

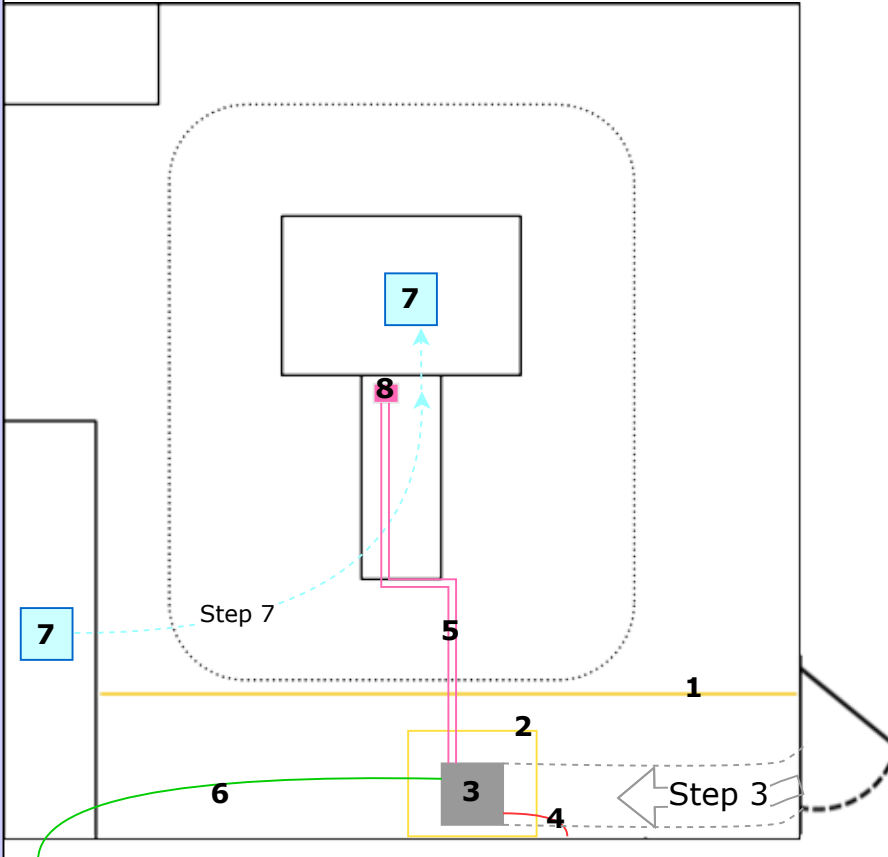
Plan for moving ferromagnetic materials into MR Lerner

Experiment Title: Catheter insertion mechanism RF loading test

Please indicate on this figure the placement of taped lines on the floor as well as the planned position of each piece of equipment to be moved into the MR suite. Provide a list of the equipment in the margins of the figure. Faculty member approval will be obtained each time the plan is changed.

Before Experiment:

1. Put down taped line (1). Do not cross until step 7.
2. Put down taped box (2).
3. Move equipment box (3) into **Zone 4** along the wall into taped box (2). Do not move again.
4. Move power cable (4) into **Zone 4** and plug into grounded outlet.
5. Wand and move ethernet cable pair (5) into **Zone 4** and plug into (3).
6. Wand and move fiber optic cable (6) into **Zone 4** and plug into (3) feed out through shielded pipe to control room.
7. Move the phantom fish tank (7) onto the bed near the bore. MRI technician moves the bed into the bore, putting (7) at isocenter.
8. Wand and move the insertion mechanism (8) into **Zone 4** on the bed outside the bore. Connect to (3) with (4).



After Experiment:

Undo steps 8-1 (in reverse order). Do not cross (1) after undoing step 7.

Equipment:

(3) is an aluminum box with brass and steel hardware designed similarly to previous equipment boxes in the catheter project but smaller

(5) have wave traps every 60 cm

(7) is the same phantom used previously in the catheter project, but with no mirror currently. It is stored in **Zone 4**

(8) Is similar to previous insertion mechanisms but with new connectors.

Faculty member OK _____ Date _____

We acknowledge successful completion of this plan. The MRI suite has been returned to its prior state.

Primary team member _____

Secondary team member _____

Date of experiment _____

Form Revision History

May 2, 2022 NRB created from SXH thermal exp