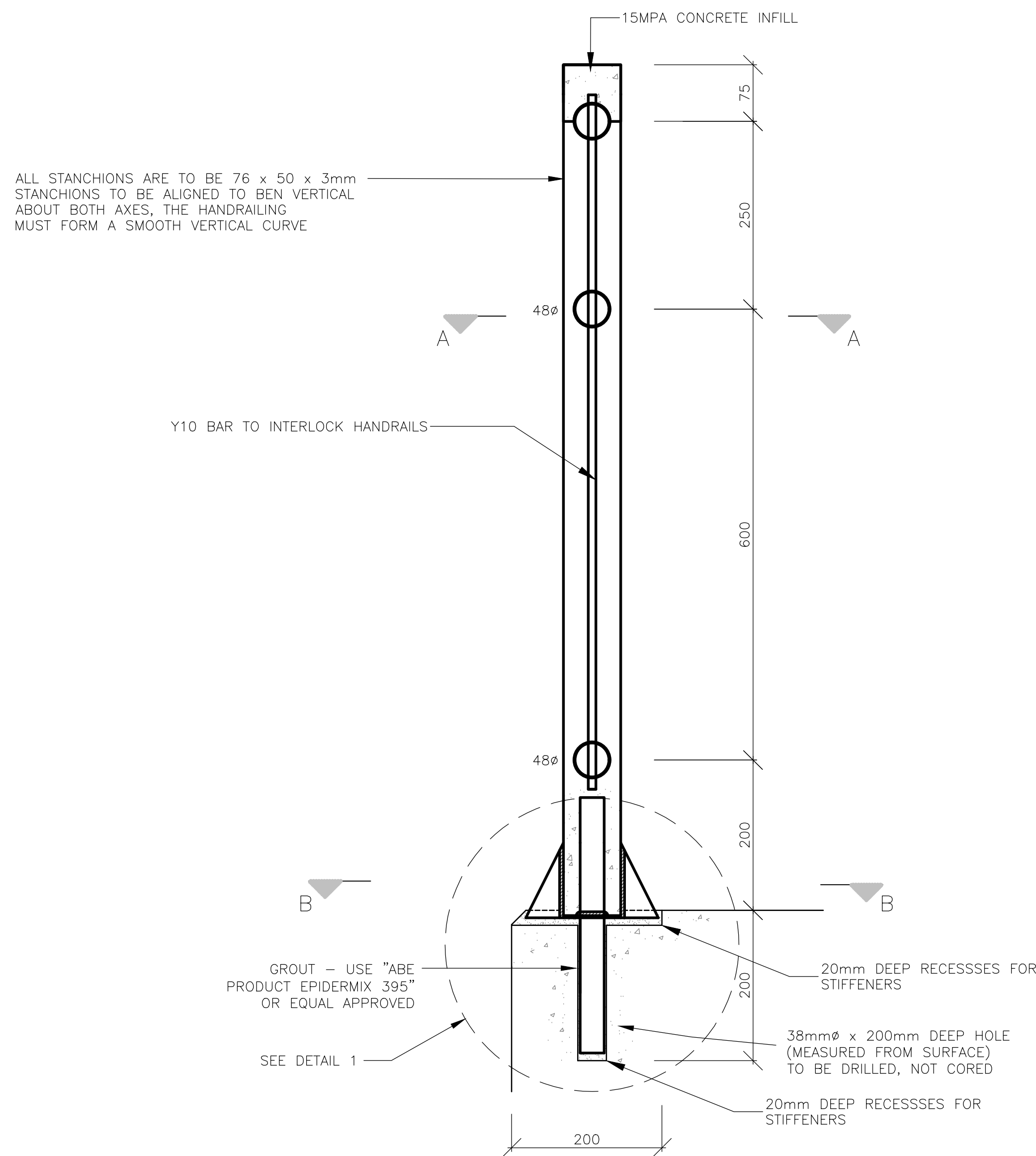
