

TYPE 1  
VERGE  
(Traffic face)

TYPE 2  
SLIP ROAD VERGE  
(Traffic face)

TYPE 3 (see note 4)  
MOTORWAY VERGE AT  
EMERGENCY CROSSING POINT  
(Traffic face)

TYPES 1 & 3  
(Road face)

- NOTES
1. ALL DIMENSIONS ARE IN MILLIMETRES.
  2. Posts are to be located 300 to 400 outside of hardshoulder/hardstrip.
  3. Posts are to be spaced at 100m intervals along the Motorway.
  4. Type 3 posts to replace Type 1 posts on both approaches to emergency crossing point.
  5. Post faces are to be white except when shown otherwise
  6. Posts are to have PVC closed or capped tops.
  7. Type 3 post (as shown) to be fixed 300m from centre of crossing. Similar post but with lowest disc omitted to be fixed 200m from centre of crossing and a further post but with the lowest two discs omitted to be  $\leq 100$ m from the crossing point.
  8. See Drawing No. E3 for details of telephone symbol and arrow.
  9. See Drawing No. E2 for post and socket section details.

HIGHWAY CONSTRUCTION DETAILS

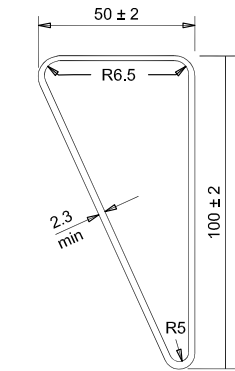
DISTANCE  
MARKER POSTS

A	DEC 91
Issue	Date

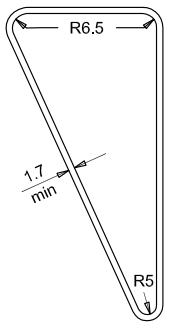
GROUND SOCKET MOUNTED  
POSTS  
TYPES 1, 2 AND 3

Drawing No.

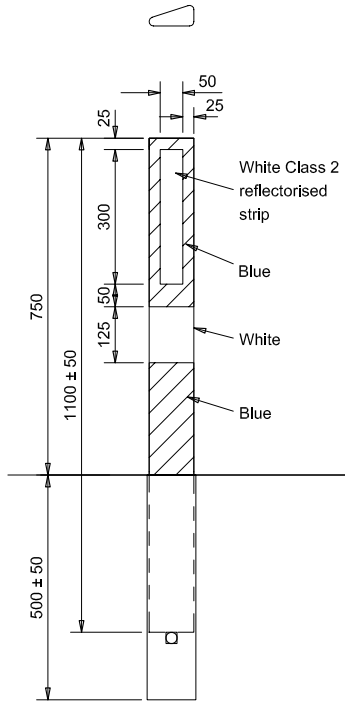
E1



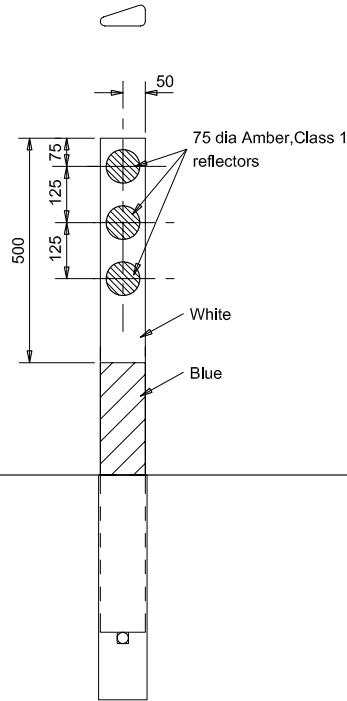
TYPES 1 TO 5  
POST SECTION



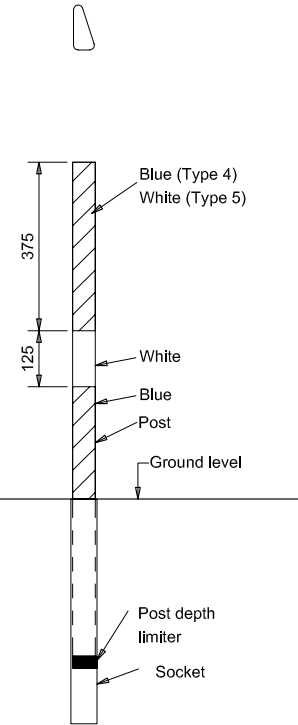
TYPES 1 TO 5  
SOCKET SECTION



**TYPE 4**  
**CENTRAL RESERVE**  
(With no safety barrier)  
**AND SLIP ROAD OFFSIDE**  
(Both traffic faces)



**TYPE 5**  
**CENTRAL RESERVE**  
(With no safety barrier)  
**AT EMERGENCY CROSSING POINT**  
(Both traffic faces)



**TYPES 4 & 5**  
(Both road faces)

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. Posts are to be located on the centre-line of central reserves and 300 to 400 from the edge of carriageway/hardstrip on the offside of slip roads.
3. Type 5 posts to be installed on both approaches to emergency crossing point.
4. Posts are to be spaced at 100m intervals along Motorway.
5. Departure face of Type 5 post to be as Type 4 post.
6. Type 5 post (as shown) to be fixed <300m from centre of crossing. Similar post but with lowest disc omitted to be fixed <200m from centre of crossing and a further post with the lowest two discs omitted to be fixed <100m from the crossing point.
7. Post and socket sections to be similar triangular profiles with socket providing close fitting support for post.
8. Posts are to have PVC closed or capped tops.

HIGHWAY CONSTRUCTION DETAILS

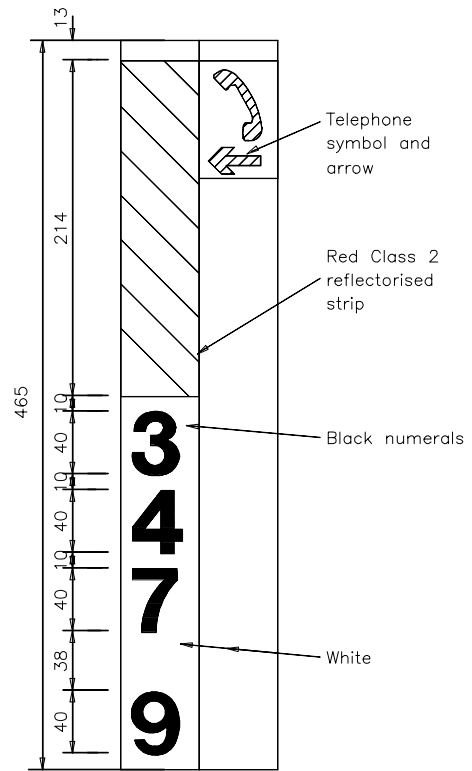
DISTANCE  
MARKER POSTS

B	NOV 06
A	DEC 91
Issue	Date

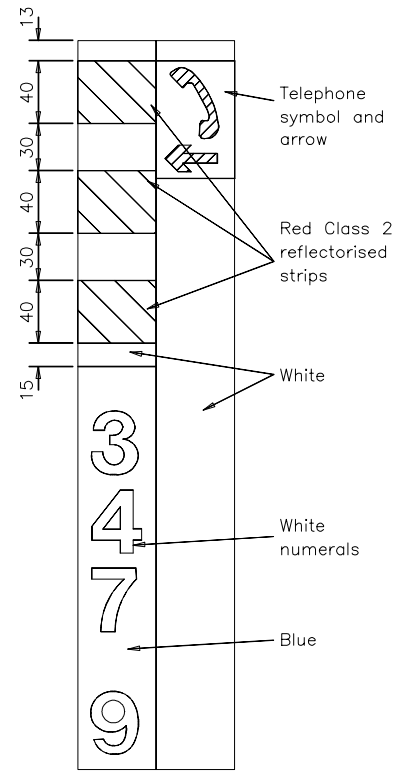
GROUND SOCKET MOUNTED  
POSTS  
TYPES 4 AND 5

Drawing No.

