



SECTION 04 70 00 – MANUFACTURED MASONRY

PIONEER STONE

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CAREFULLY REVIEW AND EDIT THIS SECTION TO MEET THE REQUIREMENTS OF THE PROJECT, LOCAL BUILDING CODE AND AUTHORITIES HAVING JURISDICTION. COORDINATE THIS SECTION WITH OTHER SPECIFICATION SECTIONS AND DRAWINGS.

DELETE ALL "SPECIFIER NOTES" WHEN EDITING THIS SECTION.

PART 1 - GENERAL

1.1 CONDITIONS AND REQUIREMENTS

- A. The General Conditions, Supplementary Conditions, and Division 01 – General Requirements apply.

1.2 SECTION INCLUDES

A. Stone Veneers

1. Ashlar Stone Veneer.
2. CastStone Stone Veneer.
3. Cobble Stone Veneer.
4. Coral Stone Veneer.
5. Coral24 Stone Veneer.
6. Country Ledge Stone Veneer.
7. Cutstone Stone Veneer.
8. Fieldstone Stone Veneer.
9. Laytite Stone Veneer.
10. Ledge Stone Veneer.



11. Ledge Cut Stone Veneer.
12. Plankwood Stone Veneer.
13. River Rock Stone Veneer.
14. Sandstone Stone Veneer.
15. Southern Ledge Stone Veneer.
16. Stack-Ease Stone Veneer.

B. Brick Veneers

1. Original Brick Veneer.
2. Used Brick Veneer.
3. Handcut Brick Veneer.
4. Heritage Brick Veneer.

1.3 RELATED SECTIONS

- A. Section 01 74 19 - Construction Waste Management and Disposal
- B. Section 31 10 00 - Site Clearing
- C. Section 06 11 00 - Wood Framing
- D. Section 06 16 00 - Sheathing
- E. Section 07 25 00 - Weather Barriers
- F. Section 04 05 23.19 - Masonry Cavity Drainage, Weepholes, and Vents
- G. Section 04 05 13 - Masonry Mortaring
- H. Section 04 21 13 - Brick Masonry
- I. Section 06 12 13 - Cementitious Reinforced Panels
- J. Section 09 21 00 - Plaster and Gypsum Board Assemblies
- K. Section 09 22 36.23 - Metal Lath
- L. Section 06 25 16 - Prefinished Plywood Paneling
- M. Section 07 46 29 - Plywood Siding

1.4 REFERENCES

- A. American Society for Testing and Materials International (ASTM):



1. ASTM C39/C39M-21: Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
2. ASTM C140/C140M-23: Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units.
3. ASTM C157/C157M-17: Standard Test Method for Length Change of Hardened Hydraulic-Cement Mortar and Concrete.
4. ASTM C482-20: Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement Paste.
5. ASTM C666/C666M-15: Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing.
6. ASTM C1670/C1670M-23: Standard Specification for Adhered Manufactured Stone Masonry Veneer Units.

1.5 QUALITY ASSURANCE

- A. Stone or brick veneer manufacturer shall have a minimum of 45 years of experience.
- B. Stone or brick veneer installers shall have a minimum of 5 years of experience performing similar work.

1.6 SUBMITTALS

A. Product Data:

1. Submit the manufacturer's printed product literature, specifications, warranty statement, performance test results, and datasheet.

1.7 WARRANTY

- A. Manufacturer's Warranty: Provide the manufacturer's standard limited warranty in effect at the date of purchase.

2 PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Pioneer Stone 135 Bargain Barn Rd. Davenport, Florida. Telephone: 863-422-7369. Email: info@pioneerstone.com. Web: www.pioneerstone.com.

SPECIFIER NOTES: DELETE ONE OF THE FOLLOWING TWO PARAGRAPHS.

- B. Substitutions: Not Permitted.
- C. Requests for approved substitutions will be considered in accordance with provisions specified in Section 01 62 00 – Product Options.



