PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Furnish and install metal soffit as described in Contract Documents.

1.2 REFERENCES

A. American Society For Testing And Materials:
   1. ASTM A 653-01, 'Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.'
   2. ASTM A 792-03, 'Standard Specification for Steel Sheet, 55 Percent Aluminum-Zinc Alloy-Coated by the Hot-Dip Process.'

1.3 SYSTEM DESCRIPTION

A. Performance Requirements:
   1. Perforated Soffit:
      a. Installed soffit system shall meet minimum required structural loading conditions when tested in accordance with Test Method No. 4 of AAMA Specification 1402-86.
      b. Face finish shall meet performance requirements of Test Method No. 6 of AAMA Specification 1402-86. Reverse side coating shall pass requirements of paragraphs 1.1 through 1.4 of Test Method No. 6.

1.4 WARRANTY

A. Manufacturer's written 20-year guarantee for finish.

PART 2 - PRODUCTS

2.1 COMPONENTS

A. Perforated Aluminum Soffit:
   1. Panels:
      a. 0.019 inch 0.48 mm thick minimum.
      b. 'V' groove design complete with matching trim.
      c. Panels shall be interlocked full length of panel.
      d. Perforated full width of panel with holes designed so one dimension does not exceed 1/8 inch 3 mm.
      e. Finish: Double baked enamel to meet or exceed specifications of MIL-C-5541 and FHA BULLETIN UM 27 with protective coating on back side.
      f. Finish: Double baked enamel to meet or exceed specifications of CAN2-93.1 and CAN / CGSB-93.2 with protective coating on back side.
      g. Color as selected by Architect from Manufacturer's standard colors.
      h. Type One Acceptable Manufacturers:
6) System 3-12L by Rollex, Elk Grove Village, IL  www.rollex.com.
7) Equal as approved by Architect before bidding. See Section 01 6000.

2. Fastening Devices:
   a. 1-1/4 inch 32 mm galvanized staples or as recommended by Soffit Manufacturer.
   b. Non-corrosive screws of length and type recommended by Soffit Manufacturer.

B. Soffits Panels:
   1. Materials:
      a. 0.032 inch 0.8 mm thick minimum 3105-H24 alloy aluminum
      b. 24 ga galvanized iron or steel meeting requirements of ASTM A 653, G 90.
      c. 24 ga minimum 50 ksi galvalume steel meeting requirements of ASTM A 792 AZ-55.
   2. Flush panel design with stiffening beads. Panels shall be interlocked full length of panel. Panel widths shall be Manufacturer's standard.
   3. Finish:
      a. Polyvinylethene Fluoride (PVF₂) Resin-base (Kynar 500 or Hylar 5000) finish for coil coating components containing 70 percent minimum PVF₂ in resin portion of formula. Thermo-cured two coat system consisting of corrosion inhibiting epoxy primer and top coat factory applied over properly pre-treated metal.
      b. Color as selected by Architect from Manufacturer's standard colors.
   5. Type One Acceptable Manufacturers:
      i. Equal as approved by Architect before bidding. See Section 01 6000.
   6. Fastening Devices: 1-1/2 inch 38 mm cadmium or zinc plated ring shanked nails.

C. Continuous Soffit Vent:
   1. Type Three Acceptable Products:
      b. Equal as approved by Architect before installation. See Section 01 6000.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Conceal fasteners where possible. Paint heads of exposed fasteners to match background.

B. Isolate from dissimilar metals to prevent electrolytic action.

C. Repair buckling or bowing due to improper installation at no cost to Owner.

END OF SECTION