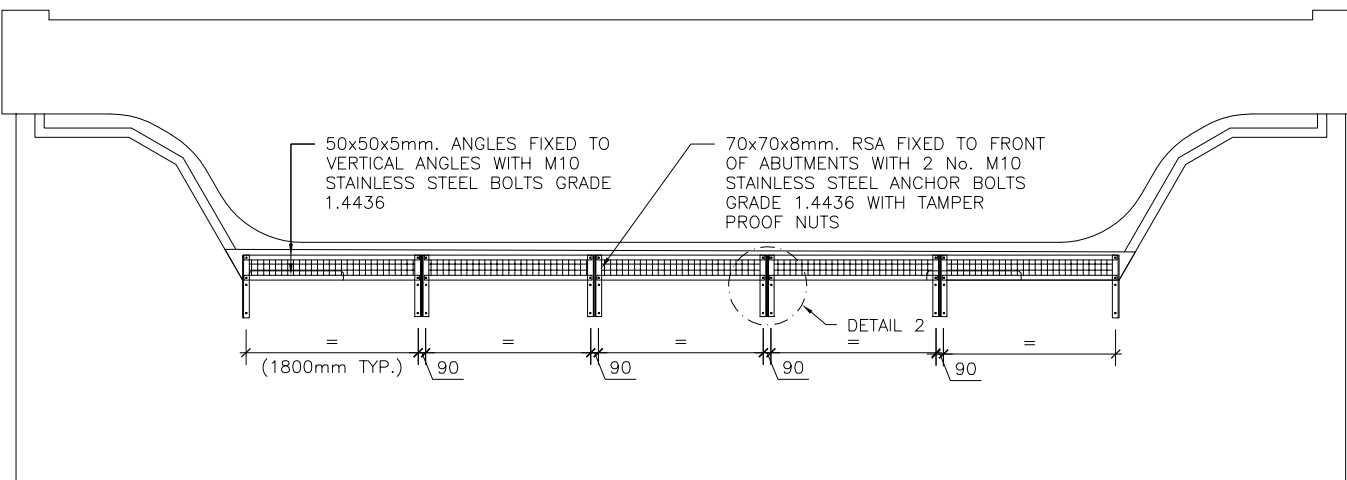
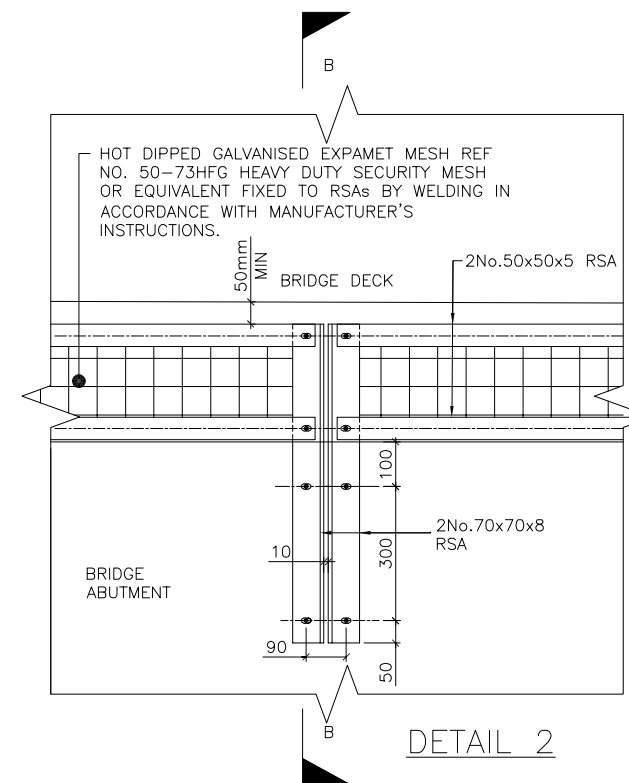


