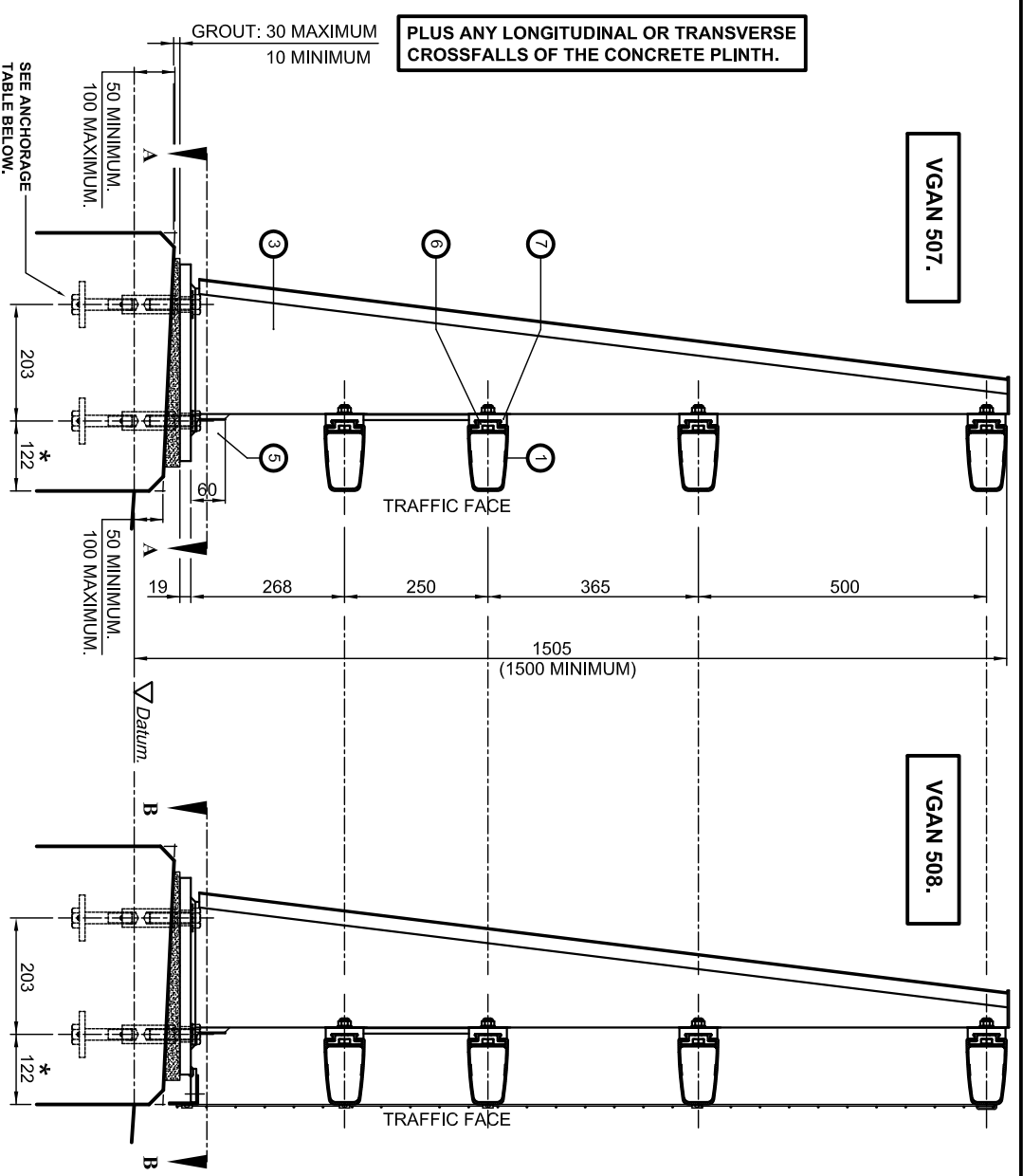


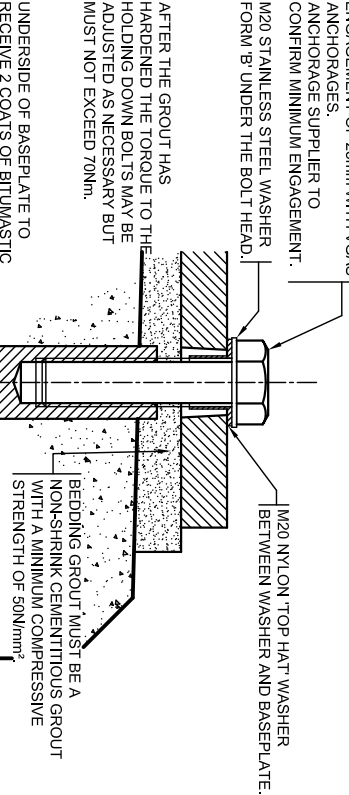
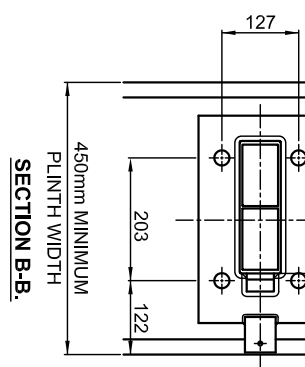
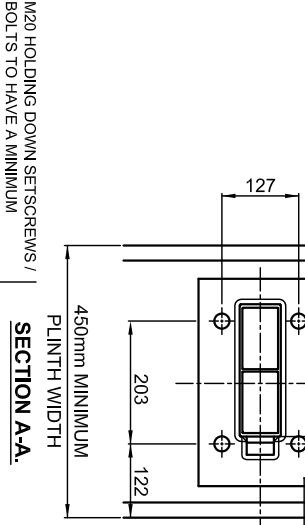
VGAN 507.

VGAN 508.



PLUS ANY LONGITUDINAL OR TRANSVERSE CROSSFALLS OF THE CONCRETE PLINTH.

M20 ANTI-TURNING FINISHES TO BE AT THE REAR DEPARTURE POSITION ON THE BASEPLATE AS INDICATED.



VGAN 500 SERIES POST INFORMATION	
UNFACTORED MOMENT OF RESISTANCE OF POST (kNm) AT UNDERSIDE OF BASEPLATE:	32.51
ULTIMATE SHEAR FORCE RESISTANCE OF POST (kN)	116.4
SIZE OF HOLDING DOWN BOLTS	M20

APPROVED ANCHORAGE UNITS	
DRAWING NUMBER	
VGAS/1.	
VGAS/2.	
VGAS/3.	
OR OTHER APPROPRIATELY APPROVED CAST-IN OR DRILLED ANCHORAGE SYSTEM.	

