SB50 STUD-LESS WALL PANEL SYSTEM

INTRODUCTION:

SB50 Stud-less System is design to meet your most demanding criteria as:

1. Cost effective & value engineering
2. Superior appearance
3. Demountable and easy to remodel
4. Fast, flexible and easy installation
5. Fast delivery and competitive cost
6. Fire rated
7. Suitable for cleanroom 100 to 100K
8. Reusable system with flexible custom to size
9. For wall insulation purpose

System: Demountable wall panel system

Panel Type: 50mm thick
Panel edge sealed by 0.8mm GI sheet made framework

Applications: Electronics and Pharmaceutical Cleanroom

Facings: 0.5mm PE Roll Coated steel skin, with or without Static Dissipative Surface Treatment
Conductivity: R=$10^6\Omega$-$10^9\Omega$
Or 0.5mm PE Roll Coated, non-conductivity surface
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, Rockwool, Paper Honeycomb

Adhesive: Rebon YB2002 (resin) mixed with YB8001 (Hardener) Epoxy Paste Adhesive
Mixing Ratio, YB2002:YB8001=4:1

Panel Dimension: Thickness of the panel is 50mm
Width of the panel is 1187mm

Shun Yi Cheng Contract Engineering Pte Ltd
No. 15, #01-22, Changi North Street 1, I-Lofts@Changi, Singapore 498765
Office Telephone: 65 - 6443 7977, Office fax: 65 - 6443 7577
Website: www.sycce.com

Table 1: Honeycomb Aluminum Panel Specification

Description	Honeycomb Aluminum Panel
Non-Combustible	Class B1
Thermal Conductivity	<0.044 W/mk
Resists Temperatures	>100°C
Water Absorption	Moderate
Compression Resistance	>100kPa
Aluminum Core Thickness	0.06mm
Aluminum Honeycomb Diameter	D=17mm
Compressive Strength	>200 kPa
Flammable Gas Toxicity	Moderate

Table 2: Rockwool Panel Specification

Description	Rockwool Panel
Fire Rating	>1 hour
Thermal Conductivity	<0.044 W/mk
Resists Temperatures	>1000°C
Water Absorption	Moderate
Compression Resistance	>40 Kpa
Noise Absorbing, at 125 Hz	0.07
Density, kg/m^3	100 kg/m^3~120 kg/m^3
Compressive Strength	150 kPa
Flammable Gas Toxicity	Moderate
Core Intenerate Temperature	>150°C

