All Aluminum Framing System

PART 1 - GENERAL
1.1 Summary
   A. SECTION INCLUDES
      1. Aluminum framing system for sliding doors and glazed partition walls.
   
   B. RELATED SECTIONS
      1. Section 08110 – Metal Door and Frames
      2. Section 08210 – Wood Doors
      3. Section 08260 – Sliding Glass Doors
      4. Section 08710 – Door Hardware
      5. Section 08800 – Glazing
      6. Section 09111 – Non-Load Bearing Wall Framing
      7. Section 09250 – Gypsum Board
      8. Section 09307 – Wall Tile

1.2 REFERENCES
   A. Aluminum Association Designation System for Aluminum Finishes (AA)
   
   B. AA 6063, Specification for Aluminum Association Alloy for Extrusions.
   
   C. AAMA 611-98, American Architectural Manufacturer’s Association: Voluntary Specification for Anodized Architectural Aluminum

1.3 SUBMITTALS
   A. **Product Data**: Submit manufacture’s printed product literature, specifications and datasheets in accordance with Section 01330 – Submittal Procedures.
      1. Include published details for each type of Frame, illustrating profiles, dimensions and fastenings, methods of anchorage, assembly, and other pertinent information.
   
   B. **Shop Drawings**: Submit shop drawings in accordance with Section 01330 – Submittal Procedures.
      1. Indicate each type of frame, extrusion profiles, section and hardware reinforcement, types and locations of anchorage and fasteners, finishes and location of manufactures nameplates.
      2. Indicate assembly details and dimensions of components, method of assembly, thickness of reinforcement and other pertinent information.
   
   C. **Samples**: Submit samples in accordance with Section 01330 – Submittal Procedures for finishes, colours and textures.
1.4 QUALITY ASSURANCE
A. Qualifications:
   1. Installer Qualifications: Installer experienced (as determined by Partition Systems) to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to product manufacturer.
   
   2. Manufacturer Qualifications: Manufacturer capable of providing field service representation during construction, approving acceptable installer, and approving application method.

1.5 MAINTENANCE
A. Extra Materials: Provide extra materials in accordance to Section 01780 – Closeouts, Submittals, Maintenance Materials. Deliver, to Owner, extra trim materials from same production run as products installed. Package products with protective covering and identify manufacturer, specification section, component, type, location, and date with descriptive labels.

PART 2 - PRODUCT
2.1 MANUFACTURER
   PSL Partition Systems Ltd.
   1220 – 70 Avenue
   Edmonton, Alberta
   T6P 1P5
   Phone: 780-465-0001
   Fax: 780-465-2195

Contacts:
   Brian Groves bgroves@partitions.com
   Mark Middleton mmiddleton@partitions.com

A. Door frames, glazing frames, and all track and trim components to be supplied by single manufacturer.

2.2 COMPONENTS
A. TOP TRACK: 26 gauge steel with hemmed legs designed to accept independent snap-on and off partition finish trim from either wall side.

B. RETAINER CLIPS, FASTENERS AND CONNECTORS: As recommended by Partition manufacturer.
C. DOOR FRAMES: All Aluminum Door Frame Kit consisting of Aluminum Association alloy AA 6063-T5, 0.060” minimum thickness extruded aluminum profiles with standard 10 microns (0.0004”) clear anodic finish, to accept 45 mm (1-3/4”) thick door.

D. GLAZING FRAMES: Aluminum Association alloy AA 6063-T5, 0.060” minimum thickness extruded aluminum profiles with standard 10 microns (0.0004”) clear anodic finish; PVC glass stops and glazing beads designed to accept 6 mm (1/4”) glass.

E. SLIDING DOORS: 44.5 mm (1-3/4”) thick aluminum-framed glazed sliding door, clear anodic finish. Door width and heights to be specified. Trackless threshold: system is surfaced mounted to wall system with a concealed guide roller at post locations. Check drawing for lockable doors.

F. VALANCE TRACK: 50.8mm (2”) wide x 50.8 (2”) deep, Aluminum Association alloy AA 6063-T54 extruded aluminum overhead track with standard 10 microns (0.0004”) clear anodic finish. Valance shall be mounted on a horizontal member capable of supporting a 75 kg (165 lb) minimum dynamic load.

G. DOOR STOP: size 12.7 mm x 4.8 mm (1/2” x 3/16”) integral aluminum stop.

H. STRIKE PLATE: ASA strike plate with dust box, size 123.8 mm (4-7/8”). Special cut outs for electric strike available on request.

I. HINGES: Factory installed and plain bearing hinges, C-15 satin finish, size 114.3 mm x 114.3 mm (4-1/2” x 4-1/2”).

J. REINFORCEMENT: Factory installed aluminum backer plates at all hinge and strike locations. Hinges shall be mounted with tech screws onto aluminum bracket plates, for structural reinforcements.

K. DOOR SEAL: Factory installed mohair mute.

L. BATTEN TRIM: Snap-on aluminum trim complete with patented dual durometre batten saver Clip, installed between aluminum covers and aluminum frames, to eliminate rattles and facilitate easy installation and removal of covers without destruction. Clear anodic finish, size 44.4 mm (1-3/4”).

M. PARTITION BASE: Aluminum snap-on base on all glazed partition walls, clear anodic finish, size 101.6 mm (4”).

N. CORNER POSTS: Extruded aluminum square tubes, clear anodic finish, size 114 mm x 114 mm (4-1/2” x 4-1/2”).
O. BASE TRACK: Light gauge steel channel, size 64 mm (2-1/2”) wide x 51 mm (2”) deep.

P. MISCELLANEOUS ACCESSORIES: Miscellaneous trims, rail caps, fasteners, clips and other accessories for installation as recommended by partition manufacturer.

2.3 FABRICATION
A. Joints: Hairline Butt joint resulting in a flush vertical plane throughout.

B. Other trim: All horizontal ceiling trims and glazing frame trims to be 1-3/4” wide aluminum batten covers.

C. All trims on glazing frames shall be mitered to form 90 degrees.

2.4 FINISHES
A. All exposed aluminum components to be clear anodized product to AA-M12C22A31, AAMA 611 - Architectural Class II Clear Anodic Coating.

PART 3 - EXECUTION

3.1 MANUFACTURER’S INSTRUCTIONS
A. Compliance: Comply with manufacturers written recommendations or specifications, including product technical bulletins, handling, storage, and installation instructions.

3.2 PREPARATIONS
A. Verify opening dimensions on site.

B. Ensure openings are ready to accept door frames and actually match accepted shop drawings.

3.3 INSTALLATION
A. Install door frames and hardware in accordance with reviewed shop drawings, door and hardware schedule.

END OF SECTION