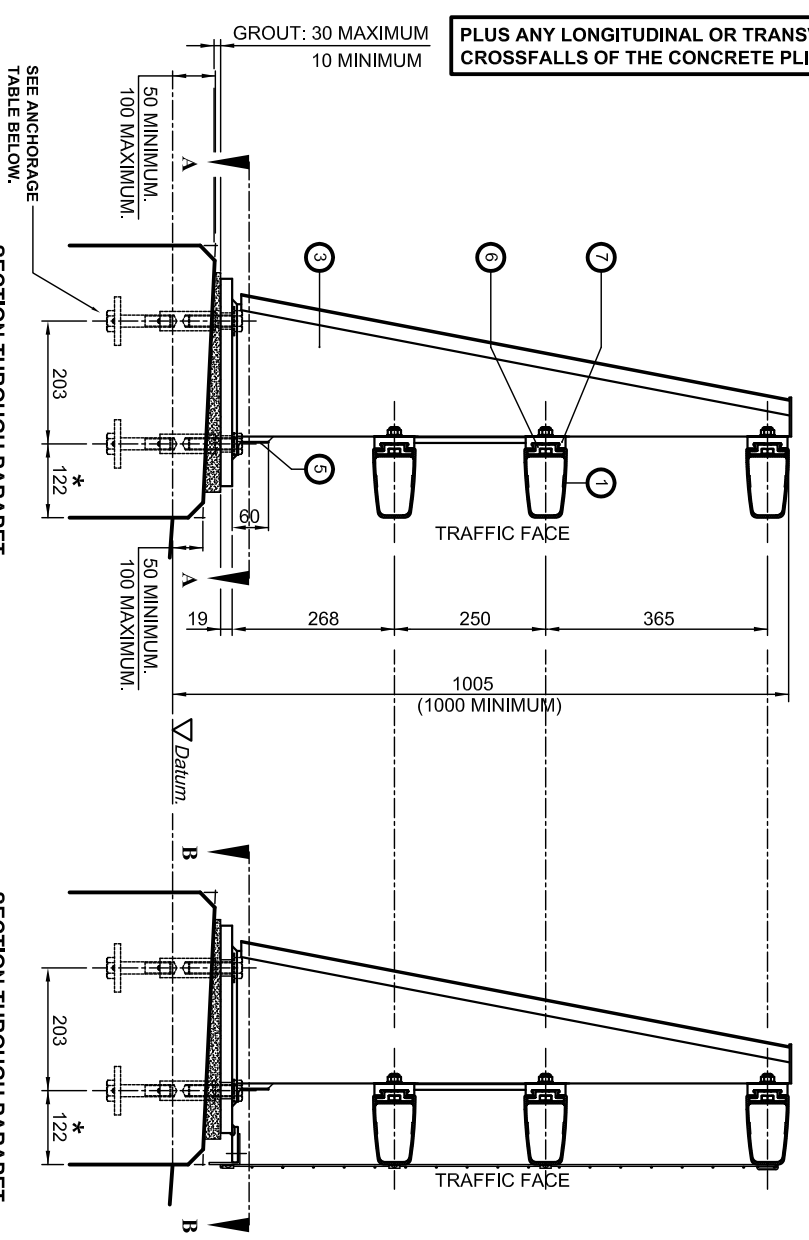
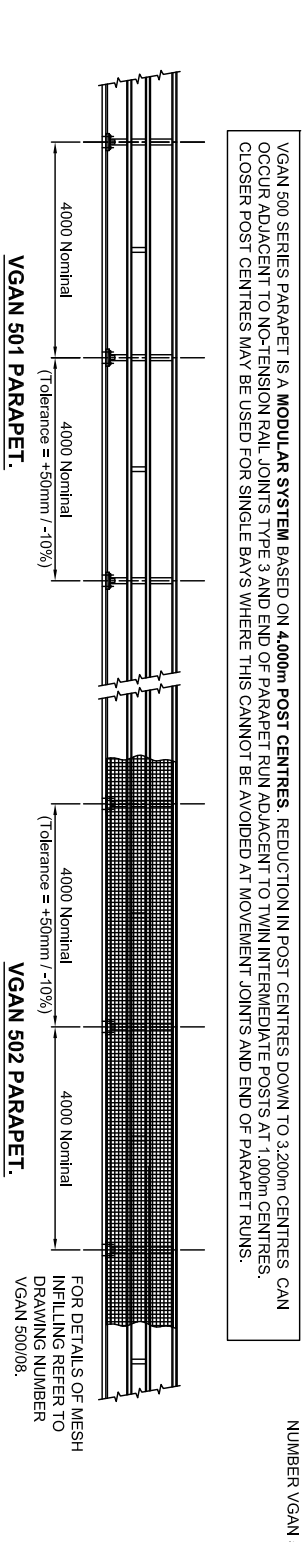
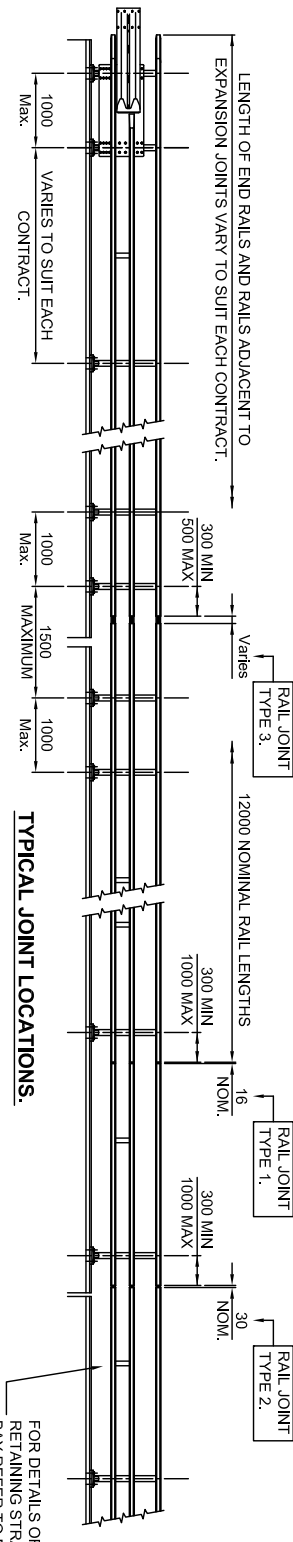
