

Method Statement

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Description of works:

Drilling into the exterior stonework to provide a concealed cable route for the menu case and new exterior light fittings.

Drilling into the exterior stonework to provide fixing points for the menu case, installing new cabling and the fixing the case to the façade.

Removal of existing light fittings and cabling, installation of new cabling and light fittings utilising existing fixing points.

Materials required:

- 15mm masonry drill bit
- Hammer drill
- Hoover adaption
- 10mm masonry drill bit
- 10mm screws
- 10mm raw plugs
- Battery drills
- Hand tools

Sequence of works:

Drilling into exterior stonework

1. Clear the area ready to drill
2. Mark up 1nr 15mm diameter hole on stonework for the menu case utilising 1nr previous fixing point as identified on the fixing point mark-up drawing
3. Mark up 2nr 15mm diameter hole on stonework for the 2nr new external light fittings in locations as identified on the fixing point mark-up drawing
4. Use due diligence to make sure no one is around in the vicinity
5. Predrill the stonework with a smaller drill bit
6. Start carefully drilling into the existing stonework going slow and taking care
7. Slowly remove the drill bit from the wall and make sure to not cause any unnecessary damage

Fixing menu case onto exterior stonework

1. Install new cabling into the 15mm hole created through the stonework
2. Clear the area ready to drill 10mm into the stonework for menu fixings
3. Carefully mark-up 4nr 10mm holes making sure to utilise 1nr existing previous fixing point as identified on the fixing point mark-up drawing
4. Use due diligence to make sure no one is around in the vicinity
5. Drill out 4nr 10mm deep holes into the existing stonework going slow and taking care
6. Slowly remove the drill bit from the stonework and make sure to not cause unnecessary damage

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7. Insert raw plugs
8. Strip back cabling and connect menu case
9. Test cabling once all connections are made and make sure results are satisfactory
10. Place the casing over the drilled-out holes ensuring that it aligns with the holes of the menu case
11. Fix the casing to the wall using 10mm screws
12. Energise supply and check menu case and bell is working

Fixing light fittings onto exterior stonework

1. Safely isolate and carefully remove the existing light fittings
2. Carefully remove existing surface-mounted cabling serving the existing light fittings
3. Install new cabling into the 2nr 15mm holes created through the stonework
4. Drill into the new light fittings to create holes which suit the existing fixing holes on the stonework
5. Strip back cabling and connect light fittings
6. Test cabling once all connections have been made and make sure results are satisfactory
7. Screw light fittings into stonework utilising the existing fixings holes
8. Energise supply and check lights are working

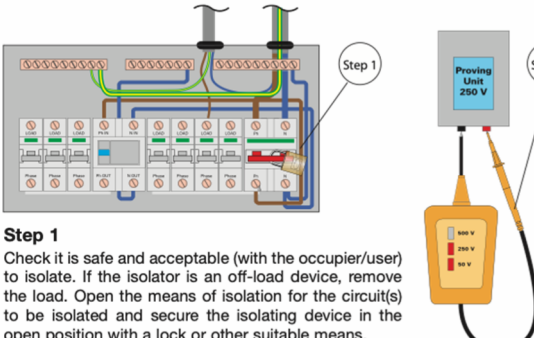
PPE used:

- Gloves
- Glasses
- Boots
- Hi-vis

Safety measures undertaken:

- Chapter 8 barriers around the drill location
- Making sure everyone around is aware of works being completed
- Taking time to avoid over heating of drill and drill bit
- Safe isolation

GUIDE TO ISOLATION PROCEDURE



Step 1
Check it is safe and acceptable (with the occupier/user) to isolate. If the isolator is an off-load device, remove the load. Open the means of isolation for the circuit(s) to be isolated and secure the isolating device in the open position with a lock or other suitable means.

Step 2
Prove the correct operation of a suitable voltage detection instrument, see note (5), against a known voltage source, such as that illustrated.

Steps 3 and 4 are shown overleaf

Notes (also see notes overleaf)

- (1) This Guide gives information on safe working procedures for the isolation of the supply of electrical energy to electrical equipment.
- (2) The example illustrated shows the minimum steps required to isolate the final circuits supplied by a single-phase consumer unit. The consumer unit includes an isolator and circuit-breakers.
- (3) When circuits are protected by fuses enclosed in a distribution board, remote isolation of the supply to the distribution board may be required.
- (4) HSG85 *Electricity at work safe working practices* gives detailed guidance on devising safe working practices for people who carry out work on or near electrical equipment.
- (5) Guidance on voltage detection instruments is given in *HSE Guidance Note GS 38 – Electrical test equipment for use by electricians*.

IT'S BIDDING REGULATIONS
COMPLIES WITH:
17TH
EDITION
BS 7671:2008
Amd 3: 2015

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