

Granular Pavement Design Assumptions

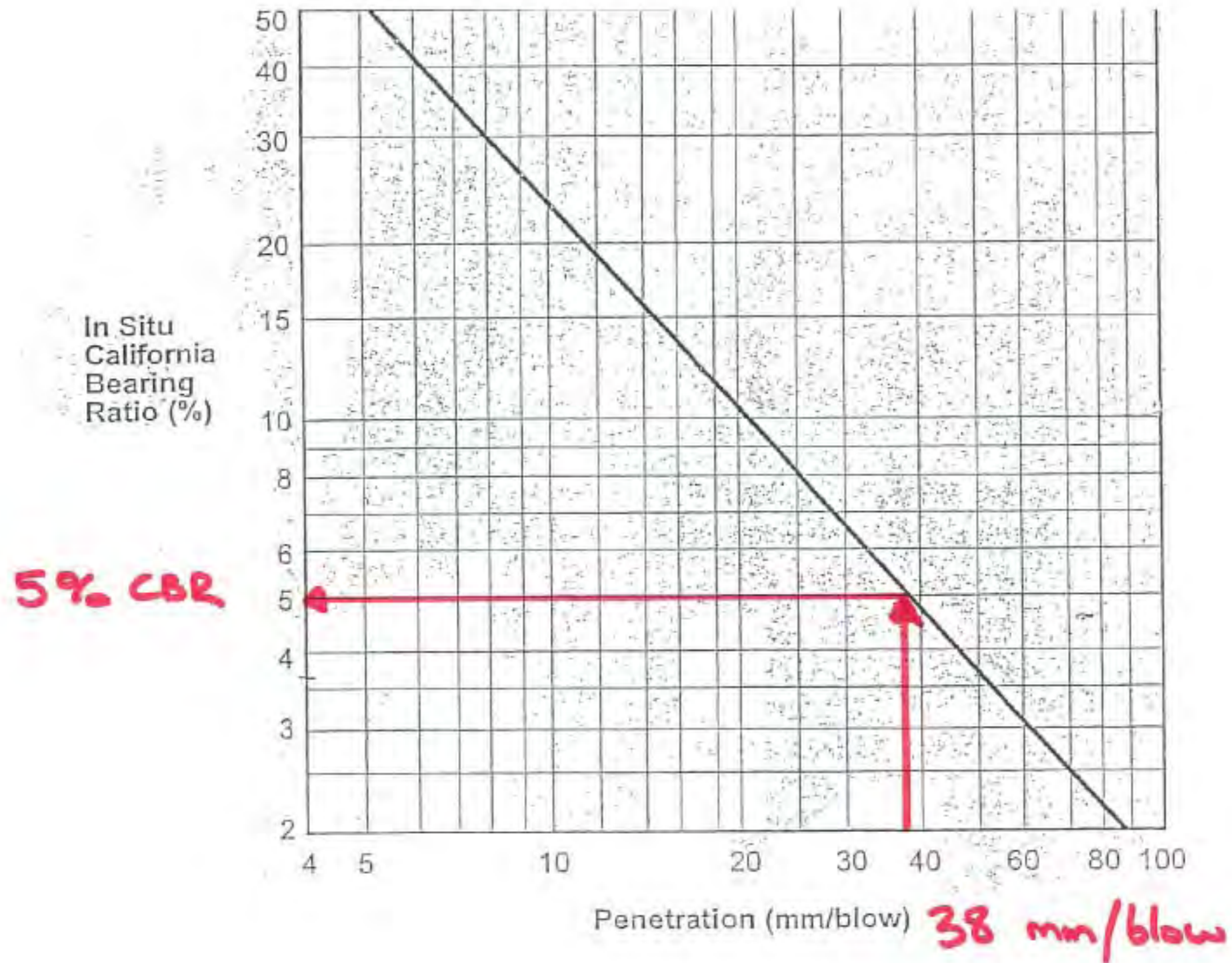
Anthony Stubbs – Road Science



Traditional Design Method



California Bearing Ratio ?



Design Thickness ?

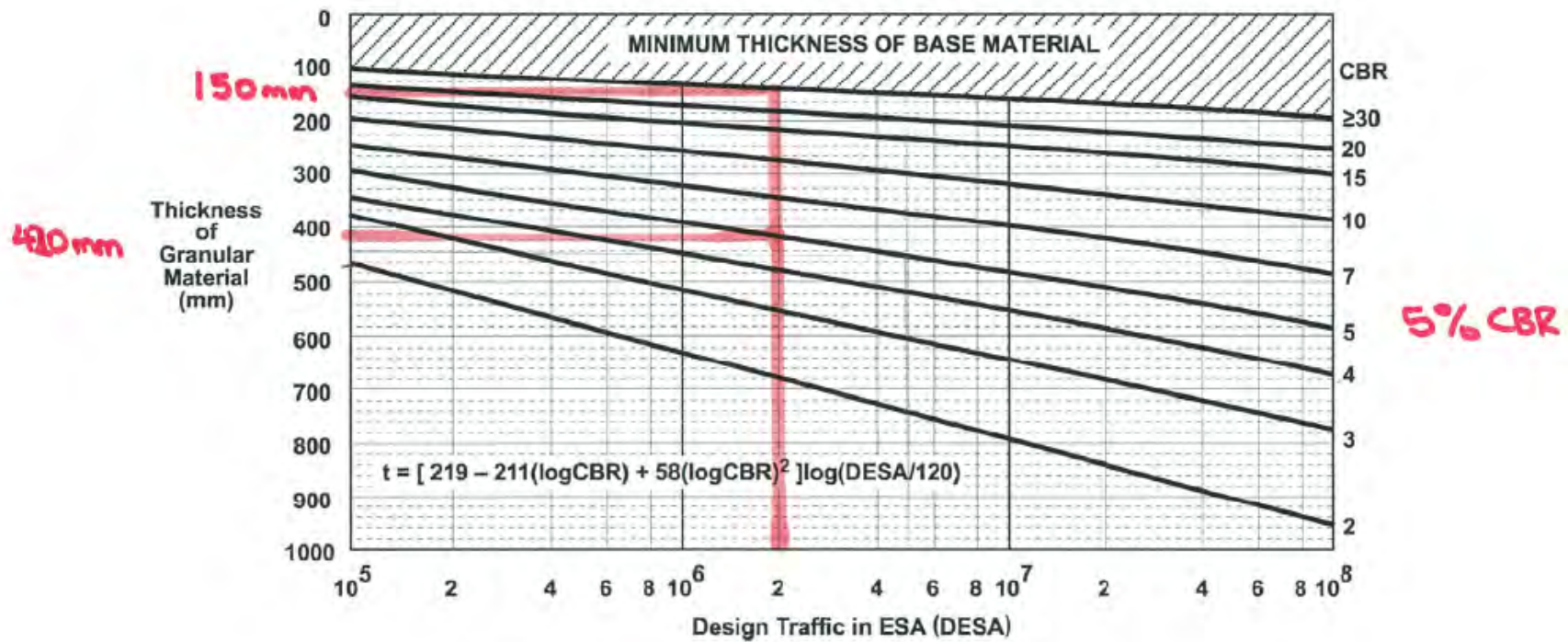
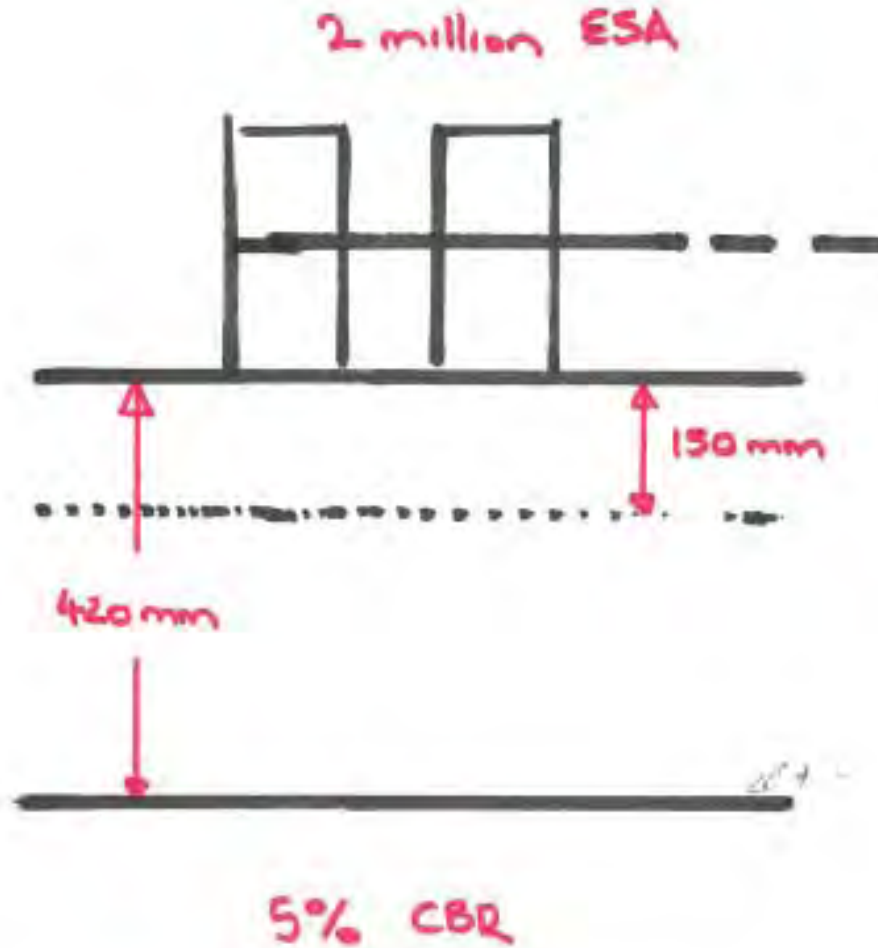


