

Drexel Metals Inc
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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 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.*

SECTION 07 71 13

MANUFACTURED COPINGS

Specifier Notes: This Section covers Drexel Metals, Inc. copings. Consult Drexel Metals, Inc. for assistance in editing this Section as required for the Project.

PART 1 GENERAL

1.1 SECTION INCLUDES

Specifier Notes: List the materials specified in this Section. Delete materials not specified.

A. Coping Systems

1.2 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.

- A. Section [07 50 00] [07 _____] – [Membrane Roofing] [_____]: Membrane roofing and sealant.

1.3 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.

- A. Single Ply Roofing Industry (SPRI) (www.spri.org):
 - 1. ANSI/SPRI/FM 4435/ES-1 – Wind Design Standard for Edge Systems Used with Low Slope Roofing Systems.
- B. Florida Building Code.

1.4 PREINSTALLATION MEETINGS

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

- A. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of materials.
- B. Require attendance of parties directly affecting Work of this Section, including Contractor, Architect, installer, and manufacturer's representative.
- C. Review the Following:
 - 1. Materials.
 - 2. Installation.
 - 3. Adjusting.
 - 4. Cleaning.
 - 5. Protection.
 - 6. Coordination with other work, including membrane roofing installation.

1.5 SUBMITTALS

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

- A. Comply with Division 01.
- B. Product Data: Submit manufacturer's product data, including installation instructions.

- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, materials, components, fasteners, finish, and accessories.
- D. Samples: Submit manufacturer's sample of materials.
 - 1. Sample Length: Minimum 6 inches
- E. Color Samples: Submit manufacturer's color samples of materials, consisting of complete color chart representing manufacturer's full range of available colors.
 - 1. Submit metal chips of specific colors as requested by the Architect.
- F. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- G. Warranty Documentation: Submit manufacturer's standard warranty.
- H. 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.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Manufacturer regularly engaged in the manufacturing of materials of similar type to that specified for a minimum of 5 years.
- B. Installer's Qualifications:
 - 1. Installer regularly engaged in installation of materials of similar type to that specified for a minimum of 5 years.
 - 2. Use persons trained for installation of materials of similar type to that specified following manufacturer's installation instructions.
- C. Testing: Meet specified testing requirements.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging.
- B. 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.

1.8 WARRANTY

Specifier Notes: Include warranty period for the materials and finish specified. Edit the following as required for the Project.

In addition to the non pro-rated 35-year finish warranty, other finish warranty periods are available. Consult Drexel Metals, Inc. for warranty period information for custom post-coated Kynar 500 colors and for anodized finishes.

- A. Warranty Period, Product:
 - 1. Wind, 215 mph: Lifetime.
 - a. "Snap Max-C Coping"
 - b. "Econo Coping"
 - 2. Wind, 110 mph: 20 years.
 - a. "Snap Max Coping"
 - b. "Econo Coping LT"
 - c. "Spring-Tite Coping w/ Continuous Cleat"
 - 3. Five-year workmanship warranty covering replacement or repair of products that are defective in material or workmanship.

- B. Warranty Period, Finish: Non Pro-Rated 35-year warranty for prefinished coil-coated steel and aluminum coated with Kynar 500 standard colors covering fade, chalk, and film integrity.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer: Drexel Metals, Inc., 1234 Gardiner Lane Louisville, KY 40213.
Phone 888-321-9630 Fax 502-690-6174 www.drexmet.com Info@drexmet.com

Specifier Notes: Specify if substitutions will be permitted.

- B. Substitutions: [Not permitted] [Comply with Division 01].
- C. Single Source: Provide materials from single manufacturer.

Specifier Notes: Specify Drexel Metals, Inc. copings as required for the Project. Delete materials not required.

Consult Drexel Metals, Inc. for custom capabilities.

2.2 MANUFACTURED COPING SYSTEMS

- A. Coping: Drexel Metals "Snap Coping Max" coping.

Specifier Notes: Specify face height, parapet wall width, and rear height.

1. Tested Range: 2-1/2-inches (64mm) – 12-inches (305mm)
 - a. Outside Face Height _____ inches [Indicated on the Drawings].
2. Tested Range: 6-inches (152mm) – 32-inches (813mm)
 - a. Parapet Wall Width _____ inches [Indicated on the Drawings].
 - b. Horizontal Space Provided for Wall Size Variations: 1/2 inch (13 mm), inside face.
3. Tested Range: 2-1/2-inches (64mm) – 6-inches (152mm)
 - a. Inside Face Height _____ inches [Indicated on the Drawings].

Specifier Notes: Fill in values for ES-1 design pressure rating. Values can vary with face height and cover material. Consult www.drexmet.com, or call Drexel Metals, Inc. at 888-321-9630 for information.

4. Tested: ANSI/SPRI/FM 4435/ES-1 to design pressure of _____ psf.
5. Approvals:
 - 1) Florida Building Code.

Specifier Notes: Specify cover material. Delete cover material not required. Consult Drexel Metals, Inc. for information regarding other materials. >8" Outside Face Height and/or >24" Parapet Wall Width would require 22ga Steel or .050 or heavier Aluminum

6. Cover Material: [24-gauge (0.58-mm) galvalume steel] [22-gauge (0.74-mm) galvalume steel] [0.040-inch (1.02-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [_____].
 - a. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [Post-finished anodize] [_____].

Specifier Notes: Specify color. Consult Drexel Metals, Inc for standard and premium color selection for each finish.

- b. Color: _____.
7. Cover Formed Lengths: 10'-0" (3.05 m).
8. Formed Cleat: 16ga G-90 Galvanized Steel 12" (305mm) wide.
9. 1/4" (6.35 mm) Diameter Fastening Holes
10. Concealed Joint Splices:
 - a. Splice Plates: Same as cover material.
 - b. Finish and Color: Same as exterior fascia covers.
 - c. Width: 6 inches (152 mm).
11. Fasteners:
 - a. Stainless Steel pancake head fasteners.
 - b. Suitable for intended substrate.
 - c. Provided by coping system manufacturer.

12. Sealant:
 - a. Non-hardening waterproof sealant.
 - b. Compatible with coping system and membrane roofing.
 - c. Provided by membrane roofing manufacturer.

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

- d. Specified in Section [07 50 00] [07 _____].
13. Accessories:
 - a. Material, Finish, and Color: Same as exterior fascia covers.

Specifier Notes: Edit the list of accessories as required for the Project. Describe or delete special corners as required.

- b. Miters:
 - 1) Outside.
 - 2) Inside.
 - c. End Caps:
 - 1) Left.
 - 2) Right.
 - d. End Terms:
 - 1) Left.
 - 2) Right.
 - e. Overflow Scuppers: [Style A] [Style B].
 - f. Spillover Scuppers [Style A] [Style B].
 - g. Downspout Scuppers: [Style A] [Style B].
 - h. Size: _____ by _____.

- B. Coping: Drexel Metals "Snap Coping Max-C" coping w/ spring clip.

Specifier Notes: Specify face height, parapet wall width, and rear height.

1. Tested Range: 2-1/2-inches (64mm) – 12-inches (305mm)
 - a. Outside Face Height _____ inches [Indicated on the Drawings].
2. Tested Range: 6-inches (152mm) – 32-inches (813mm)
 - a. Parapet Wall Width _____ inches [Indicated on the Drawings].
 - b. Horizontal Space Provided for Wall Size Variations: 1/2 inch (13 mm), inside face.
3. Tested Range: 2-1/2-inches (64mm) – 6-inches (152mm)
 - a. Inside Face Height _____ inches [Indicated on the Drawings].

Specifier Notes: Fill in values for ES-1 design pressure rating. Values can vary with face height and cover material. Consult www.drexmet.com, or call Drexel Metals, Inc. at 888-321-9630 for information.

4. Tested: ANSI/SPRI/FM 4435/ES-1 to design pressure of _____ psf.
5. Approvals:

1) Florida Building Code.

