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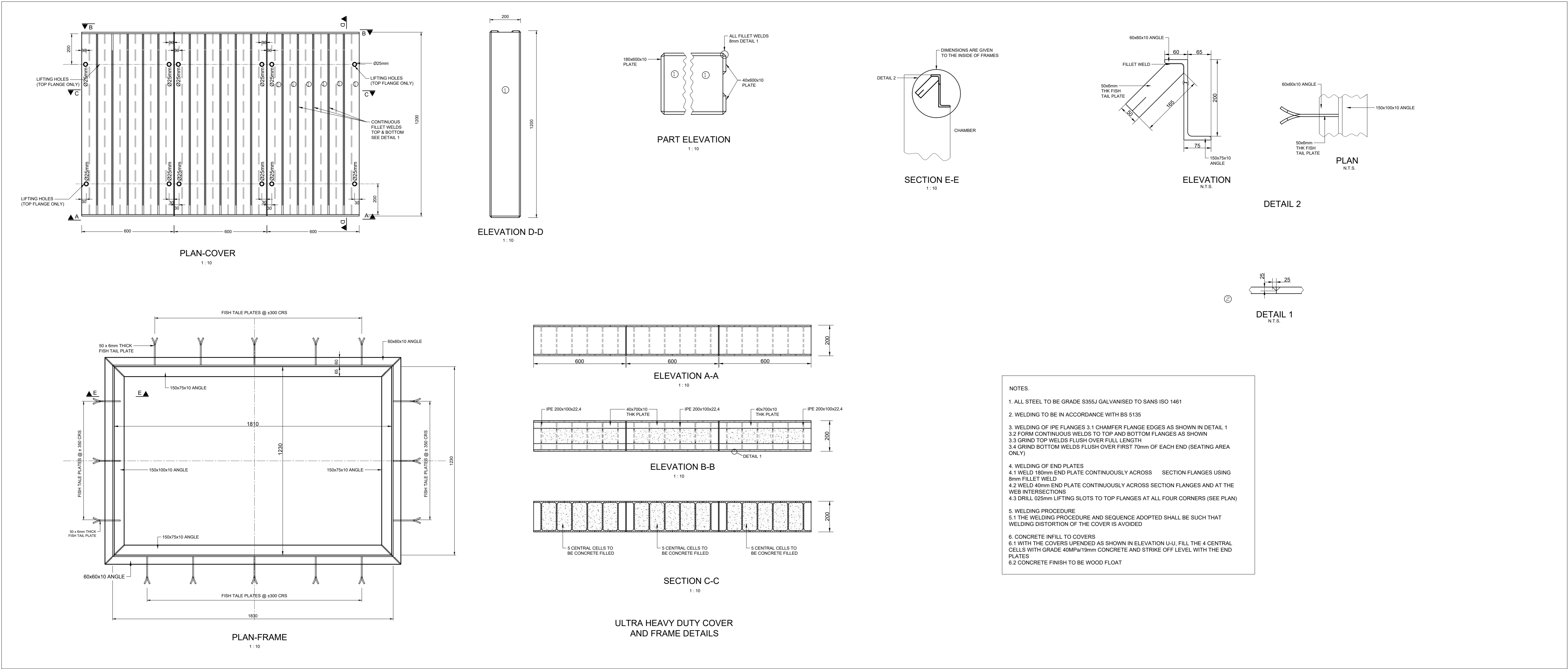
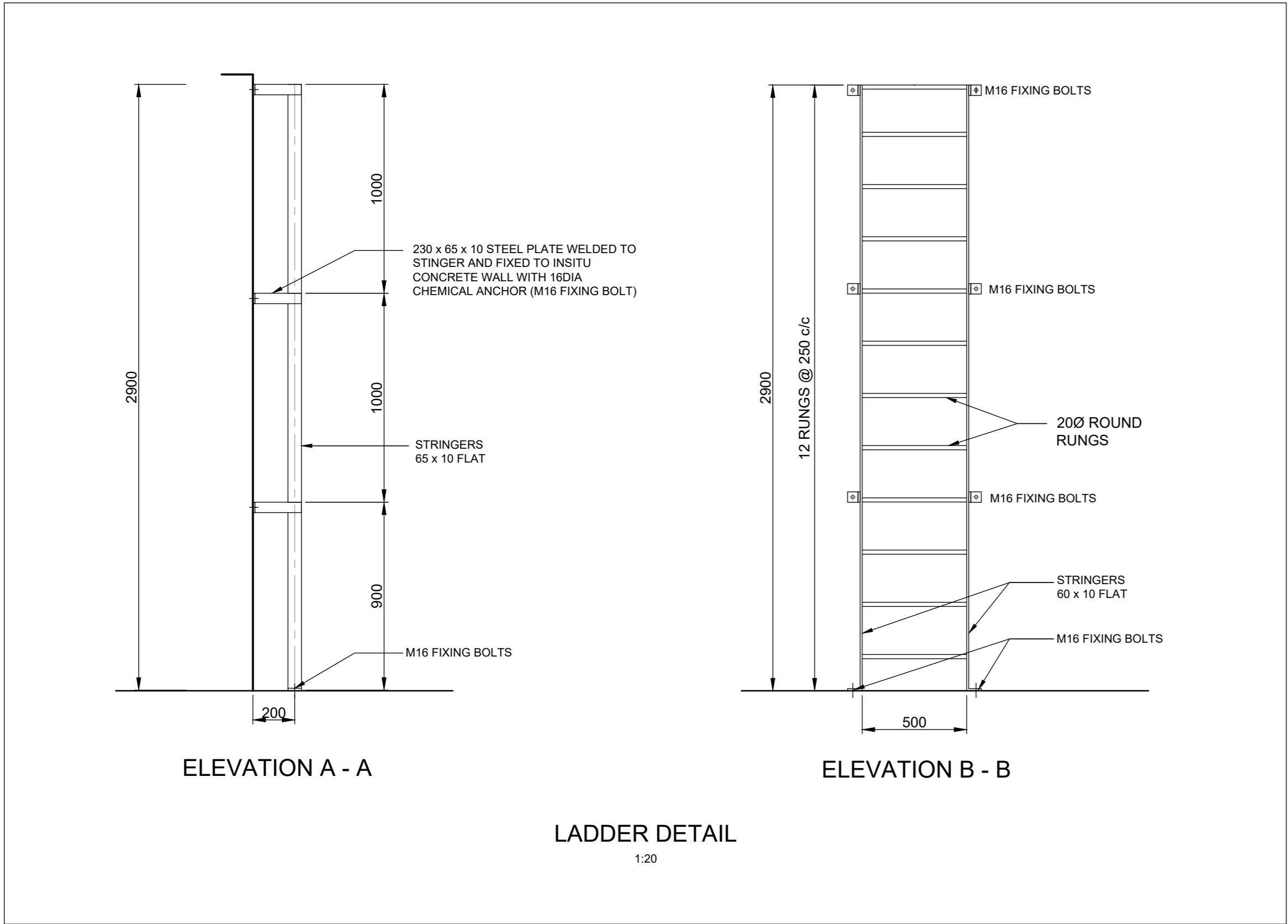
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NOTES:

1. ALL STEEL TO BE GRADE S355J GALVANISED TO SANS ISO 1461
2. WELDING TO BE IN ACCORDANCE WITH BS 5135
3. WELDING OF IPE FLANGES 3.1 CHAMFER FLANGE EDGES AS SHOWN IN DETAIL 1
3.2 FORM CONTINUOUS WELDS TO TOP AND BOTTOM FLANGES AS SHOWN
3.3 GRIND TOP WELDS FLUSH OVER FULL LENGTH
3.4 GRIND BOTTOM WELDS FLUSH OVER FIRST 70mm OF EACH END (SEATING AREA ONLY)
4. WELDING OF END PLATES
4.1 WELD 180mm END PLATE CONTINUOUSLY ACROSS SECTION FLANGES USING 8mm FILLET WELD
4.2 WELD 40mm END PLATE CONTINUOUSLY ACROSS SECTION FLANGES AND AT THE WEB INTERSECTIONS
4.3 DRILL 100mm LIFTING SLOTS TO TOP FLANGES AT ALL FOUR CORNERS (SEE PLAN)
5. WELDING PROCEDURE
5.1 THE WELDING PROCEDURE AND SEQUENCE ADOPTED SHALL BE SUCH THAT WELDING DISTORTION OF THE COVER IS AVOIDED
6. CONCRETE INFILL TO COVERS
6.1 WITH THE COVERS UNOPENED AS SHOWN IN ELEVATION U-U, FILL THE 4 CENTRAL CELLS WITH GRADE 40MPa/19mm CONCRETE AND STRIKE OFF LEVEL WITH THE END PLATES
6.2 CONCRETE FINISH TO BE WOOD FLOAT

		GENERAL NOTES										CONTRACTOR / CONSULTANT										TRANSNET CAPITAL PROJECTS										Transnet Port Terminals																																																																															
		1. THE CONTRACTOR SHALL ALLOW FOR ALL STANDARDS/SPECIFICATIONS WHICH ARE REFERRED TO IN THESE NOTES AND WHICH ARE APPLICABLE ON SITE.										8. ALL EXPOSED CONCRETE TO BE CHAMFERED 20mm x 20mm UNLESS OTHERWISE SHOWN.										16. PAINTING OF STEELWORK TO SANS 1200HC. APPLY SYSTEM 013-018 IN ACCORDANCE WITH SANS 0120HC. COLOUR TO BE DETERMINED BY CLIENT.										TITLE										TITLE										NAME										NAME										SIGN										SIGN										DATE										DATE									
		2. DRAWINGS MUST NOT BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE USED.										SYMBOLS: R - MILD STEEL WITH CHARACTERISTIC STRENGTH OF 235MPa										17. FABRICATORS TO SUBMIT TWO COPIES OF ALL SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF FABRICATION.										DRAWN										TT										10										10										10										10																													
