PART 1  GENERAL

1.01 SECTION INCLUDES
   A. Manufactured metal panels for walls, with related flashings.

1.02 RELATED SECTIONS
   A. Section 07900 - Joint Sealers.

1.03 REFERENCES

1.04 DESIGN REQUIREMENTS
   A. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.

1.05 SUBMITTALS
   A. Shop Drawings: Indicate dimensions, layout, joints, construction details, methods of anchorage.
   B. Samples: Submit two samples of wall panel, 4 inch by 6 inch in size illustrating finish color, sheen, and texture.

1.06 QUALITY ASSURANCE
   A. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
   B. Installer: Company specializing in performing the work of this section approved by manufacturer.

1.07 DELIVERY, STORAGE, AND PROTECTION
   A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
   B. Store prefinished material off ground and protected from weather. Prevent twisting, bending, or abrasion, and provide ventilation to stored materials. Slope metal sheets to ensure drainage.
   C. Prevent contact with materials that may cause discoloration or staining of products.

1.08 PROJECT CONDITIONS
   A. Coordinate the Work for installation of vapor retarder and air barrier seals.
   B. Coordinate the Work with installation of window and roof edge flashing components or materials.

1.09 WARRANTY
   A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
   B. Correct defective Work within a two year period after Substantial Completion, including defects in water tightness and integrity of seals.

PART 2  PRODUCTS

2.01 MANUFACTURERS
A. IMSA Steel Building Products; Product HR-36 metal wall panels.
B. Substitutions: See Section 01600 - Product Requirements.

2.02 MATERIALS
A. Precoated Steel Sheet: Aluminum-zinc alloy-coated steel sheet, ASTM A 792/A 792M, Commercial Steel (CS)) or Forming Steel (FS), with AZ50/AZM150 coating; continuous-coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.03 ACCESSORIES
A. Gaskets: Manufacturer's standard type suitable for use with system, permanently resilient; ultraviolet and ozone resistant.
B. Sealants: Specified in Section 07900. Manufacturer's standard type suitable for use with installation of system; non-staining; color as selected.
C. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers, steel, hot dip galvanized. Fastener cap same color as exterior panel.
D. Field Touch-up Paint: As recommended by panel manufacturer.
E. Bituminous Paint: Asphalt base.
F. Building Paper: ASTM D 226, Type I ("No. 15"), unperforated asphalt felt.

2.04 FABRICATION
A. Form sections true to shape, accurate in size, square, and free from distortion or defects.
B. Form pieces in longest practicable lengths.
C. Form panels for interlocking seams.

PART 3 EXECUTION

3.01 EXAMINATION
A. Verify that framing members are ready to receive panels.

3.02 PREPARATION
A. Install 1 layer building paper horizontally on walls to receive panels.
B. Weather lap edges 6 inches and ends minimum 6 inches, minimum.
C. Stagger vertical joints of each layer.
D. Securely staple in place.

3.03 INSTALLATION
A. Install panels on walls in accordance with manufacturer's instructions.
B. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint. Allow to dry prior to installation.
C. Fasten panels to structural supports; aligned, level, and plumb.
D. Locate joints over supports. Lap panel ends minimum 2 inches.
E. Use concealed fasteners unless otherwise approved by Architect/Owner.
F. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.04 TOLERANCES
A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch.

3.05 CLEANING
A. Remove site cuttings from finish surfaces.
B. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.

END OF SECTION