SECTION 04 21 00

CLAY MASONRY UNITS

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

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\*\* NOTE TO SPECIFIER \*\* Bowerston Shale Company; Clay masonry products.  
This section is based on the products of Bowerston Shale Company, which is located at:515 Main St., P. O. Box 199Bowerston, OH 44695Tel: 740-269-2921Fax: 740-269-5456Email: [request info (info@bowerstonshale.com)](https://arcat.com/rfi?action=email&company=Bowerston%252BShale%252BCompany&message=RE%253A%2520Spec%2520Question%2520(04210bow)%253A%2520&coid=31022&spec=04210bow&rep=&fax=740-269-5456)  
Web: <https://www.bowerstonshale.com>   
 [ [Click Here](https://arcat.com/company/bowerston-shale-company-31022) ] for additional information.  
Bowerston Shale Company has produced quality clay products for the architectural, commercial, and residential markets for over 70 years. Quality and customer service has been the foundation of our company. We continually incorporate the latest engineering and manufacturing techniques into our brick production. We sell through select dealers and distributors who share our commitment to selling the finest clay products in the world.  
Architects and builders specify Bowerston Shale Company's brick for many reasons. It is our pleasure to present you with a wide range of selections to help you determine the perfect color and texture to ensure your project makes an everlasting impression.  
Architects and builders specify Bowerston brick for many reasons. Those include known quality, wide selection of shades, sizes and textures, color consistency, and size parameters that meet tight tolerances and special matching requirements. Brick from the Bowerston Shale Company has been used to create some of the most impressive structures in the world...structures with character, beauty, and durability.  
Creativity in specialty brick design and sculpture has been a hallmark of the Bowerston Shale Company. The skilled staff in our architectural specialties and design department create custom shapes and sculptures that give unlimited possibilities to building design.  
A large sculpture studio is open to visitors who wish to view the sculpture process. Our artists can create a design specifically for your application, scale the drawing to size and submit it for your approval.  
The design is then carved into the green brick and color tinted if necessary. The brick is then fired and packaged for shipment. As you can see in the examples below, sculptures can be created for residential, commercial, and institutional applications.

1. GENERAL
   1. SECTION INCLUDES

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

* + 1. Clay masonry units.
    2. Accessories including reinforcement, anchorage, flashing, etc.
    3. Cleaning exposed, new, or existing clay masonry units.
  1. RELATED SECTIONS

