

$$(1) E_{\text{pri}} = \phi_n W.U./(\text{d}_{\text{prim.}})^2 \quad (1)$$

$$(2) E_{\text{sca}} = \phi_n^a W F/400 (\text{d}_{\text{sca}})^2 (\text{d}_{\text{sec}})^2 \quad (2)$$

$$(3) E_f = \phi_t W/\text{d}_{\text{sec}}^2 \quad (3)$$