



TOYOTA

TOYOTA ANGELES PAMPANGA, INC.

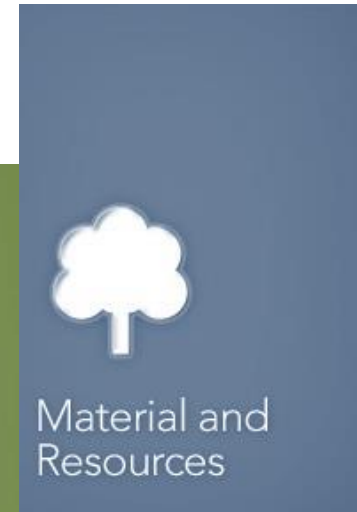
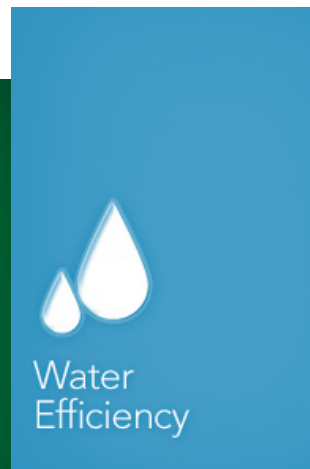


LEED GOLD CERTIFIED

Toyota Angeles Pampanga, built last 2016 is now **LEED GOLD Certified**, awarded with 61 points, which means healthier and more productive workplace, reduced stress on the environment by encouraging energy and resource-efficient building, savings from increased building value, and decreased utility costs.



TAP has been made to comply with Gold Certification criteria, and earned points based on all categories, from Sustainable Site Features, Water Efficiency, Energy and Atmosphere, Materials and Resources and Indoor Environmental Quality



LEED 2009 FOR NEW CONSTRUCTION

LEED or *Leadership in Energy and Environmental Design* Certification is the most widely used green building rating system in the world and is globally recognized as a symbol of sustainability achievement such as Energy Savings, Water Efficiency, CO2 Emissions Reduction, Improved Indoor Quality, and stewardship of resources and sensitivity to their impacts.

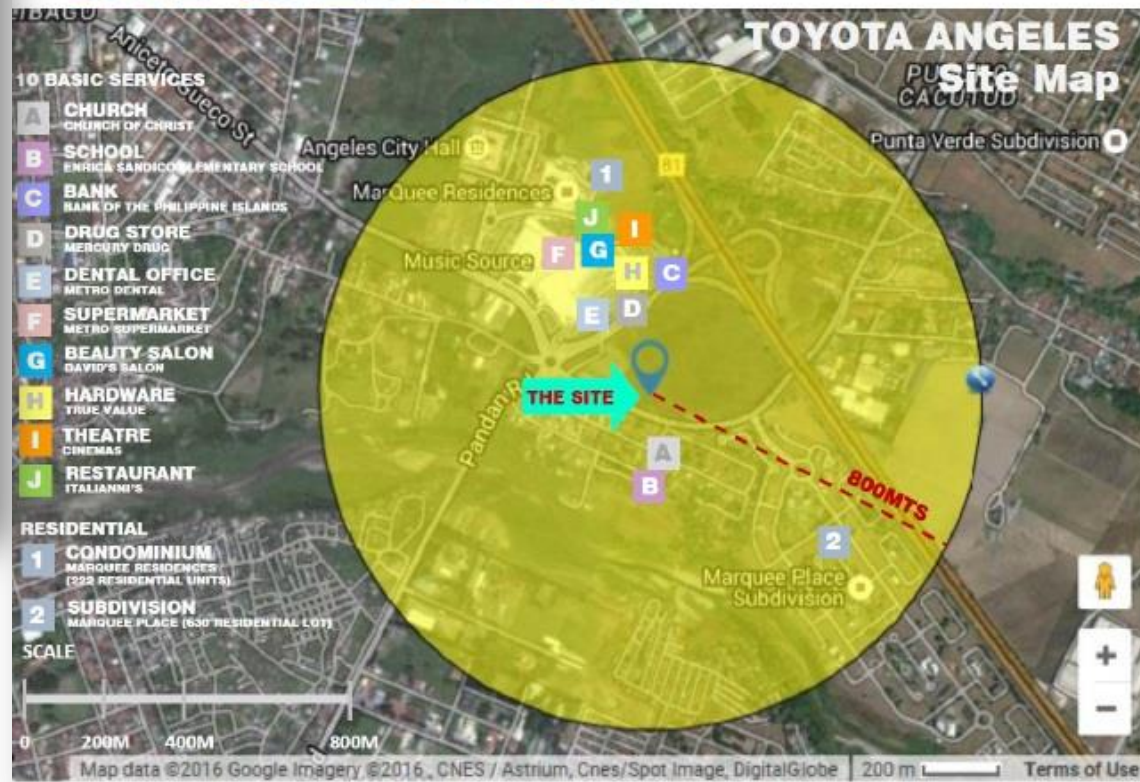
Developed by the U.S. Green Building Council (USGBC), LEED provides building owners and operators a concise framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.



