
The contractor shall supply and install electrical supplies to electric showers in each of the dedicated shower changing facility space and disabled WC / shower rooms. Power supplies shall terminate into a 45Amp double pole shower pull cord complete with neon.

Mechanical Plant

The contractor shall be responsible for the design, supply, installation, testing and commissioning of all necessary supplies to the entire mechanical services installation in accordance with BS 7671 18th Edition including latest amendments, and the project mechanical performance specification. Refer to the mechanical services performance specification and drawings for details.

The contractor shall be responsible for verifying all equipment loadings, supply ratings and specialist wiring requirements with the Mechanical Services Contractor (via the Main Contractor). Final locations of all isolators and switches etc. to be agreed on site.

All electrical services from the mechanical services control panels to mechanical equipment to be by the mechanical control's contractor.

Hand Dryers

The contractor shall supply and install new hand dryers and associated electrical supplies to every toilet and changing facility where required by the architectural plans. Power supplies shall terminate in a high level switched fused connection unit located at 200mm below the ceiling height cabled to an outlet plate at the rear of the hand dryer.

Where infrared non-contact start is specified, such hand dryers must be positioned where they cannot be activated unintentionally.

Kitchenette / Tea Points

The contractor shall provide electrical supplies terminating in suitable rated accessories and final outlets or isolators and general small power as required, mounted within 1m of the piece of equipment being served.

The final quantity, location and rating of electrical supplies associated with the kitchenette areas shall be confirmed subject to receipt of final FF&E information. Where single socket outlets are situated at low level to serve the 'white goods' equipment, it shall be provided with a means of isolation above worktop level via a switched fused 13Amp connection unit.

Electric Vehicle Charging (EVC)

The contractor shall supply and install 1No. dual outlet EV charging pedestal for the site in the location indicated on the proposed external services layout. The EVC pedestal shall be a 2 x 7kW single phase and neutral 230V charging unit with 2 x Type 2 (IEC 62196) charging sockets.

The charging points shall be a proprietary unit, installed as the manufacturer's guidelines. The units shall be a standard connection with easily activated on / off / charge controls.

Each charging point shall provide mode 3 type 2 charging as IEC 61851-1 via socket outlets / charging connections complying with BS EN 62196-2. The EVC points shall be served from dedicated circuits from the external services distribution board. Each point shall be fed separately from a double pole 30mA type A or F Residual Current Device (RCD) protected circuit.

The EVCs shall be a minimum of IP44 and complete with a headend control unit capable of implementing load management as required through the Rolec VendElectric Load Manager. The charging points shall be complete with controls to ensure correct connection of the vehicle and that the output of the charging point is suitable for that vehicle.

The EVCs shall be installed in a position to minimize the likelihood of vehicle damage. Where it is foreseeable that the charging equipment could be damaged by vehicles additional protective barriers must be installed.

The main operating controls and any socket-outlets shall be mounted between 0.75m and 1.2m above the ground and display screens shall be mounted between 1.2m and 1.4m above ground viewable by a person standing or sitting.

External Warning Signage

The contractor shall design, supply and install digital warning signage as indicated on the accompanying external services drawings in order to provide alert messages in the event of an incident to incoming buses to the station.

Signage shall be fed via below ground ductwork and complete with 2No. 240V 16A supplies and one RJ45 data connection. The data shall be wired in copper CAT 6A U/FTP unless due to cable length exceeding 90m then they shall be wired in fibre optic data cable and converted back to copper within the base of the sign. All connections shall be supplied from the dedicated feeder pillars supplied from the WYCA comms cabinet.

The power supplies shall be provided to give a permanent supply for environmental controls such as the thermostatically controlled panel heater and a switched supply to enable/disable the visible messaging, this will only be live when an incident is in progress. The switched supply shall be wired via a mains rated Fire Alarm Interface which in the event of an incident/fire the sign receives a power supply which in turn activates the pre-installed message.

The contractor shall provide 2No. blue manual call points as part of the fire alarm system, one within the travel centre and one within the bus station managers office. These shall be utilised similar to the fire alarm system call points but to provide a different alert/signal which will be sent to the receiving centre in the event of an emergency.

Footfall Counter System

The existing footfall counter system currently installed is circa 2-3 years old and is believed to be operational and in good working condition. The contractor shall allow for the safe isolation, disconnection, and removal of the existing equipment. A new 13A switched fused spur and RJ45 outlet shall be provided at each point as indicated on the accompanying 6200 series drawings, SECOM who are the provider of the equipment shall then re-fit the equipment and connect to the WYCA network, this shall allow WYCA staff to gather information from the system without SECOM manually sending this to them. (This is subject to WYCA IT allowing the connection line to the Footfall Counter to their network, otherwise manual information shall be issued by SECOM to WYCA).