SECTION 10 71 13.13

EXTERIOR SHUTTERS

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

*Copyright 2021 - 2021 ARCAT, Inc. - All rights reserved*

\*\* NOTE TO SPECIFIER \*\* New Horizon Shutters International LLC.; custom manufactured composite shutters.  
This section is based on the products of New Horizon Shutters International LLC.,which is located at:  
7259 Spa Road, Suite A,  
North Charleston, SC 29418  
Tel: 843-797-7762  
Email: [quotes@NewHorizonShutters.com](mailto:quotes@NewHorizonShutters.com)  
Web: [www.NewHorizonShutters.com](http://www.NewHorizonShutters.com)   
[Click Here](https://www.arcat.com/arcatcos/cos9552/arc52132.html) for additional information.  
At New Horizon Shutters, we are continuously reviewing, developing, and improving to stay the best and most preferred exterior shutter manufacturer for homes and commercial projects.  
New Horizon Shutters' patented technology allows us to create the most customizable and longest lasting shutter on the market. Our dedication to innovation has enabled us to create composite shutters in the exact style and the exact specifications that you require. We seamlessly integrate with all aspects of the project, from start to finish, which is why we have become the best shutter for the best value and with the easiest total process.  
We offer the industry's best warranty on our polymer composite shutters as well as our aluminum Bahama shutter. We use a revolutionary process that creates the most technologically advanced shutters, which are more durable and more customizable than anything else on the market.  
No matter how intricate the details are - we are master shutter builders and are proud to deliver master quality. We stand behind our work and believe that our products tell the story of our passion, energy, and attention to detail. New Horizon Shutters is the answer for all your shutter needs!

1. GENERAL
   1. RELATED SECTIONS
      1. Functional exterior shutters.
      2. Exterior shutter hardware.
   2. RELATED SECTIONS
      1. Section 09 90 00 - Painting and Coating.
   3. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. ASTM International (ASTM):
       1. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus.
    2. American Architectural Manufacturers Association (AAMA):
       1. AAMA 2605 - Superior Performance Metal Finishes.
  1. SUBMITTALS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
    2. Shop Drawings: Show materials, layout, dimensions, profiles, fasteners and anchors, hardware, finishes, and interface with adjacent construction.
    3. 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.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's 26 standard colors or Custom Colors.
    2. Verification Samples: For each finish product specified, one sample, minimum size 12 inches (305 mm) square, representing actual product, color, and textures.
  1. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum five years documented experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum two years documented experience with projects of similar scope and complexity.
     3. Source Limitations: Provide each type of product from a single manufacturing source to ensure uniformity.

\*\* NOTE TO SPECIFIER \*\* Include mock-up if the project size or quality warrant the expense. The following is one example of how a mock-up on might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Construct a mock-up with actual materials in sufficient time for Architect's review and to not delay construction progress. Locate mock-up as acceptable to Architect and provide temporary foundations and support.
       1. Intent of mock-up is to demonstrate quality of workmanship and visual appearance.
       2. If mock-up is not acceptable, rebuild mock-up until satisfactory results are achieved.
       3. Retain mock-up during construction as a standard for comparison with completed work.
       4. Do not alter or remove mock-up until work is completed or removal is authorized.
  1. DELIVERY, STORAGE, AND HANDLING

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Deliver materials to site in manufacturer's original, unopened packaging, with labels clearly identifying product name and manufacturer.
    2. Store materials in a clean, cool, and dry area in an upright position and in accordance with manufacturer's instructions. Do not leave unopened shutters in extreme heat and direct sunlight.
    3. Protect materials during handling and installation to prevent damage.
  1. PROJECT CONDITIONS
     1. 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.
  2. WARRANTY
     1. Warranty is limited to original purchaser. This is not to supersede warranty available on our website.

\*\* NOTE TO SPECIFIER \*\* Delete warranty options not required.

* + - 1. Residential Application Warranty:
         1. Deep South Architectural Series Shutters:

Limited Lifetime Warranty: Structural components and finish under normal weather conditions.

* + - * 1. Artisan Architectural Series Shutters:

Limited Lifetime Warranty: Structural components and finish under normal weather conditions.

* + - * 1. Classic Architectural Series Shutters:

Limited Lifetime Warranty: Structural components and finish under normal weather conditions.

