



SECTION 10185

SHOWER AND BATH ENCLOSURES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Shower doors.
- B. Sliding enclosures.
- C. Shower doors and panels.

1.2 RELATED SECTIONS

- A. Section 06100 - Rough Carpentry; blocking.
- B. Section 15400 - Plumbing Fixtures and Equipment; coordination with plumbing fixtures.

1.3 REFERENCES

- A. Aluminum Association (AA): Aluminum Association Designation System.
- B. ADA and ABA Accessibility Guidelines for Buildings and Facilities.
- C. American National Standards Institute (ANSI) Z97.1 Safety Glazing Materials Used in Buildings Safety Performance Specifications and Methods of Test.
- D. American Society for Testing and Materials (ASTM):
 - 1. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - 2. ASTM C162 - Terminology of Glass and Glass Products.
 - 3. ASTM C1036 - Standard Specification for Flat Glass.
 - 4. ASTM C1048 - Specification for Heat-Treated Flat Glass Kind HS, Kind FT Coated ASTM C1172 - Specification for Laminated Architectural Flat Glass
 - 5. ASTM C1464 - Standard Specification for Bent Glass and Uncoated Glass.
- E. Consumer Product Safety Commission (CPSC) - 16CFR 1201 Consumer Product Safety Commission Part 1201 Cat. II - Safety Standard for Architectural Glazing Materials.

1.4 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. Shop Drawings: Show plans, elevations and installation details including attachment to adjacent construction.
 - D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
 - E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual extrusion, color, and finish.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm specializing in manufacture of shower door assemblies, with minimum 10 years experience.
- B. Accessibility Requirements: Shower door assemblies shall comply with ADA-ABA Accessibility Guidelines.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Verify field dimensions prior to fabrication to the greatest extent practical.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Coastal Industries, Inc. , which is located at: 3700 St. Johns Industrial Pkwy. W. ; Jacksonville, FL 32246 ; Toll Free Tel: 800-874-8601; Tel: 904-642-3970 ; Fax: 904-642-5015 ; Email: [request info \(rayadams@coastalind.com\)](mailto:rayadams@coastalind.com); Web: www.coastalind.com
- B. Jacksonville, FL 32246 Toll Free Tel: (800) 874-8601. Tel: (904) 642-3970. Fax: (904) 642-5015. Email: _____. Web: <http://www.coastalind.com>.
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 ENCLOSURES

- A. Bypass Units - General:
 - 1. Fully adjustable sealed ball bearing rollers.
 - 2. Molded flexible PVC jamb bumpers with concealed fasteners.
 - 3. Aquatex obscure glass.
 - 4. Clear glass.
 - 5. Glass pattern. Refer to drawings.
 - 6. Graphics. Refer to drawings.

- B. Challenger Series - 3000:
 - 1. 1/8 inch (3 mm) glass standard.
 - 2. Finish: Brite Silver anodized aluminum.
 - 3. Finish: Brite Gold anodized aluminum.
 - 4. Finish: Brushed Nickel anodized aluminum.
 - 5. Finish: Oil Rubbed Bronze anodized aluminum.
 - 6. Bottom Track: W-type bottom track with screw on nylon door guide.
 - 7. Bottom Track: Easy clean self-draining tub track with snap on nylon center guide.
 - 8. Two single towel bars with black nylon brackets.
 - 9. 7/8 inch (22 mm) side jambs.
 - 10. 3/4 inch (19 mm) glass frame - stile.
 - 11. 11/16 inch (17.5 mm) glass frame - rail.
 - 12. Interlocking jambs.

- C. Challenger Series - 3100:
 - 1. 1/8 inch (3 mm) glass standard.
 - 2. Finish: Brite Silver anodized aluminum.
 - 3. Finish: Brite Gold anodized aluminum.
 - 4. Finish: Brushed Nickel anodized aluminum.
 - 5. Finish: Oil Rubbed Bronze anodized aluminum.
 - 6. Bottom Track: W-type bottom track with screw on nylon door guide.
 - 7. Bottom Track: Easy clean self-draining tub track with snap on nylon center guide.
 - 8. Two single towel bars with black nylon brackets.
 - 9. 7/8 inch (22 mm) side jambs.
 - 10. 3/4 inch (19 mm) glass frame - stile.
 - 11. 11/16 inch (17.5 mm) glass frame - rail.
 - 12. Interlocking jambs.

- D. Paragon Series - 1700:
 - 1. 5/32 inch (4 mm) or 3/16 inch (4.8 mm) glass standard.
 - 2. Finish: Brite Silver anodized aluminum.
 - 3. Finish: Brite Gold anodized aluminum.
 - 4. Finish: Brushed nickel anodized aluminum.
 - 5. Finish: Oil Rubbed Bronze anodized aluminum.
 - 6. Easy clean self-draining tub track with screw on molded nylon panel guide of sufficient height to prevent accidental dislodging of interior panel.
 - 7. Two single towel bars with solid anodized aluminum towel bar brackets and clear anti-reverse finger pulls.
 - 8. 1-1/4 inches (32 mm) glass frame.
 - 9. Polished radius header front.
 - 10. Interlocking jambs.
 - 11. Anti-jump header insert.
 - 12. Inline and 90 degree panel units as indicated.

- E. Paragon Series - 1800:
 - 1. 5/32 inch (4 mm) or 3/16 inch (4.8 mm) glass standard.

2. Finish: Brite Silver anodized aluminum.
 3. Finish: Brite Gold anodized aluminum.
 4. Finish: Brushed nickel anodized aluminum.
 5. Finish: Oil Rubbed Bronze anodized aluminum.
 6. Easy clean self-draining tub track with screw on molded nylon panel guide of sufficient height to prevent accidental dislodging of interior panel.
 7. Two single towel bars with solid anodized aluminum towel bar brackets and clear anti-reverse finger pulls.
 8. 1-1/4 inches (32 mm) glass frame.
 9. Polished radius header front.
 10. Interlocking jambs.
 11. Anti-jump header insert.
 12. Inline and 90 degree panel units as indicated.
- F. Newport Series - 1500:
1. 5/32 inch (4 mm) or 3/16 inch (4.8 mm) glass standard.
 2. Finish: Brite Silver anodized aluminum.
 3. Finish: Brite Gold anodized aluminum.
 4. Finish: Brushed nickel anodized aluminum.
 5. Finish: Oil Rubbed Bronze anodized aluminum.
 6. Easy clean self-draining tub track with screw on molded nylon panel guide of sufficient height to prevent accidental dislodging of interior panel.
 7. Two single towel bars with molded towel bar brackets and anti-reverse finger pulls.
 8. 1-1/4 inches (32 mm) glass frame.
 9. Polished radius header front.
 10. Inline and 90 degree panel units as indicated.
- G. Newport Series - 1600:
1. 5/32 inch (4 mm) or 3/16 inch (4.8 mm) glass standard.
 2. Finish: Brite Silver anodized aluminum.
 3. Finish: Brite Gold anodized aluminum.
 4. Finish: Brushed nickel anodized aluminum.
 5. Finish: Oil Rubbed Bronze anodized aluminum.
 6. Easy clean self-draining tub track with screw on molded nylon panel guide of sufficient height to prevent accidental dislodging of interior panel.
 7. Two single towel bars with molded towel bar brackets and anti-reverse finger pulls.
 8. 1-1/4 inches (32 mm) glass frame.
 9. Polished radius header front.
 10. Inline and 90 degree panel units as indicated.
- H. Paragon B Series - 5100:
1. Two part clamp style anodized aluminum glass hangers.
 2. 3/16 inch (4.8 mm) frameless glass standard.
 3. Finish: Brite Silver anodized aluminum.
 4. Finish: Brite Gold anodized aluminum.
 5. Finish: Brushed nickel anodized aluminum.
 6. Finish: Oil Rubbed Bronze anodized aluminum.
 7. Easy Clean, self-draining tub track with Snap-On vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
 8. Interlocking jambs
 9. Deluxe extruded aluminum towel bar and brackets on outside and pulls on inside.
 10. Polished Radius Header
 11. Anti-jump header insert.

