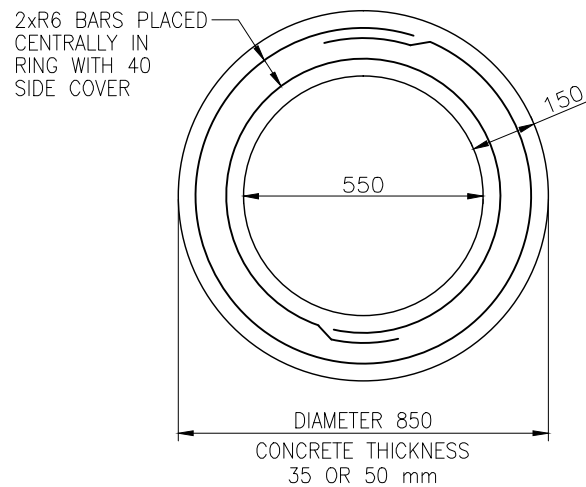


BAR No.	SHAPE	'a'	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		937	1175	1	1175
2		1125	1350	1	1350
3		1225	1450	1	1450
4		1125	1350	2	2700
5		1000	1225	2	2450
6		812	1050	2	2100
7		700	2600	1	2600
8		1200	4200	1	4200
TOTAL					18025

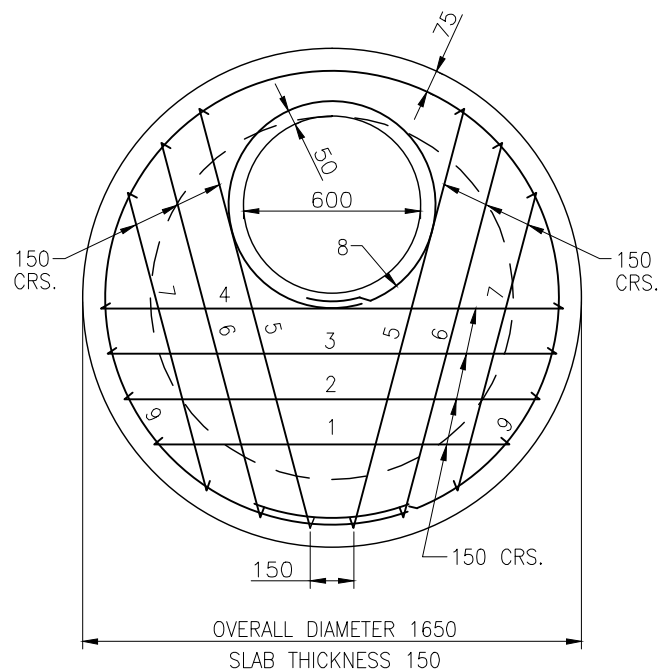
STEEL MASS : 18kg
 CONCRETE : 0.2m³
 TOTAL MASS : 430kg

**1350 DIA
 M.H. ROOF SLAB
 (FOR 1050 I.D. MANHOLES)**



MANHOLE RING

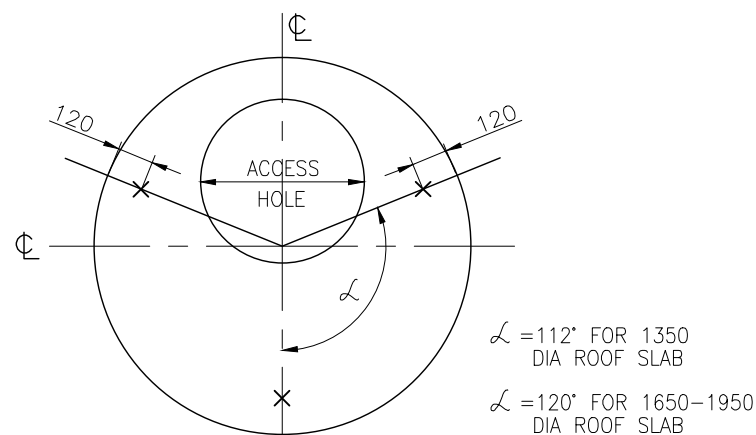
FOR USE IN RAISING COVERS AND
 FRAMES OF EXISTING MANHOLES



BAR No.	SHAPE	'a'	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1200	1425	1	1425
2		1400	1625	1	1625
3		1500	1725	1	1725
4		1537	1775	1	1775
5		1450	1675	2	3350
6		1300	1525	2	3050
7		1050	1275	2	2550
8		700	2600	1	2600
9		1500	5150	1	5150
TOTAL					23250