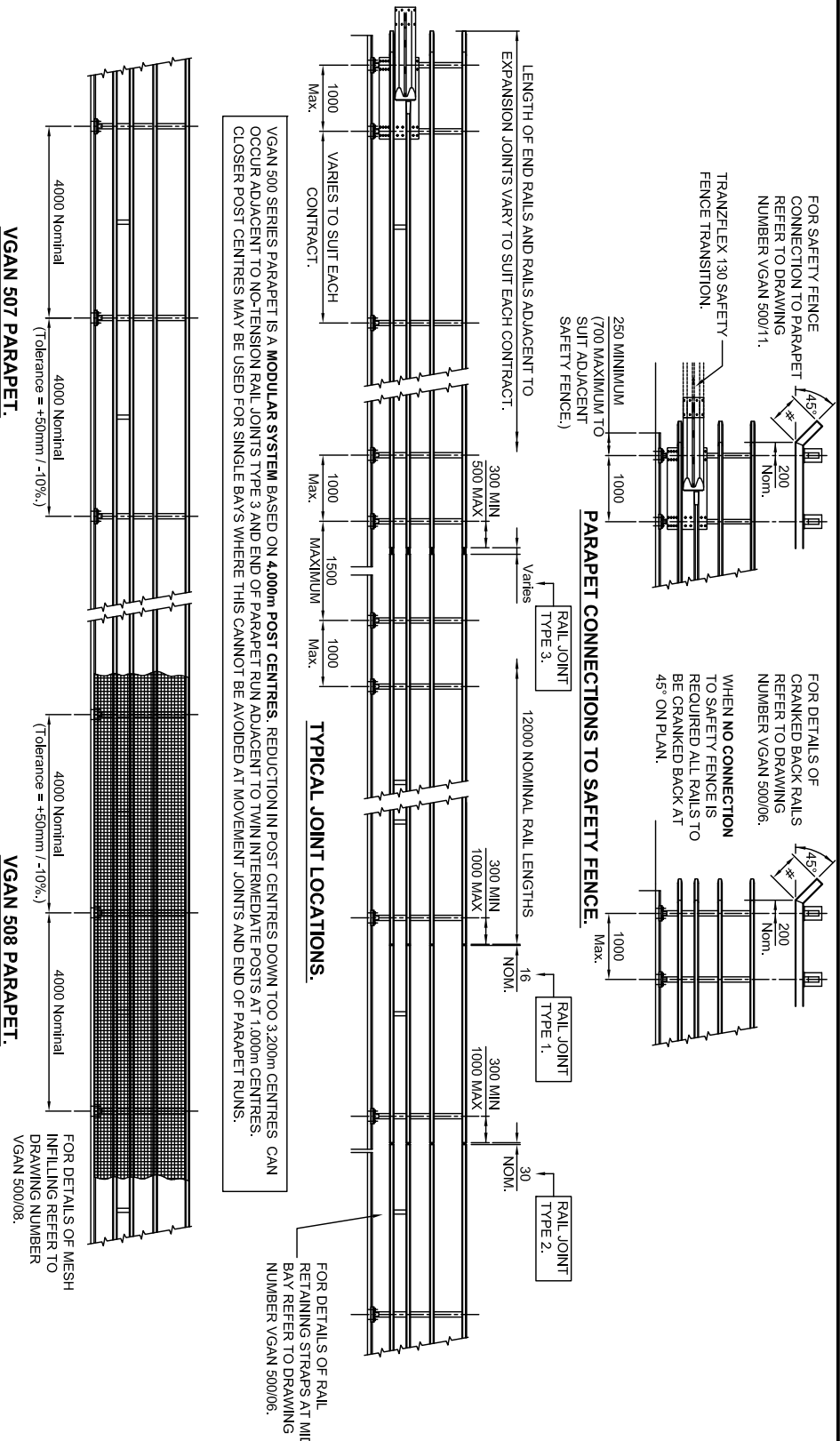
VGAN 500 SERIES PARAPET PERFORMANCE	
BS. EN. 1317-1 and BS. EN. 1317-2.	
IMPACT TEST CRITERIA	TB31.
CONTAINMENT LEVEL	N1.
WORKING WIDTH	W2. (0.8m)
IMPACT SEVERITY LEVEL	A.
DYNAMIC DEFLECTION	0.6m.

LIST OF ADDITIONAL REFERENCE DRAWING FOR THE VGAN 500 PARAPETS	
DRAWING NUMBER	TITLE
VGAN 500 / 06.	RAIL CONNECTION DETAIL S.
VGAN 500 / 07.	PARAPET POST DETAILS.
VGAN 500 / 08.	PARAPET MESHING DETAILS.
VGAN 500 / 09.	SHEETING AND MESHING DETAILS OF VGAN 510.
VGAN 500 / 10.	ANTIACCESS PANNELLING.
VGAN 500 / 11.	CONNECTION TO SAFETY FENCE.

