Drainage is very important for the proper functioning of a snow/ice melting system. To avoid ice buildup **drains should be placed in warm** zones. Ice formations may occur if drains are placed in border or cold zones.

Pipe Installation must be accounted for in any structural calculations. As PEX pipe has negligible structural strength the load bearing capacity of a heated slab must be calculated to ensure proper reinforcement as required by local building standards.

Frost Protection is a **must!** eg. Dowfrost, Ucartherm or equivalent must be used.

The table below shows the water/glycol mixing ratio

Minimum Outside Temperature		Anti-freeze in %
°F	°C	
5	-15	26
-4	-20	32
-13	-25	37
-22	-30	42

Controls - We recommend the use of automatic snow and ice sensors. A full range of controls is available from manual, semi automatic, fully automatic, to fully automatic complete with snow and ice detection devices.

For systems which require continuous operation a maximum pipe spacing of 6 to 9 inches is recommended, as this gives a more even surface temperature and reduces the required power input.

If additional surface material is used (asphalt, gravel, paving stones) the supply water temperature must be increased to compensate for the additional heat losses.