- I. Paragon B Series - 5200:
 - 1. Two part clamp style anodized aluminum glass hangers.
 - 2. 3/16 inch (4.8 mm) frameless glass standard.
 - 3. Finish: Brite Silver anodized aluminum.
 - 4. Finish: Brite Gold anodized aluminum.
 - 5. Finish: Brushed nickel anodized aluminum.
 - 6. Finish: Oil Rubbed Bronze anodized aluminum
 - 7. Easy Clean, self-draining tub track with Snap-On vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
 - 8. Interlocking jambs
 - 9. Deluxe extruded aluminum towel bar and brackets on outside and pulls on inside.
 - 10. Polished Radius Header
 - 11. Anti-jump header insert.

- J. Paragon Frameless Series - 2700:
 - 1. Two part clamp style anodized aluminum glass hangers.
 - 2. 1/4 inch (6 mm) Polished edge - frameless glass standard.
 - 3. Finish: Brite Silver anodized aluminum.
 - 4. Finish: Brite Gold anodized aluminum.
 - 5. Finish: Brushed nickel anodized aluminum.
 - 6. Finish: Oil Rubbed Bronze anodized aluminum.
 - 7. Easy clean, self-draining tub track with snap-on vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
 - 8. Polished radius header.
 - 9. Interlocking jambs.
 - 10. Polished radius towel bars that mount through drilled holes in glass.
 - 11. Anti-jump header insert.
 - 12. Inline and 90 degree panel units as indicated.

- K. Paragon Frameless Series - 2800:
 - 1. Two part clamp style anodized aluminum glass hangers.
 - 2. 1/4 inch (6 mm) Polished edge - frameless glass standard.
 - 3. Finish: Brite Silver anodized aluminum.
 - 4. Finish: Brite Gold anodized aluminum.
 - 5. Finish: Brushed nickel anodized aluminum.
 - 6. Finish: Oil Rubbed Bronze anodized aluminum.
 - 7. Easy clean, self-draining tub track with snap-on vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
 - 8. Polished radius header.
 - 9. Interlocking jambs.
 - 10. Polished radius towel bars that mount through drilled holes in glass.
 - 11. Anti-jump header insert.
 - 12. Inline and 90 degree panel units as indicated.

- L. Paragon Heavy Frameless Series - 6100:
 - 1. Heavy duty bolt-on style anodized aluminum glass hangers.
 - 2. Heavy duty ball bearing rollers.
 - 3. 3/8 inch (9.5 mm) polished edge - frameless thru-hole glass standard.
 - 4. Finish: Brite Silver anodized aluminum.
 - 5. Finish: Brite Gold anodized aluminum.
 - 6. Finish: Brushed nickel anodized aluminum.
 - 7. Finish: Oil Rubbed Bronze anodized aluminum.
 - 8. Easy clean, self-draining tub track with screw-on vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
 - 9. Polished radius header.

10. Interlocking jambs.
11. Notched wall jamb that fits over sill.
12. Polished radius towel bars that mount through drilled holes in glass.
13. Inline panel units as indicated.
14. End panel units as indicated.

M. Paragon Heavy Frameless Series - 6200:

1. Heavy duty bolt-on style anodized aluminum glass hangers.
2. Heavy duty ball bearing rollers.
3. 3/8 inch (9.5 mm) polished edge - frameless thru-hole glass standard.
4. Finish: Brite Silver anodized aluminum.
5. Finish: Brite Gold anodized aluminum.
6. Finish: Brushed nickel anodized aluminum.
7. Finish: Oil Rubbed Bronze anodized aluminum.
8. Easy clean, self-draining tub track with screw-on vinyl door guide with sufficient height to prevent accidental dislodging of interior panel.
9. Polished radius header.
10. Interlocking jambs.
11. Notched wall jamb that fits over sill.
12. Polished radius towel bars that mount through drilled holes in glass.
13. Inline panel units as indicated.
14. End panel units as indicated.

