

SECTION 10615 MOVABLE PARTITION SYSTEM SPECIFICATION

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. Unitized movable partition system.
 - 2. Aluminium frames and door hardware.
 - 3. Glass and glazing.

- B. Related Sections:
 - 1. Section 08710 – Door Hardware.
 - 2. Section 08800 – Glass and Glazing.
 - 3. Section 09110 – Non-load Bearing Wall Framing.
 - 4. Section 09250 – Gypsum Board.
 - 5. Section 09680 – Carpet.

1.02 REFERENCES

- A. Americans with Disabilities Act (ADA).

- B. ASTM International.
 - 1. ASTM B221: Standard Specification for Aluminium and Aluminium-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - 2. ASTM C1048-04: Standard Specification for Heat-Treated Flat Glass—Kind HS, Kind FT Coated and Uncoated Glass

- C. AWI: Quality Standards.

- D. OSHA: Nationally Recognized Testing Laboratory (NRTL) Program.

- E. UL: Approval Listings.

- F. ANSI: American National Standards Institute
 - 1. ANSI/BIFMA X5.6 American National Standard for Office Furnishings – Panel Systems Tests.

- G. Canadian General Standards Board
 - 1. CAN/CGSB 12.1-M90 Tempered or Laminated Safety Glass

1.03 SYSTEM DESCRIPTION

- A. Unitized Movable Wall Partition System:
1. A 2¼" (57mm) thick, unitized, full-height movable partition system for interior use, designed to permit relocation, reconfiguration, and reuse all parts.
 2. Non-progressive, allowing for removal and reinstallation of panels from either side of partition and at any point in the panel field, without disturbance of adjacent panels.
 3. Erected and disassembled in a manner preventing damage to floors, walls, columns and window mullions.
 4. Permits two-, three-, and four-way panel connections using a common post connector system.
 5. Consists of panels that are interchangeable using the same panel attachment connection system.
 6. Accommodates field-installed power/data junction boxes at the base cavity and field wiring, both vertically at panel connection locations and horizontally in the base cavity.
 7. Sliding glass doors use aluminium frames and door hardware that is attached to the frame or ceiling bulkhead and not the floor. Doorframe units are interchangeable with like-sized panels using the same connection method as panels.
 8. Adjustment shall be capable by way of levelling feet located near each panel bottom edge. System is capable of accommodating floor to ceiling variations of ±25mm from design height, for a total adjustment height allowance of 50mm.
 9. Factory-finished requiring minimal on-site assembly.
 10. Includes sound and light seals at doors, floor channels at hard surfaces, wall channels, ceiling channels, and other interfaces with building surfaces.
 11. Accommodates field-installed power cables and field-installed communications cable.

1.04 SUBMITTALS

- A. Submit under the provisions of Section 01340.
- B. Shop Drawings: Confirm panel layouts shown on the plan and elevation.
- C. Samples: Submit 2" x 4" (51mm x 102mm) aluminium tag with powder-coat color.
- D. Provide Manufacturer's Installation Instructions.

1.05 QUALITY ASSURANCE

- A. Installation will be performed by manufacturer's personnel or by others authorized by partition system manufacturer.

1.06 PROTECT CONDITIONS

- A. Do not begin installation until site conditions provide protection from weather, and environmental conditions within the building are approximately equivalent to those that will exist after installation.

1.07 WARRANTY

- A. Provide manufacturer's warranty against defects in material and workmanship for a period of Five (5) years.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. Contract documents are based on the Corporate Series as manufactured by
PSL Partition Systems, Limited
1647 - 70 Avenue
Edmonton, Alberta
CANADA T6P 1N5
Telephone: 1-780-465-0001
Fax: 1-780-466-7535
E-mail: mail@partitions.com
Website: www.partitions.com
- B. Substitutions: Products by other manufacturers require prior approval under provisions of Section 01600.

2.02 MATERIALS

- A. Aluminium extrusions to be ASTM B221 aluminium alloy suited to the application.
- B. Panel trim to be finished in vinyl laminate, or powder-coated to match wall panel finish.
- C. Base trims to be aluminium, powder-coated to match wall panel finish
- D. Glass to be 1/4" (6mm) clear tempered.

2.03 FABRICATION

A. Panels

1. Aluminium extrusions fastened together forming a rigid frame.
2. One set of two (2) adjustable levelling legs with 2" (50mm) of adjustment per unitized panel.
3. Designed to fit flush and secure to ceiling runner.

B. Ceiling Runner

1. 2" (51mm) extruded aluminium channel to match panel thickness.
2. Designed to accommodate flush-fit of panel system.
3. Powder-coated to match panel system.
4. Designed to accept continuous sound and light seal.
5. Factory-fabricated corners to suit.

C. Wall Starts

1. Extruded aluminium post caps to match panel thickness.
2. Connects to panels using the same panel connection system as the panels.
3. Designed to accept continuous sound and light seal.

D. Base Trim

1. Flush, 4" (100mm) high, extruded aluminium with continuous clip-on design and removable for access to a horizontal raceway.
2. Powder-coated, to match panel system.
3. Factory-fabricated corners to suit.

E. Panel Joint Connectors

1. 1½" (32mm) long extruded aluminium with clamping-action screw fasteners.

F. Panel Joint Covers

1. [Independent flush PVC cover trims with a press-on cam type panel attachment system, vinyl laminated to match panel finish.] [Independent PVC backer with press-on cam type panel attachment system, complete with a snap-on flush aluminium cover trim, powder-coated to match panel finish.]

G. Door and Window Frames

1. Factory-fabricated and assembled aluminium extrusions forming a rigid frame.
2. Powder-coated in standard stocked color.
3. Glazing stop to be system's snap-lock in PVC or Aluminum to suit.

H. Sliding Door Track and Valance

1. 2" (51mm) extruded aluminium channel to match panel thickness.
2. Extruded aluminium track designed for smooth operation.
3. Metal end-plate covers that fasten to valance channel.
4. Powder-coated to match panel system.

I. Glass Sliding Door

1. Factory-fabricated extruded aluminium units prepared for site assembly as required.
2. Powder-coated, in standard stocked color.
3. Glazing stop to be system's snap-lock in Aluminum to suit.

J. Acoustical Insulation

1. Fibreglass sound attenuation in base trim cavity.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that the building conditions are ready to receive partitions and that dimensions are as instructed by the manufacturer.

3.02 INSTALLATION

- A. Install partition system in accordance with manufacturer's instructions.
- B. Install and secure ceiling runner to existing ceiling, ensuring it is continuously level.
- C. Install floor track and secure to carpet with non-marring carpet hook fastener tape.
- D. Set panels into ceiling header and floor track.
- E. Set panels plumb, level and straight, flush to ceiling runner. Adjust as required.
- F. Set doors, windows and panel trims.

3.03 ADJUSTING

- A. Replace damaged components with new to match.
- B. Touch-up minor scratches to match factory finish.
- C. Adjust doors to operate smoothly.

END OF SECTION