

# **Recommended installation procedure for Fibergrate's Raised MRI room flooring system.**

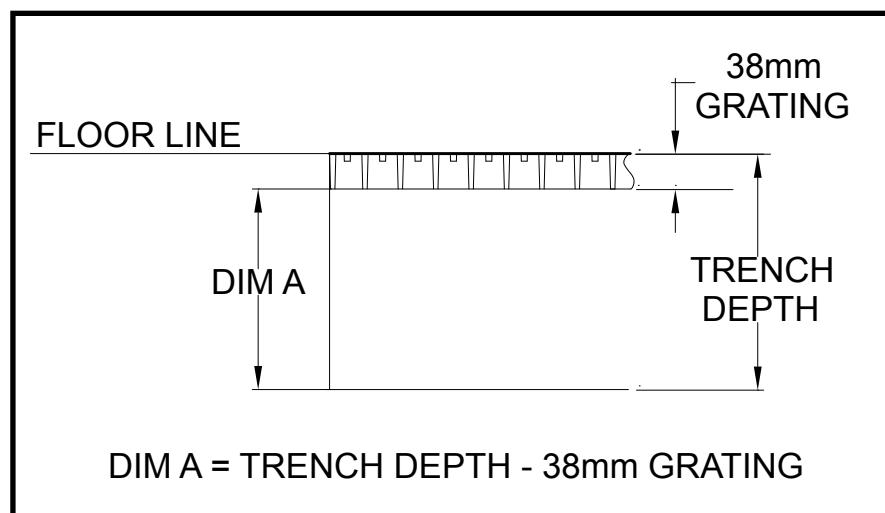
There are normally one of two installation configurations involved with the installation of the Fibergrate's raised MRI room flooring system,

1. Installation into a trench usually 1219mm wide (most common installation).
2. Installation of the system as a total room flooring installation.

## **For installations of the Fibergrate's MRI flooring system in a 1219mm wide trench, please follow these installation steps.**

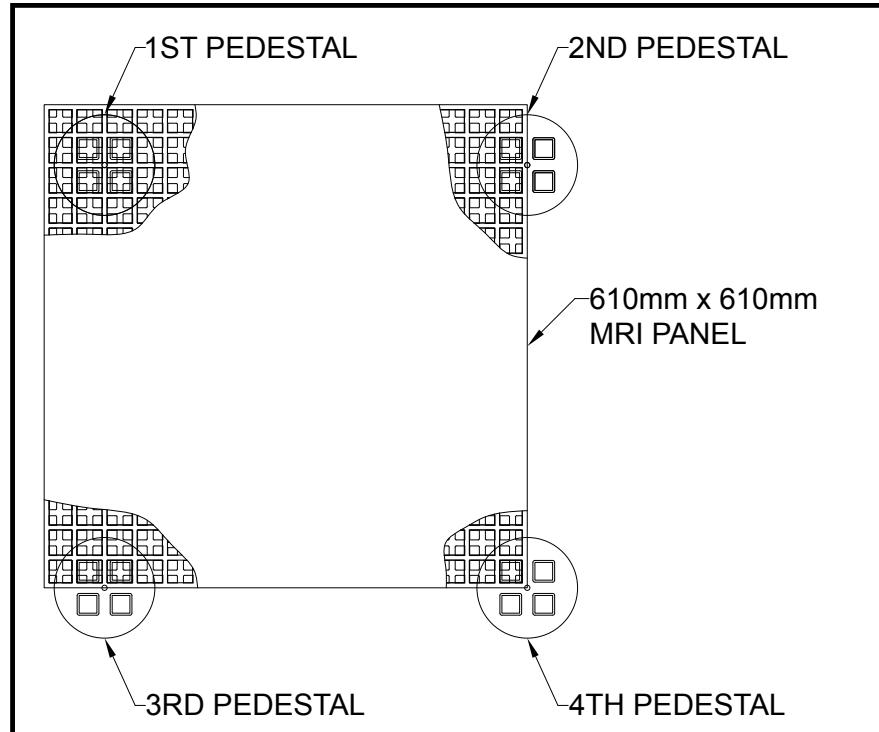
For best results, the bottom of the trench should be smooth and level. Installing the pedestals on an uneven or out of level trench bottom will result in leaning pedestals, which will cause the tops of the MRI panels to be uneven, making the panel difficult to remove from the grating pedestals. If the bottom of the trench is uneven or sloped, it will be necessary to apply a layer of grout at each pedestal location to provide a smooth and level support surface for each pedestal.