2.3 PIVOT DOORS

A. Paragon 3/8 Series

1. Glass: Clear 3/8 inch (9 mm) with polished edges. Cut outs per drawings for pivot hinge
2. Finish: Polished Chrome plated brass.
3. Finish: Brushed Nickel plated brass.
4. Finish: Oil Rubbed Bronze plated brass.
5. All hardware shall be finished to match pivot hinge assemblies.

B. Paragon - PV Series:

1. Glass: Aquatex obscure glass.
2. Glass: Clear glass.
3. Glass Pattern: Refer to drawings.
4. Graphics: Refer to drawings.
5. Finish: Brite Silver anodized aluminum.
6. Finish: Brite Gold anodized aluminum.
7. Pivot plates and handle hardware shall be extruded aluminum finished to match the unit. Plated hardware is not permitted.
8. Pivot jambs shall have continuous vertical vinyl seal.
9. Doors shall have continuous drip rail and vinyl wiper blade at bottom of panel. Drip rail shall be sloped to drain water to the interior of the door when opened. Drip rail ends shall have plastic protective caps at both ends for safety.
10. Doors shall be adjustable for precisely fit to wall conditions.
11. Latch shall be permanently mounted magnetic strips. Mechanical closure devices not permitted.
12. Plastic cap covering the top of wall jamb on strike side.

C. Trident - TS Series:

1. Glass: Aquatex obscure glass.
2. Glass: Clear glass.
3. Glass Pattern: Refer to drawings.
4. Graphics: Refer to drawings.
5. Finish: Brite Silver anodized aluminum.

6. Finish: Brite Gold anodized aluminum.
7. Finish: Silver Satin anodized aluminum.
8. Modular design and application for easy installation.
9. Full threshold.
10. Full length built-in handle with full length magnetic latch.
11. Adjustable strike jamb.
12. 1-1/2 inches (38 mm) width adjustment.
13. Built-in drip rail and vinyl sweep at door bottom.

2.4 CONTINUOUS HINGE DOORS

A. Legend Series:

1. Glass: Aquatex obscure glass.
2. Glass: Clear glass.
3. Glass Pattern: Refer to drawings.
4. Graphics: Refer to drawings.
5. Finish: Brite Silver anodized aluminum.
6. Finish: Platinum.
7. Finish: Brushed Nickel anodized aluminum.
8. Finish: Oil Rubbed Bronze anodized aluminum.
9. Heavy duty continuous hinge.
10. Full length built-in pull handle with full-length magnetic strip latching system.
11. Modular interlocking design, consisting of a pre-hung door that interlocks to different panels to make Inline and Neo panel units.
12. Water seal inter-lock.
13. No parts to install.
14. Out-of-plumb panel adjustment.
15. Header cap.

B. Trident Series:

1. Glass: Aquatex obscure glass.
2. Glass: Clear glass.
3. Glass Pattern: Refer to drawings.
4. Graphics: Refer to drawings.
5. Doors shall have a continuous extruded ball and socket hinge that is integral to the hinge stile and jamb.
6. Hinge and pivot bushings shall be self lubricating nylon 6/6.
7. Doors shall have an integral splash guard built into the rails and a vinyl wiper blade inserted at bottom of panel.
8. Latch to be permanently mounted magnetic strips. Mechanical closure devices not permitted.
9. Adjustable jamb to provide +/- 5/16 inch (8 mm) adjustment.
10. Door pull shall be an integral part of the door stile.

C. Paragon Stall System:

1. Glass: Aquatex obscure glass.
2. Glass: Clear glass.
3. Glass Pattern: Refer to drawings.
4. Graphics: Refer to drawings.
5. Finish: Brite Silver anodized aluminum.
6. Finish: Brite Gold anodized aluminum.
7. Finish: Brushed nickel anodized aluminum.
8. Finish: Platinum.
9. Finish: Oil Rubbed Bronze anodized aluminum.
10. Doors shall have a continuous extruded ball and socket hinge that is integral to the hinge stile and jamb.

