

FIRESTOPPING

General

For University of Michigan Hospitals and Health Centers projects refer to Design Guideline 07841-H available at:

<http://www.med.umich.edu/facilities/planningdevelopment/ae/dg/doc/a/07841H.pdf>

Properly installed firestopping is critical to the successful fire performance of the building.

Specifications and details (where applicable) for firestopping should be included for both new construction and renovations, whether or not the renovation project involves new penetrations. Survey existing conditions for deficiencies in firestopping and unprotected wall openings, identifying both Code violations and other deficiencies. Present a summary to the University Project Coordinator, who will determine the extent of remediation for each project.

Firestopping Design Standards

Comply with the requirements of applicable building codes. Current applicable codes for UM buildings can be determined by referring to the Codes and Regulatory Agencies page of this web site at the following address: http://www.umaec.umich.edu/desguide/sid/sid_f.pdf

Include the Manual of Practice of the Firestop Contractors International Association (F.C.I.A.) in the "References" article of the specifications.

Firestopping Product Selection

Select products from recognized manufacturers which have been tested by one of the following three agencies: Underwriters Laboratories (UL), Omega Point Laboratories (OPL), or Intertek/Warnock-Hersey (WHI).

Include T and L ratings in addition to F ratings where applicable and/or where required by Code.

Floor Sleeves for Mechanical and Electrical Penetrations

Sleeves are highly recommended for floor penetrations to protect contents on the floor below the penetration from leakage or flooding caused by pipe breaks, sprinkler discharge, etc. In deciding where floor sleeves will be required, the University Project Coordinator will evaluate the level of protection desired in the project and the likelihood of water damage. Require coordination by the firestop contractor with mechanical and electrical trades so that the proper firestopping systems are selected.

Inspection of Firestopping Installations

Normally, inspection of firestopping installations will be carried out by UM inspectors. If there are special circumstances which require an independent testing/inspection agency, direction will be given by the University Project Coordinator. If a testing agency is employed, include reference to it in the specifications.