

PART 1 GENERAL

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Electrical Section 16000

1.3 SCOPE OF WORK INCLUDED

- .1 The extent of the metal soffit work is shown on the drawings. The system consists of prefinished white aluminum panels used for the soffit application on the exterior of this project. Includes all runners, cross runners, edge trim and wall trim.

1.4 SUBMITTALS

- .1 Submit shop drawings and samples in accordance with Section 01340.
- .2 Clearly indicate fabrication details, plans, deviations, hardware and installation details. Include layout plan of system components, details of connections, carrier layout, and connections to other building components.
- .3 Samples : submit 3 @ 8 " long samples of the soffit material (white).

1.5 WARRANTY

- .1 Provide a Warranty as stipulated in the General Conditions, but for an extended period of 1 year from the date of final completion and acceptance of the Work. Warranty shall be signed by both manufacturer and installer.

1.6 MAINTENANCE MANUAL

- .1 Provide triplicate set of printed maintenance instructions for inclusion in Data Manual as specified in Division 1.

1.7 QUALITY ASSURANCE

- .1 Installer : a firm with no less than 3 years experience in the installation of metal soffits on project of similar size and requirements.
- .2 Compatibility : Furnish only associated components that have been recommended by the manufacturer of the soffit system.
- .3 Performance Characteristics : provided manufacturer's standard system which when installed, provides a flame spread rating of 0-25 according to ASTM E-94.
- .4 Mock-up : Prior to installation of the metal soffit system, erect a sample mock up using system components where directed by the architect.

1.8 DELIVERY / STORAGE / HANDLING

- .1 Delivery of Materials : Deliver components to project site in manufacturer's original unopened packages clearly labelled with manufacturer's name and identification numbers.
- .2 Storage of Materials : Store components in fully enclosed space above the floor on skids to prevent warpage, scratches or damage from moisture. direct sunlight and other surface contamination.
- .3 Handling of Materials : Handling components in such a manner as to prevent racking, chipping of edges, distortion or other physical damage of any kind.

1.9 PROJECT CONDITIONS

- ____.1 Existing Conditions : Inspect concrete and masonry structure and curtain wall prior to beginning installation. General contractor is to be informed of any irregularities.
- .2 Space Conditions : Do not install soffits until all overhead work has been completed. Coordinate installation with mechanical and electrical work required to be incorporated into the metal soffit system.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- .1 Soffit System - 150F as manufactured by Hunter Douglas Architectural Products, Inc., P.O. Box 724568, Atlanta Georgia 30339. OR Equal

2.2 MATERIALS

- .1 Exposed 150F Panels : 5 29/32" wide 3/4" deep rolled formed exterior cladding aluminum with interlocking edges.
Finish to be factory applied Luxacote, polyurethane with nylon reinforced top coat (white 0401). Perforations in 10 % of soffit area , remainder solid.
Perforations to be .078" hole . 196" o.c. staggered pattern.
- .2 Panel Splice : Formed aluminum finished in 7080 natural colour.
- .3 Carrier : V shaped roll formed aluminum section with hook shaped tabs spaced to receive panels at 5 29/32" o.c. Finish is to be factory supplied black enamel.
- .4 Attachment Devices : 12GA, galvanized carbon steel hanger wire.

2.4 FABRICATION

- .1 Suspension system : fastened and secured directly to concrete substructure.
- .2 Panels : Edges formed to snap onto carriers with a positive locking action.
- .3 Accessory Items : Independently suspended air distribution devices, lighting fixtures and access doors.

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Take field dimensions of Work upon which Work of this Section depends before fabrication. Field adaptation of Work fabricated in error or without field check will not be allowed without Consultant's approval.
- .2 Installer to examine areas to receive Soffit system for conditions that might adversely affect the installation of the system. Report all unsatisfactory conditions to

the General Contractor. Do not start installation work until all unsatisfactory conditions have been corrected. Verify that all work behind the metal linear system has been completed prior to start of installation.

3.2 PREPARATION

- .1 Coordination : Furnish layout for inserts, clips and other support items required to be installed by other trades prior to time of installation.
- .2 Measurements : Field measure each area and establish layout to balance borders and minimize out of square conditions.

3.3 INSTALLATION

- .1 Erect Work straight, plumb, level, and secured to prevent distortion or displacement or both
- .2 General : Install materials in accordance with manufacturer's printed instructions and to comply with governing regulations and industry standards applicable to the work.
- .3 Suspension System : Install suspension system to comply with requirements of ASTM c-636. Support hangers from the building structure or inserts with eye screws or other devices by looping and wire tying. For exterior installations, hanger wire locations, compressions post and expansion joint configurations should be reviewed and certified by a local structural engineer.
- .4 Edge Moulding : Install edge moulding at perimeter of panel system and at other locations where required to conceal edges of system.
- .5 Panels : Install panels perpendicular to carriers. Scribe and cut panels as necessary to fit at borders and other penetrations.
- .6 Light Fixtures : Coordinate with electrical subcontractor. Cutting of openings in soffit systems shall be Work performed by this Section in locations

indicated or as necessary to meet performance requirements. Light fixtures are to be independently supported from the structure above and shall bear to weight on the metal soffit ceiling system.

3.3 CLEANING

- .1 Final cleaning in accordance with Division 1
- .2 Ensure that all moving parts move freely. Adjust components for uniform tolerance. Replace any soffit panels that are scratched or dented.
- .3 Clean exposed surfaces with non-solvent based, non abrasive commercial cleaner.

END OF SECTION