

SECTION 10615
MOVABLE PARTITION SYSTEM SPECIFICATION

PART 1 GENERAL

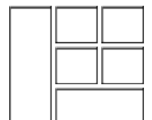
1.01 SUMMARY

- A. Section Includes:
1. Unitized movable partition system.
 2. Wood doors, frames and door hardware.
 3. Glass and glazing.
 4. Power and data systems support panel modules.

- B. Related Sections:
1. Section 08710 – Door Hardware.
 2. Section 09260 – Gypsum Board System.
 3. Section 09510 – Acoustical Ceilings.
 4. Section 09680 – Carpet.
 5. Section 12610 – Open Office Furniture.
 6. Section 16400 – Electrical.
 7. Section 08300 – Doors.

1.02 REFERENCES

- A. Americans with Disabilities Act (ADA).
- B. ASTM International.
1. ASTM B221: Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 2. ASTM C36: Standard Specification for Gypsum Wallboard.
 3. ASTM E84: Standard Test Method for Surface Burning Characteristics of Building Materials.
 4. ASTM E90: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
 5. ASTM E413: Standard Classification for Rating Sound Insulation.
- C. CSA International.
1. CSA/NRTL STD C22.1: Canadian Electrical Code, Part 1.
 2. CSA/NRTL STD C22.2: Canadian Electrical Code, Part 2.
- D. AWI: Quality Standards.
- E. OSHA: Nationally Recognized Testing Laboratory (NRTL) Program.
- F. UL: Approval Listings.
- G. ANSI: American National Standards Institute
1. ANSI/BIFMA X5.6 American National Standard for Office Furnishings – Panel Systems Tests.



1.03 SYSTEM DESCRIPTION

A. Unitized Movable Wall Partition System:

1. A 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 adjacent building surfaces and elements, including floors, wall ceilings, 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. Accommodates factory-fabricated power/data junction boxes, complete with conduit and/or a power cable wiring harness, extending through the top of the panel.
8. Pivoted wood doors utilize metal frames and door hardware that is attached to the frame and not the floor. Door frame units are interchangeable with like-sized panels using the same connection method as panels.
9. Attachment method to the floor and ceiling must be by way of non-marring connectors.
10. Adjustment shall be capable by way of leveling feet located near each panel bottom edge. System is capable of accommodating floor to ceiling variations of $\pm 25\text{mm}$ from design height, for a total adjustment height allowance of 50mm.
11. Factory-finished requiring minimal on-site assembly.
12. Includes sound and light seals at doors, floor channels at hard surfaces, wall channels, ceiling channels, and other interfaces with building surfaces.
13. Accommodates factory installation of power and communication junction boxes within panel faces on one or both sides, and factory-installed conduit from junction boxes to above panel top frame member. Accommodates factory- or field-installed power cables and field-installed communications cable.

B. Performance Requirements:

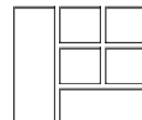
1. Acoustic Attenuation: Overall STC rating of 37 within the speech privacy range when tested in accordance with ASTM E90 using Sound Transmission Test by Two-Room Method and classified in accordance with ASTM E413.
2. Flame Spread Rating: Maximum 25 when tested in accordance with ASTM E84.

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 8-1/2" x 11" panel facing, finished and complete with trim colors.
- 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.
- B. Factory-installed electrical components to meet or exceed CAN/CSA-C22.2 and certified under CSA/NRTL/C.



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

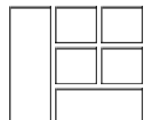
- A. Contract documents are based on the Corporate Series as manufactured by:

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. Gypsum board face panels to be ASTM C36, 1/4" fiberglass reinforced, high density with square-cut edges.
- B. Aluminum extrusions to be ASTM B221 aluminum alloy suited to the application.
- C. Panel surface to be manufacturer's standard scrim-backed vinyl fabric wall covering in color and texture to be selected by client or client representative.
- D. Panel trim to be finished in vinyl laminate to match wall panel vinyl.
- E. Ceiling trims to be PVC in colors selected from the manufacturer's standard color range, or finished in vinyl laminate to match wall panel vinyl.
- F. Base trims to be PVC in colors selected from the manufacturer's standard color range.
- G. Door hardware as specified in Section 08710.
- H. Wall System designed pivot door hardware or as otherwise specified.
- I. Door types to meet or exceed AWI as specified in Section 08300.
- J. Glass to be as specified.
- K. Acoustical Installation to be 1.1 lb/cu.ft. density fiberglass material.



2.03 FABRICATION

A. Panels

1. Aluminum extrusions fastened together forming a rigid frame.
2. Gypsum board bonded to the frame and panel stiffening channels with structural adhesive and protected by metal framing.
3. Vinyl or fabric wall covering laminated using water based adhesive.
4. One set of two (2) adjustable leveling legs with 2" (50mm) of adjustment per unitized panel.
5. Sound attenuation insulation in panel cavity.

B. Ceiling Track

1. Continuous, extruded aluminum designed to accept non-marring ceiling clip attachment.
2. Designed to accept continuous sound and light seal.
3. Designed to accept ceiling trim attachment.

C. Wall Starts

1. Insulated and U-shaped by design to allow for wall length tolerances and overlapping.
2. Finished to match adjacent panel.
3. Contains compressible member to maintain tight fit against adjacent wall condition.

D. Base Trim

1. 4" (100mm) high PVC with continuous clip-on design and removable for access to a horizontal raceway.
2. Factory-fabricated corners to suit.

E. Ceiling Trim

1. 2" inch (50mm) high PVC with continuous clip-on design.
2. Factory-fabricated corners to suit.

F. Panel Connectors

1. Independent PVC press-on cam type panel attachments with snap-on flush cover trim to match panel finish.

G. Door and Window Frames

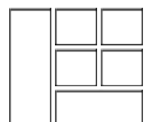
1. Factory-fabricated extruded aluminum units prepared for site assembly as required.
2. Duracron-finished or Powder-coated in standard stocked color.
3. Glazing gasket to be system's snap-lock in PVC to suit.

H. Acoustical Insulation

1. Fiberglass sound attenuation in panel cavity and in base and ceiling trim cavities.

I. Power and Communication Panel System

1. Shall be factory fabricated and include required boxes, receptacles, and conduit as required and in accordance with applicable codes and ordinances.



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 ceiling track continuously and secure to ceiling grid with non-marring attachment clips.
- C. Install floor track and secure to carpet with non-marring carpet hook fastener tape.
- D. Set panels into floor track and ceiling track.
- E. Set panels plumb, level and straight. Adjust as required.
- F. Set doors, windows and panel trims.
- G. Set power and data modules as per provisions of Section 01600 and 16900.

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.

