

RiserSafe® - total riser protection

Ambar Kelly

www.ambar-kelly.com

Cast-in riser protection - fully adaptable to accommodate all M&E services

Features - Safer, faster and low cost

- Safety system - designers can discharge their CDM 2007 duties and eliminate hazards which may give rise to risks
- Significant construction programme advantages, opens up multiple workfaces
- Reduces project costs, significant savings can be realised

Typical Finishes

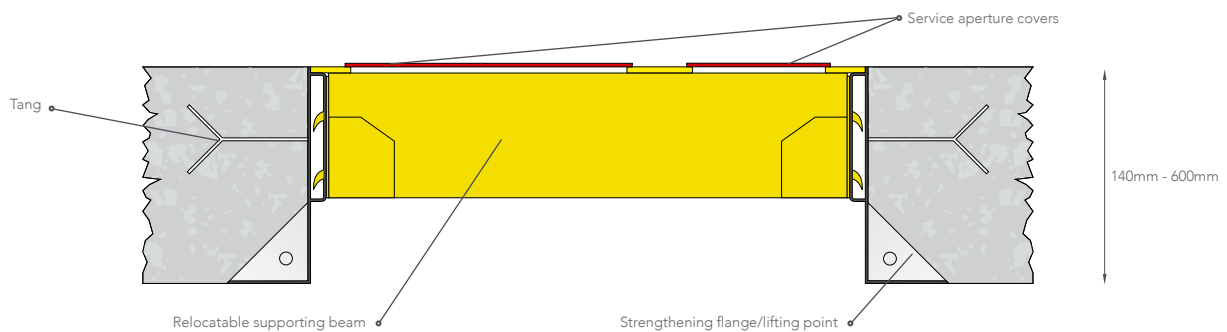
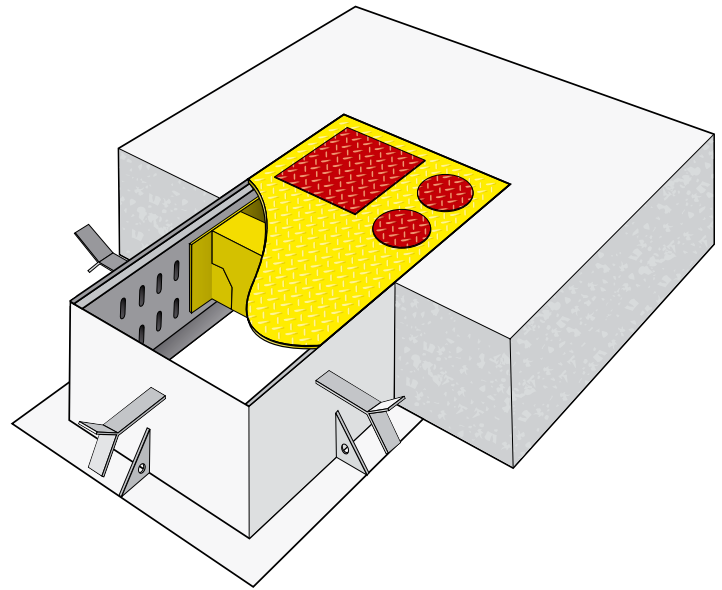
- Initial plates red oxide primed
- Zintec coated steel frame

Performance

- Safe working load of 2.5 kN/m² UDL

Options

- Shear wall abutment option
- RiserSafe® can be provided in any colour and with temporary covers in contrasting colours
- Plant room upstand
- Dropped plate (50mm) to allow for fire stop batt



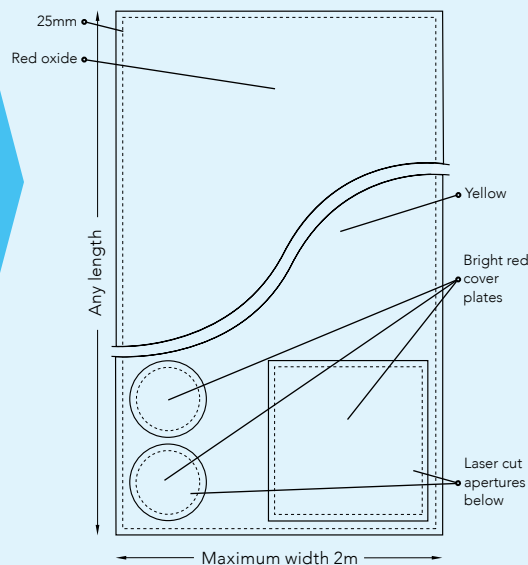
Typical specification clause for riser penetrations in concrete / steel frame buildings

Floor penetrations with any size over 500mm are to be protected with RiserSafe® units by Ambar Kelly Limited installed by the structural frame contractor, the units will be manufactured from 3mm thick Zintec coated steel, manufactured to slab depth or slab plus plantroom upstand depth where indicated, 6mm (8mm pattern) checker top plates incorporating manhole key slots, red oxide primed / painted colour...†

Top plates to be fixed down with 4no. 5/16 hex head 5.5 x 38mm tek screws, units over 1000mm x 1000mm will be supplied with toothed removable joist hangers and supporting beam, 100mm bottom flange with 6mm diameter holes to locate position on steel trimmer beam / plywood deck, 6mm strengthening flange to be welded every 600mm between bottom flange and frame which incorporates a 20mm diameter hole to accept lifting shackles, fish tail tangs to be provided every 500mm for embedment purposes. Sizes shall be as shown on contract drawings nos...†

/ delete as appropriate † insert as appropriate

Initial install



Final fit

Typical specification clause for supplying RiserSafe plates incorporating service penetrations

On completion of the coordinated design the Main Contractor / Lead Coordinating Contractor / M&E Contractor / M&E Consultant will provide builderswork drawings (having made allowances for insulation, pipe and duct flanges, collars etc) indicating the size and location of horizontal service penetrations required through RiserSafe® units, new plates will be manufactured from 6mm (8mm pattern) checker plate with penetrations laser cut to +/- 1mm tolerance, plates will be finished in red oxide primer / painted...† in colour, each penetration will be covered with a 3mm checker plate (4.5mm pattern) finished in red oxide primer / painted...† in colour, secured with 2 no. 5/16 hex head 5.5 x 38mm tek screws (penetrating ends cut off). New plates will be delivered to site incorporating manhole key slots, palletised, banded and separated with packers to allow removal with manhole keys. Any additional joist hangers and supporting beams required due to services distribution will be provided with the new plates. Plates are to be supplied with...† sets of manhole keys.