

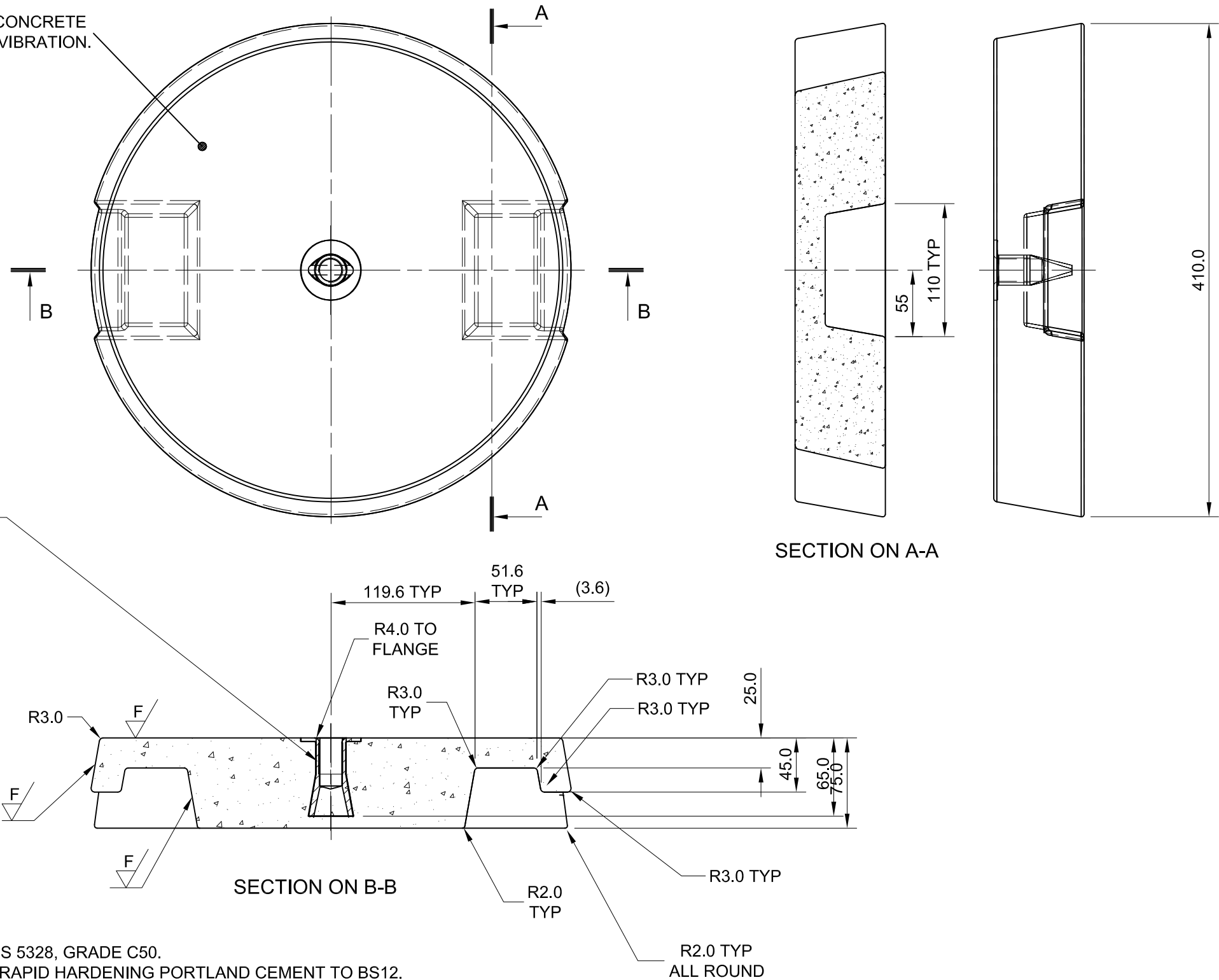
IF IN DOUBT ASK

CAST BASE USING THE SPECIFIED CONCRETE MIX. REMOVE ALL AIR BUBBLES BY VIBRATION. SEE NOTE 1 FOR CONCRETE MIX

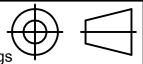
25 DIA x 4 mm THK MILD STEEL TUBE. TAPPED M20 x 30 DEEP, CRIMPED FLAT AT ONE END, AND 50 DIAMETER FLANGE TO OTHER GALVANISED. SEE NOTE 2

NOTES:

1. CONCRETE SPECIFICATION:
UNREINFORCED CONCRETE MIX BS 5328, GRADE C50.
MIN CEMENT CONTENT: 365Kg/M RAPID HARDENING PORTLAND CEMENT TO BS12.
MAX FREE WATER RATIO : 0.45
AGGREGATE CEMENT MIX: 5:1:1 COURSE AGGREGATE 10mm SINGLE SIZE TO BS 882
WORKING: 60mm SLUMP
COMPRESIVE STRENGTH AT 28 DAYS TO BE 50N/mm.
2. TAPPED MILD STEEL TO BE CAST IN POSITION AS SHOWN
3. FINISH:
ALL VISIBLE SURFACES MARKED ∇ AND INSIDE FACES OF HAND GRIPS TO BE FLAT, SMOOTH AND FREE FROM AIR BUBBLES, PITTING AND OTHER SURFACE IMPERFECTIONS.
4. COLOUR:
ALL SURFACE COLOUR SHOULD EVEN THROUGHOUT.
5. DRAUGHT ANGLES TO BE 10 DEGS. UNLESS OTHERWISE STATED.
6. APPROX. WEIGHT - 18.5 Kgs.



Do not scale
All dimensions in millimetres
Do not manually alter CAD drawings



IMPORTANT OPERATIONAL AND SAFETY NOTES:

SAFE LIFTING:
HAND GRIPS ARE PROVIDED FOR MINOR MANIPULATION ONLY.

ALTHOUGH LIGHTER THAN THE ORIGINAL CONCRETE TEMPORARY BUS STOP BASE, THIS NEW ERGO CONCRETE BASE STILL FALLS OUTSIDE THE RECOMMENDED SAFE LIFTING LEVELS.

USE ONLY IN CONJUNCTION WITH ALL RELEVANT OPERATOR GUIDELINES AS SUPPLIED AND APPROVED BY LONDON TRANSPORT BUSES APPOINTED HEALTH AND SAFETY OFFICERS.

WIND LOADING:
OWING TO A REDUCTION IN BASE WEIGHT A TEMPORARY BUS STOP STRUCTURE WITH A NEW STYLE ERGO BASE WILL NOT BE AS STABLE IN HIGH WIND SITUATIONS AS ITS PREDECESSOR. THE WIND SPEED REQUIRED TO TOPPLE OR MAKE THE STRUCTURE UNSTABLE WILL BE REDUCED.

IT IS THE RECOMMENDATION OF THE DESIGNERS THAT A TEMPORARY BUS STOP FITTED WITH A NEW ERGO BASE SHOULD BE WIND TUNNEL TESTED TO ESTABLISH ITS BEHAVIOURAL CHARACTERISTICS BEFORE ADOPTION.

C	25-01-14	ADDED FLANGE TO STEEL INSERT
B	15-09-03	FIRST ISSUE
	Date	Revision

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TEMPORARY BUS STOP STANDARD DRAWING

Title

CONCRETE ERGO BASE
- CASTING DETAIL

CALMS code	
© copyright TFL	Design drawn on behalf of TFL by Trueform Engineering Ltd.
Drawn RFG	Checked JM
Scale 1:4	Date 15/09/03
Drawing no. LBSL 875/01/001	Rev C