* + - * 1. E-Class Series Shutters:

Warranty: 15 years on structural components and finish under normal weather conditions.

* + - 1. Commercial and Rental Application Warranty:
         1. Warranty: 10 years on structural components and finish under normal weather conditions.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: New Horizon Shutters International, LLC, which is located at: 7259 Spa Rd. Suite A; North Charleston, SC 29418; Tel: 843-797-7762; Email: [request info (info+arcat@newhorizonshutters.com)](https://admin.arcat.com/users.pl?action=UserEmail&company=New+Horizon+Shutters+International,+LLC&coid=52132&rep=&fax=&message=RE:%20Spec%20Question%20(10713nhs):%20%20&mf=); Web: <https://www.newhorizonshutters.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. PERFORMANCE AND DESIGN REQUIREMENTS

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Thermal Stability: High impact polystyrene (HIPS) and/or aluminum structural louvers finished with Sherwin Williams two-part Polyurethane Enamel are thermally stable up to 200 degrees F (94 degrees C).
    2. Thermal Stability: reinforced aluminum structural louvers for wider spans up to 48 inches ( mm) and vertical stiles finished with Sherwin Williams two-part Polyurethane Enamel thermally stable up to 800 degrees F (427 degrees C).
    3. Shutter Finish: Certified to AAMA 2605 specifications.
    4. Thermal Stability: Structural Expanded Foam PVC horizontal rails and shutter core finished with Sherwin Williams two-part Polyurethane Enamel thermally stable up to 200 degrees F (94 degrees C) withASTM C177 and class A fire rating.
  1. SHUTTERS

\*\* NOTE TO SPECIFIER \*\* The following descriptions represent examples of the types of raised panel, louvered, board and batten, combination, and Bahama shutters that are offered by New Horizon Shutters International LLC. Shutters are available with custom design options. Delete the following products and options that are not required. If more than one type of shutter is required, be sure to indicate where each is to be used, either by specifying the locations for each or by giving each a unique name that can be referenced on the Drawings.

* + 1. Shutter Style: Raised Panel by New Horizon Shutters International LLC.
       1. Fabrication: Structural Expanded Foam PVC.
          1. Sheet machined and interlocked with reinforced aluminum structural vertical stiles.
       2. Finish: Sherwin Williams 2-part Polyurethane Enamel, certified to AAMA 2605 specifications.

\*\* NOTE TO SPECIFIER \*\* Delete Shutter Series paragraphs not required.

* + - 1. Series: Deep South Architectural.
         1. Thickness of Finished Shutter: 1-3/4 inch (44.5 mm).
         2. Vertical Stile Width: 2 inch (51 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Recessed flat panel.

Custom rail location.

Custom rail sizes.

Arch or radius top.

V-Groove flat panel.

V-Groove framed recessed panel. Vertical V-Groove.

V-Groove framed recessed panel. Diagonal V-Groove.

Cut out.

Vertical Stile Width: 4 inch (102 mm).

Bifold.

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: Artisan Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Vertical Stile Width: 2-1/2 (64 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Recessed flat panel.

Custom rail location.

Custom rail sizes.

Arch or radius top.

V-Groove framed recessed panel. Vertical V-Groove.

V-Groove framed recessed panel. Diagonal V-Groove.

Cut out.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: Classic Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Vertical Stile Width: 2-1/2 (64 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Recessed flat panel.

Custom rail location.

Custom rail sizes.

Arch or radius top.

V-Groove flat panel.

V-Groove framed recessed panel. Vertical V-Groove.

V-Groove framed recessed panel. Diagonal V-Groove.

Cut out.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Impact rated.

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: E-Class:
         1. Thickness of Finished Shutter: 1 inch (25 mm).
         2. Vertical Stile Width: 2 inch (51 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel).

Custom rail location.

Custom rail sizes.

Arch or radius top.

Cut out.

Bifold.

Horns: 3/4 inch (19 mm).

\*\* NOTE TO SPECIFIER \*\* Shutters are available in widths of 8 to 48 inches in 1/16 inch increments. Larger sizes are available upon request. Insert size required. If more than one size is required indicate sizes on the Drawings. Delete width paragraph not required.

* + - 1. Width: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Width: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Shutters are available in heights of 12 to 120 inches in 1/16 inch increments. Larger sizes are available upon request. Insert size required. If more than one size is required indicate sizes on the Drawings. Delete height paragraph not required.

