

**GENERAL SPECIFICATIONS
GLASS OPERABLE PARTITIONS SERIES G500P
PARALLEL PANELS
SECTION 10 22 26**

PART 1 – GENERAL

1.1 General description

- .1 Supply and install operable glass partitions. Provide all labor, materials, tools, equipment and services for glass operable partitions in accordance with provisions of contract documents.
- .2 Complete shop drawings are to be provided prior to fabrication indicating construction and installation details.

1.2 Quality assurance

- .1 Glass shall be tempered as per ASTM C1048-92 or laminated as per ASTM C1172.

1.3 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.

1.4 Related work by others

- .1 Paint or otherwise finishing of all trims and other materials adjoining head and jamb of the partitions.
- .2 All headers, blockings, support structures, jambs, track enclosures, surrounding insulation, and sound baffles meeting quality assurance requirements.
- .3 Pre-punching of support structure in accordance with approved shop drawings.
- .4 Preparation of openings will be by General Contractor. Any deviation of site conditions contrary to approved shop drawings must be called to the attention of the architect.

1.5 Warranty

- .1 The operable partitions 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 covering material and labor 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 Parallel glass panels manually operated, **Series G-500P** as manufactured by Corflex.
 - .1 Panels shall be nominally 52mm (2") thick, full perimeter extruded aluminum frame 54mm (2 1/8") maximum width interlocking construction reinforced by means of concealed steel corner brackets.
 - .2 The glass will be:
Choose:
 - Single tempered glass 6mm (1/4") thick
 - Single tempered glass 12mm (1/2") thick
 - Laminated glass 12mm (1/2") thick
 - Laminated glass 25mm (1") thick
 - .3 Each panel will have a vertical hooking trim on the face of its trail frame section which will grab on to the adjacent panel while moving forward and carry it along in its path. A horizontal guide trim at the bottom of each panel will avoid separation of the panels during wall deployment using an aluminium bracket and Delrin glider. Horizontal seals must not exceed the panel width to prevent damage while handling. Top and bottom seals shall be continuous contact flexible PVC sweeps. The top sweeps maintain contact with the track and the bottom sweeps maintain contact with the floor or other surface along the path of the movable panels. No floor track will be permitted.

2.2 Suspension system

- .1 The suspension system shall be made of multiple rows (2 to 5) of tracks made of clear anodized architectural grade extruded 6063-T6 aluminum alloy. Tracks shall be connected to the structural support by steel threaded hanger rods supplied by the manufacturer. Ceiling trims will be added if required and shall be of anodized aluminum finish. A section of track will be removable on each row of tracks to permit the removal of panels for maintenance purposes.

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- .2 Each panel shall be supported by two trolley assemblies consisting of four (4) steel ball bearing nylon coated wheels. A report showing that a reliability test covering a distance of 160 kilometers was completed must be available on request.

2.3 Finishes

- .1 All aluminum panel components will have:

Choose:

- Clear anodized finish
 Other color anodized finish

- .2 All vinyl and PVC trim will be:

Choose:

- Black
 Grey
 Beige
 White

2.4 Operation

- .1 The panels must be top supported and manually moved. Pulling the lead panel of the wall will automatically engages the other panels, one by one, while moving forward.

- X **Select if required:**

- Partition locking device:
A deadlock with Hook-bolt on the lead panel of the partition will lock it into a wall mounted two-piece aluminum jamb.

PART 3 – EXECUTION AND INSTALLATION

3.1 Installation

- .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.