Radiation shielding doors specifications

A)Radiation shielding doors

X-RAY shielding doors, pressed with 1mm/2mm/3mm lead sheet. The door is built around the perimeter from a wooden dryer frame with internal thermal-sound insulation honeycomb and pressed into 6mm MDF sheets, which are coated on both sides with foil 0.7-0.9mm thick formica while lead sheets are applied internally

An aluminum profile is placed around the perimeter for greater strength and impact protection.

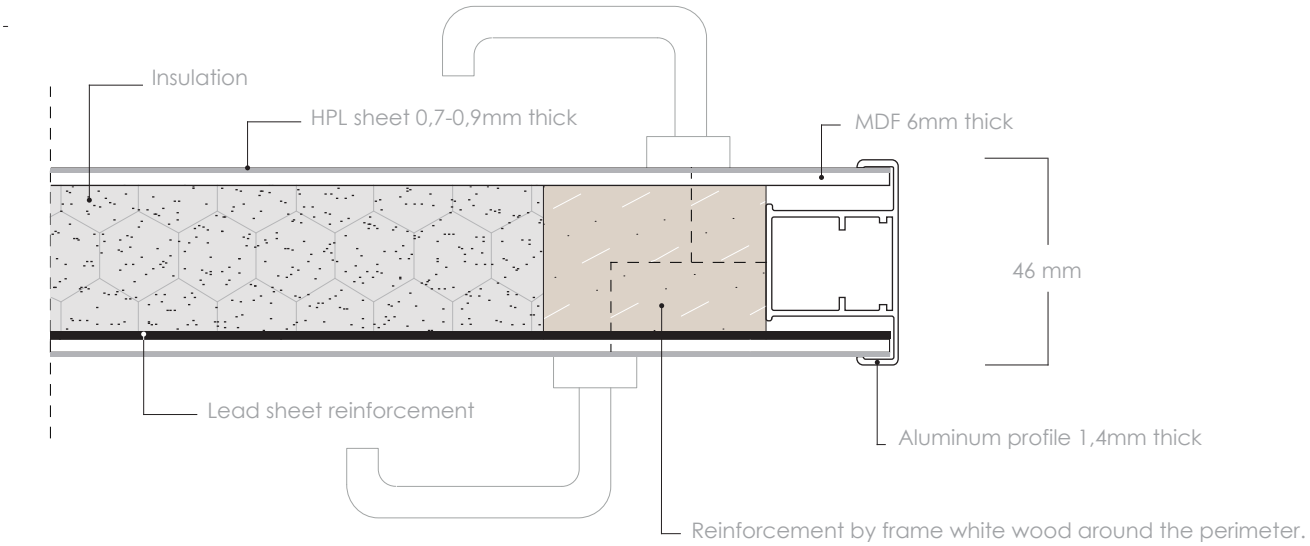
The doors can be constructed in different dimensions upon an order.

Πάχη μολύβδου

- 1mm lead sheet
- 2mm lead sheet
- 3mm lead sheet

The lock is off-center for X-RAY shielding door to block radiation leaks.

Hanging is done with four heavy duty hinges.



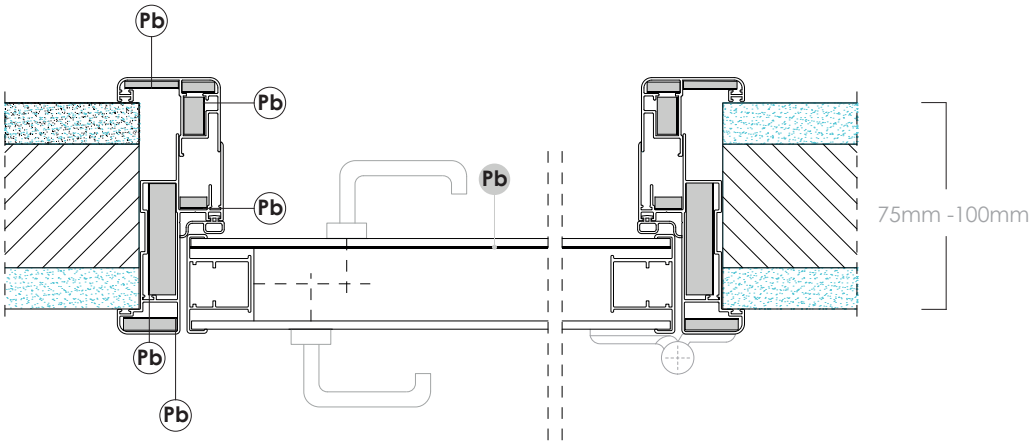
B) X-RAY SHEILDING DOORS FRAMES WITH MULTIPOINT REINFORCEMENT

Aluminum alloy specification is heat-hardening machinable alloy A-GS (50S) according to AFNOR (AlMgSi0.5 according to DIN), with an average hardness value of 76BRINNELL (HB10), breaking stress 23kp/mm2 and elongation δ50=6%. The profiles are powder coated painted 70 – 80μm thick.

