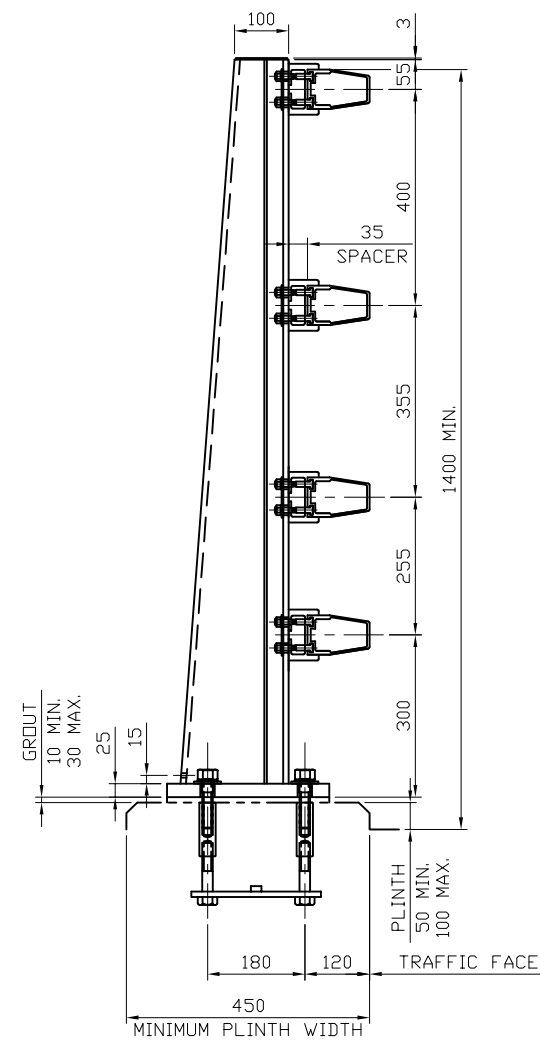
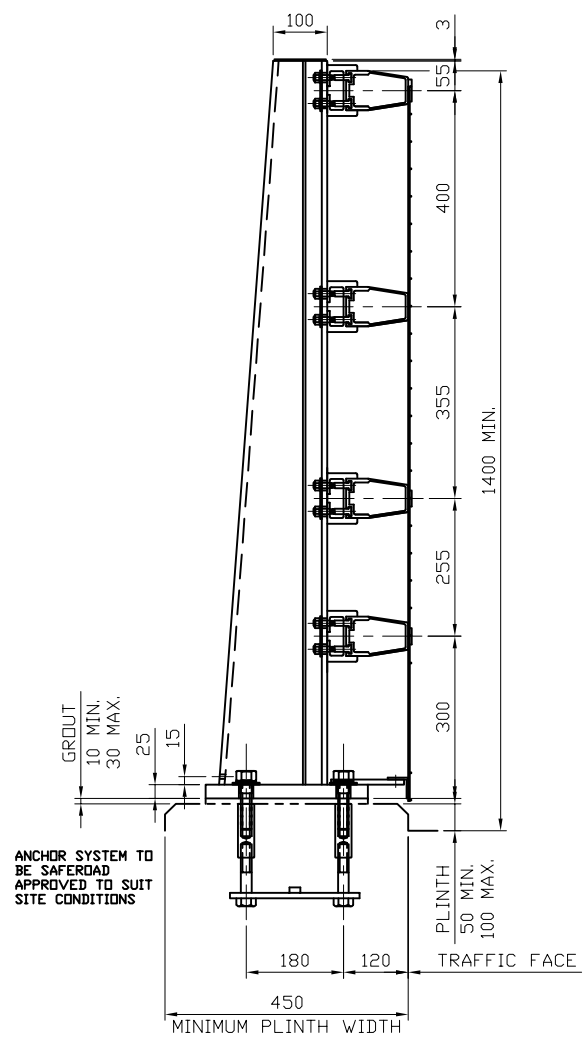


IF IN DOUBT ASK.

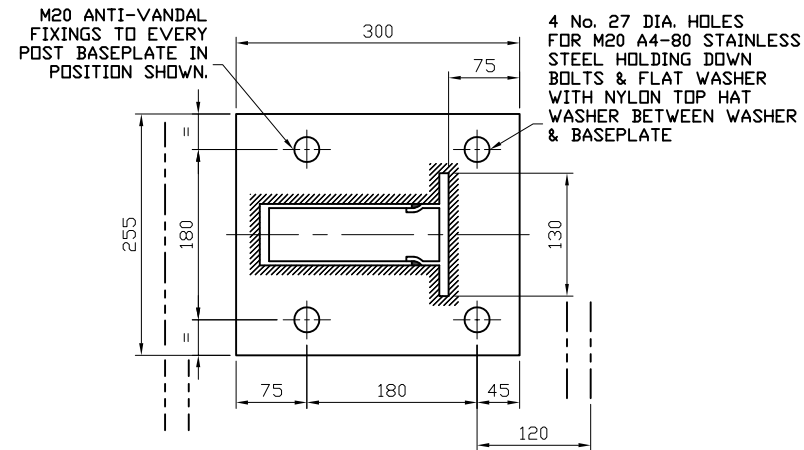
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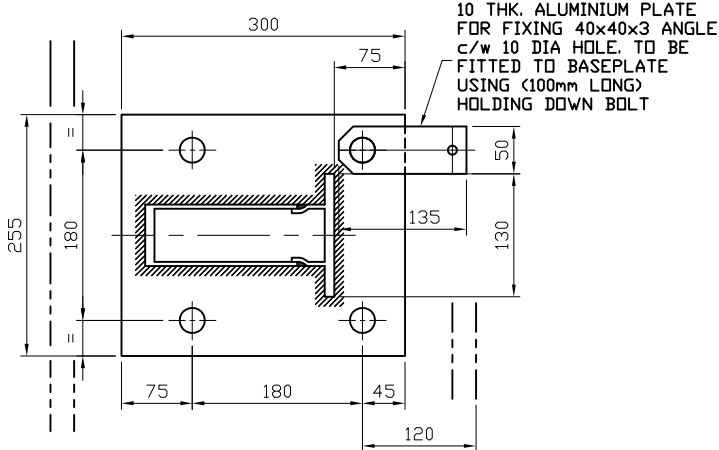
SECTION THROUGH PARAPET
PHO/N2/140/O
SCALE: 1/4



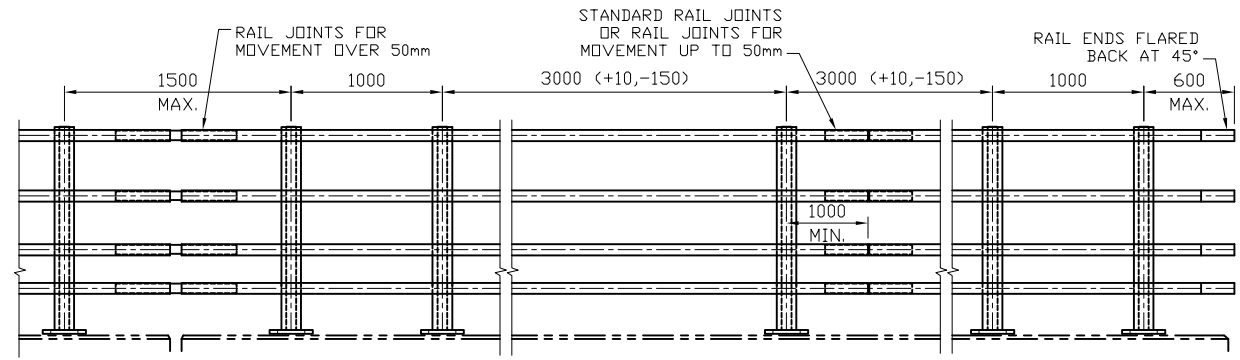
SECTION THROUGH PARAPET
WITH MESH INFILL
PHO/N2/140/M
SCALE: 1/4



