keep the room protected.
- Copper Sheet: Copper is an excellent conductor of electricity and is highly effective at blocking RF radiation. The copper sheet in the door helps to prevent RF radiation from entering the room.
- HDF: HDF, or High-Density Fiberboard, is a type of engineered wood product that is used as a core material in the door. It provides a solid base for the other layers in the door and helps to keep the door sturdy and durable.
- Rockwool: Rockwool is a type of insulation material made from rock fibers. It is used to prevent noise from entering the room and to provide additional protection against RF radiation.

In addition to these layers, the door also comes with a special lock that locks from the outside, providing an extra layer of security. There is also a copper strapping attached to the door frame, creating a continuous and effective barrier against RF signals. This technique is often used in combination with other RF shielding materials, such as copper sheets and rock wool, to provide comprehensive protection against RF radiation.



CABLE TRAY

The cable tray by ASRF is made of wood, providing a strong and durable solution for managing and organizing cables and wires in an RF shielded environment. The use of wood material in the construction of the cable tray ensures a reliable and safe solution that can withstand the weight and stress of multiple cables and wires, while also providing insulation and fire resistance. The cable tray by ASRF is designed to meet the specific requirements of RF shielded environments, ensuring that cables and wires are securely managed and protected from interference or damage.

RF QUENCH PIPE

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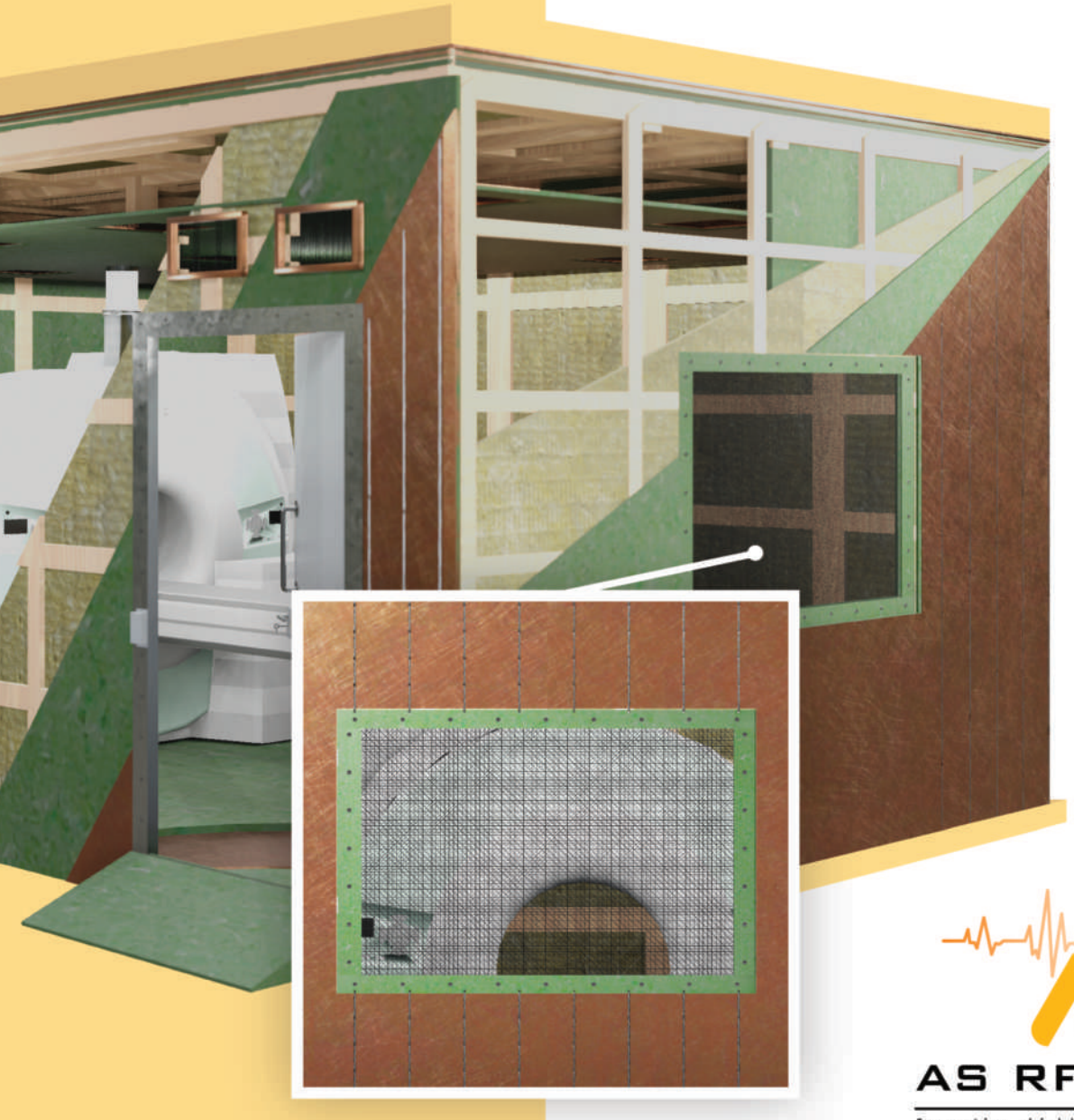
QUENCH PIPE

