

HALO FASTHUB INSTALLATION WORKS SPECIFICATION

The following specification defines the enabling works required for the installation of the Halo FastHub ("HFH").

Electrical works

1. Decommission and remove any existing electrical infrastructure where required at the designated Equipment location (e.g. lamp posts).
2. Provide a 250A 3 Phase, Neutral and Protective Earth (3P+NE) supply from the main incomer via 4 pole MCCB for circuit protection out to the HFH via cable pit or to the HFH Feeder Pillar (if required). Note: Please ensure at least 3m tails are left above cable pit for connection to HFH.
3. For the feeder pillar, supply and install IP65 rated cabinet with 250A rated 4-pole isolator for the purposes of local isolation.
Note: To reduce the cable size required between feeder pillar and plantroom, a fused switch (250A) at the feeder pillar rather than a simple isolator may be beneficial.
4. Provide 250A supply from the feeder pillar into the Equipment plantroom. (This can be by buried duct or sleeping policeman type surface cable containment – dependant on site).
Note: 4x1 core supply cables with single core BS6231 green/yellow single for C.P.C, sized according to BS7671 from feeder pillar to plantroom are preferred. Please ensure at least 3m tails are left above cable pit for connection to HFH.
5. Once delivered to site, terminate cables in the relevant part of the Equipment (narrow palm lugs may be required dependant on cable size), carry out final testing and certification to BS7671.
6. Install a 3ti-supplied Raleigh Energy Meter with relevantly sized split core CT's to site supply main incomer, install ModBus STP data cable (Recommended cable Belden 8762) to the HFH plant room*.
7. Provide a fixed line TCP/IP Ethernet internet connection to the HFH plant room via optic fibre or CAT6 cable, terminated in an RJ45 plug to HFH WAN connection*. Connection requirements can be found at <https://3ti.co.uk/faq-internet-access/>

* May be excluded for certain installation if agreed in the contract with 3ti.

Civil works

1. Remove any existing infrastructure at the Equipment location (e.g. lampposts, bollards or trees).
2. Provide suitable route for 250A supply and data cables to run to the Feeder Pillar, then onwards from to the Equipment plant room. All ducting to be in twin wall flexi ducting with slow bends.
3. Provide base for Feeder Pillar (if required).
4. Painting appropriate parking demarcations on the Equipment location (line painting of appropriate parking bays – design to be agreed).