

5.7 The results of Noise Isolation Class (NIC) of the tested Nuesing Movable Walls are shown in the following table.

| Specimen Description | Specimen Location | | Noise Isolation Class (NIC) |
|----------------------|-------------------|----------------|-----------------------------|
| | Source Room | Receiving Room | |
| Specimen 1 | Room 2 | Room 1 | 49 |
| Specimen 2 | Room 2 | Room 3 | 48 |
| Specimen 3 | Room 4 | Room 3 | 49 |
| Specimen 4 | Room 4 | Room 5 | 48 |
| Specimen 5 | Room 6 | Room 5 | 41 |
| Specimen 6 | Room 7 | Room 6 | 33 |

6. Discussions

From the measurement results given in Section 5.7, it can be found that the sound insulation performance of Specimen 5 & 6 is much poorer than that of other samples. During the *in-situ* measurement, it is found that the door adjacent to Specimen 6 cannot provide sufficient sound insulation performance as the Nuesing Movable Walls. It can be believed that the poor sound insulation performance of Specimen 5 & 6 is major affected by poor sound transmission loss of doors.





APPENDIX 1

Specimen Locations