SITE SELECTION



Sustainable
Sites



10

Basic services are available within the 1/2 mile (800 meter) radius from the project site.

6

Points derived from the base building design, including use of efficient plumbing fixtures, and having high SRI roof.



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SITE SELECTION



Sustainable
Sites



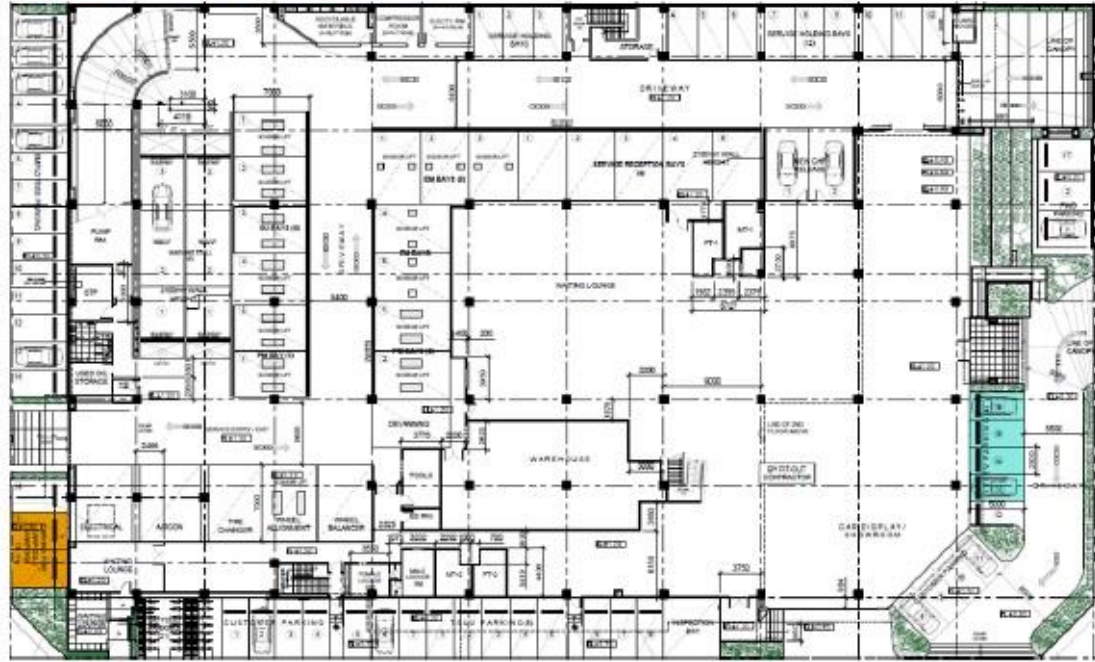
21

Bike racks are provided less than 15 meters from the building entrance to serve 9.55% of the LEED project FTE and transient occupants. 2 Accessible shower and changing rooms equivalent to 1.33% of FTEs are provided, exceeding the 0.5% requirement.



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4

Low-emitting and fuel-efficient vehicles (LEFEV) preferred parking slots are provided for the project. This translates to 11.11% of the total 36 slot parking capacity on site. Additionally, two slots are assigned for carpool / vanpool.

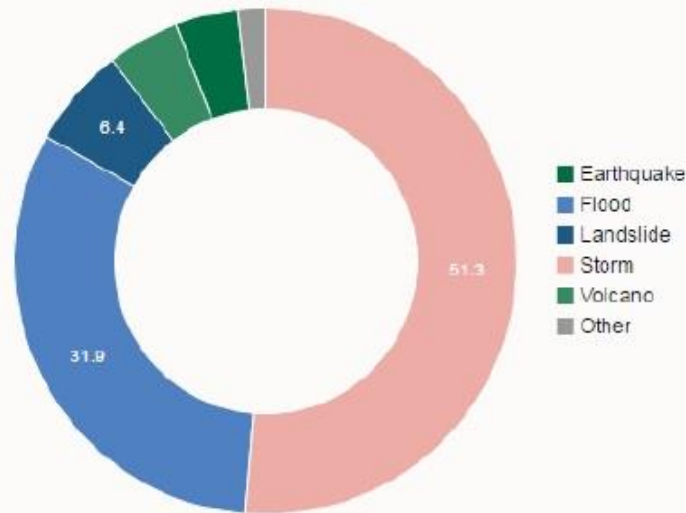


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STORMWATER

Disaster Frequency - Philippines

83%
of
disasters
in the
country
are caused
by storm
and flood
combined



- International Disaster Database

promotes Biodiversity
limit disruption and pollution of water streams

37%
better
stormwater
retention
based on a
one-year
and two-
year 24-hour
design
storm