BASEPLATE DETAIL
SCALE: 1/8

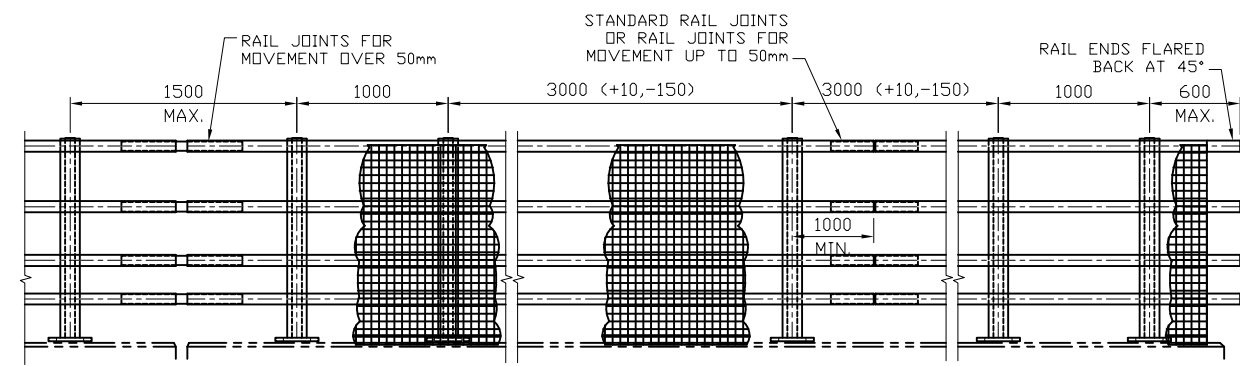


BASEPLATE DETAIL
PARAPETS WITH MESH INFILL
SCALE: 1/8

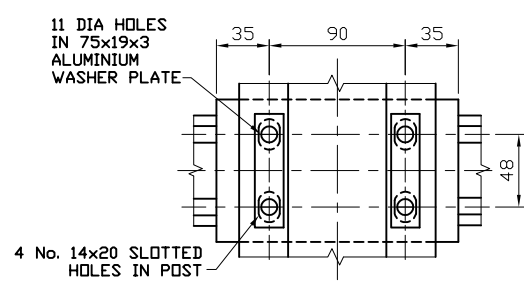


ELEVATION AND GENERAL ARRANGMENT OF PARAPET
SCALE: 1/50

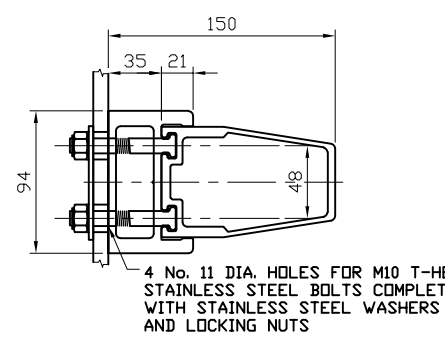
RAIL ENDS SHOWN FLARED BACK AT 45° FOR DETAILS OF PARAPET TO MEGAFLEX TRANSITION SEE DRG. No. PA 17943 & PA 17944



ELEVATION AND GENERAL ARRANGMENT OF PARAPET WITH MESH INFILL
SCALE: 1/50



RAIL TO POST FIXING DETAIL
SCALE: 1/5

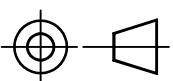


RAIL AND SPACER BRACKET SECTION
SCALE: 1/5

		PARAPET PERFORMANCE	
		IMPACT TEST CRITERIA	TB32 & TB11
UNFACTORED POST BASE LOADS		CONTAINMENT LEVEL	N2
ULTIMATE UNFACTORED DESIGN MOMENT OF RESISTANCE OF POST AT UNDERSIDE OF BASEPLATE	31.4 kNm	WORKING WIDTH	W3 (1.0m)
		IMPACT SEVERITY LEVEL	B
CO-EXISTANT SHEAR	50 kN	DYNAMIC DEFLECTION	0.6m