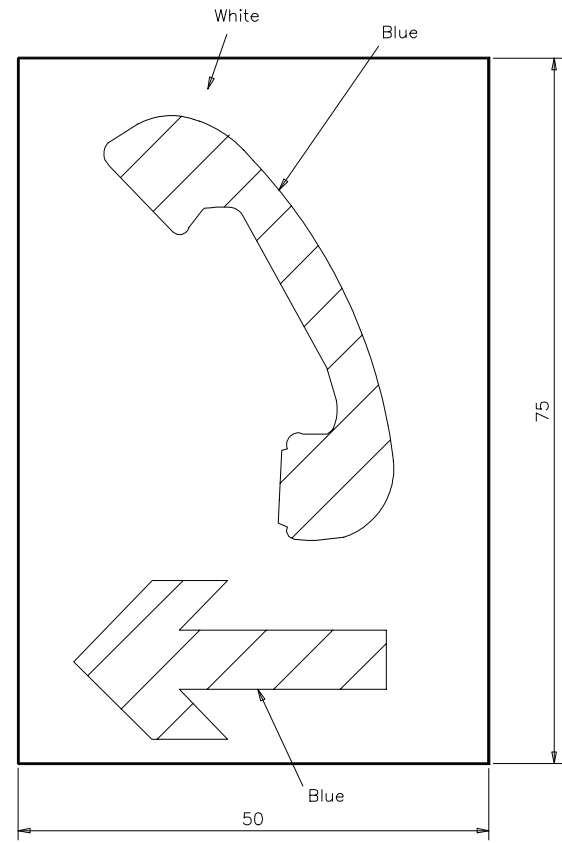
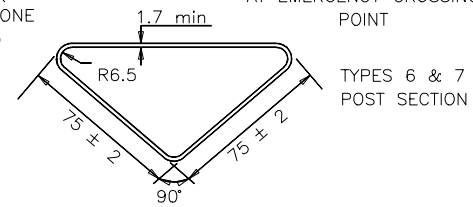
E2



TYPE 6  
VERGE  
& SLIP ROAD VERGE (WITH  
NUMERALS & TELEPHONE  
SYMBOL OMITTED)



