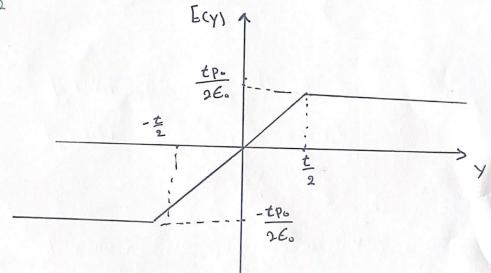
$$|y| > \frac{t}{2} - \frac{P^{\circ}}{-P^{\circ}} + \frac{A}{2}$$

$$\begin{cases} E \cdot dA = \frac{Qenc}{20} \\ E \cdot dA = \frac{2yA}{20} \end{cases}$$

$$= \frac{2yA}{20} + \frac{2yA}{20} = \frac{2yA}{20}$$

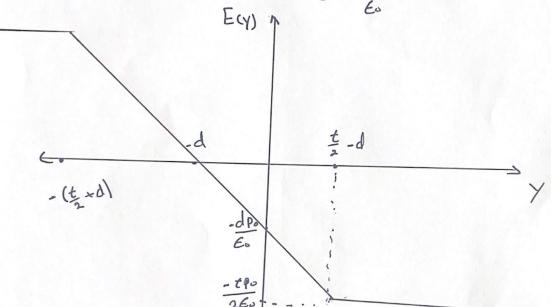
## 3.2.2

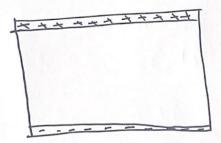


$$\frac{\text{Outside}}{\text{GE.dA}} = \frac{\text{Qenc}}{\text{Eo}} \qquad \left[ E - \frac{-t \, \text{Po}}{2E_{\circ}} \right]$$

$$2 \, \text{AE} = \frac{-A \, \text{TPo}}{E_{\circ}} \qquad \left[ E - \frac{-t \, \text{Po}}{2E_{\circ}} \right]$$

Inside
$$\begin{cases}
\frac{1}{2} \cdot \frac{1}$$





$$\vec{E}_{\text{total}} = \vec{E}_{+} + \vec{E}_{1} = \frac{yp_{0}}{\varepsilon_{0}} - \frac{(y+d)p_{0}}{\varepsilon_{0}} = \frac{yp_{0}}{\varepsilon_{0}} - \frac{yp_{0}}{\varepsilon_{0}} - \frac{Jp_{0}}{\varepsilon_{0}}$$

$$\vec{E}_{\text{total}} = -\frac{Jp_{0}}{\varepsilon_{0}}$$