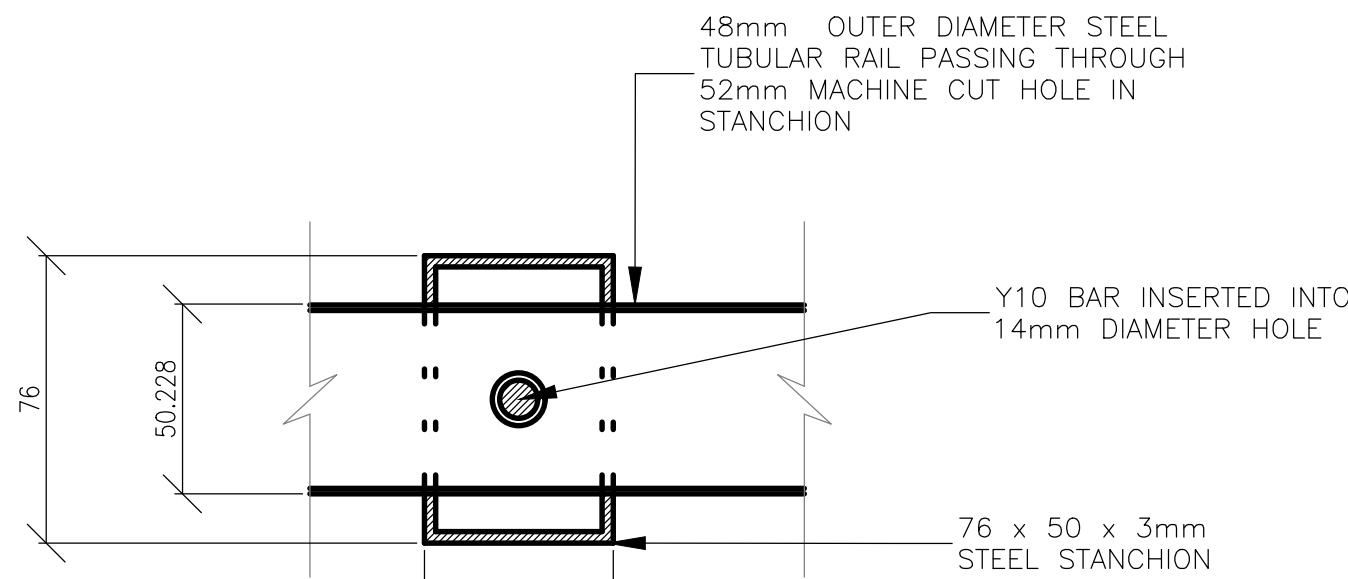


