

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Manufactured Downspout Adapters.

1.2 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work of this Section.

EDIT THE FOLLOWING RELATED DOCUMENTS LISTED BELOW PER JOB

- B. Metal Fabrications as specified in Division-5
- C. Sheet Metal Flashing and Trim as specified in Division-7
- D. Manufactured Gutters and Downspouts as specified in Division-7
- E. Facility Storm Drainage as specified in Division-22
- F. Storm Utility Drainage Piping as specified in Division-33

1.3 SUBMITTALS

- A. Product Data: Manufacturer's technical product data, installation instructions and general recommendations for each specified fabricated product.
- B. Shop Drawings: Show layouts, profiles, shapes, dimensions, and details for fastening, joining, supporting, and anchoring downspout adapters. Provide details at a scale of 3" equal to 1'-0". If multiple finishes are required per documents, layouts shall indicate finish type.
- C. Samples: Provide 4"x4" samples of each specified factory finish.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: A firm experienced in producing metal fabrications similar to those described in this section and with a record of successful in-service performance, as well as sufficient production capacity to produce required units.
- B. ***[Mockups: Build mockups as indicated on drawings to demonstrate aesthetic effects and set quality standards for fabrication and installation. Approved mockup may be used on the project.]***

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.
1. Piedmont Downspout Adapters by Piedmont Pipe Construction, Inc. (1.877.489.0911) 7907 Commerce Drive, Denver, North Carolina, 28037 www.piedmontpipe.com
 2. Approved substitute.

2.2 MATERIALS

- A. Downspout Adapter Body: 3/16" **(4.763mm)** thick Stainless Steel, ASTM A 240/A 240M, Type 304. Size to be **[as indicated on documents] [coordinated with corresponding downspouts as indicated on documents]**, finished as follows:

SELECT ONE OR MORE OF THE FOLLOWING FINISH TYPES BELOW

1. Powder Coat
 - a. Color: **[As indicated on drawings] [As selected by the Architect from manufacturer's full range of colors] [Custom color(s) as selected by Architect]**
 2. Sandblasted Finish
 3. Brushed Finish
 4. Mirror Polish Finish
- B. Downspout Adapter Collar: Provide 1/8" **(3.157 mm)** thick Stainless Steel, ASTM A 240/A 240M, Type 304, to accept **[round] [rectangular]** downspouts as indicated in the drawings.
- C. Sweep: 1/8" **(3.157 mm)** thick Stainless Steel, ASTM A 240/A 240M, Type 304.
- D. Outlet Boot: Schedule 40 Polyvinyl Chloride (PVC), size to be **[as indicated on documents] [coordinated with corresponding storm drainage as indicated on documents]**.

SELECT ONLY "CLEANOUT COVER" FOR STANDARD DOWNSPOUT ADAPTER. SELECT ONLY "SELF-CLEANING DEBRIS TRAP" FOR SELF-CLEANING DOWNSPOUT ADAPTER.

- E. Cleanout Cover: 1/8" **(3.157 mm)** thick Stainless Steel, ASTM A 240/A 240M, Type 304.
- E. Self Cleaning Debris Trap: 1/8" **(3.157 mm)** thick Stainless Steel hinged cover and removable stainless steel debris screen, ASTM A 240/A 240M, Type 304.

2.3 MISCELLANEOUS MATERIALS

- A. Fasteners: Self-tapping concrete screws, pan head bolts, and other suitable fasteners designed to withstand design loads. Provide Type 304 or 316 stainless-steel fasteners for exterior use.

1. 1/4" x 1 3/4" Self-tapping concrete screws with anti-corrosive coating, consisting of alternating raised and lowered threads

SELECT ONLY "PAN HEAD BOLTS" FOR STANDARD DOWNSPOUT ADAPTER. SELECT ONLY "TAMPER PROOF PIN SCREWS" FOR SELF-CLEANING DOWNSPOUT ADAPTER.

2. 1/4 " x 1/2" pan head bolts for fastening cleanout cover
2. Tamper proof pin screws at debris cleanout door

2.4 FABRICATION, GENERAL

- A. Metal Surfaces: For metal fabrications exposed to view in the completed Work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.
- B. Conceal all anchoring fasteners, unless otherwise indicated.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. General: Install downspout adapters according to manufacturer's written instructions. Anchor securely in place and capable of resisting forces specified. Install downspout adapters to resist exposure to weather without failing, rattling, leaking, and fastener disengagement.
- B. Metal Protection: 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 by fabricator or manufacturers of dissimilar metals.
- C. Seal anchor penetrations with elastomeric sealant as required by manufacturer of downspout adapters.

END OF SECTION 07 71 23.13