

SECTION 06446

ARCHITECTURAL COMPOSITE COLUMNS

For best results, display hidden notes to specifier.

TOOLS / OPTIONS / VIEW / HIDDEN TEXT

\*\* NOTE TO SPECIFIER \*\* HB&G; Architectural Composite Columns, Caps, And Bases.

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This section is based on the products of HB&G, which is located at:

P.O. Box 589

Troy, AL 36081

Tel: (334) 566-5000

Tel: (800) 264-4424

Fax: (334) 566-4629

www.hbgcolumns.com

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At HB&G**,** we've served the building industry with high quality products since 1880. We are in fact pioneers in column manufacturing, with specially engineered, patented production machinery, producing round and square columns, both plain and fluted.

* 1. SECTION INCLUDES

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

* + 1. Columns: HB&G PermaCast Load-bearing columns; fiber-reinforced polymer composite; weatherproof, insect-proof, and highly durable.
    2. Columns: HB&G PermaWrap Cellular Polyvinyl Chloride (PVC) columns; decorative, weatherproof, insect-proof, and highly durable.
    3. Decorative Capitals and Bases: To fit over shaft through center of capital and base without affecting height of the column, except for "ornate" styles of capitals for round columns.
    4. Materials for column installation.
  1. RELATED SECTIONS

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

* + 1. Section 06100 - Rough Carpentry: Wood framing.
    2. Section 06441 - Architectural Wood Columns.
  1. SUBMITTALS
     1. Submit under provisions of Section 01300.
     2. 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.
     3. Shop Drawings: For custom products, show dimensions, configuration, and anchorages.

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

* + 1. Selection Samples: Two complete sets of color photographs representing manufacturer's full range of available materials and styles.
  1. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
     2. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
  2. 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.
  3. WARRANTY
     1. At project closeout, provide to Owner or Owners Representative a copy of the manufacturer’s limited warranty outlining its terms and conditions.

\*\* NOTE TO SPECIFIER \*\* Select Warranty Duration. PermaCast carries a lifetime warranty, PermaWrap carries a ten year warranty. Delete one of the next two paragraphs.

* + - 1. Duration: Lifetime limited warranty extended to original owner.
      2. Duration: Ten (10) years.

* + 1. Free from defects in material and workmanship for "lifetime" of ownership. Installation must be per manufacturer's guidelines. "Lifetime" means as long as purchaser of column owns the structure to which column is attached".
    2. Free from defects in material and workmanship for "lifetime" of ownership. Installation must be per manufacturer's guidelines. "Lifetime" means "as long as purchaser of column owns the structure to which column is attached".

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: HB&G, which is located at: P. O. Box 589 ; Troy, AL 36081; Toll Free Tel: 800-264-4424; Tel: 334-566-5000; Fax: 334-566-4629; Email: [info@hbgcompanies.com](mailto:info@hbgcompanies.com); Web: [www.hbgcolumns.com](http://www.hbgcolumns.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 01600.

\*\* NOTE TO SPECIFIER \*\* Round columns are only available as PermaCast. Delete if not specified.

* 1. LOAD BEARING COLUMNS - ROUND TAPERED
     1. PermaCast Column:

\*\* NOTE TO SPECIFIER \*\* Delete all but one height. If more than one height is required for the project, indicate clearly where each will be used.

- 6-foot (1829 mm) available from 6 inches (152 mm) and 8 inches (203 mm).

- 8-foot (3048 mm) available from 6 inches (152 mm) to 16 inches (406 mm).

- 9-foot (2743 mm) available from 8 inches (203 mm) to 14 inches (356 mm).

-10-foot (3048 mm) available from 8 inches (203 mm) to 18 inches (457 mm).

- 12-foot (3658 mm) available from 10 inches (254 mm) to 18 inches (457 mm).

- 14-foot (4267 mm) available from 10 inches (254 mm) to 18 inches (457 mm) and 24 inches (610 mm).

- 16-foot (4877 mm) available from 12 inches (305 mm) to 24 inches (610 mm).

- 18-foot (5486 mm) available from 12 inches (305 mm) to 24 inches (610 mm).

- 20-foot (6096 mm) available from 16 inches (406 mm) to 30 inches (762 mm).

- 22-foot (6706 mm) available from 18 inches (457 mm) to 30 inches (762 mm).

- 24-foot (7315 mm) available from 18 inches (457 mm) to 22 inches (559 mm).

- 26-foot (7925 mm) available from 18 inches (457 mm) to 30 inches (762 mm).

