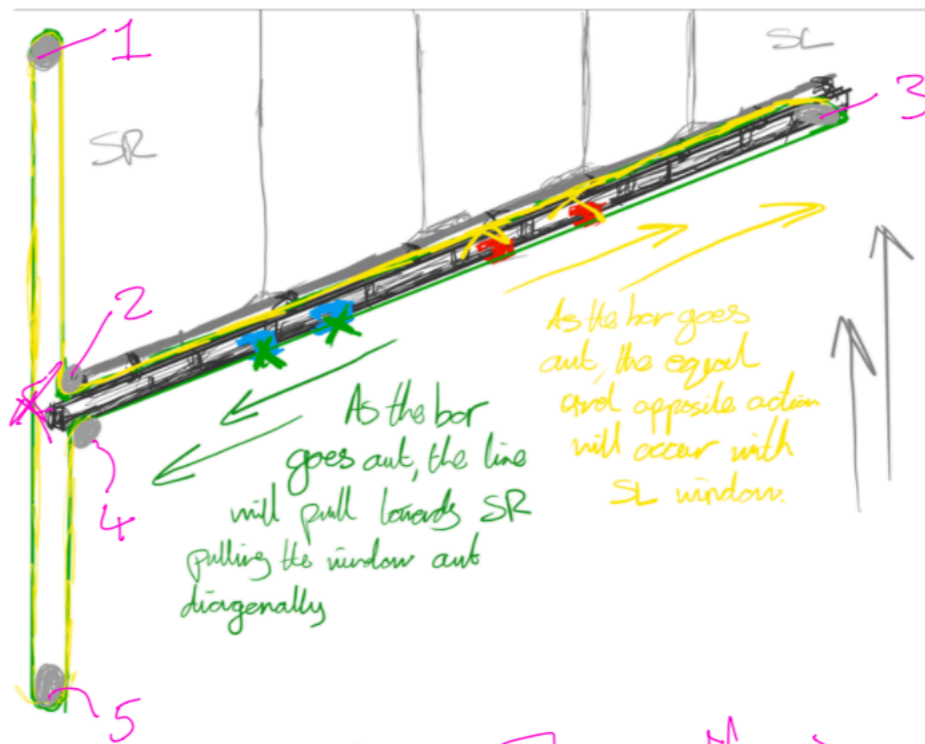## Test 1: Diagonally Tracking Windows

For this feature in the show, the designer has asked for the windows to track apart diagonally. To achieve this effect I have designed a system that simply requires the fly bar to be flown out to the correct position. A continuous curtain track loop that extends vertically above the fly bar will allow the windows to track apart like a simple curtain reveal - where one window is attached to the front line and the other to the rear line.

1

SR

2

4

5

SL

3

As the bar goes out, the line will pull towards SR pulling the window out diagonally

As the bar goes out, the equal and opposite action will occur with SL window.

X - The mechanism must be locked-cys to the bar

Test setup:

Test results: