

SECTION 06475

PLASTIC SHUTTERS AND ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Exterior shutters.
- B. Exterior shutter hardware.
- C. Arch tops.
- D. Transom tops.

1.2 RELATED SECTIONS

- A. Section 09900 - Paints and Coatings.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Show materials, layout, dimensions, profiles, fasteners and anchors, hardware, finishes, and interface with adjacent construction.
- C. 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.
- 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) square, representing actual product, color, and patterns.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name and manufacturer.
- B. Store products in manufacturer's unopened packaging until ready for installation.
- C. Store materials in a clean, dry area in accordance with manufacturer's instructions.
- D. Protect materials during handling and installation to prevent damage.

1.5 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.6 WARRANTY

- A. Provide with a Limited Lifetime warranty against cracking, splitting or fading.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer:
 - Architectural Mall, Inc
 - 323 Paul Blvd
 - Carol Stream, IL 60188
 - T. 877-279-9993 F. 844-817-0480
 - www.columnsandbalustrades.com sales@architecturalmall.com

- B. Substitutions: Not permitted.

- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 SHUTTERS

- A. Standard Open Louver Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color
 - 1. Width:
 - a. 12 inch (305 mm).
 - b. 14-1/2 inch (368 mm).
 - 2. Length:
 - a. 25 inch (635 mm).
 - b. 31 inch (787 mm).
 - c. 36 inch (914 mm).
 - d. 39 inch (991 mm).
 - e. 43 inch (1092 mm).
 - f. 48 inch (1219 mm).
 - g. 52 inch (1321 mm).
 - h. 55 inch (1397 mm).
 - i. 60 inch (1524 mm).
 - j. 64 inch (1626 mm).
 - k. 67 inch (1702 mm).
 - l. 72 inch (1829 mm).
 - m. 75 inch (1905 mm).
 - n. 80 inch (2032 mm).
 - 3. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 018 Tuxedo Gray.
 - h. 023 Wicker.
 - i. 027 Burgundy Red.
 - j. 028 Forest Green.
 - k. 036 Classic Blue.
 - l. 078 Wineberry.
 - m. 117 Bright White.

- n. 122 Midnight Green.
- o. 166 Midnight Blue.
- p. 167 Bordeaux.
- q. 282 Colonial Green.
- r. 283 Moss.
- s. 284 Sage.
- t. 285 Plum Creek.
- u. 030 Paintable.

B. Standard Raised Panel Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color

- 1. Width:
 - a. 12 inch (305 mm).
 - b. 14-3/4 inch (374 mm).
- 2. Length:
 - a. 31 inch (787 mm).
 - b. 35 inch (889 mm).
 - c. 39 inch (991 mm).
 - d. 43 inch (1092 mm).
 - e. 47 inch (1194 mm).
 - f. 51 inch (1295 mm).
 - g. 55 inch (1397 mm).
 - h. 59 inch (1499 mm).
 - i. 63 inch (1600 mm).
 - j. 67 inch (1702 mm).
 - k. 67 inch (1702 mm) Cottage Style.
 - l. 71 inch (1803 mm).
 - m. 75 inch (1905 mm).
 - n. 80 inch (2032 mm).
- 3. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 018 Tuxedo Gray.
 - h. 023 Wicker.
 - i. 027 Burgundy Red.
 - j. 028 Forest Green.
 - k. 036 Classic Blue.
 - l. 078 Wineberry.
 - m. 117 Bright White.
 - n. 122 Midnight Green.
 - o. 166 Midnight Blue.
 - p. 167 Bordeaux.
 - q. 282 Colonial Green.
 - r. 283 Moss.
 - s. 284 Sage.
 - t. 285 Plum Creek.
 - u. 030 Paintable.

C. Standard Board-N-Batten Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color.

- 1. Width:
 - a. 12 inch (305 mm) three-board spaced.

- b. 14 inch (356 mm) four-board joined.
- 2. Length:
 - a. 31 inch (787 mm).
 - b. 35 inch (889 mm).
 - c. 39 inch (991 mm).
 - d. 43 inch (1092 mm).
 - e. 47 inch (1194 mm).
 - f. 51 inch (1295 mm).
 - g. 55 inch (1397 mm).
 - h. 59 inch (1499 mm).
 - i. 63 inch (1600 mm).
 - j. 67 inch (1702 mm).
 - k. 71 inch (1803 mm).
 - l. 75 inch (1905 mm).
 - m. 80 inch (2032 mm).
- 3. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 018 Tuxedo Gray.
 - h. 023 Wicker.
 - i. 027 Burgundy Red.
 - j. 028 Forest Green.
 - k. 036 Classic Blue.
 - l. 078 Wineberry.
 - m. 117 Bright White.
 - n. 122 Midnight Green.
 - o. 166 Midnight Blue.
 - p. 167 Bordeaux.
 - q. 282 Colonial Green.
 - r. 283 Moss.
 - s. 284 Sage.
 - t. 285 Plum Creek.
 - u. 030 Paintable.