- 28-foot (8534 mm) available from 24 inches (610 mm) to 30 inches (762 mm).

- 30-foot (9144 mm) available from 24 inches (610 mm) to 30 inches (762 mm).

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All round columns may be trimmed at least 24 inches (610 mm) with the following exceptions:

- 6 inch (152 mm) diameter by 6-foot (1829 mm) tall; maximum trim: 8 inches (203 mm).

- 14 inch (356 mm) diameter by 9-foot (2743 mm) tall; maximum trim: 12 inches (305 mm).

- 16 inch (406 mm) diameter by 8-foot (3048 mm) tall; maximum trim: 16 inches (406 mm).

- 18 inch (457 mm) diameter by 10-foot (3048 mm) tall; maximum trim: 6 inches (152 mm).

* + - 1. Height: 6 feet (1829 mm).
      2. Height: 8 feet (3048 mm).
      3. Height: 9 feet (2743 mm).
      4. Height: 10 feet (3048 mm).
      5. Height: 12 feet (3658 mm).
      6. Height: 14 feet (4267 mm).
      7. Height: 16 feet (4877 mm).
      8. Height: 18 feet (5486 mm).
      9. Height: 20 feet (6096 mm).
      10. Height: 22 feet (6706 mm).
      11. Height: 24 feet (7315 mm).
      12. Height: 26 feet (7925 mm).
      13. Height: 28 feet (8534 mm).
      14. Height: 30 feet (9144 mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 6 inches (152 mm) diameter; load limit: 8,000 pounds (3629 kg) per column.
      2. Size: 8 inches (203 mm) diameter; load limit: 10,000 pounds (4536 kg) per column.
      3. Size: 10 inches (254 mm) diameter; load limit: 14,000 pounds (6350 kg) per column.
      4. Size: 12 inches (305 mm) diameter; load limit: 18,000 pounds (8165 kg) per column.
      5. Size: 14 inches (356 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      6. Size: 16 inches (406 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      7. Size: 18 inches (457 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      8. Size: 22 inches (559 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      9. Size: 24 inches (610 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      10. Size: 30 inches (762 mm) diameter; load limit: 20,000 pounds (9072 kg) per column.
      11. Tapering: One-third, two-thirds entasis.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two textures. Fluted columns are only available for columns sized 8 inches (203 mm), 10 inches (254 mm), or 12 inches (305 mm). If more than one texture is required for the project, indicate on the Contract Drawings where each will be used.

* + - 1. Texture: Smooth.
      2. Texture: Fluted.

\*\* NOTE TO SPECIFIER \*\* Split columns are optional; delete one or both of the following two split styles, as required. If using both split and solid columns, or both styles of split columns, indicate clearly where each will be used. Split columns are NOT load-bearing; they are used for visual continuity or decoration, along a wall and at wall corners. Caps and bases for split columns must be split as well. Split kit provided with each split column, consisting of adhesive, tie straps, fastening plates, and screws.

* + - 1. Split Columns: 3/4 column (corner column),half column (wall column), where indicated.
    1. Capitals and Bases:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles of capitals. If more than one style of capital is required for the project, indicate clearly where each will be used. Colonial is also called "economy", and is recommended only when aesthetics are not a priority. It is available for column sizes 6 inches (152 mm) to 12 inches (305 mm).

* + - 1. Capital: Colonial.
      2. Capital: Tuscan.

\*\* NOTE TO SPECIFIER \*\* The following styles of capitals are "ornate". These will affect the height of the column.

* + - 1. Capital: Roman Ionic.
      2. Capital: Greek Ionic.
      3. Capital: Temple of the Winds.
      4. Capital: Roman Corinthian.
      5. Capital: Scamozzi.

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles of bases. If more than one style is required for the project, indicate clearly where each will be used. Colonial is also called "economy", and is recommended only when aesthetics are not a priority. It is available for column sizes 6 inches (152 mm) to 12 inches (305 mm).

* + - 1. Base: Colonial.
      2. Base: Tuscan.
      3. Base: Attic, Torus and Plinth.
      4. Base: Attic, Torus only.

\*\* NOTE TO SPECIFIER \*\* This is a high-traffic durable base. It is available for column sizes 8 inches (203 mm) to 12 inches (305 mm).

* + - 1. Base: Tuscan, fiberglass.

\*\* NOTE TO SPECIFIER \*\* Delete if not using split columns.

* + - 1. Split Columns: Provide split capitals and bases to match.
  1. LOAD BEARING COLUMNS - SQUARE
     1. PermaCast Column:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following heights. If more than one height is required, indicate clearly where each will be used.

