

SECTION 07 42 13 – METAL WALL PANELS**PART 1 GENERAL****1.1 ADMINISTRATIVE REQUIREMENTS**

- A. Pre-Installation Conference:
 - 1. Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.
 - 2. Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

1.2 SYSTEM DESCRIPTION

- A. Design Requirements:
 - 1. Minimum wind pressures in accordance with [ASCE 7,] [Building Code,] [____,] [with maximum allowable deflection of [L/240] [L/360] [____], tested in accordance with ASTM E1592].
 - 2. Movement caused by an ambient temperature range of [120] [____] degrees F and a surface temperature range of [160] [____] degrees F.
- B. Performance Requirements:
 - 1. Air leakage: Maximum [____] CFM per square foot of soffit area, measured at reference differential pressure across assembly of [____] PSF, tested to ASTM [E283/E283M.] [E1680.]
 - 2. Water leakage: None, tested to ASTM [E331] [E1646] with test pressure of [____] PSF.
- C. System design to be performed by qualified professional engineer licensed in State of [____].

1.3 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data and product attributes.
 - 3. Samples: [Selection samples.] [Verification samples.]
- B. Informational Submittals:
 - 1. Certificate of Compliance: Certification that installed products meet specified design and performance requirements.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum [2] [____] years' experience in work of this Section or installer supervised by manufacturer's representative.
- B. Mockup: [4 x 8 feet.] [____ x ____ feet.] [____.] Approved mockup [may] [may not] remain as part of the Work.
- C. Fire Hazard Classification, tested to ASTM E84.
 - 1. Flame spread: 0.
 - 2. Smoke developed: Maximum 60.

1.5 WARRANTY

- A. Manufacturer's 15 year warranty against defects in materials.
- B. Installer's [5] [____] year warranty against defects in workmanship.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on products by Parallel Architectural Products. www.parallelap.com
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 COMPONENTS

- A. Metal Wall Panels:
 - 1. Description: Extruded aluminum profiles with powder coating on exposed surfaces.
 - 2. Aluminum extrusions: ASTM B221, alloy and temper best suited to application.
 - 3. Powder coating: TGIC-free polyester meeting performance requirements of AAMA 2604.
 - 4. Siding profile: [CB-4 - 4 inch nominal width.] [CB-6 – 6 inch nominal width.] [CBV-6 – 6 inch nominal width.] [CB-8 – 8 inch nominal width.] [CB-12 – 12 inch nominal width.]
 - 5. Trim profiles:
 - a. Outside corner: C-CF – 2 x 2 inches.
 - b. Inside corner: C-CM – 2 x 2 inches.
 - c. Casing: C-EC – 1-1/8 inch width.
 - 6. Color: [_____] [To be selected from manufacturer's full range of [Woodgrain – Standard] [Woodgrain - Non-Standard] [Solid – Standard] [Solid – Non-Standard] colors.]

2.3 ACCESSORIES

- A. Clips and Other Attachments: Extruded aluminum, size and profile to suit project conditions.
- B. Fasteners: [AISI 1016, zinc-plated steel.] [Fluoropolymer coated steel.] [Manufacturers' recommended fastener.]

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION