

**GENERAL SPECIFICATION**  
**G-600M GLASS PARTITIONS <<MOTORIZED>>**  
**SECTION 10 22 26**

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**PART 1 – GENERAL**

**1. General description**

- .1 Supply and install operable glass partitions. Provide all labor, materials, tools equipment, and services to operate walls in accordance with provisions of contract documents.
- .2 Submit a complete set of shop drawings showing details of construction and installation before the start of the job. Drawings must be submitted within 60 days of receipt of the signed contract.

**2. Quality insurance**

- .1 Glass shall be tempered per ASTM C1048-92

**3. Product delivery, storage and handling**

- .1 Proper storage of partitions before installation and continued protection during and after installation will be the responsibility of the General Contractor.

**4. Related work by others**

- .1 Paint or otherwise finishing all trim and other materials adjoining and jamb of operable partitions.
- .2 All headers, blockings, support structures, jambs and track enclosures as required in quality assurance
- .3 Pre-punching of support structure in accordance with approved shop drawings.
- .4 Preparation of opening will be by General Contractor. Any deviation of site conditions contrary to approved shop drawings must be called to the attention of the architect
- .5 Electrical and low voltage connections, conduits wirings and breakers.

**5. Warranty**

- .1 The folding partition and installation shall be guaranteed for a period of no less than one (1) year and the track and trolley system for a period of no less than five (5) years against defects in materials and workmanship. This warranty shall be effective upon the date of signature of the certificate relative to the substantial completion of work.

**PART 2 - PRODUCTS**

**2.1 Materials**

- .1 Products to be top supported glass panels **model G-600M** as manufactured by Corflex.
  - .1 Panels shall be nominally 40mm (1 5/8") thick and to 1219mm (48") in width.
  - .2 Panel faces shall be of 12 mm (1/2") tempered glass. All glass edges shall be polished.
  - .3 Glass shall be mechanically attached to top and bottom rails and not rely on friction and/or adhesives.
  - .4 No vertical trims should be visible. Top supporting and bottom horizontal rails shall be anodized aluminum and incorporate brush light seals. They shall have a stainless-steel plate capping both extremities.
  - .5 Top profiles shall have 25mm (1") brush seals that maintains contact with the track.
  - .6 Bottom profiles shall have 19mm (3/4") brush seals that maintain contact with the floor or other surface along the path of the movable wall.
  - .7 Top and bottom profile shall be:  
**Choose option:**
    - Standard anodized aluminium profiles with brush seals.
    - Square anodized aluminium profiles with brush seals.
    - Standard anodized aluminium profiles covered with stainless steel cladding and with brush seals.
  - .8 Each panel contains a foot bolt which is extended into a floor mounted receiver to stabilize and secure the panels in the opening. This foot bolt shall not be visible when the partition is positioned in the opening.
  - .9 A floor recessed dust proof strike made of stainless steel will receive the foot bolt latch.
  - .10 Weight of the panels shall be approximately: 34.2 kg/m<sup>2</sup> (7.0 lb. per Ft<sup>2</sup>)

**2.2 Suspension system**

- .1 Track shall be of clear anodized architectural grade extruded tempered aluminum alloy 6063-T6. Track shall be connected to the structural support by min. 10mm (3/8") threaded steel hanger rods. Guide pins ensure perfect alignment of track joints. Track design shall provide precise alignment at the trolley running surfaces and provide integral support for adjoining ceiling, soffit or plenum sound barrier. A section of track should be removable in order to make it possible for a panel to be removed from the track for later maintenance. Guide rails and or track sweep seals shall not be required.

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- .2 Each panel shall be supported by two 4-wheeled carriers. Wheels to be of hardened steel ball bearings encased with molded polymer tires. A report showing that a reliability test covering a distance of 160 kilometers was completed must be available on request.
- .3 Factory assembled power unit shall be UL listed and include motor, torque limited and brake, one key control station wired in series with two activations push buttons, emergency release, and all necessary equipment for electric operation. The drive unit shall include a variable frequency system featuring a slow start and show stop operation in order to ended life span and minimize maintenance cost. Roller chain drive shall attach to carrier of lead panel. Limit switches shall be provided to prevent over-travel. Motor shall be 60 Hz, and 200-240 volt with adequate horsepower to operate partition effectively.

**2.3 Panel Finish:**

- .1 All aluminum parts shall be:  
**Choose:**
  - Clear anodized.
  - Other color anodised.
  - Powder coated paint select from RAL color range

**2.4 Operation**

- .1 For increased safety, operable partitions are equipped with one key control station wired in series with two activation push buttons, located at each end of the partition ensuring supervised operation of the partition system in order to prevent injuries.
- .2 Motor drive shall automatically seal the partition in the opening.
- .3 Panels are retracted and stored by activating the key switch and two push button controls.

**PART 3 – EXECUTION**

- .1 Installation is to be completed by an authorized factory-trained installer.
- X If concrete anchoring, remove 1.4.3.  
Concrete anchoring suspension and bracing must be done by the authorized factory-trained installer. Concrete anchors must meet seismic requirements.