* + - 1. Height: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Height: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete color options not required.

* + - 1. Color: Bahama Blue 113.
      2. Color: Black 125.
      3. Color: Black Forest Green 122.
      4. Color: Board and Batten Red 110.
      5. Color: Bordeaux 111.
      6. Color: Charleston Green (New) 123.
      7. Color: Charleston Green (Old) 124.
      8. Color: Chelsea Gray 105.
      9. Color: Classic White 101.
      10. Color: Deep Sea Blue 116.
      11. Color: Driftwood 103.
      12. Color: Essex Green 119.
      13. Color: Evergreen 120.
      14. Color: Federal Brown 109.
      15. Color: Forest Green 118.
      16. Color: Hamilton Blue 115.
      17. Color: Hunter Green 117.
      18. Color: Pewter 104.
      19. Color: Polished Mahogany 112.
      20. Color: Quaker Bronze 108.
      21. Color: Roycroft Bottle Green 121.
      22. Color: Roycroft Pewter 106.
      23. Color: Stratford Blue 114.
      24. Color: Tricorn Black 126.
      25. Color: Weathered Shingle 107.
      26. Color: White 102.
      27. Color: Custom color as selected.
    1. Shutter Style: Louver Shutters by New Horizon Shutters International LLC.
       1. Fabrication:
          1. Structural Vertical Stiles: Reinforced aluminum.
          2. Horizontal Rails: Structural expanded foam PVC horizontal rails.

Machined and interlocked with structural vertical stiles.

* + - * 1. Structural Louvers: High impact polystyrene and/or aluminum.
      1. Finish: Sherwin Williams 2-part Polyurethane Enamel, certified to AAMA 2605 specifications.

\*\* NOTE TO SPECIFIER Delete shutter series paragraphs not required.

* + - 1. Series: Deep South Architectural.
         1. Thickness of Finished Shutter: 1-3/4 inch (44.5 mm).
         2. Louver Size: 2 inch (51 mm). Rounded.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Vertical Stile Width: 4 inch (102 mm).

Decorative tilt rod.

Bifold.

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: Artisan Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 2 inch (51 mm). Flat-edged.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Copper cap.

Vertical center stile.

Bead surrounding louver sections.

Diagonal louver.

Custom make.

* + - 1. Series: Classic Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 1-1/2 inch (51 mm), Rounded.
         3. Vertical Stile Width: 2-1/2 (64 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Decorative tilt rod.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Impact rated.

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: E-Class.
         1. Thickness of Finished Shutter: 1 inch (25 mm).
         2. Louver Size: 1-1/4 inch (32 mm). Rounded.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel).

Custom rail location.

Custom rail sizes.

Solid panel arch or radius top.

Decorative tilt rod.

Bifold.

Horns: 3/4 inch (19 mm).

\*\* NOTE TO SPECIFIER \*\* Shutters are available in widths of 8 to inches in 1/8 inch increments. Larger sizes are available upon request. Insert size required. If more than one size is required indicate sizes on the Drawings. Delete width paragraph not required.

* + - 1. Width: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Width: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Shutters are available in heights of 12 to 120 inches in 1/ inch increments. Larger custom sizes are available upon request. Insert size required. If more than one size is required indicate sizes on the Drawings. Delete height paragraph not required.

* + - 1. Height: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Height: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete color paragraphs not required.

* + - 1. c Bahama Blue 113.
      2. Color: Black 125.
      3. Color: Black Forest Green 122.
      4. Color: Board & Batten Red 110.
      5. Color: Bordeaux 111.
      6. Color: Charleston Green (New) 123.
      7. Color: Charleston Green (Old) 124.
      8. Color: Chelsea Gray 105.
      9. Color: Classic White 101.
      10. Color: Deep Sea Blue 116.
      11. Color: Driftwood 103.
      12. Color: Essex Green 119.
      13. Color: Evergreen 120.
      14. Color: Federal Brown 109.
      15. Color: Forest Green 118.
      16. Color: Hamilton Blue 115.
      17. Color: Hunter Green 117.
      18. Color: Pewter 104.
      19. Color: Polished Mahogany 112.
      20. Color: Quaker Bronze 108.
      21. Color: Roycroft Bottle Green 121.
      22. Color: Roycroft Pewter 106.
      23. Color: Stratford Blue 114.
      24. Color: Tricorn Black 126.
      25. Color: Weathered Shingle 107.
      26. Color: White 102.
      27. Color: Custom color as selected by the Architect.
    1. Shutter Style: Board and Batten Shutters by New Horizon Shutters International LLC.
       1. Fabrication: Structural Expanded Foam PVC sheet machined.
          1. Structural Vertical Stiles: Reinforced aluminum.
       2. Finish: Sherwin Williams 2-part Polyurethane Enamel, certified to AAMA 2605 specifications.

