

معماری پایدار و روش‌های صرفه‌جویی انرژی در ساختمان

مدرس: دکتر سعید مقیمی

شهریور ماه ۱۳۹۹

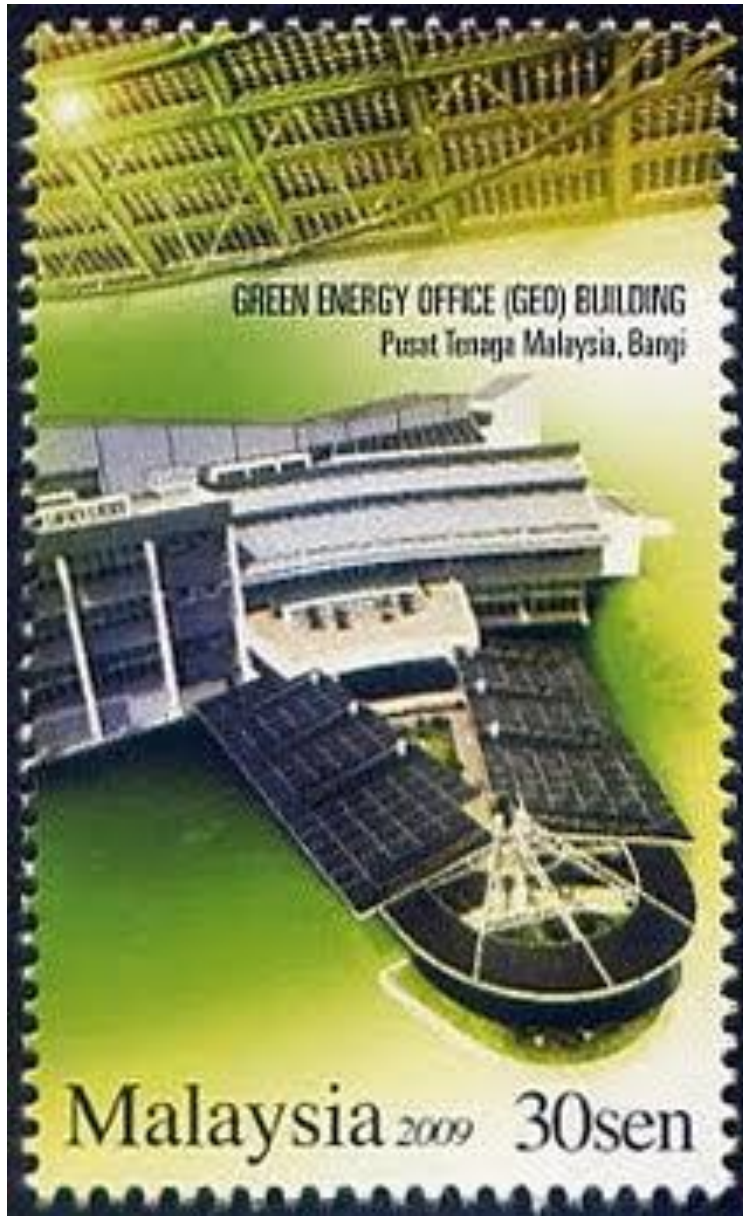
۱
روش های محاسبه
مصرف انرژی

۲
روش های مبتنی
بر روش های
پایدار

۳
مباحث نور و صدا