ELEVATION ON ABUTMENT SECURITY MESH



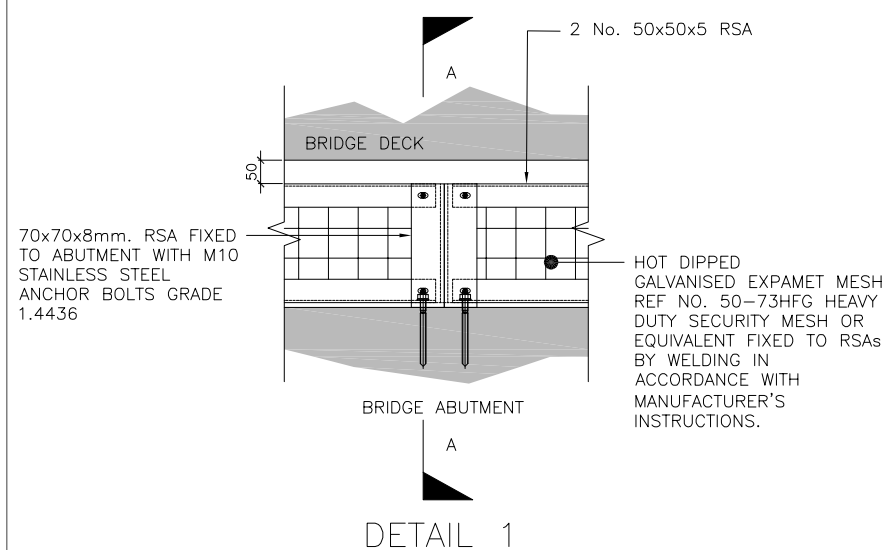
ELEVATION ON ABUTMENT SECURITY MESH (ALTERNATE DETAIL)



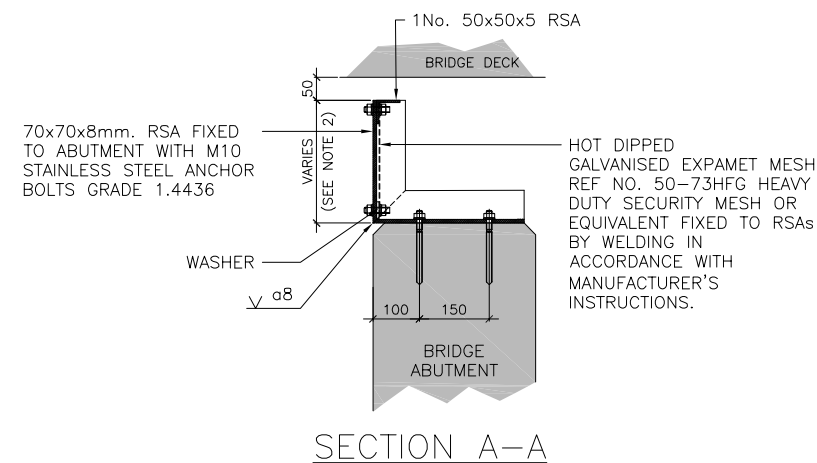
DETAIL 2

NOTES:

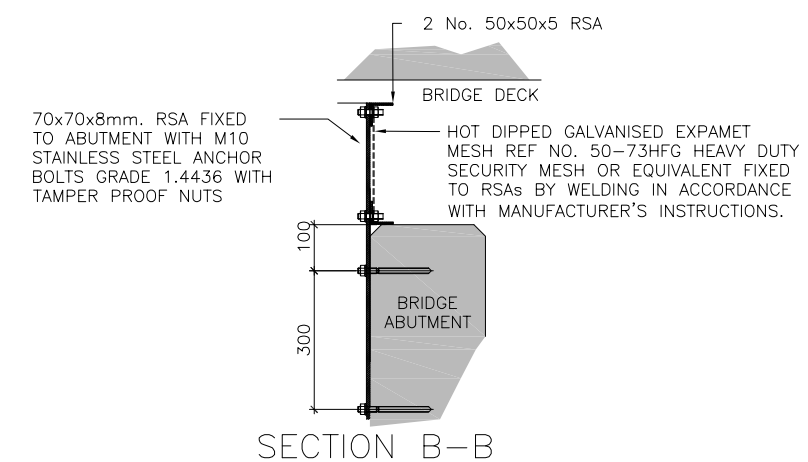
1. ALL DIMENSIONS IN MILLIMETRES, UNLESS OTHERWISE NOTED.
2. ALTERNATIVE DETAIL ONLY TO BE USED WHERE THE CLEARANCE BETWEEN BRIDGE ABUTMENT AND BRIDGE DECK DOESN'T ALLOW FOR INSTALLATION OF PREFERRED OPTION.
3. STRUCTURAL STEELWORK TO BE IN ACCORDANCE WITH SERIES 1800 OF TII SPECIFICATION FOR WORKS. ALL STEEL TO BE GRADE S275 J2 UNLESS NOTED OTHERWISE.
4. ALL SPLICES AND CONNECTORS TO BE FULLY TOP COATED AFTER ASSEMBLY. ALL GAPS SHALL BE SEALED.
5. STAINLESS STEEL CONNECTION TO BE ELECTRICALLY ISOLATED FROM GALVANISED STEEL MEMBERS USING NEOPRENE WASHERS.
6. ALL EDGES TO BE GROUND SMOOTH.
7. STEEL DIMENSIONS ARE SPECIFIED FOR A MEAN TEMPERATURE OF 12°C.
8. HARD STAMPING SHALL NOT BE PERMITTED ON PERMANENTLY EXPOSED SURFACES.
9. VISIBLE WELDS ON EXPOSED SURFACES SHALL BE GROUND FLUSH.
10. ALL NUTS TO BE LOCKING NUTS.
11. MINIMUM 4mm FILLET WELDS TO BE PROVIDED ON ALL SIDES.
12. MESH AND FRAME TO BE HOT DIP GALVANIZED IN ACCORDANCE WITH CC-SPW-01900. GALVANIZING COVERAGE RATE SHALL BE IN ACCORDANCE WITH EN-ISO-1461. STAINLESS STEEL SHALL BE USED FOR ANCHOR BOLTS, NUTS AND WASHERS.
13. MAXIMUM SIZE OF OPENINGS IN MESH SECURITY PANEL SHALL BE 50MM X 50MM
14. ALTERATION TO PROPOSED GALVANISED STRUCTURAL STEELWORK AFFECTED BY HOLES FOR BOLTS OR LOCAL CUTTING WILL BE PROVIDED WITH PROTECTIVE COATING IN ACCORDANCE WITH THE ORIGINAL COATING SYSTEM AND AGREED WITH THE DESIGNER. FOR PROPOSED STEELWORK SITE GALVANISING PAINT WITH EQUIVALENT PROTECTION TO THE PROTECTIVE COATING SYSTEM (CORROSION CATEGORY C5 AND 'VERY HIGH' DURABILITY) SHALL BE PROVIDED.
15. METHOD OF ERECTION TO BE AGREED WITH DESIGNER.
16. THE PURPOSE OF THIS DETAIL IS TO ENSURE CONSISTENCY OF ABUTMENT MESH FOR STRUCTURES ON THE NATIONAL ROAD NETWORK.
17. FOR EXISTING STRUCTURES, SURVEY TO BE CARRIED OUT TO CONFIRM REQUIRED DIMENSIONS PRIOR TO FABRICATION.
18. FABRICATION DRAWING TO BE PROVIDED TO DESIGNER IN ADVANCE OF FABRICATION.
19. THIS DESIGN IS FOR TYPICAL GAPS OF UP TO 500MM BETWEEN THE SUPERSTRUCTURE AND ABUTMENT, LARGER GAPS WILL REQUIRE A BESPOKE DESIGN
20. FOR EXISTING STRUCTURES, REINFORCEMENT SURVEY TO BE CARRIED OUT PRIOR TO FABRICATION TO AVOID CLASHING BETWEEN REBAR AND FIXINGS.
21. THE MINIMUM DESIGN LOAD OF EACH FASTENER IS 2890N.



DETAIL 1



SECTION A-A



SECTION B-B



ABUTMENT GALLERY SECURITY MESH

ACTIVITY		PUBLICATION TITLE			
STANDARD CONSTRUCTION DETAILS (SCD)		ABUTMENT GALLERY SECURITY MESH			
STREAM	SHEET	HISTORICAL REFERENCE	DOCUMENTATION SET	PUBLICATION DATE	PUBLICATION NUMBER
STANDARD CONSTRUCTION DETAILS (SCD)	A3	N/A	STANDARDS	FEBRUARY 2023	CC SCD 01852