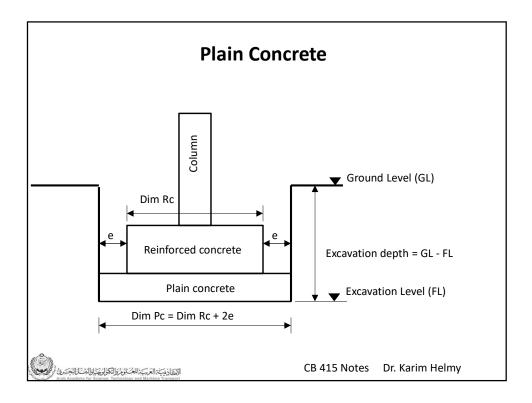
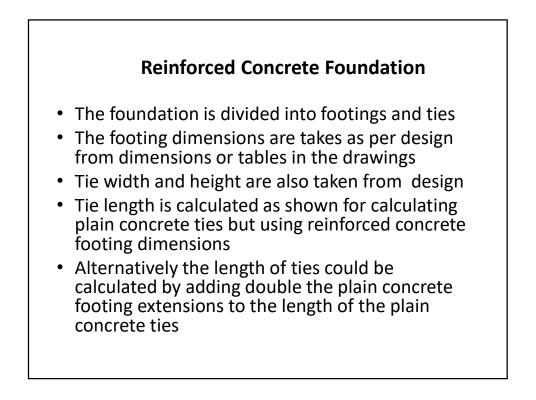


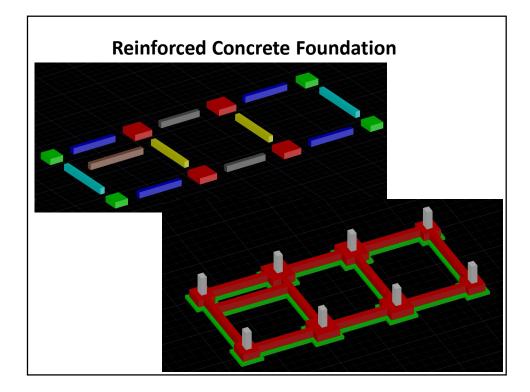
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$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Footings F2   4   1.60   1.10   10.560     Ties axes 1 and 4   2   3.50   0.60   1.10   4.620     Ties axes A and B between axes 1&2 and 3&4   a   2   3.20   0.60   1.10   4.224     Ties axes A and B between axes 2 & 3   a   2   2.40   0.60   1.10   4.224     Ties between axes A and B between axes 1 & 2   1   3.40   0.60   1.10   2.244     3.86.676	Footings F2   4   1.60   1.10   10.560     Ties axes 1 and 4   2   3.50   0.60   1.10   4.620     Ties axes A and B between axes 1&2 and 3&4   a   2   3.20   0.60   1.10   4.224     Ties axes A and B between axes 2 & 3   a   2.65   0.60   1.10   6.996     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	tem	Description	Unit	No.	L	W	Н	Add	Deduct	Total
Ties axes 1 and 4 1 2 3.50 0.60 1.10 4.620   Ties axis 2 and 3 2 3.20 0.60 1.10 4.224 4   Ties axes A and B between axes 1&2 and 3&4 4 2.65 0.60 1.10 6.996 1   Ties axes A and B between axes 2 & 3 2 2.40 0.60 1.10 3.168 1   Tie between axes A and B & between axes 1 & 2 1 3.40 0.60 1.10 2.244 38.676	Ties axes 1 and 4 1 2 3.50 0.60 1.10 4.620   Ties axis 2 and 3 2 3.20 0.60 1.10 4.224 4   Ties axes A and B between axes 1&2 and 3&4 4 2.65 0.60 1.10 6.996 1   Ties axes A and B between axes 2 & 3 2 2.40 0.60 1.10 3.168 1   Tie between axes A and B & between axes 1 & 2 1 3.40 0.60 1.10 2.244 38.676	Ties axes 1 and 4 1 2 3.50 0.60 1.10 4.620   Ties axis 2 and 3 1 2 3.20 0.60 1.10 4.224   Ties axes A and B between axes 1&2 and 3&4 4 2.65 0.60 1.10 6.996   Ties axes A and B between axes 2 & 3 1 3.40 0.60 1.10 2.244   Tie between axes A and B & between axes 1 & 2 1 3.40 0.60 1.10 2.244		Footings F1		4	1.30	1.20	1.10	6.864		
Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	-		1							
Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	tio		4							
Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244	Ties axes A and B between axes 2 & 3   2   2.40   0.60   1.10   3.168     Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244   38.676	ava	Ties axis 2 and 3	m <sup>3</sup>	2	3.20	0.60	1.10	4.224		
Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244     38.676	Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244     38.676	Tie between axes A and B & between axes 1 & 2   1   3.40   0.60   1.10   2.244     38.676	Exc	Ties axes A and B between axes 1&2 and 3&4	1				1.10	6.996		
38.676	38.676	38.676	_	Ties axes A and B between axes 2 & 3		2	2.40	0.60	1.10	3.168		
				Tie between axes A and B & between axes 1 & 2		1	3.40	0.60	1.10	2.244		
PC tie width = RC tie width + 2e = 0.30 + 2 × 0.15 = 0.60 m	PC tie width = RC tie width + 2e = 0.30 + 2 × 0.15 = 0.60 m	PC tie width = RC tie width + 2e = 0.30 + 2 × 0.15 = 0.60 m										38.676
				PC tie width = RC tie wid	dth +	2e =	0.30 + 1	2 × 0.1	.5 = 0.6	50 m		
				PC tie width = RC tie wic	ith +	2e = 1	0.30 + )	2 × 0.1	.5 = 0.6	50 m		

