CI-0501	**TAB 5: RAIL AND BUS OPERATIONAL FACILITIES** Bus Operational Facilities

SAFETY AND SECURING

Feature	Design Requirements
	> Design facilities to follow basic Safety Engineering principles: > Eliminate hazards by engineering design > Follow FTA / APTA recommendations, guidelines for Bus Facilities > Exceed relevant safety legislations (i.e., OHSA, TSSA, CSA, OESC, CEC etc.) as required to minimize risk(s) > Consider potential future expansion, modifications, retrofits > The design of the facility shall be safe and easily serviceable, maintainable and user friendly.
Design Concerns	Some of the typical, but not limited concerns include: > Fall Hazards (adequate roof perimeter protection - parapet, guardrails if necessary, adequately load rated skylights, location and position of serviceable equipment above ground level / at height, roof access, adequate clearance from the roof edge (min. 3.0 m), etc. > Aligning of lighting fixtures, gas lines, power lines (and other serviceable components) with flat landing section and avoid interference with structural components for easy access. > Avoid Confined Spaces (adequate ventilation, atmospheric condition, access, egress, rescue, etc.). > Avoid pinch points / spots / corners (adequate walkways, clearances, visibility, access, egress, reach, etc.). > Any sources of energy to be lockable - (CSA Z 460) > All qualified equipment / machine to be properly safeguarded - (CSA Z 432) > Refer to TAB 7: Electrical, for information on Arc Flash Hazards and labeling" after reference to Arc Flash.