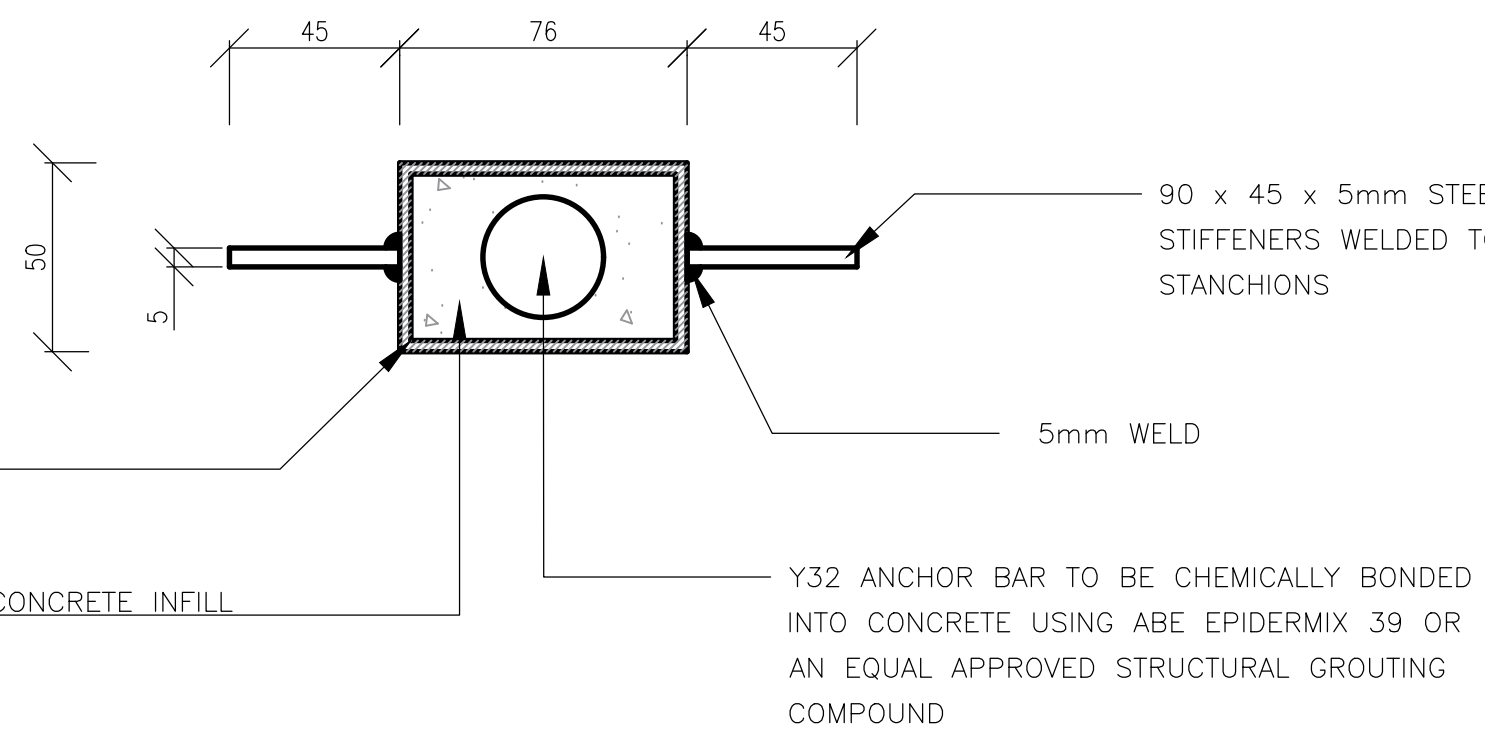
ELEVATION OF HANDRAIL
N.T.S



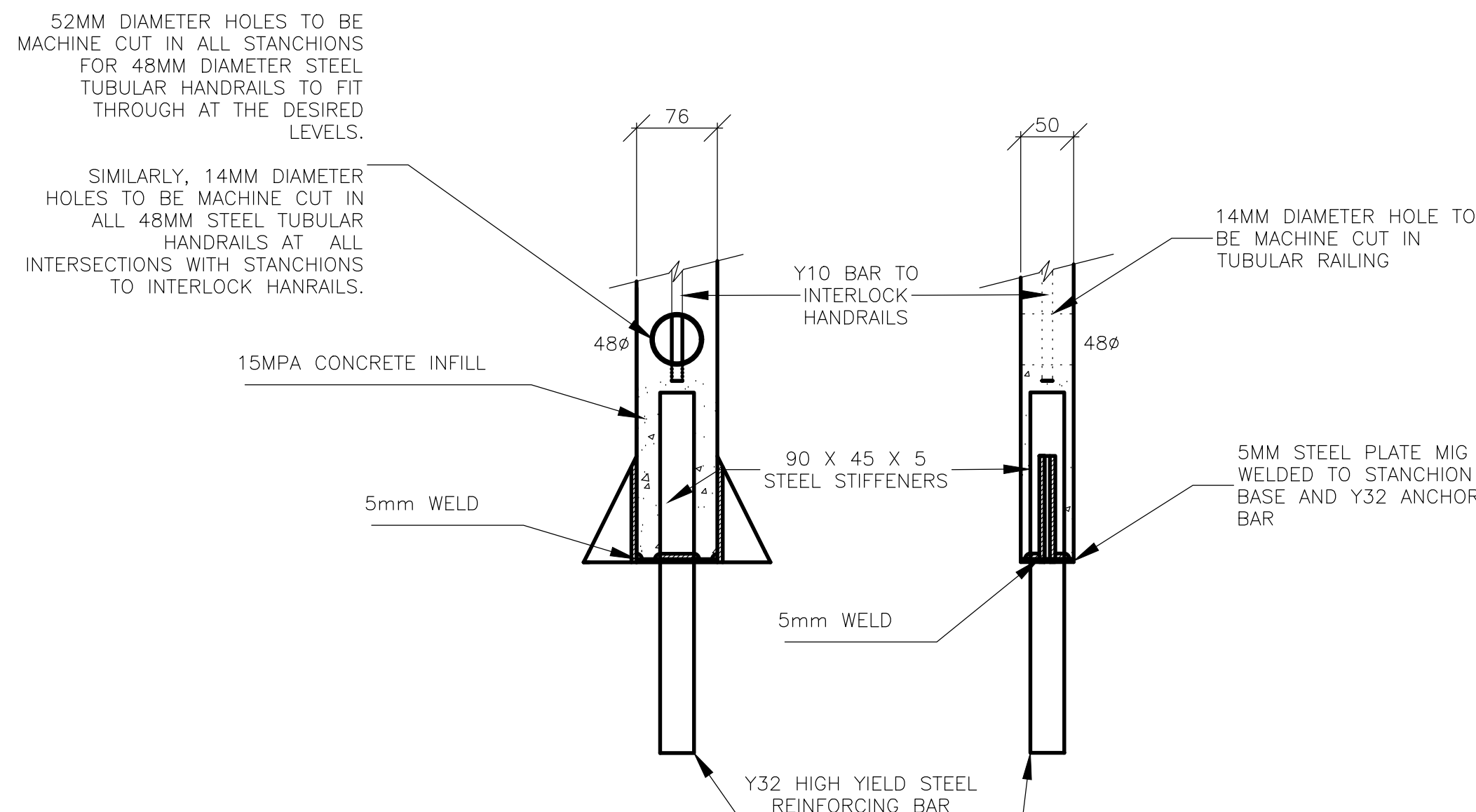
STANCHION INSTALLED IN CONCRETE
N.T.S



SECTION A-A
N.T.S



SECTION B-B
N.T.S



DETAIL 1
N.T.S

NOTES:

1.REMOVAL OF EXISTING PARAPETS AND DRILLING OF POCKETS

NEATLY CUT AND GRIND ALL EXISTING ALUMINIUM HANDRAILS TO 6mm BELOW THE SURFACE. THE EXISTING ALUMINIUM HANDRAILS ON THE STAIRWAYS TO BE DISPOSED OF BY THE CONTRACTOR. APPLICATION OF Sika MONOTOP 612 OR EQUAL APPROVED TO DAMAGED CONCRETE.

ACCURATELY SET OUT, AND INDELIBLY MARK, THE LONGITUDINAL CENTRELINES OF THE HOLES TO BE DRILLED, AND MEASURE OUT AND MARK OFF THE HOLE CENTRE POSITIONS IN PREPARATION FOR THE DRILLING, BASED ON A SETTING-OUT ORIGIN (TO BE DETERMINED ON SITE).

DETERMINE THE POSITION OF THE EXISTING REINFORCEMENT BY USING A COVER METER, AND ADJUST THE SETTING-OUT OF THE HOLES ACCORDINGLY.

SUPERVISE AND DIRECT THE DRILLING TO ENSURE ACCURATE ADHERENCE TO THE GIVEN HOLE POSITIONS, ACHIEVEMENT OF THE MINIMUM DEPTHS AND THAT THE HOLES ARE PLUMB.

