Hickman Edge Systems May 2018

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Guide Specification

Specifier Notes: This guide specification is written in Construction Specifications Institute (CSI) 3-Part Format in accordance with *The CSI Construction Specifications Practice Guide,* *MasterFormat, SectionFormat,* and *PageFormat.*

This Section must be carefully reviewed and edited by the Architect to meet the requirements of the Project and local building code. Coordinate this Section with Conditions of the Contract, Division 01, other specification sections, and the Drawings. Delete all Specifier Notes after editing this Section.

Section numbers and titles are based on *MasterFormat 2016 Edition.*

1. 07 71 13

MANUFACTURED COPINGS

Specifier Notes: This Section covers Hickman Edge Systems “Formed Coping” and “Formed Coping Plus” coping systems. Consult Hickman Edge Systems for assistance in editing this Section as required for the Project.

Consult Hickman Edge Systems for information regarding custom coping systems.

* 1. GENERAL
     1. SECTION INCLUDES
        1. Coping system.
     2. RELATED REQUIREMENTS

Specifier Notes: Edit the following list of related sections as required for the Project. Limit the list to sections with specific information that the reader might expect to find in this Section, but is specified elsewhere.

* + - 1. Section [07 50 00] [07\_\_\_\_\_\_\_] – [Membrane Roofing] [\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_]: Membrane roofing.
    1. REFERENCE STANDARDS

Specifier Notes: List reference standards used elsewhere in this Section, complete with designations and titles. Delete reference standards from the following list not used in the edited Section.

* + - 1. Factory Mutual (FM Global) (www.fmglobal.com).
      2. Single Ply Roofing Industry (SPRI) ([www.spri.org](http://www.spri.org)):
         1. ANSI/SPRI/FM 4435/ES-1 – Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems.
    1. PREINSTALLATION MEETINGS

Specifier Notes: Edit the Preinstallation Meetings article as required for the Project. Delete this article if not required.

* + - 1. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of coping system.
      2. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, installer, and manufacturer’s representative.
      3. Review the Following:
         1. Materials.
         2. Examination of roof edge areas.
         3. Installation.
         4. Cleaning.
         5. Protection.
         6. Coordination with other Work, including membrane roofing installation.
    1. SUBMITTALS

Specifier Notes: Edit the Submittals article as required for the Project. Delete submittals not required.

* + - 1. Comply with Division 01.
      2. Product Data: Submit manufacturer’s product data, including installation instructions.
      3. Shop Drawings: Submit manufacturer’s shop drawings, including plans, elevations, sections, and details, indicating dimensions, materials, components, fasteners, finish, and accessories.
      4. Samples: Submit manufacturer’s sample of coping system.
         1. Sample Size: Minimum 6 inches long.
      5. Color Samples: Submit manufacturer’s color samples of coping cap, consisting of complete set of metal color chips representing manufacturer’s full range of available colors.
      6. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
      7. Manufacturer’s Project References: Submit manufacturer’s list of 10 successfully completed coping system projects of similar size and scope to this Project, including project name and location, name of architect, and type and quantity of coping systems furnished.
      8. Warranty Documentation: Submit manufacturer’s standard warranty.
    1. QUALITY ASSURANCE
       1. Manufacturer’s Qualifications: Manufacturer regularly engaged in the manufacturing of coping systems of similar type to that specified for a minimum of 5 years.
       2. Installer's Qualifications:
          1. Installer regularly engaged in installation of coping systems of similar type to that specified for a minimum of 5 years.
          2. Use persons trained for installation of coping systems.
    2. DELIVERY, STORAGE, AND HANDLING
       1. Delivery Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
       2. Storage and Handling Requirements:
          1. Store and handle materials in accordance with manufacturer’s instructions.
          2. Keep materials in manufacturer’s original, unopened containers and packaging until installation.
          3. Store materials in clean, dry area indoors.
          4. Do not store materials directly on floor or ground.
          5. Protect materials and finish during storage, handling, and installation to prevent damage.
    3. WARRANTY
       1. Warranty Period:

Specifier Notes: Specify warranty period for “Formed Coping” or “Formed Coping Plus” coping system.

* + - * 1. “Formed Coping” Coping System: Coping system shall not blow off, leak, or cause membrane roofing failure for 20 years in wind speeds up to 110 mph, when installed in accordance with manufacturer’s instructions.
        2. “Formed Coping Plus” Coping System: Coping system shall not blow off, leak, or cause membrane roofing failure for 25 years in wind speeds up to 155 mph, when installed in accordance with manufacturer’s instructions.
  1. PRODUCTS
     1. MANUFACTURERS
        1. Manufacturer: Hickman Edge Systems, 4 Commerce Way, Arden, North Carolina 28704. Toll Free 800-892-9173. Phone 828-676-1700. [www.Hickmanedgesystems.com](http://www.omgedgesystems.com). info@Hickmanroofing.com.

Specifier Notes: Specify if substitutions will be permitted.

* + - 1. Substitutions: [Not permitted] [Comply with Division 01].
      2. Single Source: Provide materials from single manufacturer.
    1. COPING SYSTEM

Specifier Notes: Specify “Formed Coping” or “Formed Coping Plus” coping system.

