SLIDING DOORS

SECTION 08 32 00
SLIDING GLASS DOORS

PART 1 GENERAL

1.1 SECTION INCLUDES:
- A. Sliding door and valance track system

1.2 RELATED SECTIONS
- A. Section 08 41 13 – Aluminum Framed Entrances and Storefronts
- B. Section 08 71 00 – Door Hardware
- C. Section 08 80 00 –Glazing
- D. Section 09 22 16 – Non-structural Metal Framing
- E. Section 09 29 00 – Gypsum Board
- F. Section 10 22 19 – Demountable Movable Partitions

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. 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.
- E. AWI: Quality Standards.
- F. OSHA: Nationally Recognized Testing Laboratory (NRTL) Program.
- G. UL: Approval Listings.

1.4 SYSTEM DESCRIPTION
- A. Sliding Door System:
  1. Erected and disassembled in a manner preventing damage to floors, walls, columns and window mullions.
  2. Sliding glass doors use aluminum frames and door hardware that is attached to the frame or ceiling bulkhead and not the floor.

1.5 SUBMITTALS
- A. Submit under the provisions of Section 01 33 00.
- B. Product Data: Manufacturer's fabrication and installation instructions.
- C. Shop Drawings: Confirm layouts shown on the plan and elevation.

D. Selection Samples: Provide 2” x 4” (51mm x 102mm) aluminum chips showing full range of manufacturer’s standard finishes for Architect’s colour 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 partition 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.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. **PSL Partition Systems Ltd.**

Edmonton
1220 - 70 Avenue
Edmonton, Alberta T6P 1P5
Phone: 1-780-465-9327
Fax: 1-780-465-2195
E-mail: edmonton@partitions.com

Calgary
950 55 Ave N.E.
Calgary, Alberta T2E 6Y4
Phone: 1-403-272-7600
Fax: 1-403-272-6490
E-mail: calgary@partitions.com

Vancouver
108, 6871 Elmbridge Way
Richmond, BC V7C 5A4
Phone: 1-604-270-8926
Fax: 1-604-270-2911
E-mail: vancouver@partitions.com

Winnipeg
Phone: 1-204-786-3122
Fax: 1-204-786-3126
E-mail: nbruce@partitions.com

Website: www.partitions.com

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

2.2. COMPONENTS / MATERIALS

A. SLIDING DOORS: Door widths and heights to be specified. Trackless threshold: system is surface mounted to wall system with a concealed bottom guide roller at post locations. Check drawing for lockable doors.

1. Aluminum framed: 44.5 mm (1-3/4”) thick aluminum-framed glazed sliding door, clear anodic finish.

2. Wood: 44.5 mm (1-3/4”) thick architectural grade wood door with or without glass insert
3. Frameless glass: 10 mm (3/8”) or 12 mm (1/2”) tempered glass; aluminum fascia trim and floor guide with specified finish.

B. VALANCE TRACK: 50.8mm (2”) wide x 50.8 (2”) deep, Aluminum Association alloy 6063-T54 (ASTM B221) extruded aluminum overhead. Valance shall be mounted on a horizontal member capable of supporting a 75 kg (165 lb) minimum dynamic vertical load.

2.3. FABRICATION

A. Sliding Door Track and Valance
1. 2” (51mm) extruded aluminum channel to match panel thickness
2. Extruded aluminum track designed for smooth operation
3. Metal end-plate covers that fasten to valance channel
4. Finish to match panel system

B. Glass Sliding Door
1. Factory-fabricated extruded aluminum units prepared for site assembly as required.
2. Powder-coated, in standard stocked color.
3. Glazing stop to be snap-locking in aluminum to suit.

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. Painted finish:
   i. Standard Architectural Quality: Comply with AAMA 2603-02.
2. Clear Anodized Coating:
   i. Architectural Class II: Comply with AAMA 611-02, AA-M12C22A31, 10 microns (0.4 mil) thickness minimum.
3. Colour Anodized Coatings:
   i. Architectural Class I: Comply with AAMA 611-02, AA-M12C22A44, 18 microns (0.7 mil) thickness minimum (Optional).
      1. Black
      2. Light Bronze
      3. Medium Bronze
      4. Dark Bronze
      5. Champagne

PART 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 sliding door system in accordance with manufacturer’s instructions.

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.