

ESTATES & FACILITIES

Document Title

Electrical Circuits for CAB/File Servers

Document Number

ES/ 011-B

Revision Index.

Revision	Date of Revision	Revised by	Revision made
A	25/11/05	AKM	For review
B	2/2/06	DAG	Issued for use

Approved Method for Electrical Radial Circuit for

CAB / File Server Units

Introduction

The following notes and drawing detail the University of Southampton's approved method for the connection of Computing Services CAB / File Server Units.

Electrical Supply

In all cases the electrical supply shall be an independent radial taken from the local distribution board.

The way used on the distribution board shall be clearly identified, this will assist in the prevention of accidental power isolation to the Unit.

Earthing / Bonding

Where the circuit is wired in a format other than single core the CPC shall be of equal CSA, to the phase and neutral.

In addition a single core supplemental bonding conductor of 4mm² PVC 6491X BS6004, coloured Green / Yellow shall be routed with the radial circuit. The supplemental bond shall be terminated external to the socket onto the 6mm brass bolt, via a suitable crimp.

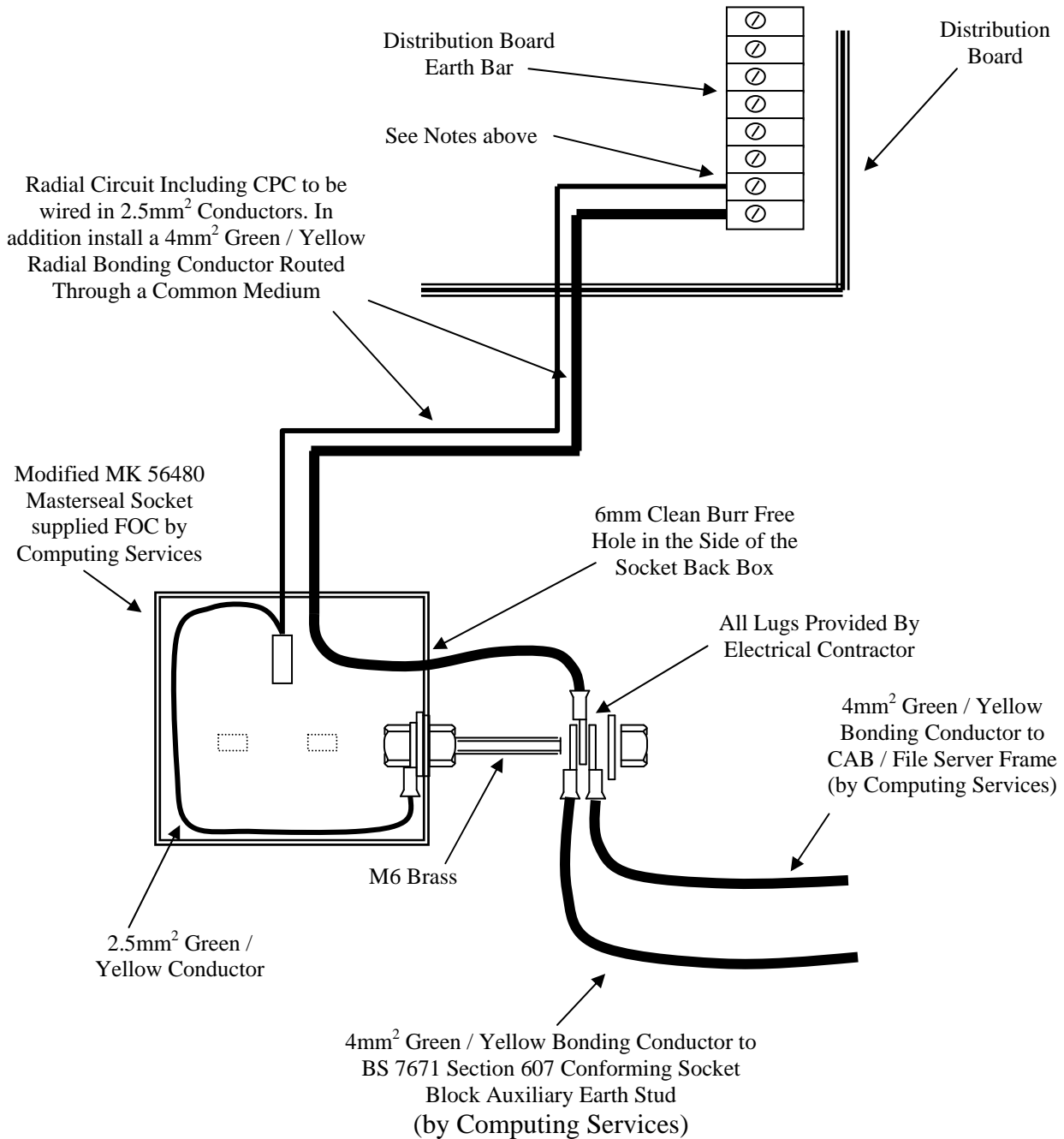
The CPC and the supplemental bonding conductor shall be terminated into the distribution boards earth block. The conductors shall be terminated into different terminals, however they can share those of other circuits. The conductors shall be clearly identified as to their purpose and duty.

From the 6mm brass bolt a 4mm² PVC 6491X BS6004, coloured Green / Yellow shall be routed to and terminated on the Cab / File Server Unit Enclosure.

From the 6mm brass bolt a 4mm² PVC 6491X BS6004, coloured Green / Yellow shall be routed to and terminated on the BS7671 Section 607, conforming Socket Block auxiliary earth stud.

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Note - Unless specified otherwise all equipment and materials shall be supplied by the Contractor.