TYPE 7  
VERGE  
AT EMERGENCY CROSSING  
POINT

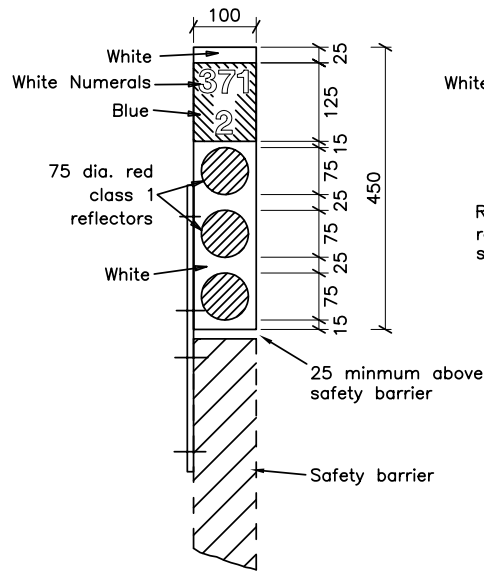


TELEPHONE SYMBOL & ARROW

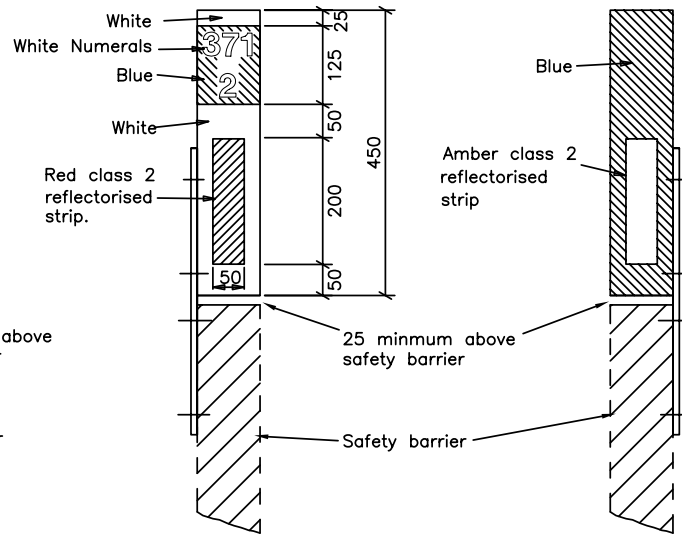
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. Location of posts to be 50 below top of parapet or 450 above verge level in tunnels or on retaining walls
3. Type 7 posts to replace Type 6 posts on both approaches to emergency crossing point.
4. Type 7 post (As shown) to be fixed 4300m from centre of crossing. Similar post but with lowest red strip omitted to be fixed 4200m from centre of crossing and a further post with lowest two red strips omitted to be fixed 4100m from centre of crossing.
5. Posts are to have PVC closed or capped tops.
6. Posts to be fixed to wall etc. with 400x50 preformed sealant strip of tacky extruded butyl rubber.
7. The arrow under the telephone symbol shall be handed left or right according to the location of the nearest emergency telephone.

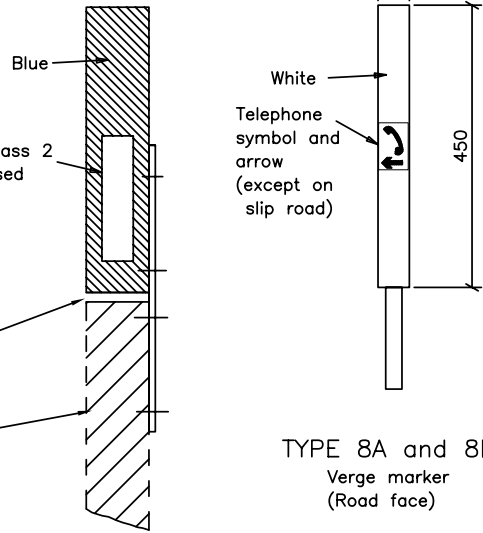
HIGHWAY CONSTRUCTION DETAILS	DISTANCE MARKER POSTS	B	AUG 93	PARAPET/TUNNEL MOUNTED POSTS TYPES 6 AND 7	Drawing No.
		A	DEC 91		E3
		Issue	Date		



