



CI-0203

### TAB 2: SITE INFRASTRUCTURE AND DEVELOPMENT Parking Infrastructure

#### **FINISHES (GENERAL)**

- > All traffic surfaces will be capable of taking paint for pavement markings. Pavement markings are to give direction, define parking stalls, barrier-free parking spaces, and pedestrian paths. For corresponding signage requirements, see GO Signage Manual.
- > All exposed structural steel structures will be hot dip galvanized.
- > All exposed Mechanical and Electrical systems to be painted and primed.
- > Refer to the DRM for Standard Finishes in Stairwells, Elevator Lobbies, Elevators, Mechanical, Electrical, Communication and Storage/Service Rooms.

#### **FLOOR FINISHES FOR RAMPS IN PARKING GARAGES**

- > Ramps should be provided with additional texture and snow melting systems if exposed to the exterior or otherwise required.
- > Choose a material and surfacing technique with a higher coefficient of friction that will preserve contact between the vehicle and the inclined surface and will help prevent vehicle slippage.
- > Include a gritty material into the surface sealer with a suitable balance of micro and macro textured granules to increase the friction coefficient of vehicle tires on concrete surface.
- > It is critical to consider the effects of water, and other slick substances, on the grip relationship between a vehicle and a surface. Ramps exposed to exterior elements will require increased texture, provisions for snow melting systems, and a chevron pattern spaced maximum 30 mm apart and 5 mm deep to help with drainage.
- > Consideration should be given to applicable code requirements as a ramp incline angle is a direct function of determining an adequate friction coefficient.
- > Consideration should be given to surface applied finishes compared to embedded finishes.
- > Consideration should be for net new consideration and treatment of ramps.

#### **ELECTRICAL ROOM**

- > Electrical rooms are not to be below grade and to be designed with adequate drainage. The service entrance distribution panel board, transformers, transfer switches, contactors and controls and branch circuit panel boards shall be located in the electrical room.
- > Access controls i.e. fob access and keypad to the electrical room shall be provided.