

TABLE - 1: REINFORCEMENT SCHEDULE FOR SPAN 1800

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
1800	1800	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
1800	2400	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
1800	3000	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
1800	3600	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
1800	4200	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	4800	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	5400	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	6000	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	6600	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	7200	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
1800	7800	450	20M @ 250 mm	20M @ 300 mm	35M	25M		
1800	8400	450	20M @ 250 mm	20M @ 300 mm	35M	25M		
1800	9000	450	20M @ 250 mm	20M @ 300 mm	35M	25M		

TABLE - 2: REINFORCEMENT SCHEDULE FOR SPAN 2400

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
2400	2400	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
2400	3000	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
2400	3600	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	4200	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	4800	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	5400	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	6000	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	6600	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	7200	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	7800	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	8400	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
2400	9000	450	20M @ 250 mm	20M @ 300 mm	30M	25M		

TABLE - 3: REINFORCEMENT SCHEDULE FOR SPAN 3000

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
3000	3000	450	20M @ 250 mm	20M @ 300 mm	25M	25M		
3000	3600	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
3000	4200	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
3000	4800	450	20M @ 250 mm	20M @ 300 mm	30M	25M		
3000	5400	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	6000	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	6600	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	7200	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	7800	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	8400	450	20M @ 200 mm	20M @ 300 mm	30M	25M		
3000	9000	450	20M @ 200 mm	20M @ 300 mm	30M	25M		

TABLE - 4: REINFORCEMENT SCHEDULE FOR SPAN 3600

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
3600	3600	450	20M @ 250 mm	20M @ 250 mm	30M	30M		
3600	4200	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	4800	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	5400	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	6000	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	6600	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	7200	450	20M @ 200 mm	20M @ 250 mm	30M	25M		
3600	7800	450	20M @ 150 mm	20M @ 250 mm	30M	25M		
3600	8400	450	20M @ 150 mm	20M @ 250 mm	30M	25M		
3600	9000	450	20M @ 150 mm	20M @ 250 mm	30M	25M		

TABLE - 5: REINFORCEMENT SCHEDULE FOR SPAN 4200

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
4200	4200	450	20M @ 200 mm	20M @ 200 mm	30M	30M		
4200	4800	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4200	5400	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4200	6000	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4200	6600	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4200	7200	450	20M @ 150 mm	20M @ 200 mm	30M	25M		
4200	7800	450	20M @ 150 mm	20M @ 200 mm	30M	25M		
4200	8400	500	20M @ 150 mm	20M @ 200 mm	30M	25M		
4200	9000	500	20M @ 150 mm	20M @ 200 mm	35M	25M		

TABLE - 6: REINFORCEMENT SCHEDULE FOR SPAN 4800

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
4800	4800	450	20M @ 200 mm	20M @ 200 mm	30M	30M		
4800	5400	450	20M @ 200 mm	20M @ 200 mm	30M	30M		
4800	6000	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4800	6600	450	20M @ 200 mm	20M @ 200 mm	30M	25M		
4800	7200	450	20M @ 150 mm	20M @ 200 mm	30M	25M		
4800	7800	450	20M @ 150 mm	20M @ 250 mm	35M	25M		
4800	8400	500	20M @ 150 mm	20M @ 250 mm	35M	25M		
4800	9000	500	20M @ 150 mm	20M @ 250 mm	35M	25M		

TABLE - 7: REINFORCEMENT SCHEDULE FOR SPAN 5400

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
5400	5400	450	20M @ 200 mm	20M @ 200 mm	30M	30M		
5400	6000	450	20M @ 200 mm	20M @ 200 mm	30M	30M		
5400	6600	500	20M @ 200 mm	20M @ 200 mm	30M	25M		
5400	7200	500	20M @ 150 mm	20M @ 200 mm	35M	25M		
5400	7800	500	20M @ 150 mm	20M @ 200 mm	35M	25M		
5400	8400	500	20M @ 150 mm	20M @ 200 mm	35M	25M		
5400	9000	500	20M @ 150 mm	20M @ 200 mm	35M	25M		

TABLE - 8: REINFORCEMENT SCHEDULE FOR SPAN 6000

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
6000	6000	500	20M @ 200 mm	20M @ 200 mm	30M	30M		
6000	6600	500	20M @ 200 mm	20M @ 200 mm	30M	30M		
6000	7200	500	20M @ 150 mm	20M @ 200 mm	35M	30M		
6000	7800	500	20M @ 150 mm	20M @ 200 mm	35M	25M		
6000	8400	500	20M @ 150 mm	20M @ 200 mm	35M	25M		
6000	9000	550	20M @ 150 mm	20M @ 200 mm	35M	25M		

TABLE - 9: REINFORCEMENT SCHEDULE FOR SPAN 6600

SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
6600	6600	500	20M @ 200 mm	20M @ 200 mm	30M	30M		
6600	7200	500	20M @ 150 mm	20M @ 200 mm	30M	30M		
6600	7800	500	20M @ 150 mm	20M @ 200 mm	35M	30M		
6600	8400	550	20M @ 150 mm	20M @ 200 mm	35M	30M		
6600	9000	550	20M @ 150 mm	20M @ 200 mm	35M	25M		

TABLE - 10: REINFORCEMENT SCHEDULE FOR SPAN 7200


SHORT SPAN (mm)	LONG SPAN (mm)	SLAB THICKNESS 't' (mm)	REINF. 'A'		REINF. 'B'		ANCHORAGE 'C'	
			SHORT DIRECTION c/c	LONG DIRECTION c/c	SHORT DIRECTION	LONG DIRECTION	SHORT DIRECTION	LONG DIRECTION
7200	7200	500	20M @ 150 mm	20M @ 150 mm	30M	30M		
7200	7800	550	20M @ 150 mm	20M @ 150 mm	35M	30M		
7200	8400	550	20M @ 150 mm	20M @ 150 mm	35M	30M		
7200	9000	600	20M @ 150 mm	20M @ 150 mm	35M	30M		

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING No. 94103-M1.
2. SPAN LENGTHS ARE IN mm.
3. THE MINISTRY WILL ACCEPT CAP THICKNESS LESS THAN 450 mm DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO.

CONVERSIONS

- 1 in. = 25.4 mm
- 1 ft. = 0.3048 m
- 1 lb. = 4.448 N
- 1 psi. = 6.895 kPa

 TROW CONSULTING ENGINEERS LTD. FOR CONSTRUCTION: _____ FOR DESIGN: _____		 Ministry of Northern Development and Mines Project: MINE CLOSURE STANDARD SHAFT CAP DESIGN Title: TYPICAL MONOLITHIC CONCRETE CAP REINFORCEMENT SCHEDULE	