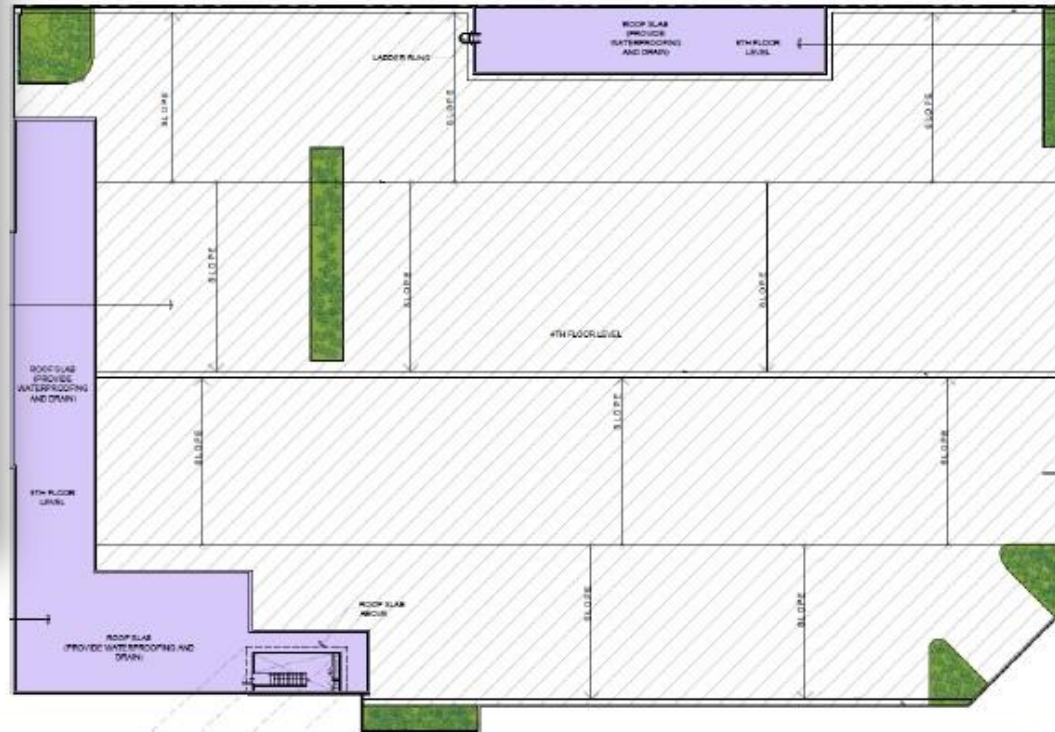
81.9%
removal of
total
suspended
solids from
stormwater



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HEAT ISLAND EFFECT



minimize impacts to human and wildlife habitats

29

SRI value for hardscape surfaces.

78+

Solar Reflectance Index of roof covering

Heat Island Effect increase summertime peak energy demand, air conditioning costs, air pollution and greenhouse gas emissions, heat-related illness and mortality, and water quality

- US EPA



Sustainable
Sites



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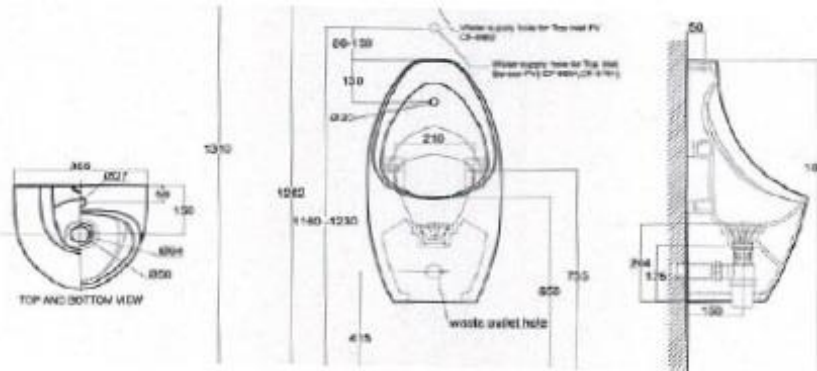
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WATER EFFICIENCY



Water
Efficiency

Efficiency
Meter



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60.72%

Reduction of total water used for landscape irrigation with the use of native and adapted vegetation.

100%

Reduction of potable water used for sewage conveyance.

36.42%

Reduction of potable water use overall through efficient plumbing fixtures.



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ENERGY ATMOSPHERE



Energy and
Atmosphere

Atmosphere
Energy and

24.18%

Reduction in total energy cost savings (from interior lighting and space cooling), equivalent to PHP2,380,687.281 annually.

35.00%

Of electricity based on Whole Building Energy Simulation was procured for a two-year purchase agreement of renewable power.



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MATERIALS & RESOURCES



Material and
Resources

Resources
Material and



34.41%

Of the total building materials content, by value, has been manufactured using recycled materials.

42.27%

Of the total building materials content by value, has been manufactured and extracted within 500 miles of the

98.21%

Of the 160.58 tons of on-site generated construction wastes were diverted from landfills.



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INDOOR ENVIRONMENTAL QUALITY



Indoor
Environmental
Quality

Σταθμική
Ευαλωσιμότητα



NO SMOKING

Smoking is prohibited within 25 feet of entries, outdoor air intakes, and operable windows.

Low VOC

Computed VOC content of all products applied inside the weather proofing barrier comply with limits referenced in SCAQMD Rules 1168 and 1113.



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THANK YOU!

