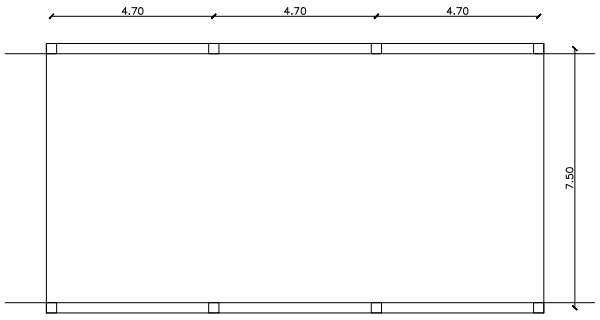
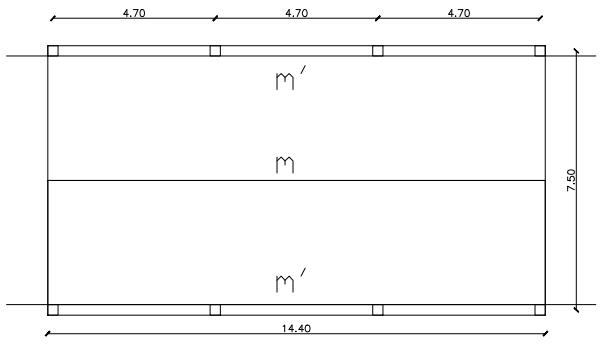


Factored load 10 kn/m.s



Moments about x

Folded plate about X

Assuming m'= 0.35 m

m = 55 kn.m/m

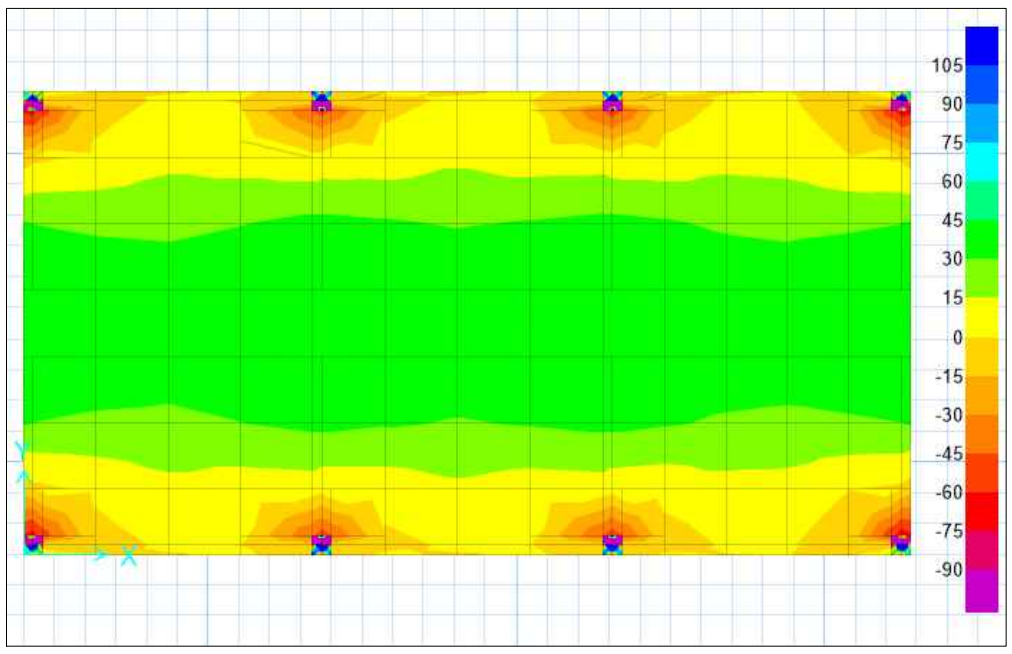
m' = 19.3 kn.m/m

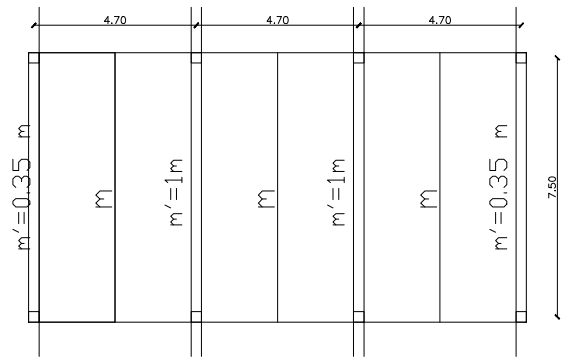
Concentrating moments

m' over columns in x

14.4 * 19.3 / (0.94+2.35+2.35+.94) =

= 42.25 kn.m/m





Moments about y

Folded plate about y

m = 20 kn.m/m

1*m = 20 kn.m/m

0.35* m = 7 kn.m/m

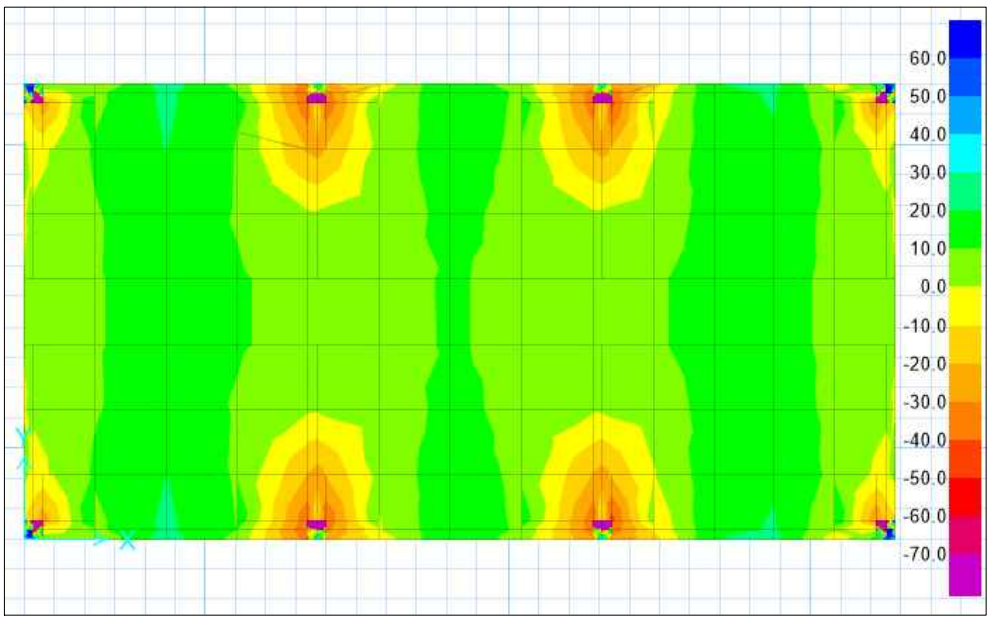
Concentrating moments

m' over interior columns in x

20*7.8 / (.2*7.8+.2*7.8) =

= 50 kn.m/m

m' over exterior columns in x

20*7.8*.35 / (.2*7.8+.2*7.8) =

= 17.5 kn.m/m