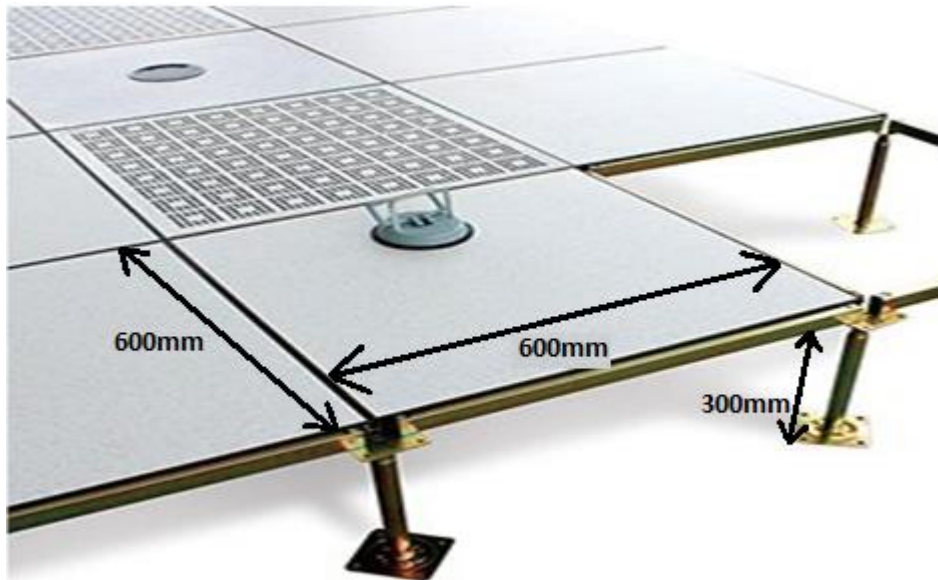


Raised Floor Specifications



Required Height of Raised Floor Systems for Computer Room

The Meteorology department of Eswatini requires a raised floor for their computer room to allow for air circulation for proper cooling of computer equipment including High performance computers.

Room size: 6 x 4 metres = 24 square metres

Ceiling height: 3m

The raised floor is should be constructed of 600x600mm anti-static floor tiles to the information room with a height of at least 300mm.

Provisions should be made for the door to open as it opens inwards.

An electronic locking/opening door will be required to replace the existing door. The door should be airtight i.e. cold air should not escape the room.

A Halocarbon-based Fire Extinguisher will be required to protect the computer equipment.



The cold air is transported to the front end of the rack by the front elevated raised floor vents, and the air-cooled by the air conditioning mechanism is transported through the vents to the high pressure forced cooling space formed by the elevated raised floor. The air duct is thus called a cold air duct, and the cold air is taken out from the equipment rack via the cold air of the IT equipment itself and discharged backward to form a hot air duct, and the hot air rises back to the air conditioner indoor unit through the hot air duct. Refrigerate and complete the cycle. The two opposite front ends of the rack are two whole floor tiles.