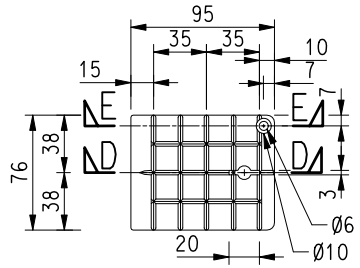
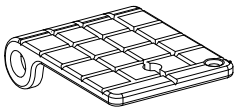
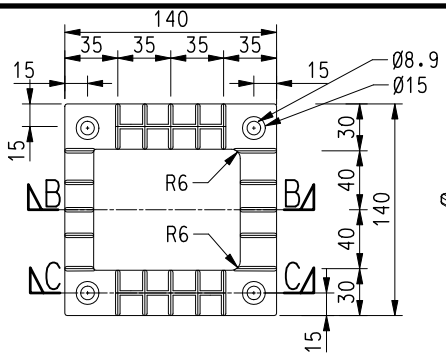
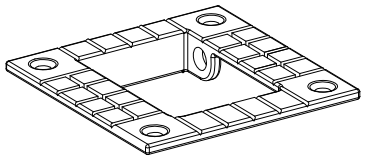
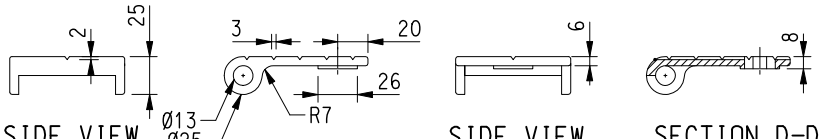


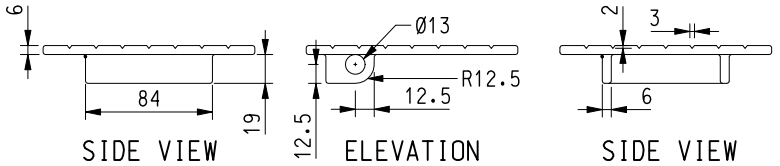
TOP VIEW

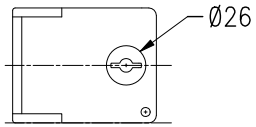


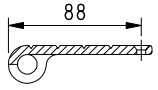




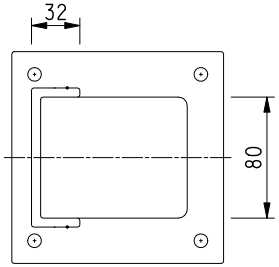


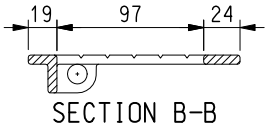


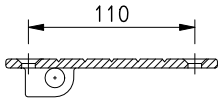




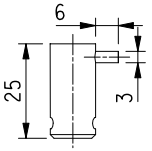
DETAIL '6'

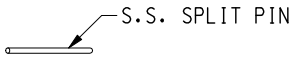


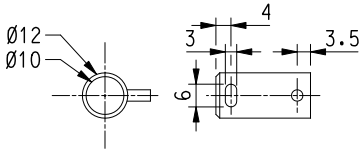




DETAIL '7'

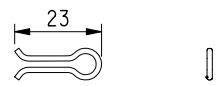






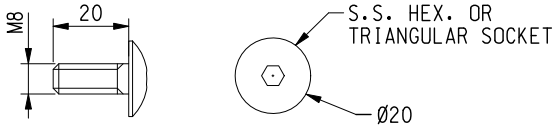
DETAIL '10'

SCALE 1:2



DETAIL '11'

SCALE 1:2



DETAIL '9'

SCALE 1:2

Notes:
1. All dimensions are in millimetres.
2. Unless specified otherwise, all edges with fillet or chamfer in R1.5.
3. Galvanised tube shall be light series to B.S. 1387.
4. All cast GMS post, bollard housing & cover plate to BS 4360 grade 43.
5. All GMS metal work including posts and railing panels after fabrication and welding are to be hot dip galvanized to BS EN ISO 1461:1999.
6. Cut paver around bollard base neatly with no greater than 2mm gap; localized cement mortar bedding may be used to stabilize cut pavers but ensure no surface of pavers will be stained with mortar.
7. All welding to be 6mm fillet weld.
8. Any welding slag shall be removed with a chipping hammer and the welds shall be vigorously wire brushed and protected by two coats of zinc rich paint to BS 4652.
9. If the construction of the footing would require diversion of utilities, the footing size may be amended subject to the approval of the engineer to avoid or minimize such diversion.
10. Where the concrete footing is located in block paved footpath, the footing should be lowered to allow for the paving blocks and the sand course.
11. Expansion joint details see Drg. No.H2134F.
12. In fabricating the perimeter of the railing panel, a max. of one welded joint is allowed on each vertical side adjoining the post. The weld shall be single-V butt weld, and be located in between two connection bolts, at distance not less than 125mm from either bolt. No jointing for the perimeter is allowed on the top or bottom side.
13. Details of railing panel refer to HyD standard drg. H2130D and H2132D.
14. All split pin, nuts, bolts and washers are to be stainless steel material grade 316.

REF.	REVISION	SIGNATURE	DATE
	New Issue		Sept 09

REMOVABLE BOLLARDS AND RAILINGS (SHEET 4 OF 4)

HIGHWAYS DEPARTMENT

REFERENCE	DRAWING No.	CAD
	H 2262	
SCALE 1 : 5 or as shown		