Specifier Notes: Specify cover material. Delete cover material not required. Consult Drexel Metals, Inc. for information regarding other materials. >8" Outside Face Height and/or >24" Parapet Wall Width would require 22ga Steel or .050 or heavier Aluminum

6. Cover Material: [24-gauge (0.58-mm) galvalume steel] [22-gauge (0.74-mm) galvalume steel] [0.040-inch (1.02-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [_____].
- a. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [Post-finished anodize] [_____].

Specifier Notes: Specify color. Consult Drexel Metals, Inc for standard and premium color selection for each finish.

- b. Color: _____.
7. Cover Formed Lengths: 10'-0" (3.05 m).
8. Formed Cleat: 16ga G-90 Galvanized Steel 12" (305mm) wide.
9. Spring Clip: 22ga 314 Stainless Steel 5" (127mm) wide.
10. 1/4" (6.35 mm) Diameter Fastening Holes
11. Concealed Joint Splices:
- a. Splice Plates: Same as cover material.
- b. Finish and Color: Same as exterior fascia covers.
- c. Width: 6 inches (152 mm).
12. Fasteners:
- a. Stainless Steel pancake head fasteners.
- b. Suitable for intended substrate.
- c. Provided by coping system manufacturer.
13. Sealant:
- a. Non-hardening waterproof sealant.
- b. Compatible with coping system and membrane roofing.
- c. Provided by membrane roofing manufacturer.

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

- d. Specified in Section [07 50 00] [07_____].
14. Accessories:
- a. Material, Finish, and Color: Same as exterior fascia covers.

Specifier Notes: Edit the list of accessories as required for the Project. Describe or delete special corners as required.

- b. Miters:
- 1) Outside.

- 2) Inside.
- c. End Caps:
 - 1) Left.
 - 2) Right.
- d. End Terms:
 - 1) Left.
 - 2) Right.
- e. Overflow Scuppers: [Style A] [Style B].
- f. Spillout Scuppers [Style A] [Style B].
- g. Downspout Scuppers: [Style A] [Style B].
- h. Size: _____ by _____.

C. Coping: Drexel Metals "Econo Coping".

Specifier Notes: Specify face height, parapet wall width, and rear height.

- 1. Tested Range: 2-1/2-inches (64mm) – 6-inches (152mm)
 - a. Outside Face Height _____ inches [Indicated on the Drawings].
- 2. Tested Range: 4-inches (102mm) – 20-inches (508mm)
 - a. Parapet Wall Width _____ inches [Indicated on the Drawings].
 - b. Horizontal Space Provided for Wall Size Variations: 1/2 inch (13 mm), inside face.
- 3. Tested Range: 2-inches (51mm) – 5-1/4-inches (133mm)
 - a. Inside Face Height _____ inches [Indicated on the Drawings].

Specifier Notes: Fill in values for ES-1 design pressure rating. Values can vary with face height and cover material. Consult www.drexmet.com, or call Drexel Metals, Inc. at 888-321-9630 for information.

- 4. Tested: ANSI/SPRI/FM 4435/ES-1 to design pressure of _____ psf.
- 5. Approvals:
 - 1) Florida Building Code.

Specifier Notes: Specify cover material. Delete cover material not required. Consult Drexel Metals, Inc. for information regarding other materials.

- 6. Cover Material: [24-gauge (0.58-mm) galvalume steel] [22-gauge (0.74-mm) galvalume steel] [0.040-inch (1.02-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [_____].
 - a. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [Post-finished anodize] [_____].

Specifier Notes: Specify color. Consult Drexel Metals, Inc for standard and premium color selection for each finish.

- b. Color: _____.

7. Cover Formed Lengths: 10'-0" (3.05 m).
8. Formed Cleat: 22ga G-90 Galvanized Steel.
9. Formed Cleat Lengths: 10'-0" (3.05 m).
10. 1/8" (3.18 mm) Diameter Fastening Holes.
11. Concealed Joint Splices:
 - a. Splice Plates: Same as cover material.
 - b. Finish and Color: Same as exterior fascia covers.
 - c. Width: 6 inches (152 mm).
12. Fasteners:
 - a. Stainless steel ring shank nail.
 - b. Stainless steel hex head w/ neoprene washer fastener.
 - c. Suitable for intended substrate.
 - d. Provided by coping system manufacturer.
13. Sealant:
 - a. Non-hardening waterproof sealant.
 - b. Compatible with coping system and membrane roofing.
 - c. Provided by membrane roofing manufacturer.

