

# CORPORATE DEMOUNTABLE WALL SYSTEM

## SECTION 10 22 19

### 1 GENERAL

#### 1.1 SECTION INCLUDES:

- A. Demountable wall system.
- B. Doors, frames, and door hardware.
- C. Glass and glazing.

#### 1.2 RELATED SECTIONS

- A. Section 08 13 16 – Aluminum Doors
- B. Section 08 14 16 – Flush Wood Doors
- C. Section 08 14 23.16 – Plastic Laminate-Faced Wood Doors
- D. Section 08 32 00 – Sliding Glass Doors
- E. Section 08 71 00 – Door Hardware
- F. Section 08 80 00 – Glazing
- G. Section 09 29 00 – Gypsum Board
- H. Section 09 51 00 – Acoustical Ceilings
- I. Section 09 68 00 – Carpeting
- J. Section 16 40 00 – Electrical
- K. Section 10 22 19 – Demountable Wall System

#### 1.3 REFERENCED STANDARDS

- A. AA: Aluminum Association.
  - 1. AA DAF-45 (2003): Designation System for Aluminum Finishes.
- B. AAMA: American Architectural Manufacturers Association.
  - 1. AAMA 611-98: Voluntary Specification for Anodized Architectural Aluminum
  - 2. AAMA 2603-02 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.
- C. Americans with Disabilities Act (ADA).
- D. ANSI: American National Standards Institute
  - 1. ANSI/BIFMA X5.6L: American National Standard for Office Furnishings – Panel Systems Tests.
- E. ASTM International.
  - 1. ASTM B221-08: Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
  - 2. ASTM E90-09: Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
  - 3. ASTM E413-04: Classification for Rating Sound Insulation.
- F. AWI: Quality Standards.
- G. OSHA: Nationally Recognized Testing Laboratory (NRTL) Program.
- H. UL: Approval Listings.

#### 1.4 SYSTEM DESCRIPTION

##### A. Demountable Wall System:

1. A demountable, full-height wall system for interior use, designed to permit relocation, reconfiguration, and reuse of 100% of components used.
2. Non-progressive, allowing for removal and reinstallation of panels from either side of wall 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. Glazing system capable of 6mm or 10mm clear tempered glass or laminated glass for Unitized or 10mm clear tempered butt joint.
7. Solid wall system 2 1/4" thick with a standard STC of 37
8. 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.
9. Wall system to be able to accommodate the following door types:
10. Solid core wood, for both swing and sliding applications
11. Aluminum framed glass, for both swing and sliding applications
12. Frameless glass, for sliding door applications.
13. Attachment method to the floor and ceiling must be by way of non-marring connectors.
14. 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  $\pm 25\text{mm}$  ( $\pm 1"$ ) from design height, for a total adjustment height allowance of 50mm (2").
15. Factory-finished requiring minimal on-site assembly.
16. Includes sound and light seals at doors, floor channels at hard surfaces, wall channels, ceiling channels, and other interfaces with building surfaces.

#### 1.5 SUBMITTALS

- A. Submit under the provisions of Section 01 33 00.
- B. Shop Drawings: Confirm panel layouts shown on the plan and elevation.
- C. Product Data: Manufacturer's fabrication and installation instructions.
- D. Selection Samples: Provide 2" x 4" (51mm x 102mm) aluminum chips in full range manufacturer's standard finishes for Architect's color selection.
- E. Provide Manufacturer's Installation Instructions.

#### 1.6 QUALITY ASSURANCE

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

## 1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not begin installation until site conditions provide protection from weather and outside elements, and environmental conditions within the building are approximately equivalent to those that will exist after the installation.
- B. Maintain temperature and humidity in areas of installation within reasonable limits, as close as possible to final occupancy standards. If necessary, provide artificial heating, cooling, and ventilation to maintain required environmental conditions.

## 1.8 WARRANTY

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

## 2 PRODUCTS

### 2.1 MANUFACTURER

- A. Contract documents are based on the Corporate Series as manufactured by PSL Partition Systems Ltd.