- 6-foot (1829 mm) columns available in 6 inch (152 mm) and 8 inch (203 mm).

- 8-foot (3048 mm) columns available in 6 inch (152 mm) to 16 inch (406 mm).

- 10-foot (3048 mm) columns available in 6 inch (152 mm) to 16 inch (406 mm).

- 12-foot (3658 mm) columns available in 8 inch (203 mm) to 16 inch (406 mm).

- 14-foot (4267 mm) columns available in 10 inch (254 mm) to 16 inch (406 mm).

- 16-foot (4877 mm) columns available in 10 inch (254 mm) to 16 inch (406 mm).

- 18-foot (5486 mm) columns available in 12 inch (305 mm) to 16 inch (406 mm).

- 20-foot (6096 mm) columns available in 16 inch (406 mm).

* + - 1. Height: 6 feet (1829 mm).
      2. Height: 8 feet (2438 mm).
      3. Height: 10 feet (3048 mm).
      4. Height: 12 feet (3658 mm).
      5. Height: 14 feet (4267 mm).
      6. Height: 16 feet (4877 mm).
      7. Height: 18 feet (5486 mm).
      8. Height: 20 feet (6096 mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 6 inches (152 mm) square; load limit: 8,000 pounds (3629 kg) per column
      2. Size: 8 inches (203 mm) square; load limit: 10,000 pounds (4536 kg) per column.
      3. Size: 10 inches (254 mm) square; load limit: 14,000 pounds (6350 kg) per column.
      4. Size: 12 inches (305 mm) square; load limit: 18,000 pounds (8165 kg) per column.
      5. Size: 16 inches (406 mm) square; load limit: 20,000 pounds (9072 kg) per column.

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two textures. If more than one texture is required for the project, indicate clearly where each will be used. Fluted columns are only available for columns sized 8 inches (203 mm) diameter by 8 feet (2438 mm) high, 8 inches (203 mm) diameter by 10 feet (3048 mm) high, and 10 inches (254 mm) diameter by 10 feet (3048 mm) high.

* + - 1. Texture: Smooth.
      2. Texture: Fluted.

\*\* NOTE TO SPECIFIER \*\* Split columns are optional; delete one or both of the following two split styles, as required. If using both split and solid columns, or both styles of split columns, indicate clearly where each will be used. Split columns are NOT load-bearing; they are used for visual continuity or decoration, along a wall and at wall corners. Caps and bases for split columns must be split as well. Split kit provided with each split column, consisting of adhesive, tie straps, fastening plates, and screws.

* + - 1. Split Columns: 3/4 column (corner column), and half column (wall column), where indicated.
    1. Capitals and Bases:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles. If more than one style is required for the project, indicate clearly where each will be used. Colonial is also called "economy", and is recommended only when aesthetics are not a priority. It is available for column sizes 6 inches (152 mm) to 12 inches (305 mm).

* + - 1. Capital: Colonial.
      2. Capital: Tuscan.
      3. Capital: Roman Ionic.
      4. Capital: Scamozzi.

\*\* NOTE TO SPECIFIER \*\* The following styles are not available for fluted columns.

* + - 1. Capital: Greek Ionic.
      2. Capital: Temple of the Winds.
      3. Capital: Roman Corinthian.

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles. If more than one style is required for the project, indicate clearly where each will be used.

* + - 1. Bases: Tuscan.
      2. Bases: Attic, Torus and Plinth.
      3. Bases: Attic, Torus only.

\*\* NOTE TO SPECIFIER \*\* Delete if not using split columns.

* + - 1. Split Columns: Provide split capitals and bases to match.
  1. DECORATIVE COLUMNS
     1. PermaWrap Column - Plain:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following heights. If more than one height is required, indicate clearly where each will be used.

- 8-foot (3048 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 10-foot (3048 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 12-foot (3658 mm) columns available in 8 inch (203 mm) to 12 inch (305 mm).

* + - 1. Height: 8 feet (2438 mm).
      2. Height: 10 feet (3048 mm).
      3. Height: 12 feet (3658 mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 6 inches (152 mm) square.
      2. Size: 8 inches (203 mm) square.
      3. Size: 10 inches (254 mm) square.
      4. Size: 12 inches (305 mm) square.

\*\* NOTE TO SPECIFIER \*\* Select Panel Thickness based on column height. 3/8 inch for columns up to 10 feet in height, 5/8 inch is for 12 foot columns.

* + - 1. Panel Thickness: 3/8 inch (10mm).
      2. Panel Thickness: 5/8 inch (15mm).

