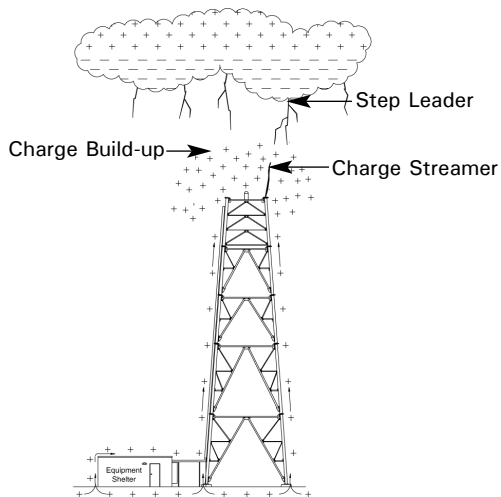
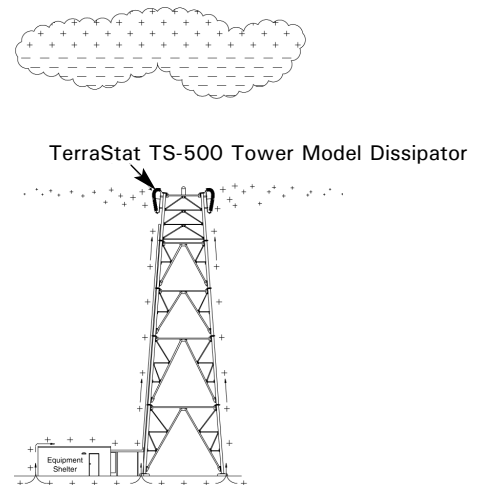


Point discharge theory states that a sharp, conductive point will dissipate (ionize) static electrical charge, transferring it to the atmosphere. The sharp-pointed lightning rod is a good example of this principle. TerraStat's multitude of sharp points dissipate a significant amount of induced ground charge, increasing as the charge builds. As a result, lightning is more likely to be attracted to structures with higher charge concentrations, and features capable of sending out streamers. In the improbable event a strike does persist in spite of charge reduction, TerraStat products act as connection points for the strike, carrying its damaging energy to ground.

Earth objects dissipate induced ground charge naturally. A properly designed dissipation system enhances this natural phenomenon, altering enough induced charge to forestall any part of the protected structure from generating streamers capable of attracting a lightning strike. (See Fig.2)



**FIGURE 1** Opposite charge build-up on structure under a thunderstorm.



**FIGURE 2** Ground charge dissipated into atmosphere with TerraStat Dissipators.