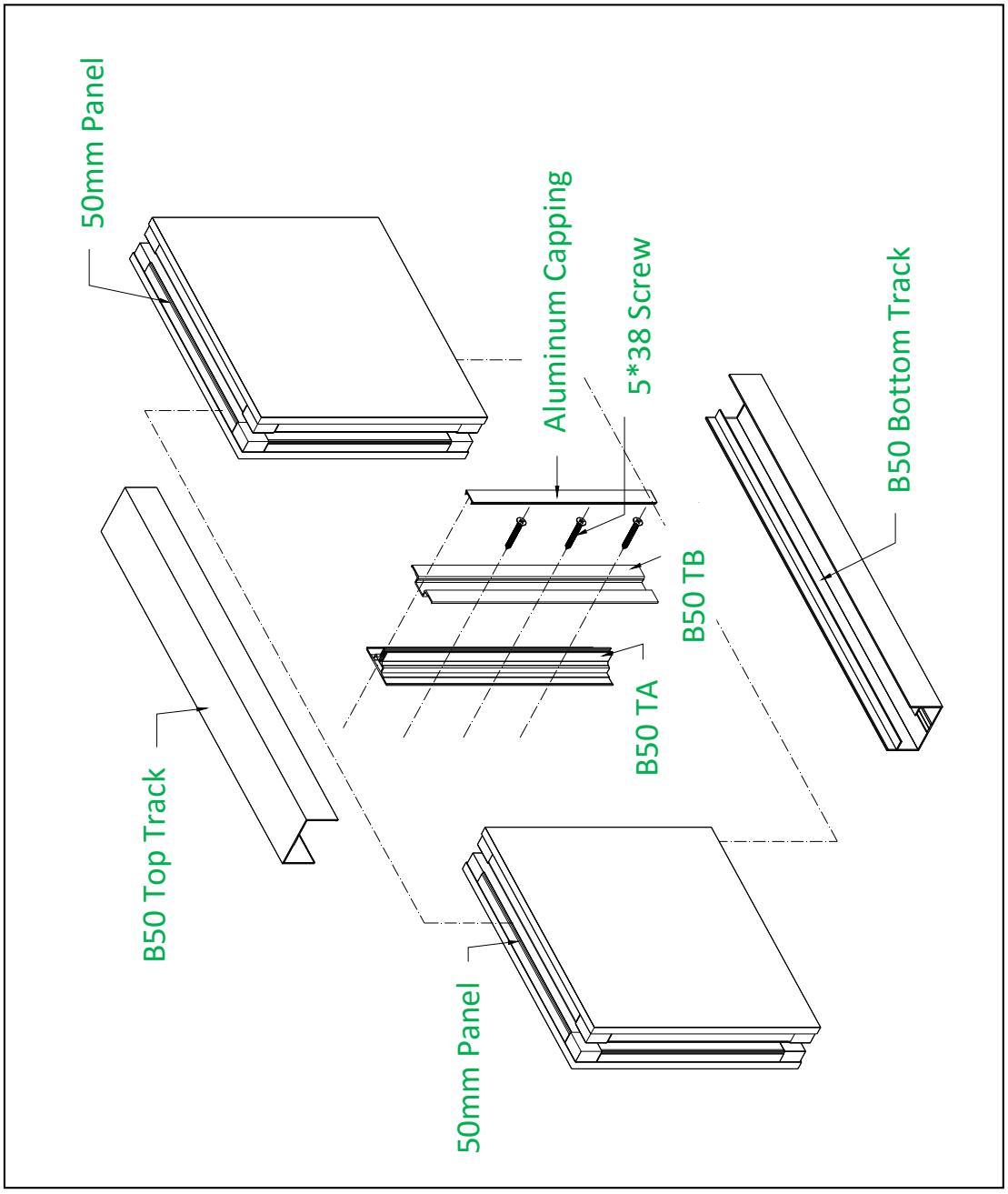

Figure 1: SB50 System Detail Drawing

Figure 2: SB50 System Disassemble Drawing (Internal Corner)