\*\* NOTE TO SPECIFIER \*\* Delete shutter series paragraphs not required.

* + - 1. Series: Deep South Architectural.
         1. Thickness of Finished Shutter: 2-1/4 inch (57 mm).
         2. Vertical Stile Width: 2 inch (51 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard panel.

Z-bar (cross buck).

Extra batten.

No battens.

Arch or radius top.

Cut out.

4 inch (102 mm) width vertical stile.

Bifold.

Copper Cap.

* + - 1. Series: Classic Architectural.
         1. Thickness of Finished Shutter: 1-3/4 inch (44.5 mm).
         2. Vertical Stile Width: 2-1/2 (64 mm).
         3. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required for project.

Standard panel.

Z-bar (cross buck).

Extra batten.

No battens.

Arch or radius top.

Cut out.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Impact rated.

Copper cap.

* + - 1. Series: E-Class.
         1. Thickness of Finished Shutter: 2 inch (51 mm).
         2. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required for project.

Standard panel.

Z-bar (cross buck).

Extra batten.

No battens.

Arch or radius top.

Cut out.

Bifold.

Horns: 3/4 inch (19 mm).

\*\* NOTE TO SPECIFIER \*\* Shutters are available in widths of 8 inches to 48" in 1/ inch increments. Larger custom sizes are available upon request. Insert size required or if more than one size is required indicate sizes on the drawings. Select one of the following paragraphs for the width required. Delete the paragraph not required.

* + - 1. Width: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Width: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Shutters are available in heights of 12 inches to 120 inches in 1/ inch increments. Larger custom sizes are available upon request. Insert size required or if more than one size is required indicate sizes on the drawings. Select one of the following paragraphs for the height required. Delete the paragraph not required.

* + - 1. Height: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Height: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs for the color required. Delete the paragraphs not required.

* + - 1. Color: Bahama Blue 113.
      2. Color: Black 125.
      3. Color: Black Forest Green 122.
      4. Color: Board & Batten Red 110.
      5. Color: Bordeaux 111.
      6. Color: Charleston Green (New) 123.
      7. Color: Charleston Green (Old) 124.
      8. Color: Chelsea Gray 105.
      9. Color: Classic White 101.
      10. Color: Deep Sea Blue 116.
      11. Color: Driftwood 103.
      12. Color: Essex Green 119.
      13. Color: Evergreen 120.
      14. Color: Federal Brown 109.
      15. Color: Forest Green 118.
      16. Color: Hamilton Blue 115.
      17. Color: Hunter Green 117.
      18. Color: Pewter 104.
      19. Color: Polished Mahogany 112.
      20. Color: Quaker Bronze 108.
      21. Color: Roycroft Bottle Green 121.
      22. Color: Roycroft Pewter 106.
      23. Color: Stratford Blue 114.
      24. Color: Tricorn Black 126.
      25. Color: Weathered Shingle 107.
      26. Color: White 102.
      27. Color: Custom as selected.
    1. Shutter Style: Combination Shutters by New Horizon Shutters International LLC.
       1. Fabrication:
          1. Structural Vertical Stiles: Reinforced aluminum.
          2. Horizontal Rails: Structural expanded foam PVC horizontal rails.

Machined and interlocked with structural vertical stiles.

* + - * 1. Structural Louvers: High impact polystyrene and/or aluminum.
      1. Finish: Sherwin Williams 2-part Polyurethane Enamel, certified to AAMA 2605 specifications.

\*\* NOTE TO SPECIFIER \*\* Delete shutter series paragraphs not required.

* + - 1. Series: Deep South Architectural.
         1. Thickness of Finished Shutter: 1-3/4 inch (44.5 mm).
         2. Louver Size: 2 inch (51 mm). Rounded.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Vertical Stile Width: 4 inch (102 mm).