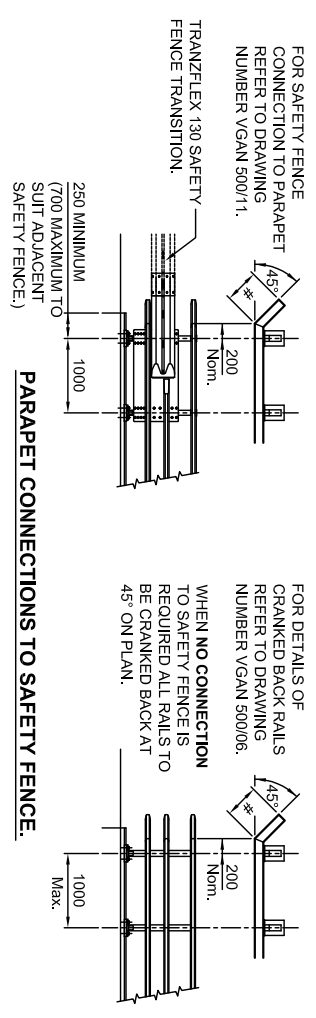
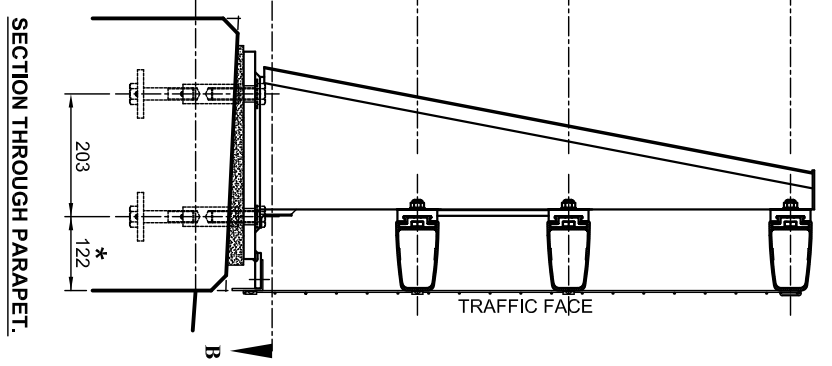