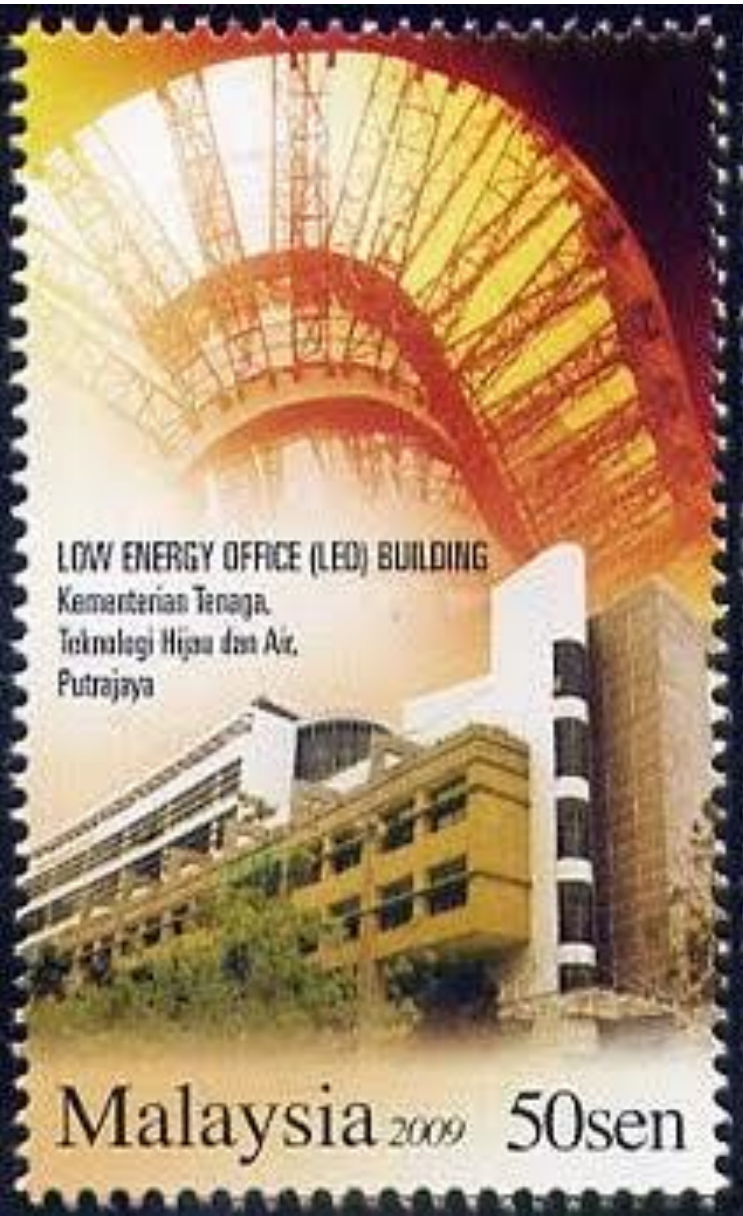
۴
معماری هوشمند

بررسی
نمونه
موردی



GREEN ENERGY OFFICE (GEO) BUILDING
Pusat Tenaga Malaysia, Bangi

Malaysia 2009 30sen



LOW ENERGY OFFICE (LEO) BUILDING
Kementerian Tenaga,
Teknologi Hijau dan Air,
Putrajaya