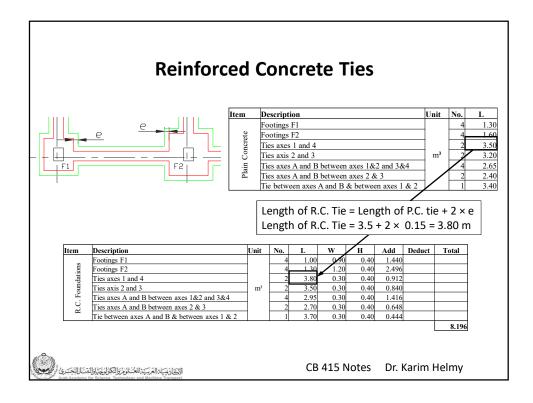


	i iaiii	CU	пс	rete					
	cavation area is the same as the pla	ain co	ncre	te are	so the	same	dimer	nsions a	re use
for leng	gth and width								
1	Description	Unit	No.	L	w		Add	Deduct	T-4-1
Item	Description	Unit	N0.	L 1.30	w 1.20	H 1.1	Add 6.864		Total
	Footings F1 Footings F2	-	4	1.50	1.20	1.10		-	
ion.	Ties axes 1 and 4	-	2	3.50	0.60	1.10		-	
vati	Ties axis 2 and 3	m <sup>3</sup>	2	3.20	0.60	1.10			
Excavation	Ties axes A and B between axes 1&2 and 3&4		4	2.65	0.60	10		-	
ш	Ties axes A and B between axes 2 & 3	1	2	2.40	0.60	1.10			
	Tie between axes A and B & between axes 1 & 2		1	3.40	0.60	1.1	2.244	ł	
						$\mathbf{\nabla}$			38.67
						0.15	m		
Item	Description	Unit	No.	L	W	Н	Add	Deduct	Total
	Footings F1		4	1.30	1.20	0.15	0.936		
ete	Footings F2		4	1.60	1.50	0.15	1.440		
Plain Concrete	Ties axes 1 and 4	1	2	3.50	0.60	0.15	0.630		
රී	Ties axis 2 and 3	m <sup>3</sup>	2	3.20	0.60	0.15	0.576		
ain.	Ties axes A and B between axes 1&2 and 3&4		4	2.65	0.60	0.15	0.954		
PI	Ties axes A and B between axes 2 & 3	4	2	2.40	0.60	0.15	0.432		
	Tie between axes A and B & between axes 1 & 2		1	3.40	0.60	0.15	0.306		
									5.274





Γ			Dimensions			Reinfo	rcement			
	Footing	L	w	н	Lo	ong direction	Short [	Direction		
F1		1.00	0.90	0.40		5 ø 12	6 ¢ 12			
	F2	1.30	1.20	0.40		7¢12	8 ¢ 12			
m ious	Description Footings F1 Footings F2			No.	L 1.00 1.30		H 0.40 0.40	Add 1.440 2.496	Deduct	Total
R.C. Foundations					1.50	1.20	0.10	2.490		
~										



tem	Description	Unit	No.	L	W	Н	Add	Deduct	Total
e	Footings F1		4	1.30	1.20	1.10	6.864		
	Footings F2	_	4	1.60	1.50	1.10	10.560		
Excavation	Ties axes 1 and 4		2	3.50	0.60	1.10	4.620		
ave	Ties axis 2 and 3	m <sup>3</sup>	2	3.20	0.60	1.10	4.224		
Exc	Ties axes A and B between axes 1&2 and 3&4	4	4	2.65	0.60	1.10	6.996		
	Ties axes A and B between axes 2 & 3	-	2	2.40	0.60	1.10	3.168		
	Tie between axes A and B & between axes 1 & 2		1	3.40	0.60	1.10	2.244		
		-							38.676
	Footings F1	-	4	1.30	1.20	0.15	0.936		
rete	Footings F2	-	4	1.60	1.50	0.15	1.440		
onc	Ties axes 1 and 4 Ties axis 2 and 3	Ι.	2	3.50	0.60	0.15	0.630		
Plain Concrete	Ties axes A and B between axes 1&2 and 3&4	m <sup>3</sup>	4	2.65	0.60	0.15	0.376		
lai	Ties axes A and B between axes 1&2 and 3&4 Ties axes A and B between axes 2 & 3	-	4	2.65	0.60	0.15	0.934		
щ	Tie between axes A and B & between axes 1 & 2	1	1	3.40	0.60	0.15	0.432		
	The between axes A and B & between axes 1 & 2	!	1	5.40	0.00	0.15	0.500		5.274
	Footings F1		4	1.00	0.90	0.40	1.440		5.274
suo	Footings F2	1	4	1.30	1.20	0.40	2.496		
atic	Ties axes 1 and 4	1	2	3.80	0.30	0.40	0.912		
R.C. Foundations	Ties axis 2 and 3	m <sup>3</sup>	2	3.50	0.30	0.40	0.840		
	Ties axes A and B between axes 1&2 and 3&4	-	4	2.95	0.30	0.40	1.416		
Ċ,	Ties axes A and B between axes 2 & 3		2	2.70	0.30	0.40	0.648		
Ř	Tie between axes A and B & between axes 1 & 2	1	1	3.70	0.30	0.40	0.444		
	1								8.196