



ROOFING

Division 7

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B . C . C O U N C I L O F C O N S T R U C T I O N T R A D E A S S O C I A T I O N S

Trade Tech Tips is a co-operative effort between the AIBC and the B.C. Council of Construction Trade Associations (COCTA). This series of publications is intended to improve the transfer of technical trade information from the trade associations to the members of AIBC. COCTA is responsible for the development of this information, which should be treated as general guidelines and evaluated on a specific project basis. If you have any comments or suggestions on this program, please contact Michael Ernest, MAIBC, Director of Professional Services at AIBC.



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ATTENTION: This insert is designed to provide insight on areas where architects should exercise caution; it attempts to provide clarification to questions most often asked by architects regarding Guarantee Standards for the RGC Guarantee Program.

LOW SLOPE ROOFING: slopes from (recommended) 1:50 (¼" in 12")
up to but not including 1:3 (4" in 12").

Parapet Wall Height Requirements - There is no minimum RGC height requirement for exterior parapet walls. See Tab 2.1.1 page 7 Standard A5.6.3 of the Roofing Practices Manual (RPM). The 200 mm (8") membrane stripping (flashing) height standard relates to inside (adjoining) walls, curbed openings, equipment sleepers, and expansion joints.

Roof Slope to Drain - RGC Guarantee Standards require positive slope to drain for all new construction projects. Positive slope to drain is attained when no standing water remains on the deck forty eight (48) hours after a rainfall stops. RGC recommends a minimum slope of 1:50 (¼" in 12"). Refer to Tab 3.3 page 1 of the RPM for additional information regarding roof decks.

Landscaped Roof Areas or Green Roofs - An RGC Guarantee is available on landscaped decks. Flood testing of roof assemblies to receive landscaping is not a requirement but is strongly recommended as good roofing practices. Refer to Tab 2.1.1. page 6 of the RPM for additional requirements.

Overflow Drains (Scuppers) - The B.C. Plumbing Code requires that all roofs have overflow drains. RGC Standards states that a professional engineer is to determine the location of overflow drains. When there is no determination from a professional engineer, RGC Standards require overflows to be installed on perimeter walls that exceed 100 mm (4") in height. Refer to Tab 2.1.1 page 8 Standard A6.6 of the RPM for additional information.

A R C H I T E C T U R A L I N S T I T U T E O F B R I T I S H C O L U M B I A

Conduit on Roof Decks - Conduit applied on top of roof deck surfaces is poor practice. Conduit can create uneven surfaces on decks or cause thermal bridging due to loss of insulation mass when the insulation is cut (gouged out) to span the conduit. Consequently, conduit applied on top of roof decks is not acceptable in the RGC Guarantee program unless prior express written approval has been issued by RGC.

Control Joints - The RGC Guarantee Standard that requires roofs to be divided into areas approximately 45 m x 45 m (150' x 150') is for Built-Up (asphalt & gravel) roofing systems only. For RGC acceptable flexible membranes, SBS, PVC, EPDM, TPO, etc. check with the membrane manufacturers for their requirements.

"New" Pipe Flashing Standard - Lead pipe flashings are no longer acceptable under the RGC Guarantee Program for Torch (open flame) applied roof systems. Aluminum welded pipe flashings that meet CSA B272-93 are available and are less susceptible to damage from torching. Project specifications should require that electrical and plumbing contractors supply roofers with aluminum welded pipe flashing on torch applied roof systems.

"New" RGC Alternative Low Slope Shingle Specification - Application STRA-LS-A allows the use of standard strip asphalt shingles applied over a modified bituminous self-adhesive membrane. For roof slopes from 1:6 (2" in 12") up to but not including 1:3 (4" in 12"). Refer to RPM Tab 7.1.4 for specification information.

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If you have a concern or questions about Roofing, please call our Technical Staff.

Information about RCABC/RGC

Visit our website at www.rcabc.org or contact us directly.

Roofing Practices Manual (RPM)

Accepted Materials, Guarantee Standards and Guide Specification updated annually and available to Registered Manual Holders on our website.

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