Figure 8.4: Design chart for granular pavements with thin bituminous surfacing

2 million ESA

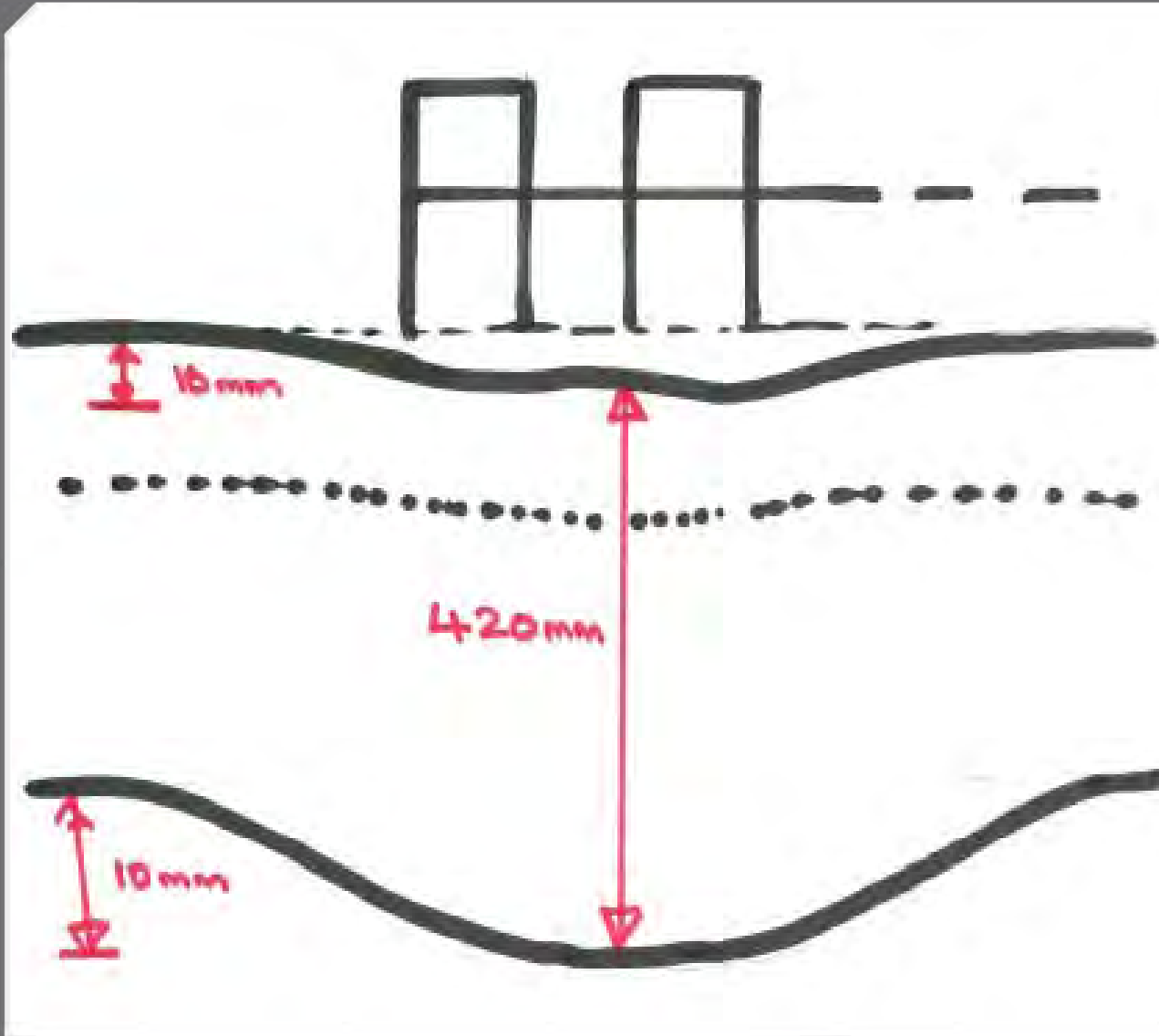
Pavement Design



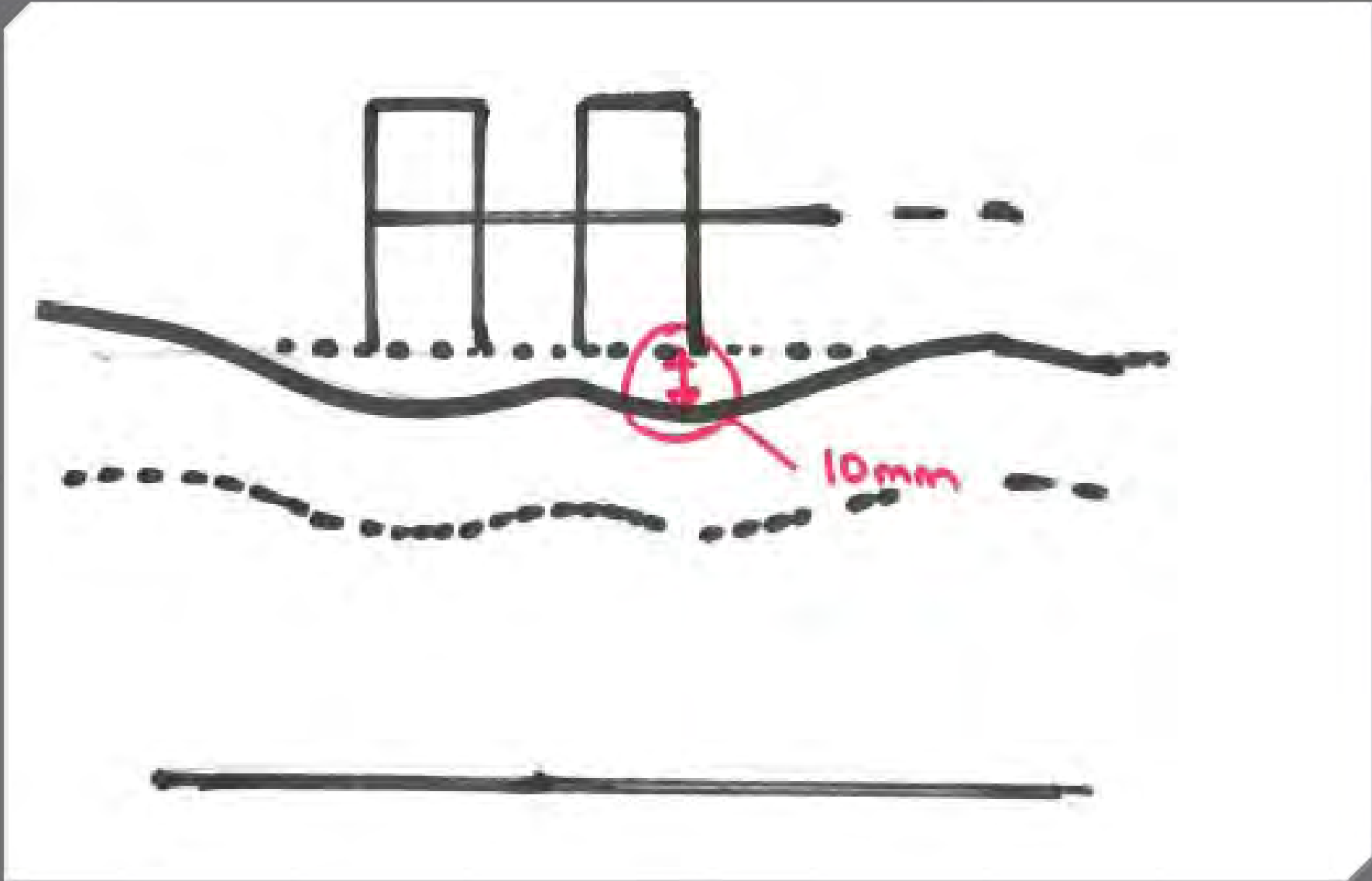