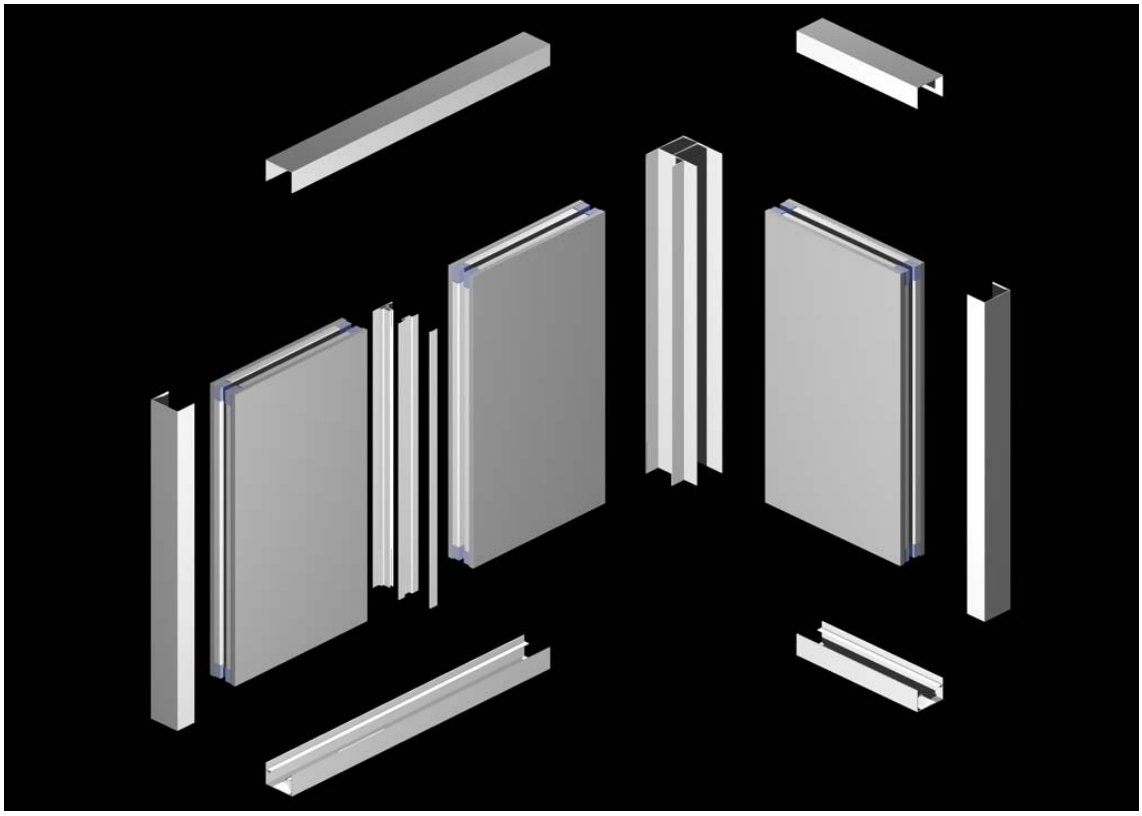

Figure 3: SB50 System Disassemble Drawing (External Corner)

