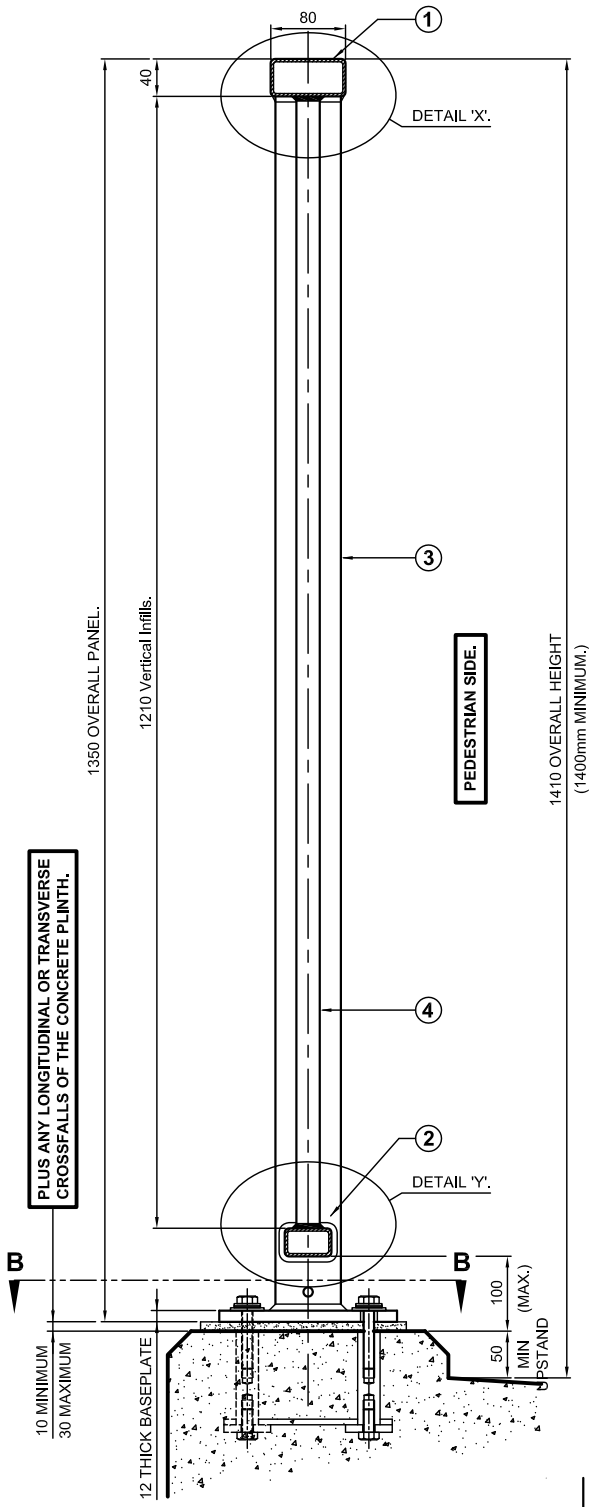
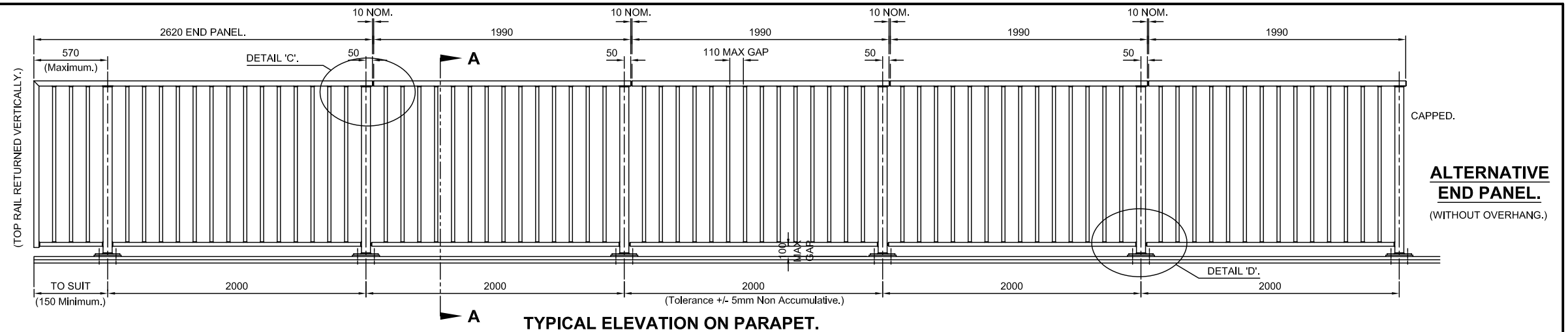