Malaysia 2009 50sen



DIAMOND BUILDING
Suruhanjaya Tenaga, Putrajaya

Malaysia 2009 RM1

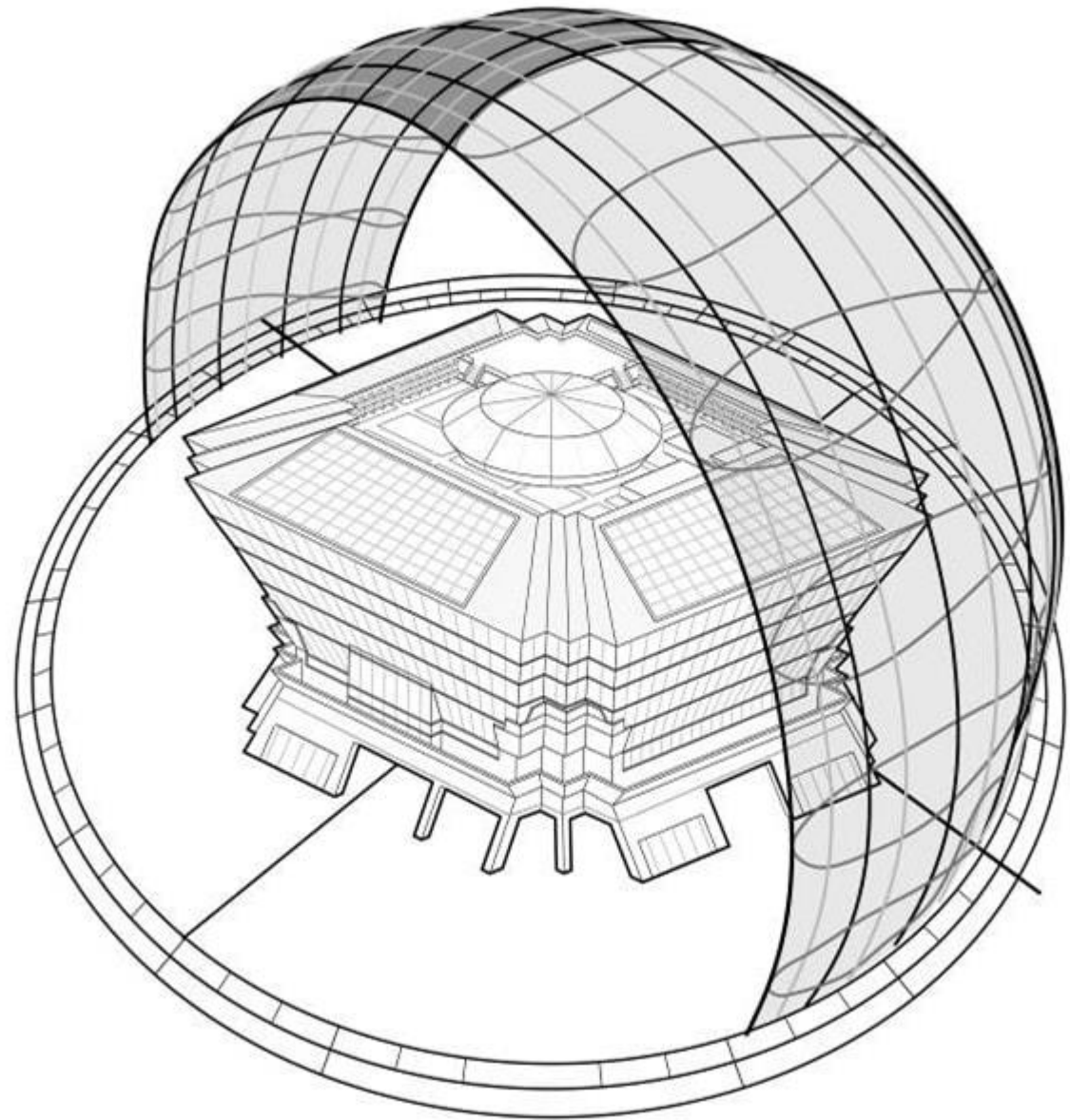
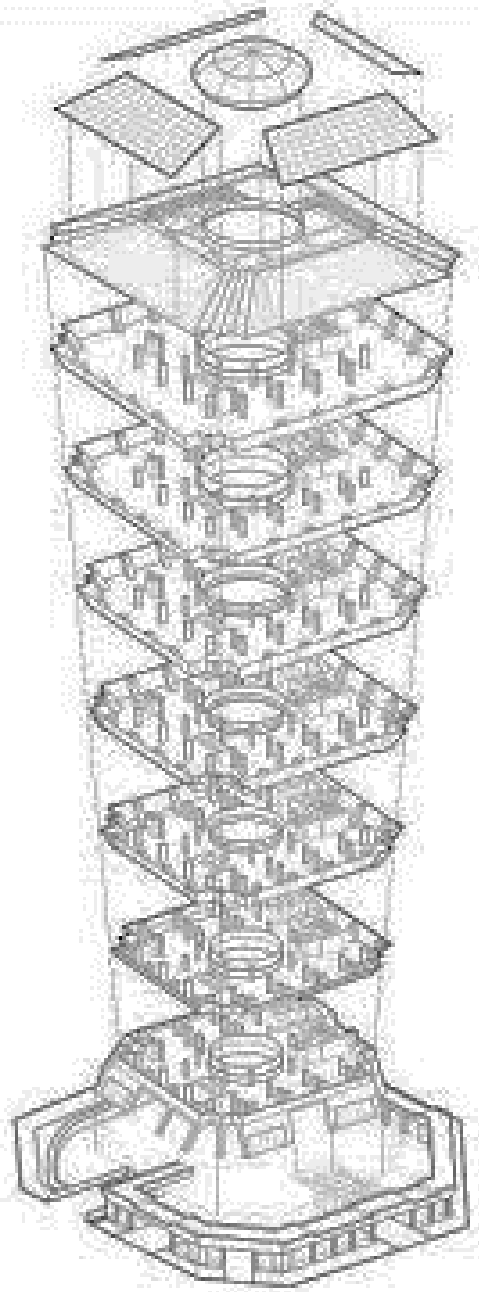
Diamond building

