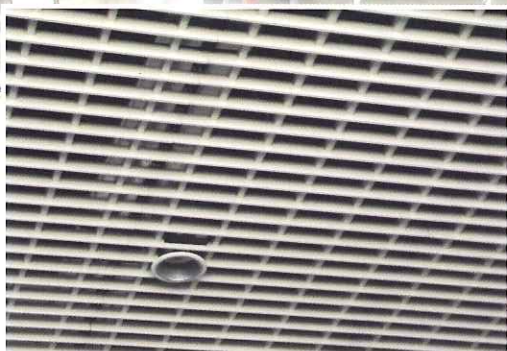


Panel System 101 GL Swing Down Open Cell Ceiling



Panel System 101 GL

Swing Down Open Cell Ceiling

A unique designed swing down open cell ceiling with variable rectangular cell patterns, upper and lower sections of cell element are interlocked in two depth levels from "**Suckow & Fischer**".



Panel System 101 GL Swing Down Open Cell Ceiling

Panel System 101 GL open cell ceiling is unique in design in terms of variable cell patterns, fully de-mountable with swing down function for maintenance and choice of different colours for upper and lower sections. The cell element has a feature of rectangular cell pattern instead of square cells for interior application. The cell element is dimensionally flexible to fit the ceiling design layout of the room so as to integrate with building service such as lighting fixtures, air-conditioned diffusers, sprinklers and other building service equipment.

The ceiling system is ideal for large interior ceiling area at airports, train stations, exhibition halls, convention centers, shopping malls and other public areas.

