1.0 GENERAL

1.1 Related UBC Guidelines

.1 Section 07 00 10 Building Envelope – General Requirements
.2 Section 07 50 00 Membrane Roofing

1.2 Co-ordination Requirements

.1 Coordinate design with Building Envelope Consultant.

1.3 Performance Standards


.2 Fabricate to SMACNA (Sheet Metal and Air Conditioning Contractor's National Association) – Architectural Sheet Metal Manual Standards.

1.4 Quality Control and Assurance

.1 Quality Assurance

.1 Refer Section 07 50 00 Membrane Roofing.
.2 Follow all recommendations of the "RGC Roofing Practices Manual", as a minimum.

.2 Quality Control

.1 Refer Section 07 50 00 Membrane Roofing.

1.5 Submittals

.1 Provide samples for colour selection.

2.0 MATERIALS

.1 Base metal for sheet metal accessories and for sheet metal flashing and trim to be:

.1 Zinc coated sheet steel conforming to the requirements of ASTM A653 (or A653M as applicable) with a minimum zinc coating of G90 (Z275), or

.2 Aluminium-zinc coated (Galvalume) steel sheet conforming to the requirements of ASTM A792 (or A792M) with a minimum coating of AZ50 (AZM150).

.3 Aluminum sheet conforming to CSA HA Series1975, plain:

.1 Generally minimum 0.81 mm (20 gauge), 1.02 mm (18 gauge) at parapets and flashings 200mm (8") width or wider

.4 Minimum 24 gauge thickness.

.2 Exposed Coil-Coated Finish metal used for fabrication of flashings to be:

.1 Two-Coat Fluoropolymer: AAMA 621.
.2 Three-Coat Fluoropolymer: AAMA 621.
.3 Mica Fluoropolymer: AAMA 621.
.4 Metallic Fluoropolymer: AAMA 621.
.5 FEVE Fluoropolymer: AAMA 621.
.6 Siliconized Polyester: Epoxy primer and silicone-modified, polyester-enamel topcoat; with dry film thickness of not less than 0.2 mil (0.005 mm) for primer and 0.8 mil (0.02 mm) for topcoat: Cascadia Metals SMP Series.

.3 Provide continuous clip-type fasteners at all parapet flashings, of same material as flashing.
.4 Provide overflow scuppers whenever perimeter walls exceed 100 mm (4") in height, to BC Building Code requirements. Refer to SMACNA Appendix A-7, Scupper Sizing.
.5 Fabrication shall be standing seams only at inside and outside corners, S-Lock at all other locations.

3.0 EXECUTION

.1 Apply isolating coating to all metal surfaces in contact with cementitious materials.
.2 Avoid the use of reglets as roofing membrane terminations.
.3 Avoid surface fasteners.
.4 Provide 10% slope towards roof at all parapets, minimum 2% elsewhere.

***END OF SECTION***