



Eccleston
HOMES

The Statement for Digital Connectivity has been prepared by Eccleston Homes Ltd in support of the Planning Application for residential development at Former Mondi/Holcombe Mill, Bridge Street, Ramsbottom.



Places for Everyone JP-C2: Digital Connectivity

Digital connections are increasingly important to every aspect of our lives, from socialising and shopping to learning, business and accessing essential services. They enable us to connect to people on the other side of the world as easily as on the same street. As these connections open up a range of opportunities it is important everyone can access them so that they can fully participate in society and our economy.

Any truly global city will need to have widespread, affordable, reliable, secure and future-proofed digital infrastructure that provides a competitive edge for capitalise on new innovations, such as artificial intelligence, the Internet of businesses and supports high-levels of social inclusion. By facilitating more home-working, good digital infrastructure can also help reduce the need for travel and therefore help reduce carbon emissions, traffic congestion and air pollution.

Improving digital infrastructure and ensuring that new developments are connected to it is therefore a high priority. The development industry has a significant role in enabling this priority, as well as benefiting from it. It will be important to accelerate the delivery of full fibre gigabit-capable networks and to be at the forefront of the roll-out of next generation mobile technology. Recent decades have shown the speed with which digital technology evolves, with a new generation of mobile technology

being introduced around every ten years. The digital infrastructure will therefore need to adapt and evolve throughout this period.

In making decisions we will support a range of measures, including:

1. Enabling the roll-out of latest generation mobile technology and full fibre to the premises connectivity, in a way that maximises coverage whilst protecting townscape quality and ensuring an ability to respond to updated/changing technology;
2. Requiring all new development to have full fibre to premises connections, unless technically infeasible and/or unviable, and to incorporate multiple-ducting compliant with telecoms standards, to facilitate future-proof gigabit-capable network connections. It is expected that internet connections will be operational and immediately accessible to network providers when occupiers move into new properties and
3. Facilitating the provision of free, secure, high speed public wi-fi connections, particularly in the most frequented areas.

Building Regulations - Part R requirements

The Part R Building Regulations gives in-depth advice to meet the latest requirements for physical infrastructure for high-speed electronic communications networks in new properties, as well as to buildings with major renovations. Part R is split into two volumes:

- **Volume 1** - covering gigabit-ready physical infrastructure and a connection to a gigabit-capable for new dwellings (Requirements RA1 and RA2)
- **Volume 2** - high-speed-ready in-building physical infrastructure for new builds or large renovations (Requirement R1)

As high-speed internet access is an everyday part of modern life, Part R was put in place to improve digital communications, and to ensure everyone has access to fast and reliable broadband networks.

The current version of Building Regs Part R came into effect on 26th of December 2022, for England only.

Part R of the Building Regulations applies to all newly built dwellings and major renovations. Some buildings of multiple occupancy are exempt, such as hostels and boarding schools, as well as some very isolated properties.

The Part R Building Regulations Volume 1 covers how to install gigabit-ready physical infrastructure and a connection to a gigabit-capable public electronic communications network when work starts on new homes or buildings with multiple dwellings. It is made up of:

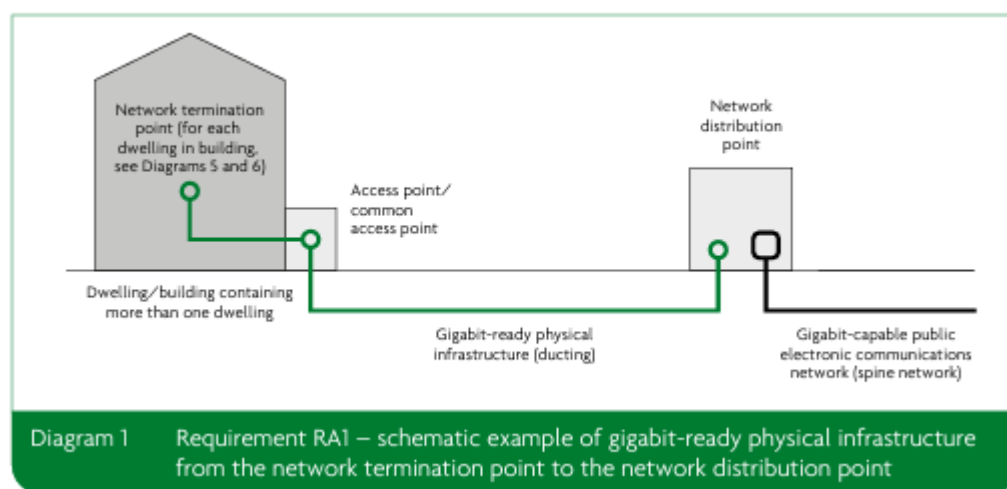
- **Section 1:** Requirement RA1 – gigabit-ready physical infrastructure
- **Section 2:** Requirement RA2 – connection to gigabit-capable network

In RA1 (physical infrastructure) Part R says that 'RA1 will be met by installing physical infrastructure or installations, including elements under joint ownership, to host wired or fixed wireless access networks. Building work must:

- Make sure each dwelling has gigabit-ready physical infrastructure that extends from a network termination point for gigabit-capable public electronic communications networks and reaches a distribution point (or access point) as close to the building as possible
- Have a common access point in multiple-occupancy buildings for gigabit-capable public electronic communications networks

Part RA2 (networks) states 'Requirement RA2 will be met by installing a relevant connection from a network distribution point to a network termination point at each new dwelling erected on a development site.' Work must make sure:

- Each dwelling is also provided with a connection to a gigabit-capable public electronic communications network



Requirement R1 is for 'high-speed-ready in-building physical infrastructure', and is covered in detail in Part R Volume 2: Physical infrastructure for high-speed electronic communications networks. To meet Building Regs Part R 1, properties must be 'designed and constructed so that high-speed electronic communications networks can be installed in the future'.

R1 states that work must:

- Ensure that the building is equipped with a high-speed ready in-building physical infrastructure, up to a network termination point for high-speed electronic communications networks;

- With buildings housing multiple dwellings, the building must also be equipped with a common access point for high-speed electronic communications networks;

Proposed installation



Step 1 – Check the box contents

- Nokia boxes will contain an ONT, power supply and paperwork
- Huawei boxes will contain the above, plus an ethernet cable
- Casing will contain a mounting template and mounting fixtures pack



Step 2 – Wall check and drill

- ONLY WHEN NOT INSTALLING OVER BACK BOX
- Check the wall for studs and cables
- Using the provided template, mark the position of the wall where you will be drilling
- Drill the two mounting holes required.



Step 3 – Mount the ONT

- Unscrew the blanking plate on the front of the back box and feed the fibre cable from the back box through the casing hole
- Mount the ONT to the wall, attaching to the back box using the mounting holes provided on the casing
- Attach the ONT to the casing using the mounting pegs. If using a Nokia ONT, remove the three casing spacers



Step 4 – Clean and connect the fibre

- Remove the cap from the connectorised internal fibre cable and clean using the one click cleaner or swabs
- Clean the green optical socket on the ONT using the one click cleaner
- Insert the connectorised internal fibre cable into the green optical socket on the ONT



Step 5 – Connect the cables

- If provided, connect the ethernet cable to the ONT and leave the excess coiled outside the casing
- Connect the power supply to the ONT and wall socket
- Ensure the cables are coiled neatly, then close the ONT panel
- Switch on the power socket on the wall



Eccleston Homes are committed to the requirements of PfE JP-C1 & C2 and Approved Document Part R which will be accommodated within all plots on the proposed development. The works in partnership with Openreach will ensure the physical infrastructure is in place to allow properties to access high speed broadband for work and leisure.



Eccleston Homes Ltd,
101 Dalton Ave, Birchwood Park
Warrington, WA3 6YF

www.ecclestonhomes.co.uk