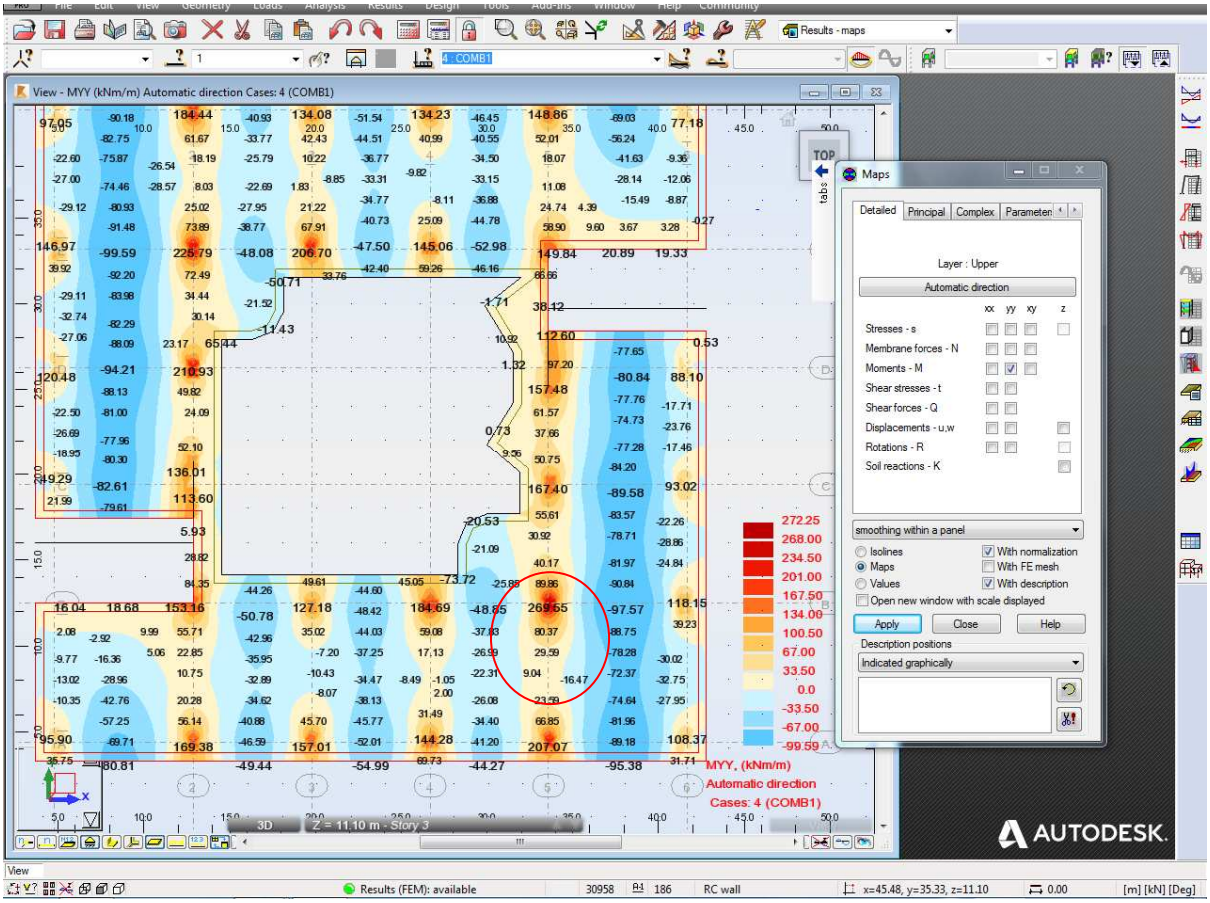
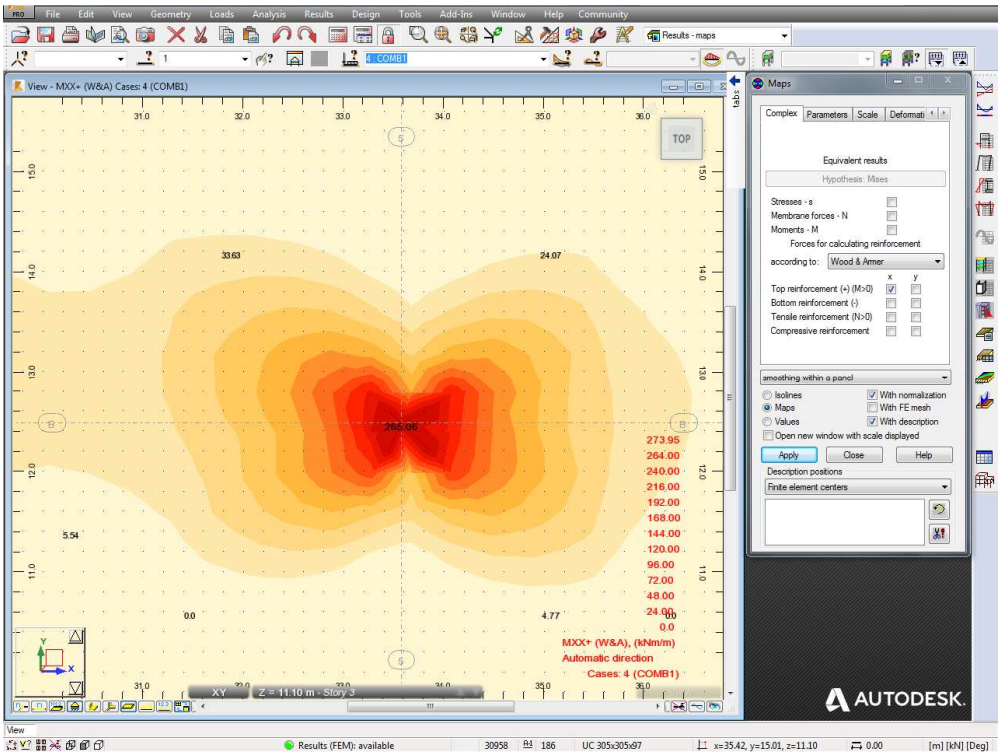
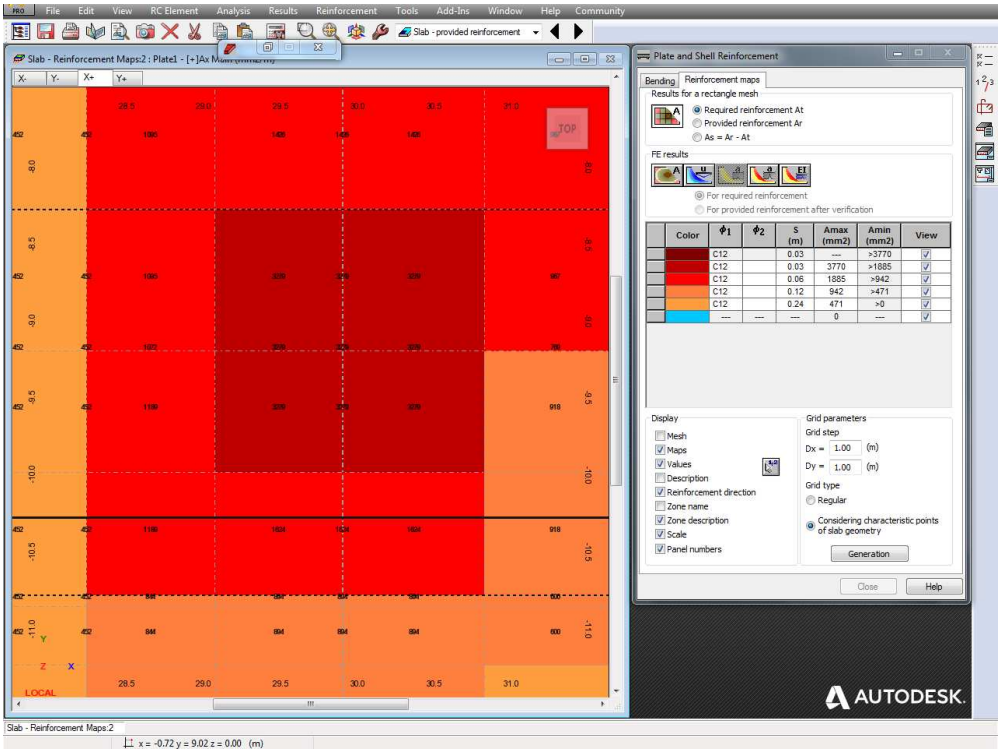