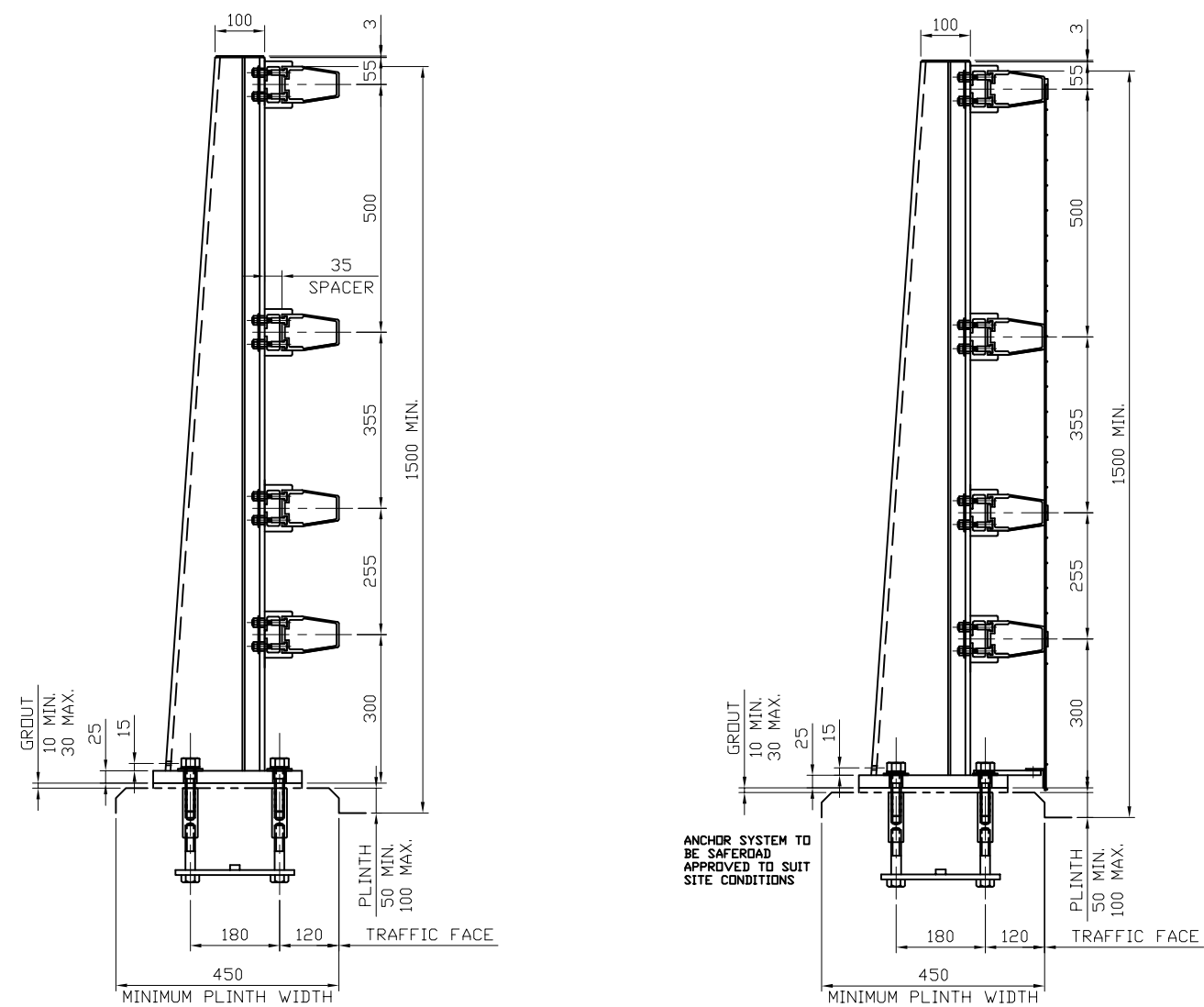
GENERAL NOTES

- DIMENSIONS ARE SYMMETRICAL ABOUT CENTRE LINE AND IN MILLIMETRES - UNLESS NOTED OTHERWISE.
- ALUMINIUM ALLOY EXTRUDED SECTIONS TO EN AW 6082 T6 IN ACCORDANCE WITH BS EN 515, BS EN 573-3, BS EN 573-4, BS EN 755-1, BS EN 755-2, BS EN 755-5, BS EN 755-7 AND BS EN 755-9. WITH THE ADDITIONAL MAIN RAIL REQUIREMENT THAT THE MINIMUM ELONGATION ON 50mm SHALL BE 10%.
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- STAINLESS STEEL WASHERS TO BS4320 (FORM A) MADE FROM STAINLESS STEEL TO BS EN ISO 3506 GRADE A4 OR A2.
- ANTI-THEFT FIXINGS TO BE INCORPORATED.
- ALUMINIUM WELDING IN ACCORDANCE WITH BS EN 1011-4.
- PARAPET SYSTEM DESIGN TO BS EN 1317.
- FOR RAIL JOINT DETAILS SEE DRG. No. PHO/N2/GA-007.
- FOR DETAILS OF MEGAFLEX TRANSITION (IF REQUIRED) SEE DRG No. PA 17943 Rev. 01 (APPROACH) & PA 17944 Rev. 01 (DEPARTURE).
- IF MESH INFILL TO BE INSTALLED; MESH TO BE 50.8 x 50.8 x 10swg GALVANISED STEEL WIRE MESH. SEE DRG. No. PHO/N2/GA-008 FOR TYPICAL FIXING DETAILS.
- FOR FIXING OF MESH INFILL; ST. STEEL DRIVE RIVET OR SIMILAR, LENGTH TO SUIT LOCATION.
- FOR MATERIAL WEIGHTS REFER TO COMPONENT DRAWINGS.



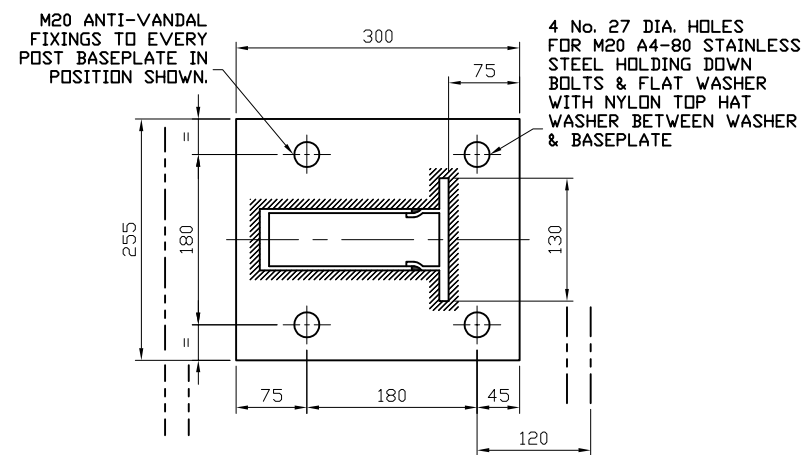
IF IN DOUBT ASK.

DRAWING NOT TO BE SCALED.

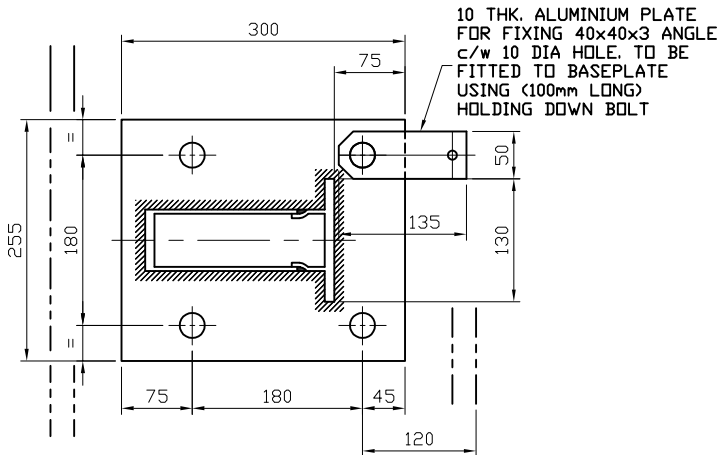


SECTION THROUGH PARAPET
PHO/N2/1.50/O
SCALE: 1/4

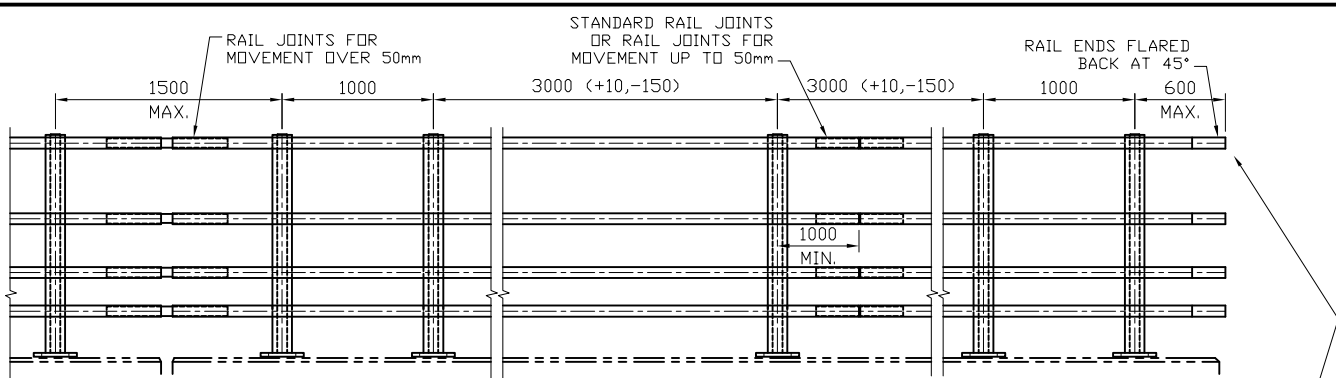
SECTION THROUGH PARAPET
WITH MESH INFILL
PHO/N2/1.50/M
SCALE: 1/4



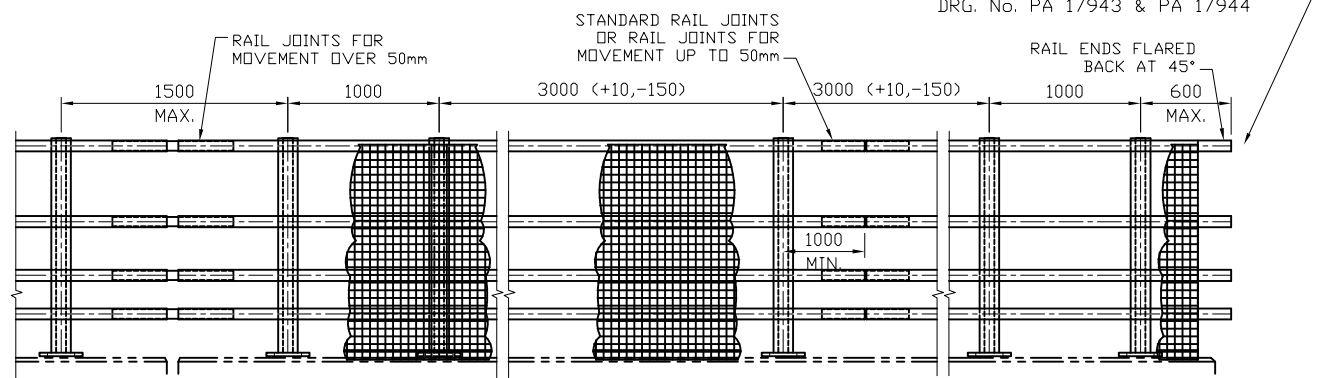
BASEPLATE DETAIL
SCALE: 1/8



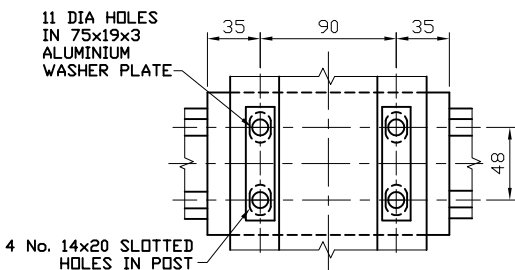
BASEPLATE DETAIL
PARAPETS WITH MESH INFILL
SCALE: 1/8