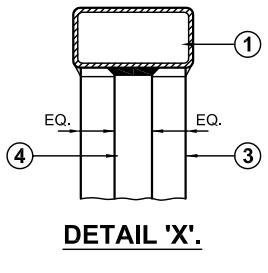
SECTION A:A.



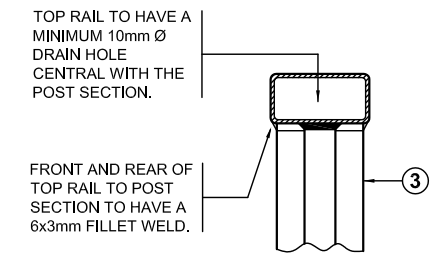
TYPICAL ELEVATION ON PARAPET.

ALTERNATIVE END PANEL.

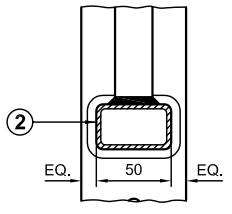
(WITHOUT OVERHANG.)



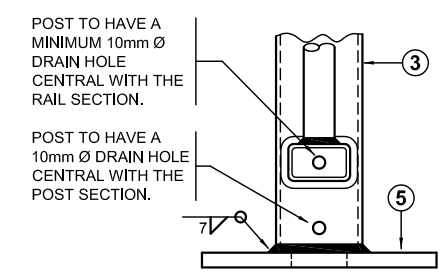
DETAIL 'X'.



SECTION E-E.

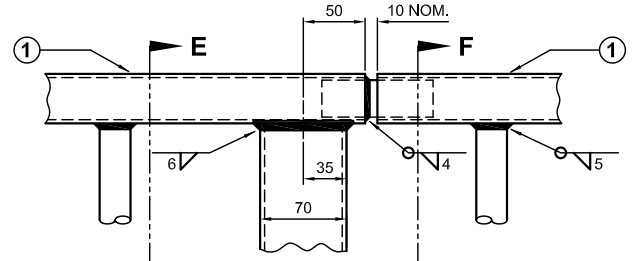


DETAIL 'Y'.

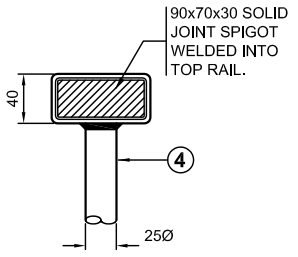


SECTION G-G.

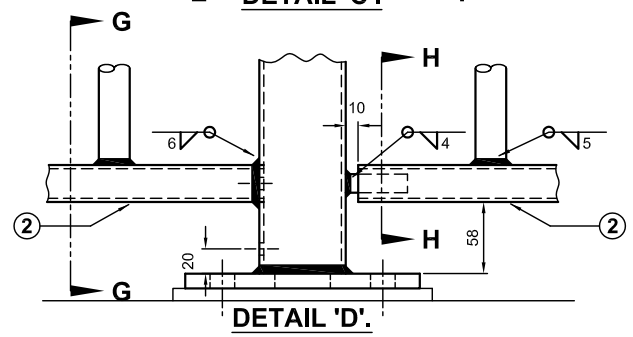
POSTS TO BE AT THE HIGH POINT OF ANY RAKING / SLOPING PANELS.