		3. ALL DIMENSIONS AND LEVELS SHALL BE VERIFIED ON SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.										Y - HOT ROLLED OR COLD WORKED HIGH STRENGTH BARS WITH CHARACTERISTIC STRENGTH OF 500MPa																				CHECKED										SS										10										10										10										10																													
		4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.										(ONLY REINFORCEMENT FABRICATED UNDER THE SABS MARK SCHEME SHALL BE DEEMED TO COMPLY WITH SABS REQUIREMENTS).																				DESIGNED										TT										10										10										10										10																													
		5. CONCRETE PLACING TO BE DONE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:										a) 50mm MAX. BUNDLING SHALL BE PROVIDED																				CHECKED										PM										10										10										10										10																													
		a) CONCRETE WORK TO TRANSNET'S SPECIFICATION SABS AND SANS 10050.										FORMWORK AND SURFACE FINISH FORMED SURFACES:																				OPERATING DIVISIONS																																																																															
		b) CONCRETE PLACING TO BE DONE IN ACCORDANCE WITH SANS 10100 PART 2, CLAUSE 10.2.										SMOOTH																				TITLE										TITLE										NAME										NAME										DATE										DATE																													
		c) CONCRETE CURE STRENGTHS ARE CHARACTERISTIC STRENGTHS TO SANS 10100 PARTS 1 AND 2										d) UNEXPOSED SURFACE																				PRENG / PR TECH/PR ARCH																																																																															
		6. CONCRETE STRENGTHS AT 28 DAYS:										e) UNEXPOSED SURFACE																				STILLING BASIN																																																																															
		a) CONCRETE WORK TO TRANSNET'S SPECIFICATION SABS AND SANS 10050.										GROUT TO BE FLOWABLE SELF-LEVELLING EPOXY GROUT																				SIGNATURE										F. MAMARAJ										DATE										DATE																																																	
