1.1 **GENERAL**

1.2 Related Technical Requirements

.1 Section 07 00 10 Building Envelope – General Requirements

1.3 Performance Standards

.1 Performance must meet latest editions of ASHRAE 90.1 as well as BCBC.

.2 Thermal bridging should be coordinated with Building Envelope Professional.

1.4 Quality Control and Assurance

.1 Quality Control

.1 During construction, confirm performance standards are met.

2.1 **MATERIALS**

2.2 Performance Requirements

.1 None

2.3 Prescriptive Requirements

.1 Materials

.1 For plastic foam insulations, AN/ULC-S770 Standard shall apply for establishing the required "R" value (known as LTTR "Long Term Thermal Resistance" value in this standard).

.2 Expanded polystyrene insulation may not be used where in contact with ground, below-ground or wet locations.

.3 Provide spray-in-place polyurethane insulation at intersecting building assemblies (refer BCBC 5.3.1.3).

.4 Materials considered to have sufficient service life include:

.1 For rainscreen walls: semi rigid rock wool and fiberglass.

.2 For roofs: refer to RCABC’s list of approved products.

.3 Foams should only be used when protected by concrete or masonry such as in a precast or cast in place sandwich application.

.5 Fasteners (attachment of cladding, sub-girts, flashings, etc.) located in the exterior wall cavities shall be of stainless steel or PVC.

***END OF SECTION***