2.2 STONE AND BRICK VENEER PERFORMANCE REQUIREMENTS

- A. Pioneer Stone conforms to the following performance standards:
1. Compressive Strength:
 - ASTM C1670/C1670M-23.
 - ASTM C39/C29M-21.
 2. Absorption, Saturated Density, Dimensional Tolerances, and Standard Unit Weight: ASTM C140/140M-23.
 3. Linear Drying Shrinkage: ASTM C157/C157M-17.
 4. Shear Bond Strength of Tile to Portland Cement Paste: ASTM C482-20.
 5. Resistance to Rapid Freeze and Thawing: ASTM C666/C666M-15.

2.3 STONE VENEERS

SPECIFIER NOTES: DELETE PRODUCTS AND OPTIONS NOT REQUIRED FOR THIS PROJECT. OPTIONS ARE INDICATED WITH SQUARE BRACKETS.

A. **Ashlar Stone Veneer:**

1. **Description:** Clean lines and natural colors make our Ashlar profile the choice to consider on your next project. Tightly-stacked stones and simple patterns give Ashlar a contemporary look and pleasing aesthetic for your next building needs.
2. **Stone Installation:** Drystacked (Tight-fitted) or Mortarted.
3. **Dimensions:**
 - **Flats:**
 - Length: 7 ½ to 16 ½ inches (19.05 to 41.91 centimeters).
 - Height: 3 ¾ to 11 ½ inches (9.53 to 29.21 centimeters).
 - Thickness: 1 ½ to 2 ½ inches (3.81 to 6.35 centimeters).
 - Weight: 7.76 pounds per square foot (37.9 kilograms per square meter).
 - **Corners:**
 - Length: 5 ½ to 15 inches (13.97 to 38.10 centimeters).
 - Height: 3 ¾ to 11 ½ inches (9.53 to 29.21 centimeters).
 - Thickness: 1 ½ to 2 ½ inches (3.81 to 6.35 centimeters).
 - Corner Returns: 4 to 6 inches (10.16 to 15.24 centimeters).
 - Weight: 7.64 pounds per linear foot (11.37 kilograms per linear meter).



B. CastStone Stone Veneer:

1. **Description:** CastStone veneer is a clean, modern, sophisticated design appropriate for both commercial and residential projects.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 23 ½ inches (59.69 centimeters).
 - Height: 11 ½ inches (29.21 centimeters).
 - Thickness: 1 ½ inches (3.81 centimeters).
 - Weight: 8.81 pounds per square foot (43.03 kilograms per square meter).

C. Cobble Stone Veneer:

1. **Description:** Cobble stone combines clean-cut stone with naturally rugged edges to form a perfect display for stone layering. Beautiful and distinctive, Cobbles offers a variety of shapes and nature-inspired colors to meet your every need.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 5 ¼ to 16 inches (13.34 to 40.64 centimeters).
 - Height: 3 ½ to 9 ½ inches (8.89 to 24.13 centimeters).
 - Thickness: 1 ¼ to 2 ½ inches (3.175 to 6.35 centimeters).
 - Weight: 7.45 pounds per square foot (36.37 kilograms per square meter).
 - Corners:
 - Length: 5 ¼ to 13 ¾ inches (13.34 to 34.93 centimeters).
 - Height: 3 ½ to 9 ½ inches (8.89 to 24.13 centimeters).
 - Thickness: 1 ¼ to 2 ½ inches (3.18 to 6.35 centimeters).
 - Corner Returns: 4 inches (10.16 centimeters).
 - Weight: 9.97 pounds per linear foot (14.84 kilograms per linear meter).