Divided aluminum frames, with multipoint lead reinforcement, designed to combine an aesthetically flawless result and at the same time ensure stability of the construction and the exclusion of radiation leaks. The reinforcement strips applied inside the profiles throughout the height and width.

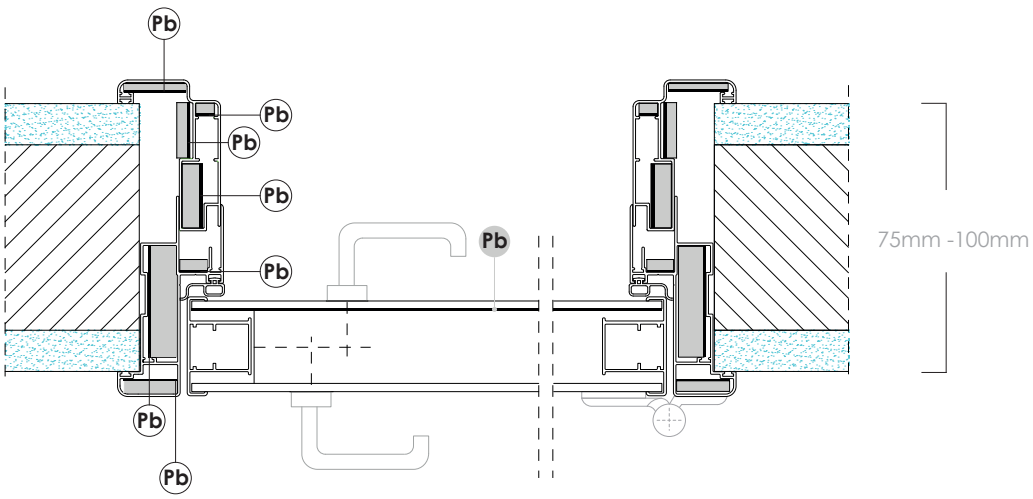
B1) X-RAY SHEILDING DOORS FRAMES FOR DRYWALL 75-100mm THICKNESS

For drywall 75mm-100mm thickness, D1 + D2 profiles are applied, which are accompanied by 5 points lead reinforcement within the frame.



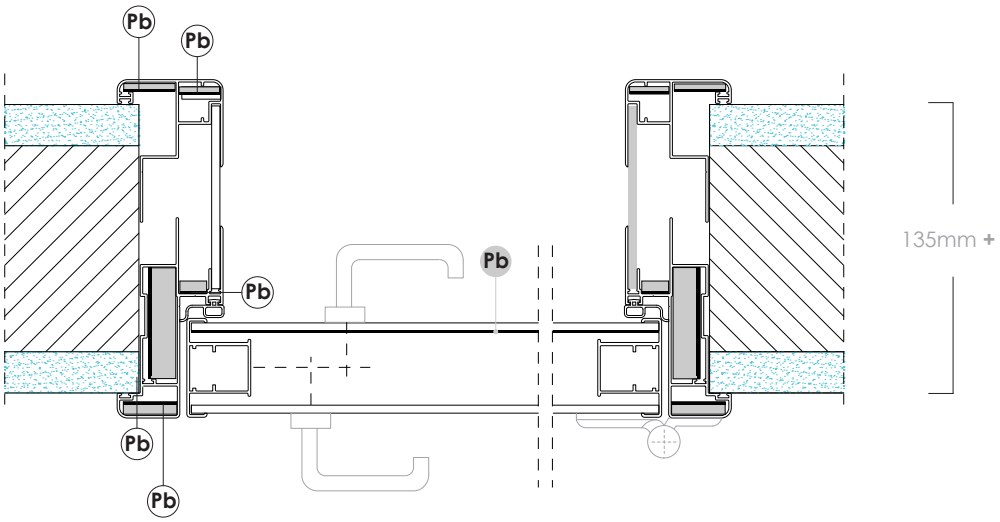
B2)X-RAY SHEILDING DOORS FRAMES FOR DRYWALL 100-135mm THICKNESS

For drywall 75mm-100mm thickness, D1 + D2 profiles are applied, which are accompanied by 5 points lead reinforcement within the frame.



B3) X-RAY SHEILDING DOORS FRAMES FOR DRYWALL 135mm+ THICKNESS

For drywall135mm and above thickness, D1 + D3 profiles are applied, which are accompanied by 5 points lead reinforcement within the frame. To cover the resulting distance from masonry, it is applied an addition of aluminum foil of the same color or MDF foil in the same color as the formica.



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