

SFL2000 FRONT LOAD PANEL SYSTEM

INTRODUCTION:

SFL2000 Front Load System is design to meet your most demanding criteria as:

1. Cost effective & value engineering

- With SYC special design aluminium profile systems are easy to install and joint.
- Flexible installation, can install the panel in different location to suit the project schedule or can pre-install the aluminium stud frame without the panel, easy for installation schedule planning.
- Lower cost design
- High intensity aluminium skin with aluminium honeycomb panel
- Fast, flexible and easy installation
- Special design for return air chase front load wall panel
- Save cost and rigid wall panel systems

2. Superior appearance

- Smooth color bone aluminium skin surface gives perfect appearance

3. Demountable and easy to remodel

- Using special design profile to install, all using self-taped screw to install with each other, easy to demount and remodel
- Easy to change the defect panel, panel-changing can done with only remove the batten between panels.
- Panel can uninstall and remodel at other location, also easy to cut on site to fix the systems.
- High intensity aluminium honeycomb panel. Easy for handling during remodel process.
- Reusable system with flexible custom to size

4. Fast delivery and competitive cost

- Provide the fast delivery to meet customer schedule.
- Provide high quality product and reasonable price to meet customer requirement

5. Non-combustible material

- Approved and tested by China National Fire Department Quality Supervision Centre which the aluminium honeycomb panel is non-combustible with Class B1.
- Equal to standard GB/T9978-1999

6. Suitable for cleanroom 10 to 100K

- SFL2000 front load wall panel system is special design for low and high end cleanroom which is suitable from Class 10 to Class 100K

System: Demountable wall panel system

Panel Type: 7 mm thick
Panel edge without close edge
Combustion property, non-combustible material, according to standard GB5464

Applications: Electronics & Pharmaceutical Cleanroom

Facings: 0.8mm PE Roll Coated steel skin, with or without Static Dissipative Surface Treatment
Conductivity: $R=10^6\Omega-10^9\Omega$
The surfaces are protected with a film foil (0.04mm) for the prevention of scratches during transport and installation damages.

Color: Grey White (Close to RAL 9016)

Core: Aluminium Honeycomb, $T=0.06$ mm, $\varnothing=17$ mm

Adhesive: Rebon YB2002 (resin) mixed with YB8001 (Hardener) Epoxy Paste Adhesive
Mixing Ratio, YB2002:YB8001=2:1

Panel Dimension: Thickness of the panel is 7 mm.

Table 1: Honeycomb Aluminum Panel Specification

Description	Honeycomb Aluminum Panel
Non-Combustible	Class B1
Resists Temperatures	>100°C
Water Absorption	Moderate
Compression Resistance	>100kPa
Aluminum Core Thickness	0.06mm
Aluminum Honeycomb Diameter	D=13mm
Compressive Strength	>200 kPa
Flammable Gas Toxicity	Less

The vertical joint between panels will be sealed with SYC aluminium special design accessories (refer to detail drawing).