ASRF Quench Pipe is a pipe used in radio frequency (RF) shielding rooms to safely release high-pressure gas in the event of a quench event. It is designed to prevent damage to the RF shielding components and surrounding equipment. The quench pipe is typically made of a durable, corrosion-resistant material, such as stainless steel, to ensure its long-term performance and reliability. It is an important component in RF shielding solutions provided by ASRF.



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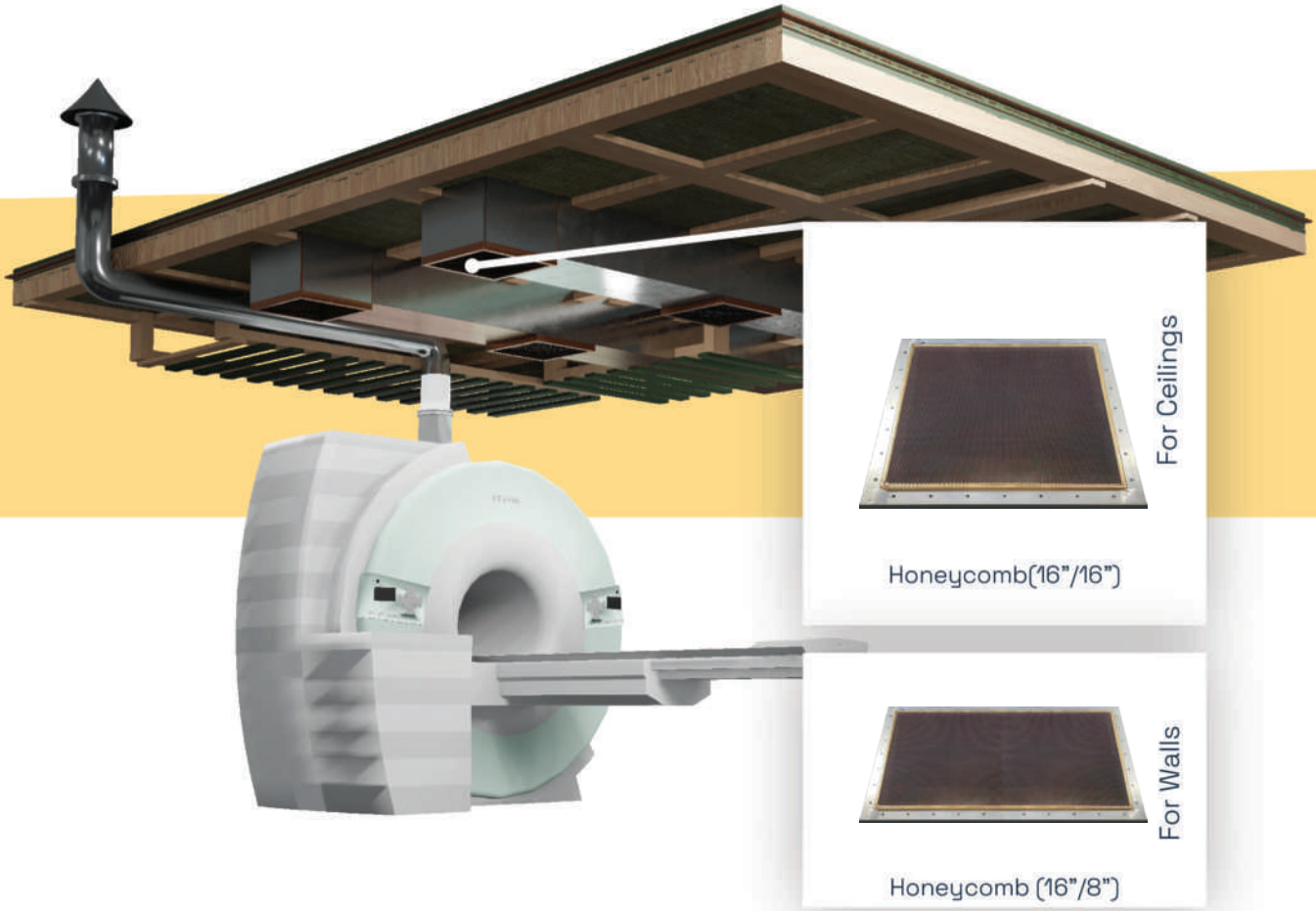
RF VIEWING WINDOW