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

- d. Specified in Section [07 50 00] [07_____].
14. Accessories:
 - a. Material, Finish, and Color: Same as exterior fascia covers.

Specifier Notes: Edit the list of accessories as required for the Project. Describe or delete special corners as required.

- b. Miters:
 - 1) Outside.
 - 2) Inside.
- c. End Caps:
 - 1) Left.
 - 2) Right.
- d. End Terms:
 - 1) Left.
 - 2) Right.
- e. Overflow Scuppers: [Style A] [Style B].
- f. Spillout Scuppers [Style A] [Style B].
- g. Downspout Scuppers: [Style A] [Style B].
- h. Size: _____ by _____.

D. Coping: Drexel Metals "Econo Coping LT".

Specifier Notes: Specify face height, parapet wall width, and rear height.

1. Tested Range: 2-1/2-inches (64mm) – 6-inches (152mm)
 - a. Outside Face Height _____ inches [Indicated on the Drawings].
2. Tested Range: 4-inches (102mm) – 24-inches (610mm)
 - a. Parapet Wall Width _____ inches [Indicated on the Drawings].
 - b. Horizontal Space Provided for Wall Size Variations: 1/2 inch (13 mm), inside face.
3. Tested Range: 2-inches (51mm) – 5-1/2-inches (140mm)
 - a. Inside Face Height _____ inches [Indicated on the Drawings].

Specifier Notes: Fill in values for ES-1 design pressure rating. Values can vary with face height and cover material. Consult www.drexmet.com, or call Drexel Metals, Inc. at 888-321-9630 for information.

4. Tested: ANSI/SPRI/FM 4435/ES-1 to design pressure of _____ psf.
5. Approvals:
 - 1) Florida Building Code.

Specifier Notes: Specify cover material. Delete cover material not required. Consult Drexel Metals, Inc. for information regarding other materials.

6. Cover Material: [24-gauge (0.58-mm) galvalume steel] [22-gauge (0.74-mm) galvalume steel] [0.040-inch (1.02-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [_____].
 - a. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [Post-finished anodize] [_____].

Specifier Notes: Specify color. Consult Drexel Metals, Inc for standard and premium color selection for each finish.

- b. Color: _____.
7. Cover Formed Lengths: 10'-0" (3.05 m).
8. Formed Cleat: 24ga G-90 Galvanized or Galvalume Steel.
9. Formed Cleat Lengths: 10'-0" (3.05 m).
10. 1/8" (3.18 mm) Diameter Fastening Holes.
11. Concealed Joint Splices:
 - a. Splice Plates: Same as cover material.
 - b. Finish and Color: Same as exterior fascia covers.
 - c. Width: 6 inches (152 mm).
12. Fasteners:
 - a. Stainless steel ring shank nail.
 - b. Stainless steel hex head w/ neoprene washer fastener.
 - c. Suitable for intended substrate.

- d. Provided by coping system manufacturer.
- 13. Sealant:
 - a. Non-hardening waterproof sealant.
 - b. Compatible with coping system and membrane roofing.
 - c. Provided by membrane roofing manufacturer.

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

- d. Specified in Section [07 50 00] [07 _____].
- 14. Accessories:
 - a. Material, Finish, and Color: Same as exterior fascia covers.

Specifier Notes: Edit the list of accessories as required for the Project. Describe or delete special corners as required.

- b. Miters:
 - 1) Outside.
 - 2) Inside.
- c. End Caps:
 - 1) Left.
 - 2) Right.
- d. End Terms:
 - 1) Left.
 - 2) Right.
- e. Overflow Scuppers: [Style A] [Style B].
- f. Spillover Scuppers [Style A] [Style B].
- g. Downspout Scuppers: [Style A] [Style B].
- h. Size: _____ by _____.

