

SERIES	TYPE DESIGNATION	BS 6779 DESCRIPTION	DRAWING	REV.
100	101	L/1.00/O		
	102	P2/80 km/hr - NO INFILL	BPL/100/1	F
	103	P1/113 km/hr - FULL HEIGHT MESH INFILL		
	104	N/1.00/O		
120	121	P5/113 km/hr - PART HEIGHT SOLID INFILL	BPL/100/2	F
	122	P5/113 km/hr - FULL HEIGHT SOLID INFILL		
	123	N/1.25/M		
150	151	L/1.50/M	BPL/100/3	F
	152	N/1.50/M		
	153	N/1.50/B+W		
180	181	L/1.80/mw	BPL/100/4	F
	182	N/1.80/M	BPL/100/5	B
	183	L/1.80/M	BPL/100/6	d
		RAIL DRILLING AND SETTING DETAILS	BPL/100/7	d
		SPACER TO POST AND RAIL CONNECTION DETAILS	BPL/100/8	C
		50KN - 330KN STRENGTH CONNECTION TO SAFETY FENCES	BPL/100/9	C
		MESH INFILL DETAILS (L/1.00/M AND N/1.00/M)	BPL/100/10	C
		SOLID PANEL (PART) INFILL DETAILS (N/1.25/S)	BPL/100/11	C
		MESH INFILL DETAILS (N/1.25/M, N/1.50/M, L/1.50/M)	BPL/100/12	C
		SOLID PANEL INFILL DETAILS (N/1.50/B, N/1.50/W, N/1.25/B)	BPL/100/13	C
		MESH INFILL DETAILS (L/1.80/M AND N/1.80/M)	BPL/100/14	B
		PART SOLID PART MESH INFILL DETAILS (L/1.80/mw)	BPL/100/21	B
180	N/1.80/SOLID	LOWER MESH JOINT DETAILS		
		P2/113 km/hr - FULL HEIGHT SOLID INFILL (SPECIAL)		

FORM OF MATERIAL	SPECIFICATIONS	BS NUMBER AND DESIGNATION	COMMENTS
EXTRUDED SECTIONS		BS EN 1545:1993 - BS EN 1573 PT3:1995 BS EN 1573 PT4:1995 - BS EN 755 PT1:1997 BS EN 755 PT2:1997 - BS EN 755 PT3:1996 BS EN 755 PT4:1996 - BS EN 755 PT5:1996 BS EN 755 PT6:1996 - BS EN 755 PT7:1998 BS EN 755 PT8:1998 - BS EN 755 PT9:2001 ALLOYS 6082	SPECIAL REQUIREMENTS ADDITIONAL MECHANICAL TESTING AS SPECIFIED IN BS6779:1:1998
PLATE AND SHEET		BS EN 485 PT1:1994 - BS EN 485 PT2:1995 BS EN 485 PT3:1994 - BS EN 485 PT4:1994 ALLOYS 1050A, 1200, 3103, 4015, 5083, 5251 AND 6082	SOLID INFILL
ALUMINIUM CASTING		BS EN 1559 PT1:1997 - BS EN 1559 PT4:1999 BS EN 1706:1998 ALLOYS LM6	POST AND RAIL END CAPS
WELDING RODS AND WIRE		BS 2901 PT4:1990	
WIRE MESH		WIRE TO BS 1052:1980 COATINGS TO BE EN 10244 PT2:2001 & BS EN ISO 1461:1999	MESH INFILL
FASTENERS (SEE NOTE 1) ISO METRIC PRECISION HEXAGON BOLTS, SCREWS AND NUTS.		BS 3692:2001 BS EN ISO 3506 PT1:1998 (GRADE A4 CLASS 80) BS EN ISO 3506 PT2:1998 (GRADE A4 CLASS 60)	
METRIC WASHERS		BS 4320:1968 (FORM 44) BS EN 10095:1999	
HOT DIP GALVANIZING		BS EN ISO 1461:1999	SAFETY FENCE CONNECTIONS AND MESH INFILL
BITUMASTIC PAINT		BS 3416 (1991)	ISOLATION
STEEL PLATE AND FLATS		BS EN 10025:1993 - S275JR	SAFETY FENCE CONNECTIONS
TOP HAT SLEEVES		NYLON - GRILON A70 SKL	ISOLATING SLEEVES
INERT PACKING		POLYETHYLENE - PE300	UNDERBASE PACKING

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NOTES

- 1) THE STANDARDS LISTED RELATING TO THE FORM OF FASTENERS DO NOT COVER SPECIAL BOLTS, SCREWS ETC. WHICH MAY BE USED FOR PARTICULAR FIXINGS WHERE IT IS NOT POSSIBLE TO INCORPORATE BOLTS SCREWS ETC. OF STANDARD DIMENSIONS OR WHERE SPECIAL FIXINGS ARE REQUIRED TO RESIST VANDALISM.
- 2) OTHER SYSTEM VARIANTS ARE AVAILABLE BY ARRANGEMENT.

F	26/11/07	DRG. BPL/100/21 MOD. LEVEL RAISED.
E	19/11/07	DRG. BPL/100/21 ADDED.
D	20/02/07	DRG. S. MOD. LEVEL RAISED.
C	02/10/06	BPL/100/6 MOD. LEVEL CHANGED.
B	05/12/02	BPL/100/14 ADDED AND UPDATED TO CURRENT DRG. REV.S
A	05/06/02	UPDATED TO CURRENT DRG. NO. S. AND REV. S
REV.	DATE	AMENDMENT



BRIDGE PARAPETS LTD
 TONICH INDUSTRIAL ESTATE, MILL OF CRA, ROSS SHRE, SCOTLAND IV6 7UA
 TEL: +44 (0) 1463 870194 FAX: +44 (0) 1463 870067
 E-MAIL: SALES@BRIDGE-PARAPETS.COM WEB: WWW.BRIDGE-PARAPETS.COM

DRAWN	CHECKED
CM	DM

DATE	SCALE
28-06-01	-----

TITLE
 SERIES 100-120-150-180
 DRAWING LIST
 AND MATERIAL SPECIFICATION

DRAWING NUMBER
 BPL/100/100