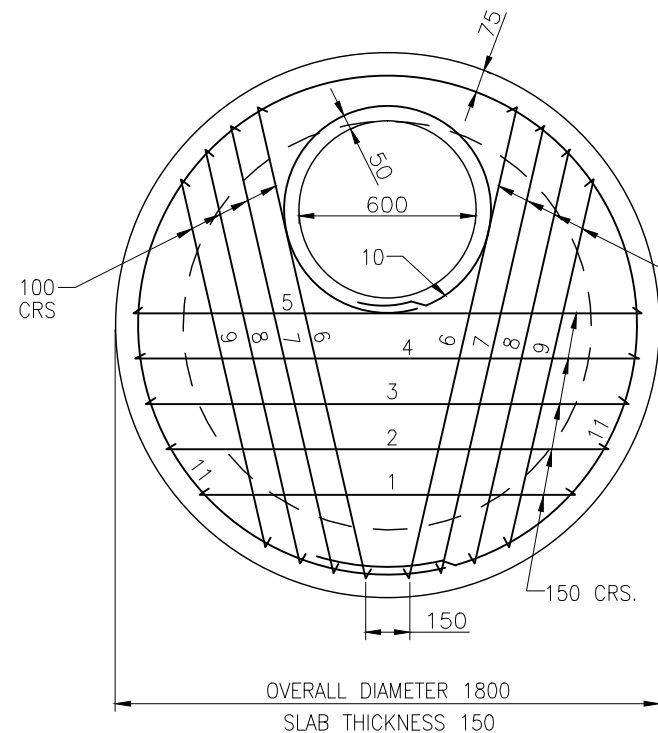
STEEL MASS : 24kg
 CONCRETE : 0.3m³
 TOTAL MASS : 705kg

**1650 DIA
 M.H. ROOF SLAB
 (FOR 1200 I.D. MANHOLES)**



LIFTING ANCHOR LOCATIONS

(SEE NOTE No. 5)



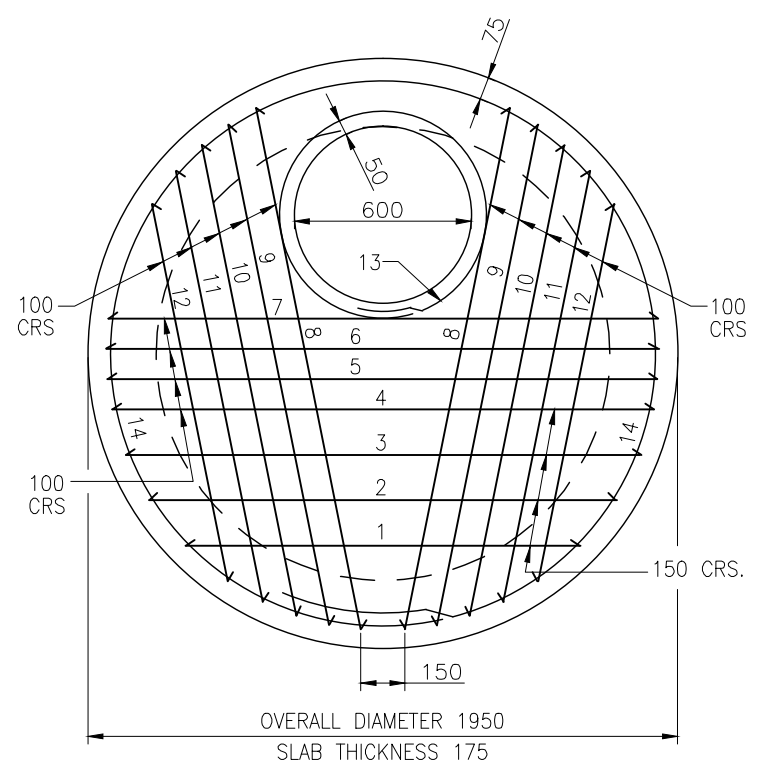
BAR No.	SHAPE	'a'	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1275	1500	1	1500
2		1488	1725	1	1725
3		1612	1850	1	1850
4		1675	1900	1	1900
5		1675	1900	1	1900
6		1600	1825	2	3650
7		1525	1750	2	3500
8		1412	1650	2	3300
9		1262	1500	2	3000
10		700	2600	1	2600
11		1650	5625	1	5625
TOTAL					30550

