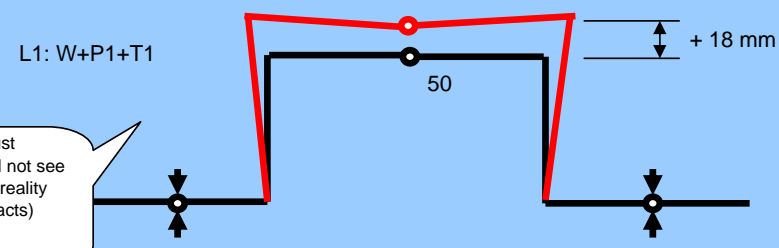
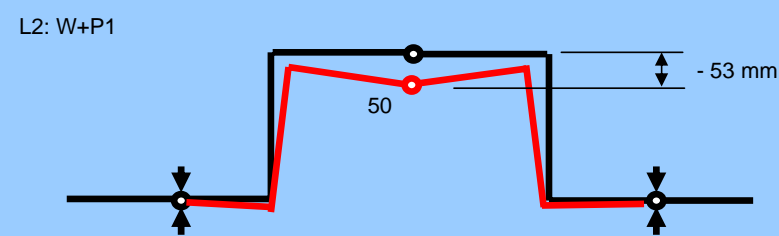


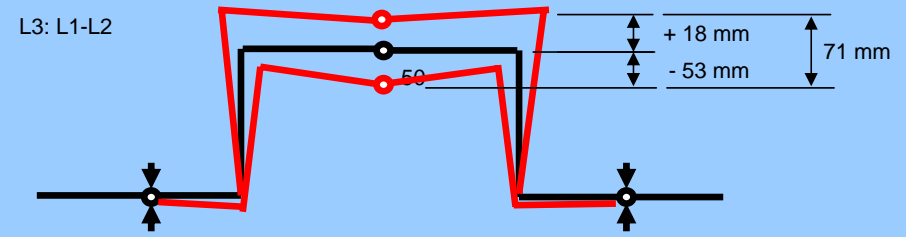
MODEL 1 (with +Y removed)



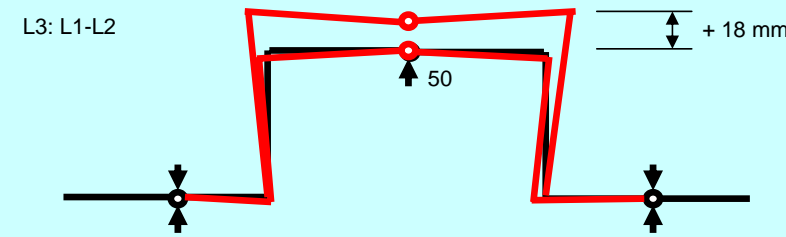
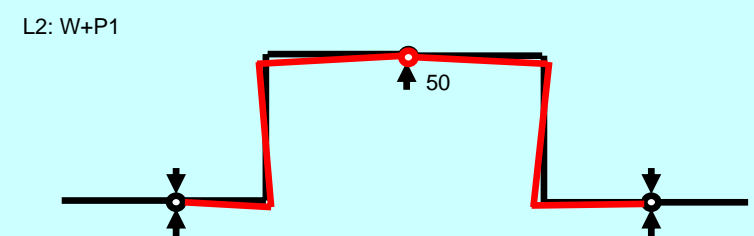
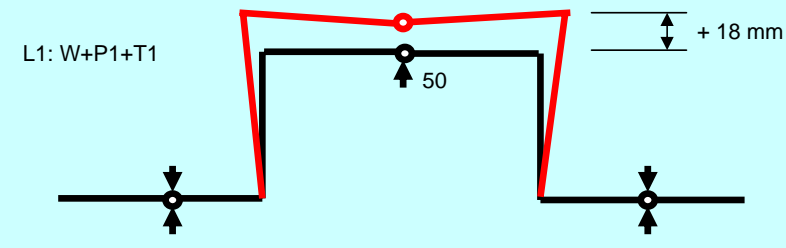
The actual lift-off is just +18 mm (the pipe will not see the +71 mm lift-off in reality since weight always acts)



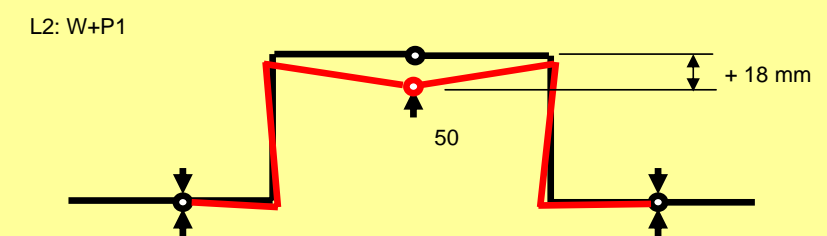
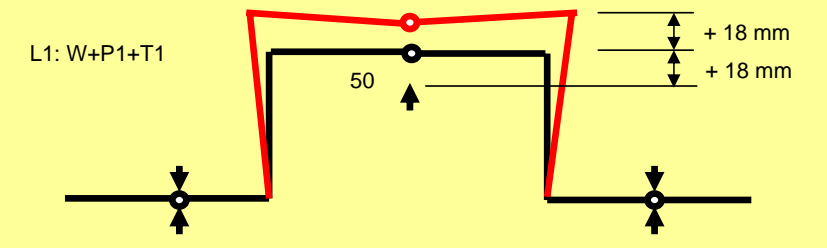
My point is that the sustained stresses are calculated based on this displacement-pattern for model 1. The pipe will not see this pattern in reality because an actual support exist.



MODEL 2 (with +Y retained)



MODEL 3 (with +Y retained but with +18 mm gap)



A case to check the sustained stresses if the pipe sags by the amount it lifted-off.