



**SECTION 04 70 00 – MANUFACTURED MASONRY
PIONEER STONE BY J&N STONE MANUFACTURING, LLC.**

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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. Bedford Stone Veneer.
 - 3. CastStone Stone Veneer.
 - 4. Cobble Stone Veneer.
 - 5. Coral Stone Veneer.
 - 6. Coral24 Stone Veneer.
 - 7. Country Ledge Stone Veneer.
 - 8. Cutstone Stone Veneer.
 - 9. Laytite Stone Veneer.
 - 10. Ledge Cut Stone Veneer.
 - 11. Plankwood Stone Veneer.
 - 12. River Rock Stone Veneer.
 - 13. Sandstone Stone Veneer.
 - 14. Southern Ledge Stone Veneer.
 - 15. Stack-Ease Stone Veneer.
- B. Brick Veneers
 - 1. 100 Series Brick-Ease™ Brick Veneer.
 - 2. 200 Series Brick-Ease™ 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.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Specified Manufacturer: Pioneer Stone by J&N Stone Manufacturing, LLC. 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 by J&N Stone conforms to the following performance standards:
 1. Compressive Strength:

- a. ASTM C1670/C1670M-23.
- b. 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: A combination of clean lines and natural colors makes Ashlar artificial stone the choice for your next project. Tightly stacked stones and simple patterns give Ashlar artificial stones a contemporary look and a pleasing aesthetic for your next building needs.
 - 2. Stone Installation: Tightly stacked.
 - 3. Dimensions:
 - a. Flats:
 - 1) Length: 7.5 to 16.5 inches (19.1 to 41.9 centimeters).
 - 2) Height: 3.75 to 11.5 inches (9.5 to 29.2 centimeters).
 - 3) Thick: 1.5 to 2.5 inches (2.5 to 6.4 centimeters).
 - b. Corners:
 - 1) Length: 5.5 to 15 inches (14 to 38.1 centimeters).
 - 2) Height: 1.875 to 11.75 inches (4.8 to 29.9 centimeters).
 - 3) Thick: 1.5 to 2.5 inches (2.5 to 6.4 centimeters).
 - 4) Corner Returns: 4 to 6 inches (10.2 to 15.2 centimeters).
 - 5) Weight: 9.77 pounds per linear foot (14.5 kilograms per linear meter).

- B. Bedford Stone Veneer:
 - 1. Description: Bedford was made from natural bedrock. Each stone was hand-picked and crafted to produce the best quality stone possible. As a distinct larger style of stone and its relatively smooth texture the Bedford delivers more depth than any other style.
 - 2. Stone Installation: Mortared.
 - 3. Dimensions:
 - a. Flats:
 - 1) Length: 4 to 14.5 inches (10.2 to 36.8 centimeters).
 - 2) Height: 3.5 to 10.75 inches (8.9 to 27.3 centimeters).
 - 3) Thick: 1.25 to 3 inches (3.2 to 7.6 centimeters).
 - 4) Weight: 11.2 pounds per square foot (54.9 kilograms per square meter).
 - b. Corners:
 - 1) Length: 5.5 to 11 inches (14 to 38.1 centimeters).
 - 2) Height: 5 to 10.75 inches (4.8 to 29.9 centimeters).
 - 3) Thick: 1.25 to 3 inches (2.5 to 6.4 centimeters).
 - 4) Weight: 12.6 pounds per linear foot (18.8 kilograms per linear meter).

- C. 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:
 - a. Flats:
 - 1) Length: 23.5 inches (59.7 centimeters).
 - 2) Height: 11.5 inches (29.2 centimeters).
 - 3) Thick: Varying from 1.5 inches (3.8 centimeters).
 - 4) Weight: 10 pounds per linear foot (14.9 kilograms per linear meter).

- D. Cobble Stone Veneer:
 - 1. Description: Cobblestone combines clean-cut stone with naturally rugged edges to form a perfect display for stone layering. The product line of Cobblestone offers a variety of shapes and nature-inspired

colors to meet your every need. Beautiful and distinctive, Cobblestone can enhance any home or commercial office while easily increasing the property value.