malaysia

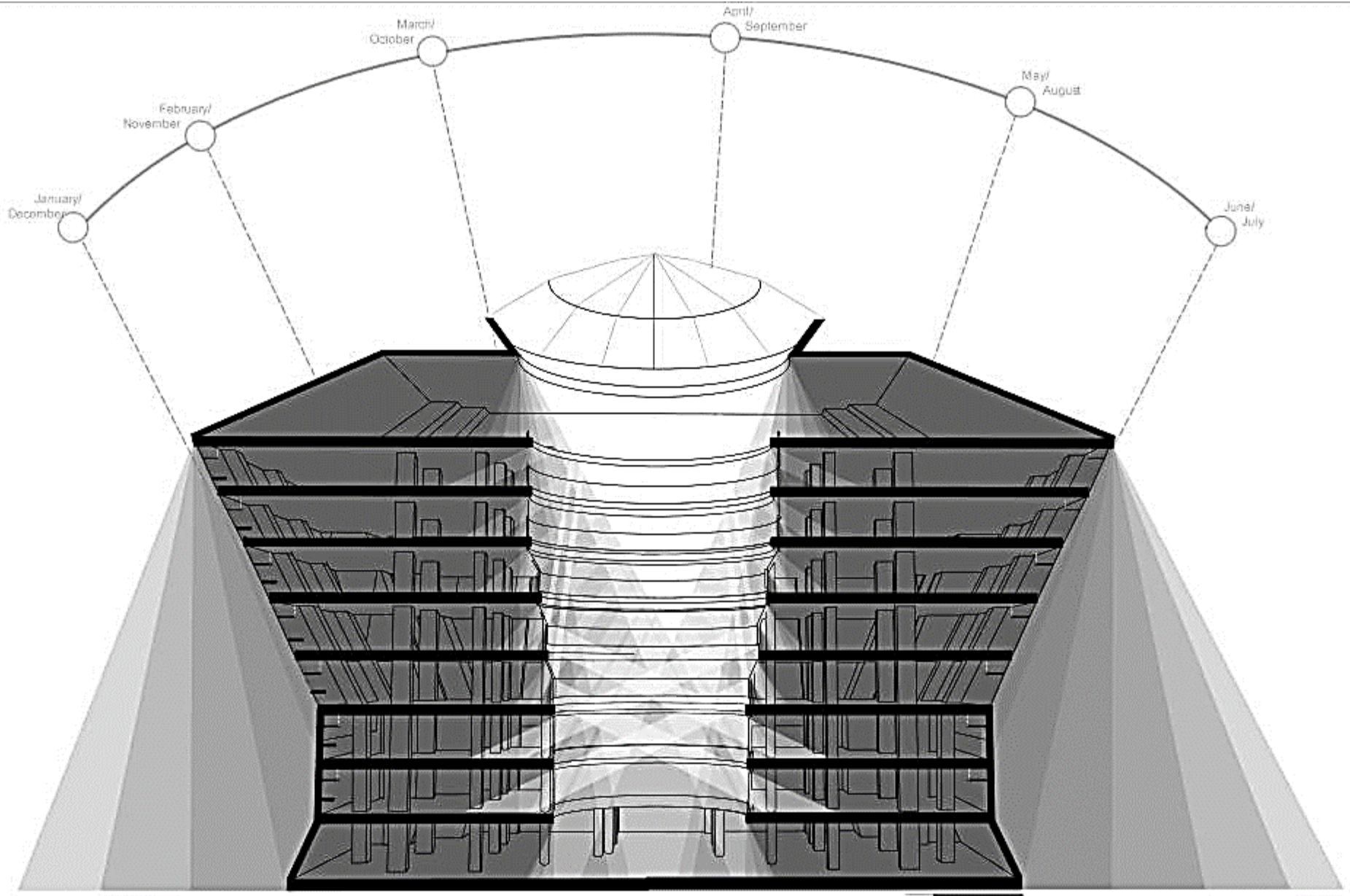






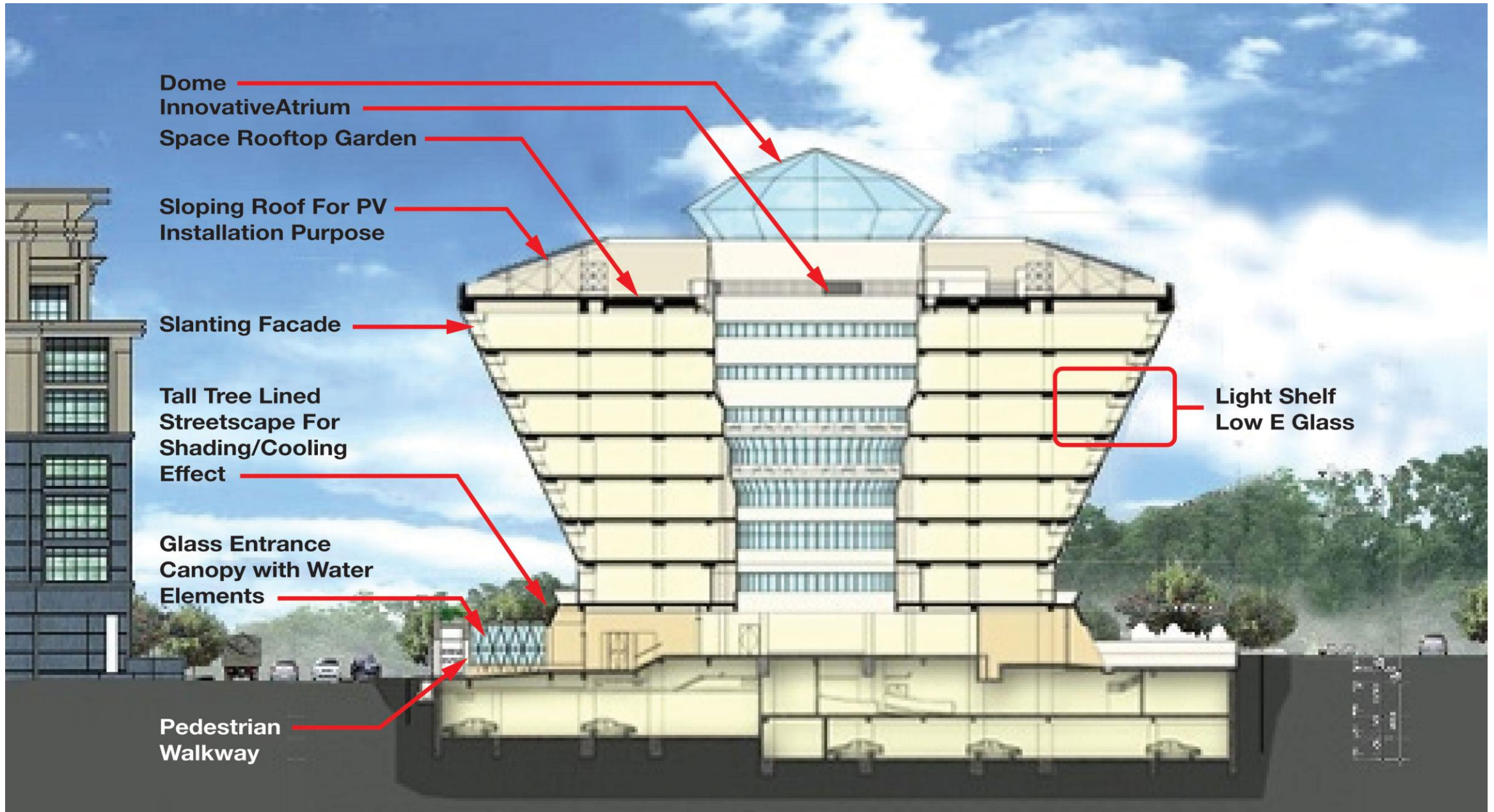


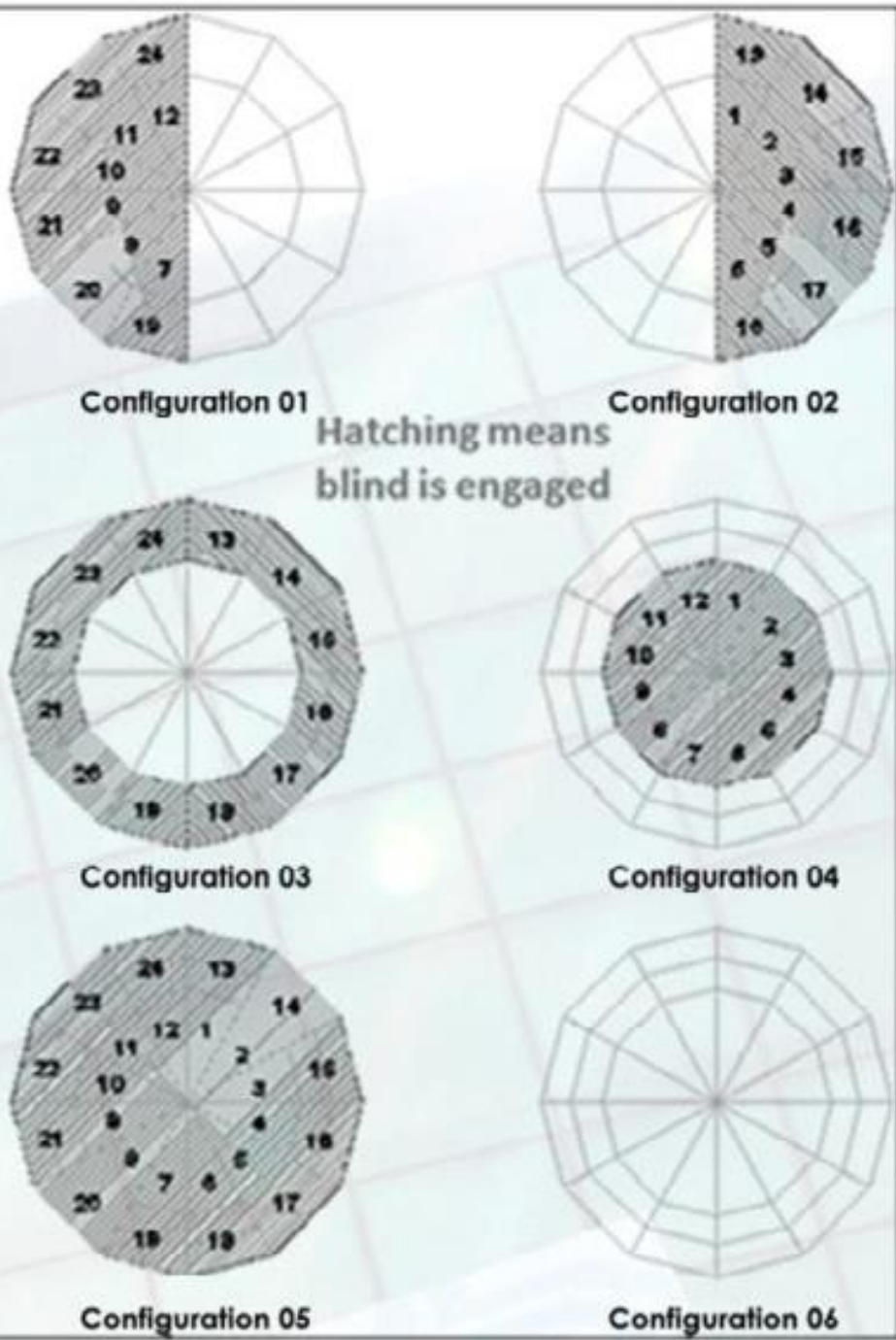
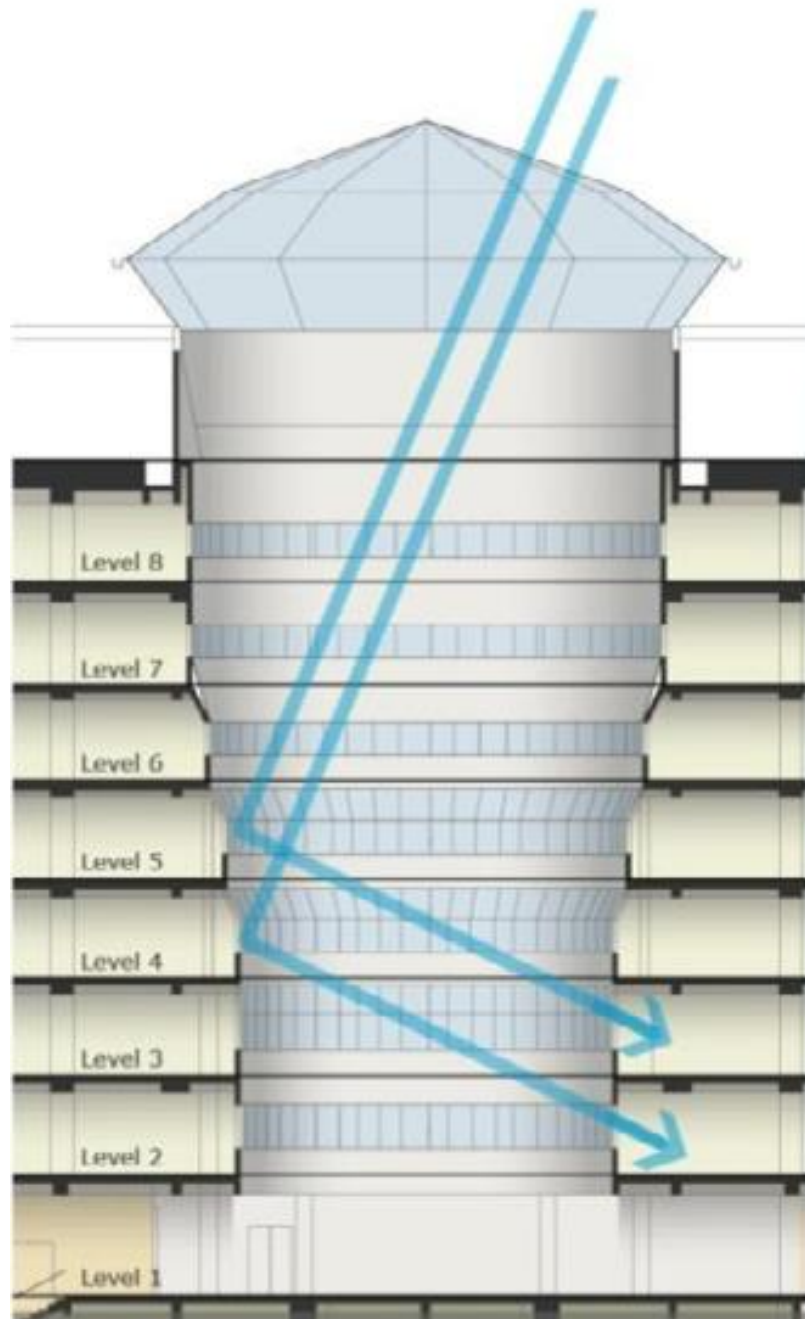
Dey light



PERSPECTIVE
SECTIONAL CUT
ANNUAL LIGHT-RAY TRACING







Green Enregy office building

malaysia



GREEN ENERGY OFFICE (GEO BUILDING) | NRNC | CERTIFIED (RVA)







**GREEN ENERGY OFFICE (GEO BUILDING) | NRNC |
CERTIFIED (RVA)**





Package A
(poly-silicon PV)



Package B
(amorphous silicon
PV)



Package C
(see-through PV)



Package D
(mono-silicon PV)



SYSTEM A: 47.28 kWp
(POLYCRYSTALLINE)



SYSTEM B: 6.08 kWp
(AMORPHOUS SILICON)



SYSTEM C: 11.6 kWp
(GLASS-GLASS,
MONOCRYSTALLINE)



SYSTEM D: 27 kWp
(MONOCRYSTALLINE)



low Enregy office building

malaysia





Exterior view