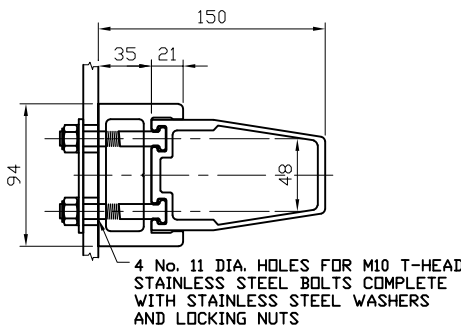
ELEVATION AND GENERAL ARRANGMENT OF PARAPET
SCALE: 1/50



ELEVATION AND GENERAL ARRANGMENT OF PARAPET WITH MESH INFILL
SCALE: 1/50



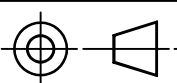
RAIL TO POST FIXING DETAIL
SCALE: 1/5



RAIL AND SPACER BRACKET SECTION
SCALE: 1/5

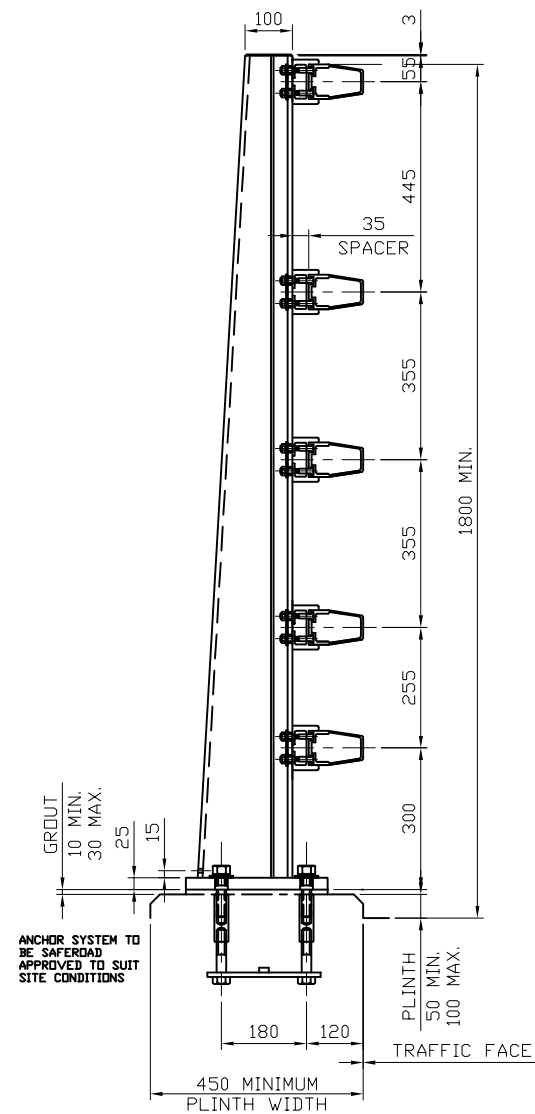
UNFACTORED POST BASE LOADS		IMPACT TEST CRITERIA	TB32 & TB11
ULTIMATE UNFACTORED DESIGN MOMENT OF RESISTANCE OF POST AT UNDERSIDE OF BASEPLATE	31.4 kNm	CONTAINMENT LEVEL	N2
		WORKING WIDTH	W3 (1.0m)
		IMPACT SEVERITY LEVEL	B
CO-EXISTANT SHEAR	50 kN	DYNAMIC DEFLECTION	0.6m

- GENERAL NOTES
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 - ALUMINIUM ALLOY EXTRUDED SECTIONS TO EN AW 6082 T6 IN ACCORDANCE WITH BS EN 515, BS EN 573-3, BS EN 573-4, BS EN 755-1, BS EN 755-2, BS EN 755-5, BS EN 755-7 AND BS EN 755-9. WITH THE ADDITIONAL MAIN RAIL REQUIREMENT THAT THE MINIMUM ELONGATION ON 50mm SHALL BE 10%.
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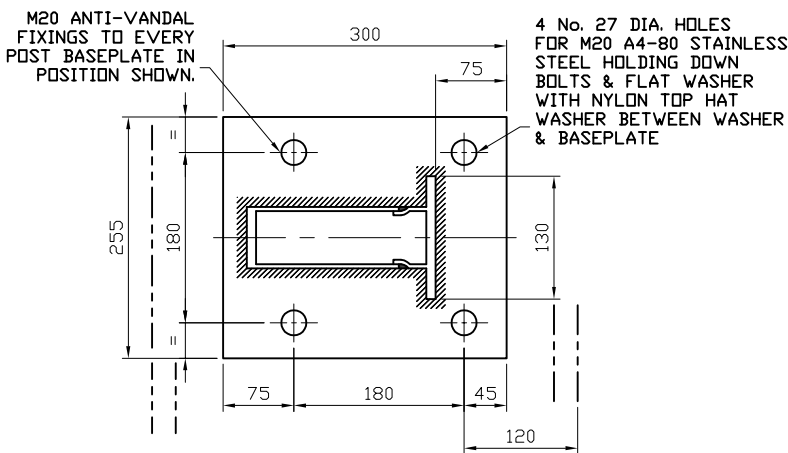


IF IN DOUBT ASK.

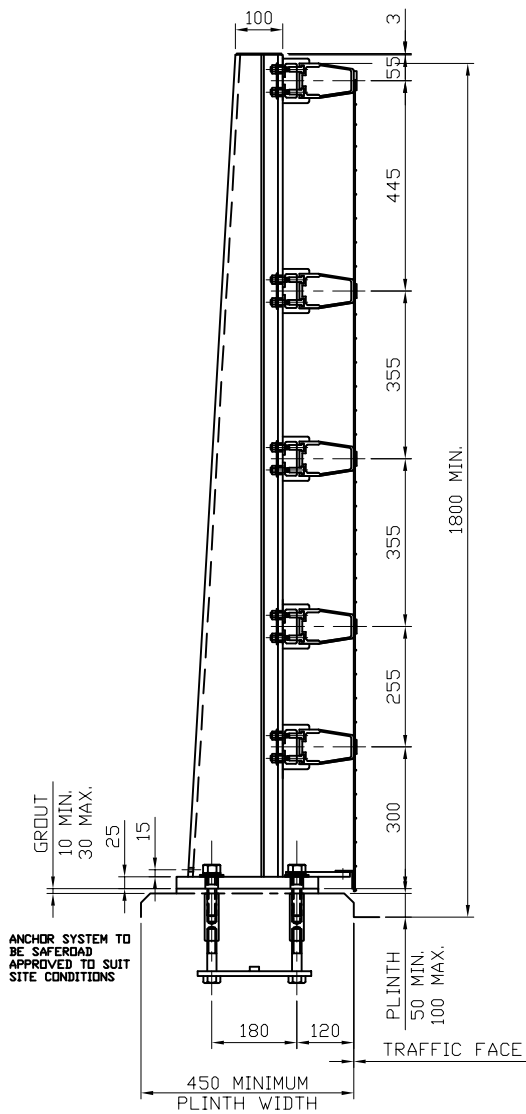
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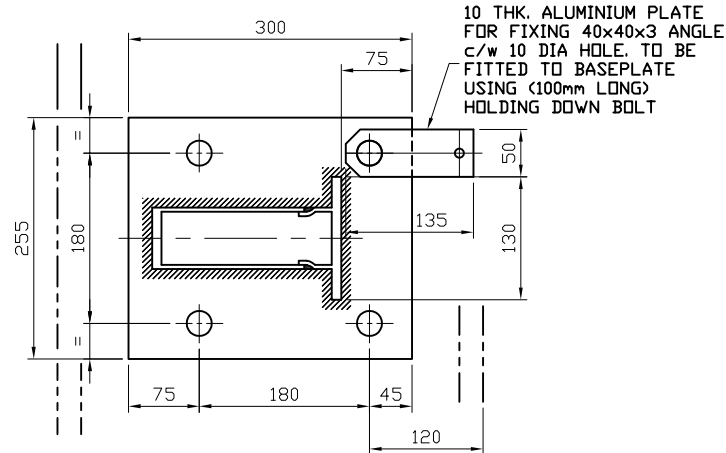
SECTION THROUGH PARAPET
PHO/N2/1.80/O
SCALE 1:6



