PART I - GENERAL

1.01 Summary: Manufactured roofing and siding systems inclusive of pre-formed metal roof and wall panels, soffits, miscellaneous fasteners, concealed and non-concealed, and flashing and trim for weather-tight system as appropriate.

1.02 Avoid snow and ice slide hazards. Metal roofs to have manufacturer approved devices to prevent snow and ice cascades from roof where injury to pedestrians or damage to property may occur.

1.03 Place stacks as close to ridge line as practical. Stack to extend above ridge or in accordance with requirements of the IMC (review with FS/DDC).

1.04 Specify high level of detail for shop drawings.

1.05 Discuss and confirm use of metal wall siding panels with FS/DDC Project Manager. Preference is to use an insulated metal panel product on main campus but other systems may be utilized based on the building’s energy model.

1.05 Warranty:

A. Manufacturer's standard twenty five (25) year or greater warranty that paint finish will not peel, crack, check or chip.

PART 2 - PRODUCTS

2.01 Materials:

A. Exterior finish: 0.8 millimeter premium fluoropolymer resin based finish coat (PVDF) applied over a 0.2 millimeter zinc and aluminum alloy base primer to a total film thickness of 1.0 millimeter. Interior finish: 0.35 off-white top coat over a 0.15 primer.

B. 22-24 gauge minimum on face. Insulated Metal Panels shall have minimum 24 guage back panel.

C. Trim shapes, soffit/wall panels and roofing and wall cap flashing formed from same materials with same finish as soffit/wall panels. Parapet caps to slope in to roof area. No "field" fabrication allowed. All exposed areas finished with PVDF.

2.02 Fasteners:

A. Concealed: Recommended by the panel system manufacturer.

B. Exposed: With neoprene washers. Color to match flashing and soffit/wall panels.
2.03 Perforated metal vents:
   A. 24 gauge min.

PART 3 - EXECUTION

3.01 Protection: Treat any contacting surfaces of dissimilar materials to prevent electrolytic corrosion.

3.02 Install a solid substrate and self-adhering membrane under all metal roof panels

3.03 Install wall siding panels with a thermal break between the exterior panel and the interior studs/wall finish.

3.04 Provide snow guards where required by local code and at minimum on any roof that may shed snow onto an entrance.

3.05 Provide metal gutter system for all pitched roofs. Collect water and route to an approved storm water system. In no case shall a gutter discharge directly onto a driving surface, sidewalk, stair, or other pedestrian walkway. Provide heat trace in downspouts as directed by FS/DDC per Division 23 or 26.

END OF SECTION