CLASSIC STICK-BUILT GLAZING & DOORS

SECTION 08 11 16

1. GENERAL

1.1 SECTION INCLUDES:
- A. Aluminum door frames for interior use.
- B. Aluminum window frames for interior use.

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 13 – Sliding Aluminum-Framed 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 10 22 19 – Demountable Wall Systems

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. Stick-Built, Component Based, Interior Aluminum glass and door framing System.
- B. Aluminum frames are attached to the T-bar ceiling or drywall bulkhead. All weight of the wall system is floor supported. System can accommodate a partial height application.

C. Erected and disassembled in a manner that prevents damage to adjacent building surfaces and elements, including floors, wall ceilings, columns or window mullions.
D. Permits two-, three-, and four-way panel connections.
E. Classic Series able to accommodate the following door types:
    1. Solid core wood, for both swing and sliding applications
    2. Aluminum framed glass, for both swing and sliding applications
    3. Frameless glass, for sliding door applications

1.5 SUBMITTALS
A. Submit under provisions of Section 01 33 00
B. Product Data: Manufacturer's fabrication and installation instructions.
C. Shop Drawings.
    1. Provide standard installation details for typical architectural conditions.
    2. Provide details on connections to special construction and other custom features
D. Selection Samples: available upon request 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 other certified installers authorized by partition system manufacturer.
B. Manufacturer: Provide aluminum frames manufactured by a single firm specializing in production of this type of work for a minimum of five years.

1.7 DELIVERY, STORAGE AND HANDLING
A. Deliver frames packaged to provide protection during transit and storage at project
B. Inspect frames upon delivery for damage.
    1. Repair minor damage to polyester finish by using air drying enamel of matching colour.
    2. Replace frames that cannot be satisfactorily repaired.
C. Store frames at project site under cover and as near as possible to final installation location. Do not use covering material that will cause discoloration of aluminum finish.

1.8 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.

2. PRODUCTS

2.1 MANUFACTURER
A. Contract documents are based on the Classic Stick-Built Wall System as manufactured by PSL Partition Systems Ltd.

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

#60 – 4797 22nd 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

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. RETAINER CLIPS, FASTENERS AND CONNECTORS: As recommended by partition manufacturer.
B. DOOR FRAMES: All Aluminum door frames with integrated doorstop consisting of Aluminum Association alloy 6063-T5 (ASTM B221) extrusions with 0.060” minimum thickness, to accept 45 mm (1-3/4”) minimum thick door.
C. GLAZING FRAMES: Association alloy 6063-T5 (ASTM B221) extrusions with 0.060” minimum thickness; PVC glass stops, and glazing beads designed to accept 6mm clear tempered glass or 10mm glass using a silicone perimeter bead for installation
D. DOORSTOP: Size 12.7 mm x 4.8 mm (1/2” x 3/16”) integral aluminum stop.
E. STRIKE PLATE: ASA strike plate with dust box, size 123.8 mm (4-7/8”). Special cut outs for electric strike available on request.
F. HINGES: Factory installed ball-bearing hinges, C-15, C26D or powder coated finish, size 114.3 mm x 114.3 mm (4-1/2” x 4-1/2”).
G. REINFORCEMENT: Factory installed steel backer plates at all hinge and strike locations. Hinges shall be mounted with self-taping screws onto steel backer plates, for structural reinforcements.
H. DOOR SEAL: Factory installed mohair mute.
I. BATTEN TRIM:
    1. Narrow aluminum Snap-on trim complete with patented dual durometer Batten Saver Clip, installed between aluminum covers and aluminum frames, to eliminate rattles and facilitate easy installation and removal of covers without destruction, size 31.8 mm (1-1/4”)
    2. Wide aluminum Snap-on trim complete with patented dual durometer Batten Saver Clip, installed between aluminum covers and aluminum frames, to eliminate rattles and facilitate easy installation and removal of covers without destruction, size 44.4 mm (1-3/4”).
J. BASE CHOICES
    1. Standard Base: 101.6 mm (4”) aluminum or PVC Snap-on base on all glazed partition walls.

2. 1-3/4” Narrow Base: 45 mm (1-3/4”) snap on aluminum batten cover on all glazed partition walls.
3. Thinline Base: 57mm (2-3/4”) or 127mm (5”) high by 45mm (1-3/4”) wide Thinline base applied directly to finished floor.

2.3 EXTRUDED ALUMINUM FRAMES

A. Classic Series Door & Window Framing System: Provide frames with the following characteristics:
   1. Integrated aluminum doorstop
   2. Rectilinear design
   3. 1¾ inch face profile
   4. Trim: 1¼” Narrow or 1¾” wide Aluminum covers
   5. Other Trim options as selected from manufacturer’s catalogue
   6. Throat sizes 3 1/2", 3 3/4", 4 5/8”, 4 7/8”, 6 1/4", 7 1/4"

2.4 FABRICATION

A. Butt-hinged doors and door frames
   1. Pre-machine jambs and prepared for hardware, with concealed reinforcement plates crimped in place
   2. Manufactured to receive 4 ½” x 4 ½” square hinges
   3. Manufactured to receive standard 4 7/8” A.S.A. strike plate
   4. Supplied with 1/8” thick steel strike and hinge backer plate, pre-mounted on jambs
B. Fabricate all components to allow secure installation without exposed fasteners.

2.5 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 (0.4mil) thickness minimum
   2. Powder Coated Finishes:
      a. Standard PSL Powder Coat Finishes
      b. Powder Coat Black
      c. Powder Coat Pearl
      d. Powder Coat Graphite
      e. Custom Colours 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.
B. Verify wall thickness does not exceed standard tolerances allowed by specified frame throat sizes.

3.2 INSTALLATION

A. Comply with frame manufacturer's printed installation instructions and approved shop drawings. Strictly adhere to maintaining specified wall thickness to ensure dimension does not exceed frame throat size specified.
B. Install frames plumb and square, securely anchored to substrates with fasteners recommended by frame manufacturer
C. Install partition components in the longest possible lengths, with no component less than 4 feet. Fasten to suspended ceiling grid at 48 inches on center maximum, using fasteners approved by frame manufacturer.
    1. Use concealed installation clips to assure that splices and connections are tightly butted and properly aligned.
    2. Secure clips to main structural components and not to snap-in or trim members.
    3. Do not use screws or other fasteners that will be exposed to view when installation is complete.
D. Acoustically treated partitions: Ensure that closed cell foam tape at partition perimeter is continuous and under compression when installed. Ensure that all potential sound transmission leaks are completely sealed.

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.
C. Remove and replace frames that cannot be satisfactorily adjusted.
D. Replace damaged components with new to match.
E. Adjust doors to operate smoothly.

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