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

* + 1. Section - .
    2. Section 01 30 00 - Administrative Requirements.
    3. Section 04 05 13 - Masonry Mortaring.
    4. Section 04 21 13.13 - Brick Veneer Masonry.
    5. Section 04 01 00 - Maintenance of Masonry.
    6. Section 05 12 13 - Architecturally-Exposed Structural Steel Framing.
    7. Section 05 21 13 - Deep Longspan Steel Joist Framing.
    8. Section 05 50 00 - Metal Fabrications.
    9. Section 06 10 00 - Rough Carpentry.
    10. Section 07 19 13 - Acrylic Water Repellents.
    11. Section 07 62 00 - Sheet Metal Flashing and Trim.
    12. Section 07 84 13 - Penetration Firestopping.
    13. Section 07 90 00 - Joint Protection.
    14. Section 08 50 00 - Windows.
    15. Division 15 - Appropriate sections for Fireplace and Chimney Flue accessories.
  1. 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 A36 - Standard Specification for Carbon Structural Steel.
       2. ASTM A82 - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement.
       3. ASTM A153/A153M - Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
       4. ASTM A615/A615M - Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
       5. ASTM A616 - Standard Specification for Rail-Steel Deformed and Plain Bars for Concrete Reinforcement.
       6. ASTM A617 - Standard Specification for Axle-Steel Deformed and Plain Bars for Concrete Reinforcement.
       7. ASTM A666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
       8. ASTM A775 - Standard Specification for Epoxy-Coated Steel Reinforcing Bars.
       9. ASTM A996 - Standard Specification for Rail-Steel and Axle-Steel Deformed Bars for Concrete Reinforcement.
       10. ASTM A1008 - Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable.
       11. ASTM B370 - Standard Specification for Copper Sheet and Strip for Building Construction.
       12. ASTM C62 - Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)
       13. ASTM C67 - Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile.
       14. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale).
       15. ASTM C1261 - Standard Specification for Firebox Brick for Residential Fireplaces.
       16. ASTM D1056 - Standard Specification for Flexible Cellular Materials Sponge or Expanded Rubber.
    2. American National Standards Institute (ANSI):
       1. ANSI A41.1 Building Code Requirements for Masonry
       2. ANSI A41.2 Building Code Requirements for Reinforced Masonry
  1. DESIGN / PERFORMANCE REQUIREMENTS
     1. Conform to ANSI A41.1 Building Code Requirements for Masonry, ANSI A41.2 Building Code Requirements for Reinforced Masonry or equivalent sections of the applicable Code.
  2. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. 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.
     3. Verification Samples: Furnish not less than five individual brick as samples, showing extreme variations in color and texture.
     4. Manufacturer's Certificates: Test reports to certify products meet or exceed specified requirements.
     5. Qualification Data for Firms and Persons specified in "Quality Assurance" Article Demonstrating capabilities and experience.
        1. Completed Projects List: Include project names, addresses, telephone numbers, names of Architects and Owners, and other information specified.
  3. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Primary products specified in this section will be supplied by a single manufacturer with a minimum of ten years' experience.
     2. Installer Qualifications: Company specializing in performing Work of this section with minimum three years documented experience.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project 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: Mock-up or sample panels shall be used to review brick and mortar color and serve as the standard of workmanship for the Project.
       1. Construct masonry wall mockup, 4 feet (1.2 m) long by 3 feet (1 m) high, showing proposed color range, texture, bond, mortar, and workmanship.
       2. Locate where directed by Architect.
       3. When required provide a separate panel for each type of brick and mortar specified.
       4. Do not proceed with remaining work until workmanship, color and texture are approved by Architect.
       5. Protect the panel until the Work is completed and accepted by the Architect.
    2. Brick Tests: Sampled and tested in accordance with ASTM C 67.
       1. Testing and Reports: Completed by an independent laboratory.
       2. Test Reports: For each type of building and facing brick submitted to Architect/Engineer for review.
       3. Test Reports shall Indicate but not be limited to: Compressive strength, Twenty-Four (24) hour cold water absorption, Five (5)-hour boil absorption, Saturation coefficient, Initial rate of absorption, and Efflorescence.

\*\* NOTE TO SPECIFIER \*\* Select the following paragraph if brick is specified by allowance. Delete if not required.

* 1. ALLOWANCES
     1. Include under provisions of Section - .
     2. Allowance includes each type of clay masonry unit included in this section. Installation is included in this section and is part of Contract Sum/Price.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
     2. Deliver products of this section on pallets, with individual faces protected; keep dry.
     3. Store brick off the ground to prevent contamination by mud, dust, or other materials likely to cause staining or other defects.
     4. Cover all materials with a non-staining waterproof membrane material when necessary to protect from elements.
  3. COORDINATION
     1. Coordinate masonry work with the installation of built-in work and adjacent construction.
  4. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within the limits recommended by the manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.
     2. Protection of Work:
        1. Wall Covering:
           1. During erection, cover top of wall with strong nonstaining waterproof membrane at end of each day or shutdown.
           2. Cover partially completed walls when work is not in progress.
           3. Extend cover minimum of 24 inches (610 mm) down both sides.
           4. Hold cover securely in place.
        2. Load Applications:
           1. Uniform Floor or Roof Loading: 12 hrs after building masonry columns or wall.
           2. Concentrated Load: 3 days after building masonry columns or walls.
        3. Stain Prevention:
           1. Prevent grout or mortar from staining the face of masonry.
           2. Remove immediately grout or mortar in contact with face of masonry.
           3. Protect all sills, ledges, and projections from droppings of mortar.
           4. Protect base of wall from rain-splashed mud and mortar splatter.
           5. Scaffold boards shall be turned on edge when work is not in progress.
     3. Cold Weather Protection:
        1. Preparation: When ice or snow forms on the masonry bed, carefully remove by applying heat up to 120 degrees F (49 degrees C) until surface is dry to the touch.
           1. Remove all masonry deemed frozen or damaged.
        2. Products: If brick suction exceeds 30 grams/min/30 sq in, sprinkle with heated water:
           1. When units are above 32 degrees F (0 degrees C), heat water above 70 degrees F (21 degrees C).
           2. When units are below 32 degrees F (0 degrees C), heat water above 130 degrees F (54 degrees C).
           3. Do not use wet or frozen units.
        3. Construction Requirements While Work is Progressing:
           1. Air temperature 32 to 40 degrees F (0 to 4 degrees C):