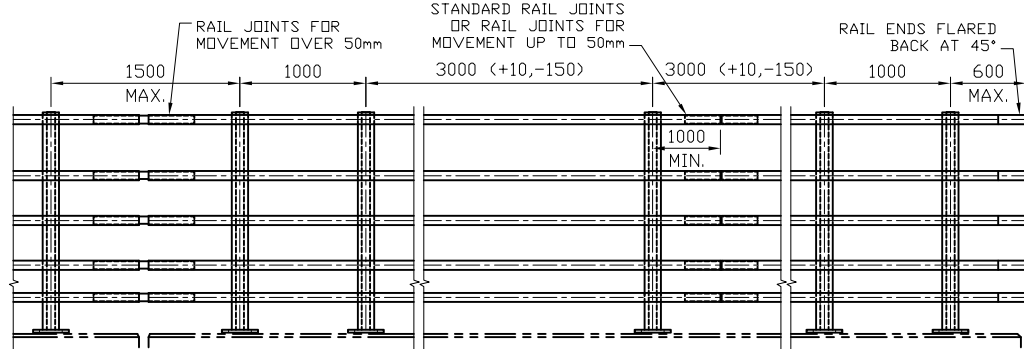
BASEPLATE DETAIL
SCALE: 1:8



SECTION THROUGH PARAPET
WITH MESH INFILL
PHO/N2/1.80/M
SCALE 1:6

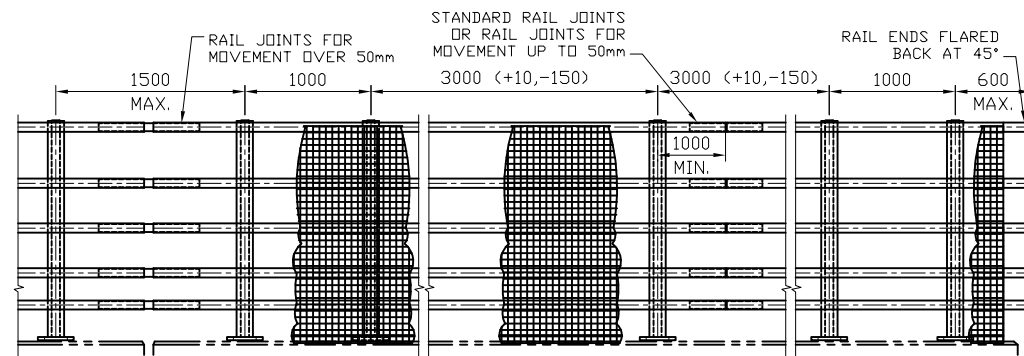


BASEPLATE DETAIL
PARAPETS WITH MESH INFILL
SCALE: 1:8

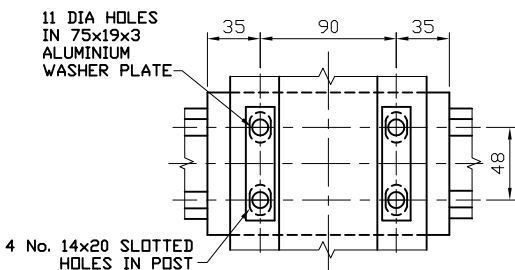


ELEVATION AND GENERAL ARRANGMENT OF PARAPET
SCALE: 1:60

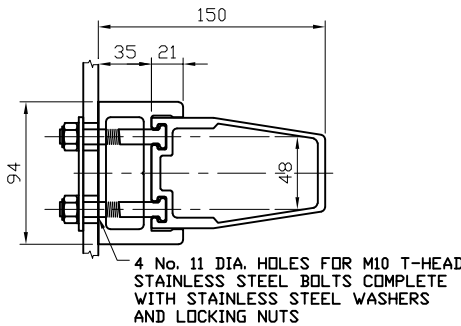
RAIL ENDS SHOWN FLARED BACK AT 45° FOR DETAILS OF PARAPET TO MEGAFLEX TRANSITION SEE DRG. No. PA 17943 & PA 17944



ELEVATION AND GENERAL ARRANGMENT OF PARAPET WITH MESH INFILL
SCALE: 1:60



RAIL TO POST FIXING DETAIL
SCALE: 1:5

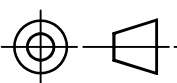


RAIL AND SPACER BRACKET SECTION
SCALE: 1:5

PARAPET PERFORMANCE			
UNFACTORED POST BASE LOADS		IMPACT TEST CRITERIA	TB32 & TB11
ULTIMATE UNFACTORED DESIGN MOMENT OF RESISTANCE OF POST AT UNDERSIDE OF BASEPLATE	31.4 kNm	CONTAINMENT LEVEL	N2
CO-EXISTANT SHEAR	50 kN	WORKING WIDTH	W3 (1.0m)
		IMPACT SEVERITY LEVEL	B
		DYNAMIC DEFLECTION	0.6m