1. Unpack the shipment and lay the 610mm square panel along the side of the trench. Unpack and assemble the quad head grating pedestals. Measure the depth of the trench (distance from the floor to the bottom of the trench). Subtract the depth of the grating panel (38mm) from this dimension (Trench depth – 38mm = height of adjusted pedestal or Dimension A). Adjust each grating support pedestal to the Dimension A (See Figure 1). Once they are assembled and adjusted lay them adjacent to the grating panels within easy reach.



**Figure 1.**

2. Pedestal bases should not be bonded or glued to the floor since this will not allow the pedestals to be adjusted.
3. Begin at one end of the trench by installing one MRI panel on four quad head pedestals. The pedestal in the corner will be installed one row of grating squares inside the panels edges, so the base and round top do not extend past the edge of the MRI panel. The next two pedestals will be installed on the two adjacent corners, with two of the square fittings on the top of the support pedestal inserted into the outside row of squares on the first panel. This will leave two exposed squares to support the edge of the next panel. The fourth pedestal should be installed on the last corner of the panel. This pedestal will be installed using only one of the four square fittings on the top of the pedestal (See Figure 2). Once all four pedestals are installed under the first MRI panel, the corner pedestal and the two adjacent pedestals should be adjusted by rotating the pedestal base to produce a smooth transition from the top of the MRI panel to the adjacent edge of the trench. Adjust the remaining pedestal so the panel rests uniformly on all four pedestals.



**Figure 2.**

4. Install the second MRI panel next to the first panel, filling the 1219mm width of the trench using the exposed square fittings on two of the previously installed pedestals and two additional pedestals installed as described in step two. Adjust these two pedestals so the top of the MRI panel provides a smooth transition to the adjacent floor.
5. Install the next two MRI panel using the exposed square fittings of the previously installed pedestals and three additional pedestals. Once the two panels are installed, adjust these three pedestals as described in step 2 and 3.

6. Install the balance of the MRI panel and pedestals as described above until the trench is filled.

## For installations of larger areas or entire rooms, please follow these installation steps.

For best results the floor of the area to be covered should be smooth and level. Installing the pedestals on an uneven or out of level surface will result in leaning pedestals. This will cause the tops of the MRI panels to be uneven and the panels will be more difficult to remove from the grating pedestals. If the floor is uneven or sloped, it will be necessary to apply a layer of grout at each pedestal location to provide a smooth and level support surface for each pedestal.

1. Unpack the shipment of MRI panels and organize them for easy access. Unpack and assemble the quad head grating pedestals. Determine the desired height of the top of the MRI panel above the supporting floor. Subtract the depth of the grating panel (38mm) from this dimension (Desired floor height – 38mm = height of adjusted pedestal or Dimension A). Adjust each grating support pedestal to this dimension A (See Figure 1). Once they are assembled and adjusted, lay them adjacent to the grating panels within easy reach.
2. Pedestal bases should not be bonded or glued to the floor, since this will not allow the pedestals to be adjusted.
3. Set up a laser level in one corner of the room being covered and adjust it so it will show the desired elevation for the top of the MRI panels to be installed.