#### **Edmonton**

1647 - 70 Avenue  
Edmonton, Alberta T6P 1P5  
Phone: 1-780-465-9327  
Fax: 1-780-465-2195  
E-mail: edmonton@partitions.com

#### **Calgary**

#60 – 4797 22<sup>nd</sup> Street  
Calgary, Alberta T2E 6Y4  
Phone: 1-403-272-7600  
Fax: 1-403-272-6490  
E-mail: calgary@partitions.com

#### **Vancouver**

1610 Derwent Way  
Delta, BC V3M 6W1  
Phone: 1-604-521-8923  
E-mail: vancouver@partitions.com

#### **National**

Steve Nasholm  
Phone: 780-701-0370  
E-mail: snasholm@partitions.com

Website: [www.partitions.com](http://www.partitions.com)

- B. Substitutions: Products by other manufacturers require prior approval under provisions of Section 01 60 00.

### 2.2 COMPONENTS / MATERIALS

- A. ALUMINUM EXTRUSIONS: Aluminum Association alloy 6063 (ASTM B221) aluminum alloy suited to the application.
- B. PANEL TRIM: Finished in vinyl laminate to match wall panel vinyl. Anodized and powder coated aluminum also available.
- C. CEILING TRIM: Aluminum or PVC in colors selected from the manufacturer's standard color range or finished in vinyl laminate to match wall panel vinyl.

- D. BASE TRIM: Aluminum or PVC in colors selected from the manufacturer's standard color range.
- E. DOOR HARDWARE: As specified in Section 08 71 00.
- F. PIVOT DOOR HARDWARE: Wall System designed or as otherwise specified.
- G. Door types to meet or exceed AWI as specified in Section 08 30 00.
- H. GLASS: To be as specified.
- I. ACOUSTICAL INSULATION: 1.1 lb/cu.ft. density fiberglass material.

## 2.3 FABRICATION

### A. 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 membrane to maintain tight fit against adjacent wall condition.

### B. BASE TRIMS

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

### C. CEILING TRIM

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

### D. PANEL CONNECTORS

1. Aluminum spacer with clamping screw type panel attachments with Snap-On flush cover trim to match panel finish.

### E. DOOR AND WINDOW FRAMES

1. Factory-fabricated extruded aluminum units prepared for site assembly as required.
2. Powder-coated or Clear-anodized in standard stocked color.
3. Glass stop to be system's snap-lock in aluminum with applied glazing tape.
4. Aluminum extrusions fastened together forming a rigid frame.
5. One set of two (2) adjustable leveling legs with 2" (50mm) of adjustment per unitized panel.

### F. ACOUSTICAL INSULATION

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

## 2.4 FINISHES

- ### A. Factory finished extruded frame components such that any part exposed to view upon completion of installation will be uniform in finish and color.

1. Clear Anodized Coating:

- a. Architectural Class II: Comply with AAMA 611-02, AA-M12C22A31, 10 microns (0.4 mil) thickness minimum.
- B. Powder Coated Finished:
- 1. Standard Powder Coated Finishes
    - a. Black PSL Standard Selection
    - b. White PSL Standard Selection
    - c. Other Colors available upon request

### 3 EXECUTION

#### 3.1 EXAMINATION

- A. Examine project conditions and take site measurements of existing building to verify that the work of this section may commence properly. Do not proceed with installation until unsatisfactory conditions have been corrected.

#### 3.2 INSTALLATION

- A. Install wall system in accordance with manufacturer's instructions.
- B. Install floor and ceiling track as per manufacturer's instructions.
- C. Set panels into floor track and ceiling track.
- D. Set panels plumb, level and straight. Adjust as required.
- E. Set doors, windows, and panel trims.

#### 3.3 ADJUSTING AND CLEANING

- A. Clean exposed frames promptly after installation, using cleaning methods recommended by frame manufacturer.
- B. Touch up marred areas so that touch-up is not visible from a distance of 4 feet. Remove and replace frames that cannot be satisfactorily adjusted.
- C. Replace damaged components with new to match.
- D. Adjust doors to operate smoothly.

#### 3.4 PROTECTION

- A. Provide protection required to assure that frames will be without damage or deterioration upon substantial completion of the project.