Metal-Era, Inc. December 2016

1600 Airport Road

Waukesha, Wisconsin 53188

Phone 800-558-2162

Fax 800-373-9156

Website [www.metalera.com](http://www.metalera.com)

Email info@metalera.com

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.*

1. 07 71 16

MANUFACTURED COUNTERFLASHING SYSTEMS

Specifier Notes: This Section covers Metal-Era, Inc. “Counter-Flash” counterflashing. Consult Metal-Era, Inc. for assistance in editing this Section as required for the Project.

* 1. GENERAL
		1. SECTION INCLUDES
			1. Counterflashing.
		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 92 00 – Joint Sealants.
		1. PREINSTALLATION MEETINGS

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

* + - 1. Convene preinstallation meeting [1 week] [2 weeks] before start of installation of counterflashing.
			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. Installation.
				3. Adjusting.
				4. Cleaning.
				5. Protection.
				6. Coordination with other Work.
		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 counterflashing.
				1. Sample Length: Minimum 5-1/2 inches (140 mm).
			5. Color Samples: Submit manufacturer’s color samples of counterflashing, consisting of complete color chart representing manufacturer’s full range of available colors.

Specifier Notes: Include the following sentence as required for the Project. Delete if not required.

* + - * 1. Submit metal chips of specific colors as requested by the Architect.
			1. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
			2. Warranty Documentation: Submit manufacturer’s standard warranty.
		1. QUALITY ASSURANCE
			1. Manufacturer’s Qualifications: Manufacturer regularly engaged in the manufacturing of counterflashing of similar type to that specified for a minimum of 10 years.
			2. Installer's Qualifications:
				1. Installer regularly engaged in installation of counterflashing of similar type to that specified for a minimum of 5 years.
				2. Use persons trained for installation of counterflashing following manufacturer’s installation instructions.
		2. DELIVERY, STORAGE, AND HANDLING
			1. Delivery Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging.
			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

Specifier Notes: In addition to the limited 30-year finish warranty, other finish warranty periods are available. Consult Metal-Era, Inc. for warranty period information for custom post-coated Kynar 500 colors and for anodized finishes.

* + - 1. Warranty Period, Product: 5-year workmanship warranty covering replacement or repair of products that are defective in material or workmanship.
			2. Warranty Period, Finish: Limited 30-year warranty for prefinished coil-coated steel and aluminum coated with Kynar 500 standard colors covering fade, chalk, and film integrity.
	1. PRODUCTS
		1. MANUFACTURERS
			1. Manufacturer: Metal-Era, Inc., 1600 Airport Road, Waukesha, Wisconsin 53188. Phone 800-558-2162. Fax 800-373-9156. [www.metalera.com](http://www.metalera.com). info@metalera.com.

Specifier Notes: Specify if substitutions will be permitted.

* + - 1. Substitutions: [Not permitted] [Comply with Division 01].
		1. MANUFACTURED COUNTERFLASHING SYSTEMS

Specifier Notes: Specify Metal-Era, Inc. counterflashing version as required for the Project. Delete counterflashing versions not required.

Consult Metal-Era, Inc. for custom capabilities.

* + - 1. Counterflashing: Metal-Era “Counter-Flash” 1-piece counterflashing, reglet version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete model not required.

* + - * 1. Model: [CFR-375, 3-3/4-inch (95-mm) face height] [CFR-525, 5-1/4-inch (133-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Counterflashing: Metal-Era “Counter-Flash” 2-piece counterflashing, reglet version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete models not required.

* + - * 1. Model: [CFR2-350R, 3-1/2-inch (89-mm) face height] [CFR2-400R, 4-inch (102-mm) face height] [CFR2-500R, 5-inch (127-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Counterflashing: Metal-Era “Counter-Flash” 1-piece counterflashing, surface-mounted version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete model not required.

* + - * 1. Model: [CFW-375, 3-3/4-inch (95-mm) face height] [CFW-562, 5-5/8-inch (143-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [0.063-inch (1.60-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
			1. Counterflashing: Metal-Era “Counter-Flash” 2-piece counterflashing, surface-mounted version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete models not required.