D. Coral Stone Veneer:

1. **Description:** Enhance your next project with the look of coquina stone. The delicate fossil patterns and textured surfaces of our Coral profile perfectly complement classic or contemporary Florida architecture.
2. **Stone Installation:** Mortarted.
3. **Dimensions:**
 - Flats:
 - Length: 5 ¼ to 16 inches (13.34 to 40.64 centimeters).
 - Height: 3 ½ to 9 ½ inches (8.89 to 24.13 centimeters).
 - Thickness: 1 ¼ to 2 ½ inches (3.18 to 6.35 centimeters).
 - Weight: 8.51 pounds per square foot (41.55 kilograms per square meter).
 - Corners:
 - Length: 5 ¼ to 13 ¾ inches (13.34 to 34.93 centimeters).
 - Height: 3 ½ to 9 ½ inches (8.89 to 24.13 centimeters).
 - Thickness: 1 ¼ to 2 ½ inches (3.18 to 6.35 centimeters).
 - Corner Returns: 4 inches (10.16 centimeters).
 - Weight: 10.09 pounds per linear foot (15.01 kilograms per linear meter).

E. Coral24 Stone Veneer:

1. **Description:** Coral24 provides an elegant and symmetrical rich stone finish. Its rectangular shape and natural feel bridge the gap between modern and classic architecture.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 23 inches (58.42 centimeters).
 - Height: 11 ½ inches (29.21 centimeters).
 - Thickness: 1 ¼ inches (3.18 centimeters).
 - Weight: 7.8 pounds per square foot (38.08 kilograms per square meter).



F. Country Ledge Stone Veneer:

1. **Description:** Country Ledge is a versatile mixture of rectangular and linear stones. Country Ledge includes tailored straight lines with the added richness of oblong naturally chiseled stones.
2. **Stone Installation:** Drystacked (Tight-fitted) or Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 5 ¼ to 20 inches (13.34 to 50.80 centimeters).
 - Height: 3 ½ to 10 ½ inches (8.89 to 26.67 centimeters).
 - Thickness: 1 ¼ to 3 ½ inches (3.18 to 8.89 centimeters).
 - Weight: 8 pounds per square foot (39.06 kilograms per square meter).
 - Corners:
 - Length: 5 ¼ to 13 ¾ inches (13.34 to 34.93 centimeters).
 - Height: 3 ½ to 10 ½ inches (8.89 to 26.67 centimeters).
 - Thickness: 1 ¼ to 3 ½ inches (3.18 to 8.89 centimeters).
 - Corner Returns: 4 inches (10.16 centimeters).
 - Weight: 11.07 pounds per linear foot (16.48 kilograms per linear meter).

G. Cutstone Stone Veneer:

1. **Description:** CutStone pushes toward modern architecture and design with a clean, lineal, contemporary stone look. CutStone is designed for a dry-stack installation and includes flat pieces and 90-degree corner pieces.
2. **Stone Installation:** Drystacked(Tight-fitted).
3. **Dimensions:**
 - Flats:
 - Length: 12, 16, and 24 inches (30.48, 40.64, and 60.96 centimeters).
 - Height: 2 ½ inches (6.35 centimeters).
 - Thickness: 1 3/8 to 1 5/8 inches (3.49 to 4.13 centimeters).
 - Weight: 9.98 pounds per square foot (48.74 kilograms per square meter).



- **Corners:**
 - Length: 8 to 12 inches (20.32 to 30.48 centimeters).
 - Height: 2 1/2 inches (6.35 centimeters).
 - Thickness: 1 3/8 to 1 5/8 inches (3.49 to 4.13 centimeters).
 - Corner Returns: 5 3/4 to 6 inches (14.61 to 15.24 centimeters).
 - Weight: 11.7 pounds per linear foot (17.41 kilograms per linear meter).

H. **Fieldstone Stone Veneer:**

1. **Description:** This fieldstone veneer showcases a timeless, hand-selected look inspired by natural stone formations found in historic landscapes. Each piece features irregular shapes, varied depths, and authentic surface textures that create a rich, dimensional appearance once installed.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - **Flats:**
 - Length: 6 to 15 1/2 inches (15.24 and 39.37 centimeters).
 - Height: 2 to 9 1/2 inches (5.08 and 24.13 centimeters).
 - Thickness: 1 to 3 inches (2.54 to 7.62 centimeters).
 - Weight: 9.26 pounds per square foot (45.23 kilograms per square meter).
 - **Corners:**
 - Length: 5 1/2 to 15 inches (13.97 and 38.1 centimeters).
 - Height: 3 3/4 to 11 1/2 inches (9.53 and 29.21 centimeters).
 - Thickness: 1 1/2 inches (3.81 centimeters)
 - Corner Return: 4 to 6 inches (10.16 and 15.24 centimeters).
 - Weight: 8.85 pounds per linear foot (13.16 kilograms per linear meter).

