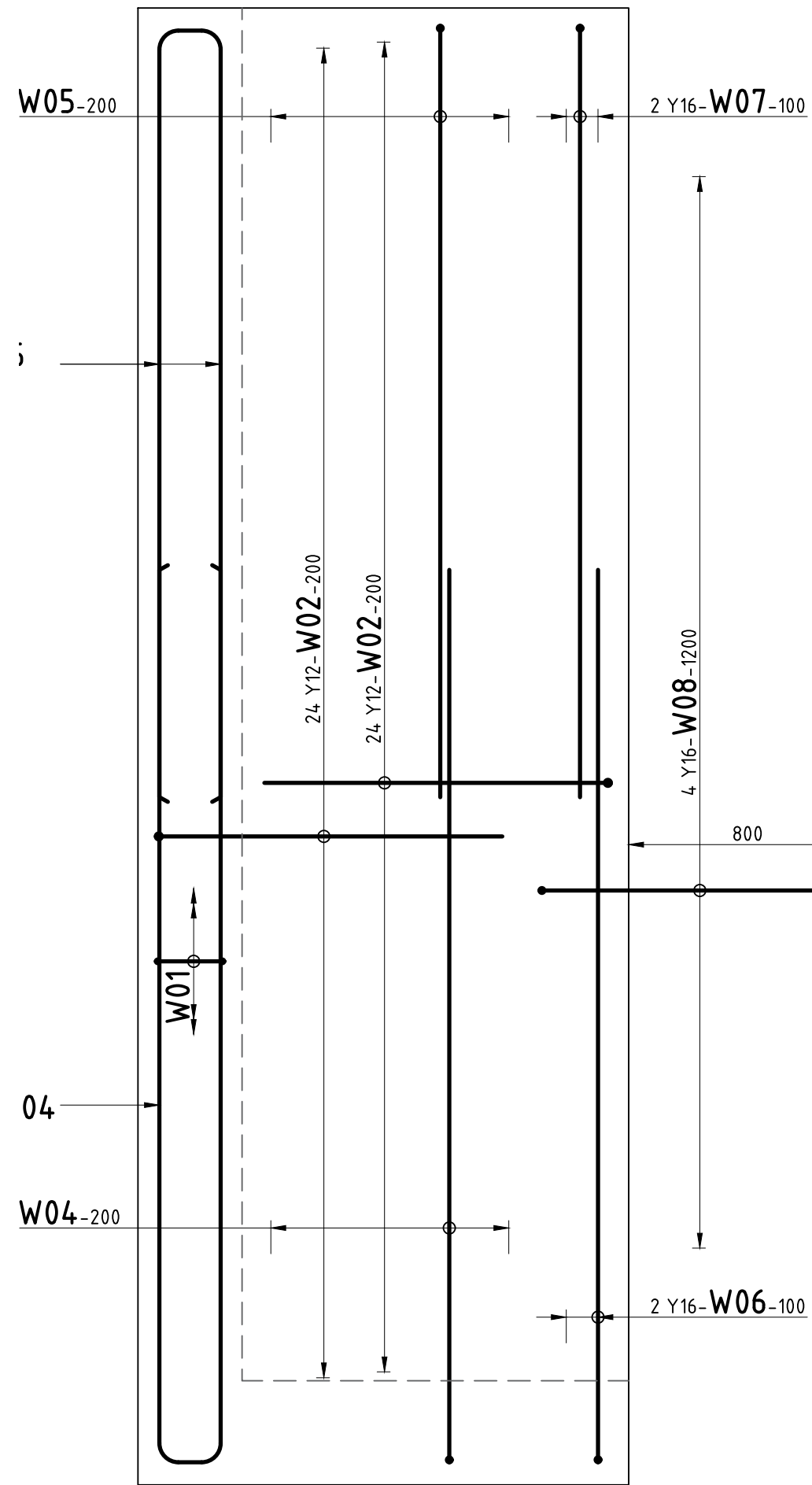
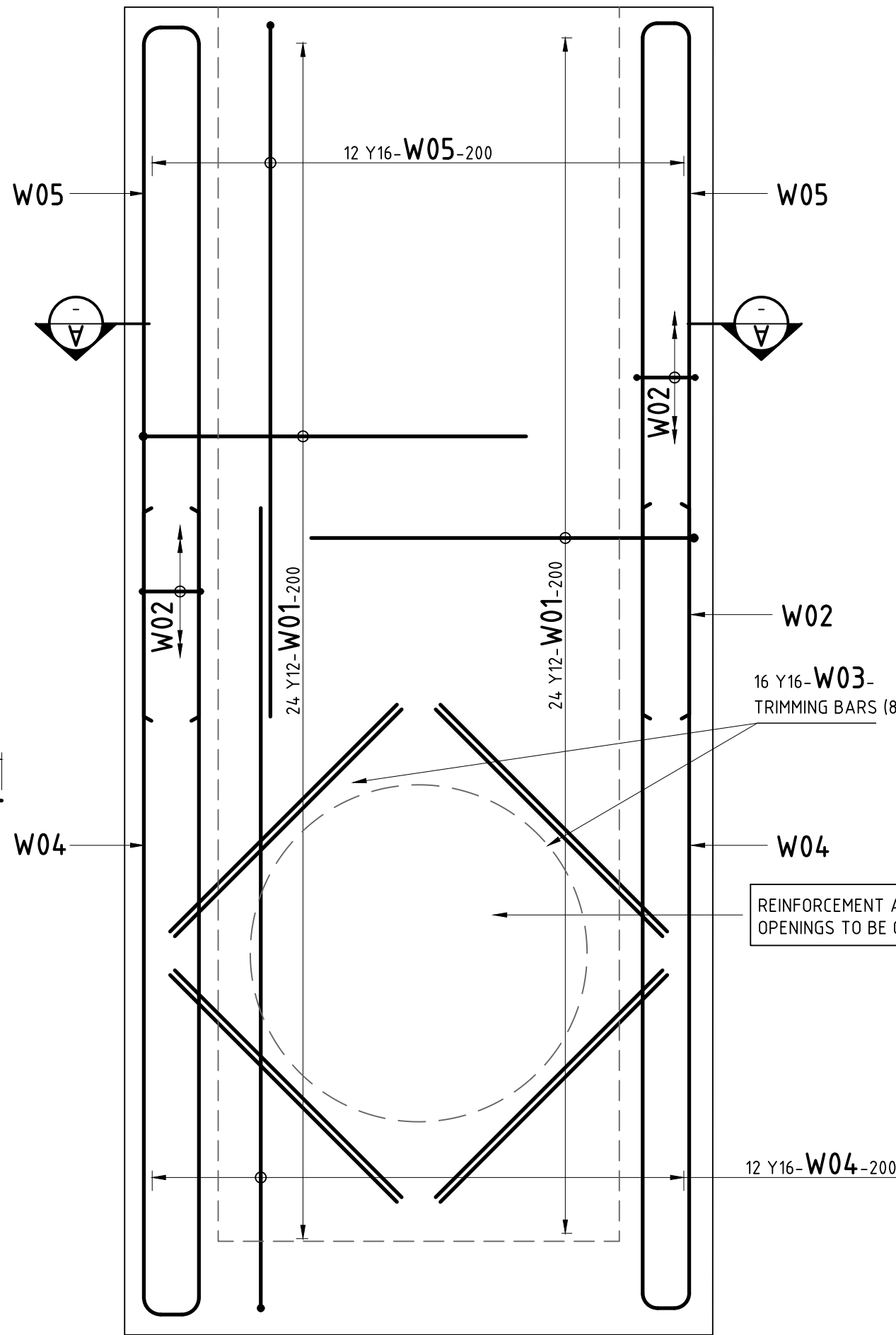


