

50x25x2.5 MILD STEEL  
RHS TUBULAR HANDRAIL

50x25x3 MILD STEEL  
RHS TUBE STANDARDS

THIS GUARDRAIL MEETS WITH  
THE REQUIREMENTS OF:-  
BS.7818 (1999) CLASS 2.A.

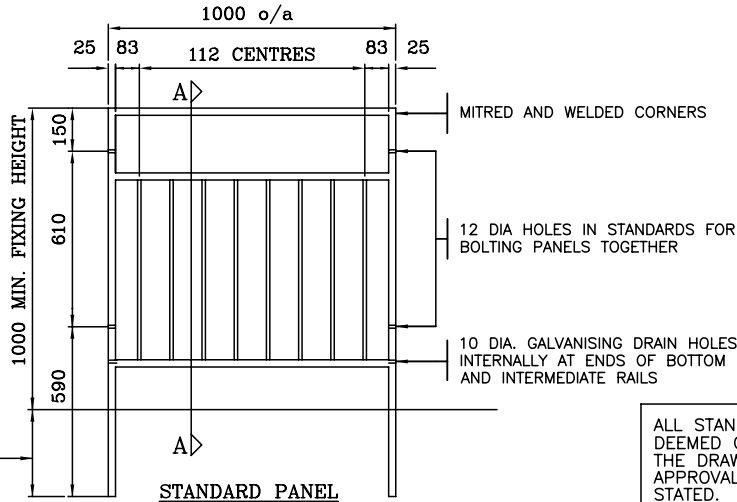
ALL SURFACE WELDS TO BE  
CLEANED FLUSH OTHERS TO  
BE NEAT AND LEFT AS LAID.

12 DIA. SOLID MILD  
STEEL INFILL BARS

50x25x2.5 MILD  
STEEL RHS  
TUBE BOTTOM  
AND MID-RAIL

10 DIA. GALV'  
VENT HOLE

HALF-FULL SIZE SECTION A-A



STANDARD PANEL

300 MINIMUM  
FIXING DEPTH

MITRED AND WELDED CORNERS

12 DIA HOLES IN STANDARDS FOR  
BOLTING PANELS TOGETHER

10 DIA. GALVANISING DRAIN HOLES  
INTERNALLY AT ENDS OF BOTTOM  
AND INTERMEDIATE RAILS

ALL STANDARDS QUOTED ARE  
DEEMED CURRENT AT THE DATE  
THE DRAWING IS ISSUED FOR  
APPROVAL, UNLESS OTHERWISE  
STATED.

REVISIONS

A/.	1/12/99.
REDRAWN AND NEW BRITISH STANDARDS INCORPORATED.	
D.V.COPELAND.	

GENERAL NOTES

- 1) STANDARDS ARE DRILLED 12 DIA. FOR BOLTING TOGETHER ON SITE FOR ADDED STRENGTH. BOLTS ARE NOT SUPPLIED UNLESS SPECIFICALLY REQUESTED.
- 2) WHERE GRADIENTS ARE ENCOUNTERED THE RAKING REQUIREMENTS MAY BE ACCOMMODATED BY ONE OF THE FOLLOWING METHODS:-
  - A) PANELS CAN BE TILTED ON SITE FOR GRADIENTS UP TO 1 IN 6 (LESS THAN 10° ANGLE WITH THE VERTICAL WHEN MEASURED IN THE PLANE OF THE RAILS). SEE CLAUSE 2.2 OF BS. 7818.
  - B) PANELS CAN BE STEPPED AT INTERVALS DEPENDING UPON THE GRADIENT. DRILLING FOR STEPPING TO BE CARRIED OUT DURING SITE ERECTION.
- 3) SLOW CURVING ON PLAN CAN BE ACHIEVED BY FACING PANELS AT JOINTS. WHERE CURVES ARE SO TIGHT THAT THIS METHOD CANNOT BE USED, PANELS CAN BE MANUFACTURED TO THE DESIRED RADIUS IN OUR WORKS, DOWN TO A MINIMUM RADIUS OF 1.2m.
- 4) THE STANDARD FIXING DEPTH SHOWN IS SUITABLE FOR BUILDING INTO FIRM GROUND, TO BE SURROUNDED IN CONCRETE, OR INTO BRICKWORK, WHERE IT CAN BE BUILT-IN AS THE BRICKWORK IS CONSTRUCTED, OR GROUTED INTO PREPARED POCKETS. WHERE FIXING INTO CONCRETE THE DEPTH CAN BE REDUCED TO 150. WHERE SOFT CONDITIONS ARE ENCOUNTERED THE FIXING DEPTH SHOULD BE INCREASED TO 610 AND THE USE OF SIDE STAYS CONSIDERED.
- 5) NORMAL FINISH IS HOT DIPPED GALVANISED, AS BEING THE MOST SERVICEABLE, BUT ALTERNATIVE FINISHES ARE AVAILABLE ON REQUEST.

THIS DRAWING TO BE USED ONLY WITH

W/O.No.

DRAWING TO BE RETURNED TO DRAWING OFFICE ON COMPLETION OF WORK

CAD DRAWING  
NUMBER

S.P.G.51A

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CUSTOMER	
SITE	
JOB DETAILS	V & G STANDARD PEDESTRIAN GUARDRAIL TYPE 51
FINISH	HOT DIP GALVANISED TO B.S.EN.ISO.1461
DRAWN BY	M.LIITLEY
CHECKED BY	
DATE	28/7/99