Figure 1: SFL2000 System Detail Drawing

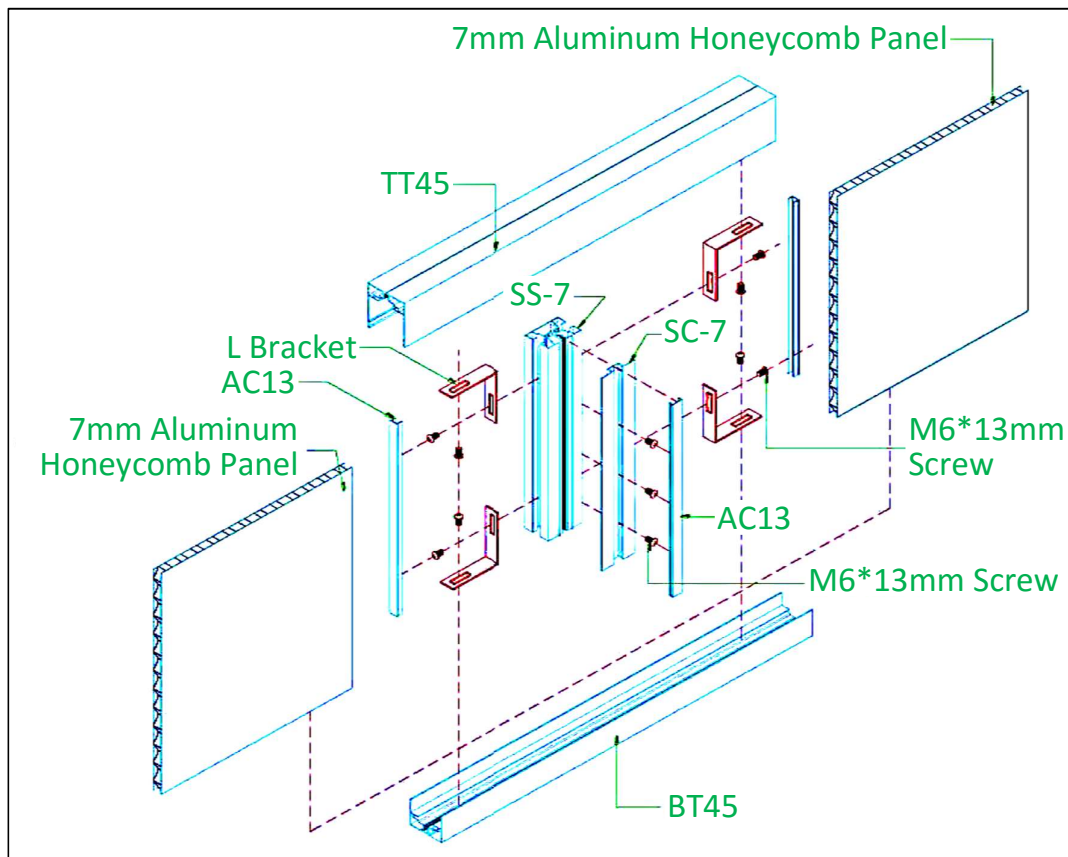


Figure 2: SFL2000 System Disassemble Drawing (Internal)

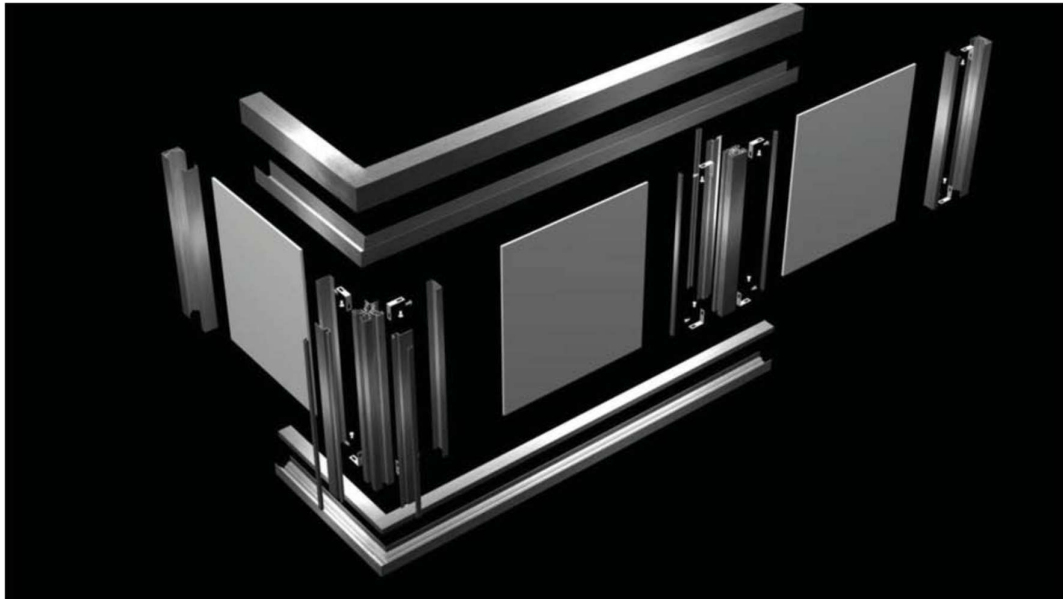


Figure 3: SFL2000 System Disassemble Drawing (External)



