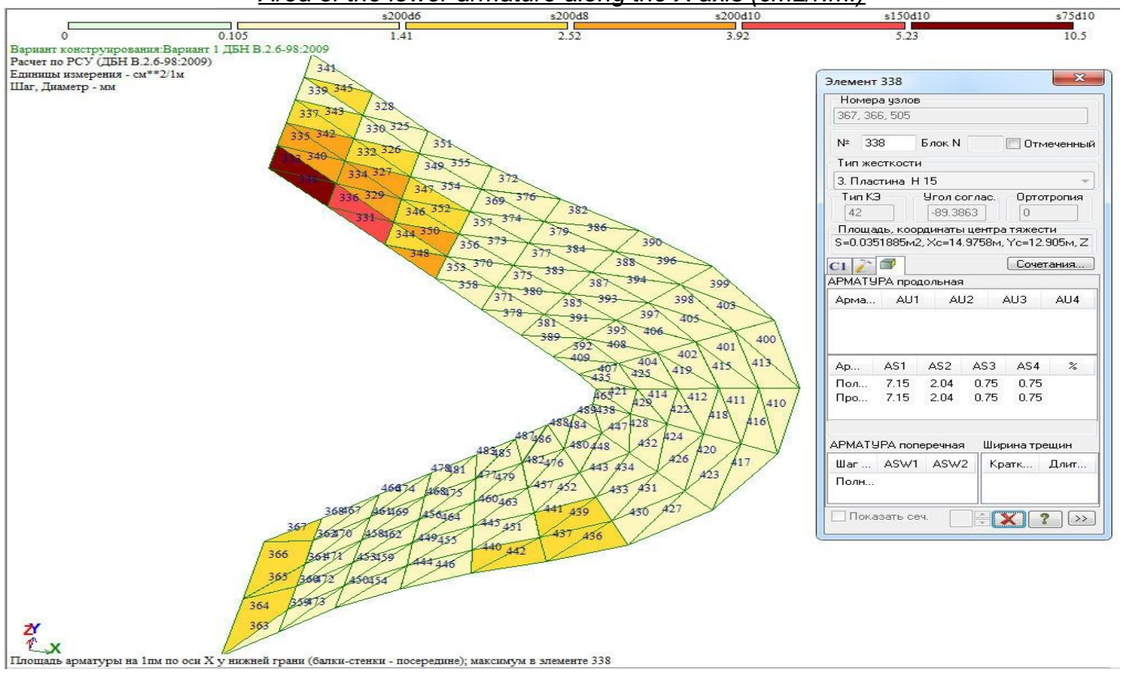
Calculation of the reinforcement area

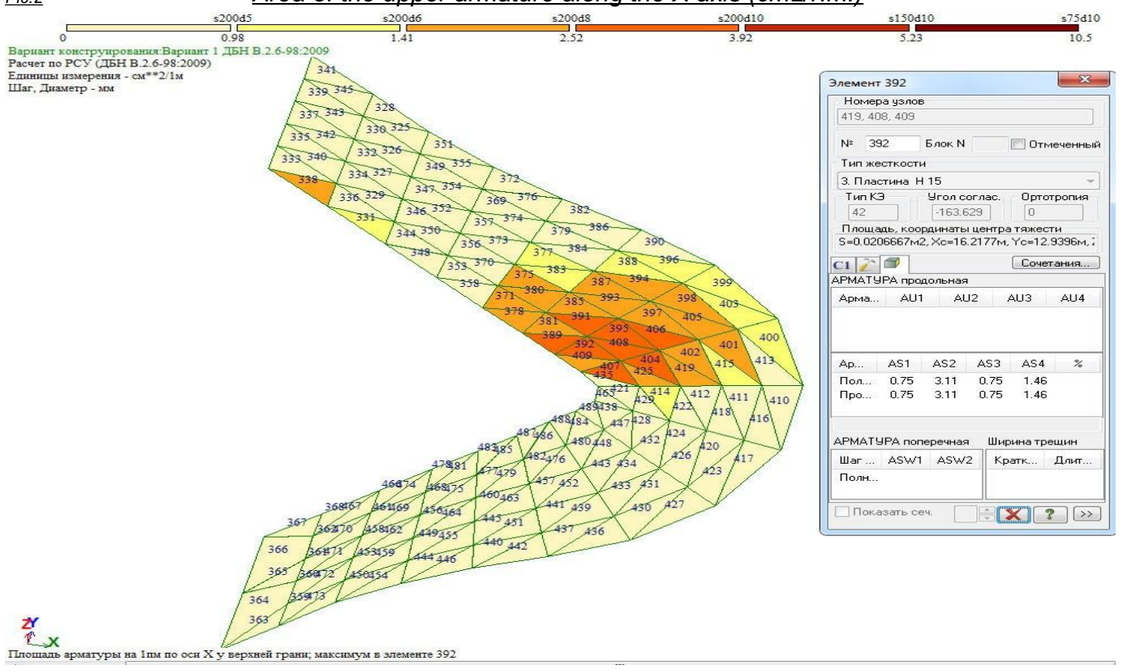
Pic.1

Area of the lower armature along the X axis (cm2/r.m.)



