



# BIM SERVICES - DRAWINGS AND BILL OF MATERIALS

Item No. 2230161



**Drafting shop and overview drawings of the Hilti MEP Supports based on the finalized Hilti BIM-model. Two-dimensional and/or 3D views will be provided aiming to convey the design intent for prefabrication and/or installation. Hilti will propose a drawing template, yet on request will adhere to the customized drafting standards requested by the customer.**

## Deliverables

- **Shop drawings of the modeled Hilti MEP Supports** (in DWG and PDF formats) containing dimensions, material call-outs and take-offs and if requested by the customer special assembly instructions. By default, drawings will follow Hilti's drawing templates and standards.
- **On customer request**, overview drawings (in DWG and PDF formats) may be provided to indicate where the individual shop drawings apply within the project.
- Whenever possible, Hilti provides suggestions how the **Hilti pre-assembly, kitting or cutting services** can help making the installation work more seamless and quicker.

## Scope

- **Customer approved Hilti BIM-model for MEP Supports** is a pre-requisite for Hilti Drawings and Bill of Materials services.
- **Single item assembly instructions will not be replicated** in the shop drawings yet still apply and must always be followed during (pre)assembly.

## Execution

- Service will be performed by a **Hilti BIM modeler**.
- **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

- **Clarify scope of work** identifying what shop drawings are needed and what overview drawings are needed, if at all.
- **If drafting should abide by a customized drafting standard Hilti needs to be made available** and agree to the respective standard beforehand.
- **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.com.my](http://www.hilti.com.my) apply.

