RCI Spring Conference
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Presented by
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RCABC TECHNICAL SERVICES

- We respond to calls from: Roof Inspectors, Roof Consultants, Building Owners and their representatives, Architects, Design Authorities, and the General Public.

- RCABC Technical Services
  - a review of roof details, assemblies and specifications
  - a review of inspection reports
  - assistance in interpreting and using the RCABC on-line Roofing Practices Manual (RPM)
THE FUTURE OF ROOFS IN BC
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RCABC FAQ from inspection firms and architects
FAQ FROM INSPECTION COMMUNITY

- green roofs
- railings
- low doorways
- parapets and curbs
- minimum slope parameters
- sloped to drain recommendations
- accepted materials
- how to find a Contractor
- how to find an Inspector
FOCUS ON FIVE ROOF DETAILS

1. Low doors
2. Parapets and cap flashings and determining “finished roof surface”
3. Railings
4. Insulation thickness
5. Overlay boards
LOW DOORWAYS
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- Membrane flashing or metal pan
- RGC accepted reinforced liquid flashing
- Door preferably installed after sill is prepared
- Overflow drains
LOW DOORWAYS
LOW DOORWAY – EXISTING POSSIBILITIES?
PARAPETS & CAP FLASHING

- Perimeter parapets (with no adjoining walls) are to be 3.5” minimum
- Field curbs are to be 8” minimum
- Rule of thumb - Anything that spills out of building: 3.5” above finished roof surface
- Anything that can spill into building = 8” above finished roof surface
- Membrane to continue up over and down outside face of parapet minimum 2”
FINISHED ROOF SURFACE

- Roofing membranes to terminate a minimum of 8” above the finished roof surface.
- Finished roof surface is determined as 8” above the finished surface/overburden.
- Eg. Pavers on pedestals plus 8” from top of pavers, is the finished height the membrane needs to be.
RAILINGS
RAILINGS

- Fastener to roof membrane relationship 3.5” minimum
- Post installation waterproofing of fastening system
- Consideration of how cap flashing will be installed after railing is installed
- Design Authority contact RCABC
RAILINGS
RAILINGS
INSULATION PARAMETERS & OVERLAY BOARDS
INSULATION PARAMETERS

- 2.7” or 68 mm is the maximum single thickness in one layer assemblies
- Any roof assembly greater than 2.7” must be done in multiple layers
- Ballasted systems are an exception
INSULATION THICKNESS EXAMPLE

Total insulation thickness is 2.7” = 1 x 2.7”

Total insulation thickness is 3” = 2 x 1.5”
2 LAYERS OF 1.5” POLYISO
OVERLAY BOARDS
heat sensitive vs. non heat sensitive insulation

- For EPS & XPS, both are heat sensitive insulations
- RCABC requires 2 layers of minimum 3/16” asphaltic overlay board, offset & staggered, with one layer having taped seams or a minimum #30 non perforated felt beneath one of the two layers; OR
- a single ½” thick cover board with joint protection is also acceptable.
2 LAYERS OF DENS DECK (FLAME TAPE STILL TO BE INSTALLED)
2 LAYERS OF 3/16\textsuperscript{TH} ASPHALTIC BOARD WITH #30 FELT FOR FLAME PROTECTION
RCABC TECHNICAL RESOURCES

✓ Contact the Technical Team: Rob, Hamish for challenging details and/or circumstances
✓ Send us your roofing details/drawings
✓ Let us help you fully utilize the RPM: on-line Roofing Practices Manual
✓ Call us about The RoofStar Guarantee Standards
Roofing. It’s what we do!