

The CONNECT System



SECTION 07 42 00 PANELIZED STONE VENEER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Panelized stone veneer wall cladding for exterior applications.
- B. Panelized stone veneer wall cladding for interior applications.

1.2 RELATED SECTIONS

- A. Section 06 11 00 - Wood Framing: Framing design compliance with panelized stone veneer structural requirements for supporting wall construction.

1.3 SUBMITTALS

- A. Product Data: Submit data on product characteristics and general installation information.
- B. Shop Drawings: Submit shop drawings indicating layout and elevations indicating coursing, trim, flashing and terminations with adjacent materials.
- C. Verification Samples: Submit for each finish product specified, two samples, minimum size 8 inches square, representing actual product.
- D. Warranty: Submit copy of manufacturer's standard warranty.

1.4 QUALITY ASSURANCE

- A. Testing Agency: Provide test reports from 3rd party for any building code requirements
- B. Mock-Up: Provide a mock-up for evaluation of substrate preparation, detailing trim, and application workmanship.
 - 1. Locate mock-up in area designated by Architect.
 - 2. Do not proceed with remaining work mock-up is accepted by Architect.
 - 3. Modify mock-up if required until accepted by Architect.

1.5 DELIVERY, STORAGE & HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Transport and store in original shipping packaging until ready to use. When sub-packs are removed, transport and store with nailing flange up.

1.6 PROJECT CONDITIONS

- A. Maintain environmental conditions within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's limits.

1.7 WARRANTY

- A. Warranty: Provide manufacturer's standard warranty against defects in manufacturing.

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PART 2 PRODUCTS

2.1 PANELIZED STONE VENEER

- A. Manufacturer: **The CONNECT System** as manufactured by **Boral Stone Products LLC**, San Marcos CA.
Web: <http://www.eldoradostone.com/the-connect-system>. Access Password: CONNECTSYSTEM.
1. Style: Stacked Stone
 2. Style: Ledgecut33
 3. Color: Stacked Stone Black River
 4. Color: Stacked Stone Chapel Hill
 5. Color: Stacked Stone Dark Rundle
 6. Color: Stacked Stone Daybreak
 7. Color: Stacked Stone Nantucket
 8. Color: Stacked Stone Silver Lining
 9. Color: Ledgecut33 Beach Pebble
 10. Color: Ledgecut33 Birch
 11. Color: Ledgecut33 Ocean Floor
 12. Color: Ledgecut33 Whitecap
 13. Description: Lightweight concrete stone panels which are affixed to interior and exterior walls with proprietary clip system.
 14. Manufactured Size: Stacked Stone at 4 inches high by 8,12 and 20 inches wide. Ledgecut33 at 3 inches High by 12,18 and 24" wide.
 15. Fabricated Shapes: Flat Panels, Corners, Wainscot cap, light boxes, and receptacle boxes, starter strip, anchor/clip.
 16. Water resistant Barrier: Minimum No.15 Grade D felt building paper meeting ASTM D 226 or material meeting the requirements of ICC Acceptance Criteria #38 or ASTM E 2556.
 17. Starter Strip: Stainless steel
 18. Clips: Stainless steel
 19. Fasteners: Corrosion-resistant Stainless Steel #2 drive, Pan-head #8 Self-Tapping Screws
 20. Adhesive: When required Manufacturer recommended PL Premium Construction Adhesive.
- B. Performance Criteria:
1. Stone Unit Physical properties, ICC-ES AC 51
 2. Compressive Strength: ASTM C192 & ASTM C39, 5 sample average: greater than 1,800 psi (12.4MPa)
 3. Freeze-Thaw Test: ASTM C67: Less than 3 percent weight loss and no disintegration
 4. Weight per square foot: 2012 IBC & 2012 IRC, ASTM C1670, 15 pounds, saturated
 5. Engineering Evaluation, Starter Strip and anchor/clip and prescribed/supplied screws
 6. Surface Burning Characteristics, ICC-ES AC 51
 - a. Flame Spread Index = 0
 - b. Smoke Density Index = 0
 - c. ASTM E 84, Class A



PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory conditions before proceeding.
- B. Verify compliance of existing conditions with manufacturer's requirements including the following:
 - 1. Wood framing studs are spaced 16 inches on center or closer, designed to limit out-of-plane wall deflection to a minimum of L/240.
 - 2. Sheathing is code approved and nail-able, minimum 7/16 inch oriented strand board or 1/2 inch exterior grade plywood.
 - 3. Substrate is plumb within 1/4 inch in 10 lineal feet.
 - 4. Building corners have been sheathed to meet code requirements and mitigate the effects of wall racking.
 - 5. Expansion joints, if any, have been installed.
 - 6. Roofing and interior wallboard have been installed.
 - 7. Height for panelized stone veneer will not exceed 30 feet.

3.2 PREPARATION

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

3.3 INSTALLATION

- A. Water resistive Barrier application: Cover sheathing with a minimum of one layer of water resistive barrier, following the installation instructions provided by the manufacturer and local building code requirements. Wrap minimum 16 inches past all inside and outside corners. Integrate with flashing, panel channels and trim.
- B. Starter Strip: Install starter strip level at the base starting point line. Fasten in all available holes.
- C. Drainage: Provide a means for drainage and ventilation at all horizontal terminations by using starter strip and/or flashing products.
- D. Installation: Comply with manufacturer's installation instructions including the following
 - 1. Each full flat panel or corner panel requires a minimum of 3 clips per unit.
 - 2. Install trim pieces and sills, as indicated.
 - 3. Install electrical/fixture stones as indicated.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. Follow adhesive manufacturers instructions and temperature limitations.

END OF SECTION