CALCULATION

S_p = Settlement of test plate

S_f = Settlement of footing

B_p = Size of test plate

B_f = Size of footing

The gauge reading has been reached 25 mm
Hence the settlement of footing S_f is given by

$$S_f = S_p \left[\frac{B_f(B_p + 0.3)}{B_p(B_f + 0.3)} \right]^2$$

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