

# Sustainable Parking Facility with Green Building Standards

**Soloso, Marlon C.**

College of Engineering & Information Technology, Surigao del Norte State University, Surigao City, Philippines  
marlonsoloso@yahoo.com

**Abstract:** *This research focuses on designing a three-storey parking facility that adheres to the standards outlined in the Green Building Code. The aim of this project is to address the escalating issue of inadequate parking space within the City Hall Compound. Positioned behind the City Health Building, the parking facility is strategically located within the confines of the City Hall Compound. Numerous considerations come into play when devising the research design. These factors encompass the assessment of the construction site's condition, as well as elements such as the project's scope of work and cost analysis. These components collectively formulate a budgetary framework and construction timeline. In the process of developing this project, data pertaining to the land area and the volume of vehicles were amassed. These statistics played a pivotal role in the strategic planning and architectural design of the parking facility. The project's viability and accomplishment were subsequently evaluated. Upon analyzing the outcomes, the researchers determined that the parking facility effectively aligns with the principles of the Green Building Code, highlighting its commitment to sustainable materials and indoor environmental quality. Furthermore, owing to its capacity, the three-storey parking facility aptly addresses the parking space scarcity issue at the City Hall Compound.*

**Keywords:** green building, parking, facility, sustainable

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