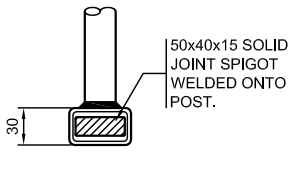
DETAIL 'C'.



SECTION F-F.



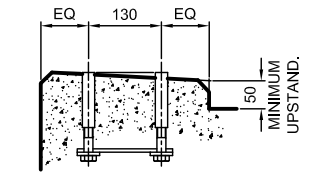
DETAIL 'D'.



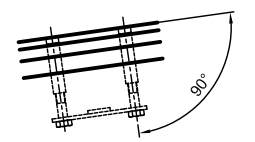
SECTION H-H.

THE CONCRETE PLINTH IS TO BE DESIGNED BY OTHERS TO RESIST WITHOUT DAMAGE THE FORCES TRANSMITTED BY THE PARAPET UNDER LOAD.

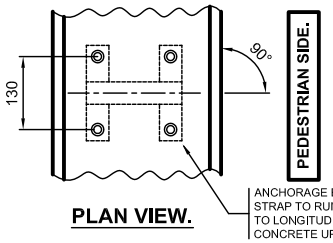
ANCHORAGES TO BE ALIGNED PERPENDICULAR TO THE LONGITUDINAL ALIGNMENT OF THE CONCRETE PLINTH.



SECTION THROUGH PLINTH.



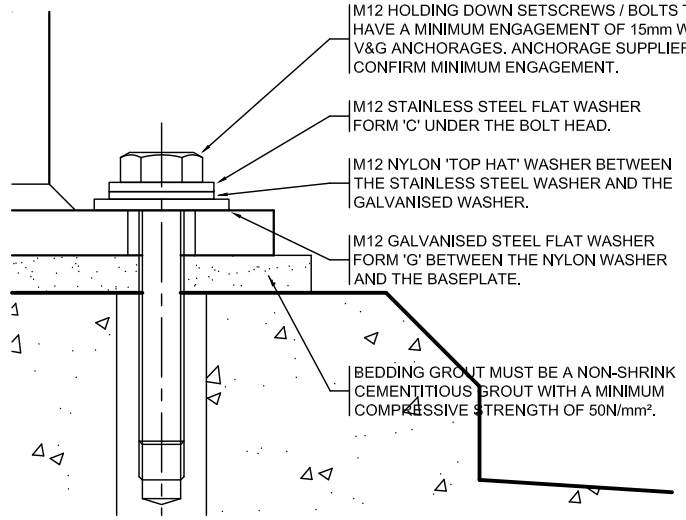
FRONT VIEW.



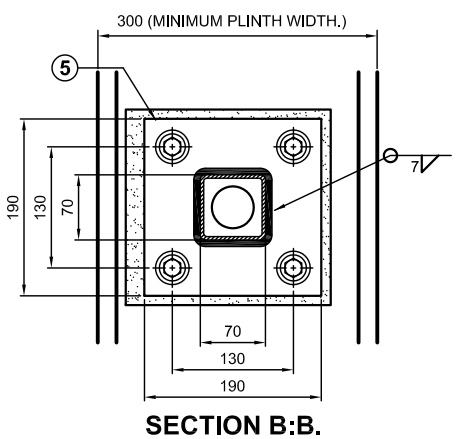
PLAN VIEW.

ANCHORAGE DETAILS.

APPROVED ANCHORAGE UNITS
DRAWING NUMBER
VGAS/11.
OR OTHER APPROPRIATELY APPROVED CAST-IN OR DRILLED ANCHORAGE SYSTEM.



ENLARGED VIEW ON HOLDING DOWN BOLT ARRANGEMENT.



SECTION B:B.

GENERAL NOTES.

1/. ALL STEEL WELDING TO BE IN ACCORDANCE WITH BS.EN.1011-1 and 2.

2/. WELDERS AND WELDING PROCEDURES ARE IN ACCORDANCE WITH BS.EN.ISO.9606-1 AND BS.EN.ISO.15607.

