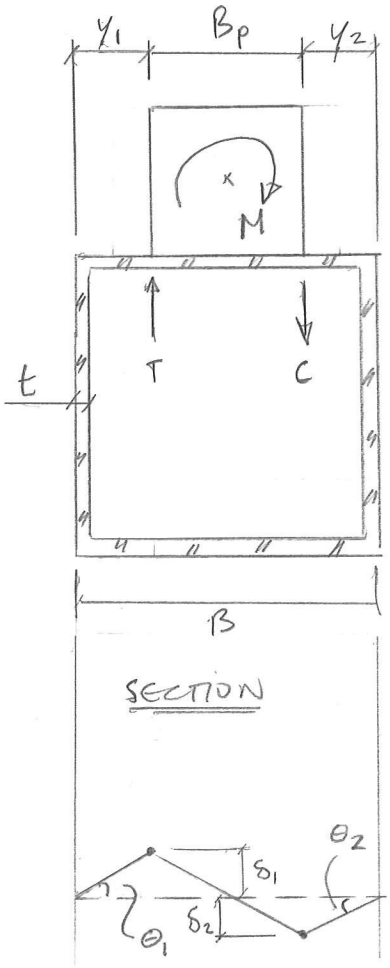
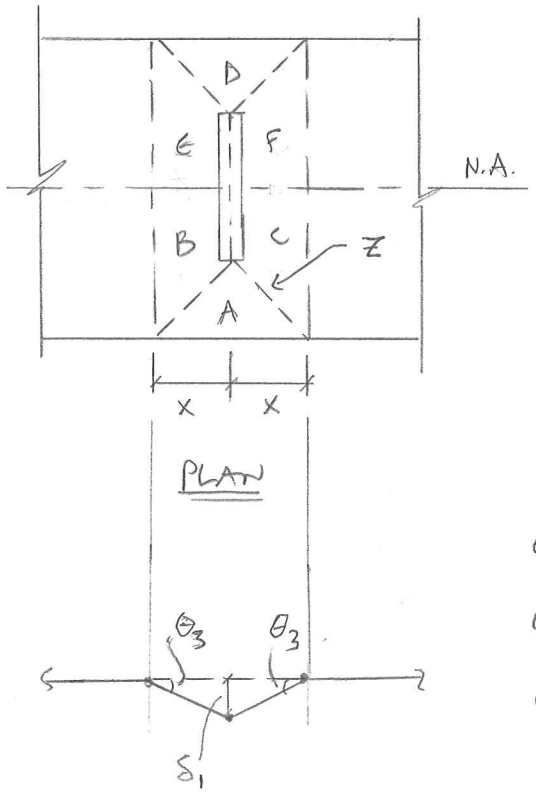
Project	**Job Number**
Date	**Page** of
Designer	





UNITY

$\theta_1 = \delta_1 / y_1 = 1/y_1$

$\theta_2 = \delta_2 / y_2 = 1/y_2$

$\theta_3 = \delta_3 / x = 1/x$

EW (EXTERNAL WORK) = IW (INTERNAL WORK)

AREA IN TENSION: $EW = \Sigma (W \Delta) = T$ (UNITY)

$IW = \Sigma (m \ell \theta)$

AREA A: $m(z+z)/x$

AREA B: $m(B_p/2 + z)/y_1$

AREA C: $m(B_p/2 + z)/y_1$

* SOLVE FOR m, AND THEN DIVIDE BY PLASTIC SECTION MODULUS OF UNIT STRIP TO GET BENDING STRESS

AREA IN COMPRESSION: SIMILAR APPROACH