

1ST FLOOR

EXTRUDED HOLLOWCORE PRECAST FLOORS

1STFLOOR OPENINGS & DOWNLIGHTS

Openings in 1stfloor Slabs

Service holes of up to 90mm may be made in the panels on site. Any service holes larger than 90mm should be referred to the design engineer.

It is very easy to make holes up to 90mm diameter by hand in the hollow core of the slab as the concrete thickness is a maximum 30mm. The holes can be made in the slab after they have been erected in position.

- Larger cut-outs can be formed in the factory. These holes require more specific strengthening, but can be catered for at the design stage.
- Skylight and stair openings are formed by specifically fabricated steel hangers which are supplied and erected by 1stfloor. Alternatively a steel, brick or concrete beam can be used as support around the opening.
- The tops of the hollow cores can be opened to take steel when the units are used in composite action with steel or concrete beams.
- Skew ends can be cut in the factory with a diamond tipped saw blade specifically manufactured to accurately cut any angle.



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Downlights in 1st floor HollowCore Slabs

Fitting of downlights is as simple as coring holes through the hollow core of the slab or using a hammer and chisel (recommended chiseling from the underside) to form the required diameter hole to accommodate the downlight.

For suspended or other light fittings, simply drill a hole through the slab and into the slab's hollow core to fit the electrical wiring through. Any excessive edge chipping is easily repaired with 'Rhinolite' or similar material.

Cross Section of Downlight & Transformer Placing

