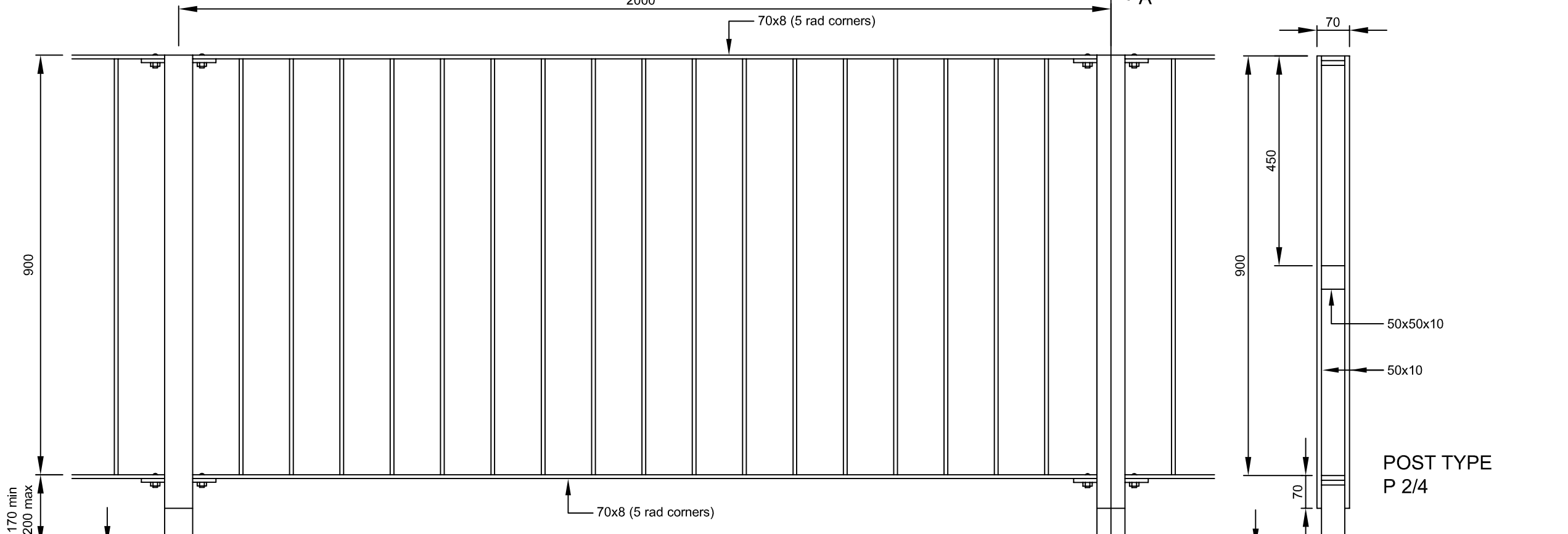
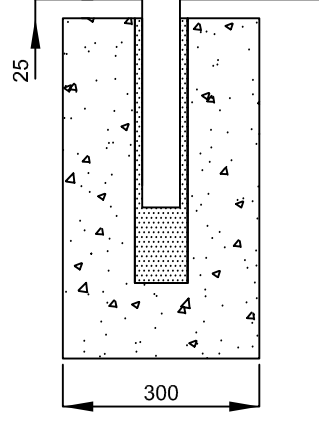
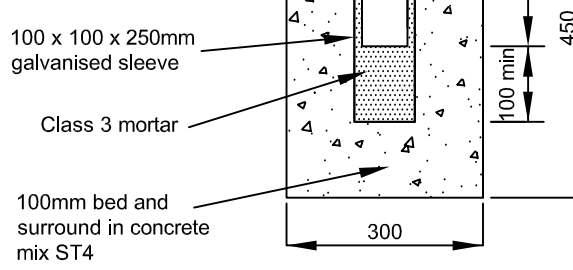


1 2 3 4 5 6 7 8



PANEL ELEVATION



SECTION A-A

PANEL TYPE	PANEL LAYOUT	OPTIMUM SIGHT ANGLE	TYPICAL USES
V2		2.5° to 5°	Straight roads, moderate to high speeds.
V4		5° to 14°	Straight roads, low to moderate speeds. Curves.
V8		more than 14°	Curves less than 15m radius, e.g. bellmouths.

- Notes :-
- Non standard length or raked panels shall be provided where required.
  - The fencing shall be installed to a smooth, flowing alignment, and approved by the Project Manager prior to concreting around each post.
  - All guardrail to BS 7818:1995, Steel to be Grade 43C, hot-dip galvanised to BS EN ISO 1461:2009 Welds to be 5mm to BS EN 1011-2:2001; surface welds to be cleaned flush.
  - Pedestrian guardrail to be set back from the kerb as follows:  
 Speed limit 30 mph and below - 450mm  
 Speed limit 40 mph and above - 600mm
  - Painting treatment may be required at certain locations. All painting to be in accordance with Appendix 19/4.
  - All dimensions in mm.
  - For high visibility guardrail for use along the highway, refer to Standard Detail Sheets HW/4.02, 4.03 & 4.04.
  - If guardrail is erected over a service access box/ chamber then a lockable gate must be fabricated into the panel and a key provided to the emergency services.
  - Guardrail fencing can only be installed to minor gradients, in areas of excessive gradients the Contractor is to advise the Project Manager if bespoke railing panels are required, prior to commencement of works, in writing.
  - If the post legs can be manufactured so the offset under the rail is maintained, then the galvanised sleeve is not required.

**Birmingham City Council**

SCHEME

STANDARD DETAIL SHEETS

FS 506677

DRAWING

HIGH VISIBILITY  
PEDESTRIAN BARRIER SYSTEM  
STANDARD PANELS

DATE	REV.	REVISIONS	DRN	PM
2015	H	NOTES AMENDED	DH	TE
2014	G	DETAILS AMENDED	DH	PP
2013	F	DETAILS & FRAME AMENDED	DH	PP
2010	E	FOUNDATION ADDED	BL	GU
2009	D	NOTES AMENDED	PAS	TE
2006	C	DETAIL & NOTES AMENDED	-	BSF
2004	B	MINOR CORRECTIONS	-	AJC
2002	A	BORDER & TITLE AMENDED	-	AJC
2000	-	ORIGINAL DRAWING CREATED	SRE	AJC
DRAWN	DESIGNER	PM	REVISION	
DH	TE	PP	03/12/13	H
DRAWING STATUS				SCALE
GENERAL				1:10
DWG. No				
HW/4.02				

This detail is controlled by Birmingham City Council. Email - Transport.Projects@Birmingham.gov.uk

1 2 3 4 5 6 7 8