Decorative tilt rod.

Bifold.

Copper cap.

Vertical center stile.

Custom make.

* + - 1. Series: Artisan Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 2 inch (51 mm). Flat-edged.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete the Options not required for project.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Decorative tilt rod.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm).

Copper cap.

Vertical center stile.

Bead surrounding louver sections.

Diagonal louver.

Custom make.

* + - 1. Series: Classic Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 1-1/2 inch (51 mm), Rounded.
         3. Vertical Stile Width: 2-1/2 (64 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Standard two panel.

Single panel.

Extra panel (3 panel or 4 panel).

Custom rail location.

Custom rail sizes.

Custom louver spacing.

Full louver or solid panel arch or radius top.

Decorative tilt rod.

Rabbeted stile.

Bifold.

Horns: 3/4 inch (19 mm) horns.

Impact rated.

Copper Cap.

Vertical center stile.

Custom make.

\*\* NOTE TO SPECIFIER \*\* Shutters are available in widths of inches to 48" in 1/8 inch increments. Larger custom sizes are available upon request. Insert size required or if more than one size is required indicate sizes on the drawings. Select one of the following paragraphs for the width required. Delete the paragraph not required.

* + - 1. Width: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Width: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Shutters are available in heights of 12 inches to 120 inches in 1/ inch increments. Larger custom sizes are available upon request. Insert size required or if more than one size is required indicate sizes on the drawings. Select one of the following paragraphs for the height required. Delete the paragraph not required.

* + - 1. Height: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Height: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Select one of the following paragraphs for the color required. Delete the paragraphs not required.

* + - 1. Color: Bahama Blue 113.
      2. Color: Black 125.
      3. Color: Black Forest Green 122.
      4. Color: Board & Batten Red 110.
      5. Color: Bordeaux 111.
      6. Color: Charleston Green (New) 123.
      7. Color: Charleston Green (Old) 124.
      8. Color: Chelsea Gray 105.
      9. Color: Classic White 101.
      10. Color: Deep Sea Blue 116.
      11. Color: Driftwood 103.
      12. Color: Essex Green 119.
      13. Color: Evergreen 120.
      14. Color: Federal Brown 109.
      15. Color: Forest Green 118.
      16. Color: Hamilton Blue 115.
      17. Color: Hunter Green 117.
      18. Color: Pewter 104.
      19. Color: Polished Mahogany 112.
      20. Color: Quaker Bronze 108.
      21. Color: Roycroft Bottle Green 121.
      22. Color: Roycroft Pewter 106.
      23. Color: Stratford Blue 114.
      24. Color: Tricorn Black 126.
      25. Color: Weathered Shingle 107.
      26. Color: White 102.
      27. Color: Custom color as selected.
    1. Shutter Style: Bahama (Bermuda) Shutters by New Horizon Shutters International LLC.
       1. Fabrication:
          1. Structural Vertical Stiles: Reinforced aluminum.
          2. Vertical Mullions: Structural expanded foam PVC sheet.

Machined and interlocked with reinforced aluminum structural vertical stiles.

* + - * 1. Horizontal Rails: Structural expanded foam PVC
        2. Structural Louvers: High impact polystyrene and/or aluminum
      1. Finish: Sherwin Williams 2-part Polyurethane Enamel, certified to AAMA 2605 specifications.

\*\* NOTE TO SPECIFIER \*\* Delete the series paragraphs not required.

* + - 1. Series: Deep South Architectural.
         1. Thickness of Finished Shutter: 1-3/4 inch (44.5 mm).
         2. Louver Size: 2 inch (51 mm). Rounded.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Additional rail.

Additional vertical mullions.

Custom louver spacing.

Custom louver angles.

Full louver arch or radius top.

Vertical Stiles 4 inch (102 mm) wide.

Decorative tilt rod.

Custom make.

* + - 1. Series: Artisan Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 2 inch (51 mm). Flat-edged.
         3. Vertical Stile Width: 2 inch (51 mm).
         4. Bead surrounding louver sections
         5. Options:

\*\* NOTE TO SPECIFIER \*\* Delete Options not required.

Additional rail.

Additional vertical mullions.