		b) CONCRETE PLACING TO BE DONE IN ACCORDANCE WITH SANS 10100 PART 2, CLAUSE 10.2.										STEELWORK TO BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE SPECIFICATIONS IN SANS 2001-281 AND SANS 10050.																				DETAILS																																																																															
		c) CONCRETE CURE STRENGTHS ARE CHARACTERISTIC STRENGTHS TO SANS 10100 PARTS 1 AND 2										ALL HOT-ROLLED STEEL SECTIONS AND PLATES TO GRADE S355JR TO EN10025.																				REG. NUMBER										2009070238										DATE										DATE																																																	
		7. COVER TO REINFORCEMENT:										CORROSION PROTECTION OF STEELWORK:																				SCALE										1:50										DATE										DATE																																																	
		a) CONCRETE WORK TO TRANSNET'S SPECIFICATION SABS AND SANS 10050.										ALL STEELWORK INCLUDING BOLTS,NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED TO SANS 121 (ISO 1461).																				PROJECT NUMBER										20010157										DATE										DATE																																																	
		b) CONCRETE PLACING TO BE DONE IN ACCORDANCE WITH SANS 10100 PART 2, CLAUSE 10.2.										TABLE 3. NUTS WITH OVERSIZED THREADS SHALL BE USED TO COMPENSATE FOR THE GALVANIZING ON THE BOLT THREADS.																				DRAWING NO										20010157										DATE										DATE																																																	
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		8. ALL EXPOSED CONCRETE TO BE CHAMFERED 20mm x 20mm UNLESS OTHERWISE SHOWN.																														NO										ISSUED FOR DATE REVIEW										BY										SS										10										10																													
		9. REINFORCEMENT SHALL COMPLY WITH SANS 820 AND BENT TO SANS 282.																														DATE										DESCRIPTION										TT										CHK										APPD										DATE																													
		SYMBOLS: R - MILD STEEL WITH CHARACTERISTIC STRENGTH OF 235MPa																																																																																																													
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