1.0 GENERAL

1.1 Related UBC Guidelines & Documents
.
   .1 Section 20 00 05 Mechanical - General Requirements
   .2 Section 22 00 00 Plumbing (and all subsections)
   .3 Section 33 49 00 Storm Drainage
   .4 All other Tech Guidelines as may be applicable to a given project.

1.2 Related Documents External to UBC
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   .1 BC Plumbing Code and all references contained there within
   .2 BC Building Code and all references contained there within
   .3 Work Safe BC Occupational Health and Safety Regulation

1.3 Description
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   .1 The Guidelines apply to all work completed within buildings on both UBC Vancouver and
        UBC Okanagan campuses unless stated otherwise.
   .2 In instances where conflicts are found between these guidelines and provincial regulations or
        codes, please notify UBC Mechanical Engineer.
   .3 These guidelines are intended to be read by designers and their content integrated into
        construction drawings and specifications. Construction documents are not to reference the
        technical guidelines directly.
   .4 It is the requirement of the mechanical designer to coordinate these requirements with other
        disciplines.

2.0 MATERIAL AND DESIGN REQUIREMENTS

These are requirements specific to UBC that may not exist in code or other jurisdictions. Any
deviation from these guidelines requires a variance be granted.

2.1 Design Requirements
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   .1 Refer to section 33 49 00 for more information on parkade drainage
   .2 Refer to section 22 30 00 for requirements for sump pumps.

2.2 Construction and Material Requirements
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   .1 Acceptable piping systems
      .1 Storm Above Grade
      .1 Cast Iron
      .2 Copper
   .2 Insulation:
      .1 Storm piping shall be insulated where there is the potential for condensation or
         freezing to occur. Including:
         .1 Underside of roof drain body
.2 Rainwater piping for 5m from drain
.3 Plumbing vents within 2m of roof/wall penetration
.4 Traps subject to freezing

.3 Perimeter drainage
   .1 Perforated PVC Pipe (non-flexible)
   .4 All roof drains shall have metal grates or leaf guards; plastic is not acceptable.

***END OF SECTION***