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TAB 2: SITE INFRASTRUCTURE AND DEVELOPMENT
Parking Infrastructure

and the like, elevator support requirements, mechanical and electrical support requirements; fall arrest system; decorative metal screens; signage; and window washing system.

- > Window washing systems and Fall Protection systems shall be designed in accordance with the Occupational Health & Safety Act and regulations, as a minimum requirement, and should consider incorporating reasonably optimal and practical safety measures beyond these requirements.
- > The window washing system shall ensure building surfaces and finishes will not be marred or otherwise damaged during normal operation of equipment.

WALLS

- > All interior and exterior walls materials selected shall depend on location and site specific elevational constraints.
- > Interior walls are to have a smooth finish to limit potential abrasion and allow easy maintenance.
- > All areas exposed to high traffic public use should be coated with non sacrificial, clear anti-graffiti coating (stairwells etc.)
- > Consideration should be given to the use of colour on walls, doors and in key locations for coding or location identification. See GO Signage Manual for detailed requirements.

ROOF

- > The design of the parking garage shall accommodate a maintenance free roof.
- > Sustainable roof construction options could be proposed such as white reflective roof; roof systems with PV roof applications with related inverter room provision in the structure as directed by GO.
- > Peripheral roof protection shall be provided by parapets as mandated by industry standards and code requirements.
- > Extend Stairwell to mitigate fall arrest and provided better serviceability to the roof. Roof access door to be locked with keyed access. Key set to be keyed to rail line master and slave system
- > A secondary metal cage door to be installed at base of final stair run leading to the roof. Door to be lockable.
- > Provide a caged metal enclosure underneath extended stair runs to prevent access and vandalism.



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- > Metal caged enclosures/doors to be constructed of non-corrosive material that is anti-cut and anti-climb. Enclosure to be constructed of material that resists vandalism and damage.

DOORS & WINDOWS

- > Service rooms and storage areas shall be enclosed with doors and louvered vents or windows as required.
- > All service rooms including electrical, communication and mechanical rooms shall be provided with access controls i.e. fob access and keypad
- > Application of security films should be considered for vandal and abuse resistance in glazed stairwells, and elevator lobbies.
- > Exterior window frames, doors and door frames are to be constructed of heavy duty anodized or pre-finished aluminium frames.
- > Interior doors, frames and screens are to be constructed of heavy duty hollow metal sections with appropriate fire rating.
- > Proper security and exiting hardware as appropriate for specific environmental conditions is to be provided at all doors.

RAILING & GUARDRAILS

- > Provide stainless steel handrails and façade metal elements at all stairs, stairwells, and ramps in compliance with the Ontario Building Code. All handrails/railings should be designed to meet the accessibility requirements as mandated by industry accessibility standards and code requirements.
- > Guard rails should be a minimum of 1100mm above the finished floor at all locations where required. This is to include locations along spandrel panels or exterior structures at the perimeter of the parking garage.
- > Around the interior perimeter of the parking areas or stalls, sacrificial bumper panels in wood or recycled plastics should be installed at adequate height and colour.
- > Pedestrian control guardrails should be provided at all pedestrian entrances and exits; these should be located around pedestrian doors, stairs, and at access points to rail or bus platforms.