

$I_1$  + Add  $\times V$  from  $M_{welds}$  = Total Shear

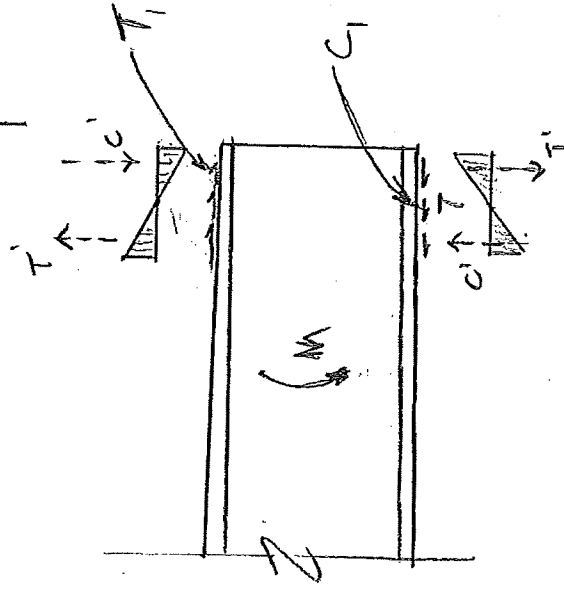
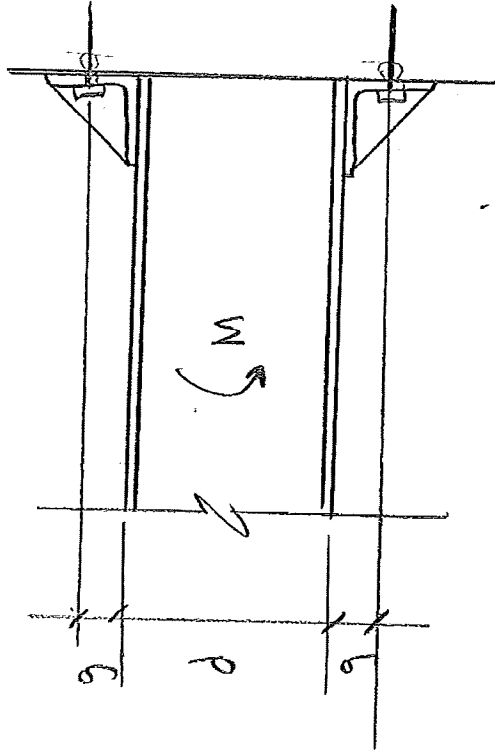
Add  $\times V$  from  $M_{welds} = \frac{[(T')\alpha]2}{d}$

$T_1 = \frac{M}{d+2g} \therefore \text{Total } V = \frac{M}{d+2g} + \frac{\partial T_1 \alpha}{\partial} \Rightarrow T' = T_1 \frac{g}{\alpha}$

$V = \frac{M}{d+2g} + \left(\frac{\partial T_1 \alpha}{\partial}\right)\left(\frac{g}{\alpha}\right) = \frac{M}{d+2g} + 2\left(\frac{M}{d+2g}\right)\frac{g}{\alpha}$

$V = \frac{M}{d+2g} + \frac{2Mg}{d(d+2g)} = \frac{Md + 2Mg}{d(d+2g)} = \frac{M(d+2g)}{d(d+2g)}$

$V = \frac{M}{d}$



$T_1 g = M' = T' \alpha$