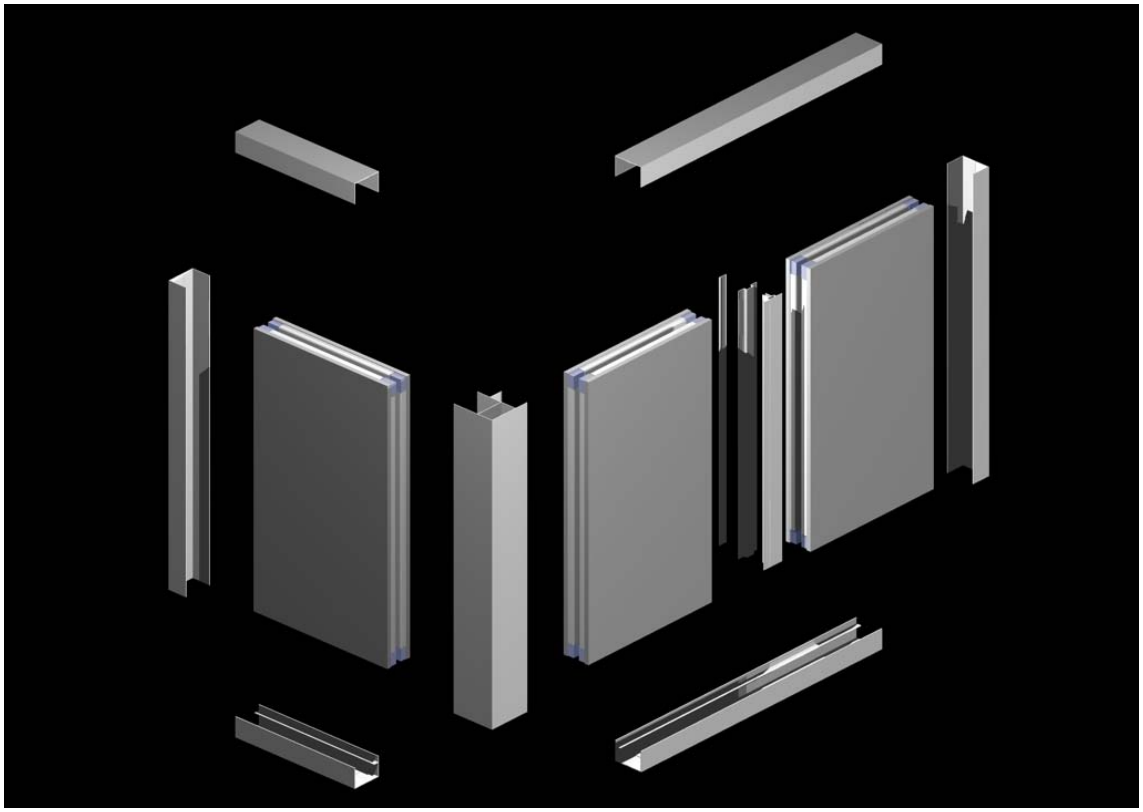

Figure 4: SB50 System Panel Intermediate Batten and Capping Joint

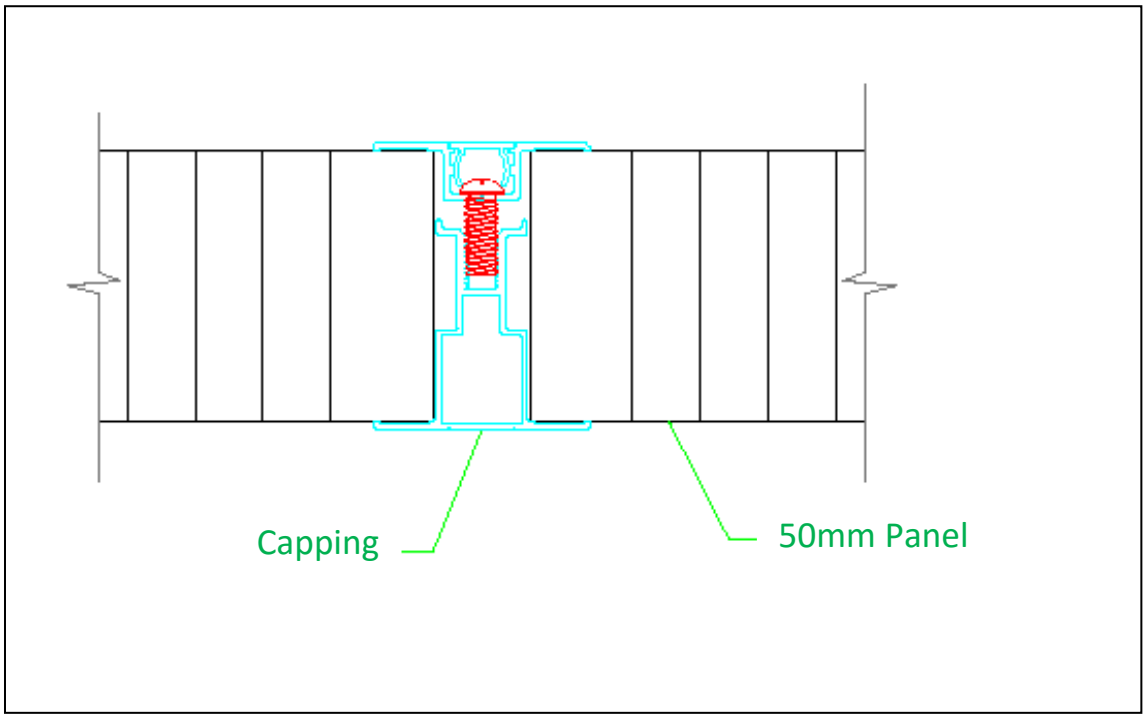

