

Cipline Demountable Partitions System

- 1 Partition system shall nominally be 102mm thick
- 2 Section profile shall accept solid panels, glazed panels, and door units.
- 3 The Structure (floor and ceiling channels and uprights) shall consist of extruded aluminum profiles of minimum 1.4mm thickness. It shall be adequately sized to resist design forces for partitions in accordance with relevant American or European standards.
- 4 Structure shall carry and support all types of panels with an aluminum clip apparent from the outer side of the partitions. Aluminum clip shall not be more than 32mm wide.
- 5 Partition system shall be fully demountable, removable and/or relocatable. It shall be composed of modular sections, solid and glazed panels, and door units, fastened together or attached to the wall structure by clips, without the use of screws, bolts and similar fasteners.
- 6 Glazed panels and glazed door units shall have single or double panes of 6mm, 8mm or 10mm glass (float, laminated or tempered to the Client's approval). It is preferred that the glazed panels are flush double glazed modules with minimum 6 mm thick toughened glass. Double glazed units shall be constructed such as to allow access to the internal void to retro-fit/service blinds.
- 7 Glass panels fitted into the system shall be backed by hidden PVC embedded into the extruded aluminum uprights. They shall be held in place and fastened to the structure by extruded aluminum clips (not more than 32mm wide), without the use of screws, bolts and similar fasteners. Internal parts of glass panels shall hide all structural elements with a specially designed clip-on extruded aluminum profile.
- 8 Glazed panels shall allow for Integrated Venetian blinds (perforated or non-perforated) swiveling without vertical movement, controlled from the exterior with a manual knob; or, have an optional electrical mechanism for lifting and/or tilting the Venetian blinds.
- 9 Glazed panels shall allow for glass sandblasting or sandblasting effect vinyl film to any design or pattern approved by Client.
- 10 All sandblasting shall be done on one pane of the glass on its internal side.
- 11 Solid Metallic panels shall have double panes of pre-coated steel or aluminum panels (minimum thickness 1mm), interior reinforced with Gypsum board of 13mm thickness. Colors to be approved by Client.
- 12 Solid Wooden panels shall consist of double panes of MDF or chipboard or any similar first grade timber paneling faced with real wood veneer, or melamine resin, or laminated sheet material to the color and texture approved by Client. Contractor should allow for more than one type of finish to be selected at the discretion of the Client.
- 13 Veneered wood boards shall consist of 18mm MDF or chipboard or any similar first grade timber paneling with painted 6mm hardwood lippings, and faced with painted real wood veneer. (Veneer and hardwood lippings subject to Client's approval.)
- 14 Door frames shall be Aluminum or wooden frames.
 - a. Aluminum door frames shall be Designer door frame made of extruded aluminum profiles, with PVC joints for acoustic performance.
 - b. Wooden door frames shall be painted hardwood frames matching door leaf surface, or to the Client's approval. They shall allow for special external designs to the Client's discretion.All door frames shall accept reception of wooden or aluminum glazed leaf.
- 15 Door Leaves shall be wooden, aluminum glazed, or frameless glass, and shall have the following features:
 - a. Wooden door leaves:

Shall be hollow core flush wood door unit thickness 44mm comprising 6mm or 8mm MDF boards on both sides, hardwood lippings, and painted veneer or High Pressure Laminate (HPL). Veneer, HPL, and hardwood to the Client's approval.

Wooden door leaf shall allow for optional glazed internal openings or vision panels available for wood leaves.

Wooden doors shall also allow for special groves or special design as per Client's request.

b. Glazed door leaves:

Shall have an extruded aluminum frame with single or double glazing up to 26mm thick float, tempered or laminated glass (to Client's approval) without Venetian blinds.

Specially constructed glazed doors with Venetian blinds shall also be optional at Client's request.

c. Frameless glass:

10mm tempered clear glass with side or floor hinges, lock, and handle, all from our standard collection (to Client's approval)

NOTE: Ironmongery shall be supplied and mounted by ASNAF Hussein Group at Client's discretion.

16 Integration of electrical network: The system shall be prepared for cable integration. It shall allow for smooth integration of electrical, data and voice services. The system shall admit wiring from both top and bottom and shall have service or technical panel(s) with removable skins to allow the installation and integration of electrical switches, power sockets, voice and data outlets. Technical panel shall accommodate routing of 25mm flexible conduits and back boxes which will require bracket supports.

17 Corner vertical nodes shall be folded, roll-formed or extruded metal sections (steel or aluminum) of minimum 1 mm thickness reinforced with Gypsum board, or Wooden MDF panel with external finish to match solid partition finish. Color and finish as selected by Client. Section shall be designed to accommodate any angular change in wall direction.

18 q. Plinths shall be shall be folded, roll-formed or extruded metal sections (steel or aluminum) of minimum 1 mm thickness reinforced with Gypsum board, or Wooden MDF panel with external finish to match solid partition finish. Color and finish as selected by Client. They shall be recessed or flush (to Client's discretion), easily accessible or completely removable. Also, they shall be adjustable in height, and shall adapt to tolerances in floor and ceiling.

19 Insulation (Acoustics/Fire)

a. Glass part:

Glass panels frames or edgings shall integrate hidden PVC and brushes to assure a good proper insulation and performance, and shall be tightly joined to the wall structure.

b. Metallic part:

It shall contain a 50mm Rock Wool (density 50 kg/m³) to ensure proper insulation in addition to the double panes of metallic panels reinforced with Gypsum boards.

c. Wood part:

It shall contain a 50mm Rock Wool (density 50 kg/m³) that assures insulation in addition to the double panes of wood panels.

*In general, the partitions shall provide privacy to the offices and shall be in accordance with relevant American or European standards. Mineral fiber acoustical insulating pads shall be installed inside solid panels. Sound Reduction Index (SRI) to be not less than 35 db for standard offices and not less than 40 db for group managers and meeting rooms.

** Fire rating for both solid fixed panel and glazed fixed panel and door leaves shall meet or exceed a minimum of 30 minutes where required.

- 20** The system shall be very flexible, and completely removable. It shall be easily relocatable in different places and shapes, and all panels of same dimensions shall be interchangeable. It shall be fixed by pressure between the floor and the ceiling. Consequently, walls can be moved without damage to adjoining carpeting and ceiling tiles.
- 21** It is important that the partition wall system shall cater to the normal practice of hanging pictures, frames, whiteboards and the like without damaging any element in the wall that will require making good upon removal of the hangings.
- 22** The system shall be elegant, shall be flexible in sizes and dimensions and shall offer complete freedom to change office space.
- 23** Deflected, distorted and damaged materials shall be rejected.