



CI-0203

TAB 2: SITE INFRASTRUCTURE AND DEVELOPMENT

Parking Infrastructure -

- > The use of concrete, masonry, galvanized steel, stainless steel, anodized aluminium and other low maintenance materials is preferred. The mixing of different materials, including fastening systems, shall be avoided. One material shall be used for any given application and the fastening system shall be the same material.
- > Refer to Section CI-0601 for application of GO Logo and Station name guidelines, GO Signage and GO Branding Guidelines for further details.

EXTERIOR PAVEMENT & WALKWAYS

- > Walkways shall be constructed of hard and sustainable materials that are slip resistant and capable of clearing during winter months and shall include cantilevered canopies as directed by GO. They shall be smooth with few joint connections (similar to standard sidewalk pads and asphalt).
- > Pavement patterns are to follow and assist in defining entrances, ramps, stairs, and pedestrian paths.
- > Exterior pavement and walkways should be suitable for wheelchair and mobility device usage, physical delineation of walkways is preferred.

STRUCTURAL DESIGN

- > The parking structure must be designed to withstand the loading to which is it subjected in the completed state as well as when it is partially complete during construction, and also during maintenance.
- > The design shall be based on the most cost effective structural system when considered in the context of both the capital cost of construction and the projected life-cycle cost of the parking garage with a design service life in accordance with the latest CSA standards.
- > Ideal structural bays that allow for maximum number of parking spaces and flow of automobiles dependent upon site and structure should be designed.
- > The ground level parking slab shall be concrete slab on grade. The designer will consider the geotechnical information in the selection and design of the foundation system and structure type and consideration and recommendations will also be required for any special conditions that may exist at the site, such as slopes or adjacent land features.
- > Various miscellaneous features of the parking structure must be included in the structural design. Each feature must be designed to accommodate the proper functioning and maintenance of the item in question, including installation and removal as appropriate.