I. **Laytite Stone Veneer:**

1. **Description:** With a tight narrow design, the Laytite stone makes grout joints seem less apparent and more rustic. The Laytite stone can be installed with 1/2-inch grout joints or drystack, giving any project a natural stacked feel.
2. **Stone Installation:** Drystack (Tight-fitted) or Mortared.



3. **Dimensions:**

- Flats:
 - Length: 6 to 21 inches (15.24 to 53.34 centimeters).
 - Height: 1 ½ to 3 ¾ inches (3.81 to 9.53 centimeters).
 - Thickness: 1 to 2 ¼ inches (2.54 to 5.72 centimeters).
 - Weight: 7.21 pounds per square foot (35.23 kilograms per square meter).
- Corners:
 - Length: 6 to 13 inches (15.24 and 33.02 centimeters).
 - Height: 1 ½ to 3 ¾ inches (3.81 and 9.53 centimeters).
 - Thickness: 1 ½ inches (3.81 centimeters)
 - Corner Return: 4 inches (10.16 centimeters).
 - Weight: 8.33 pounds per linear foot (12.39 kilograms per linear meter).

J. **Ledge Stone Veneer.**

1. **Description:** Ledge has a hand-chiseled appearance and distinct old-world feel providing a timelessly beautiful look. With installation options of tight-fitted or mortared Ledge can be used to achieve a number of unique treatments.
2. **Stone Installation:** Drystack (Tight-fitted) or Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 6 to 15 ½ inches (15.24 and 39.37 centimeters).
 - Height: 2 to 9 ½ inches (5.08 and 24.13 centimeters).
 - Thickness: 1 to 3 inches (2.54 to 7.62 centimeters).
 - Weight: 9.26 pounds per square foot (45.23 kilograms per square meter).
 - Corners:
 - Length: 5 ½ to 15 inches (13.97 and 38.10 centimeters).
 - Height: 3 ¾ to 11 ½ inches (9.53 and 29.21 centimeters).
 - Thickness: 1 ½ inches (3.81 centimeters)
 - Corner Return: 4 to 6 inches (10.16 and 15.24 centimeters).
 - Weight: 8.85 pounds per linear foot (13.16 kilograms per linear meter).



K. Ledge Cut Stone Stone Veneer:

1. **Description:** Ledge Cut is designed to replicate hand chiseled natural Texas stone. Sculpted to create a unique design of modern architecture with rough traditional texture.
2. **Stone Installation:** Drystack (Tight-fitted) or Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 8, 14, and 22 inches (20.32, 35.56, and 55.88 centimeters).
 - Height: 3, 5, and 8 inches (7.62, 12.7, and 20.32 centimeters).
 - Thickness: 1 ¼ to 1 ¾ inches (3.18 to 4.45 centimeters).
 - Weight: 9.81, 10.43, 9.62 pounds per square foot (47.90, 50.91, 46.98 kilograms per square meter).
 - Corners:
 - Length: 7 and 8 inches (17.78 and 20.32 centimeters).
 - Height: 3, 5, and 8 inches (7.62, 12.70, 20.32 centimeters).
 - Thickness: 1 ¼ to 1 ¾ inches (3.18 and 4.45 centimeters).
 - Corner Returns: 3 inches (7.62 centimeters).
 - Weight: 7.58, 10.87, 11.20 pounds per linear foot (11.29, 16.18, 16.67 kilograms per linear meter).

