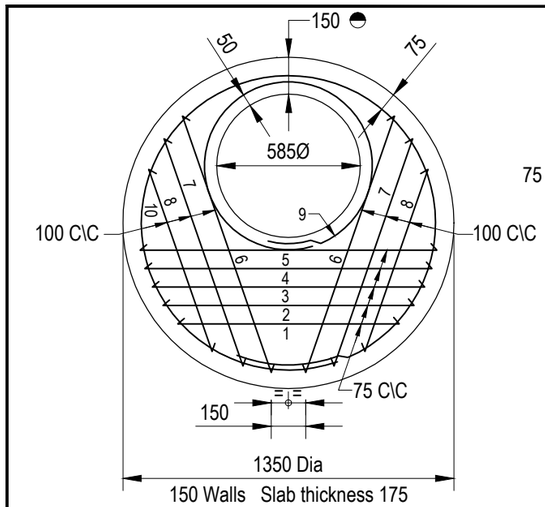
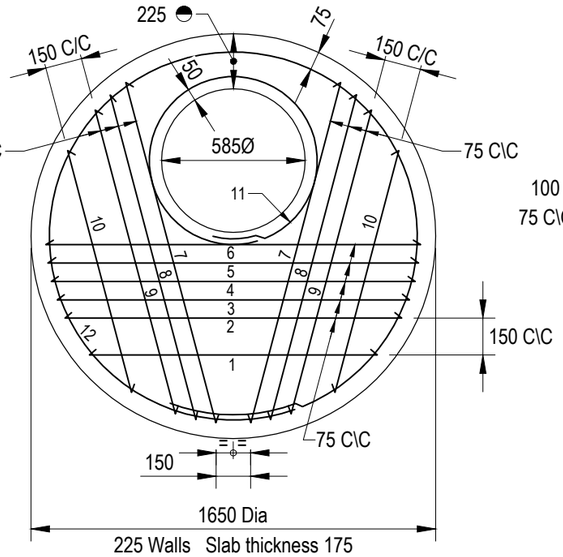


150 Walls Slab thickness 175

BAR No.	SHAPE	a/b	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		937	1175	1	1175
2		1030	1255	1	1255
3		1125	1350	1	1350
4	a	1175	1400	1	1400
5		1225	1450	1	1450
6		1125	1350	2	2700
7		1000	1225	2	2450
8		812	1050	2	2100
9	b	685	2550	1	2550
10		1200	4200	1	4200
				TOTAL	20630

Steel Mass: 19kg
Concrete: 0.20m^3
Total Mass: 508kg

1050 DIA ACCESS CHAMBER

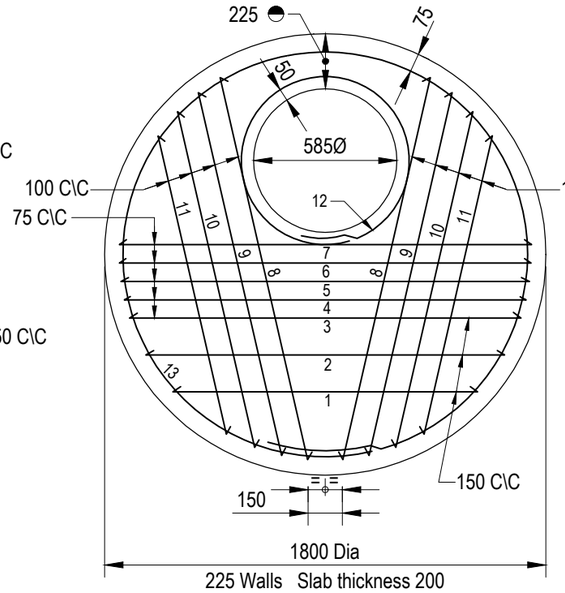


225 Walls Slab thickness 175

BAR No.	SHAPE	a/b	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1200	1425	1	1425
2		1400	1625	1	1625
3		1450	1675	1	1675
4		1500	1725	1	1725
5	a	1520	1745	1	1745
6		1537	1775	1	1775
7		1450	1675	2	3350
8		1375	1600	2	3200
9		1300	1525	2	3050
10		1050	1275	2	2550
11	b	685	2550	1	2550
12		1500	5150	1	5150
				TOTAL	23200

