

**GENERAL SPECIFICATIONS
GLASS OPERABLE PARTITIONS SERIES G-601
OMNIDIRECTIONAL 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.

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 and track enclosures, 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

Omnidirectional glass panels, manually operated, **SERIES G-601** 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/m² (7.0 lb. per Ft²)

2.2 Suspension system

- .1 Track shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6. Track design shall provide integral support for adjoining ceiling, soffit, or plenum sound barrier. Track shall be connected to the structural support by pairs of 10 mm (3/8") diameter threaded steel hanger rods. L or T intersections shall be factory assembled and welded. Built-in ceiling trim shall be of anodized aluminum finish providing enclosure of plenum sound barrier on both sides of track for

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maximum sound control. A section of track will be removable in order to make it possible for a panel to be removed from the track for later maintenance. Each panel shall be supported by two dual horizontal wheel type trolley assemblies. Only the last or before last panel will have a visible locking device installed in the bottom rail.

- .2 Each panel shall be supported by two-wheel counter-rotating horizontal carriers. Wheels to be of precision ground steel ball bearing with heat treated and hardened races 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.

2.3 Finishes

- .1 All aluminum panel components will have a:

Choose:

- Clear anodized finish
- Other color anodized finish
- Powder coated finish from RAL selector

2.4 Operation

- .1 The panels must be top supported and manually moved:

Choose partition closure type;

- Pivot panel ([See option A](#))
- Against the wall ([See option B](#))
- Intermediate door ([See option C](#))

A. Pivot panel

Final partition closure to be by a full height pivot panel. This panel shall have an identical construction as the adjacent panel. A "C" type aluminum handle shall be installed on both sides of the pivot panel.

X **Select additional options for the pivot panel:**

- Key activated footbolt accessible from both sides. A floor recessed dust proof strike made of stainless steel will receive the foot bolt latch.
- Key activated footbolt accessible on one side and a turn button on the other side. A floor recessed dust proof strike made of stainless steel will receive the foot bolt latch.
- The pivot panel will have a floor recessed automatic door closer with a 90 degree hold open feature.

B. Against the wall

Final closure of the partition shall be by the last panel positioned in the opening. The partition will be locked in place by:

Choose:

- Key activated footbolt accessible from both sides. A floor recessed dust proof strike made of stainless steel will receive the foot bolt latch.
- Key activated footbolt accessible on one side and a turn button on the other side. A floor recessed dust proof strike made of stainless steel will receive the foot bolt latch.

C. The intermediate pass door

Must have a maximum width of 813mm (32") full panel height and be free of vertical trims. The top and bottom hinges shall allow a 180-degree rotation. In order to facilitate access to rolling material, no threshold shall be allowed. Two pairs of magnetic hold open bumpers will secure the door while the panel is being moved. Aluminum push/pull hardware must permit a 180-degree door opening. The space left by the opening of an intermediate door will serve as clearance to stow both extremities of the operable partition to the walls.

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PART 3 – EXECUTION AND INSTALLATION

3.1 Installation

- .1 Installation is to be completed by an authorized factory-trained installer.

- X If concrete anchoring
Concrete anchoring suspension and bracing must be done by the authorized factory-trained installer. Concrete anchors must meet seismic requirements (remove 1.4.3, pre-punching of support structure in accordance with approved shop drawings).