STEEL MASS : 31kg
 CONCRETE : 0.35m³
 TOTAL MASS : 830kg

**1800 DIA
 M.H. ROOF SLAB
 (FOR 1350 I.D. MANHOLES)**

NOTES:

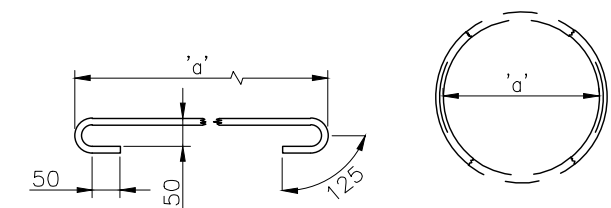
- ALL BARS 12 DIA - STRUCTURAL GRADE (400Y) TO AS 1302.
- CONCRETE CLEAR COVER 30 (BOTTOM FACE).
- PRECAST CONCRETE TO BE GRADE N40 CONFORMING TO AS 3600.
- DESIGN LOADING AUSTRROADS W7.
- EACH LIFTING ANCHOR TO BE "SWIFTLIFT" OR EQUIVALENT. 1.3 TONNE, GALVANISED AND FITTED TO MANUFACTURERS SPECIFICATION.
- DIMENSIONS IN MILLIMETRES (UNO).



BAR No.	SHAPE	'a'	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1337	1575	1	1575
2		1575	1800	1	1800
3		1712	1950	1	1950
4		1800	2025	1	2025
5		1825	2050	1	2050
6		1837	2075	1	2075
7		1825	2050	1	2050
8		1762	2000	2	4000
9		1700	1925	2	3850
10		1600	1825	2	3650
11		1462	1700	2	3400
12		1275	1500	2	3000
13		700	2600	1	2600
14		1800	6100	1	6100
TOTAL					40125

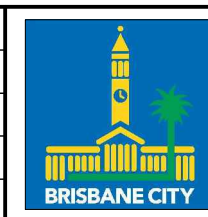
STEEL MASS : 40kg
 CONCRETE : 0.5m³
 TOTAL MASS : 1015kg

**1950 DIA
 M.H. ROOF SLAB
 (FOR 1500 I.D. MANHOLES)**



ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
A	ORIGINAL ISSUE	OCT '13	OCT '13	OCT '13

DRAWING AUTHORISED FOR PUBLICATION B.BALL SIGNATURE ON ORIGINAL DATED 29/06/01				DESIGN	STD DWG GROUP	DATE	APR '01
MANAGER ASSET SUPPORT - R.P.E.O. 3852				DRAWN	CITY DESIGN	DATE	APR '01
DESIGN APPROVED B.HANSEN SIGNATURE ON ORIGINAL DATED 27/06/01				CHECKED	M.STEER	DATE	MAY '01
PRINCIPAL ASSET OFFICER ROADS AND DRAINAGE				DRAWING FILENAME	BSD-8023.dwg		
				ASSOCIATED PLANS	SUPERSEDES UMS-322		



BRISBANE CITY COUNCIL STANDARD DRAWING	
MANHOLE ROOF SLAB 1350 TO 1950 DIAMETER	
SCALE NOT TO SCALE	DWG No. BSD-8023
ORIGINAL SIZE A3	REVISION A