E. Coping: Drexel Metals "Spring-Tite Coping w/ Continuous Cleat".

Specifier Notes: Specify face height, parapet wall width, and rear height.

1. Tested Range: 2-1/2-inches (64mm) – 6-inches (152mm)
 - a. Outside Face Height _____ inches [Indicated on the Drawings].
2. Tested Range: 6-inches (152mm) – 20-inches (508mm)
 - a. Parapet Wall Width _____ inches [Indicated on the Drawings].
 - b. Horizontal Space Provided for Wall Size Variations: 1/2 inch (13 mm), inside face.
3. Tested Range: 2-inches (51mm) – 5-1/2-inches (140mm)
 - a. Inside Face Height _____ inches [Indicated on the Drawings].

Specifier Notes: Fill in values for ES-1 design pressure rating. Values can vary with face height and cover material. Consult www.drexmet.com, or call Drexel Metals, Inc. at 888-321-9630 for information.

4. Tested: ANSI/SPRI/FM 4435/ES-1 to design pressure of _____ psf.
5. Approvals:
 - 1) Florida Building Code.

Specifier Notes: Specify cover material. Delete cover material not required. Consult Drexel Metals, Inc. for information regarding other materials.

6. Cover Material: [24-gauge (0.58-mm) galvalume steel] [22-gauge (0.74-mm) galvalume steel] [0.040-inch (1.02-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [_____].
 - a. Finish: [Mill finish] [Prefinished Kynar] [Post-finished Kynar] [Prefinished anodize] [Post-finished anodize] [_____].

Specifier Notes: Specify color. Consult Drexel Metals, Inc for standard and premium color selection for each finish.

- b. Color: _____.
7. Cover Formed Lengths: 10'-0" (3.05 m).
8. Formed Cleat: 22ga G-90 Galvanized Steel.
9. Formed Cleat Lengths: 10'-0" (3.05 m).
10. 1/4" (6.35 mm) Diameter Fastening Holes.
11. Concealed Joint Splices:
 - a. Splice Plates: Same as cover material.
 - b. Finish and Color: Same as exterior fascia covers.
 - c. Width: 6 inches (152 mm).
12. Fasteners:
 - a. Stainless steel pancake head fasteners.
 - b. Suitable for intended substrate.
 - c. Provided by coping system manufacturer.
13. Sealant:
 - a. Non-hardening waterproof sealant.
 - b. Compatible with coping system and membrane roofing.
 - c. Provided by membrane roofing manufacturer.

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

- d. Specified in Section [07 50 00] [07_____].
14. Accessories:
 - a. Material, Finish, and Color: Same as exterior fascia covers.

Specifier Notes: Edit the list of accessories as required for the Project. Describe or delete special corners as required.

- b. Miters:
 - 1) Outside.
 - 2) Inside.
- c. End Caps:
 - 1) Left.
 - 2) Right.
- d. End Terms:
 - 1) Left.
 - 2) Right.
- e. Overflow Scuppers: [Style A] [Style B].
- f. Spillout Scuppers [Style A] [Style B].
- g. Downspout Scuppers: [Style A] [Style B].
- h. Size: _____ by _____.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive materials.
- B. Verify surfaces to support materials are clean, dry, straight, secure, and of proper dimensions.
- C. Notify Architect of conditions that would adversely affect installation.
- D. Do not begin installation until unacceptable conditions are corrected.

3.2 INSTALLATION

- A. Install materials in accordance with manufacturer's instructions at locations indicated on the Drawings.
- B. Remove protective vinyl film immediately before installation.
- C. Install materials to provide watertight termination at leading edge of roofing material.
- D. Install materials to allow for thermal movement.
- E. Joint Sealants: Apply joint sealants in accordance with manufacturer's instructions.

3.3 ADJUSTING

- A. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

- B. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.

3.4 CLEANING

- A. Clean materials promptly after installation in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials or methods that could damage finish.

3.5 PROTECTION

- A. Protect installed materials to ensure that, except for normal weathering, materials will be without damage or deterioration at time of Substantial Completion.

END OF SECTION