

PROJECT OVERVIEW

Project Name:

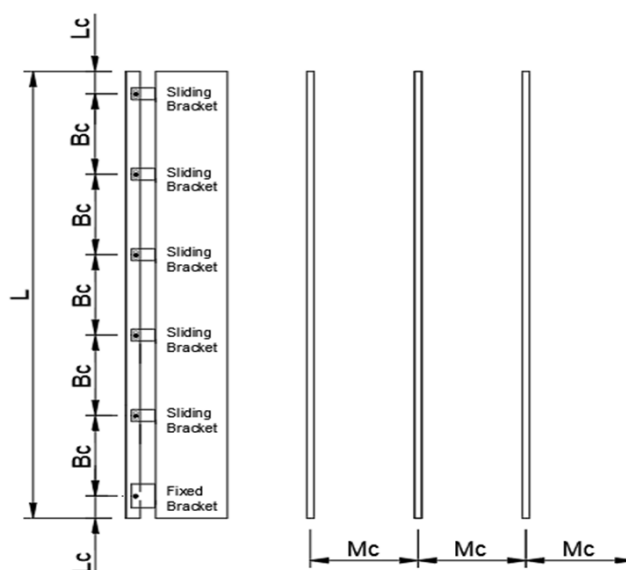
SP: 0
Made by: YT
Date: 09/08/2019
Revised Version R1:0
Checked by: 0

Project Details:

Location: SL4 IYB
Building Height, (m) 18.5
Façade Weight, kg/m^2 10
System: AX1
Profile Length, L (m) 6
Cladding Zone, (mm) 250
Substrate Type: SFS $t \geq 1.2 \text{ mm}$



Project Snapshot:



PROJECT OVERVIEW

Wind Load:

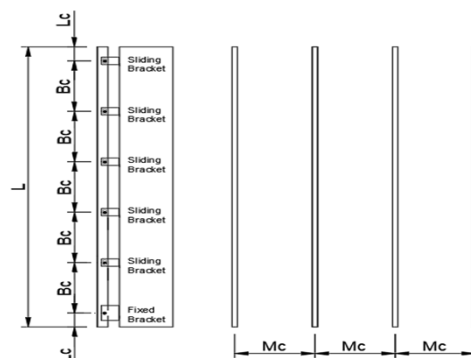
Façade Dead Load (kN/m ²)	0.10
Wind Working Suction (kN/m ²)	0.90
Factored Wind Suction (kN/m ²)	1.35
Wind Working Pressure (kN/m ²)	0.90
Factored Wind Pressure (kN/m ²)	1.35

Rail Details

Bracket system	AXI
Rail reference	AXL-T60X80X2.2
Length of profile, L (m)	6
Bracket Centre, Bc (m)	1.2
Rail Centre, Mc (m)	0.6
Cantilever of Mullion, Lc (m)	0.00
Maximum allowable Lc (m)	0.30

Rail and Bracket Layout

5 Off Sliding Brackets & 1 Off Fixed Bracket



Substrate Fixings:

Substrate	SFS t>=1.2 mm
Tension Pullout (kN)	1.53
Fixing Type	BM-LSHF50

Note: Pull out data provided by

Fixing Spec

Bracket Details:

Fixed Point Brackets:

Component Reference	AXL-HB240D-TP
Adjustment Range (mm)	245-275
Substrate Fixings	BM-LSHF50
Bracket to Rail Fixings	BM-LS25



Note: The project report is based on the fixed bracket is installed at the bottom end or top end of the rail.

Sliding Point Brackets:

Component Reference	AXL-HB240S-TP
Adjustment Range (mm)	245-275
Substrate Fixings	BM-LSHF50
Bracket to Rail Fixings	BM-LS25



PROJECT OVERVIEW

Products and quantities recommended per 6m rail with 0.6m rail centre to cover 3.6 m2

Brackets

Single brackets



Ref: AXL-HB240S-TP
Quantity: 2

Double brackets



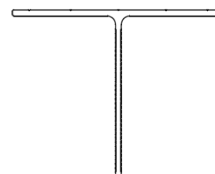
Ref: AXL-HB240D-TP
Quantity: 1

Horizontal Bracket Adaptor

Ref: N/A
Quantity: 0

Rails

T Profile



Ref: AXL-T60X80X2.2-6000
Quantity: 1

L Profile

Ref: N/A
Quantity: 0

Omega/U/Z Profile

Ref: N/A
Quantity: 0

Fixings

Bracket to substrate



Ref: BM-LSHF50
Quantity: 7
Note: Screw length needs to be confirmed

Bracket to rail & Bracket to Bracket



Ref: BM-LS25
Quantity: 8