1.0 GENERAL

1.1 Co-ordination Requirements

.1 Coordinate with Firestopping requirements in Divisions 21, 26 and 27.

1.2 Description

.1 Firestopping systems designed to act as a firestop and smoke seal within fire-resistive wall and floor assemblies for any through penetrating items such as cables, cable trays, conduits, ducts, pipes and any poke-through termination devices, such as electrical boxes along with their means of support through the wall or floor opening.

.2 Firestopping materials at fire-resistive wall and floor assemblies such as joints at intersections of dissimilar construction.

1.3 Performance Standards

.1 Firestopping shall achieve a fire rating of not less than the surrounding assembly.

.2 CAN/ULC S115-11, "Standard Method of Fire Tests of Firestop Systems".

.3 ULC List of Equipment and Materials:


   .2 ULC or cUL listed firestop assemblies for intended application.

1.4 Quality Control and Assurance

.1 Quality Assurance

   .1 Contractor to have a quality control program for firestopping installation.

   .2 All trades to attend a QC start-up meeting prior to working on site.

   .3 Pre-Installation Conference

      .1 Convene a meeting between related sections following award of contract to discuss Firestopping requirements.

      .2 Ensure that other sections are aware of the maximum and minimum clearance requirements to the penetration stipulated by the Underwriter's design listing.

.2 Quality Control

   .1 Installer to be certified by product manufacturers for installation of products, including for safety and so as to ensure warranties are not affected.

   .2 Do not mix products in the system from differing manufacturers.

   .3 Use the same product for all like applications.
.3 Commissioning

.1 At the time of building commissioning, provide a comprehensive seminar to UBC’s maintenance and electrical staff on the purpose and nature of the firestop systems used. Include a "hands-on" session on re-entry, re-sealing and all safety aspects of the firestops.

.4 Maintenance

.1 Tag service penetrations and every 3.0 meters of joint seal with printed tags indicating name and phone number of subcontractor and the following statement: "CAUTION! FIRESTOP: DO NOT RE-ENTER, PN OCURE OR DESTROY UNLESS PREPARED TO RE-SEAL IMMEDIATELY WITH PROPER, UBC-APPROVED METHOD!"

2.0 MATERIALS

.1 Product preference:

.1 General fire stopping, products manufactured by Hilti (Canada) Limited. Other major firestopping manufacturers are acceptable as long as the ULC listed fire stopping system is properly installed and will suffice to satisfy the latest edition of the BC Building Code.

.2 Zone pathways for Division 27 – specifically use Hilti CFS-SL GP system. Due to the nature of IT cables and how they are installed and re-installed, UBC IT has expressed a preference for this particular system as it allows the most future flexibility and cost effectiveness while maintaining the most effective fire barrier over time and penetration re-entry, in particular the speed sleeve product preference at this time.

.3 UBC Project Manager/ Construction Office to coordinate review of the installed firestopping systems with UBC Permits & Inspections for compliance with the approved ULC listing.

.2 Use low VOC products.

3.0 EXECUTION

.1 Use primers whenever recommended by manufacturer.

***END OF SECTION***