SECTION 107301

METAL SUSPENDED CANOPY

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**NOTE TO SPECIFIER**

*Use this Specification Section for Mail Processing Facilities.*

***This is a Type 1 Specification with completely editable text; therefore, any portion of the text can be modified by the A/E preparing the Solicitation Package to suit the project.***

*For Design/Build projects, do not delete the Notes to Specifier in this Section so that they may be available to Design/Build entity when preparing the Construction Documents.*

*For the Design/Build entity, this specification is intended as a guide for the Architect/Engineer preparing the Construction Documents.*

*The MPF specifications may also be used for Design/Bid/Build projects. In either case, it is the responsibility of the design professional to edit the Specifications Sections as appropriate for the project.*

*Text shown in brackets must be modified as needed for project specific requirements.* *See the “Using the USPS Guide Specifications” document in Folder C for more information.*

*The last date that USPS revised this standard specification section occurs in two places, at the end of this section and in the Table of Contents. If the date in this section matches the date in the Table of Contents, then you are using the latest version. Do not delete or revise the “last revised” date at the end of the section during the development of the Project Manual.*

*The footer in this section should be edited to replace the text, “USPS MPF SPECIFICATION” with the project name, and the blank date in the center should be replaced with the submission date, for interim design reviews, or the issue date of the completed Project Manual.*

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1. GENERAL
   1. SUMMARY
      1. Section Includes:
         1. Requirements for prefabricated metal truck dock canopies.
         2. Design, Engineer manufacture and installation of prefabricated metal truck dock canopy systems. An assembly of aluminum tube framing, standing seam roof panels, perimeter gutter system, and downspout system incorporated into a complete framed system that has been tested and warranted by the manufacturer as a single source system.
         3. All anchors, brackets, and hardware attachments necessary to complete the specified structural assembly, weatherability and water-tightness performance requirements. All flashing up to but not penetrating adjoining work are also required as part of the system and shall be included.
         4. Trained and factory authorized labor with supervision to complete the entire panel installation.
      2. Related Documents: The Contract Documents, as defined in Section 011000 - Summary of Work, apply to the Work of this Section. Additional requirements and information necessary to complete the Work of this Section may be found in other Documents.
   2. SUBMITTALS
      1. Section 013300 – Submittal Procedures: Procedures for submittals.
         1. Product data: Data on unit construction, sizes, configurations, jointing methods and attachment method.

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**NOTE TO SPECIFIER**

Edit wind speed based on local codes, conditions, and requirements.

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* + - 1. Live and wind load calculations, per IBC, edition as adapted by jurisdiction.
      2. Assurance/Control Submittals:
         1. Certificates: Manufacturer’s certificate that components and products meet or exceed specified requirements.

4. Maintenance Data: The manufacturer shall provide recommended maintenance procedures, schedule of maintenance and materials required or recommended for maintenance.

5. Shop Drawings: Prefabricated canopies, including all framing details, gutter and downspout sizes, and anchoring methods.

6. Qualification Documentation: Submit documentation of experience indicating compliance with specified qualification requirements.

* + 1. Section 017704 – Closeout Procedures and Training: Procedures for closeout submittals.
       1. Project Record Documents.
  1. QUALITY ASSURANCE
     1. System must be evaluated and listed by recognized building code authorities: International Council Evaluation Service Inc. (ICC-ES).
     2. Materials and Products shall be manufactured by a company continuously and regularly employed in the manufacture, stocking, engineering, designing and building of Canopies using metal panel systems for a period of at least ten years. Manufacturers shall provide a list of at least ten projects having been in place a minimum of ten years, with similar size, scope, climate and type.
     3. Erection shall be a factory-approved installer who has been in the business of erecting similar material for at least five consecutive years and can show evidence of satisfactory completion of projects of similar size, scope, and type.
     4. The manufacturer shall be responsible for the configuration and fabrication of the complete panel system and will ensure that it fully meets all requirements of this specification.
  2. DELIVERY, STORAGE, AND HANDLING
     1. Section 016000 – Materials and Equipment: Transport, handle, store, and protect products.
     2. Deliver to Project site in manufacturer’s unopened container.
  3. WARRANTY:
     1. Section 017704 – Closeout Procedures and Training: Procedures for closeout submittals.
     2. Provide a single source Canopy system manufacturer warranty against defective materials and fabrication. Submit manufacturer’s written warranty agreeing to repair Canopy system work, which fails in materials within one year of the date of delivery.
     3. In addition, submit installer’s written warranty agreeing to repair installation workmanship, defects and leaks within one year of the date of delivery.
  4. MAINTENANCE
     1. Section 017704 – Closeout procedures and training: Procedures for closeout submittals.

1. PRODUCTS

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**NOTE TO SPECIFIER**

Verify manufacturer information, Product numbers, and availability at time of Project Manual preparation for Project.

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* 1. MANUFACTURERS
     1. Subject to compliance with project requirements, the following manufacturers/products or approved equals ae considered acceptable:
        1. Sundance Manufacturing, Inc, Orlando, FL (800)940-1337
        2. Peachtree Protective Covers, Hiram, GA, (770)439-2120.
     2. Section 016000 – Product Requirements; Product options and substitutions. Substitutions: permitted.
     3. Description: The canopy shall be fabricated in sections approx. 28 feet in length and hang from the exterior wall with no independent column supports. It shall slope towards the building with a continuous gutter along the building. The gutter leaders shall tie into the building downspouts for drainage.
        1. Canopy width shall be 3 feet -10 inches.
        2. Perimeter Framing: Prefinished aluminum perimeter gutter framing, minimum 4 x 10 inches.
        3. Interior Framing Members: Prefinished aluminum tube framing, minimum 2 x 3 inches.
        4. Hanging Support System: Prefinished aluminum tube kickers, minimum 1-1/2 inch, and wall plates min., 6 x 6 x 1/4 inches, spaced a max. of 10 feet on center.
        5. Roof Panels: Standing seam metal roof panels, 24 gage.
     4. All exposed Aluminum Finish shall be Polymer Resin powder coat per AAMA 2604 with 10-year warranty.
        1. Colors shall be selected by Architect from Standard Color Chart

1. EXECUTION
   1. EXAMINATION
      1. Section 017300 - Execution: Verification of existing conditions before starting work.
      2. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.
      3. Report in writing to Project Manager prevailing conditions that will adversely affect satisfactory execution of the Work of this Section. Do not proceed with Work until unsatisfactory conditions have been corrected.
      4. By beginning Work, Contractor accepts conditions and assumes responsibility for correcting unsuitable conditions encountered at no additional cost to the United States Postal Service.
   2. INSTALLATION
      1. Install components in strict accordance with manufacturer’s instructions and approved shop drawings. Use proper fasteners and hardware for material attachments as specified.
      2. Use methods of attachments to structure allowing sufficient adjustment to accommodate tolerances.
      3. Remove all protective coverings on panels immediately after installation.
   3. CLEANING
      1. Follow manufacturer’s instructions when washing down exposed panel surfaces using a solution of mild detergent in warm water that is applied with soft, clean wiping cloths. Always test a small area before applying to the entire area.
      2. Follow strict panel manufacturer guidelines when removing foreign substances from panel surfaces requiring mineral spirits or any solvents that are acceptable for use. Always test a small sample to validate compliance before applying to the metal canopy assembly.
      3. Installers shall leave panel system clean at completion of installation. Provide final cleaning upon completion of project, following manufacturer’s cleaning instructions.
   4. FIELD QUALITY CONTROL
      1. Section 014000 – Quality Requirements: Field testing and inspection.

END OF SECTION

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