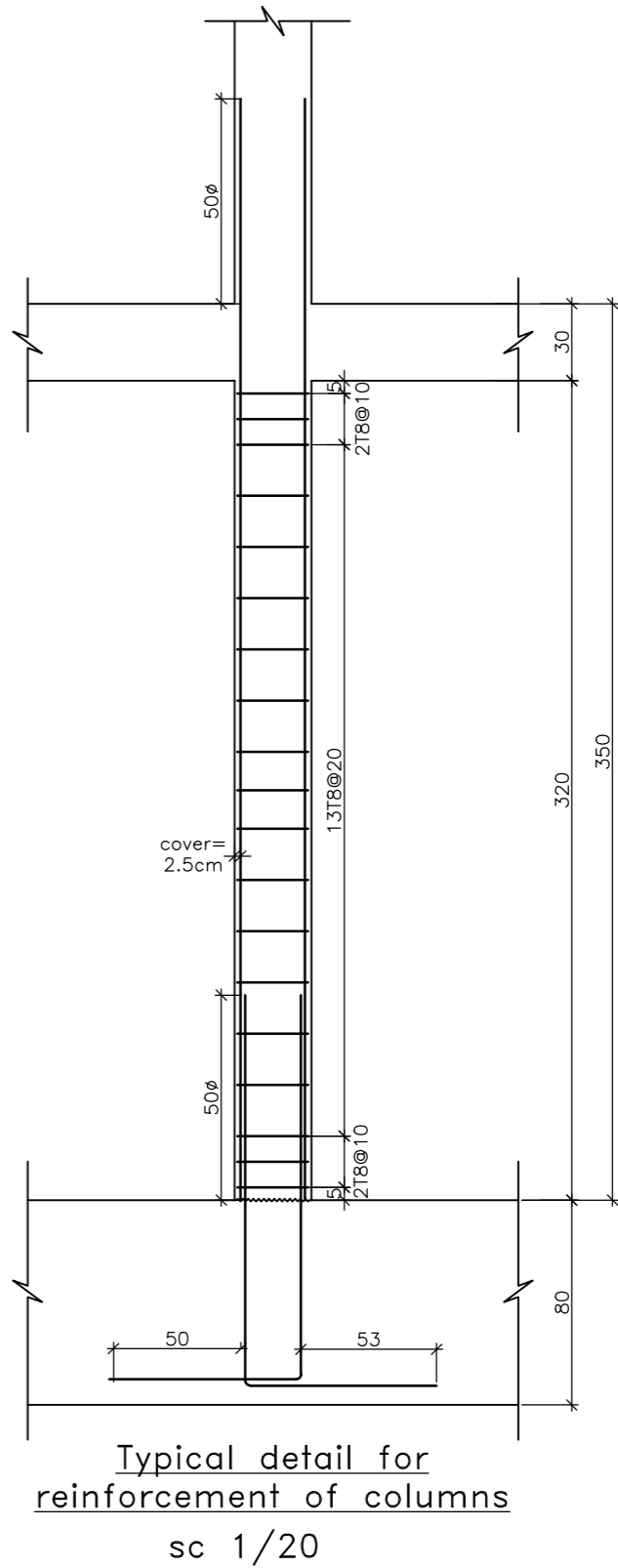


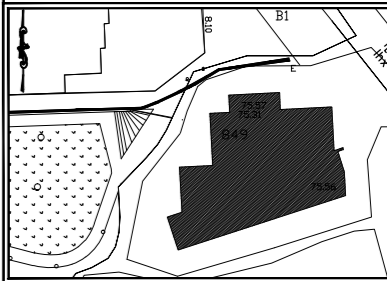
# BASEMENT COLUMNS REINFORCEMENT

SC 1/20

Level	Type	TOTAL NUMBER OF COLUMNS	LOCATION AXIS	LONGITUDINAL BARS		SECTIONS	STIRRUPS & TIES SHAPE & DIAMETER BAR MARK
				N°./SIZE/LENGTH BAR MARK	BAR SHAPE AND LENGTH		
BASEMENT COLUMNS	C1	3	(I;2) ((I,J);2) (C;7)	1) 20T14;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=4100
							3)Stirrup: 2x18T8;L=1180
							4)Stirrup: 18T8;L=1600
							5)Ties: 18T8;L=1900
							6)Ties: 18T8;L=410
	C2	2	(F;2) (G;2)	1) 22T16;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=2600
							3)Stirrup: 4x18T8;L=970
							4)Ties: 18T8;L=1150
	C3	6	(A;7);(B;7) (D;7);(G;8) (K;1) (K;(1;2))	1) 18T16;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=2200
							3)Stirrup: 3x18T8;L=970
							4)Ties: 18T8;L=950
	C3a	2	(I;1) ((J,K);8)	1) 18T16;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=2300
							3)Stirrup: 3x18T8;L=1070
							4)Ties: 18T8;L=950
	C3b	1	(L;(1;2))	1) 18T16;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=2300
							3)Stirrup: 3x18T8;L=1000
							4)Ties: 18T8;L=1000
	C4	3	(K;2) (K;3) ((F,G);3)	1) 12T16;L=4500	<div>4500</div>		2)Stirrup: 18T8;L=1450
							3)Ties: 2x18T8;L=600



## RAHMEH SCHOOL PROJECT



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## NOTES

- 1- concrete cover for columns 2.5cm
- 2- compressive strength at 28days  $f_{c28}=250\text{kg/cm}^2$
- 3- yield strength is 4200kg/cm2
- 4- overlap 50Ø

rev	description	drawn by	verified by	date

PROJECT:  
**RAHMEH SCHOOL BUILDING**  
PHASE: Shop Drawing  
DRAWING NUMBER & TITLE: S402A  
**BASEMENT COLUMNS  
REINFORCEMENT DETAILS**  
(1/2)  
Dwg. Reference: S-10 Revision Number : 0  
Format Scale Revision Issue Date :  
A1 1/20 23-01-2012