Telephone House, High Street, Southampton

**Site Summary**
This is a full refurbishment of an old office building, BT House, into 100 residential apartments, from 1 to 2 bedroom, with some penthouses.

**The Application**
Sanitary plumbing for bathroom and kitchen.

**The Solution**
The WRAS certified MULTIPLEX PLUMBING MANIFOLD, with 15mm PolyButylene WRAS approved pipe to BS7291 used as distribution pipe work. The manifold is supplied with 22mm copper pipe. The manifold was situated in a low cost recessed plastic cabinet, inside the metal frame stud wall. The manifold pipe runs rise up into the ceiling void (the space below the block and beam construction). It is placed inside a conduit which is insulated.

**The Benefits**
Simple single point of management, with marked up hot and cold isolator taps. This allows independent isolation of each outlet. This is accessible by the occupant, in case of emergency, and also a maintenance engineer, should he be called in.

**The Players**
This was a Linden Homes Southern site, and the M&E contractor was KA Watts.

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A complete sanitary manifold set, the MULTIPLEX is shown here. This has been pressure tested and is ready to be plaster boarded in. Note the simple wooden battens used to support the pipe.
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The 15mm PB pipe rises up the inside of the metal stud wall, and goes into a plastic flexible conduit that is insulated. These isolated pipe run through the ceiling void and drop down to the terminal fittings.

The plastic housing cabinet is recessed directly into the metal stud wall. It has knock out panels to allow the pipe to rise out of the top.

Installed at first fix, the pair of elbow isolator ball valves help to isolate for pressure testing, and identify the hot and cold manifolds.

The back of the plastic cabinet is flush with the metal stud wall. The two simple wooden battens support the pipe runs.

The completed Telephone House refurbished site, now fully occupied.
Multiplex manifold assembly: exploded image of fully assembled kit

OPTIONAL
see "Manifold Accessories"

For other Monoblocco connectors see "Manifold Accessories", area of
this section or rear section 17. "Monoblocco Connectors and
Fittings" for the complete range of Monoblocco connectors and Fittings.

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Schematic example of bathroom plumbing manifolds

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