Engine Dimensions
6" dia. ~ 150mm
12" length ~ 300mm

300 mm

1000mm

500mm

stakes

Blast shield

Fluids,
Plumbing,
controls

Engine/load cell

rails

1000mm

500mm

engine/rails
real estate

Chains to
ground/conc. blocks

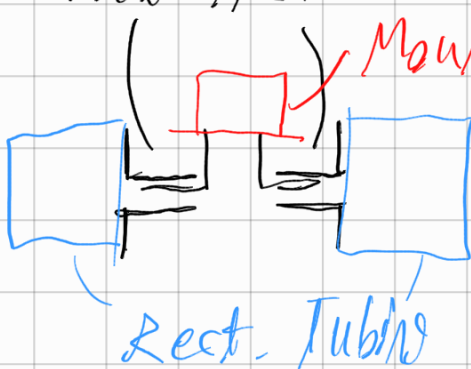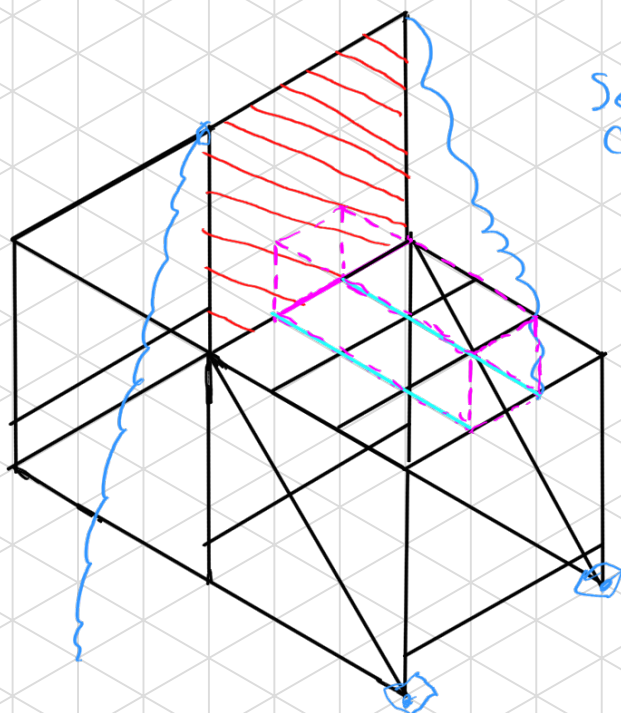leveling axis
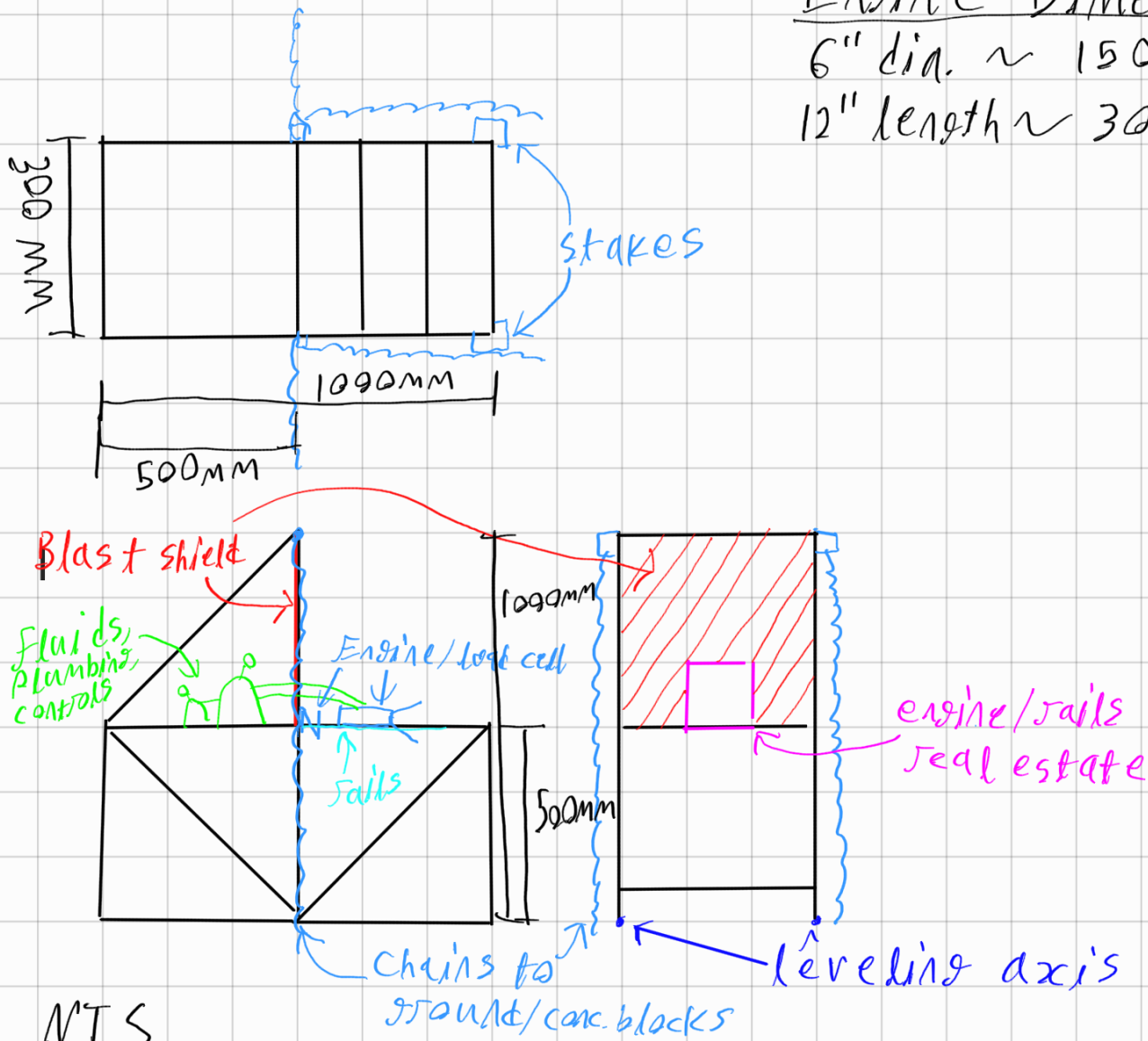
NTS

