



**NOTES:**

1. The type & spacing for pedestrian gratings shall be as follows:

DRAIN WIDTH (mm)	DRAIN DEPTH (m)	TYPE OF GRATING (mm)	SPACING (m)
600 - ≤ 750	-	700 x 850	6
> 750 - < 2000	≤ 1	850 x 1000	6
	> 1		18
2000 - 4000	-	850 x 1000	(Staggered) 50
	-	1500 x 1500	500

2. The grating must be able to be opened more than 106°.

- Gratings and frames are to be shop fabricated and all weld slugs to be removed.
- The complete assembly except fishtails are to be galvanised by hot-dip galvanising process in accordance with ISO 1461:2009.
- For internal drain width > 4m, pedestrian grating shall be provided in accordance with PUB's Latest Code of Practice for Surface Water Drainage.
- For grating of size > 850mm x 1000mm, it shall be designed by Professional Engineer. The grating design / testing shall conform to SS 363.
- Light weight concrete of LC 25/30 shall be used for the concrete in-fill.
- Similar light weight concrete as specified in note 7 may be used as directed by S.O.

**STANDARD DETAIL**

PEDESTRIAN CONCRETE  
IN-FILL GRATING  
FOR SUMP / DRAIN

REV.	DATE
C	APR 2019
B	SEP 2017
A	OCT 2015



DRAWING NO.	LTA/SDRE14/4/GRA2	REV.	C
DATE OF ISSUE	1st APR 2014	SCALE	AS SHOWN
SHEET NO.	1 OF 1		