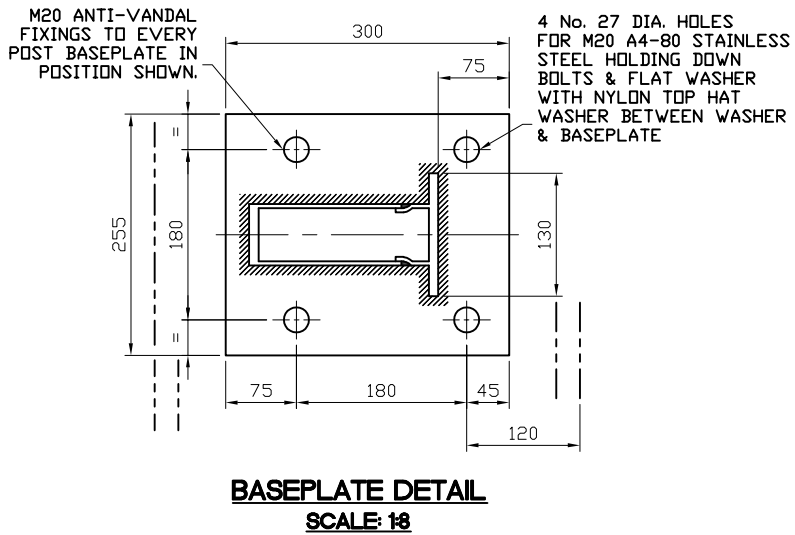
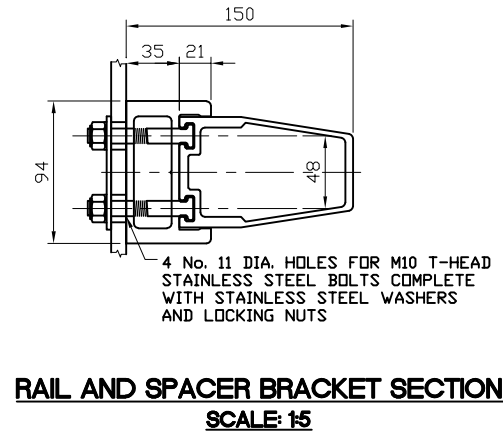
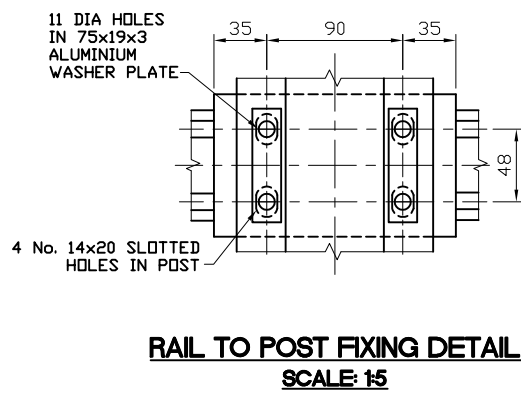
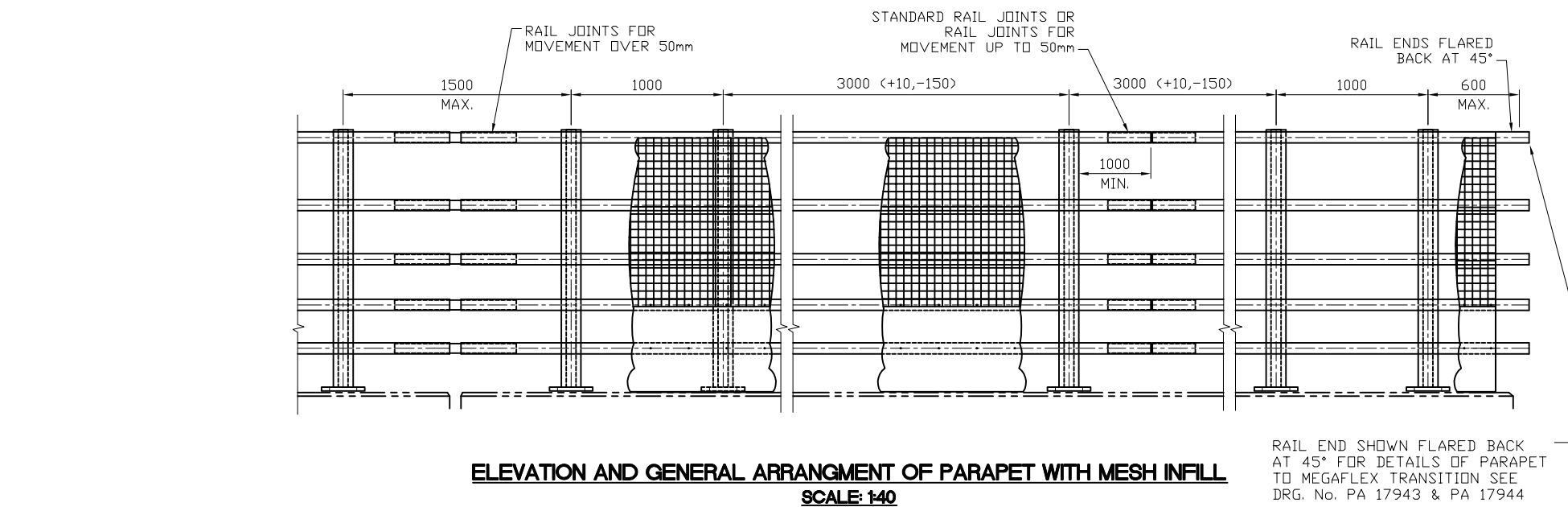
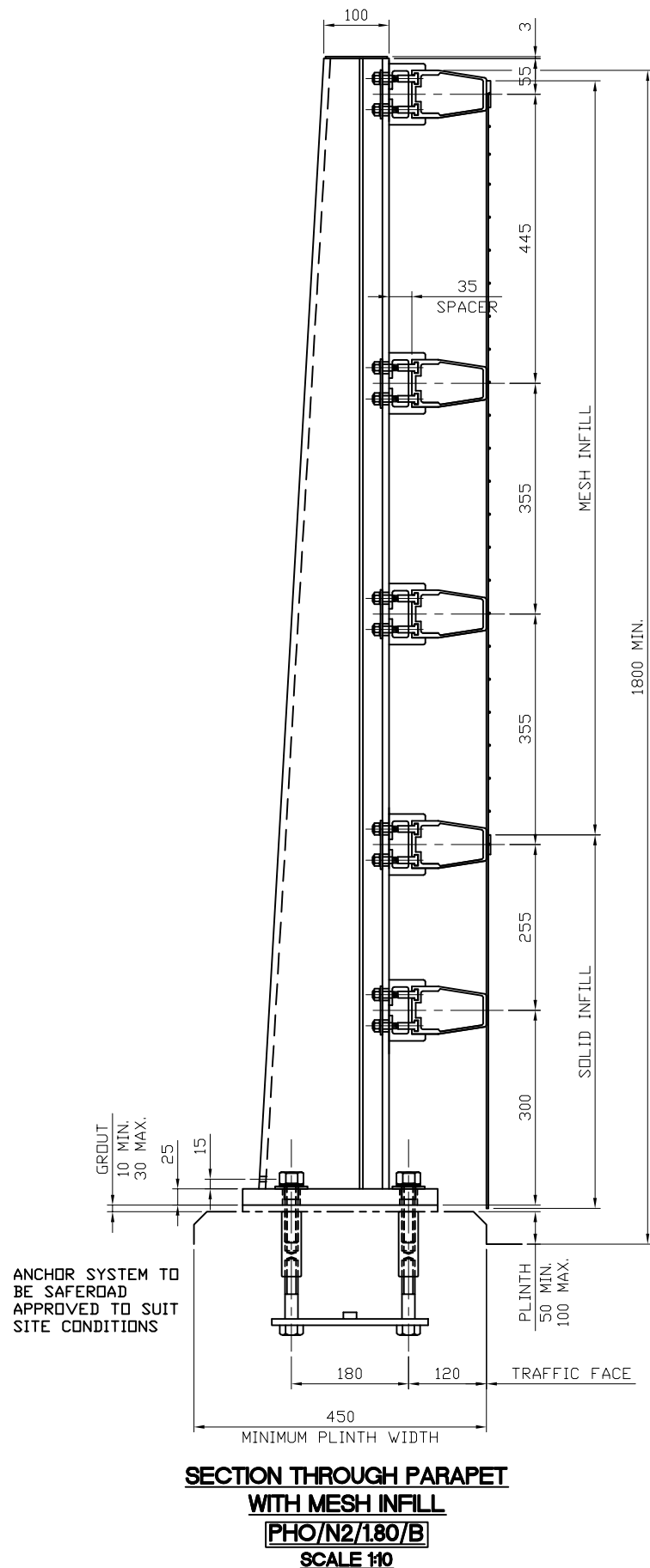
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- ALUMINIUM WELDING IN ACCORDANCE WITH BS EN 1011-4.
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- FOR FIXING OF MESH INFILL; ST. STEEL DRIVE RIVET OR SIMILAR, LENGTH TO SUIT LOCATION.
- FOR MATERIAL WEIGHTS REFER TO COMPONENT DRAWINGS.



IF IN DOUBT ASK.

DRAWING NOT TO BE SCALED.