* + - 1. Series: Classic Architectural.
         1. Thickness of Finished Shutter: 1-1/4 inch (32 mm).
         2. Louver Size: 1-1/2 inch (51 mm), Rounded.
         3. Vertical Stile Width: 2-1/2 (64 mm).
         4. Options:

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

Additional rail.

Additional vertical mullions.

Custom louver spacing.

Custom louver angles.

Full louver arch or radius top.

Decorative tilt rod.

Custom make.

* + - 1. Width:

\*\* NOTE TO SPECIFIER \*\* Shutters are available in single panel widths of 7 to5 inches, double panel with vertical mullion widths of 14 to 90 inches, triple panel with vertical mullions width of 21 to 135 inches, and four panel with vertical mullions of 28 to 180 inches. Insert size required. If more than one size is required indicate sizes on Drawings. Delete width paragraphs not required.

* + - 1. Width; Single Panel: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Width; Double Panel with Vertical Mullion: \_\_\_\_\_ inch (\_\_\_\_ mm).
      3. Width; Triple Panel with Vertical Mullions: \_\_\_\_\_ inch (\_\_\_\_ mm).
      4. Width; Four Panel with Vertical Mullions: \_\_\_\_\_ inch (\_\_\_\_ mm).
      5. Width; As indicated on the Drawings.
      6. Height:

\*\* NOTE TO SPECIFIER \*\* Shutters are available in heights of 12 to inches in 1/8 inch increments. Insert size required. If more than one size is required indicate sizes on Drawings. Delete height paragraph not required.

* + - 1. Height: \_\_\_\_\_ inch (\_\_\_\_ mm).
      2. Height: As indicated on the Drawings.

\*\* NOTE TO SPECIFIER \*\* Delete color paragraphs not required.

* + - 1. Color: Bahama Blue 113.
      2. Color: Black 125.
      3. Color: Black Forest Green 122.
      4. Color: Board & Batten Red 110.
      5. Color: Bordeaux 111.
      6. Color: Charleston Green (New) 123.
      7. Color: Charleston Green (Old) 124.
      8. Color: Chelsea Gray 105.
      9. Color: Classic White 101.
      10. Color: Deep Sea Blue 116.
      11. Color: Driftwood 103.
      12. Color: Essex Green 119.
      13. Color: Evergreen 120.
      14. Color: Federal Brown 109.
      15. Color: Forest Green 118.
      16. Color: Hamilton Blue 115.
      17. Color: Hunter Green 117.
      18. Color: Pewter 104.
      19. Color: Polished Mahogany 112.
      20. Color: Quaker Bronze 108.
      21. Color: Roycroft Bottle Green 121.
      22. Color: Roycroft Pewter 106.
      23. Color: Stratford Blue 114.
      24. Color: Tricorn Black 126.
      25. Color: Weathered Shingle 107.
      26. Color: White 102.
      27. Color: Custom color as selected.
  1. HARDWARE

\*\* NOTE TO SPECIFIER \*\* The following paragraph refers to hardware for Raised Panel, Louver, Combination, or Board and Batten Shutters. Delete hardware items not required. If different groups of hardware are required for selected shutters, indicated required products on the Drawings or in the specification. Delete paragraph if not required.

* + 1. Hardware: Raised Panel, Louver, Combination, or Board and Batten Shutters.

\*\* NOTE TO SPECIFIER \*\* Delete pintel paragraphs and offsets not required.

* + - 1. Pintel Plate Size: 1-1/2 x 1/8 inch (38 x 3 mm). Provide in same size pairs.
         1. Pin Diameter: 3/8 inch (10 mm).
         2. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         3. Offsets: 1/2 inch (13 mm).
         4. Offsets: 1-1/2 inch (38 mm).
         5. Offsets: 2-1/4 inch (57 mm).
         6. Offsets: 3-1/4 inch (83 mm).
      2. Pintel Plate Size: 3/4 x 1/8 inch (19 x 3 mm). Provide in same size pairs.
         1. Pin Diameter: 3/8 inch (10 mm).
         2. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         3. Offsets: 1/2 inch (13 mm).
         4. Offsets: 1-1/2 inch (38 mm).
         5. Offsets: 2-1/4 inch (57 mm).
         6. Offsets: 3-1/4 inch (83 mm).
      3. Lag Pintel: 6 inch (152 mm). Provide in same size pairs.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Jamb Pintel (Leaf Pintel): Provide in same size pairs.
         3. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         4. Offsets: 1-1/4 inch (32 mm).
         5. Offsets: 2-1/4 inch (57 mm).