L. Plankwood Stone Veneer:

1. **Description:** PlankWood is the perfect concrete veneer alternative to natural, reclaimed wood. It is lower in maintenance, insect-resistant, and competitively priced in comparison to real wood.
2. **Stone Installation:** Drystack (Tight-fitted).
3. **Dimensions:**
 - Flats:
 - Length: 23 ½ inches (59.69 centimeters).
 - Height: 3 and 6 inches (7.62 and 15.24 centimeters).
 - Thickness: ¾ to 1 inch (1.91 to 2.54 centimeters).
 - Weight: 9.11 pounds per square foot (44.48 kilograms per square meter).



M. River Rock Stone Veneer:

1. **Description:** River Rock was inspired by natural field stones, rounded by years of tumbling in a forest riverbed. Color, cut and texture are carefully designed and crafted to produce a serene and timeless stone.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 4 to 14 ½ inches (10.16 to 36.83 centimeters).
 - Height: 3 ½ to 10 ¾ inches (8.89 to 27.31 centimeters).
 - Thickness: 1 ¼ to 3 inches (3.18 to 7.62 centimeters).
 - Weight: 9.70 pounds per square foot (47.37 kilograms per square meter).
 - Corners:
 - Length: 5 ½ to 11 inches (13.97 to 27.94 centimeters).
 - Height: 3 ½ to 10 ¾ inches (8.89 to 27.31 centimeters).
 - Thickness: 1 ¼ to 3 inches (3.18 to 7.62 centimeters).
 - Corner Return: 4 inches (10.16 centimeters).
 - Weight: 8.04 pounds per linear foot (11.97 kilograms per linear meter).

N. Sandstone Stone Veneer:

1. **Description:** With a blend of ancient architectural style and a modern contemporary feel, Sandstone adds a touch of elegance to any installation. Chiseled by nature and carefully hand-picked, Sandstone has a bold, unique quality of its own.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 6 ¾ to 12 inches (17.15 to 30.48 centimeters).
 - Height: 4 to 10 ½ inches (10.16 to 26.67 centimeters).
 - Thickness: 1 to 2 ¼ inches (2.54 to 5.72 centimeters).
 - Weight: 9.11 pounds per square foot (44.48 kilograms per square meter).



- **Corners:**
 - Length: 6 ½ to 12 inches (16.51 to 30.48 centimeters).
 - Height: 4 to 10 ½ inches (10.16 to 26.67 centimeters).
 - Thickness: 1 to 2 ¼ inches (2.54 to 5.72 centimeters).
 - Corner Return: 4 inches (10.16 centimeters).
 - Weight: 8.07 pounds per linear foot (12.01 kilograms per linear meter).

O. Southern Ledge Stone Veneer:

1. **Description:** Southern Ledge stone veneer is a rough, rugged, and irregular design that helps achieve that natural stone look on any project.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - **Flats:**
 - Length: 4 to 20 inches (10.16 to 50.80 centimeters).
 - Height: ½ to 6 inches (1.27 to 15.24 centimeters).
 - Thickness: 1 to 2 ¾ inches (2.54 to 6.99 centimeters).
 - Weight: 5.28 pounds per square foot (25.78 kilograms per square meter).
 - **Corners:**
 - Length: 4 to 20 inches (10.16 to 50.80 centimeters).
 - Height: 1/2 to 6 inches (1.27 to 15.24 centimeters).
 - Thickness: 1 to 2 ¾ inches (2.54 to 6.99 centimeters).
 - Corner Return: 4 inches (10.16 centimeters).
 - Weight: 7.06 pounds per linear foot (10.51 kilograms per linear meter).

