1.0 GENERAL

1.1 Related UBC Guidelines

.1 Division 26

1.2 Coordination Requirements

.1 UBC Building Operations Electrical Technical Support (Vancouver)
.2 UBC Facility Management (Okanagan)

2.0 MATERIAL AND DESIGN REQUIREMENTS

.1 Wiring exposed to excessive vibration (i.e. generators) shall be copper and type SIS.

.2 Components used to fasten, mount or secure electrical equipment and cables outdoors or in other corrosive locations shall be suitable and rated for such.

.3 The maximum general use duplex receptacles per circuit shall be installed as per the following:

   .1 Offices: 3 5-15R or 5 5-20R.
      .1 Circuits may not be shared between adjacent offices.
      .2 Designers should allow for 500W motorized desk in a workstation space circuited to general receptacles noted above.

   .2 Meeting/Conference Rooms: 4 5-15R

   .3 Break / Printer Rooms: 4 5-15R
      .1 Copiers and other equipment rated at over 1000W require a dedicated circuit.
      .2 Multi-function printers require a dedicated 5-20R

   .4 Reception Areas: 3 5-15R or 5 5-20R

   .5 Kitchen/Kitchenette Countertop Areas: 15-20R

   .6 Washrooms: 2 5-15R

   .7 Locker/Shower Room: 2 5-15R or 3 5-20R

   .8 Service Rooms: 2 5-20R

   .9 Study Carrells: 8 5-15R

   .10 Study Rooms: 4 5-15R

   .11 Corridors / Lobbies / Atrium: 4 5-15R

   .12 Laboratories: 3 5-15R or 4 5-20R
      .1 Equipment rated at over 1000W require a dedicated circuit.

   .13 Lecture Hall / Auditorium: 9 5-15R

   .14 Classroom: 4 5-15R

   .15 Gymnasium/Recreation/Exhibition Rooms: 4 5-15R

   .16 Building Exterior: 2 5-15R

.4 On floor wireway systems shall employ an outside the wall configuration where all connections are made to standard wall mounted duplex receptacles.

.5 Cable ties are not permitted for supporting conduit or armoured cable.
.6 Raceways shall not be permitted to be utilized as support for other raceways or armoured cables.

.7 Drilling is the only allowed method for mounting of electrical equipment. Powder actuated methods are not allowed.

.8 Permanent motors are required to be hardwired. Cord connected motors are allowed with limited exception where industry standard and hardwired connection is uncommon such as: condensate pumps, glycol tanks with pump and alarm and fractional motors for fans.

***END OF SECTION***