Heat sand or mixing water to produce mortar temperatures between 40 to 32 degrees F (4 degrees C) (0 degrees C).

* + - * 1. Air temperature 25 to 32 degrees F (minus 4 to 0 degrees C):

Heat sand and mixing water to produce temperatures between 40 and 120 degrees F (4 to 49 degrees C).

Maintain temperature of mortar on boards above freezing.

* + - * 1. Air temperatures 20 to 25 degrees F (minus 7 to minus 4 degrees C).

Heat sand and mixing water to produce mortar temperatures between 40 and 120 degrees F (4 to 49 degrees C).

Maintain mortar temperatures on boards above freezing.

Use approved heat sources on both sides of walls under construction.

Use windbreaks when wind is more than 15 mph (24 kms/h).

* + - * 1. Air temperature 20 degrees F (minus 7 degrees C) and below:

Heat sand and mixing water to produce mortar temperatures between 40 and 120 degrees F (4 and 49 degrees C).

Enclosures and auxiliary heat to maintain air temperature above 32 degrees F (0 degrees C).

Minimum temperature of units when laid: 20 degrees F (minus 7 degrees C).

* + - * 1. Mean Daily Air Temperature: 25 to 40 degrees F (Minus 40 to 4 degrees C).

Cover masonry with weather-resistive membrane for 24 hrs.

* + - * 1. Mean Daily Air Temperature: 20 to 25 degrees F (minus 7 to minus 4 degrees C).

Cover masonry with insulating blankets or equal protection for 24 hours.

* + - * 1. Mean Daily Air Temperature: 20 degrees F (minus 7 degrees C) and below:

Maintain masonry temperature above 32 degrees F (0 degrees C) for 24 hours by:

Method: Enclosure and supplementary heat.

Method: Electric heating blankets.

Method: Infrared lamps.

Method: Other approved methods.

* + 1. Hot Weather Protection:
       1. When temperature exceeds 90 or 100 degrees F with 8 mph wind (32 to 38 degrees C with 13 kms/h wind).
          1. Maintain temperature of mortar and grout between 70 and 120 degrees F (21 and 49 degrees C).

Limit spread of mortar bed to 4 feet (1.2 m). Place units within 1 minute of spreading mortar.

* + - * 1. Partially or recently completed walls may be fog sprayed and/or covered with opaque plastic or canvas or both to control moisture evaporation.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Masonry Manufacturer: The Bowerston Shale Company; Bowerston, OH; Tel: 740-269-2921; Fax: 740-269-5456; Email: request info (info@bowerstonshale.com); Web: http://www.bowerstonshale.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.

\*\* NOTE TO SPECIFIER \*\* Select the components required from the following paragraphs and delete those not required. Custom sizes and shapes available. Contact the manufacturer for availability.