Difficulties with Traditional



Subgrade (Structural) Rutting



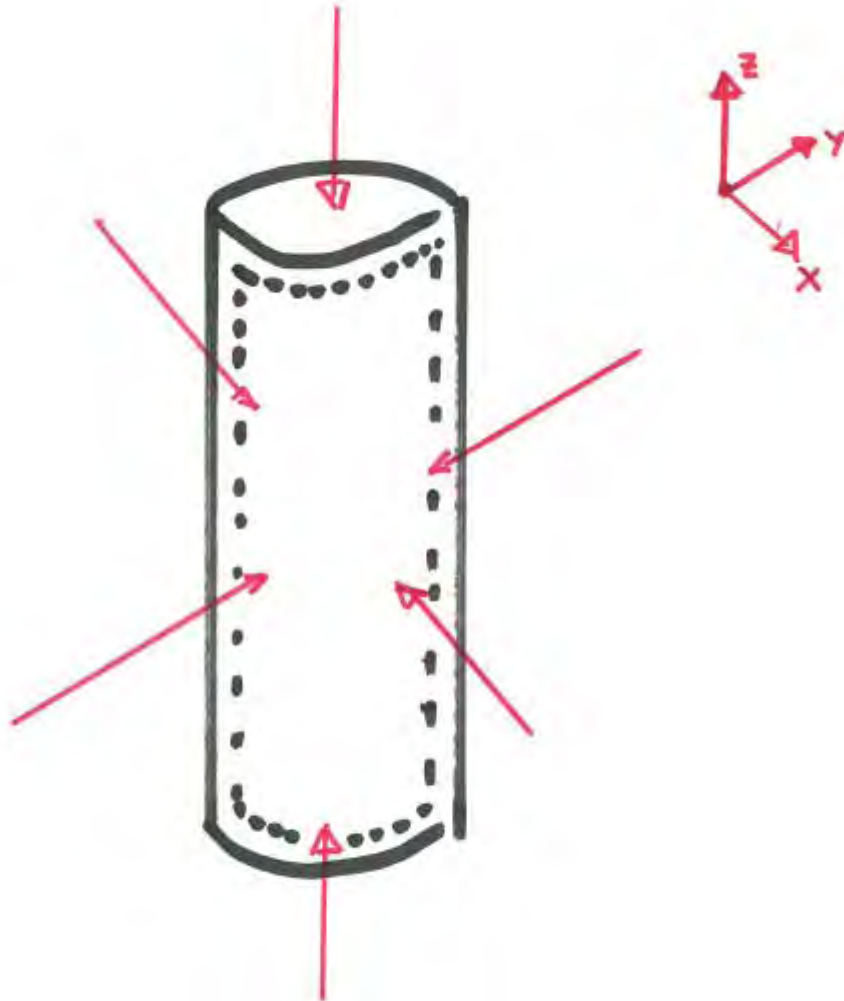