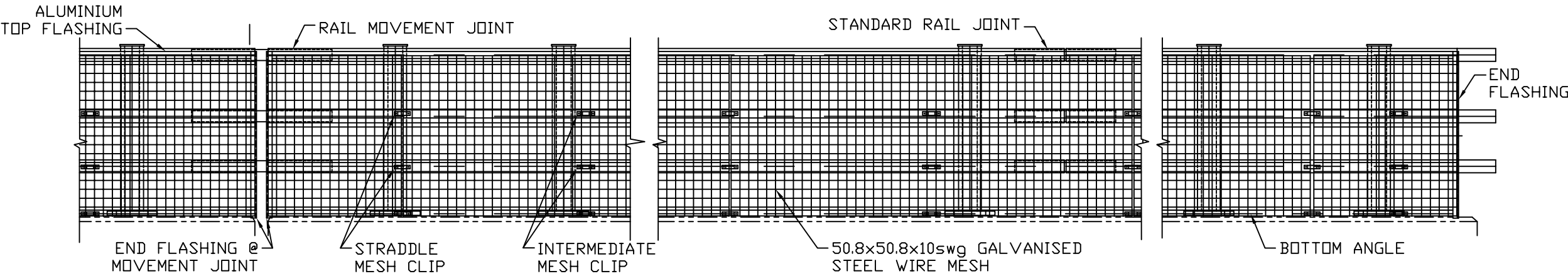


PARAPET PERFORMANCE			
UNFACTORED POST BASE LOADS		IMPACT TEST CRITERIA	TB32 & TB11
ULTIMATE UNFACTORED DESIGN MOMENT OF RESISTANCE OF POST AT UNDERSIDE OF BASEPLATE	31.4 kNm	CONTAINMENT LEVEL	N2
CO-EXISTANT SHEAR	50 kN	WORKING WIDTH	W3 (1.0m)
		IMPACT SEVERITY LEVEL	B
		DYNAMIC DEFLECTION	0.6m

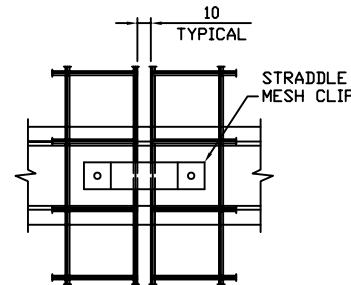
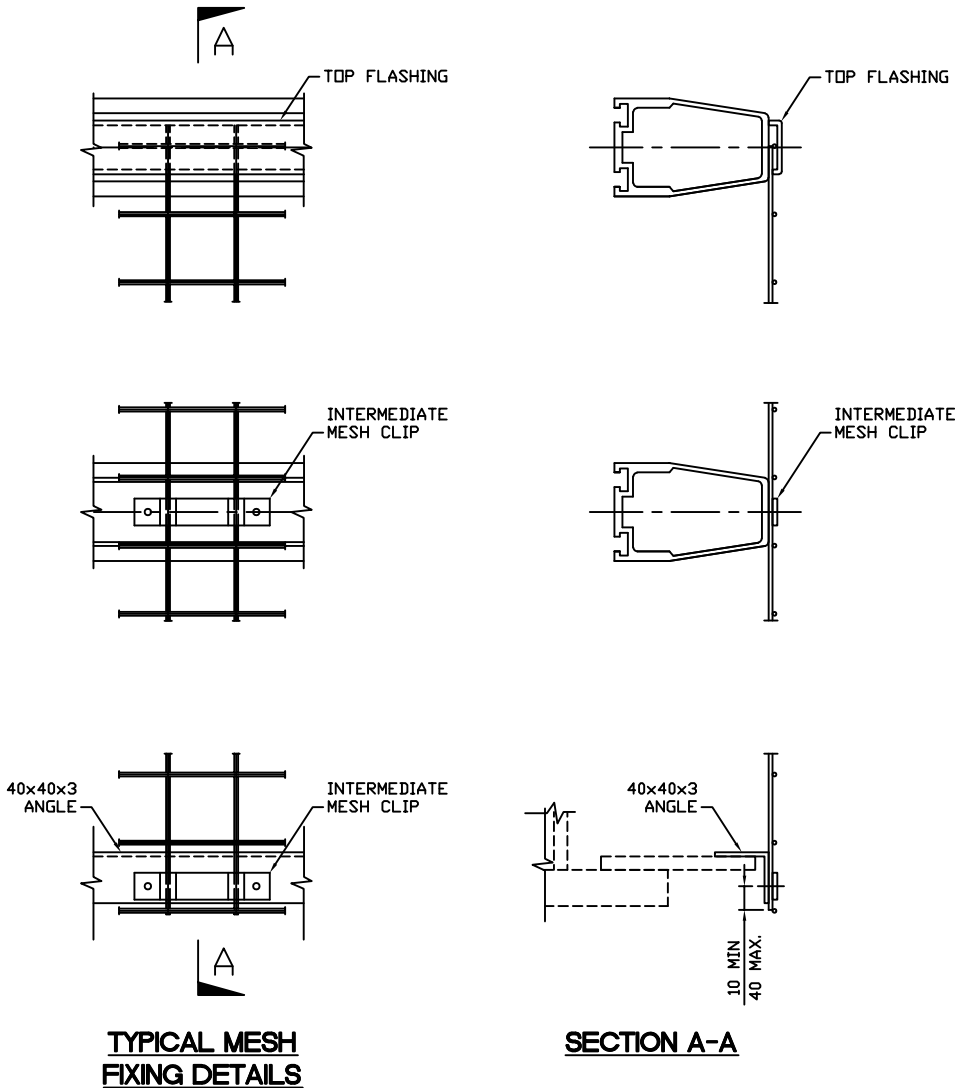
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 - FOR DETAILS OF MEGAFLEX TRANSITION (IF REQUIRED) SEE DRG No. PA 17943 Rev. 01 (APPROACH) & PA 17944 Rev. 01 (DEPARTURE).
 - MESH TO BE 50.8 x 50.8 x 10swg GALVANISED STEEL WIRE MESH.
 - SOLID INFILL TO BE 3mm THICK ALUMINIUM SHEET JOGGLED/OVERLAPPED 50mm ONTO NEXT SHEET. THESE CAN BE GRIT BLASTED IF REQUIRED.
 - FOR FIXING OF MESH & SOLID INFILL; ST. STEEL DRIVE RIVET OR SIMILAR, LENGTH TO SUIT LOCATION.
 - FOR MATERIAL WEIGHTS REFER TO COMPONENT DRAWINGS.

IF IN DOUBT ASK.

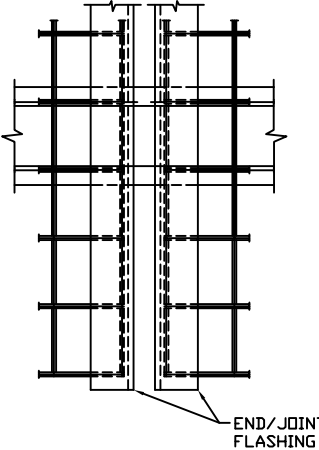
DRAWING NOT TO BE SCALED.



ELEVATION ON PARAPET SHOWING MESH ARRANGEMENT



VERTICAL MESH JOINT (STANDARD JOINT)

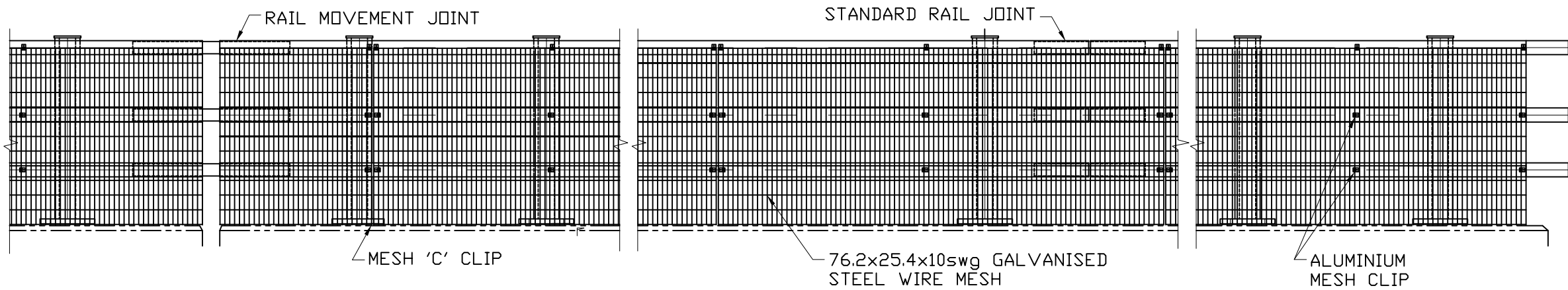


VERTICAL MESH FIXING (MOVEMENT JOINT + ENDS)

