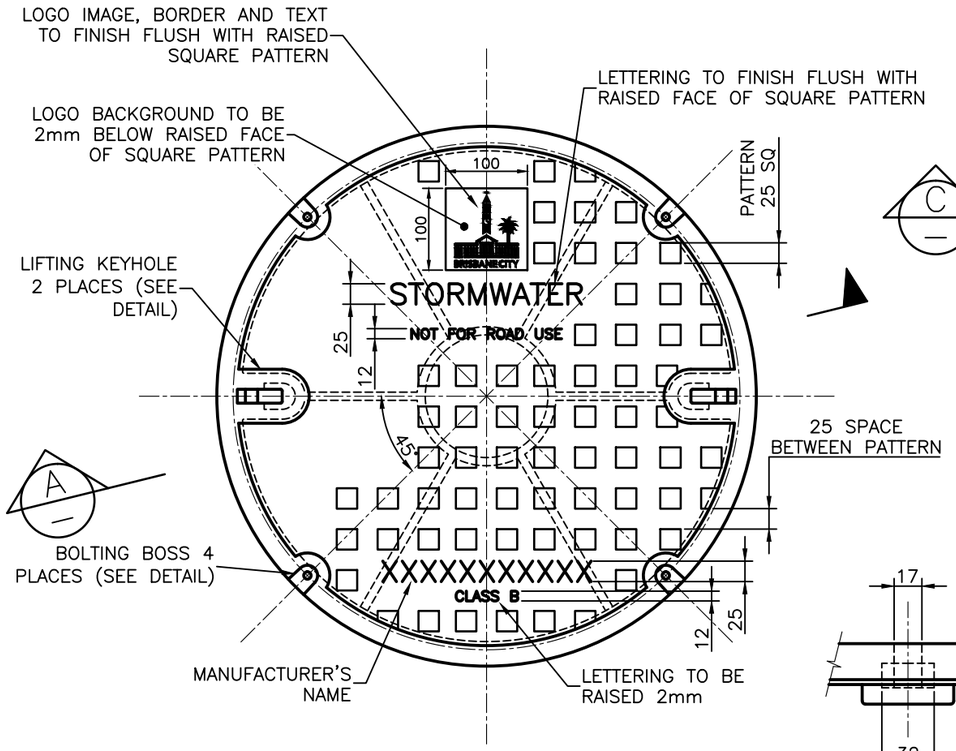
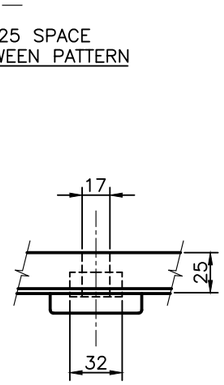
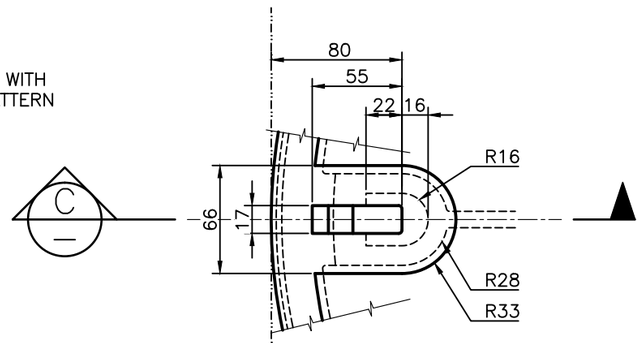



PLAN




END ELEVATION

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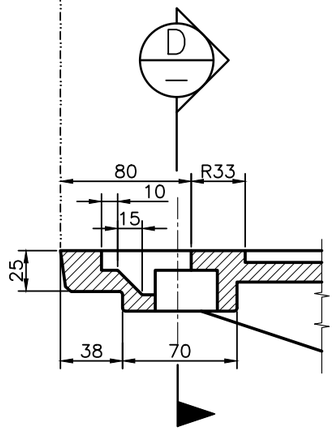
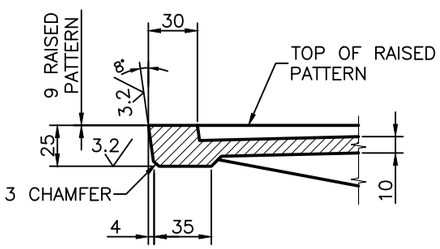
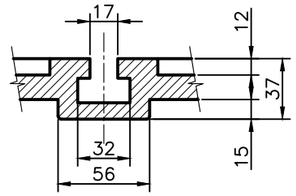