ONCE THE DRILLING HAS BEEN COMPLETED, CUT 20mm DEEP X 10mm WIDE X 270mm LONG TRANSVERSE SLOTS CENTERED ACROSS THE POCKETS FOR THE STABILISING PLATES ON THE HANDRAIL STANCHIONS.


THE HORIZONTAL AND VERTICAL ALIGNMENT OF THE PROPOSED HANDRAIL TO BE PLUMB IN BOTH PLANES

GROUT THE STANCHIONS IN THE POCKETS USING ABE "EPIDERMIX 395" OR EQUAL APPROVED, ENSURING THAT THE GROUT COMPLETELY FILLS THE POCKETS AND THAT ALL THE AIR HAS BEEN EXPELLED.

50mm DIAMETER POCKETS TO BE DRILLED VERTICALLY (PLUMB) INTO THE CONCRETE TO A DEPTH OF NOT LESS THAN 200mm. WHEN THE DRILL IS REMOVED, THE DEPTH MUST BE AT LEAST 200mm. THE POCKETS MUST BE CLEANED TO REMOVE ALL LOOSE DUST PRIOR TO GROUTING.

GENERAL

- ALL ASPECTS OF THE STRUCTURAL STEELWORK ARE TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF SABS 10162 : THE STRUCTURAL USE OF STEEL.
- ALL STEEL IS TO BE GRADE 300W.
- STANDARDS TO BE FABRICATED FROM STANDARD 76 X 50 X 3MM AND 48MM DIAMETER STEEL TUBES.
- ALL WELDS TO BE 5 mm MIG (UNLESS OTHERWISE SPECIFIED). WELD SCALE AND SPLATTER ARE TO BE REMOVED BY WIRE BRUSHING, OR GRINDING WHERE NECESSARY, PRIOR TO GALVANISING.
- ALL HOLES TO BE MACHINE CUT.
- ALL BURR TO BE REMOVED AND SHARP EDGES SMOOTHED OFF AFTER MACHINING.
- ALL STANDARDS, RAILINGS, COUPLINGS AND CAPS TO BE HOT-DIP GALVANISED IN ACCORDANCE WITH SANS 121/ISO 1461 TO 85 MICRON MINIMUM THICKNESS. NO GALVANISED COMPONENT IS TO BE SUBJECTED TO ANY CUTTING, BENDING, WELDING, HEATING, ABRADING OR ANY OPERATION LIKELY TO RESULT IN DEFORMATION OF THE COMPONENT OR DAMAGE TO ITS PROTECTIVE COATING.
- NOMINAL 48mm OUTER DIAMETER TUBULAR RAILING TO BE THREADED AT EITHER END TO TAKE COUPLINGS OR CAPS AS REQUIRED. NOTE THAT THE THREADED LENGTHS MUST BE CURTAILED SO AS NOT TO EXPOSE UNTREATED STEEL TO CORROSION.

REVISIONS	NO	DATE	DESCRIPTION	EXAM	APP		H. SCHOLTZ DIRECTOR: ROADS INFRASTRUCTURE MANAGEMENT			S. MOHAMED HEAD: STRUCTURES ROADS INFRASTRUCTURE MANAGEMENT	CITY OF CAPE TOWN ROADS INFRASTRUCTURE MANAGEMENT	CONTRACT NO. 6Q/2025/26 STRUCTURES TERM TENDER			 <div>CITY OF CAPE TOWN ISIXEKO SASEKAPA STAD KAAPSTAD</div> <div>Making progress possible. Together.</div>	A0	SCALE	AS SHOWN
						DESIGNED BY						CoCT PROJECT NO.	S5023					
						DRAWN BY	M. VILJOEN	JAN 2024				CoCT DRAWING NO.	5002					
						CHECKED BY	W. KRIEL	JAN 2024										
						APPROVED BY	S. MOHAMED	JAN 2024										
					S.M													
00	AUGUST 2025	ISSUED FOR TENDER		S.M		CORR FILE	CORR FILE	EST. No									00	

FOR TENDER