* 1. CLAY MASONRY UNITS
     1. Face Brick: Provide sizes colors and textures specified with special units for corners, lintels, bullnosed corners and others as indicated on the Drawings. Shaped to profile indicated and provide to color and surface texture to match face brick unless otherwise indicated.
        1. Modular Size (WxHxL): 3-5/8 x 2-1/4 x 7-5/8 inches (92 x 57 x 194 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 1000 Buff Smooth Flash

No. 1003 Buff Smooth

No. 110 Red Smooth

No. 1100 Red Smooth Flash

No. 1110 Cherry Red Smooth Flash

No. 110-3 Mahogany Smooth

No. 110-6 Sorrel Smooth

No. 1113 Crimson Flash Smooth

No. 1116 Chestnut Flash Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff Velvet

No. 445 Blush Buff Velvet

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan Velvet

No. 510 Cordovan Smooth

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Standard Size (WxHxL): 3-5/8 x 2-1/4 x 8 inches (92 x 57 x 203 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 1000 Buff Smooth Flash

No. 1003 Buff Smooth

No. 110 Red Smooth

No. 1100 Red Smooth Flash

No. 1110 Cherry Red Smooth Flash

No. 110-3 Mahogany Smooth

No. 110-6 Sorrel Smooth

No. 1113 Crimson Flash Smooth

No. 1116 Chestnut Flash Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff Velvet

No. 445 Blush Buff Velvet

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan Velvet

No. 510 Cordovan Smooth

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Engineer Size (WxHxL): 3-5/8 x 2-3/4 x 7-5/8 inches (92 mm x 71 x 194 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 1000 Buff Smooth Flash

No. 1003 Buff Smooth

No. 110 Red Smooth

No. 1100 Red Smooth Flash

No. 1110 Cherry Red Smooth Flash

No. 110-3 Mahogany Smooth

No. 110-6 Sorrel Smooth

No. 1113 Crimson Flash Smooth

No. 1116 Chestnut Flash Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff Velvet

No. 445 Blush Buff Velvet

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan Velvet

No. 510 Cordovan Smooth

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Norman Size (WxHxL): 3-5/8 x 2-1/4 x 11-5/8 inch (92 x 57 x 295 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 1000 Buff Smooth Flash

No. 1003 Buff Smooth

No. 110 Red Smooth

No. 1100 Red Smooth Flash

No. 1110 Cherry Red Smooth Flash

No. 110-3 Mahogany Smooth

No. 110-6 Sorrel Smooth

No. 1113 Crimson Flash Smooth

No. 1116 Chestnut Flash Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff Velvet

No. 445 Blush Buff Velvet

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan Velvet

No. 510 Cordovan Smooth

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Norwegian Size (WxHxL): 3-/5/8 x 2-3/4 x 11-5/8 inches (92 x 71 x 295 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 1000 Buff Smooth Flash

No. 1003 Buff Smooth

No. 110 Red Smooth

No. 1100 Red Smooth Flash

No. 1110 Cherry Red Smooth Flash

No. 110-3 Mahogany Smooth

No. 110-6 Sorrel Smooth

No. 1113 Crimson Flash Smooth

No. 1116 Chestnut Flash Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff Velvet

No. 445 Blush Buff Velvet

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan Velvet

No. 510 Cordovan Smooth

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Closure/Econo Size (WxHxL): 3-5/8 x 3-5/8 x 7-5/8 inches (92 x 92 x 194 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff W/C

No. 445 Blush Buff W/C

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan W/C

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan Velvet

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. Utility Size (WxHxL) : 3-5/8 x 3-5/8 x 11-5/8 inches (92 x 92 x 295 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 1300 Valley Blend

