

Each system shall be based on the following:

- 4K Ultra HD Quality
- Heat Motion Detection with Warning Lights
- 30 Metre Night Vision or 10 Metres Coloured
- IP66 Weatherproof Design
- Pre-installed 1TB Hard Drive
- 4 Channel DVR with 1TB Hard Drive
- Facility to have remote access via a smartphone.

All devices shall be hard wired, and cabling shall be carried out to manufacturer's recommendations and to be fully concealed.

Car Charging Points 1.23

The Contractor shall allow to install electrical equipment to allow the future installation of an EV charger to each house.

The Contractor shall install Henley boxes at the main consumer unit to enable a cable to be looped from this location to a small consumer unit dedicated for the EV charger in the garage. This consumer unit shall be labelled for EV charger use only.

A 32A MCB/RCBO to be fitted in the garage consumer unit and left switched off for future connection.

Also see detail on the concept drawings.

Cables to be sized for a maximum charger of 7.3kW single phase (32A). Contractor to ensure the cable is sized for the correct method of installation.

The contractor shall note that two ducts will need to be installed for each house with a remote garage.

One duct will be for the garage consumer unit and secondary consumer unit power cables and the second duct will be for the future EV Charger CT cabling on the main house supply cable.

Where the garage is integral to the house a conduit will be installed from the main house consumer unit to the garage (via ceiling void when integral to the house) to cover the future install of the CT cabling.

All ducts/conduits to be complete with draw wires.

Earthing/Bonding 1.24

The Contractor shall design, install, test and commission the complete earthing and bonding installation in accordance with BS7671 the Institute of Electrical Engineers Regulations for Electrical Installations 18th Edition and any other overriding specific requirements of western power.

Testing and Commissioning 1.25

As the installation proceeds and at the completion of each phase of the installation, the Contractor shall carry out the testing and commissioning.