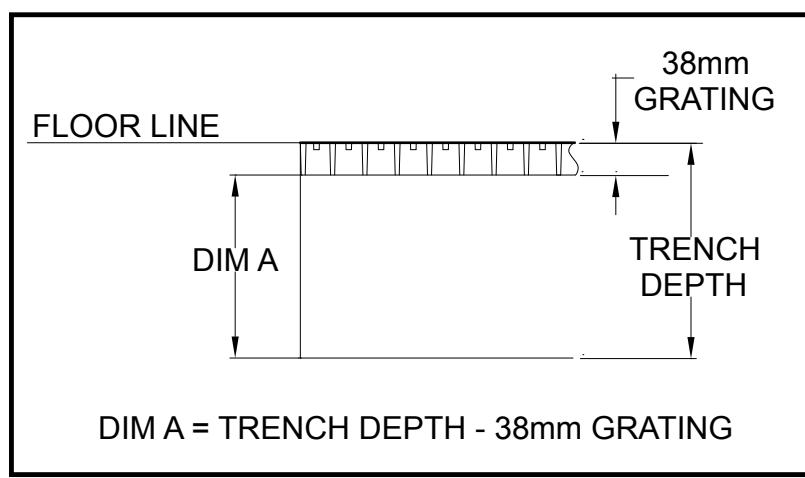
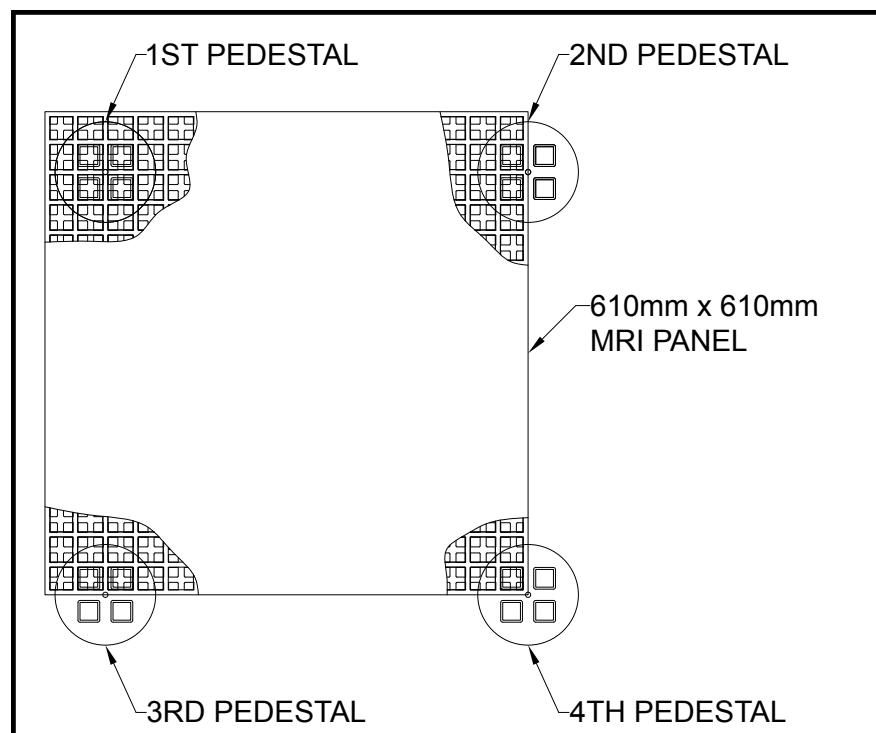


Figure 1.

4. Begin installing the flooring system in the corner of the room opposite of the laser level by installing one MRI panel on four quad head pedestals as follows. The pedestal in the corner will be installed one row of grating squares inside the panels edges so the base and round top do not extend past the edge of the MRI panel. The next two pedestals will be installed at the two adjacent corners, with two of the square fittings of the top inserted into the outside row of squares of the first panel. This will leave two exposed squares to support the edge of the next panel. (*Continue step 4 on next page*)

The fourth pedestal should be installed on the last corner of the panel. This pedestal will be installed using only one of the four square fittings on the top of the pedestal (See Figure 2). Once all four pedestals are installed under the first MRI panel, the corner pedestal should be adjusted to the desired elevation shown by the laser level. The pedestals are adjusted by rotating the base as required to raise or lower the panel as needed. Next adjust the remaining three pedestals until the MRI panel is adjusted to the proper elevation indicated by the laser level. The panel should now rest uniformly on all four pedestals.

5. Install the second MRI panel next to the first panel. One edge will be supported by the exposed square fittings of the previously installed pedestals and two additional pedestals installed on the opposite side of the panel. Adjust these two pedestals so the top of the MRI panel is at the desired elevation shown by the laser level.
6. This process is repeated across the entire room adjusting the pedestals under each panel as they are added. Once the entire row is installed, you will begin to install the next row adding two additional to the first panel of the second row and then one pedestal on each additional panel installed.
7. Repeat this process until the entire room is covered with the Fibergrate's MRI raised floor system.
8. The flooring system should be installed in an area that is surrounded by a pit wall or building wall to restrict any horizontal movement of the raised floor system. This system is not designed to be a completely free standing flooring system. If walls are not present, please contact Fibergrate for installation recommendations.



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**Figure 2.**