WINDOW

AS RF Window is a specially designed window for RF shielded rooms to maintain the RF shielding integrity of the room. It is made of materials that are RF-shielding and provide a high level of electromagnetic protection. The window can be customized to meet specific requirements and may include features such as tempered glass, EMI gaskets, and metal frames. This helps to prevent any RF signals from escaping or entering the room and maintaining a consistent, controlled environment for sensitive equipment and experiments.

RF HONEYCOMB



HONEYCOMB
FOR CELING AND WALL

Honeycomb is a component of RF Shielding used to absorb and scatter electromagnetic radiation. The honeycomb structure is made of a repeating pattern of hexagonal cells, similar to the structure of a beehive. In RF shielding, honeycombs are made of a conductive material, typically metal, and are used to block RF interference from entering or leaving a shielded room or enclosure. They are often used in conjunction with other RF shielding components, such as filters, windows, doors, and cables, to provide a complete solution for RF shielding. The honeycomb component provided by ASRF is designed and manufactured to meet the highest standards of quality and performance, ensuring optimal protection against RF interference.

ASRF Honeycomb comes in two different shapes:

- Rectangular for Walls
- Square for Ceilings

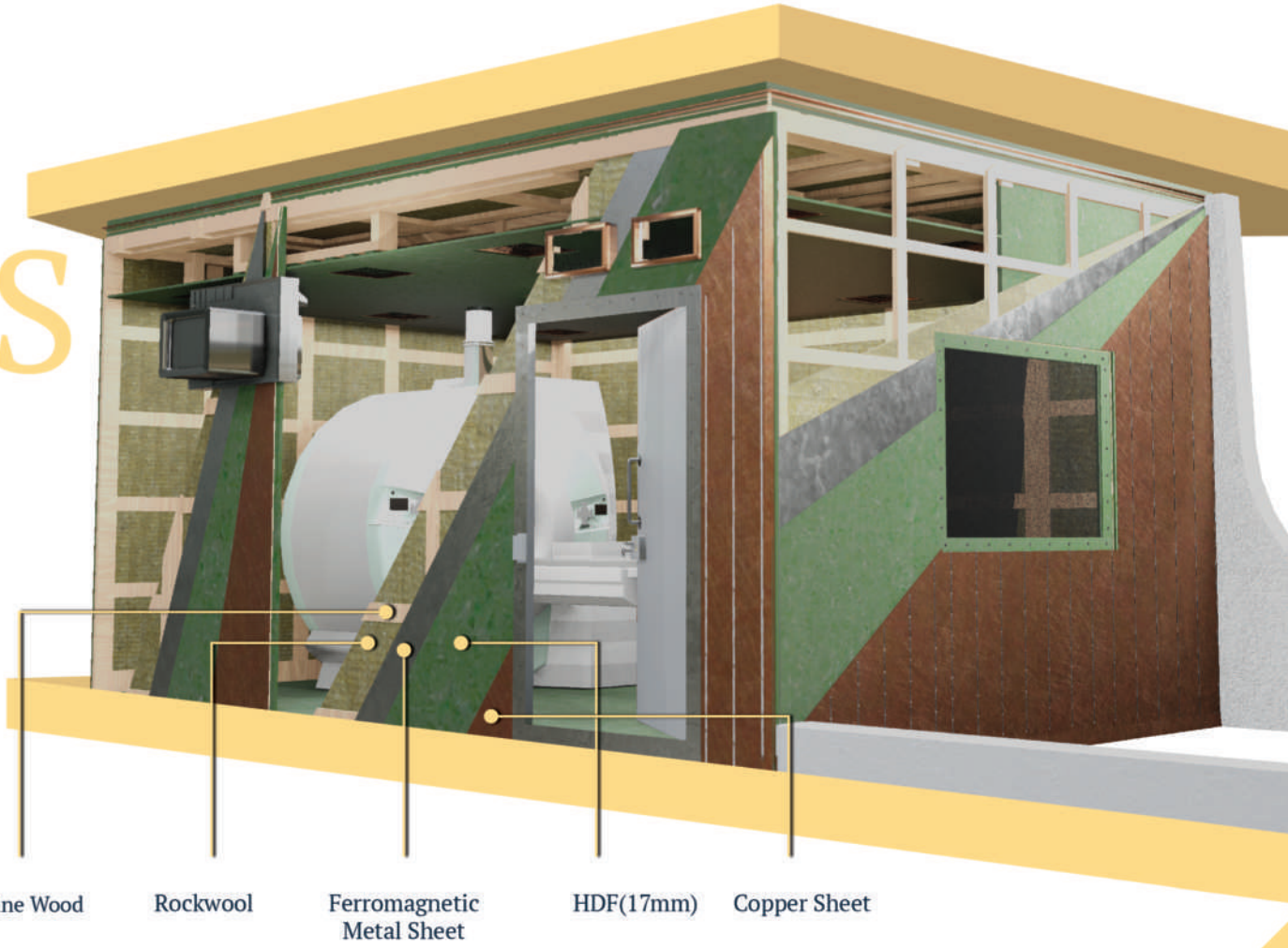
AS RF
ADD-O

EMERGENCY WINDOW

This emergency exit window is designed and manufactured by ASRF, and measures 2 feet by 2 feet in size. The window is designed to be opened from the outside, which is crucial in the event of an emergency where air pressure inside the room may prevent the main door from opening. This feature provides an escape route for occupants, ensuring their safety in case of fire or other emergencies.

The window is made with high-quality materials, ensuring durability and longevity, while also meeting industry standards for fire safety and building codes.

ONS



MAGNETIC SHIELDING

AS RF provides Magnetic Shielding solutions for rooms where heavy metal objects, such as elevators, are present. This shielding helps to reduce the magnetic field from these objects, providing a more secure and reliable environment for sensitive equipment or sensitive applications. The magnetic shielding solutions offered by ASRF are designed to meet the specific requirements of each individual project and are customized to provide the most effective and efficient solution possible.

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Thank you for taking the time to review our RF shielding solutions and products. We appreciate your interest in our services and hope that we have been able to provide you with the information you need. If you have any further questions or require any assistance, please do not hesitate to contact us. We look forward to the opportunity to serve you and help you achieve your goals.

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