



Department of Planning – Technical Bulletin

BC/02/17

Date: 1 September 2017

RE: SOUND TRANSMISSION

Pursuant to Section 1207 of the 2016 Cayman Islands Building Code, common interior walls, partitions and floor/ceiling assemblies between adjacent dwelling units or between dwelling units and adjacent public areas such as halls, corridors, stairs, or service area are required to meet the sound transmission requirements.

The objective of this circular is to advise that as of 2 October 2017 the Department will be requiring the submission of Listed Assemblies complying with the mentioned code section as part of the building permit submittal documents for new construction.

Air-borne sound (caused by music, and talking etc.). Wall, partitions, and floor/ceiling assemblies are required to meet the Sound Transmission Class (STC) test as per ASTM E 90.

Structural-borne sound (vibration caused by walking, and moving furniture's etc.). Floor/ceiling assemblies between dwellings or dwelling units and public areas are required to have an Impact Insulation Class (IIC) Rating of not less than 50 when tested in accordance with ASTM E 492.

Masonry - The sound transmission classification of concrete masonry assembly shall be calculated in accordance with TMS 0302 or tested in accordance with ASTM 90.

If you have questions regarding the above, please contact the department at 244-6501.

Sincerely,

Haroon L. Pandohie, MCRP, MBA, AICP
Director of Planning