D. Custom Louver Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color

- 1. Custom Styles:
 - a. L1 Cathedral Top Center Mullion.
 - b. L2 Straight Top Center Mullion.
 - c. L3 Cathedral Top Offset Mullion.
 - d. L4 Straight Top Offset Mullion.
 - e. L5 Cathedral Top All Louver.
 - f. L6 Straight Top All Louver.
 - g. L7 Straight Top Double Wide.
- 2. Width:
 - a. 5-3/4 inch (146 mm).
 - b. 8-1/2 inch (216 mm).
 - c. 9-1/4 inch (235 mm).
 - d. 11 inch (279 mm).
 - e. 12 inch (305 mm).
 - f. 13 inch (330 mm).
 - g. 14-1/2 inch (368 mm).

- h. 16-1/2 inch (419 mm).
 - i. 18 inch (457 mm).
 - j. 20-1/2 inch (521 mm), double wide only.
 - k. 25-1/2 inch (648 mm), double wide only.
 - l. 29-1/2 inch (749 mm), double wide only.
 - m. 31 inch (787 mm), double wide only.
3. Length:
- a. _____ inches (_____ mm).
4. Colors:
- a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 016 Light Gray.
 - h. 018 Tuxedo Gray.
 - i. 020 Cream.
 - j. 023 Wicker.
 - k. 027 Burgundy Red.
 - l. 028 Forest Green.
 - m. 036 Classic Blue.
 - n. 078 Wineberry.
 - o. 117 Bright White.
 - p. 122 Midnight Green.
 - q. 166 Midnight Blue.
 - r. 167 Bordeaux.
 - s. 030 Paintable
 - t. 282 Colonial Green.
 - u. 283 Moss.
 - v. 284 Sage.
 - w. 285 Plum Creek.
 - x. 1.Width: 9 1/4 inches (235 mm)
 - y. 2.Width: 12 inches (308 mm)
 - z. 3.Width: 14 1/2 inches (368 mm)
 - aa. 4.Length: _____ inches (_____ mm)

E. Custom Panel Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color

1. Custom Styles:
- a. P1, One Panel.
 - b. P2, 2 Panels Equal.
 - c. P3, 2 Panels Unequal.
 - d. P4, 3 Panels Equal.
 - e. P5, 3 Panels, Small Center.
 - f. P6, 3 Panels Small Top.
 - g. P7, Double Wide.
2. Width:
- a. 9-1/4 inch (235 mm).
 - b. 12 inch (305 mm).
 - c. 14-1/2 inch (368 mm).
 - d. 16-1/2 inch (419 mm).
 - e. 18 inch (457 mm).
 - f. 20-1/4 inch (514 mm), double wide only.
 - g. 25-1/2 inch (648 mm), double wide only.
 - h. 29-1/2 inch (749 mm), double wide only.

- i. 31 inch (787 mm), double wide only.
- 3. Length:
 - a. P1: _____ inches (_____ mm).
 - b. P2: _____ inches (_____ mm).
 - c. P3: _____ inches (_____ mm).
 - d. P7: _____ inches (_____ mm).
 - e. P4: _____ inches (_____ mm).
 - f. P5: _____ inches (_____ mm).
 - g. P6: _____ inches (_____ mm).
- 4. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 016 Light Gray.
 - h. 018 Tuxedo Gray.
 - i. 020 Cream.
 - j. 023 Wicker.
 - k. 027 Burgundy Red.
 - l. 028 Forest Green.
 - m. 036 Classic Blue.
 - n. 078 Wineberry.
 - o. 117 Bright White.
 - p. 122 Midnight Green.
 - q. 166 Midnight Blue.
 - r. 167 Bordeaux.
 - s. 030 Paintable.
 - t. 282 Colonial Green.
 - u. 283 Moss.
 - v. 284 Sage.
 - w. 285 Plum Creek.
 - x. 1.Width: 12 inches (308 mm).
 - y. 2.Width: 14 1/2 inches (368 mm).
 - z. 3.Length: _____ inches (_____ mm).

F. Custom Louver-Panel Combination Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color

- 1. Custom Styles:
 - a. LP1, Upper Louver/Lower Panel, Cathedral Top.
 - b. LP2, Upper Louver/Lower Panel, Straight Top.
- 2. Width:
 - a. 9-1/4 inch (235 mm).
 - b. 12 inch (305 mm).
 - c. 14-1/2 inch (368 mm).
 - d. 16-1/2 inch (419 mm).
 - e. 18 inch (457 mm).
- 3. Length:
 - a. _____ inches (_____ mm).
- 4. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.