11. Hinge and pivot bushings shall be self-lubricating nylon 6/6 with stainless steel wear washers.
12. Doors shall have continuous drip rail and vinyl wiper blade at bottom of panel. Framed Paragon units shall have aluminum drip rail sloped to drain water to the interior of the door when opened. Drip rail ends shall have plastic protective caps at both ends for safety.
13. Latch to be permanently mounted magnetic strips for framed doors. Frameless doors shall have a special plated Neodymium magnet that fits into the strike jamb and a special stainless steel strike plate that is attached to the door handle. Mechanical closure devices not permitted.
14. Adjustable jamb to provide +/- 5/16 inch (8 mm) adjustment.
15. Pull handle shall be extruded aluminum finished to match the unit.
16. Pull handle shall be polished aluminum handles that mount through drilled holes in the glass.
17. Units shall have continuous curb with weep slots to drain any infiltrated water to the interior of the unit.
18. Fixed glass panels shall be flush-glazed and held in place with roll-in vinyl.
19. Walls jambs on stand-alone doors shall be covered with black plastic caps for safety.

D. Paragon 3/8 Series:

1. Glass: 3/8 inch (9 mm) clear with polished edges. Cut outs per drawings for wall hinge.
2. Finish: Polished Chrome plated brass.
3. Finish: Brushed Nickel plated brass.
4. Finish: Oil Rubbed Bronze plated brass.
5. All hardware shall be finished to match hinge assemblies.

E. Illusion Series:

1. Glass: 1/4 inch (6 mm) clear glass for door panel with polished edges; 3/8 inch (9 mm) glass for all additional panels.
2. Finish: Brite Silver anodized aluminum.
3. Finish: Brushed Nickel anodized aluminum.
4. Finish: Oil Rubbed Bronze anodized aluminum.
5. Frameless doors shall have a special plated Neodymium magnet that fits into the strike jamb and a special stainless steel strike plate that is attached to the door handle. Mechanical closure devices not permitted.
6. Adjustable jamb to provide +/- 5/16 inch (8 mm) adjustment.
7. Polished aluminum handles that mount through drilled holes in glass.
8. Walls jambs on panels shall be covered with black plastic caps for safety.

2.5 MATERIALS AND CONSTRUCTION

A. Extruded Aluminum Alloy:

1. Headers:
 - a. Brite Extruded aluminum shall be 6463-T6 alloy.
 - b. Satin Extruded aluminum headers shall be 6063-T6 alloy.
2. All Other Extrusions:
 - a. Brite Extruded aluminum shall be 6463-T5 alloy.
 - b. Satin Extruded aluminum shall be 6063-T5 alloy.

B. Aluminum Finish: Finish shall conform to the following Aluminum Association Specifications.

1. Silver:
 - a. AA-M11-C31-A21 for Brite Anodized Aluminum.
 - b. AA-M22-C31-A21 for Polished Brite Anodized Aluminum.
2. Gold:

- a. AA-M11-C31-A23 for Brite Anodized Aluminum.
 - b. AA-M22-C31-A23 for Polished Brite Anodized Aluminum.
 - 3. Brushed Nickel:
 - a. AA-M35C32A44
 - 4. Oil Rubbed Bronze:
 - a. AA-M10C22A44
- C. Fasteners:
 - 1. Screws and fasteners shall be stainless steel to prevent rust and corrosion.
- D. Glazing Materials:
 - 1. Glazing materials shall be safety tempered glass with a nominal thickness of 0.125 inch (3.18 mm), 0.156 inch (3.96 mm) or 0.188 inch (4.78 mm) on obscure and clear framed panels, 0.188 inch (4.78 mm) or 0.25 inch (6.35 mm) or 0.375 inch (9.5 mm) on obscure and clear frameless panels. ANSI Z97.1 and / or 16 CFR 1201 shall be stamped on the glass.

PART 3 EXECUTION

3.1 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.

3.2 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.

3.3 INSTALLATION

- A. Comply with manufacturer's written installation instructions.
- B. Install securely and in proper relationship with adjacent construction.
- C. Install straight and plumb.
- D. Test and adjust for proper operation.

3.4 PROTECTION

- A. Protect installed materials from damage from construction operations.
- B. Repair or replace damaged units.
- C. Protect installed products until completion of project.
- D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION