**Area of roof= Area of each unit x 4 + Area of lobby + Area of Staircase x2**

**=** 991.24 x 4+ 151.25x2+ 704.09

= 4971.55 sq ft = 461.8721 m^2

There shall be one down conductor for the first 80 m^2 and 1 for each 100 m^2 of the rest.

Total number of down conductors =

For number of terminals, h=3 m, R= 45 m and d=

Therefore, d= 16.15m i.e., 53 ft (Maximum distance between air terminals)