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 1303 Mahogany Flash W/C

No. 1306 Sorrel Flash W/C

No. 1310 Cherry Flash W/C

No. 1348 Red Rough Tex Flash

No. 138 Red R/T

No. 1425 Buff Bark Flash

No. 1445 Mission Blend

No. 1448 Blush Buff Flash R/T

No. 145 Red Vertex

No. 1450 Red Vertex Flash

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1525 Buff Sand Face Flash

No. 1545 Buff Vertex Flash

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 225 Red Bark Flash

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff W/C

No. 445 Blush Buff W/C

No. 446 Darker Blush Buff Velvet

No. 501 Cordovan W/C

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Antique Red Flash V/M

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Cherokee Blend V/M

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Collegiate Red Flash V/M

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown Flash Smooth

Desert Brown W/C

Desert Brown Flash W/C

Desert Sage Smooth

Desert Sage W/C

Desert Sage Flash W/C

Desert Tan Smooth

Desert Tan W/C

Eau Claire

Frisco Blend

Harrison Range

Harvest Blend

Hoosier Blend

Irish Gold

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Mohican Blend

Monroe Blend

Old English

Olde Cheyenne

Olde Harvard Smooth

Olde Windsor

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rose Mist

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

University Blend Smooth

University Blend Smooth Iron Spot

University Blend V/M

University Blend W/C

University Blend W/C Iron Spot

Woodsfield Blend

* + - 1. 8X8 Size (WxHxL): 3-5/8 x 7-5/8 x 7-5/8 inches (92 x 194 x 194 mm).

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required.

* + - * 1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
        2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
        3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 120 Red Rugg

No. 1200 Monticello Blend

No. 125 Cherry Bark

No. 1252 Cardinal Blend

No. 130 Red W/C

No. 130-1 W/C

No. 130-3 Mahogany W/C

No. 130-6 Sorrell W/C

No. 138 Red R/T

No. 145 Red Vertex

No. 145-3 Mahogany Vertex

No. 145-6 Sorrel Vertex

No. 1520 Blush Buff Sand Face

No. 1546 Dark Blush Buff Vertex

No. 1620 Red Sand Face

No. 1625 Red Flash Sand Face

No. 208 Smooth FR IS

No. 245 Blush Buff Rugg

No. 300 White Birch Bark

No. 325 Walnut Bark

No. 340 White W/C

No. 340-1 W/C

No. 345 White Vertex

No. 360 White Rugg

No. 425 Blush Buff Bark Blend

No. 443 Lite Blush Buff W/C

No. 445 Blush Buff W/C

No. 446 Darker Blush Buff W/C

No. 501 Cordovan W/C

No. 520 Cordovan Sandface

No. 525 Cordovan Rugg

No. 545 Cordovan Vertex

No. 610 Dark Red Smooth Iron Spot

No. 615 Red Smooth Full Range Iron Spot

No. 717 Dark Smooth Iron Spot

No. 721 Dark Smooth Full Range Iron Spot

No. 7210 Dark W/C Full Range Iron Spot

No. 806 Gray And White Bark Blend

No. 825 Medium Gray/Brown Bark Blend

No. 923 Light Gray Bark

No. 925 Gray Bark Blend

No. 926 Dark Gray Bark

49R Blend IS

85/15 W/C

85/15 Clear W/C

938 Light Gray W/C

940 Medium Gray W/C

942 Dark Gray W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Autumn Blend Clear W/C

Autumn Blend R/T

Autumn Blend Smooth

Autumn Blend V/M

Autumn Blend W/C

Autumn Rose Clear W/C

Autumn Rose R/T

Autumn Rose Smooth

Autumn Rose V/M

Autumn Rose W/C

Aztec Red

Bordeaux

Briarcliffe

Buckskin

Burgundy Blend

BW 50 R/T

BW 50 V/M

BW 50 W/C

Canyon Blend R/T Full Range

Canyon Blend R/T Lite Flash

Canyon R/T

Charcoal Gray

Chocolate R/T

Chocolate R/T Full Range

Chocolate Smooth

Chocolate Smooth Full Range

Chocolate W/C

Chocolate W/C Full Range

Cocoa

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash Bark

Dark Red Flash V/M

Dark Red Smooth

Desert Brown Smooth

Desert Brown W/C

Desert Sage Smooth

Desert Sage W/C

Desert Tan Smooth

Desert Tan W/C

Harrison Range

Harvest Blend

Hoosier Blend

Knox Blend

Latrobe Blend W/C

Lite Chocolate FL V/M (W.B.)