2. Stone Installation: Mortared.
 3. Dimensions:
 - a. Flats:
 - 1) Length: 5.25 to 16 inches (13.3 to 40.6 centimeters).
 - 2) Height: 3.5 to 9.5 inches (8.9 to 24.1 centimeters).
 - 3) Thick: 1.25 to 2.5 inches (3.175 to 6.35 centimeters).
 - 4) Corner Returns: 4 inches (10.2 centimeters).
 - 5) Weight: 7.98 pounds per square foot (39 kilograms per square meter).
 - b. Corners:
 - 1) Length: 5.25 to 13.75 inches (20 to 34.9 centimeters).
 - 2) Height: 3.75 to 14 inches (9.5 to 35.6 centimeters).
 - 3) Thick: 1.25 to 2.5 inches (3.175 to 6.35 centimeters).
 - 4) Corner Returns: 4 inches (10.2 centimeters).
 - 5) Weight: 9.14 pounds per square foot (44.6 kilograms per square meter).
- E. Coral Stone Veneer:
1. Description: The delicate fossil patterns and textured surfaces of Coral Reef are a perfect complement to classic or contemporary architecture. Neutral cream, golden, and terracotta tones create a beautiful finish. It can be installed in either a random ashlar or a repeating pattern.
 2. Stone Installation: [Random ashlar] or [Repeating pattern].
 3. Dimensions:
 - a. Flats:
 - 1) Length: 7.75 to 16 inches (19.7 to 40.6 centimeters).
 - 2) Height: 3.5 to 12 inches (8.9 to 30.5 centimeters).
 - 3) Thick: 1.5 to 1.75 inches (2.5 to 4.4 centimeters).
- F. 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:
 - a. Flats:
 - 1) Length: 23.5 inches (59.7 centimeters).
 - 2) Height: 12 inches (30.5 centimeters).
 - 3) Thick: Varying from 1.5 inches (3.8 centimeters).
 - 4) Weight: 10 pounds per square foot (48.8 kilograms per square meter).
 - b. Corners:
 - 1) Length: 16.5 inches (41.9 centimeters).
 - 2) Height: 12 inches (30.5 centimeters).
 - 3) Thick: Varying from 1.5 inches (3.8 centimeters).
- G. 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. This visually balanced combination is one of our most popular and striking blended styles.
 2. Stone Installation: [Tight-fitted] or [Mortared].
 3. Dimensions:
 - a. Flats:
 - 1) Length: 5.25 to 20 inches (13.3 to 50.81 centimeters).
 - 2) Height: 3.5 to 10.5 inches (8.9 to 26.7 centimeters).
 - 3) Thick: 1.25 to 3.5 inches (3.175 to 8.9 centimeters).
 - 4) Corner Returns: 4 inches (10.2 centimeters).
 - 5) Weight: 8.62 pounds per square foot (42.1 kilograms per square meter).
 - b. Corners:
 - 1) Length: 5.25 to 13.75 inches (20 to 34.9 centimeters).
 - 2) Height: 3.75 to 14 inches (9.5 to 35.6 centimeters).
 - 3) Thick: 1.25 to 3.5 inches (3.175 to 8.9 centimeters).
 - 4) Corner Returns: 4 inches (10.2 centimeters).
 - 5) Weight: 14.59 pounds per square foot (71.2 kilograms per square meter).

H. Cutstone Stone Veneer:

1. Description: CutStone™ pushes toward modern architecture and design in the manufactured stone industry. Search no further than CutStone™ when looking for a clean, lineal, contemporary stone to finish your next project. CutStone™ is designed for a dry-stack installation and includes flat pieces and 90 degree corner pieces.
2. Stone Installation: Drystack.
3. Dimensions:
 - a. Flats:
 - 1) Length: 12, 16, and 24 inches (30.5, 40.6, and 61 centimeters).
 - 2) Height: 2.5 inches (6.4 centimeters).
 - 3) Thick: 1.375 to 1.625 inches (3.5 to 4.1 centimeters).
 - 4) Weight: 11.09 pounds per square foot (54.1 kilograms per square meter).
 - b. Corners:
 - 1) Length: 8 to 12 inches (20 to 30.5 centimeters).
 - 2) Height: 2.5 inches (6.4 centimeters).
 - 3) Thick: 1.375 to 1.625 inches (3.5 to 4.1 centimeters).
 - 4) Corner Returns: 5.75 to 6 inches (10.2 to 15.2 centimeters).
 - 5) Weight: 14.32 pounds per square foot (69.9 kilograms per square meter).

I. Laytite Stone Veneer:

1. Description: Laytite stone veneer offers a layered-type profile. 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 (2.5 centimeters) grout joints or drystack, giving any project a natural stacked feel. These stones compliment any hardy board siding project or look great by themselves.
2. Stone Installation: [1/2 inch (2.5 centimeters) grout joints] or [Drystack].
3. Dimensions:
 - a. Flats:
 - 1) Length: 6 to 21 inches (15.2 to 53.3 centimeters).
 - 2) Height: 1.5 to 3.25 inches (3.8 to 8.3 centimeters).
 - 3) Thick: 1 to 2.5 inches (2.5 to 6.4 centimeters).
 - 4) Weight: 8.15 pounds per square foot (39.8 kilograms per square meter).
 - b. Corners:
 - 1) Thick: 1 to 2.5 inches (2.5 to 6.4 centimeters).