- f. 010 Musket Brown.
- g. 016 Light Gray.
- h. 018 Tuxedo Gray.
- i. 020 Cream.
- j. 023 Wicker.
- k. 027 Burgundy Red.
- l. 028 Forest Green.
- m. 036 Classic Blue.
- n. 078 Wineberry.
- o. 117 Bright White.
- p. 122 Midnight Green.
- q. 166 Midnight Blue.
- r. 167 Bordeaux.
- s. 030 Paintable.

G. Custom Board-N-Batten Shutters: Shutters fabricated of maintenance-free, UV-stabilized polypropylene copolymer with molded-through color

1. Custom Styles:
 - a. Joined J2, 7 inch Two Board.
 - b. Joined J3, 10-1/2 inch Three Board.
 - c. Joined J4, 14 inch Four Board.
 - d. Joined J4-A, 14 inch Four Board Arch Top.
 - e. Joined J5, 17-1/2 inch Five Board.
 - f. Spaced S2, 7-3/4 inch Two Board.
 - g. Spaced S3, 12 inch Three Board.
 - h. Spaced S4, 16-1/4 inch Four Board.
 - i. Spaced S5, 20-1/2 inch Five Board.
2. Width:
 - a. 7 inch (178 mm).
 - b. 10-1/2 inch (267 mm).
 - c. 14 inch (356 mm).
 - d. 14 inch (356 mm). Archtop.
 - e. 17-1/2 inch (445 mm).
 - f. 7-3/4 inch (197 mm).
 - g. 12 inch (305 mm).
 - h. 16-1/4 inch (413 mm).
 - i. 20-1/2 inch (521 mm).
3. Length:
 - a. _____ inches (_____ mm).
 - b. J4-A: _____ inches (_____ mm).
4. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 016 Light Gray.
 - h. 018 Tuxedo Gray.
 - i. 020 Cream.
 - j. 023 Wicker.
 - k. 027 Burgundy Red.
 - l. 028 Forest Green.
 - m. 036 Classic Blue.
 - n. 078 Wineberry.
 - o. 117 Bright White.

- p. 122 Midnight Green.
- q. 166 Midnight Blue.
- r. 167 Bordeaux.
- s. 030 Paintable.
- t. 282 Colonial Green.
- u. 283 Moss.
- v. 284 Sage.
- w. 285 Plum Creek.
 - 1) Width: 12 inches (305 mm)
 - 2) Width: 14 inches (356 mm)
 - 3) Length: _____ inches (_____ mm).

2.3 Shutter Accessories

A. Quarter Round Arch Tops.

- 1. Styles Available:
 - a. Raised Panel, 14-3/4 inch (375 mm).
 - b. Open Louver, 14-1/2 inches (368 mm) in width, by 17 inches (432 mm) high.
- 2. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 018 Tuxedo Gray.
 - h. 023 Wicker.
 - i. 027 Burgundy Red.
 - j. 028 Forest Green.
 - k. 036 Classic Blue.
 - l. 078 Wineberry.
 - m. 117 Bright White.
 - n. 122 Midnight Green.
 - o. 166 Midnight Blue.
 - p. 167 Bordeaux.
 - q. 030 Paintable.

B. Transom Top Add-On.

- 1. Styles Available:
 - a. Raised Panel, 14-3/4 inches (375 mm) in width, by 11-3/4 inch (298 mm) high.
- 2. Colors:
 - a. 001 White.
 - b. 002 Black.
 - c. 004 Wedgewood Blue.
 - d. 008 Clay.
 - e. 009 Federal Brown.
 - f. 010 Musket Brown.
 - g. 018 Tuxedo Gray.
 - h. 023 Wicker.
 - i. 027 Burgundy Red.
 - j. 028 Forest Green.
 - k. 036 Classic Blue.
 - l. 078 Wineberry.
 - m. 117 Bright White.

- n. 122 Midnight Green.
- o. 166 Midnight Blue.
- p. 167 Bordeaux.
- q. 030 Paintable.

- C. Fasteners:
 - 1. Shutter-Lok fasteners, 3 inches (76 mm) long, color coordinated to match adjacent shutter. Suitable for any surface.
 - 2. Painted Screws, 3 inches (76 mm) long, color coordinate to match adjacent shutter.
- D. Decorative Hinges and S-Hooks.
 - 1. Flat Hinge: With a matte black finish.
 - 2. S Hook: With a matte black finish.

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.
- C. Commencement of work will imply acceptance of substrate.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surface using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Paint in accordance with manufacturer's recommended instructions. Contact manufacturer for recommended paint and shutter surface preparation.

3.4 PROTECTION

- A. Protect installed products from damage by weather and other work until Date of Substantial Completion.
- B. Touch-up and repair damaged products before Date of Substantial Completion.

END OF SECTION