

SECTION 077100

GUTTERS AND DOWNSPOUTS

PART 1 – GENERAL

1.1 DESCRIPTION OF WORK

- A. The work under this Section shall generally consist of, but not necessarily be limited to, providing all labor, material, devices and equipment required for the installation of gutters, downspout, splashguards, and all associated items.

1.2 SUMMARY

- A. This Section includes:
 - 1. Gutters
 - 2. Downspouts
 - 3. All associated Items

1.3 SUBMITTALS

- A. Make submissions in accordance with ‘SCHEDULE OF MATERIAL SUBMITTALS’, attached at end of the specifications.
- B. No deviations, substitutions or changes of materials, to be incorporated into this project shall be made after approval by the Department, except for written direction by and the approval of the manufacturer of a specific item and re-approval by the Department.
- C. The Department retains the right to require submission of additional items, not specifically indicated, for approval and/or additional clarification.

1.4 QUALITY ASSURANCE

- A. Before commencing work, the Contractor shall have submitted all ‘Material Submittals’ required for the items to be incorporated into the work under this Section and received approval from the Department.

1.5 DELIVERY AND STORAGE OF MATERIAL

- A. All material delivered to the site for inclusion under this Section shall bear manufacturers original product labels intact and fully legible.
- B. Material shall be delivered in full, unbroken and/or undamaged condition.

- C. Store materials in compliance with manufacturer's recommendations to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

PART 2 - PRODUCTS

DISCLAIMER

Items specified by specific name of a manufacturer are only to provide a guide to the type, quality, performance, characteristics, etc. Equal products by manufacturers not specified will be considered for inclusion into this project provided that they are submitted with sufficient supporting catalog data/information on which to base a decision for approval.

2.1 GENERAL

- A. Materials shall be compatible in every way, with all other components. Substitutions will not be permitted after approved descriptive data and/or shop drawings have been acted upon and distributed.

2.2 ALUMINUM GUTTER

- A. Material: 0.040" Aluminum
- B. Size/Style: as indicated on Drawings
- C. Color: To be selected by Department.

2.3 ALUMINUM DOWNSPOUT

- A. Material: Aluminum
- B. Thickness: 0.32"
- C. Size/Style: as indicated on Drawings
- D. Color: To be selected by Department

2.4 ASSOCIATED ITEMS

- A. Gutter straps, endcaps, outlets, downspout straps, elbows, and hangers shall be provided. Color shall match gutter/downspout.
- B. Fasteners shall be as recommended by Manufacturer and sized appropriately for type of application. Color shall match aluminum gutter/downspout.

2.5 SPLASHBLOCK

- A. Splashblock shall be 1 piece concrete, 3" x 12 " x 24".

PART 3 – EXECUTION

3.1 EXECUTION

A. Gutter

1. Install gutter system as per manufacturer's recommendations, to include gutter, gutter straps, endcaps, outlets, downspouts, downspout straps, elbows, and hangers.
 - a. Gutter shall be positioned in relationship with the roof edge so that the water flows into the gutter and does not flow beyond the gutter edge.
2. Gutter system should be properly supported with gutter straps/bracing spaced at a maximum of 3'-0" o.c.
3. Overlap gutter pieces a minimum of 4".

B. Downspout

1. Downspouts shall be installed at a maximum of 20'-0" o.c. and within 2'-0" of the ends of the building.
2. Install downspouts with 3 downspout straps per 12' section.
3. Downspout shall be installed at existing locations unless otherwise directed.
4. Attach elbow to bottom end of downspout to direct water away from building

C. Sealants

1. Apply sealant to all joints and overlaps.

END OF SECTION