



SECTION 10 22 19

SITE-ASSEMBLED INTERIOR DEMOUNTABLE GLAZED PARTITIONS AND GATES

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

1.2 DESCRIPTION OF WORK

- A. Work Included: Provide labor, materials, and equipment necessary to complete the work of this Section, including but not limited to the following:
 - 1. Interior demountable glazed partitions and gates, demountable or permanent, and assembled on site.

1.3 SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For demountable partitions.
 - 1. Include plans, elevations, and sections; attachment details at floors, and method of erection and disassembly.
- C. Samples for Verification: For each type of the following products:
 - 1. Face-Panel Finish: Manufacturer's standard-size unit, but not less than 6 inches square.
 - 2. Glazing: Manufacturer's standard-size unit, but not less than 3 inches square.
 - 3. Hardware and Accessories: Whole units.

Editor's Note: Delete "Mill Certificates" Paragraph unless increased corrosion resistance of Type 316 stainless steel is required.

- D. Mill Certificates: Signed by manufacturers of stainless steel products, certifying that products furnished comply with requirements.

Editor's Note: Retain "Welding certificates" Paragraph below if retaining "Welding Qualifications" Paragraph in "Quality Assurance" Article.

- E. Welding certificates.
- F. Maintenance Data: For demountable partitions to include in maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:

1. AWS D1.6/D1.6M, "Structural Welding Code - Stainless Steel."

Editor's Note: Delete "Mockups" paragraph if not required.

- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
 1. Build mockups for demountable partitions including accessories.
 - a. Size: [] inches by full height.
 - b. Each type of exposed construction.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Designer specifically approves such deviations in writing.
 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- C. Preinstallation Conference: Conduct conference at Project site to comply with requirements in Division 01.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store and handle posts, glazing and gate hardware per manufacturer's written instructions and recommendations.
 1. Protect from weather, and active construction.

1.6 FIELD CONDITIONS

Editor's Note: Generally, retain this article; revise to suit Project.

- A. Finished Spaces: Do not deliver or install demountable partitions until finishes in spaces to receive them are complete, including suspended ceilings, floors, carpeting, and painting.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
 1. Lavi Industries.
 2. [].
 3. [].
- B. Basis of Design: Architectural Curtain Walls and Gates as manufactured by Lavi Industries, 27810 Avenue Hopkins, Valencia, CA 91355-3409; Phone: 888-285-8605; Email: sales@lavi.com.
 1. Substitution Requests: **[As specified by Division 01 of the contract documents] [No substitutions will be accepted].**
- C. PERFORMANCE REQUIREMENTS

- D. General: In engineering partitions to withstand implied loads, determine allowable design working stresses of partition materials based on the following:
1. Stainless Steel: 60 percent of minimum yield strength.
 2. Glass Infill Panels: 25 percent of mean modulus of rupture (50 percent probability of breakage), as listed in "Mechanical Properties" in AAMA's Aluminum Curtain Wall Series No. 12, "Structural Properties of Glass."
 - a. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
 - b. Infill load and other loads need not be assumed to act concurrently.

2.2 SITE-ASSEMBLED INTERIOR DEMOUNTABLE GLAZED PARTITIONS AND GATES

- A. Modular, stainless steel and glass or plexiglass demountable partitions and gates for security, access control, and pedestrian flow.
- B. Posts: 2 x 2 inch Grade MT 316L stainless steel tube per ASTM A554. Construction: Welded.

Editor's Note: Delete the "Post Type", "Height", and "Mounting" options not required.

1. Post Type: End.
2. Post Type: Center.
3. Post Type: Corner.
4. Post Type: Receiver.
5. Height: 42.2 inches.
6. Height: 48.2 inches.
7. Height: 60.2 inches.
8. Height: 72.2 inches.
9. Mounting: Flange. 5.1 x 5.1 x 0.2 inch.
10. Mounting: Cut flange. 5.1 x 3.6 x 0.2 inch. Mounts flush against walls.

Editor's Note: Magnetic mounting is restricted to 42 and 48 inch high posts. Delete if not required,

11. Mounting: Magnetic. Diameter: 7.68 inch. Thickness: 0.2 inch.

- C. Glazed Walls:

Editor's Note: Delete "Glazing Type" and options not required. Delete "Size" paragraph options not required.