* + - 1. Coping System: [“Formed Coping”] [“Formed Coping Plus”].
         1. Description:

Formed coping with continuous front cleat for capping parapet walls.

Watertight.

Maintenance free.

* + - * 1. Tested: ANSI/SPRI/FM 4435/ES-1.

Specifier Notes: Specify up to an FM 1-180 rating for walls up to 16 inches wide. Specify up to an FM 1-75 rating for walls 32 inches wide.

* + - * 1. Approved: [FM 1-180 rating] [FM 1-75 rating].
        2. Performance Characteristics:

Formed Coping Cap Sections:

Capable of expanding and contracting freely, while mechanically locked in place with exposed fasteners at back leg of coping cap.

Lock to clips by mechanical pressure from concealed splices.

Formed Coping Cap Joints: Underlayed with concealed splices.

* + - * 1. Wall Width: Indicated on the Drawings.

Minimum: 4 inches.

Specifier Notes: Specify 24-inch maximum wall width when specifying “Formed Coping” coping system. Specify 32-inch maximum wall width when specifying “Formed Coping Plus” coping system.

Maximum: [24 inches] [32 inches].

* + - 1. Coping Cap:

Specifier Notes: Specify coping cap material. Delete materials not required. Consult Hickman Edge Systems for custom materials.

* + - * 1. Material: [0.040-inch aluminum] [0.050-inch aluminum] [0.063-inch aluminum] [0.080-inch aluminum] [24-gauge galvanized steel] [22-gauge galvanized steel] [\_\_\_\_\_\_\_\_\_\_\_\_].
        2. Formed Lengths: 10’-0”.

Specifier Notes: Specify coping cap finish. Delete finishes not required. Consult Hickman Edge Systems for finish selection for each material.

* + - * 1. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify coping cap color. Consult Hickman Edge Systems for standard, premium, and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
        2. Face Dimension: Indicated on the Drawings.

Minimum: 3 inches.

Maximum: 12 inches.

* + - * 1. Back Dimension: Indicated on the Drawings.

Minimum: 2 inches.

Maximum: 8 inches.

* + - 1. Continuous Front Cleat:

Specifier Notes: Specify 20-gauge galvanized steel when specifying “Formed Coping” coping system. Specify 16-gauge galvanized steel when specifying “Formed Coping Plus” coping system.

* + - * 1. Material: [20-gauge galvanized steel] [16-gauge galvanized steel].
        2. Length: 120 inches.
        3. Fastener Holes: Slotted.
      1. Concealed Splices:
         1. Material: Same as coping cap.
         2. Finish and Color: Same as coping cap.
         3. Width: 6 inches.
         4. Non-hardening sealant.
      2. Fasteners:
         1. 1-1/2-inch stainless steel ring-shank nails through front cleat.
         2. #9 x 1-1/2-inch stainless steel screws with washer at back leg of coping cap.
         3. Suitable for intended substrate.
         4. Provided by coping system manufacturer.
      3. Factory-Fabricated Accessories:

Specifier Notes: Specify factory-fabricated accessories as required for the Project. Delete accessories not required. Consult Hickman Edge Systems for accessory details.

* + - * 1. Miters.
        2. End caps.
        3. End terms.
        4. Material, Finish, and Color: Same as coping cap.

Specifier Notes: Specify welded or Metal-Lok fabrication of accessories.

* + - * 1. Fabrication: [Welded] [Metal-Lok].
  1. EXECUTION
     1. EXAMINATION
        1. Examine roof edge areas, including membrane roofing and blocking, to receive coping system.
        2. Verify surfaces to support coping system are clean, dry, flat, level from front to back, secure, and of proper dimensions.
        3. Notify Architect of conditions that would adversely affect installation.
        4. Do not begin installation until unacceptable conditions are corrected.
     2. INSTALLATION
        1. Install coping system in accordance with manufacturer’s instructions at locations indicated on the Drawings.

Specifier Notes: Provide the section number for the membrane roofing.

* + - 1. Membrane Roofing: Specified in Section [07 50 00] [07\_\_\_\_\_\_\_].
      2. Shim areas of walls not level from front to back.
      3. Fasteners: Install coping system using fasteners in accordance with manufacturer’s instructions.
      4. Install concealed splices at cap joint locations.
      5. Thermal Movement: Leave 1/4-inch gap between coping cap sections to allow for thermal expansion and contraction.
      6. Apply non-hardening sealant at splices.
      7. Review lengths of straight pieces of coping cap before cutting to avoid creating relatively short sections adjacent to full-length sections.
      8. Isolate coping system from ACQ treated wood blocking or other galvanically incompatible material with appropriate membrane material.
    1. CLEANING
       1. Clean coping system promptly after installation in accordance with manufacturer’s instructions.
       2. Remove clear protective vinyl film.
       3. Do not use harsh cleaning materials or methods that could damage finish.
    2. PROTECTION
       1. Protect installed coping system to ensure that, except for normal weathering, coping system will be without damage or deterioration at time of Substantial Completion.

END OF SECTION