Patent Black W/C

Phoenix Red

Pioneer Blend Smooth

Pioneer Blend W/C

Pioneer Blend W/C IS

Pioneer W/C

Red Bark Full Range

Red Brush-Tex

Red Brush-Tex Flash

Red Smooth

Red Smooth Full Range

Red Smooth Iron Spot

Red V/M

Red V/M Full Range

Red W/C Full Range

Rustic Red

Santa Fe R/T

Santa Fe Smooth

Santa Fe W/C

Santa Fe W/C IS

Sunset Clear W/C

Sunset Flash R/T

Sunset Flash Smooth

Sunset Flash V/M

Sunset Flash W/C

Terra Cotta Bark

Terra Cotta Red R/T

Terra Cotta Red V/M

Terra Cotta Red W/C

Woodsfield Blend

* + - 1. Meridian Size(WxHxL): 3-5/8 x 3-5/8 x 15-5/8 inches (92 x 92 x 397 mm).
         1. Face Brick: ASTM C 216 Grade: SW Type: FBS.
         2. Face Brick: ASTM C 216 Grade: SW Type: FBX.
         3. Colors:

\*\* NOTE TO SPECIFIER \*\* Select the first paragraph if brick is specified by allowance or select one of the remaining color paragraphs for specific selection. Delete the paragraphs not required. Type FBX brick is not available in all colors listed. Contact the manufacturer for availability.

As selected by the Architect from the range available within the allowance specified.

No. 41 W/C

No. 41 Smooth

No. 130-1 W/C

No. 340-1 W/C

85/15 W/C

85/15 Clear W/C

938-1 Light Gray W/C

940-1 Medium Gray W/C

942-1 Dark Gray W/C

Autumn Blend Clear W/C

Autumn Blend Smooth ES

Autumn Blend W/C ES

Autumn Rose Smooth ES

Autumn Rose W/C ES

Briarcliffe

Buckskin

Burgundy Blend

BW 50 W/C

Charcoal Gray

Chocolate Smooth

Chocolate Smooth Full Range ES

Chocolate W/C

Chocolate W/C Full Range ES

Cocoa

Colonial Brown

Dark Red Flash W/C NB

Dark Red Flash Smooth NB

Dark Red Flash V/M

Dark Red Smooth ES

Eau Claire

Frisco Blend

Harrison Range

Hoosier Blend

Knox Blend

Latrobe Blend W/C

Mohican Blend

Monroe Blend

Olde Harvard Smooth

Olde Windsor

Pioneer Blend Smooth ES

Pioneer Blend W/C ES

Pioneer W/C

Red Smooth

Red Smooth Full Range ES

Red W/C Full Range ES

Rose Mist

Rustic Red

Santa Fe Smooth ES

Santa Fe W/C ES

Sunset Clear W/C

Sunset Flash Smooth ES

Sunset Flash W/C ES

Terra Cotta Red W/C

University Blend Smooth

University Blend W/C

Woodsfield Blend

* + 1. Building Brick: ASTM C 62: Solid units.
       1. Grade NW for interior and backup areas.
       2. SW when in contact with earth.
       3. MW exterior and backup areas.
    2. Fire Brick: ASTM C 1261.
  1. ACCESSORIES
     1. Reinforcing Bars:

\*\* NOTE TO SPECIFIER \*\* Select steel type required for project and delete those not required.

* + - 1. Billet Steel Deformed Bars: ASTM A 615.
      2. Rail Steel Deformed Bars: ASTM A 616 or A 996.
      3. Axle Steel Deformed Bars: ASTM A 617 or A 996.
      4. Epoxy Coated Billet Steel: ASTM A 615 and ASTM A 775.

\*\* NOTE TO SPECIFIER \*\* Select and complete joint anchors and ties required from the following paragraphs and delete those not required.

