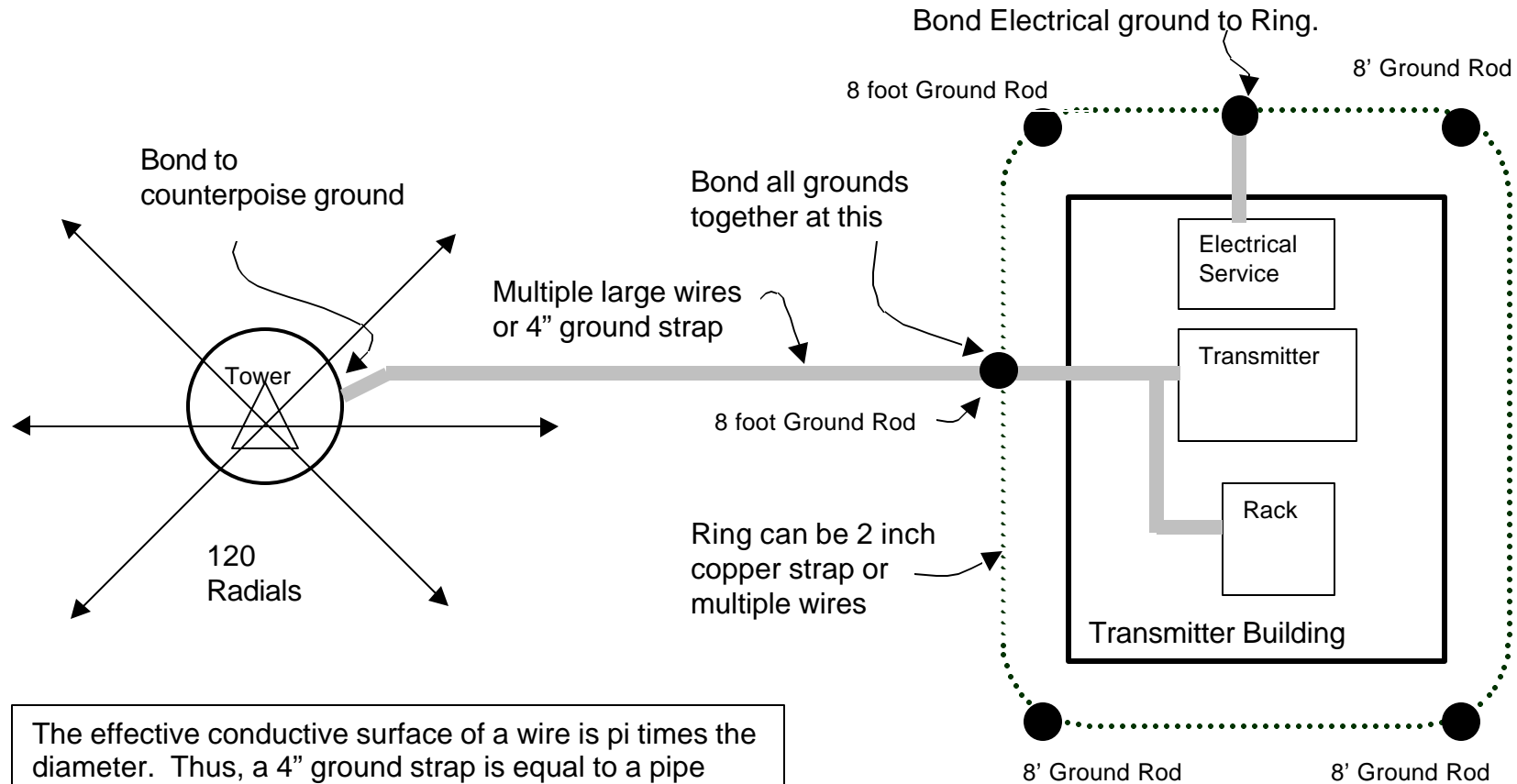




Suggested Grounding System for AM Radio Stations



The effective conductive surface of a wire is pi times the diameter. Thus, a 4" ground strap is equal to a pipe 1.25 inches in diameter. A #10 wire is 0.1 inch in diameter and is equivalent to a strap 0.15 inches wide (a strap conducts on both sides). Therefore, it would take about 25 parallel #10 wires to equal a 4 inch strap.

If the building is large, arrange the 5 grounding rods at 10 foot spacing along the wall towards the tower.