\*\* NOTE TO SPECIFIER \*\* Select assembly type. Delete two of the next three paragraphs.

* + - 1. Assembly Type: Flat Stock.
      2. Assembly Type: Assembled.
      3. Assembly Type: “L”-Assembly.
    1. PermaWrap Column - Textured:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following heights. If more than one height is required, indicate clearly where each will be used.

- 6-foot (1829 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 8-foot (3048 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 9-foot (3048 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 10-foot (3048 mm) columns available in 6 inch (152 mm) to 12 inch (305 mm).

- 12-foot (3658 mm) columns available in 8 inch (203 mm) to 12 inch (305 mm).

* + - 1. Height: 6 feet (1829 mm).
      2. Height: 8 feet (2438 mm).
      3. Height: 9 feet (2743 mm).
      4. Height: 10 feet (3048 mm).
      5. Height: 12 feet (3658 mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 6 inches (152 mm) square.
      2. Size: 8 inches (203 mm) square.
      3. Size: 10 inches (254 mm) square.
      4. Size: 12 inches (305 mm) square.
      5. Panel Thickness: 5/8 inch (15mm).

\*\* NOTE TO SPECIFIER \*\* Select Texture. Delete two of the next three paragraphs.

* + - 1. Texture: Fluted.

\*\* NOTE TO SPECIFIER \*\* Select number of flutes per side. Delete three of the next four paragraphs.

* + - * 1. Flutes per side: 3.
        2. Flutes per side: 5.
        3. Flutes per side: 7.
        4. Flutes per side: 8.
      1. Texture: Recessed Panel.
      2. Texture: Raised Panel.

\*\* NOTE TO SPECIFIER \*\* Select assembly type. Delete two of the next three paragraphs.

* + - 1. Assembly Type: Flat Stock.
      2. Assembly Type: Assembled.
      3. Assembly Type: “L”-Assembly.
    1. PermaWrap Column - Craftsman:

\*\* NOTE TO SPECIFIER \*\* Select Texture. Delete two of the next three paragraphs.

* + - 1. Texture: Fluted.
      2. Texture: Recessed Panel.
      3. Texture: Raised Panel.

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following heights. If more than one height is required, indicate clearly where each will be used.

- 6-foot (1829 mm) columns available in 6 inch (152 mm) and 8 inch (203 mm).

- 8-foot (3048 mm) columns available in 6 inch (152 mm) to 16 inch (406 mm).

- 10-foot (3048 mm) columns available in 6 inch (152 mm) to 16 inch (406 mm).

- 12-foot (3658 mm) columns available in 8 inch (203 mm) to 16 inch (406 mm).

- 14-foot (4267 mm) columns available in 10 inch (254 mm) to 16 inch (406 mm).

- 16-foot (4877 mm) columns available in 10 inch (254 mm) to 16 inch (406 mm).

- 18-foot (5486 mm) columns available in 12 inch (305 mm) to 16 inch (406 mm).

- 20-foot (6096 mm) columns available in 16 inch (406 mm).

* + - 1. Height: 54 inches (1371 mm).
      2. Height: 60 inches (1524 mm).
      3. Height: 66 inches (1676 mm).
      4. Height: 72 inches (1829 mm).
      5. Height: 96 inches (2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 12 inches (305 mm) by 8 inches (203 mm).
      2. Size: 16 inches (406 mm) by 10 inches (254 mm).
      3. Size: 20 inches (508 mm) by 15 inches (381 mm).
      4. Panel Thickness: 5/8 inch (15mm).

\*\* NOTE TO SPECIFIER \*\* Select Texture. Delete one of the next two paragraphs.

* + - 1. Texture: Recessed Panel.
      2. Texture: Raised Panel.

\*\* NOTE TO SPECIFIER \*\* Select assembly type. Delete two of the next three paragraphs.

* + - 1. Assembly Type: Flat Stock.
      2. Assembly Type: Assembled.
      3. Assembly Type: “L”-Assembly.
    1. PermaWrap Pedestal:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following heights. If more than one height is required, indicate clearly where each will be used.

* + - 1. Height: 40 inches (1016mm).
      2. Height: 46 inches (1168mm).

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following sizes. If more than one size is required, indicate clearly where each will be used.

* + - 1. Size: 16 inches (406 mm) square.
      2. Size: 20 inches (508 mm) square.
      3. Size: 24 inches (610 mm) square.
      4. Panel Thickness: 5/8 inch (15mm).

\*\* NOTE TO SPECIFIER \*\* Select Texture. Delete one of the next two paragraphs.

