

# GLASS CLAMP CSI SPECIFICATIONS

## GENERAL

### SECTION INCLUDES

- A. Clamped glass shelving assemblies.
- B. Clamped glass partition assemblies.
- C. Clamped glass displays.
- D. Clamped glass signage.

### RELATED SECTIONS

- A. Section 05522 - Glass Railing Assemblies: Tempered glass railing system.
- B. Section 08800 - Glazing: Glass used for other purposes.

### REFERENCES

- A. ASTM C 1036 - Standard Specification for Flat Glass; 2001.
- B. ASTM C 1048 - Standard Specification for Heat-Treated Flat Glass -- Kind HS, Kind FT Coated and uncoated Glass; 1997b.

### SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Engineering Calculations: For glass systems not previously tested in full-size mock-up by independent testing agency, provide design calculations substantiating capacity of system to withstand specified loadings; signed and stamped by professional engineer licensed in the State in which the project is located.
- D. Selection Samples: For each finish specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

### DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.

### QUALITY ASSURANCE

- A. Manufacturer Qualifications: At least 20 years experience making glass clamps of the type specified.

## PRODUCTS

### MANUFACTURERS

A. Acceptable Manufacturer - Railing Components Other Than Glass: Taco Metals Inc; 50 N.E. 179th Street, Miami, FL 33162. ASD. Tel: (800) 653-8566. Fax: (800) 653-8564. Email: info@tacometals.com. www.tacometals.com.

- B. Substitutions: Not permitted.

### CLAMPED GLAZED ASSEMBLIES

A. Shelving: Glass shelf system supported by posts with glass infill attached with friction clamps.

- 1. Sizes and Configuration: As indicated on drawings.
- 2. Design to resist 25 pounds per square foot (122 kg/sq m) uniform loading.
- 3. Posts: Square or rectangular, \_\_\_\_\_.
- 4. Posts: Round, \_\_\_\_\_ diameter.
- 5. Post Mounting: Set into sleeves in floor.
- 6. Post Mounting: Surface mounted, with flange anchors.
- 7. Post Mounting: As indicated on drawings.
- 8. Post Mounting: \_\_\_\_\_.
- 9. Glass Mounting: Offset from posts with clamps mounted on front of posts.
- 10. Glass Mounting: Set between posts with clamps mounted on side of posts.
- 11. Finish: Match glass clamps.
- 12. Finish: \_\_\_\_\_.

B. Partitions: Glass partition system supported by steel posts with glass infill attached with friction clamps.

- 1. Sizes and Configuration: As indicated on drawings.
- 2. Design system to resist 25 pounds per linear foot (37 kg/m) uniform lateral loading applied at midpoint.
- 3. Design system to resist 200 pounds (91 kg) concentrated load at any point 42 inches (1067 mm) above finish floor level.
- 4. Posts: Square or rectangular, \_\_\_\_\_.
- 5. Posts: Round, \_\_\_\_\_ diameter.
- 6. Post Mounting: Set into sleeves in floor.
- 7. Post Mounting: Surface mounted, with flange anchors.
- 8. Post Mounting: As indicated on drawings.
- 9. Post Mounting: \_\_\_\_\_.
- 10. Glass Mounting: Offset from posts with clamps mounted on front of posts.
- 11. Glass Mounting: Set between posts with clamps mounted on side of posts.
- 12. Finish: Match glass clamps.
- 13. Finish: \_\_\_\_\_.

## GLASS CLAMP CSI SPECIFICATIONS continued

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C. Glass Clamps: Two piece precision machined grip type made from zamak or Type 316 stainless steel with all fasteners.

1. For Side Mounting on Posts: Generally rectangular in shape.
2. For Side Mounting on Posts: Round-nosed.
3. For Side Mounting on Posts: Fan-shaped, with contrasting metal insert.
4. For Front Mounting on Posts: Circular.
5. For Glass to Glass Connections: Generally rectangular in shape, of configuration required.
6. Provide tamperproof security bolts to secure all clamps.
7. Provide security studs at \_\_\_\_\_.
8. Finish: Polished bright chrome on die casting.
9. Finish: Polished bright gold-colored on die casting.
10. Finish: Simulated brushed stainless steel on die casting; clear lacquer coated.
11. Finish: Simulated polished brass on die casting; clear lacquer coated.
12. Finish: Polished stainless steel.
13. Finish: Brushed stainless steel.
14. Finish: Powder coating on die casting, aluminum color.
15. Finish: Powder coating on die casting, black.
16. Finish: Powder coating on die casting, white.
17. Finish: Bright chrome with matte chrome insert.
18. Finish: Bright chrome with bright gold-colored insert.
19. Finish: Matte chrome with bright chrome insert.
20. Finish: Stainless steel with matte brass insert.

D. Glass: Fully tempered ASTM C 1048 Kind FT quality q3.

1. Tint: None.
2. Tint: Gray.
3. Tint: \_\_\_\_\_.
4. Thickness: 1/2 inch (12 mm).
5. Thickness: 3/4 inch (19 mm).
6. Thickness: \_\_\_\_\_.

E. Glass: ASTM C 1036 Type I transparent flat glass, class 1 clear, quality q3.

1. Thickness: 1/2 inch (12 mm).
2. Thickness: 3/4 inch (19 mm).
3. Thickness: \_\_\_\_\_.

F. Glass: ASTM C 1036 Type I transparent flat glass, class 2 tinted, quality q3.

1. Tint: Gray.
2. Tint: Bronze.
3. Tint: \_\_\_\_\_.
4. Thickness: 1/2 inch (12 mm).
5. Thickness: 3/4 inch (19 mm).
6. Thickness: \_\_\_\_\_.

## EXECUTION

### EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### INSTALLATION

A. Install in accordance with manufacturer's instructions and as indicated on drawings.

B. Clamped Glazed Assemblies: Anchor to substrate in strict accordance with tested anchorage system or engineering calculations.

C. Remove protective film promptly from metal surfaces when installation is complete.

D. Clean glass and metal surfaces.

### PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.