



### Typical Wall Section

(WRB and weep screed is not required over some substrates.)

### Materials

**Sunset Stone** – Adhered Concrete Masonry Veneer (ACMV) that complies with ICC-ES AC-51.

**Masonry Sand** – washed and clean.

**Cement** - Type S or type N mortar or approved pre-mixed mortars.

**Metal Lath** – 2.5 or 3.4 galvanized diamond mesh or accepted substitute – as required by backing.

**Weep Screed** – corrosive resistant; see Part 2 of this instruction.

**Water Resistive Barrier (WRB)** – 2 layers grade D or allowed equivalent.

**Backer Rod and Sealant**

**Surfaces** must have surface integrity and be structurally sound to receive ACMV units.

**Exterior Applications** over wood or other surfaces not classified as a “water barrier” shall have 2 layers of *water resistive barrier*. See Part 2 of these instructions.

**Mortar:** Type S or Type N should be a mix of 1 part of cement with 2.25 parts of masonry sand and potable water. The same mix applies to the *scratch coat*, *setting bed* and the *grout*. Approved *masonry coloring* may be added to grouting mortar.

### Application of Sunset Stone Adhered Masonry Stone Veneer

1. Apply **weep screed** and ensure all required flashing and “other craft” paper is in place for integration.
2. Where **WRB** is required, apply **2 layers** of WRB using appropriate corrosive resistant roofing nails or staples.
3. Apply **metal lath** to wood framing with corrosive resistant roofing nails or staples of sufficient length to *penetrate wood framing a minimum of 1”*; generally 1½” fasteners are required. Metal framing or panels require the use of appropriately sized self-tapping screws to penetrate the metal a minimum of 3/8”. Lath edges must overlap a minimum of 1” vertically and horizontally and installed with cups pointing up (***lath will feel rough as you run your hand up its face***). Fasteners shall be spaced on 6” centers.
4. Apply a nominal ½” thick mortar **scratch coat**, forcing the mortar into and covering the lath. The scratch coat may be scored horizontally when it is thumbprint dry. Rehydrate the dry scratch coat with water to moisten it as the ACMV is installed.
5. Select, break or cut to shape, and fit the ACMV unit to where it will be installed.
6. Apply the **mortar setting bed** to the entire back of each ACMV nominally ½” inch thick and install it.
7. Fill in all joints between ACMV units using a *grout bag*. After joints have become firm to the touch, use a blunt instrument to partially rake out the joint. Gently finish smoothing and cleaning joints with a *wire brush*. Using a soft brush, remove all spilled mortar off of the ACMV before it sets.
8. Install backer rod and sealant to unlike material if required. Never power-wash the ACMV. Masonry sealer may be applied when desired following the sealer manufacture’s recommendations.
9. See Part 2 of these instructions for more details.



Sunset Stone

MANUFACTURERS OF QUALITY PRECAST STONE VENEER

702 Prairie Hawk Drive – Castle Rock, CO 80109

Phone (303) 791 1233 – Fax (303) 791 3796

www.sunsetstone.net



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Sunset Stone Meets the criteria for exterior wall materials in the Green Builder Program of the Home Builders Association of Metro Denver.