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ST FINIAN'S COMMUNITY COLLEGE / Science Room

Specification for Water, Drainage & Heating Services

(To be read in conjunction with Drawings)

Site Meetings to be arranged for detailed discussion with Architect re. Services before any work starts.

GENERAL DESCRIPTION :

Water and drainage to be connected from existing service running into Floor at end of Science Room.

Remove existing pipework and fittings.

Water and drainage to run in underfloor duct to Students' pedestals.

Water Pipework:

- 15mm copper pipework but in underground ducts use pre-insulated multilayer composite pipes.

Sinks at Students' Pedestals:

- Laboratory tap, 600mm high, twin side outlet and single top outlet bib tap, brass body with anti-corrosive plastic coating to EN 13792, serrated nozzle outlets. Cold water supply.
- 250x250x250mm Laboratory sink, heavy duty fireclay or cast epoxy resin. Waste to be acid resistant.
- Polypropylene dilution recovery trap 2.3 litres, anti-siphon, emptied by unscrewing the base from trap, certified resistance to chemicals.

Drainage:

- 37mm Vulcathene chemical resistant drainage from all sinks.
- 2.3 litre dilution trap under fittings.

Cold Water:

- Cold water services to be taken from water services manifold.
- Distribution by 15 diam. Copper pipework well bracketed.
- Connections to fittings to have Ballofix isolation valves.

Hot Water:

- Hot water to both Belfast sinks only.
- Water heater in press in Prep Room – Ariston Lux Eco (or other approved) fitted with magnesium anode rod for protection.

Heating:

- Remove existing rads and pipework.
- 4 new rads in Science Room 1.8 x 0.7.
- 2 new rads in Prep Room 1.2 x 0.7.