J. Ledge Cut Stone Stone Veneer:

1. Description: Ledge stone has a hand-crafted, hand-chiseled appearance and a distinctly old-world feel. Ledge stone provides a perfect classic look; it is timeless and beautiful for any building project. Homeowners love Ledge stone's rugged and informal appeal, with its rough-hewn texture and irregularity. With installation options of tight-fitted or mortared, Ledge stone can be used to achieve several unique treatments.
2. Stone Installation: [Tight-fitted] or [Mortared].
3. Dimensions:
 - a. Flats:
 - 1) Length: 8, 14, and 22 inches (20.3, 35.6, and 55.9 centimeters).
 - 2) Height: 3, 5, and 8 inches (7.6, 12.7, and 20.3 centimeters).
 - 3) Thick: 1.25 to 1.75 inches (3.2 to 4.4 centimeters).
 - 4) Weight: 12.5 pounds per square foot (61 kilograms per square meter).
 - b. Corners:
 - 1) Length
 - 2) Height:
 - 3) Thick:
 - 4) Corner Returns: 3 inches (7.6 centimetres).

K. Plankwood Stone Veneer:

1. Description: Plankwood is the perfect alternative to natural reclaimed wood. Being that it's a thin concrete veneer, its lower in maintenance and is insect resist, compared to natural reclaimed wood. Plankwood is a great alternative to the ever increasing price and low availability of natural wood. Look no further for your next wood project than Plankwood.
2. Stone Installation: Drystack.
3. Dimensions:
 - a. Flats:

- 1) Length: 23.5 inches (59.7 centimeters).
- 2) Height: 3 and 6 inches (7.6 and 15.2 centimeters).
- 3) Thick: 0.75 to 1 inch (1.9 to 2.5 centimeters).
- 4) Weight: 10 pounds per square foot (48.8 kilograms per square meter).

L. River Rock Stone Veneer:

1. Description: River Rock was inspired by natural field stones. Randomly shaped River Rock has the warm and inviting look of stones rounded by years of tumbling in a forest riverbed. Color, cut, and texture are carefully hand-picked and crafted to produce the best quality stone. Serene and timeless, River Rock can be used to accentuate a variety of interior and exterior designs.
2. Stone Installation: Mortared.
3. Dimensions:
 - a. Flats:
 - 1) Length: 4 to 14.5 inches (10.2 to 36.8 centimeters).
 - 2) Height: 3.5 to 10.5 inches (8.9 to 26.7 centimeters).
 - 3) Thick: 1.25 to 3 inches (3.2 to 7.6 centimeters).
 - 4) Weight: 10.9 pounds per square foot (53.2 kilograms per square meter).
 - b. Corners:
 - 1) Length: 5.5 to 11 inches (14 to 27.9 centimeters).
 - 2) Height: 5 to 10.75 inches (12.7 to 27.3 centimeters).
 - 3) Thick: 1.25 to 3 inches (3.2 to 7.6 centimeters).
 - 4) Weight: 9.7 pounds per linear foot (47.4 kilograms per linear meter).

M. 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, the Sandstone has a bold, unique quality of its own. Warm colors combined with sharp cuts give Sandstone a nice balance.
2. Stone Installation: Mortared.
3. Dimensions:
 - a. Flats:
 - 1) Length: 6.75 to 12 inches (17.1 to 30.5 centimeters).
 - 2) Height: 4 to 10.5 inches (10.2 to 26.7 centimeters).
 - 3) Thick: 1 to 2.25 inches (2.5 to 5.7 centimeters).
 - 4) Weight: 9.1 pounds per square foot (44.4 kilograms per square meter).
 - b. Corners:
 - 1) Length: 6.5 to 12 inches (16.5 to 30.5 centimeters).
 - 2) Height: 4 to 10.5 inches (10.2 to 26.7 centimeters).
 - 3) Thick: 1 to 2.25 inches (2.5 to 5.7 centimeters).
 - 4) Weight: 8.8 pounds per linear foot (13.1 kilograms per linear meter).

N. Southern Ledge Stone Veneer:

1. Description: Southern Ledge stone veneer is a rough, rugged, and irregular design that helps achieve a natural stone look on any project.
2. Stone Installation: Mortared.
3. Dimensions:
 - a. Flats:
 - 1) Length: 4 to 20 inches (10.2 to 50.8 centimeters).
 - 2) Height: 0.5 to 6 inches (8.9 to 15.2 centimeters).
 - 3) Thick: 1 to 2.75 inches (3.2 to 7 centimeters).
 - 4) Weight: 11 pounds per square foot (53.7 kilograms per square meter).
 - b. Corners:
 - 1) Length: 4 to 20 inches (10.2 to 50.8 centimeters).
 - 2) Height: 0.5 to 6 inches (8.9 to 15.2 centimeters).
 - 3) Thick: 1 to 2.75 inches (3.2 to 7 centimeters).
 - 4) Weight: 12 pounds per linear foot (12.9 kilograms per linear meter).

