	Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01 - Yale Design Standard Division: 07 00 00 Thermal and Moisture Protection	Section: 07 60 00 Requirements for Flashing and Sheet Metal
		Date: December 2023
		Author: Office of Facilities

PART 1 - INTRODUCTION

1.1 PURPOSE

This section contains general design criteria for flashing and sheet metal.

PART 2 - GENERAL DESIGN REQUIREMENTS

2.1 SYSTEM DESIGN AND PERFORMANCE REQUIREMENTS

- A. Copper flashing materials are used predominately in a wide variety of conditions.
- B. The use of pre-finished, galvanized steel flashing is prohibited on a waterproofing project where it extends below grade or below the wearing surface.
- C. Seal all cast iron vents with lead jacketing.
- D. Sheet metal work must comply with the requirements in the SMACNA architectural sheet metal manual.
- E. Flashing and sheet metal work must physically protect related work from damage that would permit water leakage to the building interior.
- F. Roof perimeter flashing installations must meet FM 1-49 requirements.


2.2 SUBMITTALS

All details related to flashing must be drawn at large scale.

2.3 PRODUCT STANDARDS

Products must conform to the following standards.

- A. Fascias, coping, and roof flashing, with exposed vertical faces of 10" or less, must be 22-gauge material.
- B. Fascias, coping, and roof flashing, with exposed vertical faces of more than 10", must be 20-gaugematerial.
- C. Downspouts must be 20-gauge material.
- D. Hook strips and keepers must be 22-gauge material.
- E. Other sheet metal must be 24-gauge material.

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2.4 MATERIALS

- A. Use copper flashing.
- B. Use lead-coated copper.
- C. Use zinc-coated steel.
- D. Use pre-finished flashing material that meets the following requirements:
 - 1. Pre-coated galvanized steel
 - 2. ASTM A525–G90
 - 3. Shop pre-coated with fluoropolymer coating
 - 4. Custom color selected by the architect

2.5 ACCESSORIES OR SPECIAL FEATURES

Provide galvanized steel or stainless steel fasteners, with neoprene washers, at exposed fastenings. Finish exposed fasteners in the same manner as flashing material.

2.6 PREPARATION

The contractor must verify the following:

- A. Roof openings, curbs, pipes, sleeves, ducts, or vents through the roof are solidly set, cant strips and reglets are in place, and nailing strips are located.
- B. Membrane termination and base flashings are in place, sealed, and secure.
- C. Beginning the installation constitutes acceptance of the conditions.

2.7 INSTALLTION GUIDELINES

Refer to details included in the SMACNA architectural sheet metal manual.

Date	Description of Change	Pages / Sections Modified	ID
12/1/23	Template update	-	Office of Facilities