

DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 71 23 MANUFACTURED GUTTERS AND DOWNSPOUTS

PART 1 - GENERAL

1.01 DESIGN CRITERIA

1. Materials:
 - i. Exterior downspouts and gutters: Steel or aluminum.
 - ii. Interior downspouts: Cast iron or DWV copper.
 - iii. Buried downspouts: Cast iron only.
2. Components shall be sized to accommodate a 5-year storm rainfall intensity.
3. Coordinate installation of gutters and downspouts with interfacing and adjoining construction to provide a leak-proof, secure and noncorrosive installation.
4. Finishes shall be factory-applied. Color shall be selected from the manufacturer's standard color line and approved by the WSU Project Manager.

PART 2 - PRODUCTS

2.01 SEAMLESS ALUMINUM ROOF GUTTERS AND DOWNSPOUTS

- A. Standard thickness shall be .051 gauge aluminum

2.02 FASTENERS

- A. Provide fasteners, protective coatings, separators, sealants and other miscellaneous items as required for complete sheet metal flashing and trim installation as recommended by manufacturer.

PART 3 - EXECUTION

3.01 GENERAL

- A. Unload, store, and install sheet metal flashing materials and fabrications in a manner to prevent bending, warping, twisting and surface damage.
- B. Join length of gutters and downspouts with formed seams sealed watertight.
- C. Flash and seal gutters to downspouts and accessories. Seal all joints watertight.
- D. Slope gutters to downspouts minimum 1/16" per foot.

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- E. On-center spacing of fasteners shall not exceed 2 feet, regardless of the type of fastener used.

3.02 METAL PROTECTION

- A. Where dissimilar metals will contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with bituminous coating or by other permanent separation as recommended the manufacturer.

END OF SECTION