

SECTION 04090

MASONRY ACCESSORIES

For best results, display hidden notes to specifier.

**** NOTE TO SPECIFIER **** Mortar Net Solutions; masonry wall drainage systems.

This section is based on the products of Mortar Net Solutions, which is located at:
6575 Daniel Burnham Drive, Suite G
Portage, IN 46368
Tel: (800) 664-6638
Fax: (219) 787-5088
Email: sfechino@mortarnet.com
Web: www.mortarnet.com

MortarNet is the industry-leading mortar dropping collection device. Made from a 90 percent open-weave mesh with a patented Insect Barrier, it prevents mortar droppings from clogging weep holes in masonry cavity wall construction by catching and suspending mortar droppings and other debris on two levels above the flashing and weep holes. It prevents the mortar from forming a barrier against necessary water flow, allowing for the free migration of moisture in the cavity to the flashing and out of the weep holes.

MortarNet's efficient moisture management helps eliminate efflorescence on interior and exterior masonry walls, helps prevent damage caused by freeze-thaw cycles, and helps prevent the conditions that allow mold to develop, ensuring optimum performance of the walls. WeepVent or CellVent are used in conjunction with MortarNet to prevent insects and debris from clogging weep vents and to ensure that masonry walls retain their finished appearance.

Other products provided by Mortar Net Solutions to manage moisture in masonry construction include the mortar dropping collection devices WallDefender and HouseNet with Insect Barrier; the TotalFlash Cavity Wall Drainage Solution flashing system and CompleteFlash 14 Inch High Corner Boots and end dams for masonry cavity walls; the WallNet continuous drainage plane for rainscreen systems and adhered veneer, stone and stucco veneers; the LathNet metal lath and rainscreen drainage system; and BlockFlash and BlockNet flashing solutions for single wythe concrete block construction.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Masonry accessories including the following:

**** NOTE TO SPECIFIER **** Product names for applications listed below are WallNet, WeepVent, and CellVent by Mortar Net Solutions. Delete types not required.

1. Weep holes for masonry walls. (WeepVent) (CellVent)
2. Continuous drainage plane behind rainscreen systems and stone and stucco veneers. (WallNet)

1.2 RELATED SECTIONS

**** NOTE TO SPECIFIER **** Delete sections below not relevant to this project; add others as required.

- A. Section 04050 - Basic Masonry Materials and Methods: Additional masonry materials.
- B. Section 04200 - Masonry Units: Masonry installation and coordination requirements.

- C. Section 04400 - Stone: Stone installation and coordination requirements.
- D. Section 04800 - Masonry Assemblies: Additional masonry assembly requirements.
- E. Section 07190 - Water Repellents: Masonry wall coatings.
- F. Section 07200 - Thermal Protection: Building Insulation.
- G. Section 07600 - Flashing and Sheet Metal: Metal counter flashing installation and coordination requirements.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage, handling requirements and recommendations.
- C. Verification Samples: For each Mortar Net WeepVent or CellVent specified, two samples representing actual product, color, and configuration.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 2 years experience with similar masonry installations.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect products from exposure to direct sunlight.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Mortar Net Solutions; 6575 Daniel Burnham Drive, Suite G, Portage, IN 46368. Tel: (800) 664-6638. Fax: (219) 787-5088. Email: sfechino@mortarnet.com. Web: www.mortarnet.com.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

**** NOTE TO SPECIFIER ** Delete if WeepVent not required.**

- A. Weep vents for masonry walls: WeepVent as manufactured by Mortar Net Solutions.
 - 1. Description: 90 percent open weave mesh, UV-resistant recycled polyester; rectangular shape
 - 2. Standard size: 3 1/2 inches high by 1/2 inches thick by 2 5/8 inches long
 - 3. Other sizes available

**** NOTE TO SPECIFIER ** Delete colors that are not required.**

- 1. Match mortar color with selection from manufacturer's standard colors.
- 2. Available colors: White, Brown, Tan, Gray, Red, Almond

**** NOTE TO SPECIFIER ** Delete if CellVent not required.**

1. Description: Cells with cross sections of approximately 5/64 (0.080) inches by 1/8 (0.0120 inches) by the full length of the vent formed by a multilayered structure of thin polypropylene sheets.
2. Standard Size: 2 1/2 inches high by 3/8 inches thick by 3 3/8 inches long.
3. Jumbo Size: 3 1/2 inches high by 3/8 inches thick by 3 3/8 inches long.

**** NOTE TO SPECIFIER ** Delete color not required.**

1. Color: Match mortar color with selection from manufacturer's standard colors.
2. Available colors: White, Brown, Tan, Gray, Black, Cocoa, Clear

B. Continuous drainage plane: WallNet as manufactured by Mortar Net Solutions

1. Material: 90 percent open weave porous polyester mesh.

**** NOTE TO SPECIFIER ** Delete thicknesses not required.**

2. 0.25 inch
3. 0.4 inch
4. 1 inch
5. 2 inches

**** NOTE TO SPECIFIER ** Weep holes must be used with WallNet to allow effective moisture drainage and wall drying. WeepVent and CellVent by Mortar Net Solutions can keep weep holes open and prevent insects from entering the cavity through the weeps. Delete if weep holes are part of the veneer system specified in another section. Delete weep if not required.**

6. WeepVent by MortarNet as specified.
7. CellVent by MortarNet as specified.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify owner's agent and architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

**** NOTE TO SPECIFIER ** Delete if WeepVent not required.**

- A. Weep vents for masonry walls: WeepVent as manufactured by Mortar Net Solutions: Install in strict accordance with manufacturer's instructions and as follows:
 1. Place WeepVent in open head joints at the flashing level.
 2. Insert a WeepVent at a maximum of 24 inches on center in open head joints.
 3. Clean flashing and weep holes free of mortar droppings and debris.
 4. Align exterior face of WeepVent with exterior plane of mortar.
 5. For head joints taller than height of mesh insert, use custom manufactured product to match head joint.

**** NOTE TO SPECIFIER ** Delete if CellVent not required.**

- B. Weep vents for masonry walls: CellVent as manufactured by Mortar Net Solutions. Install in strict accordance with manufacturer's instructions and as follows:
 1. Place CellVent in an open head joint at the flashing level.
 2. Insert a CellVent at a maximum of 24 inches on center in open head joints.
 3. Clean flashing and weep vents free of mortar droppings and debris.
 4. Align exterior face of insert with exterior plane of mortar.

5. For head joints taller than height of mesh insert, use custom manufactured product to match head joint.

**** NOTE TO SPECIFIER ** Delete if WallNet if not required.**

C. Continuous drainage plane: WallNet as manufactured by Mortar Net Solutions. Install in strict accordance with manufacturer's instructions.

1. Install drainage plane after windows and doors are installed. Begin at the base of the wall and unroll and fasten using staples (minimum 1/2 inch) wrap cap screws or nails at a spacing of 1 anchor per 3 sq. ft. of wall area. Install in a shingle pattern, stagger vertical seams.

**** NOTE TO SPECIFIER ** Weep holes must be used with WallNet to allow effective moisture drainage and wall drying. WeepVent and CellVent by Mortar Net Solutions can keep weep holes open and prevent insects from entering the cavity through the weeps. Delete if weep holes are part of the veneer system specified in another section.**

2. Install weep vents.

3.3 PROTECTION

- A. Protect installed products from damage until completion of project.
- B. Repair or replace damaged products before covering with construction.

END OF SECTION