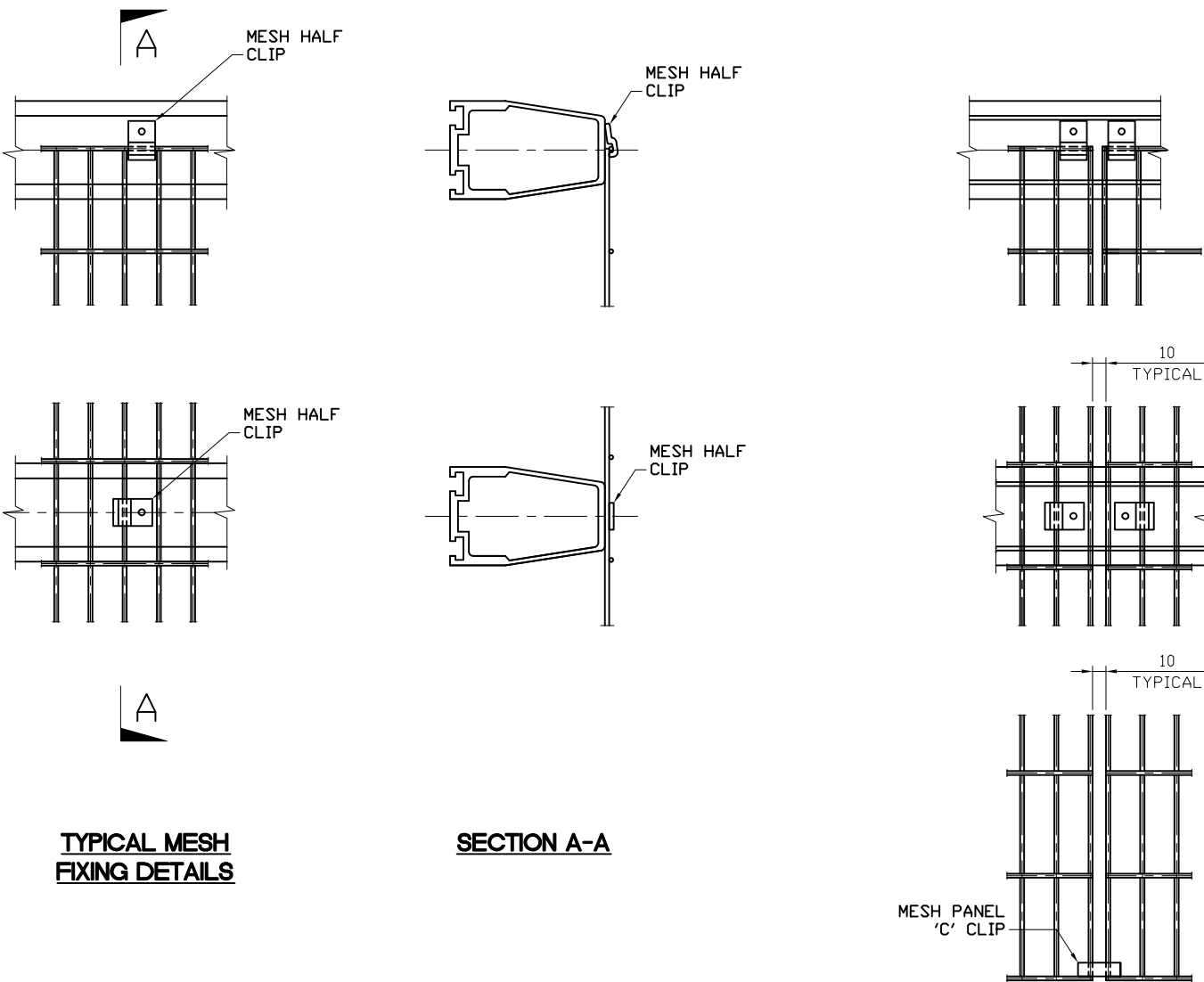
- GENERAL NOTES
1. MESH WIRES TO BE 10swg THICK SPACED AT 50.8 x 50.8.
 2. PANELS SHOWN TO BE 1832 x 917, CUT FLUSH ALL ROUND.
 3. MESH PANELS TO BE MILD STEEL GALVANISED TO BS EN ISO 1461:2009.
 4. LONGITUDINAL WIRES ARE TO FOLLOW THE LINE OF THE PARAPET & BE FACING OUTWARDS I.E OFF THE RAILS.
 5. ALL HOLES CUT INTO THE RAIL SECTIONS ARE TO BE CLEAN CUT, NORMAL TO THE SURFACE & THE CORRECT SIZE FOR THE FIXINGS.
 6. ANY HOLES DAMAGED IN PREPERATION FOR POP/DRIVE RIVETS OR SELF TAPPING SCREWS MUST BE PLUGGED WITH OR REPLACED BY AN OVERSIZED POP/DRIVE RIVET OR SELF TAPPING SCREW COMPLETE WITH A MASTIC WASHER.
 7. ANY VERTICAL EDGES OF PANELS AT EITHER THE ENDS OF THE PARAPET OR AT EXPANSION JOINTS THAT ARE 20mm OR MORE OUT OF VERTICAL TO BE CUT TO THE APPROPRIATE ANGLE WITH A TRIMMING WIRE WELDED ON.
 8. FOR MATERIAL WEIGHTS REFER TO COMPONENT DRAWINGS.
 9. NOMINAL WEIGHT OF MESH INFILL PANEL IS 4.5 Kg $\pm$ 5%
 10. DIMENSIONS ARE IN MILLIMETRES - UNLESS NOTED OTHERWISE.

IF IN DOUBT ASK.

DRAWING NOT TO BE SCALED.



ELEVATION ON PARAPET SHOWING MESH ARRANGEMENT



TYPICAL MESH
FIXING DETAILS

SECTION A-A

TYPICAL VERTICAL JOINT
IN MESH

- GENERAL NOTES
1. MESH WIRES TO BE 10swg THICK SPACED AT 76.2 x 25.4.
 2. PANELS SHOWN TO BE 1832 x 917, CUT FLUSH ALL ROUND.
 3. MESH PANELS TO BE MILD STEEL GALVANISED TO BS EN ISO 1461:2009.
 4. LONGITUDINAL WIRES ARE TO FOLLOW THE LINE OF THE PARAPET & BE FACING OUTWARDS I.E OFF THE RAILS.
 5. ALL HOLES CUT INTO THE RAIL SECTIONS ARE TO BE CLEAN CUT, NORMAL TO THE SURFACE & THE CORRECT SIZE FOR THE FIXINGS.
 6. ANY HOLES DAMAGED IN PREPERATION FOR POP/DRIVE RIVETS OR SELF TAPPING SCREWS MUST BE PLUGGED WITH OR REPLACED BY AN OVERSIZED POP/DRIVE RIVET OR SELF TAPPING SCREW COMPLETE WITH A MASTIC WASHER.
 7. ANY VERTICAL EDGES OF PANELS AT EITHER THE ENDS OF THE PARAPET OR AT EXPANSION JOINTS THAT ARE 20mm OR MORE OUT OF VERTICAL TO BE CUT TO THE APPROPRIATE ANGLE WITH A TRIMMING WIRE WELDED ON.
 8. FOR MATERIAL WEIGHTS REFER TO COMPONENT DRAWINGS.
 9. NOMINAL WEIGHT OF MESH INFILL PANEL IS 7.2 Kg $\pm 5\%$
 10. DIMENSIONS ARE IN MILLIMETRES - UNLESS NOTED OTHERWISE.

REV.	DATE	REMARKS	SIG.
-	-	-	-
MATERIAL:-		DRAWN:- M.Teal	CHECKED:- R.B
PROJECTION:-		DATE:- 18.07.13	SCALE:- Not to Scale
ISSUE DATE:-		DRG NO:- PHO / N2 / GA-010	REV:- 00