P. Stack-Ease Stone Veneer:

1. **Description:** Stack-Ease is a modular unit, designed to achieve a traditional stacked look in a panel system. This system helps reduce installation time while still achieving a clean, tight, drystack look.
2. **Stone Installation:** Drystacked (Tight-fitted)
3. **Dimensions:**



- Flats:
 - Length: 8, 12, and 20 inches (20.32, 30.48, and 50.80 centimeters).
 - Height: 3 inches (7.62 centimeters).
 - Thickness: $\frac{3}{4}$ to $1\frac{3}{4}$ inches (1.91 to 4.45 centimeters).
 - Weight: 9.81 pounds per square foot (47.90 kilograms per square meter).
- Corners:
 - Length: $7\frac{1}{2}$ to $12\frac{1}{4}$ inches (19.05 to 31.12 centimeters).
 - Height: 3 inches (7.62 centimeters).
 - Thickness: $\frac{3}{4}$ to $1\frac{3}{4}$ inches (1.91 to 4.45 centimeters).
 - Corner Returns: $3\frac{3}{4}$ to $4\frac{1}{4}$ inches (9.53 to 10.80 centimeters).
 - Weight: 10.42 pounds per linear foot (15.51 kilograms per linear meter).

2.4 BRICK VENEERS

SPECIFIER NOTES: DELETE PRODUCTS AND OPTIONS NOT REQUIRED FOR THIS PROJECT. OPTIONS ARE INDICATED WITH SQUARE BRACKETS.

A. Handcut Brick Veneer:

1. **Description:** Handcut Brick showcases a contemporary charm with its sleek modern lines, rich textures, and welcoming color palettes. Enjoy hassle-free installation: no footers, special bracing, or wall ties required.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: $7\frac{1}{2}$ inches (19.05 centimeters).
 - Height: $2\frac{1}{4}$ inches (5.72 centimeters).
 - Thickness: 1 to $1\frac{1}{2}$ inches (2.54 to 3.81 centimeters).
 - Weight: 6.51 pounds per square foot (31.79 kilograms per square meter).
 - Corners:
 - Length: $7\frac{1}{2}$ inches (19.05 centimeters).
 - Height: $2\frac{1}{4}$ inches (5.72 centimeters).
 - Thickness: 1 to $1\frac{1}{2}$ inches (2.54 to 3.81 centimeters).
 - Corner Returns: $3\frac{1}{2}$ inches (8.89 centimeters).
 - Weight: 6.16 pounds per linear foot (9.16 kilograms per linear meter).

B. Heritage Brick Veneer:



1. **Description:** Heritage Brick by Pioneer Stone offers the classic look of traditional brick with the reliability of modern manufactured stone veneer. Featuring soft texture variation and warm, and weathered tones.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 8 ¼ inches (20.96 centimeters).
 - Height: 2 ½ inches (6.35 centimeters).
 - Thickness: 1 inch (2.54 centimeters)
 - Weight: 6.45 pounds per square foot (31.51 kilograms per square meter).
 - Corners:
 - Length: 8 ¼ inches (20.96 centimeters).
 - Height: 2 ½ inches (6.35 centimeters).
 - Thickness: 1 inch (2.54 centimeters).
 - Corner Returns: 3 ½ inches (8.89 centimeters).
 - Weight: 6.95 pounds per linear foot (10.33 kilograms per linear meter).

C. Original Brick Veneer:

1. **Description:** Our original Brick Veneer lends itself useful in any application that demands stringent modular design and textures. The lightweight design requires no footer, special bracing
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - Flats:
 - Length: 7 ½ inches (19.05 centimeters).
 - Height: 2 ¼ inches (5.72 centimeters).
 - Thickness: 1 ¼ to 1 3/8 inches (3.18 to 3.49 centimeters).
 - Weight: 7 pounds per square foot (34.19 kilograms per square meter).
 - Corners:
 - Length: 7 1/8 to 7 ½ inches (18.10 to 19.05 centimeters).
 - Height: 2 ¼ inches (5.72 centimeters).
 - Thickness: 1 ¼ inches to 1 3/8 inches (3.18 and 3.49 centimeters).
 - Corner Returns: 3 ¼ inches (8.26 centimeters).
 - Weight: 6.16 pounds per square foot (9.16 kilograms per square meter).

