

## BLOCKNET™ SPECIFICATIONS

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### SECTION 04096 CONCRETE MASONRY UNIT DRAINAGE SYSTEM

This Section may be used as a narrow scope, stand-alone Section or may be modified and incorporated into broad scope Section 04090 Masonry Accessories

#### PART 1 GENERAL

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##### RELATED DOCUMENTS

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

##### SECTION INCLUDES

Furnishing and installing complete single wythe concrete masonry drainage system.

##### REFERENCES

Applicable requirements of the latest issue of construction industry codes, standards and specifications referenced herein apply to work of this section.

B. National Concrete Masonry Association (NCMA) TEK Notes.

##### QUALITY ASSURANCE

Mockup:

1. Build drainage strip and vertical mesh sleeve into sample panel of masonry wall as specified in Section, Unit Masonry, and as specified herein.
2. Obtain approval prior to proceeding with any masonry work.

B. Pre-Installation Conference: Convene prior to commencing work of this Section under provisions of Section 01200.

##### SUBMITTALS

Product Data: Catalog cuts, installation details and specifications for all materials.

Samples: Of drainage strip, standard sample length and one vertical mesh sleeve.

##### DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site, and store and protect under provisions of Section 01600.

## **PART 2 PRODUCTS**

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### **2.1 MANUFACTURER**

- A. #BN120 CMU Drainage System as manufactured by Mortar Net, Inc., Gary, IN. (Ph: 1-800-664-6638).

### **DRAINAGE SYSTEM**

- A. Drainage Strip: #BN 121, 28 ga stainless steel, 4 inch wide by 60 inches long with formed drip on the face edge and drainage mesh factory attached.
- B. Vertical Mesh Sleeve: #BN 122, 7 x 7 x 3/8 inch thick polyester mesh.

Sealant: One part Silicone as approved by system manufacturer.

## **PART 3 EXECUTION**

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### **3.1 PREPARATION**

- A. Verify items provided by other Sections of work are properly located.

### **3.2 INSTALLATION OF DRAINAGE SYSTEM**

- A. Place first drainage strip in place so that strip edge break is positioned in alignment with outside edge of CMU face [or foundation wall]. Position back edge of drainage strip slightly in front of reinforcing bar as applicable. Use sealant to temporarily anchor drainage strip during positioning.
- B. Place three beads of sealant approximately 1 inch apart running from front to back on unmeshed 4 inch portion of the positioned drainage strip.
- C. Install another drainage strip overlapping caulked area of previously placed one. Position with drip edges in alignment and such that caulked, un meshed area of previously installed drainage strip is completely covered without overlapping onto the meshed area. A thin strip of exposed, unmeshed drainage strip is acceptable to avoid overlapping the meshed area.
- D. Place three beads of sealant on the un meshed portion of the just placed drainage strip and install the next one.
- E. Continue as specified above to form continuous drainage strip drainage system along entire perimeter of wall.
- F. Second CMU Course: Install one vertical mesh sleeve in each core. Install against inside face of outside shell to form U-shape sleeve.
- G. Drainage system over doors, windows and along bond beams: Properly dam ends of drainage strips.

### **3.3 PROTECTION**

- A. Protect finished Work under provisions of Section 01500.
- B. Provide protection without damaging completed work.

## **END OF SECTION**