

Specification - Clearseal II / Clearseal IIs, Laterally Sliding

I General

Supply and installation a lateral electrically operated transparent / transparent and ventilative security shutters Clearseal II / Clearseal II + Clearseal IIs, with all necessary accessories, supporting frames, enclosure and casing, leading edge, receiving channel, electrical motors and switch boxes as required.

The installation shall fully comply with the “Code of Practice for Installation of Electric Operated Sliding Gates, Sliding Glass Doors and Rolling Shutters” published by the Hong Kong Electric and Mechanical Services Department.

II Shutter curtain

- 2.1 Transparent shutter curtain is formed by polycarbonate panel, which is made by hot runner manifold system.
- 2.2 Using CS IIs slats on the top two rows, the shutter is transparent and also ventilative.
- 2.3 Polycarbonate panel is jointed by vertical stainless steel axis through their entire length to form a continuous hinge.
- 2.4 Protective layer is added on both sides of polycarbonate panel, the layer will be removed after all the decoration finished.
- 2.5 The contractor shall provide a relevant test report prepared by a laboratory accredited by the Hong Kong Accreditation Scheme (HOKLAS) to certify that inflammability of PC panel fulfills UL94-Vo and PC panels provides UV resistant and will not discolour or lessen its transparency even in strong sunlight or 60°C spotlight for three years.

III Component

- 3.1 The vertical steel barrel carrying the shutter curtain must be of suitable diameter and strength to resist deflection, and be rush proofed.
- 3.2 The leading edge is made with stainless steel grade 304 / grade 316 with hair line finished / mirror finished.
- 3.3 Receiving channel is made with stainless steel grade 304 / grade 316 with hair line finished / mirror finished.
- 3.4 Enclosure is made of GMS frame and metal sheet cover.

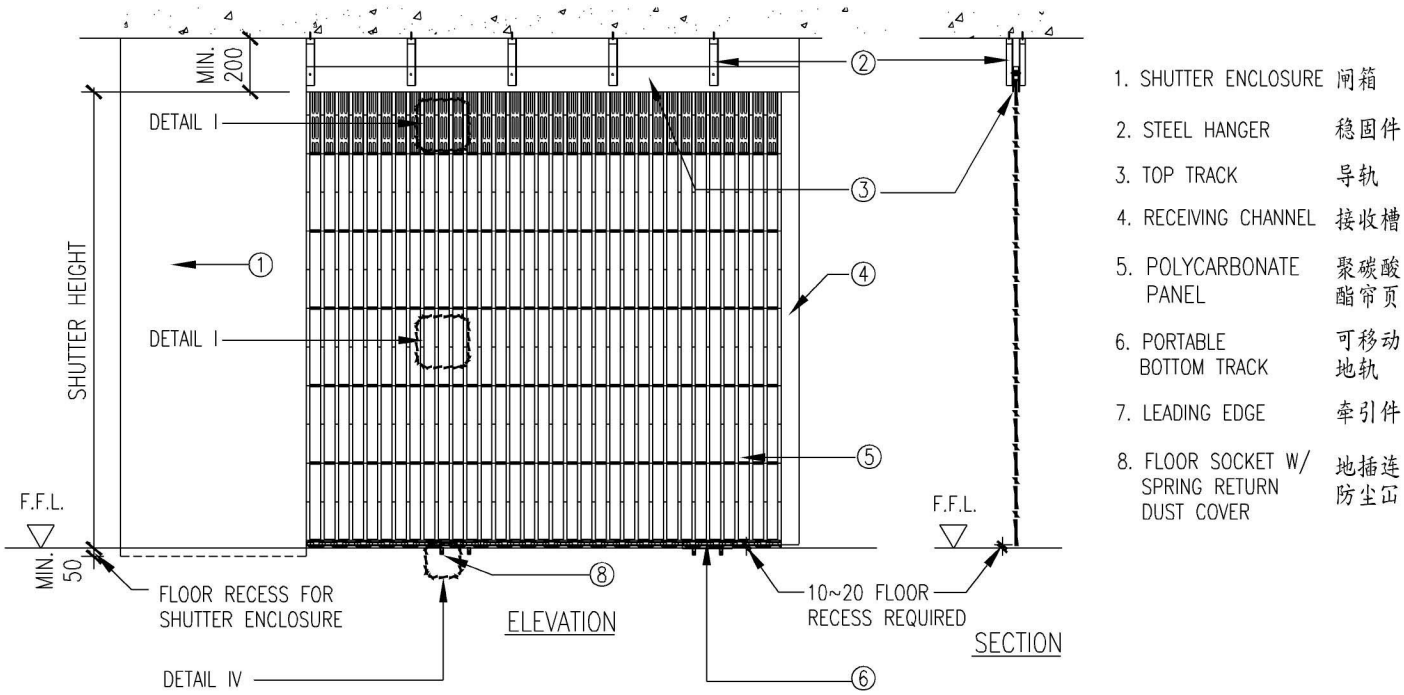
IV Electric operator

- 4.1 Laterally sliding electric operated roller shutter is operated by dual motors.
- 4.2 Dual motors are connected to different power points. When there is power failure or one of the motors is out of order, user can still operate the shutter by another motor.
- 4.3 Provision of two power points by electrical work subcontractor at a location within one meter near the shutter motors.
- 4.4 The motor, the associated control and protective devices must be suitable for operating on local electricity supply.
- 4.5 The motor, driving gears, limited switch and control mechanism must be accessible for inspection and servicing.
- 4.6 Two isolating switch is to be provided to isolate the electricity supply during inspection and servicing.
- 4.7 Auxiliary manually operated gear is to be provided. The changeover should be easily effected without climbing up to the gearing drive mechanism to engage the gears for manual operation.
- 4.8 Electrical installations shall comply with the requirements of I.E.E. regulations for Electrical Equipment of Buildings.

V Manual control device

- 5.1 24V control voltage.
- 5.2 A motor selector should be installed at 1200mm above floor level.
- 5.3 A close/ open / stop control push button switch shall be installed at 1200mm above floor level for each motorized shutter for controlling.
- 5.4 Push button switch is installed in stainless steel boxes with lockset. The box is with grade 304 stainless steel with hairline finished and conceal on wall.
- 5.5 Or a key-switch shall be installed at 1200mm above floor level of each motorized for controlling.
- 5.6 Or a digital-switch shall be installed at 1200mm above floor level of each motorized for controlling.
- 5.7 For digital-switch, user can changes password regularly. They can also record the user's identity, number of times and time of operating the shutter.

横趟式开关秀丽II型及秀丽IIs型卷闸
CS II and CS IIs laterally sliding roller shutter



DIMENSIONS OF ENCLOSURE (L1 & L2)

SHUTTER WIDTH	L1 (mm)	L2 (mm)
5	650	900
10	850	1200
20	1050	1450
30	1250	1550
40	1350	900