3/. PANELS CANNOT BE RADIUSED TO SUIT ON SITE. TIGHTER RADII CAN BE SUPPLIED PREFORMED 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.

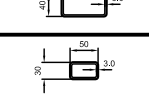
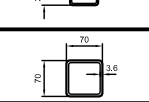
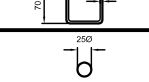
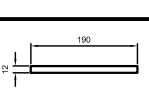
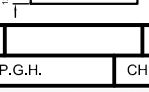
5/. AN EASILY LEGIBLE IDENTIFICATION PLATE SHALL BE APPLIED AND LOCATED NEAR TO THE TOP OF THE FIRST POST AT EACH APPROACH END IN AN EASILY VISIBLE POSITION.

MATERIAL SPECIFICATION.

ITEM	SPECIFICATION	ITEM	SPECIFICATION
TOP RAIL.	TOP RAIL, INTER RAILS AND POSTS IN ACCORDANCE WITH BS.EN.10219-1 AND BS.EN.10219-2 GRADE S275J2H. BASEPLATE, INFILLS AND JOINTS IN ACCORDANCE WITH BS.EN.10025-1 AND BS.EN.10025-2 GRADE S275JO.	BOLTS.	ALL BOLTS / SETPINS TO CONFORM TO BS.3692 AND BE STAINLESS STEEL TO BS.EN.ISO.3506-1 GRADE A4/80.
TOP JOINT.			
POST SECTION.		PLAIN WASHERS.	STAINLESS STEEL WASHERS TO BE M12 FORM 'C' CONFORMING TO BS.4320 AND TO BS.EN.ISO.3506 GRADE A4 OR A2. GALVANISED STEEL WASHERS TO BE M12 FORM 'G' CONFORMING TO BS.4320 AND NYLON TOP HAT WASHER TO BE M12 CONFORMING TO NYLON 66 OR SIMILAR.
INTER RAIL JOINT.			
INTER RAIL.			
BASEPLATE.			
INFILLS.			

PEDESTRIAN PARAPET INFORMATION	
UNFACTORED MOMENT OF RESISTANCE OF POST (kNm) AT UNDERSIDE OF BASEPLATE.	6.22kNm
SHEAR FORCE RESISTANCE OF POST (kN)	75.77kN
SIZE OF HOLDING DOWN BOLTS	M12

PEDESTRIAN GUARDRAIL PERFORMANCE.	
Eurocode 3 BS.EN.1993-1-1:2005	
POST AND RAIL.	CLASS 'D'.
INFILL.	CLASS '1'
BS.7818:1995	
POST AND RAIL.	CLASS '3'.
INFILL.	CLASS 'C'

SECTION SCHEDULE		
1		TOP RAIL SECTION.
2		INTERMEDIATE RAIL SECTION.
3		POST SECTION.
4		VERTICAL INFILL SECTION.
5		BASEPLATE SECTION.

Rev	Date	By	Description

MANUFACTURING TOLERANCES.

TOLERANCES AS SHOWN UNLESS STATED OTHERWISE.

DIMENSIONS.	TOLERANCES.
GREATER THAN 1000mm.	± 2mm
LESS THAN 1000mm.	± 1mm
ANGULAR DIMENSIONS.	± 0°15'

NOTE: ALL ACCUMULATIVE TOLERANCES ARE TO BE CONTAINED WITHIN THE OVERALL TOLERANCE.

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

SCALE		DATE	12/11/2014
DRN.	P.G.H.	CHK.	D.V.C.

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

TITLE

STANDARD ARRANGEMENT DRAWINGS OF STEEL PEDESTRIAN PARAPET SYSTEM - 1400mm HIGH.

DRAWING NUMBER

VGSPP - 02.

ALL DIMENSIONS IN MM.

COPYRIGHT © NOVEMBER 2014. VARLEY AND GULLIVER LIMITED.
STEEL PEDESTRAIN PARAPET SYSTEMS ARE COVERED BY DESIGN RIGHTS AND PATENT PENDING.