Calibration - this is the code I wrote to change the a1 and a3 values until the max tension and max compression forces match the experimental results

Hys\_Energy\_Error - calculates the energy from the opensees results and compares it to experimental results

Model\_results - output file when the model is run

ref\_Energy - experimental energy results

reference\_FD - experimental force and displacement results

Results TBRB6 - has my graphs

TBRB - the BRB model

TBRB-6 - the input file with the variables defined. This is the file that runs everything else

Input Notes - has my calcs for defining the backbone curve and a summary of what my values ended up being for each TBRB