**TYPE 8A**  
Verge markers nearside at emergency crossing points (Traffic face)

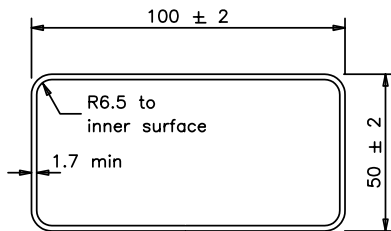


**TYPE 8B**  
Verge markers and slip road verge markers (with numerals omitted), nearside (Traffic face)

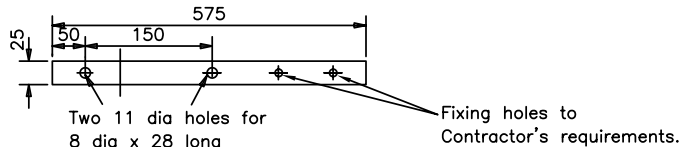


**TYPE 8B**  
Verge markers on off side of slip road (Traffic face)

**TYPE 8A and 8B**  
Verge marker (Road face)



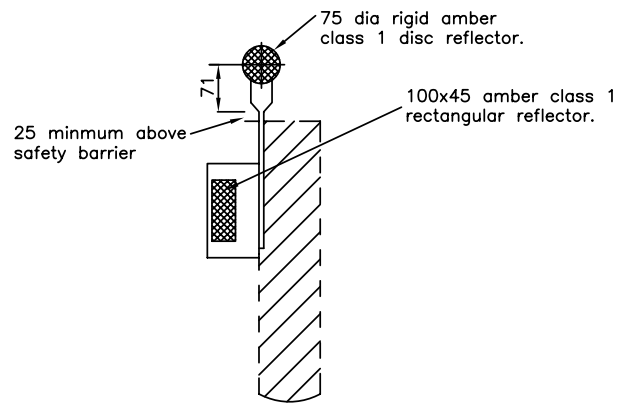
**TYPES 8 POST SECTION**



**TYPES 8 FIXING STRAP (Bracket)**

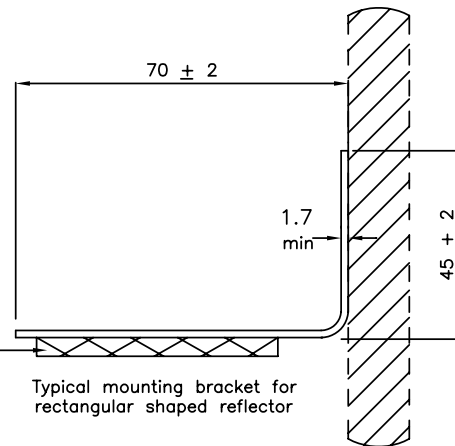
- NOTES**
1. ALL DIMENSIONS ARE IN MILLIMETRES.
  2. Type 8 posts are used in place of Types 1, 2 or 3 posts when they are located on safety barriers, or the nearside or offside verges of slip roads, not more than 1.5m from the edge of the hardshoulder or hardstrip.
  3. See Drawing No. E3 for details of telephone symbol and arrow.
  4. Type 8 posts with discs to be installed on both approaches to emergency crossing point. Posts as shown to be fixed not less than 300m from centre of crossing. Similar post but with lower disc omitted to be fixed not less than 200m from centre of crossing and further post with lower two red discs omitted to be fixed not less than 100m from crossing point.
  5. Posts are to have PVC closed or capped tops.
  6. Fixing straps shall be steel with galvanized finish to BS EN ISO 1461.
  7. Post faces are to be white except where shown otherwise.

HIGHWAY CONSTRUCTION DETAILS	DISTANCE MARKER POSTS	B	MAY 04	SAFETY BARRIER MOUNTED REFLECTORS TYPE 8	Drawing No.
		A	DEC 91		E4
		Issue	Date		



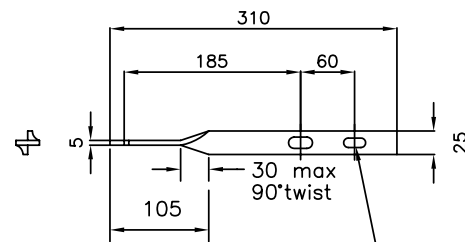
(Safety barrier)

100x45 amber class 1 rectangular reflector, see also Note 5.



Typical mounting bracket for rectangular shaped reflector

**TYPE 9**  
Central Reserve at  
Emergency Crossing Points  
(Traffic face)



Two 12x40 long slotted hole for 10 dia x 30 long hexagon head steel bolt complete with 2 no. washers and self-locking nut, all galvanized finish, to secure strap to safety barrier.

**TYPE 9A FIXING STRAP**  
(Bracket)

**NOTES**

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. Fixing straps shall be steel with galvanized finish to BS EN ISO 1461.
3. Either rectangular shape or disc shape reflectors can be used on safety barriers.
4. One disc or rectangular reflector to be located not less than 100m from the centre of the emergency crossing point.  
Two discs or rectangular reflectors between 1.6m and 4.0m apart to be located not less than 200m from, and three discs or rectangular reflectors between 1.6m and 4.0m apart to be located not less than 300m from, the centre of the crossing respectively.
5. Type 9, advance warning reflectors shall be secured to the safety barrier by a separate fixing system. The use of any safety barrier beam to support post securing system (i.e. bolt/screw, washer and nut) to affix the advance warning reflectors, shall not be permitted.

HIGHWAY CONSTRUCTION DETAILS	DISTANCE MARKER POSTS	B	MAY 04	REFLECTORS ON APPROACHES TO EMERGENCY CROSSING POINTS TYPE 9	Drawing No.
		A	DEC 91		E5
		Issue	Date		