D. Used Brick Veneer:



1. **Description:** Add a touch of old-world charm with our Used Brick Veneer. This unique veneer is slightly longer with a rougher texture than our Original Brick profile and is perfect for mixing and matching with other veneers.
2. **Stone Installation:** Mortared.
3. **Dimensions:**
 - **Flats:**
 - Length: 7 7/8 to 8 inches (20 to 20.32 centimeters).
 - Height: 2 to 2 1/4 inches (5.08 to 5.72 centimeters).
 - Thickness: 1 1/4 to 1 1/2 inches (3.18 to 3.81 centimeters).
 - Weight: 7.08 pounds per square foot (34.56 kilograms per square meter).
 - **Corners:**
 - Length: 7 7/8 to 8 inches (20 to 20.32 centimeters).
 - Height: 2 to 2 1/4 inches (5.08 to 5.72 centimeters).
 - Thickness: 1 1/4 to 1 1/2 inches (3.18 to 3.81 centimeters).
 - Corner Returns: 3 3/4 to 4 inches (8.26 to 10.16 centimeters).
 - Weight: 6.88 pounds per square foot (10.24 kilograms per square meter).

2.5 ACCESSORIES

SPECIFIER NOTES: DELETE PRODUCTS AND OPTIONS NOT REQUIRED FOR THIS PROJECT. OPTIONS ARE INDICATED WITH SQUARE BRACKETS.

Pioneer Stone uses the finest materials available with permanent iron oxide dyes to produce superior quality stone veneer accessories such as wall caps, windowsills, and pillar caps. These products are used to match all our stone colors.

A. **Hearth Stone / Column Caps:**

- **Small:**
 - Length: 20 inches (50.80 centimeters).
 - Height: 1 3/4 inches (4.44 centimeters).
 - Depth: 20 inches (50.80 centimeters).



- Weight: 27.95 pounds per square foot
- **Small:**
 - Length: 24 inches (60.96 centimeters).
 - Height: 2 ¼ inches (5.72 centimeters).
 - Depth: 24 inches (60.96 centimeters).
 - Weight: 66.85 pounds per square foot
- **Large:**
 - Length: 30 inches (76.20 centimeters).
 - Height: 3 ½ inches (8.89 centimeters).
 - Depth: 30 inches (76.20 centimeters).
 - Weight: 63 pounds per square foot

B. Electrical Box Trim Plate:

- **Dimensions:**
 - Length: 6, 8, 9, to 11 inches (15.24, 20.32, 22.86, and 27.94 centimeters).
 - Height: 8, 8, 7, 7 ½ inches (20.32, 20.32, 17.78, and 19.05 centimeters).
 - Depth: 1 ¾ inches (4.445 centimeters).
 - Weight: 1.8, 2.25, 2.4, 3.20 pounds per square foot

D. Keystone Stones:

- **Dimensions:**
 - Length: 5 to 9 inches (12.7 and 22.86 centimeters).
 - Height: 10 inches (25.4 centimeters).
 - Depth: 3 inches (7.62 centimeters).
 - Weight: 4.65 pound per square foot

E. Light Box Mounting Plate Center Mount:

- **Center Mount:**



- Length: 8 inches (20.32 centimeters).
- Height: 14 inches (35.56 centimeters).
- Depth: 1 ½ inches (3.81 centimeters).
- Weight: 8.31 pound per square foot

F. Rowlock 24”:

- **Dimensions:**

- Length: 23 ½ inches (59.69 centimeters).
- Height: 3 to 6 inches (7.62 and 15.24 centimeters).
- Depth:
- Weight: 12.10 pounds per square foot

G. Soldier Course 2”:

- **Dimensions:**

- Length: 7 ½ inches (19.05 centimeters).
- Height: 2 ¼ inches (5.72 centimeters).
- Depth: 2” inches (5.08 centimeters)
- Weight: 1.3 pounds per square foot

H. Spigot Stone 6” x 4”:

- **Dimensions:**

- Length: 6 inches (15.24 centimeters).
- Height: 4 inches (10.16 centimeters).
- Depth: 1 ¾ inches (4.44 centimeters).
- Weight: 1.25 pounds per square foot

I. Trim Stone 6” x 8”:

- **Dimensions:**

- Length: 6 inches (15.24 centimeters).



