



SECTION 06470

PLASTIC SHUTTERS AND ACCESSORIES

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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 09 90 00 - Painting and Coating.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- 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: Mid-America Siding Components - The Tapco Group, which is located at: 29797 Beck Rd.; Wixom, MI 48393-2834; Toll Free Tel: 800-521-8486; Fax: 888-459-3647; Email: wayne_sanderson@tapcoint.com; Web: www.midamericacomponents.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 SHUTTERS

- A. Standard Open Louver Shutters: Mid-America Cathedral Open Louver 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. 030 Paintable
- r..

B. Standard Raised Panel Shutters: Mid-America Raised Panel Master 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. 030 Paintable.

C. Standard Board-N-Batten Shutters: Mid-America Board-N-Batten 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.
 - c. 14 inch (356 mm) Four Board Joined with Arch Top
2. Length:
 - a. 31 inch (787 mm).
 - b. 35 inch (889 mm).
 - c. 39 inch (991 mm).
 - d. 43 inch (1092 mm).
 - e. 45 inch (1143 mm) Four Board Joined with Arch Top only.
 - f. 47 inch (1194 mm).
 - g. 49 inch (1245 mm) Four Board Joined with Arch Top only.
 - h. 51 inch (1295 mm).
 - i. 53 inch (1346 mm) Four Board Joined with Arch Top only.
 - j. 55 inch (1397 mm).
 - k. 57 inch (1448 mm) Four Board Joined with Arch Top only.
 - l. 59 inch (1499 mm).
 - m. 61 inch (1549 mm) Four Board Joined with Arch Top only.
 - n. 63 inch (1600 mm).
 - o. 65 inch (1651 mm) Four Board Joined with Arch Top only.
 - p. 67 inch (1702 mm).
 - q. 69 inch (1753 mm) Four Board Joined with Arch Top only.
 - r. 71 inch (1803 mm).
 - s. 73 inch (1854 mm) Four Board Joined with Arch Top only.
 - t. 75 inch (1905 mm).
 - u. 77 inch (1956 mm) Four Board Joined with Arch Top only.
 - v. 80 inch (2032 mm).
 - w. 81 inch (2057 mm) Four Board Joined with Arch Top only.
 - x. 85 inch (2159 mm) Four Board Joined with Arch Top only.
 - y. 89 inch (2261 mm) Four Board Joined with Arch Top only.
 - z. 94 inch (2388 mm) Four Board Joined with Arch Top only.
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. 030 Paintable.

D. Specialty Louver Shutters: Mid-America Specialty Louver 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.
2. Width:
- a. 9-1/4 inch (235 mm).
 - b. 11 inch (279 mm).
 - c. 12 inch (305 mm).
 - d. 14-1/2 inch (368 mm).
 - e. 16-1/2 inch (419 mm).
 - f. 18 inch (457 mm).
 - g. L2: _____ inches (_____ mm).
 - h. L3: _____ inches (_____ mm).
 - i. L4: _____ inches (_____ mm).
 - j. L5: _____ inches (_____ mm).
 - k. L6: _____ inches (_____ 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. 030 Paintable

E. Specialty Raised Panel Shutters: Mid-America Specialty Raised Panel 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.
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. P1: _____ inches (_____ mm).
 - b. P2: _____ inches (_____ mm).

- c. P3: _____ inches (_____ mm).
 - d. P4: _____ inches (_____ mm).
 - e. P5: _____ inches (_____ mm).
 - f. 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. 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.

F. Specialty Louver-Panel Combination Shutters: Mid-America Specialty Louver-Panel 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. 023 Wicker.
 - j. 027 Burgundy Red.
 - k. 028 Forest Green.
 - l. 036 Classic Blue.
 - m. 078 Wineberry.
 - n. 117 Bright White.
 - o. 122 Midnight Green.
 - p. 166 Midnight Blue.
 - q. 167 Bordeaux.
 - r. 030 Paintable.

- G. Specialty Board-N-Batten Shutters: Mid- Specialty Board-N-Batten 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 Joined with 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, 16-1/2 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). Four Board Joined with Arch Top.
 - e. 17-1/2 inch (445 mm).
 - f. 7-3/4 inch (197 mm).
 - g. 12 inch (305 mm).
 - h. 16-1/2 inch (419 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. 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.

2.3 Shutter Accessories

- A. Quarter Round Arch Tops.:
1. Styles Available:
 - a. Raised Panel, 14-3/4 inch (375 mm) in width.
 - b. Raised Panel, 12 inches (305 mm) in width.
 - c. Open Louver, 14-1/2 inches (368 mm) in width, by 17 inches (432 mm) in height.
 - d. Solid, 14-1/2 inches (368 mm) in width.
 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. Elliptical Add-On:

- 1. Styles Available:
 - a. Raised Panel, 14-3/4 inches (375 mm) in width, by 6 inches (152 mm) in height.
- 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.

D. 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.

E. 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