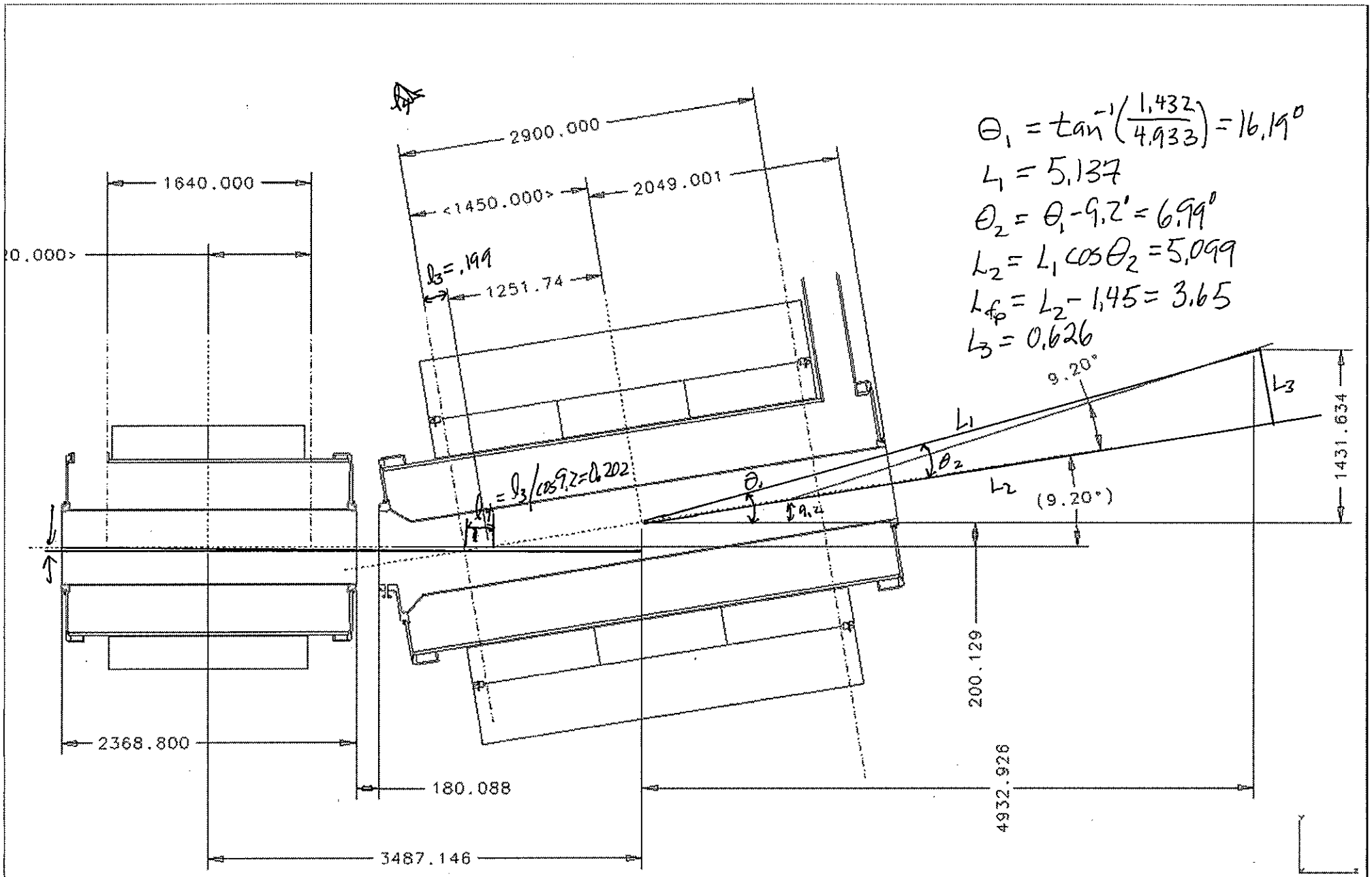


$\theta_1 = \tan^{-1}\left(\frac{1.432}{4.933}\right) = 16.19°$

$L_1 = 5.137$

$\theta_2 = \theta_1 - 9.2° = 6.99°$

$L_2 = L_1 \cos\theta_2 = 5.099$

$L_{fp} = L_2 - 1.45 = 3.65$

$L_3 = 0.626$

Distance below quad center $= l_3 \sin 9.2 = 0.0318\,m$