

☒ Minimum size of zones without reinforcement
Criterion: zones with densely-spaced reinf. L: 1,00 m
50,00 %

☐ Manual

List of possible solutions:

1 8 L16, 386G

Bars

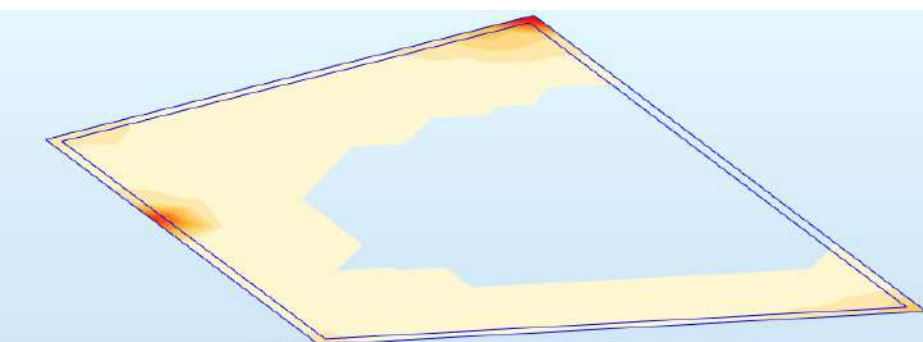
Coordinates (p1; p2) (m) p1 p2

Move Add

X	Zone name	Basic panel parameter	ϕ	S (mm)	Increase of zone	Reinforcement (mm ² /m)			
					+	At	Ar	As	
20	1/1-	1/2-	C32	150	<input checked="" type="checkbox"/>	f	4689	5362	+473
21	1/2-	---	C32	300	<input type="checkbox"/>		938	2681	+1742

Delete reinf.

Close Help



calculations ☐ Verification

Calculate

Close

section verification

method:

equivalent stiffness (elastic)

with stiffness update (FEM)

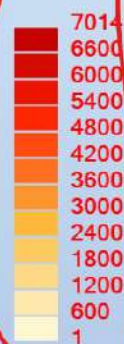
placement (+) Auto

placement (-) Auto

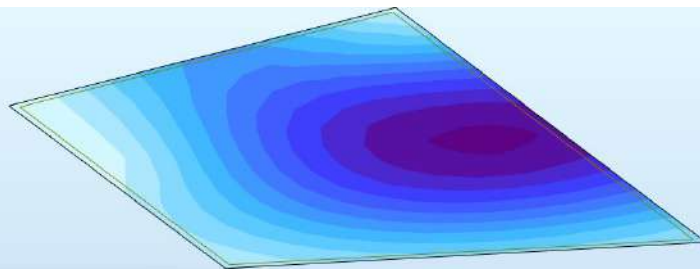
Help

Reinforcement SLS Scale

	X[-]	Y[-]	X[+]	Y[+]
Required reinforcement:				
Area A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spacing e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of bars n	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum reinforcement:				
Area A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Spacing e	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Number of bars n	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cross presentation:				
<input type="checkbox"/> (+) top	<input type="checkbox"/> (-) bottom		description starts with:	
<input checked="" type="radio"/> reinforcement areas			mm ²	
<input type="radio"/> reinforcement spacing			mm	
snoothing within a panel	<input checked="" type="checkbox"/>			
<input type="radio"/> Isolines	<input checked="" type="checkbox"/> With normalization			
<input checked="" type="radio"/> Maps	<input type="checkbox"/> With FE mesh			
<input type="radio"/> Values	<input type="checkbox"/> With description			
<input type="checkbox"/> Open new window with scale displayed				
Apply	Close	Help		



[+] A_y Perpendicular, (mm²/m)



Slab and Shell Reinforcement

List of panels: 990

Calculations for panel no.:

Calculated panels:

Limit states

- ☐ ULS
- ☐ SLS
- ☐ ACC

Method: analytical

Deflection verification

Method:

- ☒ Equivalent stiffness (Elastic)
- ☐ With stiffness update (FEH)

☒ Displacement (+) Auto

☒ Displacement (-) Auto

Buttons: Calculate, Close, Help

Reinforcement

Reinforcement: SLS Scale:

X(-) Y(-) X(+) Y(+)

Cracking ☐ ☐ ☐ ☐

Stiffness factor ☐ ☐ ☐ ☐

Deflection u ☒ ☐

smoothing within a panel

- ☐ Isolines
- ☒ Max
- ☐ Values
- ☐ Open new window with scale displayed

Buttons: Apply, Close, Help