- Height: 8 inches (20.32 centimeters).
- Thickness: 1 ¾ inches (4.44 centimeters).
- Weight: 3.1 pounds per square foot

J. Wall Cap 13” x 36” Full:

1. Full Cap:

2. Length: 36 inches (91.44 centimeters).
3. Height: 2 ¼ inches (5.72 centimeters).
4. Depth: 13 inches (33.02 centimeters).
5. Weight: 53.10 pounds per square foot

K. Watertable Sill Straight and Corner:

- Straight:
 - Length: 23 ½ inches (59.69 centimeters).
 - Height: 3 inches (7.62 centimeters).
 - Depth: 3 ¼ inches (8.26 centimeters).
 - Weight: 9.2 pounds per square foot
- Corners:
 - Length: 12 inches (30.48 centimeters).
 - Height: 3 inches (7.62 centimeters).
 - Depth: 3 ¼ inches (8.26 centimeters).
 - Corner Returns: 12 inches (30.48 centimeters).
 - Weight: 7.75 pounds per linear foot

3 Part 3 – EXECUTION

3.1 EXAMINATION

- A. Examine Project conditions and completed Work and verify that substrate surfaces are ready to receive Work.



- B. Immediately correct all deficiencies and conditions which would cause improper execution of Work specified in this Section and subsequent Work.
- C. Proceeding with Work specified in this Section shall be interpreted to mean that all conditions were determined to be acceptable prior to start of Work. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly and remove extraneous materials prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best results for the substrate under project conditions.

3.3 INSTALLATION

- A. Install stone or brick veneer in accordance with the manufacturer's instructions and recommendations.
- B. Do not begin installation until the backing structure is plumb, bearing surfaces are level, and substrates are clean and supported.
- C. Coordinate placement of reinforcement, anchors and accessories, flashings, and other moisture control products supplied by other sections.
- D. Clean all built-in items of loose rust, ice, mud, or other foreign matter before incorporating into the wall.
- A. If required, provide temporary bracing during installation of masonry work.

3.4 PROTECTION

- A. Protection, General: In addition to general requirements specified in Section [01 50 00 – Temporary Facilities and Controls,] [01 54 00 – Construction Aids,] [Section 01 56 00 – Temporary Barriers and Enclosures,] [Section 01 60 00 – Product Requirements,] and [Section 01 77 00 – Closeout Procedures,] comply also with the following requirements.
 - 1. Protect installed products until completion of project.
 - 2. Protect adjacent work areas and finish surfaces from damage during product installation.
 - 3. Cover the top of unfinished masonry work to protect it from weather.
 - 4. Prevent staining of brick from mortar, grout, sealants, and other sources. Immediately remove such materials from brick without damage to the brickwork.
 - 5. Protect the base of walls from mud and mortar splashes by covers spread on ground and over wall surface.
 - 6. Adjust or reset any materials distributed by successive operations.



7. Repair, touch-up, or replace damaged products before Substantial Completion.
- B. Maintenance of Protective Measures: Maintain protective devices until Work is [ready for Substantial Completion review.] [ready for Acceptance] [accepted].
- C. Removal of Protective Measures: Unless otherwise directed, remove protective devices and complete final cleaning [for Substantial Completion review.] [upon Acceptance of the Work]. [Protective devices will be removed by Owner.]

3.5 ADJUSTMENT AND CLEANING

- A. Labels and Coverings: Remove all labels and protective coverings from completed Work.
- B. Cleaning: Thoroughly clean the Work specified in this Section and adjoining surfaces and areas affected by installation.
 1. Clean exposed faces to remove dirt and stains which may be on units after erection and completion of joint treatments.
 2. Wash and rinse as recommended by the manufacturer.
 3. Do not use cleaning materials or processes which could change the character of the exposed finishes.

END OF SECTION