Surface (Basecourse) Rutting



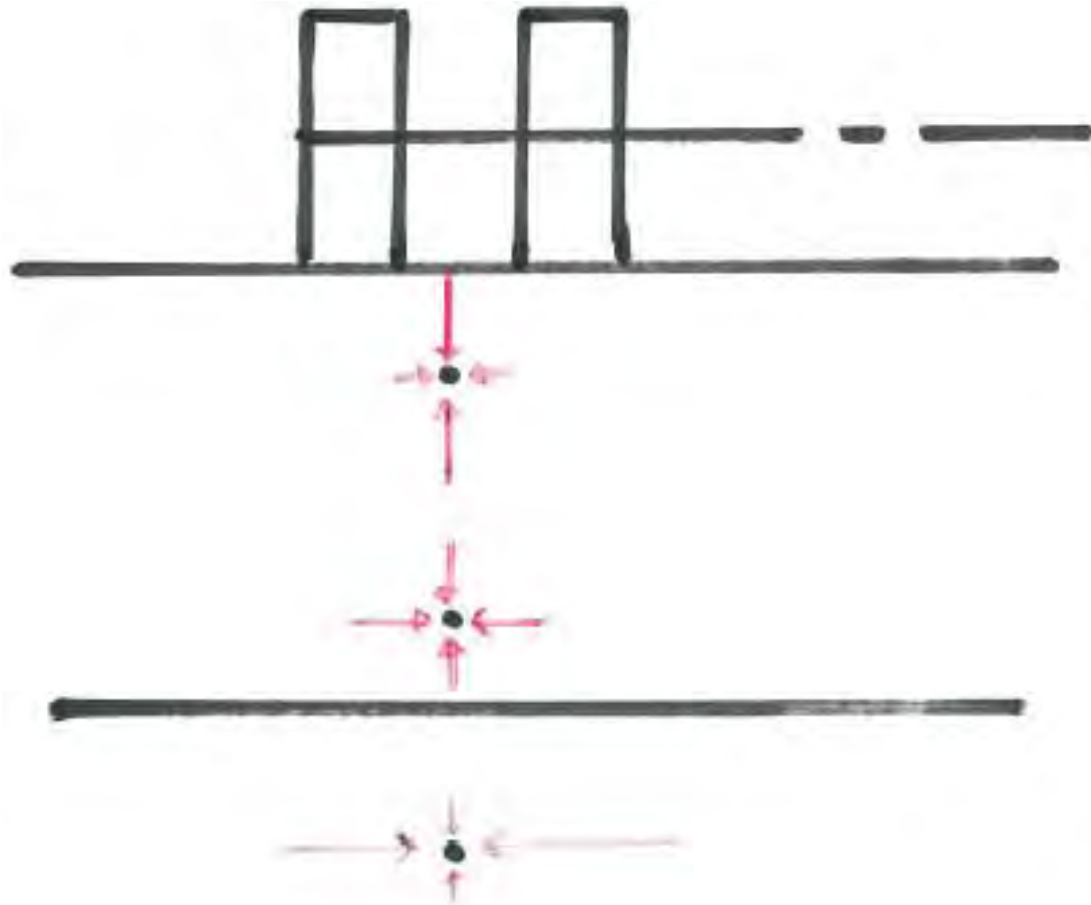
Performance Design Method



