



MEMBER	No OF	BARS PER MEMB	DIA.	LENGTH	TOTAL NUMBER	MARK	S	B E N D I N G					E/r
								C	A	B	C	D	
BASE	1	94	Y16	5750	94 A01	55	440	360	4300	360	(440)		
	1	89	Y16	4950	89 A02	38	360	4300	(360)				
	1	95	Y16	5950	95 A03	52	440	360	2900	(360)			
	1	96	Y16	4450	96 A04	60	360	810					
	1	76	Y16	5800	76 A05	38	475	325	(505)				
	1	71	Y16	5350	71 A06	37	325	(605)					
	1	5	Y16	4400	5 A07	38	475	25	(365)				
	1	5	Y16	2400	5 A08	60	325	810					
	1	8	Y16	250	8 A09	60	1260						
	1	30	R10	1450	30 A10	83	300	310	300	(300)			
WALL	1	464	Y16	4950	464 B01	37	500	1500	(1500)				
	1	464	Y12	4700	464 B02	20	(4700)						
	1	232	Y12	2000	232 B03	37	310		(880)				
	1	200	Y12	3600	200 B04	37	1550	(2050)					
	1	200	Y12	2000	200 B05	37	300	1550					
	1	200	Y12	2400	200 B06	37	325	(2050)					
	1	200	Y12	6000	200 B07	20	(6000)						
	1	108	R10	500	108 B08	85	120	310	60	(80)			
EXTRA OPENING BARS	1	8	Y12	1450	8 B09	60	600	275	(600)				
	3	8	Y12	1450	24 B10	60							
	3	16	Y12	950	48 B11	20	(960)						
ROOF SLAB	1	92	Y10	1100	92 C01	38	500	150	(500)				
	1	92	Y10	3500	92 C02	20	(3500)						
TOTAL	1	14	Y10	1400	14 C03	31	115	480					
	1	29	Y10	1590	29 C04	99A	210	150	870	720	150		
	1	6	Y10	1080	6 C05	99A	210	150	360	210	150		
	1	8	Y10	920	8 C06	99A	210	150	280	130	150		
	1	6	Y10	3160	6 C07	99A	210	150	1450	1250	150		
	1	13	Y10	280	13 C08	99A	210	150	960	810	150		
	1	23	Y10	3520	23 C09	99A	210	150	1580	1430	150		
	1	49	Y10	1100	49 C10	38	500						
	1	34	Y10	8500	34 C11	11	(8500)						
	1	12	Y10	3900	12 C12	20	(3920)						
	1	14	Y10	5050	14 C13	20	(5080)						
	1	14	Y10	1400	14 C14	14	(3680)						
	1	6	Y10	6700	6 C15	20	(6730)						
	1	8	Y10	9600	8 C16	16	(16100)						
	1	6	Y10	7400	6 C17	20	(7390)						
	1	26	Y10	1690	26 C18	99A	180	130	680	550	130		
1	28	Y10	1100	28 C19	180	130	360	500	140				
1	13	Y10	1350	13 C20	60	130	480						
1	6	Y16	3500	6 C21	20	(3500)							
1	3	Y16	300	3 C22	220	(290)							
1	3	Y16	2400	3 C23	20	(2390)							
1	6	Y16	4350	6 C24	20	(4355)							
1	6	Y16	2750	6 C25	20	(2755)							
1	32	Y16	1250	32 C26	20	(1260)							
1	20	R8	1110	20 C27	83	300	120	300	(300)				
R	9	10	12	16	20	25	32	40	TOT			69	
		60										10308	
		812	4918	4577									
TOT	9	872	4918	4577								10377	

1. REINFORCEMENT CHARACTERISTICS:
REINFORCED CONCRETE CLASS AS SPECIFIED ON GENERAL ARRANGEMENT
2. CONCRETE COVER:
a. FLOOR: 45mm
b. WALLS: 45mm
c. ROOF (TOP FACE): 70mm
d. ROOF (BOTTOM FACE): 30mm
3. MINIMUM LAP LENGTH TO BE 50 x DIAMETER OF THE SMALLER BAR.
4. ALL REINFORCEMENT TO BE CHECKED AND APPROVED BY THE CIVIL DESIGN ENGINEER PRIOR TO CASTING OF ANY CONCRETE
5. REINFORCEMENT ABBREVIATIONS:
BW = BOTH WAYS
EW = EACH FACE
NF = NEAR FACE
FF = FAR FACE
EW = EACH WAY
T = TOP
T1 = FIRST LAYER FROM TOP
T2 = SECOND LAYER FROM TOP
T3 = THIRD LAYER FROM TOP
B = BOTTOM LAYER
B1 = FIRST LAYER FROM BOTTOM
B2 = SECOND LAYER FROM BOTTOM
B3 = THIRD LAYER FROM BOTTOM
ALT = ALTERNATE
ABR = ALTERNATE BAR REVERSE
6. ONLY CONCRETE COVER BLOCKS ALLOWED OF THE SAME STRENGTH OF CONCRETE
7. REINFORCEMENT DETAILING TO COMPLY WITH SANS 10114
8. BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SANS 282
9. REINFORCEMENT SHALL BE FIXED TO COMPLY WITH TOLERANCES AS SPECIFIED IN SANS 12002

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FOR CONSTRUCTION