

WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS
DIVISION 07 – THERMAL AND MOISTURE PROTECTION

SECTION 072150 – SOUND ISOLATION

PART 1: GENERAL

1.1 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of the West Virginia University for batts, boards, block infill, etc. to provide sound reduction between rooms and or areas.
- B. Project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications.

1.2 Quality Control

- A. Isolation for sound transmission shall isolate areas such as:
Conference rooms, counseling rooms, classrooms, janitor closets, electrical closets containing transformers, toilets, meeting rooms, mechanical rooms, residence halls, and other areas requiring confidentiality.
- B. Project requirements may dictate having an acoustic consultant on the consultant team. Review acoustic issues in project planning.
- C. In some cases an STC rating may be listed that will determine the construction method.

1.3 General Requirements

- A. Methods to use shall incorporate sound attenuation blankets, full height woven within drywall assembly to structural deck above ceilings, sound sealant, proper spacing of air grills, sound transmission boots, etc. Doors or windows assembly STC ratings shall be the minimum rating of the entire wall assembly.

PART 2: PRODUCTS – NOT USED

PART 3: EXECUTION – NOT USED

END OF SECTION 072150