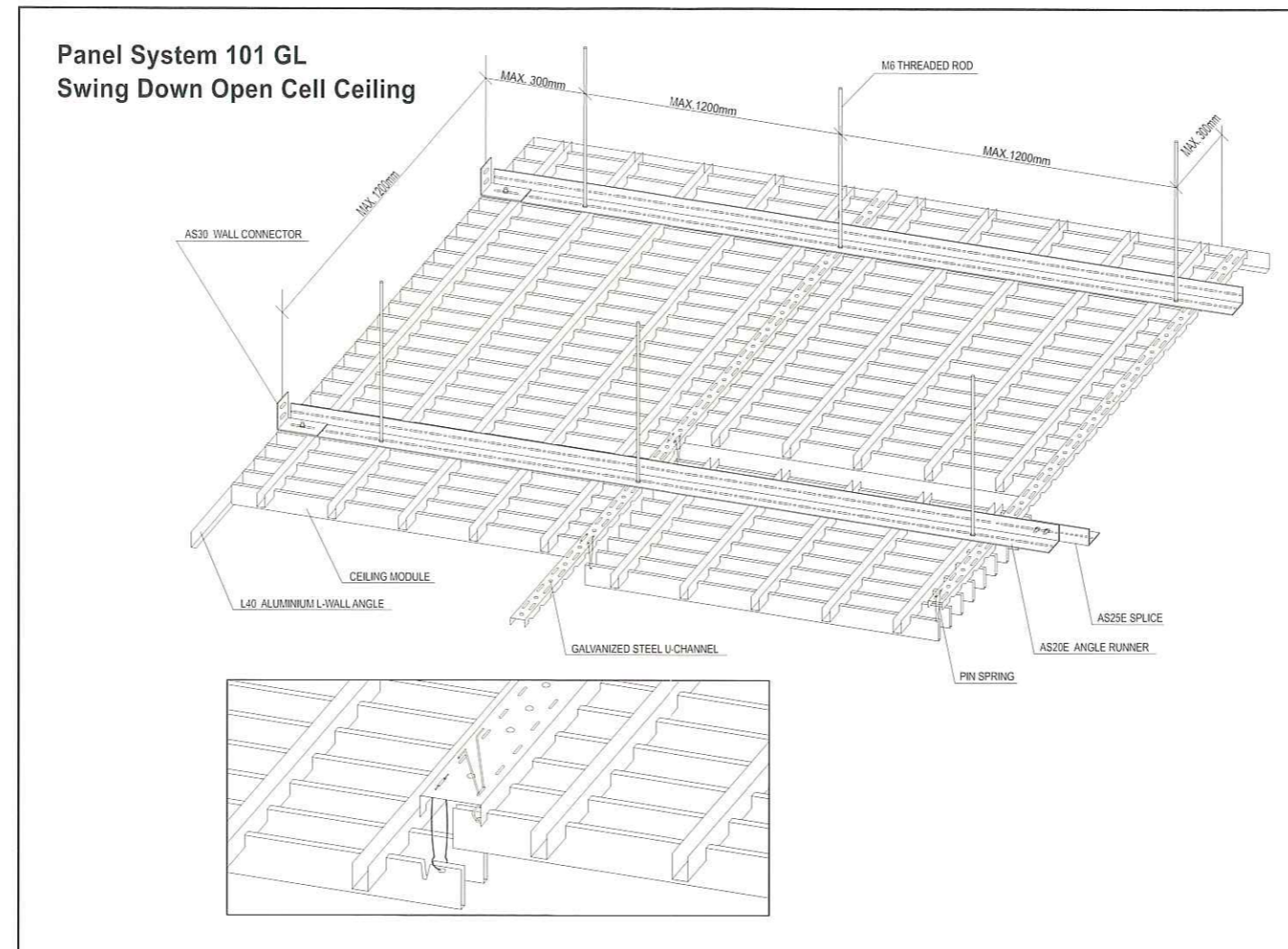
The Suspended System

For large ceiling area, it is recommended to have a primary structural profile, 'AS 20E', in 30x30mm made of 2.0mm thick galvanized steel with both flanges pierced to provide accurate spacing and even distribution of loading. The secondary cell element carrier, 'PPU', in 20x36x20mm made of 0.7mm thick galvanized steel painted in black with cut-outs at every 50mm to position the lower sections of cell element. The primary profile has a maximum span of 1500mm and it is suspended by means of GI hanger rods or thread rods at maximum distance of 1200mm. The span of secondary cell element carriers depends on the width of the cell element. The primary and secondary channels are connected with bolts and nuts.

For medium to small ceiling area and cell element width less than 1000mm, the ceiling can be suspended without primary structural profile. It can be suspended directly with the cell element carriers, 'PPU', by means of GI hanger rods or thread rods at maximum distance of 1200mm.

The Open Cell Element

The open cell element is based on a nominal element size of 1000 x 1000mm for illustration; other element sizes are available upon request to cater your building services layout. The lower section of the cell element is in a multiple of 50mm distance and the upper section is flexible in distance (G) to form rectangular shape of cell modules at your choice (examples: G = 150mm,



200mm or 300mm). The cell elements are suspended at four corners by pin-springs connecting to the element carriers. With such unique design, individual cell element can be dismantled from the carriers for maintenance of building service above. The procedure of dismantling the cell element is simple and easy; by pulling downward the cell element and disconnect the two pin-springs along the same carrier; the cell element will be opened and swung down hanging perpendicularly to the carrier at other end of the element.

Materials

The cell element is made of aluminium alloy coil-coated in advanced polymer system. The aluminium coil thickness is 0.5mm.

Finishes

Polyester stove-enamelled coil-coated finish on visible side is minimum 20 micron thick; non-visible side is 5 micron thick prime coated. Available in a range of standard colours.

Fabrication Process

Continuous cold rolling technique is applied to form upper and lower sections to the required shape.

Building Services

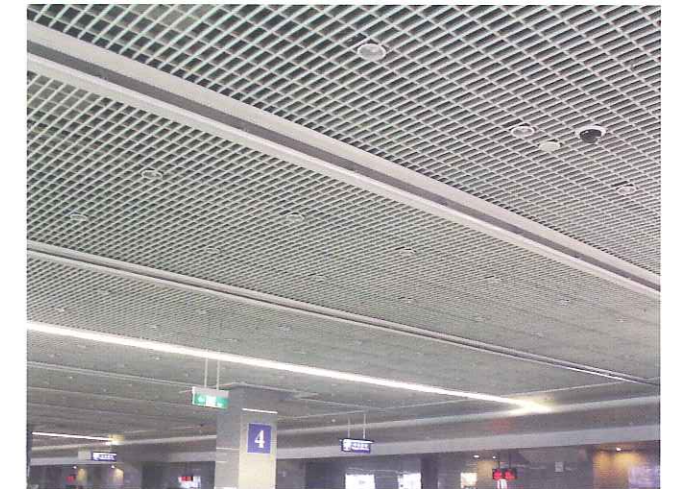
The system is totally integrated with light fittings, air-conditioned diffusers, sprinklers and other building service equipment without limitation to their sizes and shapes.

Fire Test

Compliance to Fire Test : BS 476:Part 6 & Part 7
Fire propagation & Spread of flame

Acoustics

Excellent sound absorption coefficients can be achieved by laying sound insulation inlay at the back of the suspended cell elements.



Advantages of Panel System 101 GL

- Fully de-mountable with swing down feature of individual cell element.
- Cell modules in rectangular form in two depths.
- Flexible in element size and dimensions of cell modules.
- Dimensionally stable; fabrication with roll-forming dies.
- Rigid and stable grid & suspension system.
- Fully integrated with all building services.
- Colour consistence with coil coated material.
- Low maintenance; dismantle individual cell element easily.

Accessories