O. 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: Panel system.
3. Dimensions:

- a. Flats:
 - 1) Length: 8, 12, and 20 inches (20.3, 30.5, and 50.8 centimeters).
 - 2) Height: 3 inches (7.6 centimeters).
 - 3) Thick: 1.25 to 1.75 inches (3.2 to 4.4 centimeters).
 - 4) Weight: 10.07 pounds per square foot (49.2 kilograms per square meter).
- b. Corners:
 - 1) Length: 8 to 12 inches (20 to 30.5 centimeters).
 - 2) Height: 2.5 inches (6.4 centimeters).
 - 3) Thick: 1.375 to 1.625 inches (3.5 to 4.1 centimeters).
 - 4) Corner Returns: 5.75 to 6 inches (10.2 to 15.2 centimeters).
 - 5) Weight: 10.56 pounds per square foot (51.6 kilograms per square meter).

2.4 BRICK VENEERS

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

- A. 100 Series Brick-Ease™ Brick Veneer:
 - 1. Description: 100 Series Brick-Ease™ brick veneer is ideal for any application that demands stringent modular design and textures unmatched anywhere in the world. Installation is at "Ease" whether remodeling or building new. The lightweight design requires no footer, special bracing, or wall ties. At 1.5 inches (3.8 centimeters) in overall thickness, mixing other J&N Stone® veneer products for that "One of a kind look" is now only limited by your imagination. Blending J&N Brick-Ease®, J&N Stone Veneers®, or any of the J&N Cast Stone® products becomes a simple task unmatched by any manufacturer in the industry.
 - 2. Dimensions:
 - a. Flats:
 - 1) Length: 7.5 inches (19.1 centimeters).
 - 2) Height: 2.25 inches (5.7 centimeters).
 - 3) Thick: 1.25 to 1.375 inches (3.2 to 3.5 centimeters).
 - 4) Weight: 7.98 pounds per square foot (39 kilograms per square meter).
 - b. Corners:
 - 1) Length: 7.125 to 7.5 inches (18.1 to 19.1 centimeters).
 - 2) Height: 2.25 inches (5.7 centimeters).
 - 3) Thick: 1.25 inches (3.2 centimeters).
 - 4) Corner Returns: 3.25 inches (8.3 centimeters).
 - 5) Weight: 6.13 pounds per square foot (29.9 kilograms per square meter).
- B. 200 Series Brick-Ease™ Brick Veneer:
 - 1. Description: 200 Series Brick-Ease™ brick veneer has a slightly longer and rougher texture than the 100 Series and gives a unique, old age appearance. We've developed a brick veneer selection for any project. The "Ease" in Brick-Ease™ says it all, from design to jobsite implementation, there is no other brick veneer product that offers as much versatility and color design options in the market.
 - 2. Dimensions:
 - a. Flats:
 - 1) Length: 7.875 to 8 inches (20 to 20.3 centimeters).
 - 2) Height: 2 to 2.25 inches (5.1 to 5.7 centimeters).
 - 3) Thick: 1.25 to 1.5 inches (3.2 to 3.5 centimeters).
 - 4) Weight: 8.27 pounds per square foot (40.4 kilograms per square meter).
 - b. Corners:
 - 1) Length: 7.75 to 8 inches (19.7 to 20.3 centimeters).
 - 2) Height: 2 to 2.25 inches (5.1 to 5.7 centimeters).
 - 3) Thick: 1.125 to 1.75 inches (2.9 to 4.4 centimeters).
 - 4) Corner Returns: 3.75 to 4 inches (9.5 to 10.2 centimeters).
 - 5) Weight: 7.04 pounds per square foot (34.4 kilograms per square meter).

2.5 ACCESSORIES

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

- A. Pioneer Stone by J&N 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.
 - 1. Sills:
 - a. Flats:
 - 1) Length: 23.75 inches (60.3 centimeters).
 - 2) Height: 3 inches (7.6 centimeters).
 - 3) Thick: 3.25 to 3.375 inches (8.3 to 8.6 centimeters).
 - 4) Weight: 8.6 pounds per sill (3.9 kilograms per sill).
 - 2. Keystone and Trim Stones.
 - 3. Watertable/Sill Caps.
 - 4. Hearth Stone.
 - 5. Wall Caps.
 - 6. Column Caps
 - 7. Electric Outlets and Light Outlets. Bands.
 - 8. Brick Rowlock and Soldier Course.

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.
- E. 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