1.0 GENERAL

1.1 Co-ordination Requirements

.1 Coordinate design with Building Envelope Consultant.

1.2 Description

.1 Sealants (caulking) at all project locations.

1.3 Performance Standards

.1 UBC observes that:
  .1 The University experiences continual failures in exterior caulking on door and window
frames, louver frames, cladding joints and other areas of non-motion. Consequently, joint
sealants are not to be used as a primary method of waterproofing or shedding
water. Appropriate counter flashings and cladding details to be provided.
  .2 Only high performance elastomeric sealants are to be used. Sealants must be capable
of withstanding dynamically moving joints in exterior applications for long periods of time
(typically 20+ years).
  .3 All joints to receive sealant shall be designed to be 4 times as wide as the anticipated
movement. This should include movement due to thermal expansion and contraction as
well as structural movement. This is of particular importance at window and door
perimeters.
  .4 The consultant is therefore to develop details, select sealants, and involve manufacturers
so as to obtain high performance, durability, and low-maintenance, incorporating quality
assurance programs in the contract documents particular to the project and developed in
concert with manufacturers and specialist companies of this trade, and the envelope
consultant.

1.4 Quality Control and Assurance

.1 Submittals

.1 Before Start of Work
  .1 List of all proposed sealant materials and installation instructions for review, and
colour samples for selection by Consultant.
  .2 MSDS Material Data Sheets for review and posting at jobsite.
  .3 Certification reports of VOC content.

.2 At Completion

.1 Maintenance data shall be an itemized list:
  .1 C/W manufacturer / distributor name / sealant type / color formulation /
warranties.
.2 Quality Assurance

.1 Trade contractor who specializes in the application of sealant systems.

.3 Warranties

.1 Extended warranties for each product as offered by sealant manufacturers to apply.

2.0 MATERIALS

.1 Materials

.1 Exterior weather seal sealants shall be high performance neutral cure silicone such as:
  Dow Corning 991, 790 and 795 or GE SILPRUF and GE SILPRUF NB.

.2 Use non-staining sealants for sensitive substrates such as stone unless testing has been
done to ensure compatibility with regular sealants.

***END OF SECTION***