



Part 1 General

1.1 Summary

- .1 Unless otherwise indicated, follow the standards below when planning roofing work. These standards do not restrict or replace professional judgement.
- .2 7 K H V H J X L G H O L Q H V V K R X O G E H U H D G Z L W K W K H V S H F L I L F W H
Design and Technical Standards.

1.2 Design Requirements for Roofs

- .1 Devices used to control animal populations (pigeons, squirrels, bats, etc.) must be approved by McGill Buildings, Grounds and Special Events unit.
- .2 Roofing systems shall be chosen to reduce solar heat gain and heat island effect. Use roofing materials that have a three-year aged solar reflectance index (SRI) value equal to or greater than 64. If three-year aged value information is not available, use materials that have an initial SRI value equal to or greater than 82. A green roof is a preferred solution if structural and budgetary constraints permit. See section 32 50 00 Green Roofs
- .3 Inspection of Occupied Spaces beneath Roofs
 - .1 Before undertaking a new re-roofing project in an existing building, consultants shall inspect the occupied spaces beneath the roof and discuss the implications of the roofing work with the occupants of the building.
 - .2 It is obligatory to have the roofing contractor, who is awarded the contract, also inspect and take note of the condition of the existing occupied spaces beneath the roof upon which his contract will be performed, in order to assess and appreciate the risk that potential roof leaks would pose to the occupied space.
- .4 Roof Insulation Retrofit to Old Buildings
 - .1 Any contemplated installation of new insulation to retrofit old buildings envelopes must be approached with great care, especially if the building has never been





Part 2 Related Technical Sections

The technical sections of the McGill Building Design and Technical Standards should be consulted with the current document, most notably (but not limited to) the following:

Section Number	Title of Section
01 81 13	Sustainable Design Requirements
01 83 16	Exterior Enclosures Performance Requirements