MATERIAL SPECIFICATION.		
ITEM	SPECIFICATION	ITEM
MAIN RAIL.	ALL EXTRUSIONS ARE TO BE ALUMINIUM ALL OY EN AW6082 T6 IN ACCORDANCE WITH BS. EN. 573-4, BS. EN. 573-3, BS. EN. 573-1, BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	BOLTS.
RAIL JOINT.	ALUMINIUM ALL OY EN AW6082 T6 IN ACCORDANCE WITH BS. EN. 573-4, BS. EN. 573-3, BS. EN. 573-1, BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	NUTS.
POST SECTION.	BS. EN. 573-4, BS. EN. 573-3, BS. EN. 573-1, BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	PLAIN WASHERS.
BASEPLATE.	BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	WASHERS TO HAVE AN M12 FORM 'A' CONFORMING TO BS. 4320 AND BE STAINLESS STEEL TO BS. EN. ISO. 3506
POST GUSSET.	BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	RAIL CLAMP BAR.
RAIL CLAMP BAR.	BS. EN. 755-2, BS. EN. 755-5, BS. EN. 755-7 AND BS. EN. 755-9.	RAIL CLEAT.

GENERAL NOTES.

- 1/ ALL ALUMINIUM WELDING TO BE IN ACCORDANCE WITH BS. EN. 1011-4.
- 2/ WELDERS AND WELDING PROCEDURES ARE IN ACCORDANCE WITH BS. EN. ISO. 9806-2 AND BS. EN. ISO. 15614-2 RESPECTIVELY.
- 3/ MAIN RAILS CAN BE RADIUS TO SUIT ON SITE DOWN TO MINIMUM RADIUS OF 50 METRES. TIGHTER RADIUS CAN BE SUPPLIED PREPARED BY SPECIAL ARRANGEMENT.
- 4/ DIMENSIONS RELATIVE TO HEIGHT DATUM ASSUME THERE IS NO LONGITUDINAL FALL ON THE PLINTH. ADDITIONAL TOLERANCES TO TAKE ACCOUNT OF THESE FALLS ARE PERMISSIBLE.
- 5/ FABRICATION TO BE IN ACCORDANCE WITH BS. 8118-2.
- 6/ AN EASILY LEGIBLE IDENTIFICATION PLATE SHALL BE APPLIED AND LOCATED NEAR TO THE TOP OF THE FIRST POST AT EACH APPROACH END IN AN EASILY VISIBLE POSITION.



FOR SAFETY FENCE CONNECTION TO PARAPET REFER TO DRAWING NUMBER VGAN 500/11.

FOR DETAILS OF CRANKED BACK RAILS REFER TO DRAWING NUMBER VGAN 500/06.

WHEN NO CONNECTION TO SAFETY FENCE IS REQUIRED ALL RAILS TO BE CRANKED BACK AT 45° ON PLAN.

FOR DETAILS OF RAIL RETAINING STRAPS AT MID BAY REFER TO DRAWING NUMBER VGAN 500/06.

**Varley and Gulliver Ltd.**  
 Alfred Street, Sparkbrook, Birmingham B12 8JR  
 Tel: 44 (0) 121 773 2441  
 Fax: 44 (0) 121 766 6875  
 Website: www.v-and-g.co.uk

ALL DIMENSIONS IN MM.  
 VGAN 500 PARAPET SYSTEM ARE COVERED BY DESIGN RIGHTS AND PATENT PENDING.

SECTION SCHEDULE	
1	MAIN RAIL SECTION 38155
2	RAIL JOINT SECTION 38319
3	POST SECTION 38359
4	BASEPLATE SECTION 120905
5	GUSSET SECTION 120901
6	CLAMP BAR SECTION 38137
7	RAIL CLEAT SECTION 120905

SCALE	DATE	DATE
P.G.H.	01/06/2006	
G.H.		D.V.C.

W/O No.  

DRAWING TO BE RETURNED TO DRAWING OFFICE ON COMPLETION OF WORK.