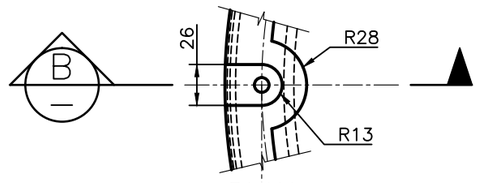

SECTION C
SCALE NTS



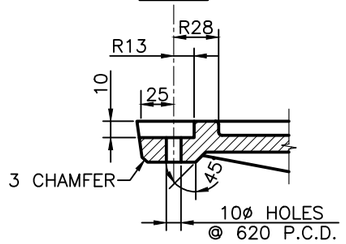

TYPICAL EDGE DETAIL




SECTION D
SCALE NTS



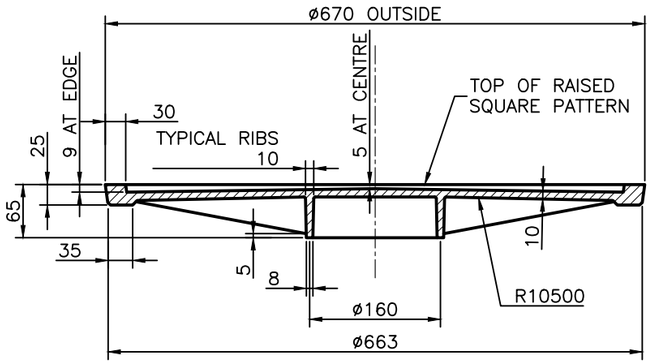

PLAN




SECTION B
SCALE NTS

LIFTING KEYHOLE DETAIL

BOLTING BOSS DETAIL




SECTION A
SCALE NTS

## NOTES:

1. THIS DRAWING IS FOR USE IN NON COMMERCIAL LOADING APPLICATIONS WHERE VEHICLE LOADS ARE LESS THAN 3.5t.
2. ALL EDGES TO BE SQUARE.
3. CASTING TO BE FREE OF BURRS AND PITS.
4. MATERIAL

   DUCTILE CAST IRON
   TENSILE STRENGTH: 600–3 (AS 1831)
   HARDNESS: 145–185 (HB)
   DESIGN LOAD = 80kN (AS 3996)
   MASS = 39Kg
5. TOLERANCES
   CAST SIZE: ±1.00mm
   ANGLE PROFILE: ±0.25°
   MACHINED SIZE: ±0.125mm
   OVERALL DIAMETER OF COVER: +0mm–0.25mm
   DRY FILM THICKNESS (DFT) OF COATING: 50µm
6. MACHINE SURFACE SYMBOL: 3.2
7. ALL MACHINED SURFACES SHALL HAVE A COATING APPROVED AS FIT FOR THE PURPOSE OF PROVIDING A RUST PROOF, NON–STICK AND GAS/WATER PROOF JOINT. (HAVTEC–HS1 OR SIMILAR)
8. LIDS TO BE BOLTED DOWN IF DIRECTED BY DESIGNER.
9. DIMENSIONS IN MILLIMETRES (UNO).

| ISSUE | AMENDMENT | DRAWN DATE | CHK'D DATE | APPR'D DATE |
|---|---|---|---|---|
| | | | | |
| C | Notes 3 & 5 Amended | DJL 12/09 | GM 03/10 | GB 04/10 |
| B | Council Logo on Cover Updated | DJL 02/09 | GB 09/09 | PC 9/09 |
| A | ORIGINAL ISSUE | April '01 | May '01 | June '01 |

DESIGN AUTHORISED FOR ISSUE
B. BALL SIGNATURE ON ORIGINAL
DATED 29/6/01
MANAGER ASSET SUPPORT - R.P.E.Q: 3, 8, 5, 2
DESIGN APPROVED
B. HANSEN SIGNATURE ON ORIGINAL
DATED 27/6/01
PRINCIPAL ASSET OFFICER ROADS & DRAINAGE

| | | | |
|---|---|---|---|
| DESIGN | STD DWG GROUP | DATE | April '01 |
| DRAWN | CITY DESIGN | DATE | April '01 |
| CHECKED | M. STEER | DATE | May '01 |
| DRAWING FILENAME | \UMS 325 | | |
| ASSOCIATED PLANS | SUPERSEDES WS 51-9 | | |

BRISBANE CITY

**BRISBANE CITY COUNCIL STANDARD DRAWING**

# MANHOLE COVER (NON–ROADWAY) 1050 TO 1500 DIAMETER

SCALE: NOT TO SCALE
DWG No.: UMS 328
ORIGINAL SIZE: A3
REVISION: C

16/02/2011 2:59:56 PM, (C) Copyright Brisbane City Council 2011