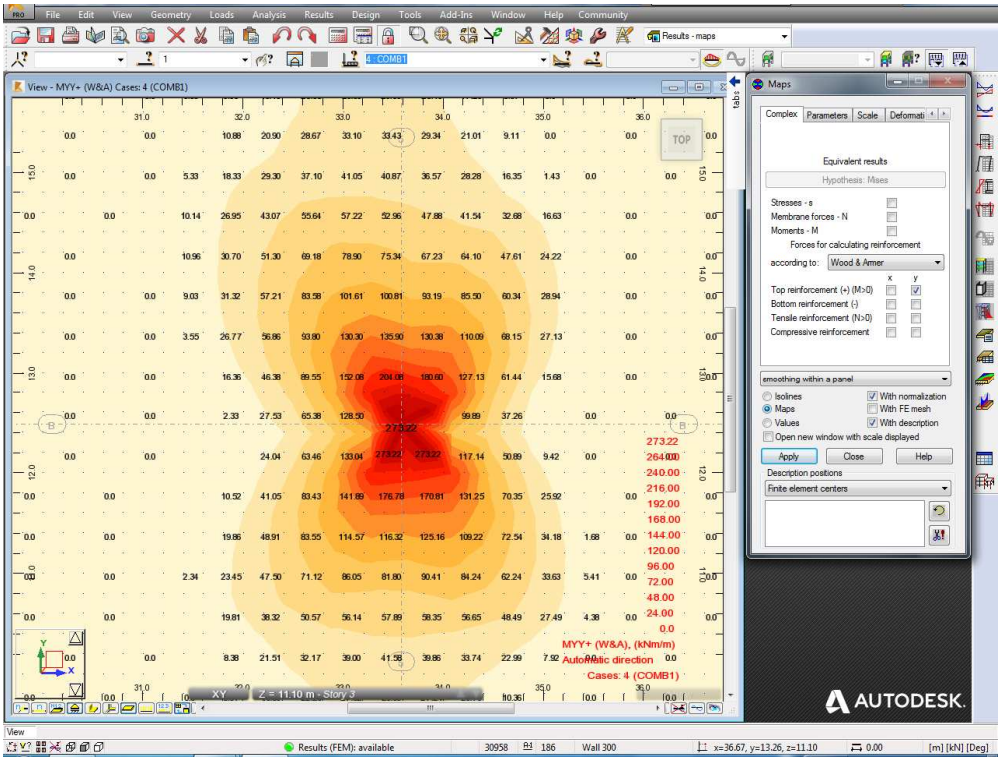
Moment to be used for designing the tension reinforcement in X-direction:



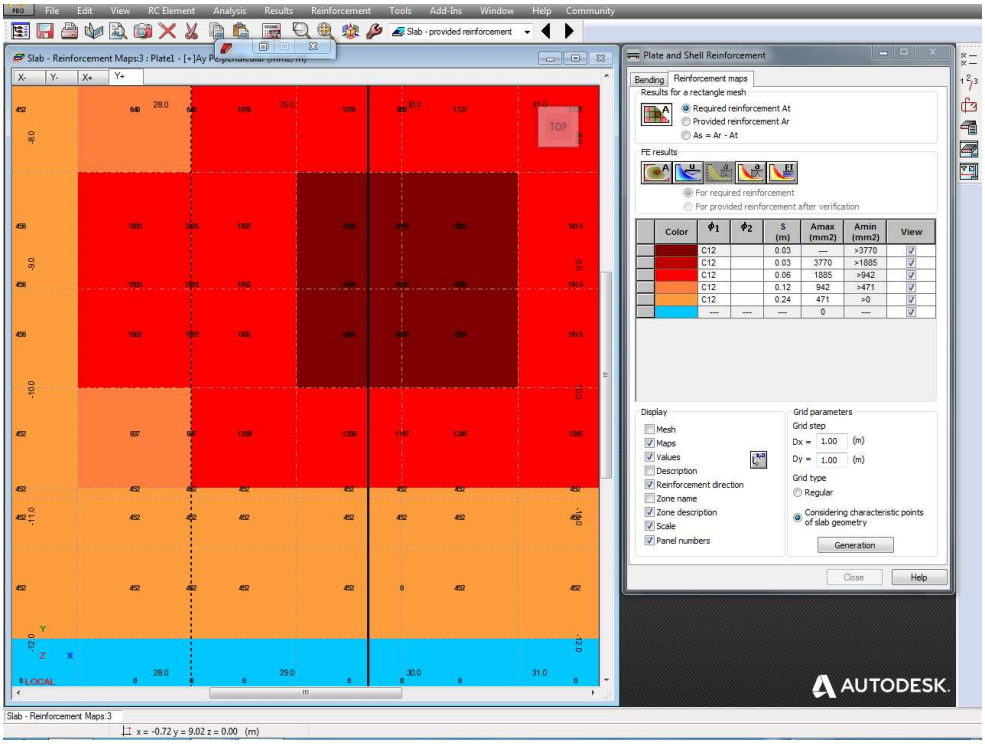
And required reinforcement calculated by software:



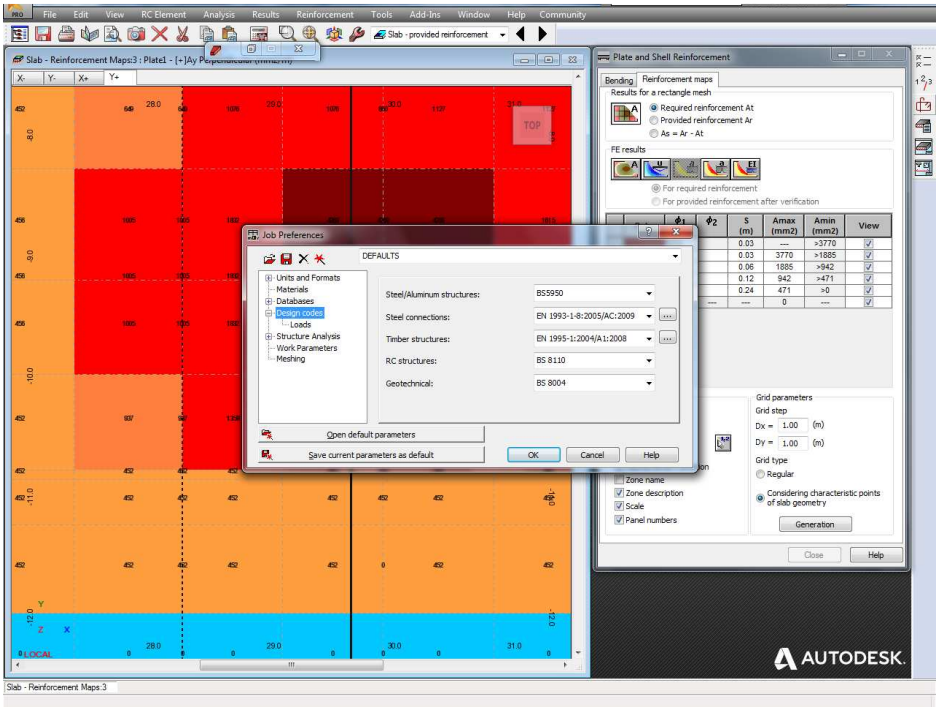
Moment to be used for designing the tension reinforcement in Y-direction:



And reinforcement required:



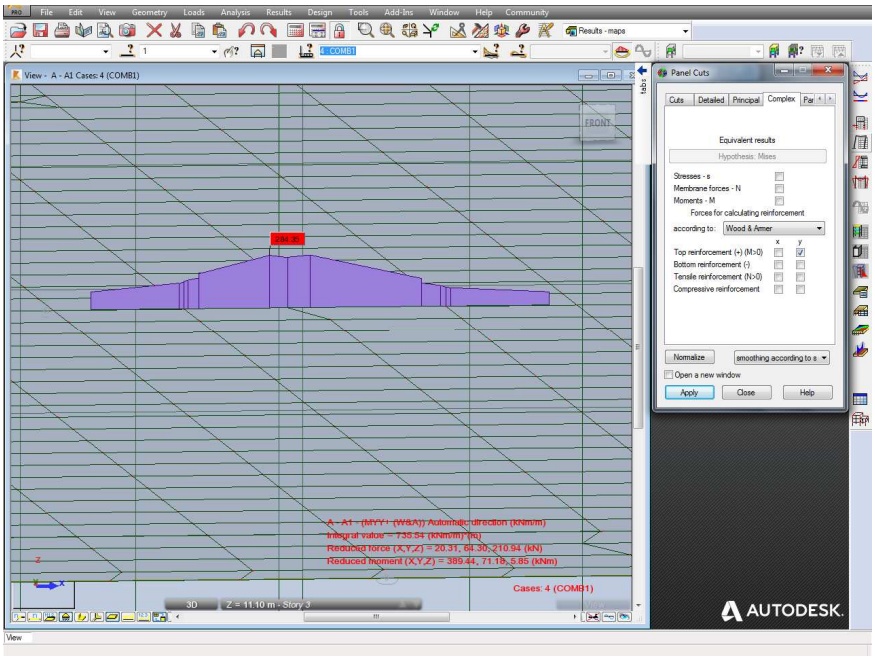
Double check design code BS8110:



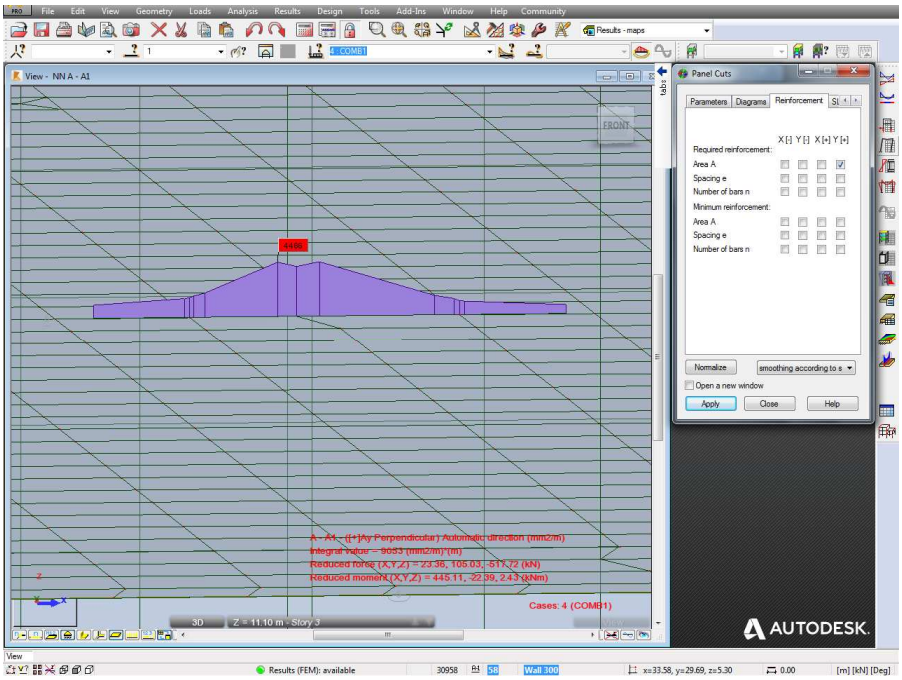
I did a quick hand check for Y-Y direction and taking 1m strip, **M=273.0kNm** and d=260mm I get a result of 2776.5mm^2/m which is much less than 4269mm^2/m.

I also checked a panel cut:

Moment:



Reinforcement required:



Can you please help to interpret these results?