



CI-0107

TAB 1: GUIDING PRINCIPLES

System Safety

SECURITY DESIGN GUIDELINES

Design Area	Guidelines
Vertical Spaces	<p>Glare from glass shall not obstruct service attendant/passenger vision or visibility at any time.</p> <ul style="list-style-type: none"> > Stairs and elevators: shall be in close proximity to each other, for acoustical and visual continuity. > Guards and balustrades: shall be glazed where sight lines are required and in order to maximize illumination to lower levels, Photoluminescent strips to be installed above stair guards as required. Refer Tab 4 and Tab 7 for details > Perimeter walls: of stairs and elevator vestibules shall be fully glazed where possible; > Stairwell openings: shall be extended across tunnels where possible, for day-lighting, and to reduce the apparent tunnel lengths; concrete sealed walls to have a smooth architectural finish. Should graffiti appear and cannot be cleaned, finish to be re-applied to the entire area (no patchwork). Photoluminescent strips to be installed above the nosing and at top, bottom and intermediate landings for entire stair run length. Refer Tab 4 and Tab 7 for details. > Stair centre handrails: shall terminate at landings to permit crossover.
Tunnels and Overpasses	<ul style="list-style-type: none"> > Open overpasses: shall not have solid guards. Enclosed overpasses and stairs shall have windows/skylights, including at the ends, or shall have mesh type enclosures; > Tunnel corners: shall be 45° angled and internal 90° corners shall have, at a minimum, convex mirror units and concrete walls to have a smooth architectural finish. Should graffiti appear and cannot be cleaned, finish to be re-applied to the entire area (no patchwork). > Heights of tunnels and overpasses: shall be compatible with CCTV requirements. > Photoluminescent strips to be installed along the entire length of tunnels. Refer Tab 4 and Tab 7 for details
Shelters	<ul style="list-style-type: none"> > Shelters: shall have clear-glazed walls; > Large shelters: for large shelters, doors shall be at opposite ends (one door at each end) and swing out; > Roofs: shelters shall have translucent roofs and internal and external luminaires that do not reflect/glare in glazed walls. Translucent roofs also borrow illumination from platform light standards and provide sun shade; and > Platform shelters: platform shelters remote from public announcement speakers shall have internal speakers.