Rails

Angle iron

Mounting Platform/Load cell
interface

Rect. Tubing

Secondary
chains not
shown to
avoid confusion.

NTS

2D Analysis
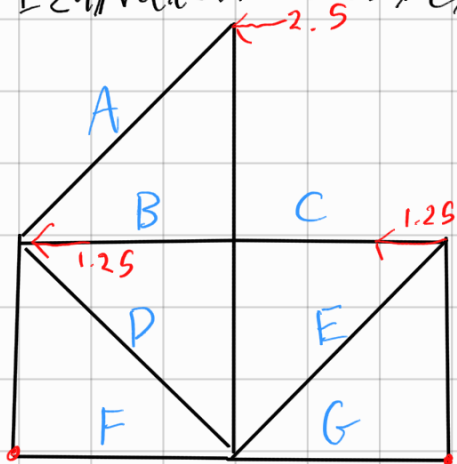
All angles = 45°   (distributed over entire member)

0.5M

5KN

0.25M

0.5M

0.5M   0.5M

Fixed Points
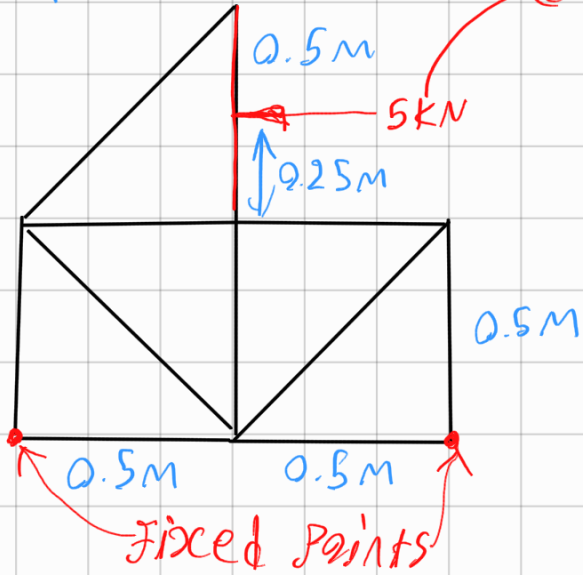
Equivalent system by symmetry (moments neglected):

2.5

A

B   C   1.25

1.25

$F_B = 1.25 \text{ KN (C)}$

$F_C = 1.25 \text{ KN (T)}$

D   E

F   G