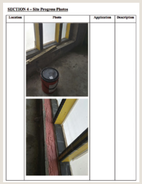
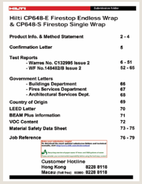
DESIGN FLOW

Inspection flow	Hilti Support
1 Identify fire risks in a building	Seminar 
2 Identify project requirement e.g. FRR requirement, acoustic, water and gas tightness, etc...	Technical document 
3 Identify jobsite constraints and application conditions	Site walk 
4 Design fire protection system to fulfill project and fire code requirement	Design proposal 

INSPECTION PROCESS

Inspection flow	Hilti Support
1 **Verify the proposed firsetop materials are applicable to specific application system** e.g. Is the proposed firestop material intumescent for combustible pipe?	Progress report template 
2 **Verify approval documents of firestop products are tested to:** **a) Required test standard** **b) Required FRR** Approval documents include test reports, ETA, etc...	Submission folder 
3 **Verify installation conditions against parameters indicated in the fire protection system** Parameters include max. annular gap, thickness of firestop material, etc...	Inspection checklist 
4 **Record of deviation and reinspection for final approval**	Documentation report template 

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FIRESTOP ENGINEERING SERVICE

FOR PEACE OF MIND

Firestop Engineering Services

Prevention of spread of smoke and fire often presents challenges for planners and installers and demand considerable administrative work. We provide comprehensive firestop engineering service to allow planners, building owners, designers and supervisory team to simply and efficiency carry out firestop design and inspection work.

A COMPREHENSIVE FIRESTOP ENGINEERING SERVICE TO MINIMIZE THE FIRE RISKS

Every year, damage caused by fire is in billions of dollar worldwide. Fire and smoke are major risks in the construction industry. A well designed and installed firestop system and well save you from huge damage cost caused by hidden fire risks.

The legal duties to improve fire safety

Code of Practice for Fire Safety in Buildings 2011

Clause C3.2

Clause C3.2

A fire compartment should be enclosed by fire barriers. Protection of all openings, joints and penetrations located in a fire barrier should have an FRR not less than that of the fire barrier.

Practice notes for authorized persons, registered structural engineers and registered geotechnical engineers

APP-158 Quality Supervision of Building Works

Buildings Department	Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers	APP-158

Quality Supervision of Building Works

The authorized person (AP), registered structural engineer (RSE), registered geotechnical engineer (RGE) appointed in respect of any building works (including street works) have the duties under the Buildings Ordinance (BO), inter alia, to supervise, whereas the registered contractor (RC) appointed has to provide continuous supervision to, the carrying out of the building works in accordance with the supervision plan. Quality supervision forms part of the supervision plan system to ensure that the building works are carried out in general accordance with the provisions of the BO and its regulations, the plans approved by the Building Authority (BA) and any approval and/or consent conditions imposed.

2. In accordance with the Code of Practice for Site Supervision (the Code), the AP, RSE, RGE and authorized signatory (AS) of the RC shall devise checklists by reference to the typical items, and to include any other particular items considered essential for the project, including those for quality supervision and any other conditions imposed by the BA at approval and/or consent stage, for compliance by their respective streams of technically competent persons (TCPs) of all grades. As regards quality supervision, the Code provides guidance on the items of works to be inspected at different stages of various foundation works, ground investigation field works and soil nailing works; identifies areas as critical stages of the works warranting more frequent supervision; and guides the AP, RSE, RGE and AS to determine certain sections of the works as critical activities.

FIRESTOP ENGINEERING SERVICES

FIRESTOP SYSTEM DESIGN PROPOSAL

Objective: To protect assets and fulfill required building performance

Seminar & site walk to go through site condition for firestopping system

Made to fit firestop proposal to suit different application systems on site

FIRESTOP SYSTEM POST-INSTALLATION CHECKING TRAINING

Objective: To safeguard proper installation of firestop system to minimize any unexpected rework

Professional training to go through inspection checklist

Documentation report to record installation against inspection checklist