

Corridors/stairs	4.8 kpa
Roof	1.0 Kpa

Note: kpa = kilopascals

n. Design Life

The structure shall have a design life of at least 25 years.

o. Building Foundation

The foundation and sizing column shall be designed on the result of the geotechnical/soil investigation and soil bearing capacity test. Consistent with best practices, the Contractor shall undertake the prior appropriate studies/ investigations for use as basis/ bases for the foundation and structural design of each Sub-Project. Back filling of the base foundation shall be considered to ensure more stable structural foundation.

Consistent with law and with industry practice, the Contractor's designer and builders shall assume the full professional responsibility and civil liability for the foundation and structural design, supervision and construction of the Academic and Administrative Building Project.

p. Wall Vibration

Walls must not un duly vibrate due to impact caused by any part of an adult human body and must neither be dented nor punctured by deliberate punches or kicks by adult humans.

q. Sub-floor for the upper floor of the School Building

The sub-floor shall only be of suspended concrete slabs (which are either cast-on-site/cast *in situ* concrete or pre-concrete). Sub-floor materials that are highly flammable, that do not uphold the fire integrity among the floors, that may contain formaldehydes or other potentially harmful substances, that conducts/ transfers radiant heat and which do not possess positive acoustical properties are not considered the equivalent of a suspended concrete slab and must not be used for the Academic and Administrative Building Project.

Rib type or double tee suspended slab soffits are acceptable but subject to the CPDMO acceptance of the quality of their structural connections and finish.

IV. ELECTRICAL DESIGN STANDARDS

a. Service Entrance

- (1) Service entrance conduit shall be made of intermediate metallic conduit (IMC) or rigid steel conduit (RSC). Underground runs shall be encased in concrete envelope when crossing a roadway. Ends of conduits shall be provided with a sealing compound.