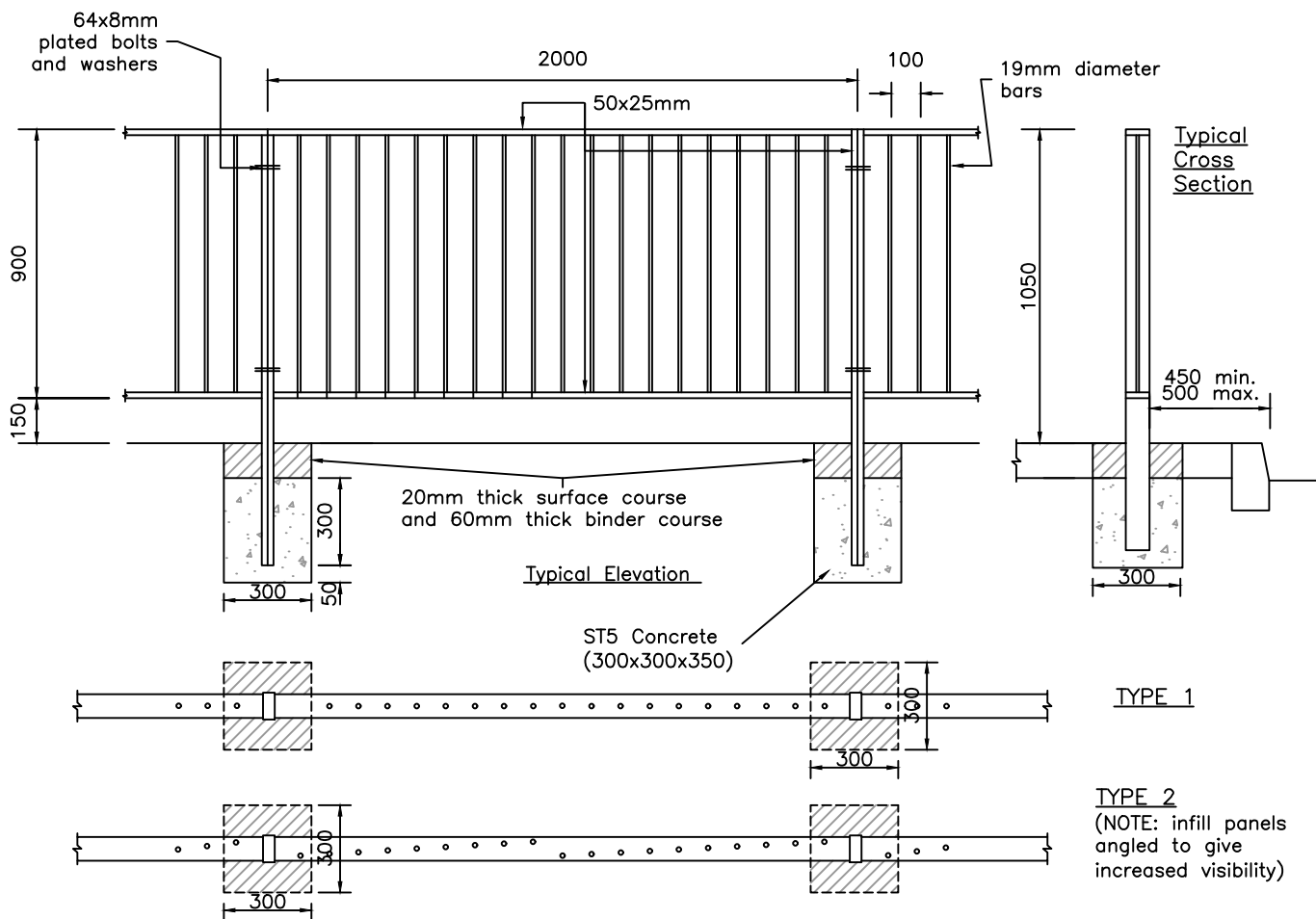


Rev.	Amendments	Date	Made By	Chk'd By



Class	Minimum Design Loads					
	Rails	End and 90° corner posts		Other posts		Infilling
		Parallel	Normal	Parallel	Normal	
	N/m	N	N	N	N	N
1	700	700	700	700	1400	500
2	700	700	700	700	1400	1000
3	1400	1400	1400	1400	2800	1000

#### NOTES

- All dimensions are in millimetres unless otherwise stated
- Guardrails to comply with BS 7818:1995 Class 1. Modifications can be made to the standard panels to meet with Class 2 and Class 3.
- Guardrails shall be classified according to the design loads they are required to carry as given in the table.
- The vertical distance between the top of the top rail and the bottom of the bottom rail shall be  $900 \pm 5$ mm.
- The distance between centres of two adjacent posts shall be  $2m \pm 5$ mm except where a shorter distance is stated.
- Finish is to be hot dip galvanised in accordance with BS EN ISO 1461.
- The space contained within the top rail, the bottom rail and the posts shall be filled in with vertical bars. 50x25mm steel sealed hollow section rails and posts, solid round infill bars type N35, 19mm dia. at 100mm centres all hot dipped galvanised to BS EN ISO 1461. Panels to be pre shaped to curves and gradient upright to the vertical. Adjoining panels secured by 2 No. 64x8mm plated bolts and washers.

## PEDESTRAIN GUARDRAIL

COMMON STANDARDS FOR WALES  
HIGHWAY DESIGN GUIDE

Drawn	MT
Checked	SZ
Date	Feb '20
Scale	N.T.S.
Drg. No.	404
Rev.	