TRAFALGAR FIRE

SuperSTOPPER CAST-IN

CASE STUDY
March 2020

AUSTRALIAN MADE AND OWNED

SuperSTOPPER®

Cast-In

Trafalgar's technical team met with the builder's Quality Assurance Manager and the mechanical contractor and discussed potential options, with the SuperSTOPPER® Cast-In being proposed as the optimal solution.

Using the SuperSTOPPER® Cast-In the penetrations were established by the SuperSTOPPER® design during the concrete pour. The refrigerant pipes, electrical and data cables were run through the SuperSTOPPER® and floor without a need for spacing

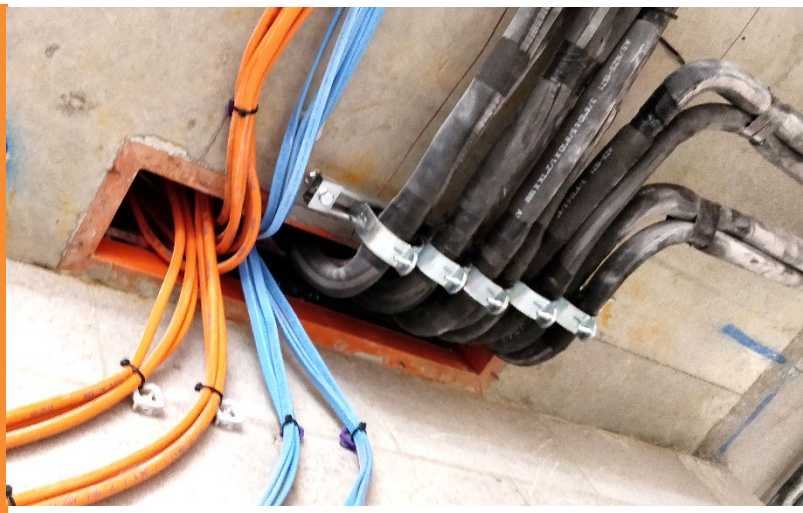

Image shows the underside of a SuperSTOPPER® Cast-In penetration, refrigerant pipe, electrical and data cables without spacing penetrating through the floor.

THE CHALLENGE

On previous projects, the mechanical contractor had traditionally run pipes through separate penetrations and used a collar on each or had paid concreters to form larger riser shaft openings.

This traditional method was labour intensive, increased the service penetration footprint and posed risks of potential compliance issues relating to penetration spacing, therefore the contractor was looking for a better solution.

Image shows SuperSTOPPER® Cast-In in freshly poured concrete slab ready for the lid to be removed and services run.

THE DELIVERY

- **Saves time and money** -no drilling or cutting the concrete
- **Simple** - nailed into form work on each level and concrete poured around
- **Fire rated penetrations** - established in the concrete
- **Large services capacity** – the mechanical plant room pipe load was managed by multiple SuperSTOPPER® Cast-In with 100mm spacings.
- **Small footprint** – less building space required due to lower spacing requirements
- **Fire tested and fully approved to AS1530.4 and AS4072.1.**

Product SuperSTOPPER® Cast-In

Size 60 apartments
9 storey

Trades HVAC&R