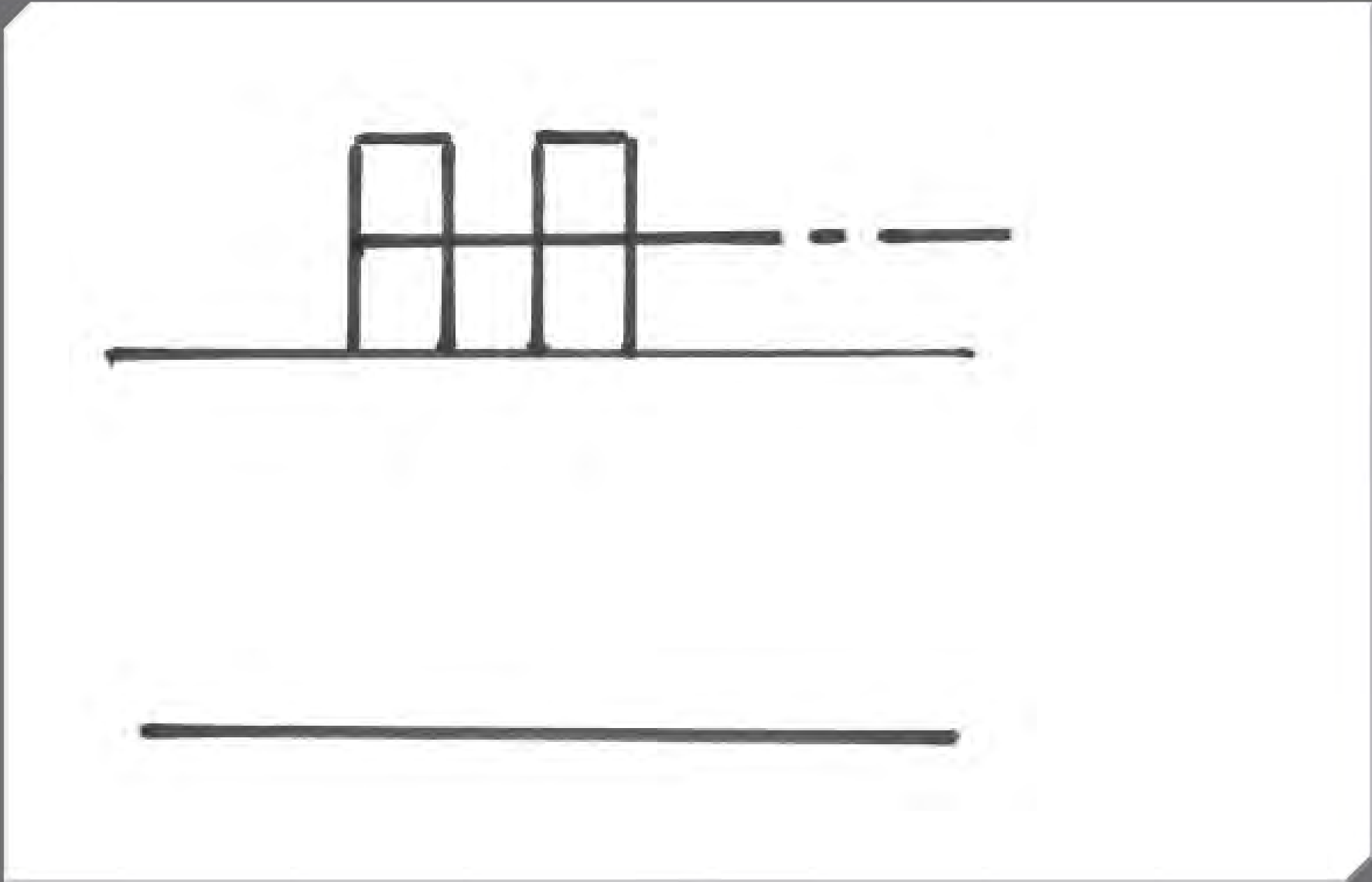
Tri – Axial Testing



Stress Patterns



Alternative Design



Thank You