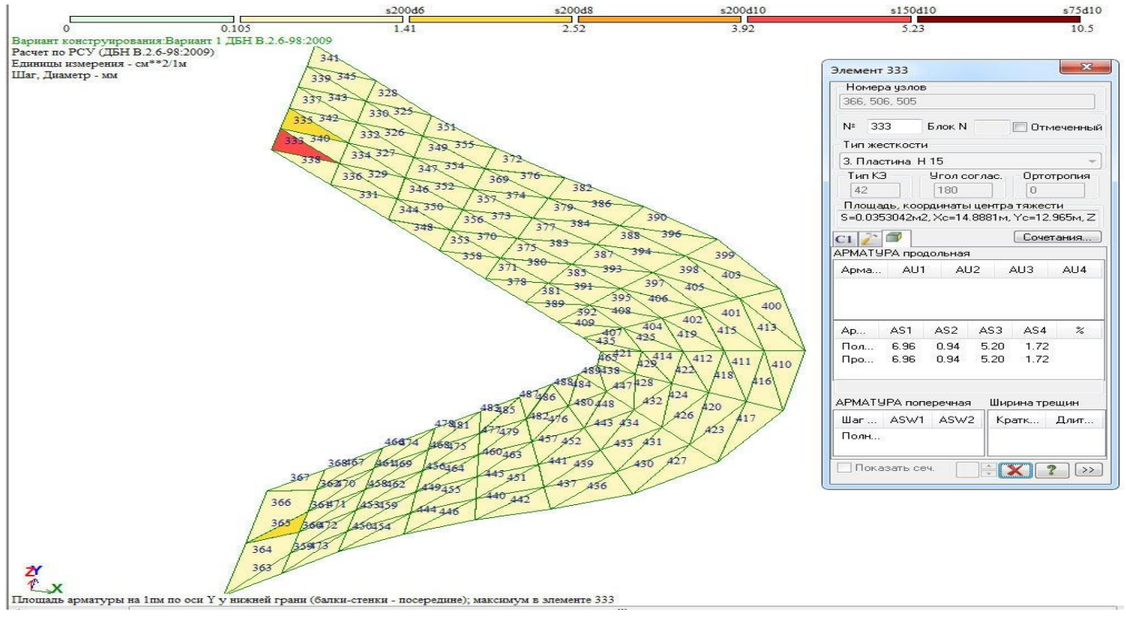
Pic.2

Area of the upper armature along the X axis (cm2/r.m.)



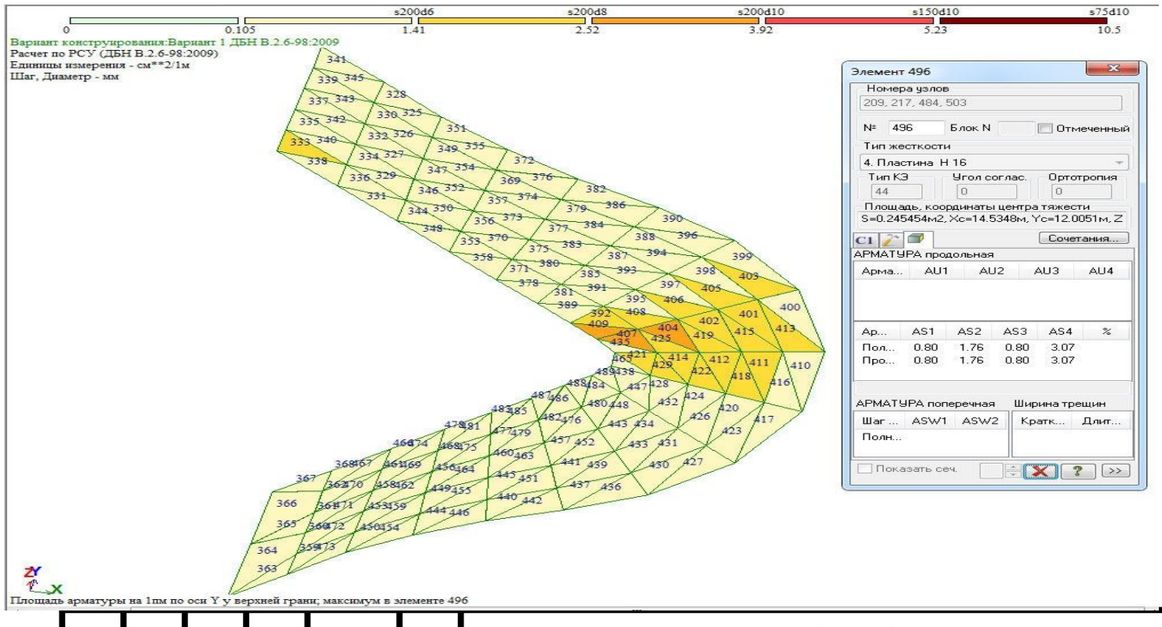
Pic. 3

The area of the lower armature along the Y axis (cm2/r.m.)



Pic.4

Area of the upper armature along the Y axis (cm2/r.m.)



Conclusion

Lower reinforcement of the stairs slab (according to pic. 1 and 3)
From the 1st to the 14th step, we form the lower reinforcing mesh from longitudinal rods with a diameter of 10 mm with a step of 150 mm (5.23 cm2) and transverse rods with a diameter of 10 mm with a step of 200 mm (3.92 cm2), and from the 15th to the 17th step, we form a grid from longitudinal rods with a diameter of 10 mm with a step of 75 mm (10.5 cm2) and transverse rods with a diameter of 10 mm with a step of 200 mm (3.92 cm2).

Upper reinforcement of the staircase slab (according to pic. 2 and 4)
From the 1st to the 17th step, we form the upper reinforcing mesh from longitudinal rods with a diameter of 10 mm with a step of 200 mm (3.92 cm2) and transverse rods with a diameter of 10 mm with a step of 200 mm (3.92 cm2).

Change	Count	Sheet	№Doc.	Sign.	Date	001/19-K3			
						Kiev region, Vyshhorod district, (Lebedivska silska rada) cottage town Riviera villas			
						Construction of concrete monolithic stairs	Stage	Sheet	Sheets
							P	09	15
Developed		Karpov A.Y.				Calculation of the reinforcement area	Stairs-A		
Verify		Tkach K.G.							