Figure 5: SB50 System Window & Panel Joint

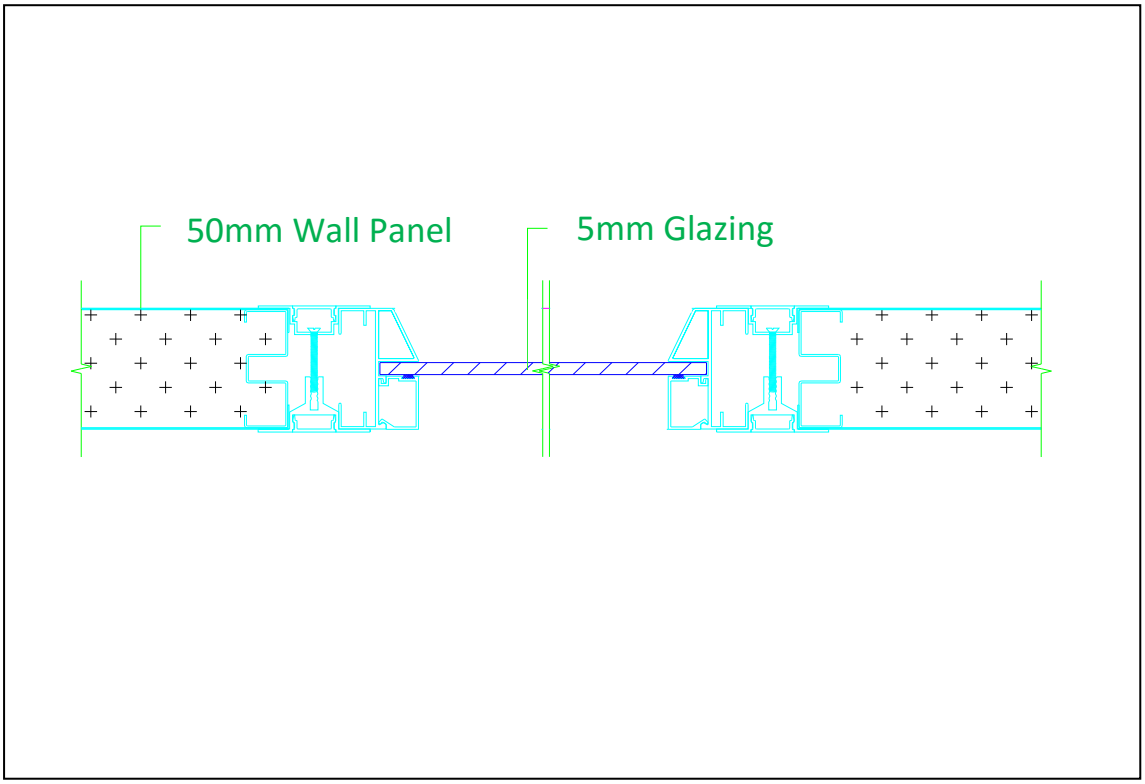

Figure 6: SB50 System Corner & End Post Joint

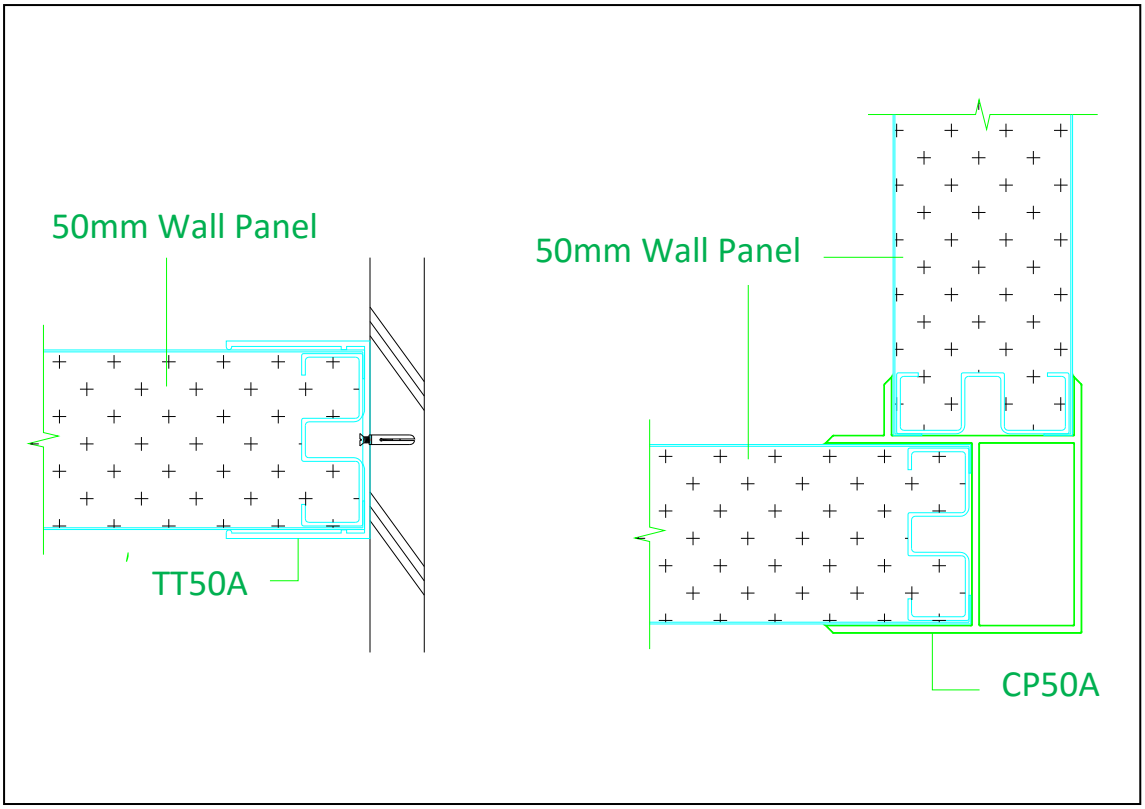

Figure 7: SB50 System Door & Panel Joint

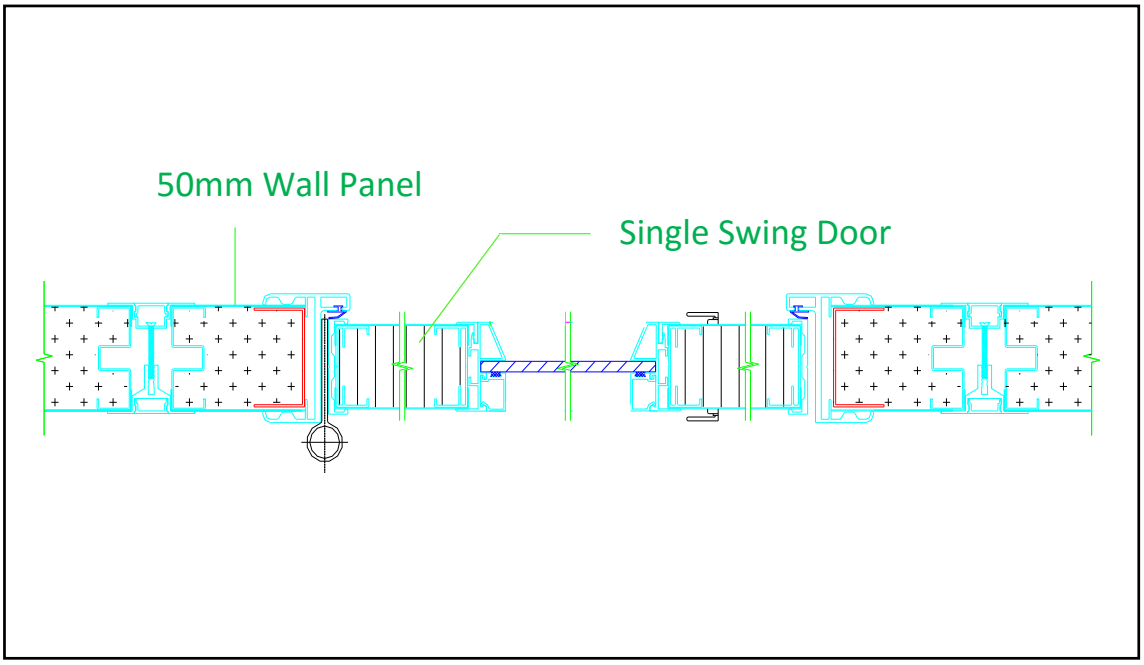

Figure 8: SB50 System Appearance

Figure 9: SB50 System Appearance