Figure 4: SFL2000 System Panel Top and Bottom Track Point

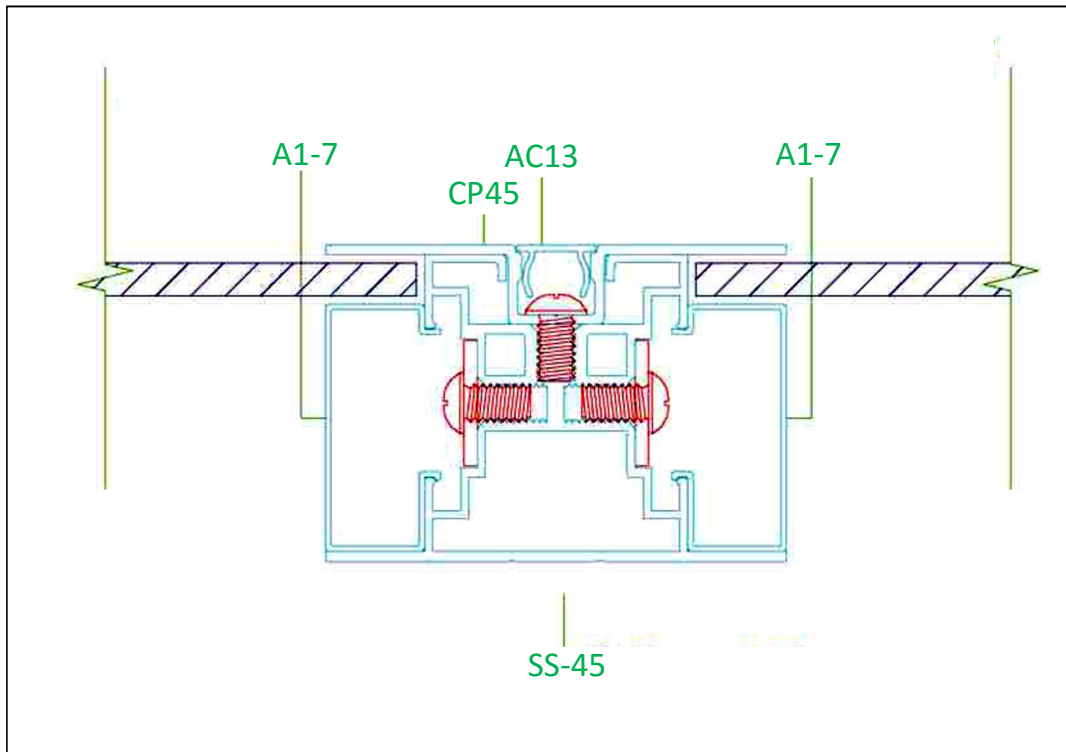


Figure 5: SFL2000 System Window & Panel Joint

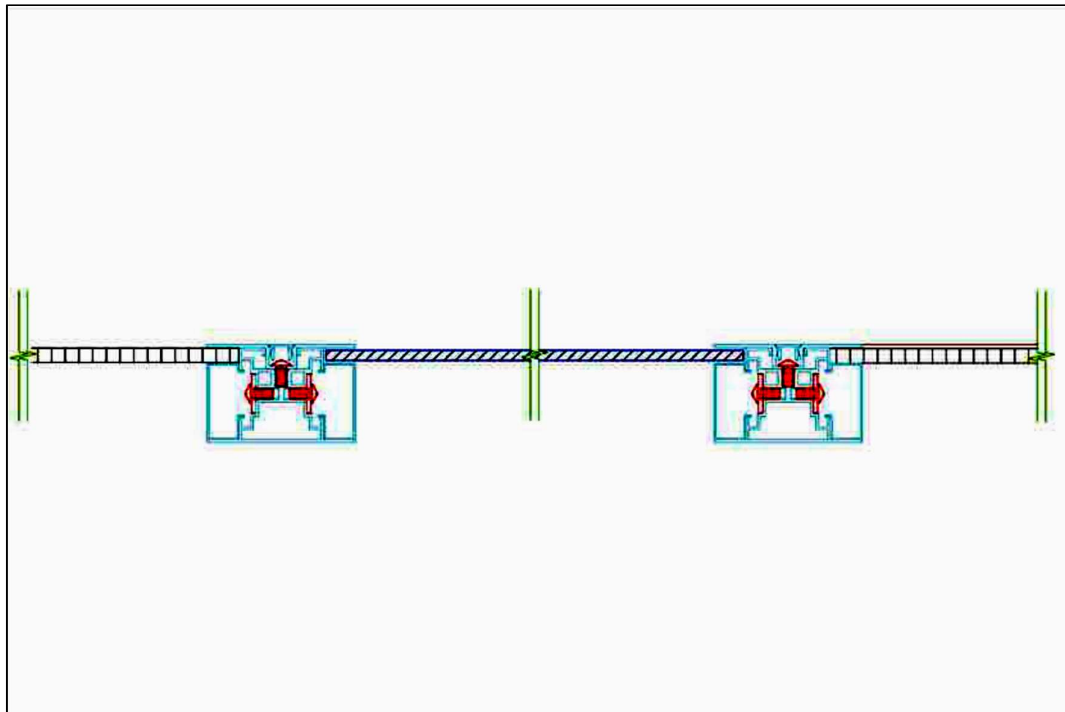


Figure 6: SFL2000 System Corner and End Post Joint