* + 1. Corrugated Ties: ASTM A 1008, 20 Gage, Width: \_\_\_\_\_\_\_\_\_\_ inch, length: \_\_\_\_\_\_\_\_\_\_\_ inches, Galvanized: ASTM A 153, Class B-2.
    2. Truss Joint Reinforcement: ASTM A 82 (ASTM A 666), Size\_\_\_\_\_\_\_\_, Galvanized: ASTM A 153, Class B-2.
    3. Ladder Joint Reinforcement: ASTM A 82 (ASTM A 666), Size\_\_\_\_\_\_\_\_, Galvanized: ASTM A 153, Class B-2.
    4. Wire Wall Ties: ASTM A 82, Wire Size: \_\_\_\_\_\_\_\_, Shape: \_\_\_\_\_\_\_\_, Length: \_\_\_\_\_\_\_\_ inches, Galvanized: ASTM A 153, Class B-2.
    5. Dovetail Anchors: ASTM A 1008, Gage: \_\_\_\_\_\_, Length: \_\_\_\_\_\_\_ inches, Galvanized: ASTM A 153, Class B-2.
    6. Anchors:

\*\* NOTE TO SPECIFIER \*\* Select anchors required and delete those not required.

* + - 1. Plate Bent Bar Anchors: ASTM A 36, Diameter: \_\_\_\_\_\_\_\_inch, Length: \_\_\_\_\_\_\_\_ inches, Galvanized: ASTM A 153, Class B-2.
      2. Plate Header Bar Anchors: ASTM A 36, Diameter: \_\_\_\_\_\_\_\_ inch, Length: \_\_\_\_\_\_\_\_ inches, Galvanized: ASTM A 153, Class B-2.
    1. Flashing:

\*\* NOTE TO SPECIFIER \*\* Select flashing types required and delete those not required.

* + - 1. Copper: ASTM B 370, 5 oz.
      2. Copper: ASTM B 370, 7 oz.
      3. Stainless Steel: ASTM A 666, Grade\_\_\_\_\_\_\_, Type 304.
      4. Plastic: PVC, 30 mils (0.75 mm) thick.
      5. Combinations:
         1. Plastic/Copper: 5 oz.
         2. Cooper/Fabric: 5 oz.
         3. Asphalt-Coated Copper: 5 oz.
         4. Plastic/Copper: 7 oz.
         5. Cooper/Fabric: 7 oz.
         6. Asphalt-Coated Copper: 7 oz.
    1. Preformed Control and Expansion Joints:

\*\* NOTE TO SPECIFIER \*\* Select types required and delete those not required.

* + - 1. Premolded Foam: ASTM D 1056, Type 2, Class A, Grade 1.
      2. Neoprene: ASTM D 1056, Type 2, Class A, Grade 1.
      3. Backer Rod: Extruded, Closed Cell Polyethylene.
    1. Weep holes:

\*\* NOTE TO SPECIFIER \*\* Select types required and delete those not required.

* + - 1. Rope Wicks: Cotton Sash Cord, 12 inches long with end laid in cavity.
      2. Plastic Tubes: 1/4 inch (6 mm) minimum inside diameter by 4 inches (102 mm) long.
      3. Aluminum Weep/Vents.
      4. Plastic Weep/Vents.
    1. Mortar and Grout: As specified in Section 04 05 13 - Masonry Mortaring.
    2. Nailing Strips: Specified in Section 06 11 00 - Wood Framing.
    3. Steel Lintels: Size as indicated on Drawings and as specified in Section 05 50 00 - Metal Fabrications.
    4. Concentrated Acidic Cleaner: To remove excess mortar smears, construction dirt, vanadium, manganese and other metallic stains from color sensitive brick and mortar surfaces.
       1. Approved Products: Sure Klean Vana Trol, PROSOCO, Inc.; Lawrence, KS; 800-255-4255; www.prosoco.com.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. Verify items provided by other sections of work are properly sized and located.
      3. Verify built-in items are in proper location, and ready for roughing into masonry work.
      4. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Direct and coordinate placement of metal anchors supplied to other sections.
      3. Furnish temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent support.
      4. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      5. Proceed with installation only after unsatisfactory conditions have been corrected.
   3. INSTALLATION
      1. Co comply with ANSI A41.1 Building Code Requirements for Masonry, ANSI A41.2 Building Code Requirements for Reinforced Masonry or equivalent sections of the applicable Code.
         1. Establish lines, levels, and coursing indicated. Protect from displacement.
         2. Maintain masonry courses to uniform dimension. Form bed and head joints of uniform thickness.
         3. Coursing of Brick Units: Lay masonry in bond pattern as indicated on Drawings
         4. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment is required, remove mortar, and replace.
         5. Perform job site cutting of masonry units with proper tools to assure straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
         6. Isolate masonry from vertical structural framing members with movement joint as indicated on Drawings.
         7. Isolate top of masonry from horizontal structural framing members and slabs or decks with compressible joint filler.
      2. Tooling and Pointing:

\*\* NOTE TO SPECIFIER \*\* Select joint profiles required and delete those not required.

* + - 1. Joint Profile: Tool mortar joints to a concave appearance.
      2. Joint Profile: Tool mortar joints to a concave V-shaped appearance.
      3. Joint Profile: Tool mortar joints to a concave grapevine appearance.
      4. Tool exposed joints when "thumb-print" hard.
      5. Flush cut all joints not tooled.
      6. When pointing, rake mortar joints to a depth of not less than 1/2 inch (12 mm). Fill solidly with pointing mortar. Tool joints.
    1. Masonry Flashings:
       1. Clean surface of masonry from projections that might puncture flashing.
       2. Place through-wall flashing on bed of mortar.
       3. Cover flashing with mortar.
       4. Lap flashing a minimum of 6 inches (152 mm).
       5. Leave flashing project from face of wall approximately 1/4 inch (6 mm) to form a drip. Flashing shall be cut back to the face of the wall after inspection if the drip is deemed objectionable by Architect.
    2. Weeps:
       1. Provide weep holes in head joints of the first brick course immediately above flashing by placing weeps no more than 24 inches (610 mm) on center horizontally.
       2. Keep cavity free from mortar.
    3. Expansion and Control Joints: Provide where indicated on the Drawings.
       1. Keep clean from all mortar and debris.
       2. Install neoprene pre-molded foam pad.
       3. Install backer rod.
       4. Install sealant as specified in Section 07 90 00 - Joint Protection.
  1. CLEANING
     1. General:
        1. Remove excess mortar and mortar smears as work progresses.
        2. Replace defective mortar. Match adjacent work.
        3. Use non-metallic tools in cleaning operations.
        4. Comply with the chemical cleaner manufacturer's recommendations for protecting adjacent building surfaces against damage from exposure to their products.
     2. Concentrated, Near Neutral pH Cleaner:
        1. Apply diluted cleaner to prewet masonry surfaces that comply with chemical cleaner manufacturer's written instructions; use low-pressure spray (50 psi max) or densely packed, soft-fibered masonry-washing brush methods.
        2. Do not spray apply at pressures exceeding 50 psi.
        3. Let chemical cleaner dwell for five (5) minutes, depending on absorption rate of masonry and dry conditions. Gently scrub heavily soiled areas with wooden scraper or piece of brick. Do not allow chemicals to remain on surface for periods longer than those indicated or recommended by chemical cleaner manufacturer.
        4. Rinse thoroughly with fresh water from bottom to top, removing all cleaning compound, free sand, loose material, and debris.
  2. PROTECTION OF FINISHED WORK
     1. Protect exposed external corners subject to damage.
     2. Protect base of walls from mud and mortar splatter.
     3. Protect masonry and other items built into masonry walls from mortar droppings and staining caused by mortar.
     4. Protect tops of masonry work with waterproof coverings secured in place without damaging masonry. Provide coverings where masonry is exposed to weather when work is not in progress.

END OF SECTION