1. Glazing Type: Tempered glass. Thickness: 3/8 inch. Finish: Clear.
2. Glazing Type: Acrylic panels. Thickness: 1/2 inch. Finish: [Clear] [Frosted 1 side] [Frosted 2 sides] (_____).
3. Glazing Type: [_____]. Thickness: 3/8 inch. Finish: [_____].
4. Size (WxH): [48 x 42] [60 x 42] [48 x 48] [60 x 48] [48 x 60] [60 x 60] [48 x 72] [60 x 72] inches.

Editor's Note: Delete "Glazed Gates" paragraph if not required, or delete options not required.

- D. Glazed Gates:

1. Height: 72 inches. Opening: [32] [40] inches.
2. Height: 60 inches. Opening: [32] [40] inches.
3. Height: 48 inches. Opening: [24] [32] [40] inches.
4. Height: 42 inches. Opening: [24] [32] [40] inches.
5. Tempered Glass: Thickness: 3/8 inch. Finish: Clear.
6. Acrylic Panels: Thickness: 1/2 inch. Finish: [Clear] [Frosted 1 side] [Frosted 2 sides].
7. Size (WxH): [24 x 42] [32 x 42] [40 x 42] [24 x 48] [32 x 48] [40 x 48] [32 x 60] [40 x 60] [32 x 72] [40 x 72] inches.

8. Gate Accessories:

Editor's Note: Delete accessories not required.

- a. Kick Plate Set: One pair for single gate, front and back.
- b. Push Plate Set: One pair for single gate, front and back.
- c. Sliding Latch: [**6 inch Latch. Latch Plate: 6 x 0.75 inches**] [**8 inch Latch. Latch Plate: 8 x 0.75 inches**].
- d. Key Lock Gate Latch: Locking Latch with Keys.

E. Options:

1. Table Top: Rotates to any angle.

F. Fasteners: Type 316 stainless steel.

1. Fasteners Anchoring to Other Construction: Use fasteners of type, grade, and class required to produce connections suitable for anchoring posts to other types of construction and capable of withstanding design loads.
2. Exposed Fasteners: [**Phillips**] [**Tamper-resistant**] [**Square or Hex socket**] machine screws for exposed fasteners unless otherwise indicated.

2.3 FABRICATION

- A. Fabricate posts and glazing panels to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage.
- B. Cut, drill, and punch materials cleanly and accurately.
 1. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated.
 2. Remove sharp or rough areas on exposed surfaces.
- C. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items.
- D. Connections: Fabricate posts with welded and mechanical connections unless otherwise indicated.

2.4 STAINLESS STEEL FINISHES

- A. Surface Preparation: Remove tool, die marks, and stretch lines, or blend into finish.
- B. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
 1. Run grain of directional finishes with long dimension of each piece.
 2. When polishing is completed, passivate and rinse surfaces.
 3. Remove embedded foreign matter and leave surfaces chemically clean.
- C. Stainless Steel Tubing Finishes:
 1. 180-Grit Polished Finish: Uniform, directionally textured finish.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine and confirm substrates are ready to receive anchors.

3.2 INSTALLATION, GENERAL

- A. Install per manufacturer's written instructions.
- B. Fit exposed connections together to form tight, hairline joints.
- C. Perform, drilling, and fitting required for installing railings. Set railings accurately in location, alignment, and elevation; measured from established lines and levels and free of rack.
 - 1. Do not weld, cut, or abrade surfaces of railing components that have been coated or finished after fabrication and that are intended for field connection by mechanical or other means without further cutting or fitting.
 - 2. Set posts plumb within a tolerance of 1/16 inch in 3 feet.
- D. Fastening to In-Place Construction: Use anchorage devices and fasteners where necessary for securing posts and for properly transferring loads to in-place construction.

3.3 INSTALLING GLAZING PANELS

- A. Post-Supported Glass Railings: Install assembly to comply with railing manufacturer's written instructions and with requirements in other Part 3 articles. Erect posts and other metal railing components, then set factory-cut glass panels. Do not cut, drill, or alter glass panels in field. Protect edges from damage.

3.4 CLEANING

- A. Clean stainless steel by washing thoroughly with clean water and soap, rinsing with clean water, and wiping dry.
- B. Clean and polish glass.

3.5 PROTECTION

- A. Protect finishes of railings from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.
- B. Restore finishes damaged during installation and construction period so no evidence remains of correction work. Return items that cannot be refinished in field to shop; make required alterations and refinish entire unit or provide new units.

END OF SECTION