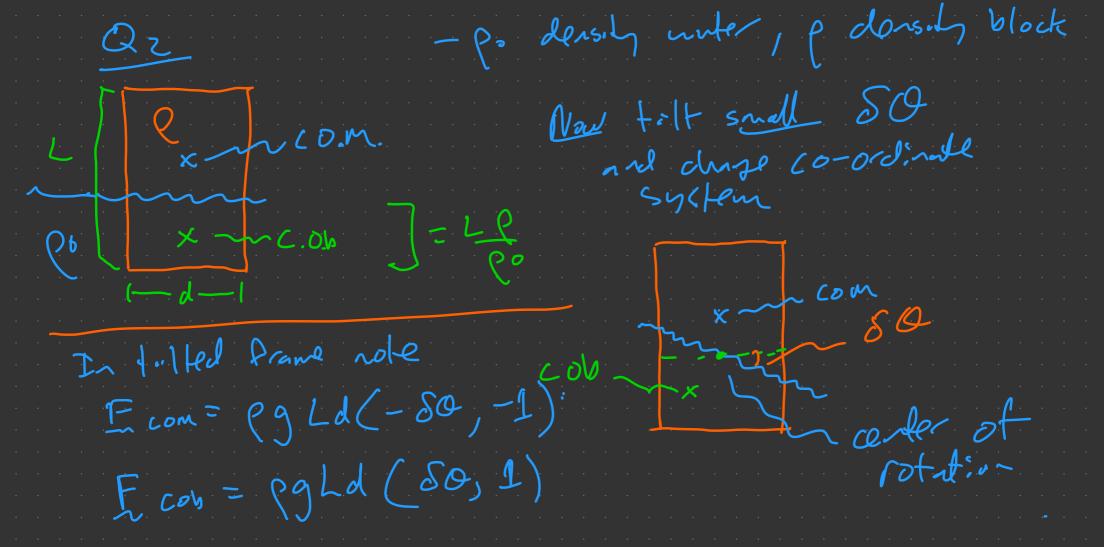
Assign 2, Q1 OP = PghA - pghB = pg 0.1m Dh = (Ocn = 930 N/m² b) flow from left to ryut c) PA does not care about the hand. - why? At any depth pressue is the same so PA=PBSE=PB Pc= PB+ Pg &z chich is sand y

ors if it were not

pent



The idea is to get the torque around the centre of rotation, so we need the distance of the center of mass and center of buoyancy from the center of rotation:

$$\int com^{2} \left(O, \frac{L}{2} - L_{e}^{2}\right) = \left(O, \frac{L}{2} - \frac{e}{e}\right)$$

So the torque C.O.M is just
$$f_{x} \neq f_{y}$$
 $C_{com} = xF_{y} - yF_{x} = eg^{2}d \left(\frac{1}{2} - f_{0}\right) \delta \Theta$

Now, he can of buoyand is hold because it mores. Note that

$$C_{com} = A_{0} \left(0, \frac{1}{2}f_{0}\right) + \left(-\frac{2}{3}d, \frac{1}{3}d, \frac{1}{3}d\right) A_{0}$$

And $C_{com} = A_{0} \left(0, \frac{1}{2}f_{0}\right) + \left(-\frac{2}{3}d, \frac{1}{3}d, \frac{1}{3}d\right) A_{0}$

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$$C_{com} = A_{0} \left(0, \frac{1}{3}d, \frac{1}{3}d, \frac{1}{3}d, \frac{1}{3}d, \frac{1}{3}d\right) A_{0}$$

$$C_{com} = A_{0} \left(0, \frac{1}{3}d, \frac{1$$

$$\int_{COS} = \left(\frac{1}{12} \frac{d^2 SO}{w}, -\frac{w}{2}\right) \frac{dcopping}{SO^2 + coms}$$

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