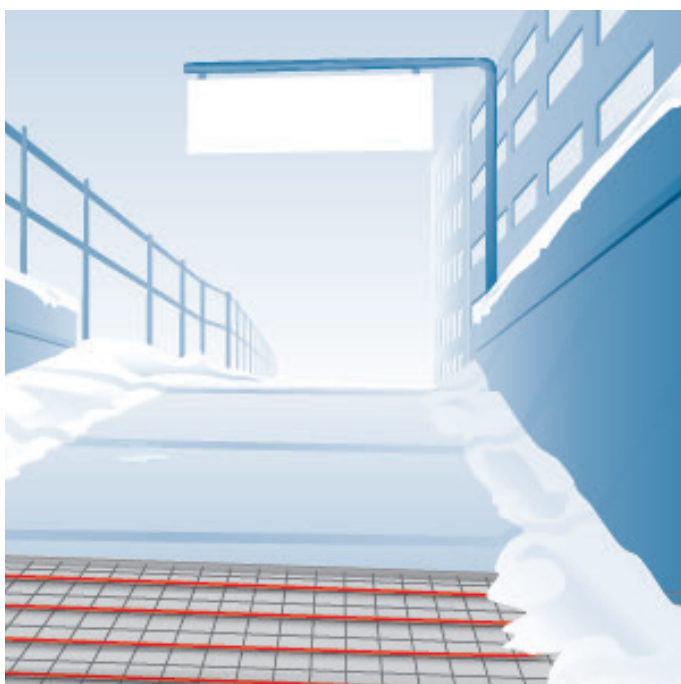


## SPECIFICATION GUIDELINE SNOW AND ICE MELTING SYSTEM FOR RAMPS & ACCESS WAYS



### **ENERGY EFFICIENT CONTROL & MONITORING**

- All ramp and access way heating systems shall be controlled by an energy efficient control and monitoring system, nVent RAYCHEM VIA-DU-20, as manufactured by nVent.

The control and monitoring system must have 3 sensor control logic:

- Ground temperature
- Ground moisture
- Ambient/air temperature

In addition to a 3-way sensing control and monitoring capability, the controller must have the following functions:

- Freezing rain precaution function to switch heating circuits on when there is a risk of freezing rain or sleet
- Programmable controller and digital display
- Monitoring of sensor defects
- Alarm relay for remote monitoring at the BMS

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