Slab - Reinforcement Maps:3 : Plate399 - [+]Ay Perpendicular (mm2/m) A - A1

X- | Y- | X+ | Y+

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The concrete strength does not fulfill the code requirements concerning the exposure class: 28 MPa < 30 MPa - E.1(2).
For top reinforcement in the direction of X axis at the point: (0.50, -1.34) Ar/At = 0.83 < 1.0
For top reinforcement in the direction of X axis at the point: (0.50, -0.45) Ar/At = 0.83 < 1.0
For top reinforcement in the direction of Y axis at the point: (2.50, -4.02) Ar/At = 0.54 < 1.0
For top reinforcement in the direction of Y axis at the point: (2.50, -3.13) Ar/At = 0.54 < 1.0
For bottom reinforcement in the direction of Y axis at the point: (2.50, -4.02) Ar/At = 0.56 < 1.0
For bottom reinforcement in the direction of Y axis at the point: (2.50, -3.13) Ar/At = 0.56 < 1.0

0.54 = 1005/1867

1.5.1. Maximum moments + reinforcement for bending, compression/tension

	Ax(+)	Ax(-)	Ay(+)	Ay(-)
Provided reinforcement (mm2/m):	1005	1005	1005	1005
Modified required reinforcement (mm2/m):	1216	939	1867	1805
Original required reinforcement (mm2/m):	1216	939	1867	1805
Coordinates (m):	0.000;-0.497	2.500;-4.470	3.000;-3.973	3.000;-3.973

Calculation report does not recognize the additional rebar in zone 1/7+ and reports error based on reinforcement in "base" zone 1/2+

1.5.2. Maximum moments + reinforcement for bending, compression/tension

	Ax(+)	Ax(-)	Ay(+)	Ay(-)
Symbol: required area/provided area				
Ax(+) (mm2/m)	**1216/1005**	990/1005	990/1005	990/1005
Ax(-) (mm2/m)	0/1005	**939/1005**	939/1005	939/1005
Ay(+) (mm2/m)	200/1005	1867/1005	**1867/1005**	1867/1005
Ay(-) (mm2/m)	82/1005	1805/1005	1805/1005	**1805/1005**
SLS				
Mxx (kN*m/m)	103.87	0.48	1.66	1.66
Myy (kN*m/m)	0.00	7.23	-2.21	-2.21
Mxy (kN*m/m)	-8.09	0.36	-0.48	-0.48

Or maybe Section 1.5.2 should be reporting only the additional reqd rebar/add. provided rebar of 862/1005 as against total rebar of 1867/1005.

Reinforcing zone definition

Automatic

Minimum size of zones without reinforcement L 1.000 m

Criterion-zones with densely-spaced reinf. 50.000 %

Manual

List of possible solutions:

1 4.568kN

Bars

Coordinates (p1; p2) (m) p1 p2

Add

Y+	Zone name	Basic panel parameter	ϕ	s (mm)	Increase of zone reinforcement		Reinforcement (mm2/m) At	Ar	As
2	1/2+	---	A16	200			1005	1005	0
7	1/7+	---	A16	200			862	1005	+144
*									

Delete reinf.

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