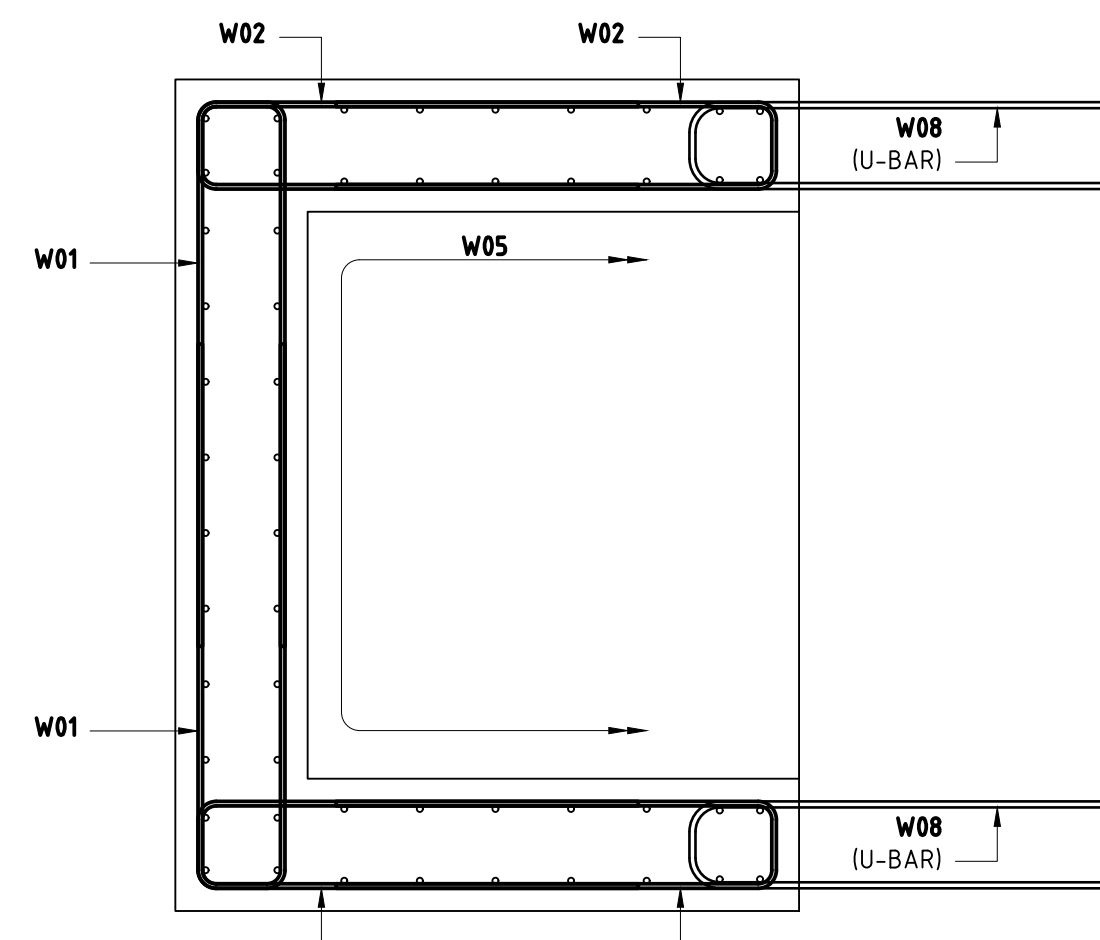
DO NOT SCALE - IF IN DOUBT, ASK