* + - * 1. Model: [CFW2-350R, 3-1/2-inch (89-mm) face height] [CFW2-400R, 4-inch (102-mm) face height] [CFW2-500R, 5-inch (127-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Counterflashing: Metal-Era “Counter-Flash” 2-piece counterflashing, thru-wall version.
				1. Provides watertight termination at leading edge and inside of wall.

Specifier Notes: Specify model. Delete models not required.

* + - * 1. Model: [CFTHRUWALL-350R, 3-1/2-inch (89-mm) face height] [CFTHRUWALL-400R, 4-inch (102-mm) face height] [CFTHRUWALL-500R, 5-inch (127-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Counterflashing: Metal-Era “Counter-Flash” 2-piece counterflashing, adaptable reglet version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete models not required.

* + - * 1. Model: [CFRA2-350R, 3-1/2-inch (89-mm) face height] [CFRA2-400R, 4-inch (102-mm) face height] [CFRA2-500R, 5-inch (127-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Counterflashing: Metal-Era “Counter-Flash” 2-piece counterflashing, adaptable surface-mounted version.
				1. Provides watertight termination at leading edge of roofing material.

Specifier Notes: Specify model. Delete models not required.

* + - * 1. Model: [CFWA2-350R, 3-1/2-inch (89-mm) face height] [CFWA2-400R, 4-inch (102-mm) face height] [CFWA2-500R, 5-inch (127-mm) face height].

Specifier Notes: Specify material. Delete materials not required. Consult Metal-Era, Inc. for information regarding other materials.

* + - * 1. Material: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [0.050-inch (1.27-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

* + - * 1. Finish: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes: 12 inches (305 mm) on center.
				4. Prenotched Lap Joints: 3 inches (76 mm).
			1. Termination Bar: 2-piece termination bar.
				1. Covers termination of roofing material at vertical surfaces.
				2. Model:

Bar: CB-175.

Cover: CF-175.

* + - * 1. Material:

Bar: 0.063-inch (1.60-mm) aluminum.

Specifier Notes: Specify material. Delete material not required. Consult Metal-Era, Inc. for information regarding other materials.

Cover: [24-gauge (0.65-mm) galvanized steel] [0.040-inch (1.01-mm) aluminum] [\_\_\_\_\_\_\_\_\_\_\_\_].

* + - * 1. Finish:

Bar: Mill finish.

Specifier Notes: Specify finish. Delete finish not required. Consult Metal-Era, Inc. for description of the finishes available for each material and for information regarding other finishes.

Cover: [Hylar 5000/Kynar 500] [Coil anodized] [\_\_\_\_\_\_\_\_\_\_\_\_].

Specifier Notes: Specify color. Consult Metal-Era, Inc. for standard and custom colors.

* + - * 1. Cover Color: \_\_\_\_\_\_\_\_\_\_\_\_.
				2. Formed Lengths: 12’-0” (3.65 m).
				3. Slotted Fastening Holes in Bar: 6 inches (152 mm) on center.
				4. Cover: Snap-on cover conceals fasteners.
		1. ACCESSORIES

Specifier Notes: Delete accessories not required.

* + - 1. Joint Sealants: Specified in Section 07 92 00.
			2. Fasteners: Appropriate for intended substrate.
	1. EXECUTION
		1. EXAMINATION
			1. Examine areas to receive counterflashing.
			2. Verify surfaces to support counterflashing are clean, dry, straight, 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 counterflashing in accordance with manufacturer’s instructions at locations indicated on the Drawings.
			2. Remove protective vinyl film immediately before installation.
			3. Install counterflashing to provide watertight termination at leading edge of roofing material.
			4. Install counterflashing to allow for thermal movement.
			5. Joint Sealants: Apply joint sealants in accordance with manufacturer’s instructions.
		3. ADJUSTING
			1. Repair minor damages to finish in accordance with manufacturer’s instructions and as approved by Architect.
			2. Remove and replace with new material, damaged components that cannot be successfully repaired, as determined by Architect.
		4. CLEANING
			1. Clean counterflashing promptly after installation in accordance with manufacturer’s instructions.
			2. Do not use harsh cleaning materials or methods that could damage finish.
		5. PROTECTION
			1. Protect installed counterflashing to ensure that, except for normal weathering, counterflashing will be without damage or deterioration at time of Substantial Completion.

END OF SECTION