

CEMAC ATC

Air Tight Performance Clip In Concealed Ceiling System

SPECIAL DESIGN FOR

Health Care Service
Centres
Isolation Wards
Cleanrooms
Bio-tech Laboratories

Panel Size

600 x 600 / 1200mm
or
300 x 1200mm, others
by request

Panel Thickness

1.0 – 1.5 mm

Panel Material

Aluminum

Clip In Profile

0.5mm thick
galvanized steel

Universal Bracket

2.0mm thick
galvanized steel

Perimeter Angle

30 x 30 x 2.0mm
galvanized steel,
perforated



MATERIAL SPECIFICATION

CEMAC ATC Air Tight Performance Clip In Concealed Ceiling System comprises of proprietary concealed grids substructure and demountable ceiling panels with closed and butt joint. Panels shall be formed with inward facing flanges on all four sides with vertical clip in profile and built-in gasket around perimeter. Special C profile perimeter angle trims are formed with built-in gasket, odd size panels can be secured by hold down bracket.

The system can be integrated with standard modular luminaires, ventilation and surveillance systems. Panels can be dismantled by means of suction cup lifter for easy access to plenum by pulling out and detach.

System Features

Surface Finish

Anti-bacteria polyester powder coated with white RAL9010 or RAL9016; option colour by request
Coating thickness: 60 – 70 microns

Perforation

Plain surface

Wall Perimeter Trim

Special design C shape trim made of 1.5mm thick aluminium, odd size panel secured by hold down bracket.

Air Tight Gasket

Factory built-in compressible gasket fixed around perimeter of ceiling panels.

Air Tight Standard

Complied with EN12114-2000 Thermal performance of buildings. Air permeability of building components and building elements.

Compatible with ISO 14644-1 application

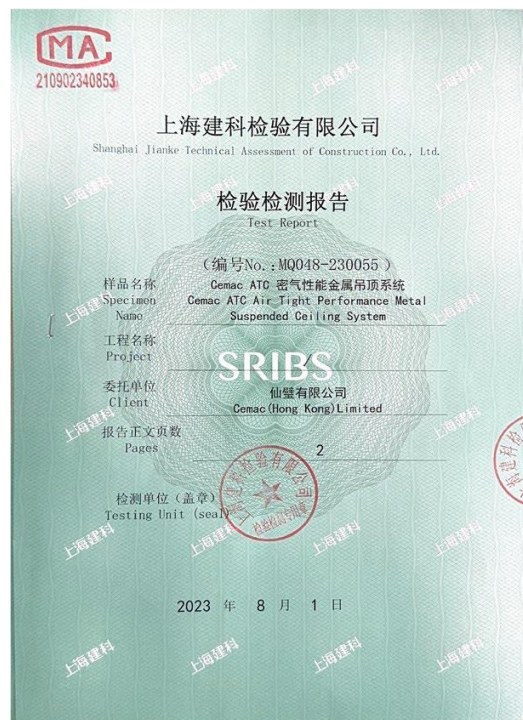
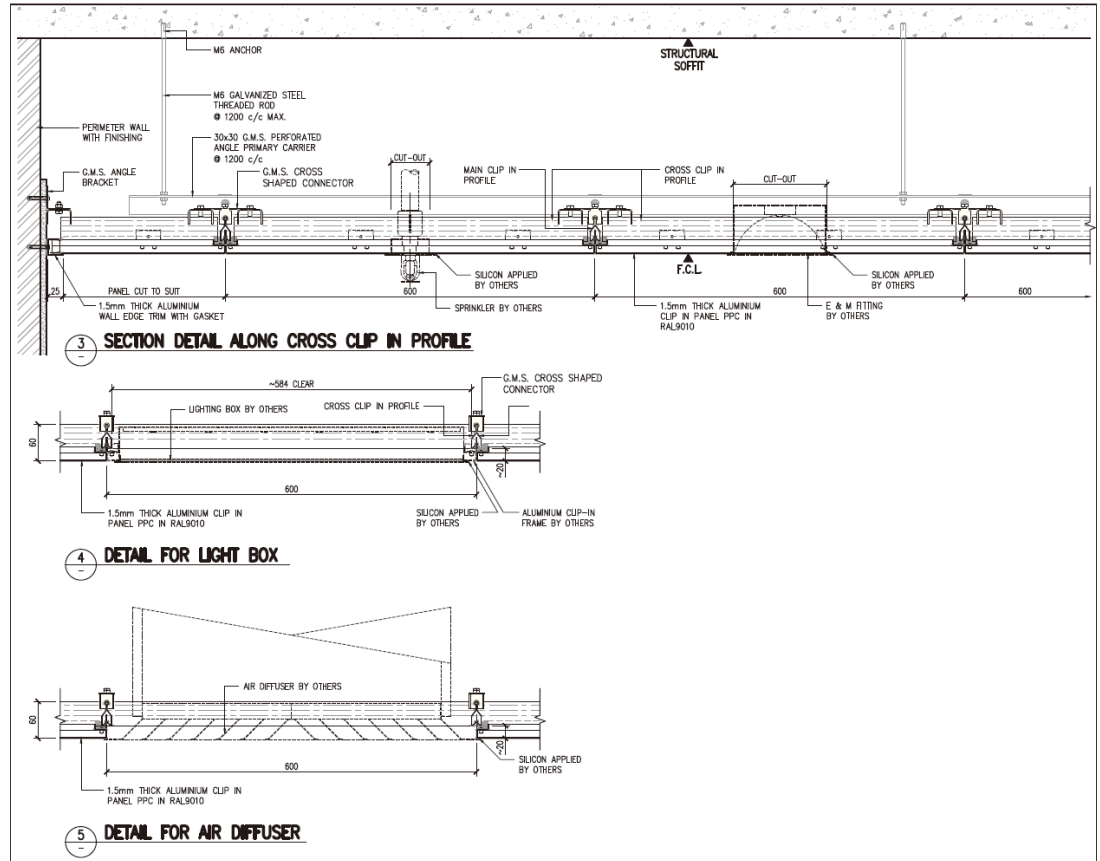
Fire Safety

Complied with BS476 Part 6 & 7 Class 0

Durability

EN13964 : 2014

Table F.1 Class B - Classes of Exposure & Clause 4.3.2.1 & 5.2 - Classes of Deflection



GOOD PRACTICE DESIGN

- Concealed suspension system with plain surface
- Air tightness proven
- Anti bacteria coating
- Closed and butt joint
- No sealant requirement
- Easy access
- Cost saving for access panel
- Quick and fast installation