Steel Mass: 27kg
Concrete: 0.33m^3
Total Mass: 818kg

1200 DIA ACCESS CHAMBER

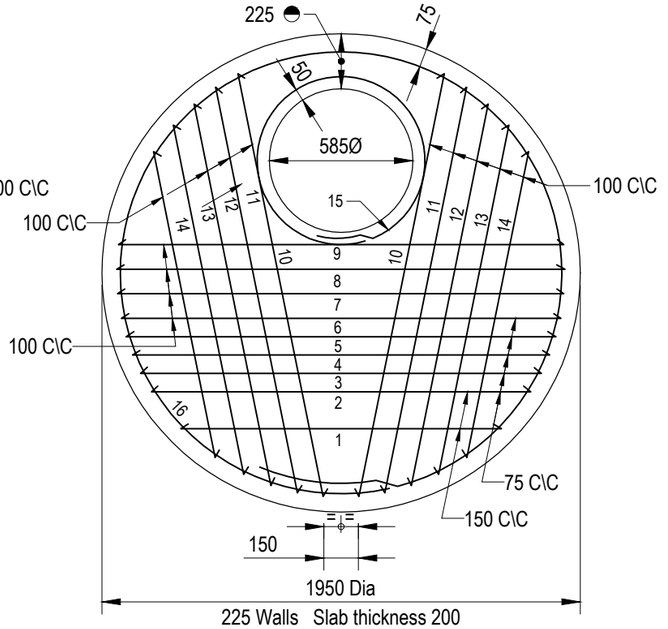


225 Walls Slab thickness 200

BAR No.	SHAPE	a/b	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1275	1500	1	1500
2		1488	1725	1	1725
3		1612	1850	1	1850
4		1645	1870	1	1870
5	a	1675	1900	1	1900
6		1675	1900	1	1900
7		1675	1900	1	1900
8		1600	1825	2	3650
9		1525	1750	2	3500
10		1412	1650	2	3300
11		1262	1500	2	3000
12	b	685	2550	1	2550
13		1650	5625	1	5625
				TOTAL	34270

Steel Mass: 31kg
Concrete: 0.45m^3
Total Mass: 1138kg

1350 DIA ACCESS CHAMBER

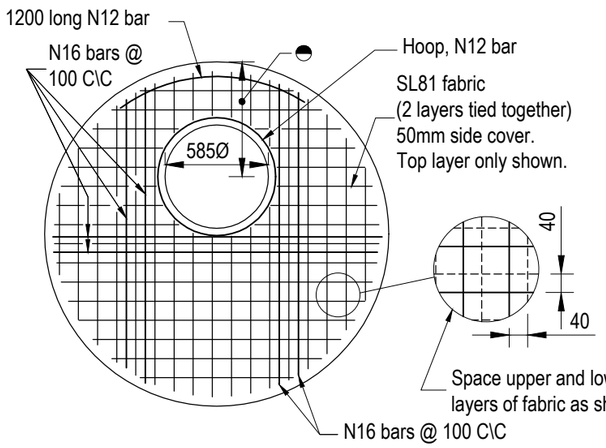


225 Walls Slab thickness 200

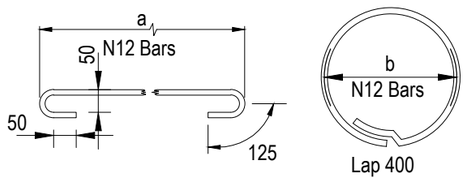
BAR No.	SHAPE	a/b	OVERALL LENGTH	No. OFF	TOTAL LENGTH
1		1337	1575	1	1575
2		1575	1800	1	1800
3		1645	1870	1	1870
4		1712	1950	1	1950
5		1756	1980	1	1980
6		1800	2025	1	2025
7	a	1825	2050	1	2050
8		1837	2075	1	2075
9		1825	2050	1	2050
10		1762	2000	2	4000
11		1700	1925	2	3850
12		1600	1825	2	3650
13		1462	1700	2	3400
14		1275	1500	2	3000
15	b	685	2550	1	2550
16		1800	6100	1	6100
				TOTAL	43925

Steel Mass: 39kg
Concrete: 0.55m^3
Total Mass: 1360kg

1500 DIA ACCESS CHAMBER



FABRIC REINFORCMENT ALTERNATIVE



REINFORCEMENT DIMENSIONS

FABRIC REINFORCED SLAB

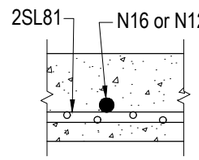
NOM DIA	ROOF THICKNESS
1050	175
1200	175
1350	200
1500	250

LEGEND:

- Offset to access hole varies:
  - -Hole in line with chamber wall, or
  - -Hole offset from wall 460mm

NOTES:

1. Concrete N40 in accordance with AS 1379 and AS 3600.
2. Reinforcement cover 30 MIN (bottom cover).
3. Reinforcement: SL81 Fabric to AS/NZS 4671.
   Bars N12 and N16, Grade 400 to AS ISO 1302.
4. Refer Std Dwg No. CMDG-D-030 (Access Chamber Details - Dia 1050 to 1500) for lifting anchor locations and details.
5. Roof design based on Austroads bridge code, W7 wheel load, dynamic factor 0.4.
6. All dimensions in millimetres.



ROOF SECTION

APPLICABILITY TABLE							
Council	**BSC**	**CHRC**	**GRC**	**IRC**	**LSC**	**MRC**	**RRC**
Applicable	Yes	Yes	Yes	Yes	Yes	Yes	Yes

REVISIONS		DATE
E	REINFORCING DETAILS AMENDED	12/2017
D	IRC ADDED	12/2016
C	GRC AND LSC ADDED	09/2014
B	MRC ADDED	04/2011
A	POST AMALGAMATION REVIEW	01/2010

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Capricorn Municipal Development Guidelines

Incorporating:

Banana Shire Council (BSC)
Central Highlands Regional Council (CHRC)
Gladstone Regional Council (GRC)
Isaac Regional Council (IRC)
Livingstone Shire Council (LSC)
Maranoa Regional Council (MRC)
Rockhampton Regional Council (RRC)

ACCESS CHAMBER ROOF SLAB DIA 1050 TO 1500

DRAINAGE
STANDARD DRAWING
CMDG-D-031
REV. A B C D E