Principles for Underground Parkade Design
January 2014

The District of North Vancouver is exploring principles to enhance the experience in underground parking facilities.

1. Locations of parkade entries should be well signed.

2. Introduce natural lighting, openness, and visual permeability, as much as possible.

3. Use of art, colour, music, or other elements can enhance the experience in the parkade.

4. Lighting must be uniformly distributed to avoid dark areas with sufficient overlap of light distribution.

5. Consider using advanced technologies to provide information on availability of parking spaces.

6. Exit routes should be well-marked.

7. Design of parking facility driveways should promote internal circulation and safety on the surrounding street network.

8. Where possible, orient parking aisles parallel to pedestrian desire lines, so that pedestrians of all ages and abilities are comfortable moving between their vehicle and the destination.

9. Sight lines should provide a clear view of surroundings.

10. Availability of help should be clearly marked with signage.

11. Active security measures like alarm buttons, video cameras and security patrols in parking facilities enhance security monitoring.

12. Share parking between complimentary land uses. Design features like how security gates are located can make a difference to the success of shared parking programs.

(Adapted from Safety Design Guidelines for Parking Facilities, ICBC, 1998)