

Scale: 1:50

Approved Document B Volume 1: Dwellingshouses: Part 2

Steel Beams / Columns:
Fully or partially obscured by studwork / concrete floors
Protection to be fire protected prior to erection of other elements.

Compartment Walls:
To be taken up to underside of roof or floor finish and fire
stopped with proprietary joint filler, size to be as recommended
by the manufacturer to give 30 mins fire resistance up to 5m to
top of floor finish, ground level or 50 mins above 5m.

Fire Resistant Walls:
To be taken up to underside of slab soffit finish and fire stopped
with proprietary profiled filler section, size to be as
recommended by the manufacturer to give required fire
resistance.

Fire Resistant Walls 2:
To be taken up through plasterboard ceiling and ceiling boards
to give required fire resistance to the space

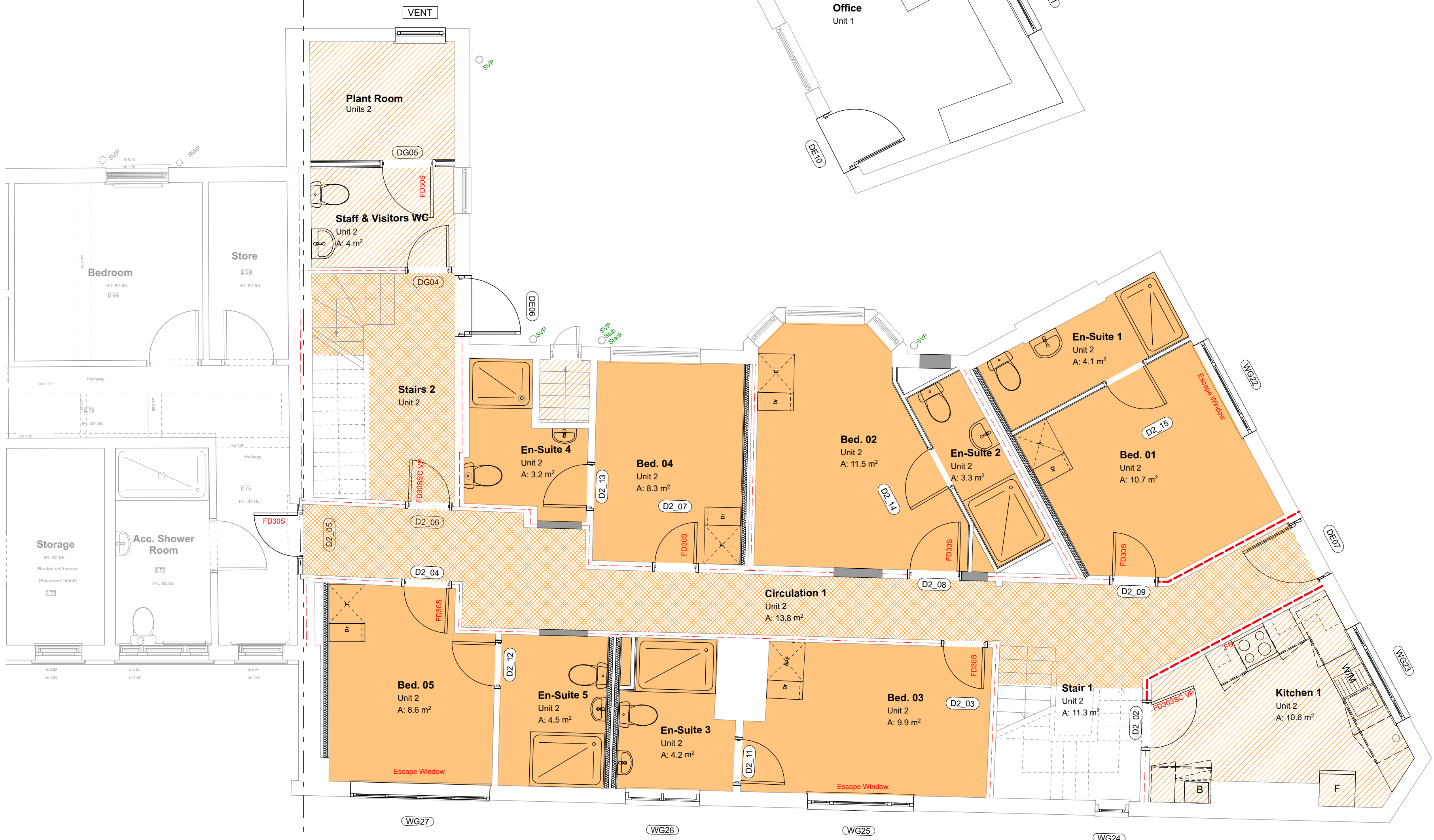
Compartment Wall, Floors and Fire Resisting Ducting:
All penetrations should be adequately protected by sealing or
other means of the element through which the objects pass is
not impaired.


Fire Detection Systems:
All new dwelling houses to be provided with a fire detection and
alarm system in accordance with the recommendations of
6:2004 to at least a Grade B Category L03 standard.
The fire alarm should be mains operated and have a
standby power supply such as a battery and conform to BS EN
14846:2005, Smoke alarm devices or BS 5446 - 2:2003. Fire
alarms should be installed in accordance with BS 5839-1:2002
Specification for heat alarms, respectively. Positions - where
possible, central to each floor and in the main circulation area.
To determine final fixing positions and agree them with the
Architect and Building Control prior to installation.

Positioning of Smoke and Heat Alarms:
Smoke alarms should be positioned in the circulation spaces
between sleeping spaces and where fires are most likely to start
e.g. at the end of a hallway. If the alarm is to be installed in a
room, it is installed there they are all to be linked so that all alarms
activate simultaneously. Smoke alarms/detectors are to be sited
at least 300mm from the ceiling and 150mm from the wall.
Mounted at least 300mm from walls and light fittings. The case
of the alarm - not more than 25mm above 25mm and
600mm below the ceiling or 25mm to 150mm in the case of
heat detectors

Alarm

Power Supplies:
The power supply for a smoke alarm system is to be connected
to the mains supply. The main supply and comprise of an auxiliary
power supply / back up



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|  | | 1 Millers Yard Roman Way Market Harborough Leicestershire LE16 7PW t: 01858 464986 brp-architects.com | |
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