**VGAN 501.**



**VGAN 502.**



**GENERAL NOTES.**

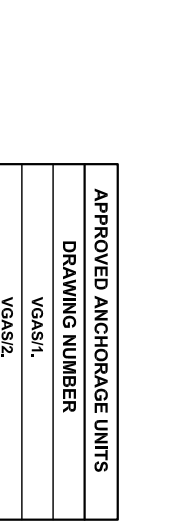
- 1/ ALL ALUMINIUM WELDING TO BE IN ACCORDANCE WITH BS.EN.1011-4.
- 2/ WELDERS AND WELDING PROCEDURES ARE IN ACCORDANCE WITH BS.EN.S0.9606-2 AND BS.EN.S0.15614-2 RESPECTIVELY.
- 3/ MAIN RAILS CAN BE RADIUS TO SUIT ON SITE DOWN TO MINIMUM RADIUS OF 50 METRES. TIGHTER RADIUS CAN BE SUPPLIED PERFORMED BY 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.

**MATERIAL SPECIFICATION.**

ITEM	SPECIFICATION	ITEM	SPECIFICATION
MAIN RAIL.	ALL EXTRUSIONS ARE TO BE ALUMINIUM ALLOY 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.	ALL BOLTS / SETSCREWS TO CONFORM TO BS.3692 AND BE STAINLESS STEEL TO BS.EN.S0.3506-4 GRADE A4/80.
RAIL JOINT.	ALL NUTS TO CONFORM TO BS.3692 AND BE STAINLESS STEEL TO BS.EN.S0.3506-2 GRADE A4.	NUTS.	ALL NUTS TO CONFORM TO BS.3692 AND BE STAINLESS STEEL TO BS.EN.S0.3506-2 GRADE A4.
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.	WASHERS TO BE M20 FORM 'B' AND M12 FORM 'A'. CONFORMING TO BS.4320 AND BE STAINLESS STEEL TO BS.EN.S0.3506
BASEPLATE.	BS.EN.755-2, BS.EN.755-5, BS.EN.755-7 AND BS.EN.755-9.	RAIL CLAMP BAR.	RAIL CLAMP BAR. ADDITIONAL REQUIREMENT OF 10% MINIMUM ELONGATION.
POST GUSSET.	BS.EN.755-2, BS.EN.755-5, BS.EN.755-7 AND BS.EN.755-9.	RAIL CLEAT.	RAIL CLEAT.

**VGAN 500 SERIES POST INFORMATION**

UNFACTORED MOMENT OF RESISTANCE OF POST (kNm) AT UNDERSIDE OF BASEPLATE.	ULTIMATE SHEAR FORCE RESISTANCE OF POST (kN)	SIZE OF HOLDING DOWN BOLTS
32.51	116.4	M20



**LIST OF ADDITIONAL REFERENCE DRAWING FOR THE VGAN 500 PARAPETS**

DRAWING NUMBER	TITLE
VGAN 500 / 06.	RAIL CONNECTION DETAILS.
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.	ANTIFACESS PANNELLING.
VGAN 500 / 11.	CONNECTION TO SAFETY FENCE.

**APPROVED ANCHORAGE UNITS**

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

**VGAN 500 SERIES PARAPET PERFORMANCE.**

BS.EN.1317-1 and BS.EN.1317-2.	IMPACT TEST CRITERIA.
VB31.	CONTAINMENT LEVEL.
N1.	WORKING WIDTH.
W2. (0.8m).	IMPACT SEVERITY LEVEL.
A.	DYNAMIC DEFLECTION.

**SECTION SCHEDULE**

NO.	SECTION	DESCRIPTION	SCALE	DATE	BY	CHECKED	DATE
1	MAIN RAIL SECTION	381/95		01/06/2006			
2	RAIL JOINT SECTION	383/19					
3	POST SECTION	385/9					
4	BASEPLATE SECTION	129/95					
5	GUSSET SECTION	120/91					
6	CLAMP BAR SECTION	381/37					
7	RAIL CLEAT SECTION	120/95					

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 Website: www.v-and-g.co.uk

**W/O No.**

**MANUFACTURING TOLERANCES:**

Rev	Date	By	Description
C	Oct 12	DVC	Post Capacity corrected
B	Mar 09	DVC	Minor amendments
A	10/07	DVC	Minor amendments

**MANUFACTURING TOLERANCES:**

NO.	TOLERANCE
1	± 2mm
2	± 1mm
3	± 0°15'

**SITE ERECTION TOLERANCES:**

WILL VARY TO SUIT SITE CONDITIONS.

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

THIS DRAWING TO BE USED ONLY WITH W/O No. [ ]

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

**TITLE**  
 STANDARD ARRANGEMENT DRAWINGS OF VGAN 500 SERIES ALUMINIUM PARAPET SYSTEM.  
 VGAN 501 and VGAN 502.

**DRAWING NUMBER**  
 VGAN 500 - 01.C.