

BAR NO.	SHAPE	'a'	OVERALL LENGTH	NO. OFF	TOTAL LENGTH
1		937	1175	1	1175
2	[hook]	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	[circle]	700	2300	1	2300
8		1200	4200	1	4200
MASS 430kg.			TOTAL		17725

STEEL TO 1050 Dia M.H.

BAR NO.	SHAPE	'a'	OVERALL LENGTH	NO. OFF	TOTAL LENGTH
1		1200	1425	1	1425
2	[hook]	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	[circle]	700	2300	1	2300
9		1500	5150	1	5150
MASS 705kg.			TOTAL		22950

STEEL TO 1200 Dia M.H.

BAR NO.	SHAPE	'a'	OVERALL LENGTH	NO. OFF	TOTAL LENGTH
1		1275	1500	1	1500
2	[hook]	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	[circle]	700	2300	1	2300
11		1650	5625	1	5625
MASS 830kg.			TOTAL		30250

STEEL TO 1350 Dia M.H.

BAR NO.	SHAPE	'a'	OVERALL LENGTH	NO. OFF	TOTAL LENGTH
1		1337	1575	1	1575
2	[hook]	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	[circle]	700	2300	1	2300
14		1800	6100	1	6100
MASS 1015kg.			TOTAL		39825

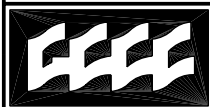
STEEL TO 1500 Dia M.H.

NOTES:

- ALL REINFORCING TO BE D500N12 BARS TO AS/NZS 4671:2001.
- CONCRETE CLEAR COVER 45 (BOTTOM FACE)
- CONCRETE TO BE GRADE N40 TO AS.1379.
- DESIGN LOADING N.A.S.R.A. A14.
- WIDTH OF BEARING

$\phi 1050$ M.H.	- 150
$\phi 1200$ M.H.	- 225
$\phi 1350$ M.H.	
$\phi 1500$ M.H.	
- PRECAST PROPRIETARY MANHOLE ROOFS AND RINGS APPROVED BY COUNCIL MAY BE USED.
- EACH LIFTING ANCHOR TO BE 'SWIFTLIFT' OR EQUIVALENT 1.3 TONNE, GALVANISED TO AS/NZS 4680 AND FITTED TO MANUFACTURERS' SPECIFICATIONS AT POINTS SHOWN 'X'.
- DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

* 100 CRS
**150 CRS



GOLD COAST CITY COUNCIL
PO BOX 5042
GOLD COAST MC 9729

THIS DRAWING IS NOT TO BE AMENDED WITHOUT REFERENCE TO STANDARDS COMMITTEE				CONTROLLED DOCUMENT
No.	AMENDMENT	APPROVED	DATE	ISSUED

DO NOT SCALE TAKE FIGURED DIMENSIONS ONLY	
DRAWN BY	TECHNICAL SERVICES BRANCH
PASSED	18/03/04
APPROVED	18/03/04

STANDARD DRAWING

STORMWATER MANHOLE
1050 Dia TO 1500 Dia ROOF SLABS

MICROFILMED
STANDARD DRAWING No. 05-03-102
ISSUE 2005 EDITION