

SECTION 07410 - METAL SIDING SOFFITS AND TRIM

PART I - GENERAL

1.01 DESCRIPTION

- A. Work includes an interlocking metal panel system installed at the gable returns of the Neighborhood Prototype and metal siding.

1.02 QUALITY ASSURANCE

- A. All panels and accessories are to be factory formed, finished and packaged.
- B. Applicator shall have five years minimum experience applying these types of panels.
- C. Comply with local codes for installation of metal panel soffit system.

1.03 WARRANTY

- A. Provide manufacturers standard twenty year finish warranty.
- B. Panel installer shall issue a two year weather tight and workmanship guaranty.

1.04 SUBMITTALS

- A. Submit complete shop drawings, details, product data and material sample to Architect of Record.

PART II - PRODUCTS

2.01 SOFFITS (at Neighborhood Prototype gable returns only)

- A. Manufacturers: ATAS International, Inc., McElroy Metals, Inc.
- B. Panel: ATAS "Wind-Lok™" WLW-120 or McElroy "Matrix" vented soffit panel with integral lock and seam design.
  - 1. Gauge: 0.032.
  - 2. Color: Kynar 500® Sandstone White.
  - 3. Length: Manufacturers standard 12 ft., depth; 7/16 inch.
- C. Fabrication: Fabricate panels, trim and accessories to allow controlled expansion in running lengths in relation to system components, adjoining materials, flashing and wall construction.

2.02 SIDING

- A. Panel (at Drive-Thru fascia and gable end wall): ATAS International, Inc "Opaline™", Dimensional Metals, Inc. (DMI) "Flush Panel" or Walgreens approved equal
  - 1. Panel code: Atlas #OPF 080, joint style "C" (no reveal), DMI #FP-1008.
  - 2. Gauge: 24 ga. G-90 galvanized steel.

3. Panel Width: 8 inches.
4. Texture: Smooth.
5. Finish: Kynar 500® color to match adjoining standing seam roof.

B. Panel (at rear of entry tower): Prefinished "M" profile, steel sheet

1. Manufacturer: Berridge Manufacturing Company, Material Building Components, Inc. (MBCI), DMI "R" panel or approved equal.
2. Gauge: 26 ga.
3. Color: Kynar500® manufacturers standard color that most closely matches the color of the adjoining finished wall. Galvanized finish acceptable in areas not readily visible from within the site.

2.03 TRIM & ACCESSORIES

A. Soffits: (at Neighborhood Prototype gable returns only)

1. Factory formed in standard 12-ft. lengths. Color to match panels.
2. Provide all trim, closure strips, etc. required for proper installation.
3. Anchorage: Anchor in compliance with manufacturers instructions.

B. Siding:

1. Manufacturers standard fasteners, brackets, clips, furring strips, spacers, flashings, closures, weather-stripping, joint sealers, sealants, expansion control, etc. as required for complete weathertight installation.
2. Anchorage: Comply with manufacturers instructions.

PART III - EXECUTION

3.01 INSTALLATION – Soffits

- A. System shall be installed level and true to line.
- B. Panel system shall not come in contact with dissimilar materials, which will cause harmful reactions between the metals and/or finish.
- C. Panels shall be fully interlocked with its adjacent panel.
- D. Install system to prevent bending, buckling, twisting, abrasion, scratching, denting, etc. Only minor scratches may be touched-up in field.

3.02 INSTALLATION - Siding

- A. Separate dissimilar metals with coat of bituminous paint, concealed on one or both sides.

- B. Anchor components securely in place. Use fasteners recommended by panel manufacturer. Accommodate thermal and structural movement. Use gasketed fasteners to prevent electrolytic action between metals.
- C. Tolerances: Erect work level and plumb with variance not exceeding 1/4 inch in 20 ft in any direction.
- D. Align vertical joints where Drive-Thru gable end panels adjoin fascia band immediately below.

3.03 PERFORMANCE

- A. Load Capacity: Normal uniform loading of 20 psf inward and outward without failure or as required by local authorities/conditions.
- B. Deflection: Maximum of 1/180 for simple span, loaded as indicated or as required by local authorities/conditions.
- C. Water Penetration: No uncontrolled leakage under spray test and 4 psf air pressure differential.

3.04 CLEANING

- A. Completed system shall be clean and free from grease, stains and finger marks.

3.05 PROTECTION

- A. Protect work to be free from damage at time of Walgreens acceptance and completion of entire project.

END OF SECTION