* + - 1. Texture: Recessed Panel.
      2. Texture: Raised Panel.

\*\* NOTE TO SPECIFIER \*\* Select assembly type. Delete two of the next three paragraphs.

* + - 1. Assembly Type: Flat Stock.
      2. Assembly Type: Assembled.
      3. Assembly Type: “L”-Assembly.
    1. Capitals and Bases:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles. If more than one style is required for the project, indicate clearly where each will be used. Colonial is also called "economy", and is recommended only when aesthetics are not a priority. It is available for column sizes 6 inches (152 mm) to 12 inches (305 mm).

* + - 1. Capital: Square Roman Ionic.
      2. Capital: Square Greek Ionic.
      3. Capital: Square Temple of the Winds.
      4. Capital: Square Roman Corinthian.
      5. Capital: Square Scamozzi.
      6. Capital: Crown Cap.
      7. Capital: Standard Cap.
      8. Capital: Tuscan Cap.
      9. Capital: Ogee Cap.
      10. Capital: Traditional Cap.

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following styles. If more than one style is required for the project, indicate clearly where each will be used.

* + - 1. Bases: Tuscan.
      2. Bases: Ogee.
      3. Bases: Traditional.
      4. Bases: Attic.
      5. Bases: Standard.
  1. ACCESSORY MATERIALS
     1. Construction Adhesive: Non-acetone based exterior grade.
        1. Use at top and bottom of shaft.
        2. Use at top of cap and bottom of base prior to nailing or screwing to soffit and substrate.

\*\* NOTE TO SPECIFIER \*\* Delete the following item if not using square columns with molding.

* + - 1. Use to affix neck molding to shaft of square columns, prior to screwing or nailing the molding in place.

\*\* NOTE TO SPECIFIER \*\* Delete the following item if not using square columns with molding.

* + 1. Caulk: Use to cover holes of nails or screws in molding for square columns.
    2. Molding for Columns:

\*\* NOTE TO SPECIFIER \*\* Delete all but one of the following moldings. If more than one molding is required, indicate clearly where each is used.

* + - 1. 1/2 inches (12.7 mm) deep by 1 inch (25.4 mm) wide; 8 feet (2438 mm) long panel. (54502)
      2. 1/2 inches (12.7 mm) deep by 1 inch (25.4 mm) wide; 10 feet (3048 mm) long panel. (54512)
      3. 3/4 inches (19 mm) deep by 1 inch (25.4 mm) wide; 10 feet (3048 mm) long panel. (54504)
      4. 1 inch (25.4 mm) deep by 11/16 inches (17.5 mm) wide; 10 feet (3048 mm) long panel. (54503)
      5. 3/4 inches (19 mm) deep by 1 5/16 inches (33.3 mm) wide; 10 feet (3048 mm) long panel. (54505)
    1. Hardware:
       1. Bottom Anchors: Corner irons.

\*\* NOTE TO SPECIFIER \*\* Delete fastening devices not required for project. If using more than one type of fastener for the same application, indicate clearly where each fastener will be used.

* + - 1. Anchor Fasteners: Deck screws.
      2. Anchor Fasteners: Concrete anchors.
      3. Anchor Fasteners: Hollow wall anchors.
      4. Cap and Base Fasteners: Screws.
      5. Cap and Base Fasteners: Nails.

\*\* NOTE TO SPECIFIER \*\* Delete the following two items if not using square columns with molding. Delete one of the following two fasteners if using molding.

* + - 1. Molding Fasteners: Screws.
      2. Molding Fasteners: Finishing nails.

\*\* NOTE TO SPECIFIER \*\* Painting is optional; delete Article if not painting.

* 1. FINISH
     1. Primer:

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two primer types.

* + - 1. Latex Based Primer: One light, even coat of top quality exterior latex primer.
      2. Oil Based Primer: One light, even coat of top quality exterior oil-based primer.
    1. Finish Coat:

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paint types. Selected paint type must match primer type. Do not use dark colors of paint. Dark colors have L values of 56 to 0. L is a measure of lightness of an object; range is from 0 (black) to 100 (white).

* + - 1. Latex Based Finish: Three light, even coats of high quality exterior latex paint.
      2. Oil Based Finish: Three light, even coats of high quality exterior oil-based paint.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
      3. Check opening height before ordering columns.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. If attaching handrails or corner iron to column, pre-drill holes before applying screws.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
      2. Plumb and level, with 100 percent of bottom contacting substrate and 75 percent of top contacting soffit. Center load over shaft and evenly distribute around bearing surface.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION