

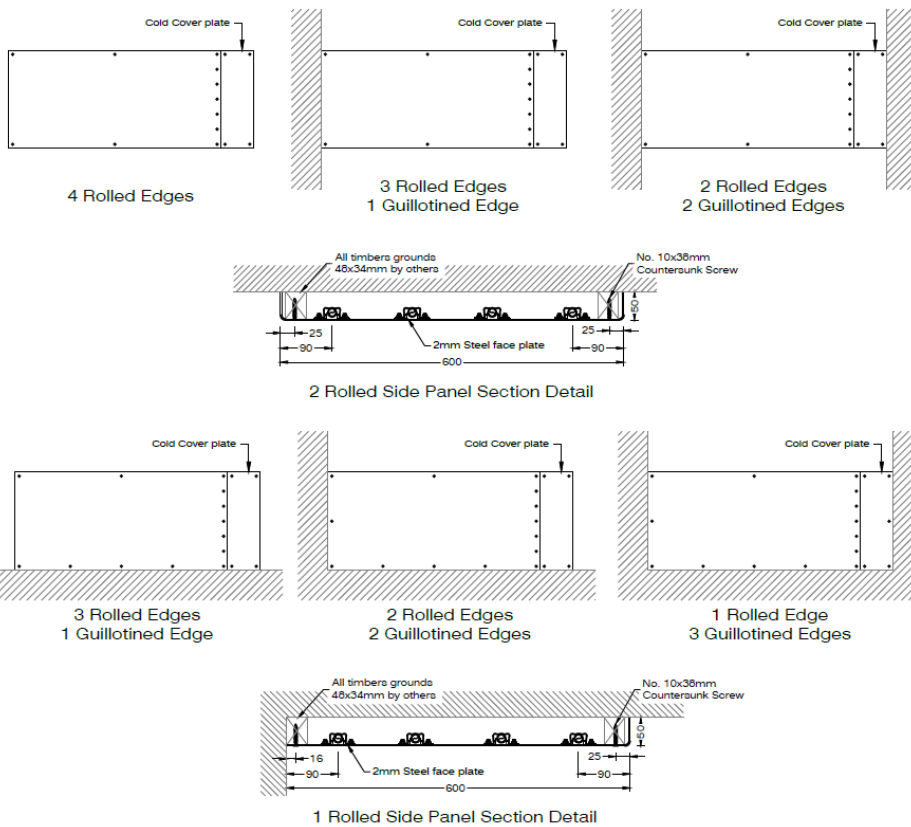
Solray Steel Panels

Application: Anti vandal/ligature panels for secure environments

Solray Steel Panels are ideal for situations where there is a risk of vandalism or intentional self-harm. These panels are therefore designed for mental health units, prisons and other custodial or high security situations.



Above, wall mounted NOMS panel before being repeatedly beaten with a four foot long scaffolding pole.



Specially designed to suit each customer's requirements, Solray Steel Panels are robustly constructed from 2mm mild steel making them virtually indestructible. For maximum security they can be supplied with special tamperproof security fixings.

The panels can be mounted on ceilings, walls or as a coving panel. They are often best positioned running wall to wall along the perimeter of the room.

Solray high security steel panels are one of a select few that are approved by the Ministry of Justice for NOMS 'safer cell' environments.



Solray Standard Steel Panel Technical Specification

- 2mm smooth steel faceplates, free of any ridges and lines
- Factory finished in a white texture to RAL 9010 (other colours can be provided)
- Waterways will be copper tubes sized to minimise pressure drops while maintaining turbulent flow through all tubes. The minimum pipe diameter will be 15mm to prevent the tubes blocking easily
- Connections will be plain copper tails with all necessary cover plates and air vents to suit the application
- All factory assembled grids are tested to 7 bar, for system working pressures of 3.5 bar. Solray panels can be tested to higher pressures if required
- A drain cock is included as standard at all low points
- Insulated with 50mm foil backed unencapsulated glass fibre with a thermal conductivity at 70°C of 0.045 W/m K
- Panel mass is approximately 25kg/m²
- The outputs of Solray Panels have been tested to BS EN 14037

For Prison Security Solray Panels

- All joints between cover plates and heated panels are reinforced as required by the MOJ