



# BIM SERVICES – DESIGN SPECIFICS

Item No. 2230067



**Design of specific Hilti MEP Supports for specific applications that are not covered by a Hilti Design Core. Specific designs are required in cases that go beyond the scope of the Hilti MEP Supports developed in the Design Core or where a Design Core is not in place, such as in exceptionally complex areas of a project (e.g. technical rooms).**

## Deliverables

- **Design of specific Hilti MEP Supports** required for specific applications or areas within a project not covered by the Hilti Design Core service. 3D views and the material list will be provided for each Hilti MEP Support. All will be compiled and provided in a PDF report.
- **Engineering reports** (software design reports and if needed engineering judgments) providing the underlying calculations, in accordance with the specific Project Requirements.

## Scope

- **Solutions will be designed based on static loading.** On request, seismic loading as well as thermal expansion can be considered. Fatigue design is out of scope.
- **BIM modeling is out of scope**, yet the specific designed Hilti MEP Supports will be the basis on which the customer or Hilti can start BIM modelling.

## Execution

- Service will be performed by a **Hilti engineer** and with the coordination of a **Hilti project manager**.
- **Service will only start once Hilti receives and confirms the Service Order**, customer has provided all Project Requirements and the exact scope of work and estimated delivery date has been agreed upon.

## Customer duties

- **Provide all the Project Requirements** for service execution including boundary conditions, loads as well as specific customer preferences.
- **Access to the Project BIM-models**, located in the Common Data Environment, indicating clearly which models must be considered.
- **Proactively inform Hilti in case of changes** to the Project BIM-models and/or Project Requirements. While Hilti will use its best efforts to deliver on the originally estimated date, with project changes a new delivery date and service charges will need to be agreed upon.
- **Review service output** within 5 working days and raise any defects in writing to Hilti during this period.

## Payment

- The service will be invoiced based on hourly rate. **When possible lumpsum will be provided** based on given Project Requirements and Project BIM-models.
- The service will be charged according the agreed payment schedule.

## Complementary

- This service description only applies together with the Hilti BIM Protocol and the BIM Framework Agreement or alternatively the Hilti standard terms & conditions of sale available at [www.hilti.sg](http://www.hilti.sg) apply.