

# BTI

*Engineering Movement.  
Powering Industry.*

6

## *TURNTABLES for Vehicle Access*



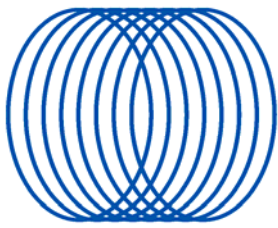
**Client:** Kyle Stewart Ltd, Installed at 33 Old Broad Street, Central London

**Synopsis:** With only a single access point to the underground parking and service area of this city centre location, British Turntable was called in to provide an effective solution to the difficulties of providing a management system for refuse vehicles collecting from the site.

A 6 metres diameter, 16 tonne capacity vehicle access turntable was designed and installed, enabling vehicles to be rotated into position, saving time on deliveries and eradicating the need for multi-point turns. The dangers of reversing vehicles into busy congested roads was also overcome, allowing vehicles to be driven safely into and out of the limited access area.

The turntable also provided access to 2 car lifts servicing the sub-basement level of the building. In order to accommodate the limited headroom at the lower level, British Turntable designed the revolve to a particularly low height, requiring a pit depth of only 450mm.

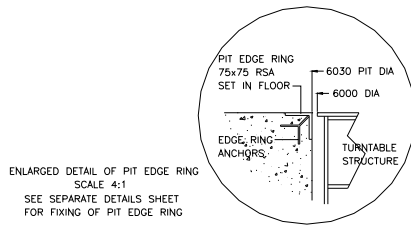
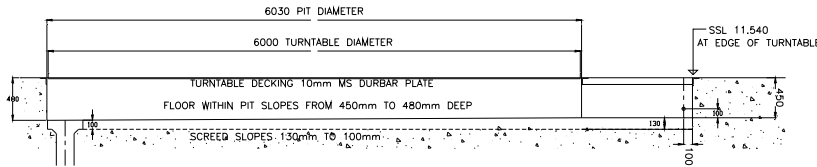




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## TURNTABLE SPECIFICATION



NOTES

THE PIT WALLS & BASE TO HAVE A CONCRETE TROWELLED FINISH THE SURFACE FINISH SHOULD BE "SEALED" SO THAT WATER RUNS CLEANLY TO THE DRAIN GULLY IN PIT FLOOR

ALL STEELWORK TO BE ZINC METAL SPRAYED AND SEALED DECK SURFACE TO BE FINISHED IN BLACK

DRAINAGE REQUIRED IN TURNTABLE PIT TYPICALLY AS SHOWN ON DRG 27799/ST/104/H

ONE CONDUIT REQUIRED TO FEED CONTROL CABLES INTO TURNTABLE DRIVE PIT AS SHOWN

POWER SUPPLY REQUIRED 415V 3PH 50HZ FOR DRIVE MOTOR MOTOR MOUNTED ON ANTI VIBRATION PADS FOR QUIET OPERATION  
MAX RUNNING CURRENT 4.49 AMPS  
MAX STARTING CURRENT 28.65 AMPS

TURNTABLE SPEED = 1 RPM

FLASHING WARNING BEACON & MULTI TONE ELECTRONIC SOUNDER FOR AUDIBLE & VISUAL WARNING OF TURNTABLE ROTATION IS PROVIDED AS PART OF THE CONTROL SYSTEM

B.T.C. WORKS No. S 33824	GENERAL TOLERANCE : +/- 1 mm
ALL DIMENSIONS ARE IN MILLIMETRES(mm) UNLESS OTHERWISE STATED	
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TITLE: GENERAL ARRANGEMENT OF TURNTABLE PIT & SITE LAYOUT FOR KYLE STEWART LTD	
3rd ANGLE PROJECTION	BRITISH TURNTABLE Co.LTD EMBLEM ST WORKS EMBLEM STREET BOLTON, LANC'S ENGLAND, BL3 5BW TEL No.(01204) 525626
DRAWN BB	CHECKED DW
DATE 22-03-96	SCALE(A1) 1 : 20
APP'VD DH	DRAWING No. BT2240
	ISSUE 2

**Construction:** All steel construction, perimeter wheel support design, fitted into pit.

**Diameter:** 6 metres

**Capacity:** 16 Tonnes

**Height:** 450mm

**Speed:** 1rpm fixed speed fwd/rev

**Motor:** Synchronous 3 Phase, 1.5kw

**Control:** Stop/Start push button control box mounted on adjacent wall, operable by building personnel.

**Drive:** Electric Peripheral Friction Wheel Drive

**Features:** Flashing warning beacon and multi-tone electronic sounder provided for audible and visual warning of turntable rotation, provided as part of the control system.

In the unlikely event of power failure, manual rotation of the turntable is achieved through inserting manual barring handles into holes located near the perimeter of the main frame.

**Finish:** All steelwork zinc metal sprayed and sealed for corrosion protection. 10mm durbar decking finished in black.

