

SECTION 06 61 00 – SIMULATED STONE FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Molded simulated stone fabrications.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.3 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide molded simulated stone ornaments which have been manufactured, fabricated and installed to withstand loads indicated in the Florida Building Code and to maintain performance criteria stated by the manufacturer without defects, damage or failure.
- B. Fire-Test Characteristics: Test molded units per ASTM E84 for Class A requirement by UL or other testing and inspecting agency acceptable to authorities having jurisdiction.

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's descriptive literature, specifications, installation instructions and warranty.
- B. Shop Drawings: Submit full-scale details and method of installation.
- C. Samples: Provide samples of standard design or profile of custom design.

1.5 QUALITY ASSURANCE

- A. Fabricator Qualifications: Firm experienced in producing architectural shaped polystyrene similar to that indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units without delaying the Work.
- B. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
- C. Regulatory Requirements: Comply with appropriate sections of the Florida Building Code.

- D. Preinstallation Meetings: Conduct preinstallation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements.

1.6 DELIVERY, STORAGE & HANDLING

- A. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- B. Delivery: Deliver, store and handle according to instructions from the manufacturer

1.7 PROJECT CONDITIONS

- A. General: Furnish and install in cooperation with other trades.
- B. Field Measurements: Coordinate field measurements and shop drawings with fabrication and shop assembly.
- C. Environmental Limitations: Obtain and comply with manufacturer's and installer's coordinated advice for optimum temperature and humidity conditions for product during its storage.
- D. Weather Limitations: Proceed with installation of exterior shaped polystyrene only when existing and forecasted weather conditions will permit work to be performed without exposure to rain, or dampness during curing of adhesives.

1.8 WARRANTY

- A. Manufacturer's Warranty: Submit manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.
 - 1. Warranty Period: Manufacturer life time limited warranty against defects in material and workmanship as stated in literature commencing on date of substantial completion.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis-of-Design Product: The design for molded simulated stone ornament systems is based on Architectural Stone Solutions, Inc; RomanRock Molded Stonework. Subject to compliance with requirements, provide the named product or a prior approved comparable product.

2.2. PRODUCTS

- A. Standard Roman Rock:
 - 1. Material: High-density polymer, with higher skin density.
 - 2. Moisture Resistance: Non-water absorbing.
 - 3. Fire Rating: Fire rated Class 1 when made with UTC-6022
- B. Texture: Manufacturer's standard (**keystone – sandstone**) texture.

2.3 FINISHES

- A. All Roman Rock products are shipped from the factory with a topcoat of exterior paint. It is not required to paint Roman Rock product after field installation , however, an additional topcoat applied in the field will ensure a longer lasting finish.
- B. The following guidelines should be used if you choose to apply paint to Roman Rock products:
 - 1. Surface Preparation: All Roman Rock products are shipped from the factory with two coats of paint applied, a barrier coat bonded directly to the polyurethane and a topcoat. Before applying any paint to the product, the surface must be free of any contaminates, especially any dirt, grease or oils that may have been transferred to the product surface during installation or in transit from the factory. RomanRock recommends all surfaces be wiped down with a mild water and ammonia solution (or equivalent) prior to painting to remove contaminates.
 - 2. Paint Selection: Any quality paint, either latex or oil based can be applied to Roman Rock products. Factory applied topcoat is a latex based exterior grade paint.
 - 3. Color Selection: All Roman Rock products are subject to expansion and contraction. Darker colors, specifically black, dark greens and dark blues absorb more of the sun's radiation than do lighter paints and cause substantially greater than normal expansion and contraction in materials. Therefore, these finished colors are not recommended for rigid foam polyurethane products.

2.4 ACCESSORIES

- A. Construction Adhesive and Fasteners: As recommended by Manufacturer.

PART 3 - EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions and product carton instructions for installation.

3.2 EXAMINATION

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3.3 INSTALLATION

- A. General: Follow manufacturer's instruction sheets.
- B. Install molded simulated stone plumb, level, true, and straight with no distortions. Install to a tolerance of 1/8 inch in 96 inches for plumb and level.
- C. Materials: Fill holes with textured grout and sand for finishing material.
- D. Field Applied Coating: Finish with high quality exterior coating

3.4 CLEANING

- A. Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions. Remove construction debris from project site and legally dispose of debris.
- B. Repair damaged and defective work where possible to eliminate functional and visual defects; where not possible to repair, replace work. Adjust joinery for uniform appearance.
- C. Clean work on exposed and semiexposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

3.7 PROTECTION

- A. Provide final protection and maintain conditions in a manner acceptable to fabricator and Installer that ensures that work is without damage or deterioration at the time of Substantial Completion.

END OF SECTION 06 61 00