PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes unit masonry assemblies consisting of the following:

1. Concrete Masonry Units
2. Load Bearing Atlas Brick
3. Shaped Trim
4. Precast Trim
5. Mortar and grout.
6. Reinforcing steel.
7. Masonry joint reinforcement.
8. Miscellaneous masonry accessories.
9. Through Wall Flashing

B. Related Sections include the following:

1. Division 7 Section "Firestopping" for firestopping at tops of masonry walls and at openings in masonry walls.
2. Division 7 Section "Joint Sealers" for custom color joint sealers in control joints to match masonry unit colors or as scheduled.

C. Products installed, but not furnished, under this Section include the following:

1. Steel lintels for unit masonry, furnished under Division 5 Section "Metal Fabrications."
2. Hollow-metal frames in unit masonry openings, furnished under Division 8 Section "Steel Doors and Frames."

1.3 PERFORMANCE REQUIREMENTS

1. Provide unit masonry with strength and material properties as indicated in the General Structural Notes

1.4 SUBMITTALS

A. Product Data: For each different masonry unit, accessory, and other manufactured product specified.

B. Shop Drawings: Show fabrication and installation details for the following:
1. **Reinforcing Steel**: Detail bending and placement of unit masonry reinforcing bars. Comply with ACI 315, "Details and Detailing of Concrete Reinforcement." Show elevations of reinforced walls.

2. **Fabricated Flashing**: Detail corner units, end-dam units, and other special applications.

3. **Shaped trim**

C. **Samples for Initial Selection**: For the following:

1. Unit masonry Samples in small-scale form showing the full range of colors and textures available for each different exposed masonry unit required.
2. Colored mortar Samples showing the full range of colors available.

D. **Samples for Verification**: For the following:

1. Full-size units for each different exposed masonry unit required, showing the full range of exposed colors, textures, and dimensions to be expected in the completed construction.
2. Colored mortar Samples for each color required, showing the full range of colors expected in the finished construction. Make samples using the same sand and mortar ingredients to be used on Project.
3. Weep holes/vents in color to match mortar color.
4. Accessories embedded in the masonry.

E. **List of Materials Used in Constructing Mockups**: List generic product names together with manufacturers, manufacturers' product names, model numbers, lot numbers, batch numbers, source of supply, and other information as required to identify materials used. Include mix proportions for mortar and grout and source of aggregates.

1. Submittal is for information only. Neither receipt of list nor approval of mockup constitutes approval of deviations from the Contract Documents, unless such deviations are specifically brought to the attention of the Architect and approved in writing.

F. **Qualification Data**: For firms and persons specified in "Quality Assurance" Article.

G. **Material Test Reports**: From a qualified testing agency indicating and interpreting test results of the following for compliance with requirements indicated:

1. Each type of masonry unit required.
   a. Include size-variation data for brick, verifying that actual range of sizes falls within specified tolerances.
   b. Include test results, measurements, and calculations establishing net-area compressive strength of masonry units.

2. Mortar complying with property requirements of **ASTM C270**.
3. Grout mixes complying with compressive strength requirements of **ASTM C 476**.
4. Include description of type and proportions of grout ingredients.

H. **Material Certificates**: Signed by manufacturers certifying that each of the following items complies with requirements:

1. Each type of masonry unit required.
   a. Include size-variation data for brick, verifying that actual range of sizes falls within specified tolerances.