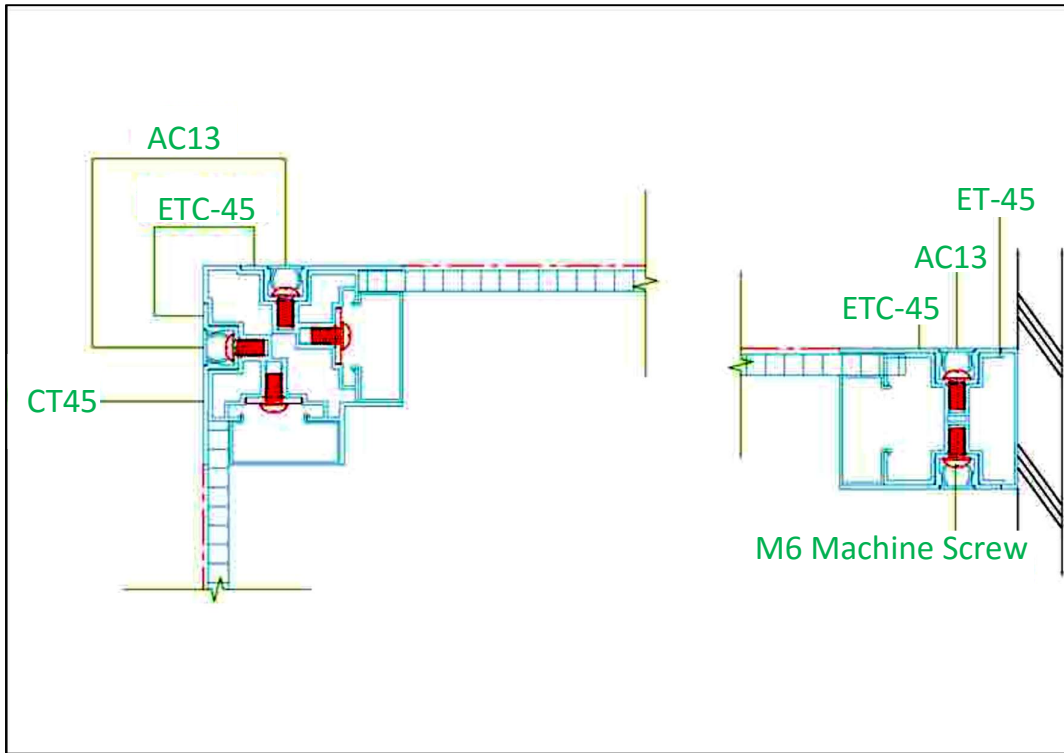


Figure 7: SFL2000 System Door & Panel Joint

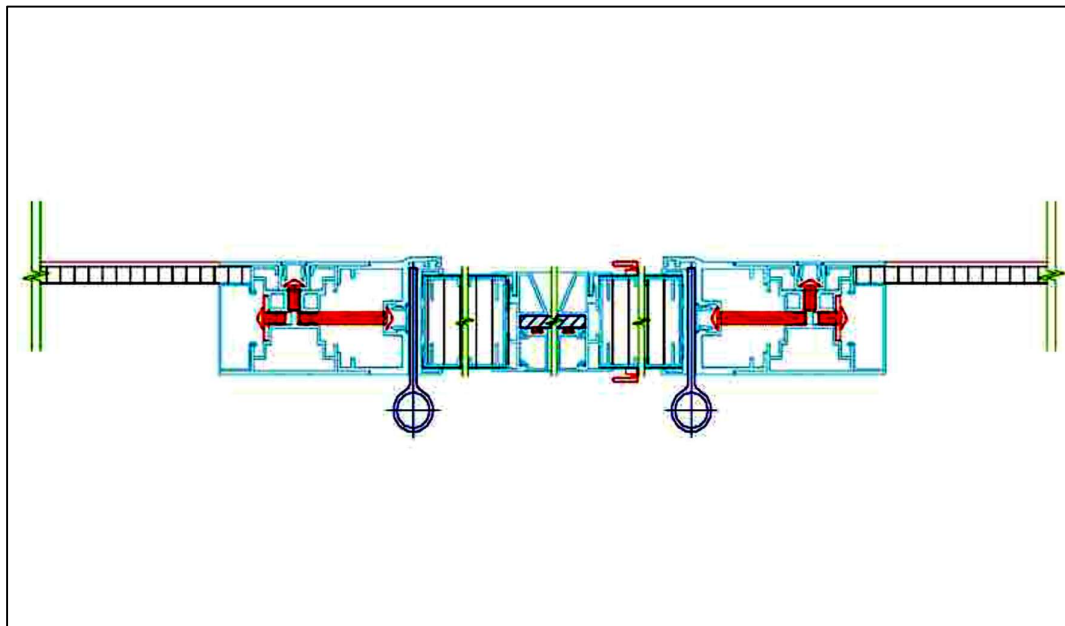


Figure 8: SFL System Room at Corridor Area



Figure 9: SFL2000 System