\*\* NOTE TO SPECIFIER \*\* Delete hinge paragraphs and offsets not required.

* + - 1. L-Hinge: 6 inch (152 mm). Provide in same size pairs.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Offsets: 0 inch (flat).
         3. Offsets: 1/2 inch (13 mm).
         4. Offsets: 1-1/2 inch (38 mm).
         5. Offsets: 1-3/4 inch (45 mm).
         6. Offsets: 2-1/4 inch (57 mm).
      2. Strap Hinge: 10 inch (254 mm): Provide in same size pairs.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Offsets: 0 inch (flat).
         3. Offsets: 1/2 inch (13 mm).
         4. Offsets: 1-1/2 inch (38 mm).
         5. Offsets: 1-3/4 inch (45 mm).
         6. Offsets: 2-1/4 inch (57 mm).
      3. Strap Hinge: 12-inch (305 mm). Provide in same size pairs.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Offsets: 1/2 inch (13 mm).
      4. Flat Hinge (center hinge): Provide in same size pairs.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Offsets: 0 inch (flat).
         3. Offsets: 1/2 inch (13 mm).
         4. Offsets: 1-3/4 inch (45 mm).
         5. Offsets: 2-1/4 inch (57 mm).

\*\* NOTE TO SPECIFIER \*\* Delete holdback paragraphs not required.

* + - 1. Holdback: S style.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Material: Type 304 Stainless Steel lag bolt.
      2. Holdback: Acorn style.
         1. Material: Type 304 Stainless steel.
      3. Holdback: Rat Tail style.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
      4. Holdback: Propeller style.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
      5. Holdback: 15 inch Hook and Eye Screw
         1. Material: Galvanized Carbon steel.
      6. Holdback: 22 inch Hook and Eye Plate Mount.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.

\*\* NOTE TO SPECIFIER \*\* Delete shutter lock paragraphs not required.

* + - 1. Shutter Lock: Slide Bolt, 12-inch (305 mm).
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
      2. Shutter Lock: Barrel Bolt, 4 inch (102 mm).
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
      3. Shutter Lock: Cane Bolt.
         1. Type 304 Stainless Steel.
      4. Shutter Lock: 4 inch Hook and Eye Plate Mount.
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
      5. Pull Ring:
         1. Material: Type 304 Stainless Steel. Finish: Matte black powder coat.
         2. Plate mount.
      6. Fixed Mounting Bracket: Material: Clear polycarbonate,
      7. Pintel Shim: Stackable, black polyamide plastic, 1/4 inch (6 mm) thick.
    1. Hardware: Bahama Shutters.

\*\* NOTE TO SPECIFIER \*\* Select hardware required from the following paragraphs. If different groups of hardware are required for selected shutters, indicated required products on the Drawings or in the specification. Delete paragraph if not required.

* + - 1. Male Hinge: Plate size: 1-1/8 inch (28 mm) backplate.
      2. Female Hinge: Standard.
         1. Plate Size: 1-1/4 inch (32 mm) with 1/4 inch (6 mm) lip.
         2. Projection: 2-3/8 inch (60 mm).
      3. Female Hinge: One inch build out.
         1. Plate Size: 1-1/4 inch (32 mm) with 1/4 inch (6 mm) lip.
         2. Projection: 3-3/8 inch (86 mm).
      4. Female Hinge: Lintel.
         1. Plate Size: 3-3/8 inch (86 mm) with 1/4 inch (6 mm) lip.
         2. Projection: 0 inch (0 mm).
      5. Standoff Rods: Material: Aluminum.
         1. End Caps: Nylon
         2. End Caps: Type 304 stainless steel.
         3. Deck hinges. Eye end sets.
      6. Standoff Rods: Telescoping. Material: Aluminum .
      7. Standoff Rods: Square. Material: Aluminum. Deck Hinges: Aluminum with pin or bolt.
      8. Standoff Rods: Material: Type 304 Stainless steel. Clevis pins.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until shutters have been properly prepared.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Adjust operable units for smooth unobstructed operation.
   4. PROTECTION
      1. Protect installed products from damage by weather and other work until Date of Substantial Completion.
      2. Touch-up and repair damaged products before Date of Substantial Completion.

END OF SECTION