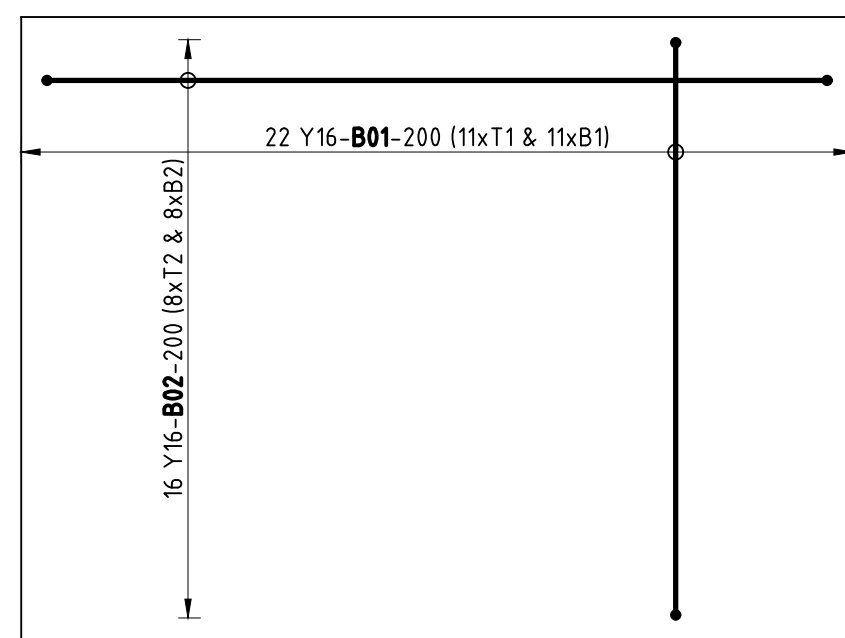
SIDE ELEVATION MANHOLE 1B
1:20



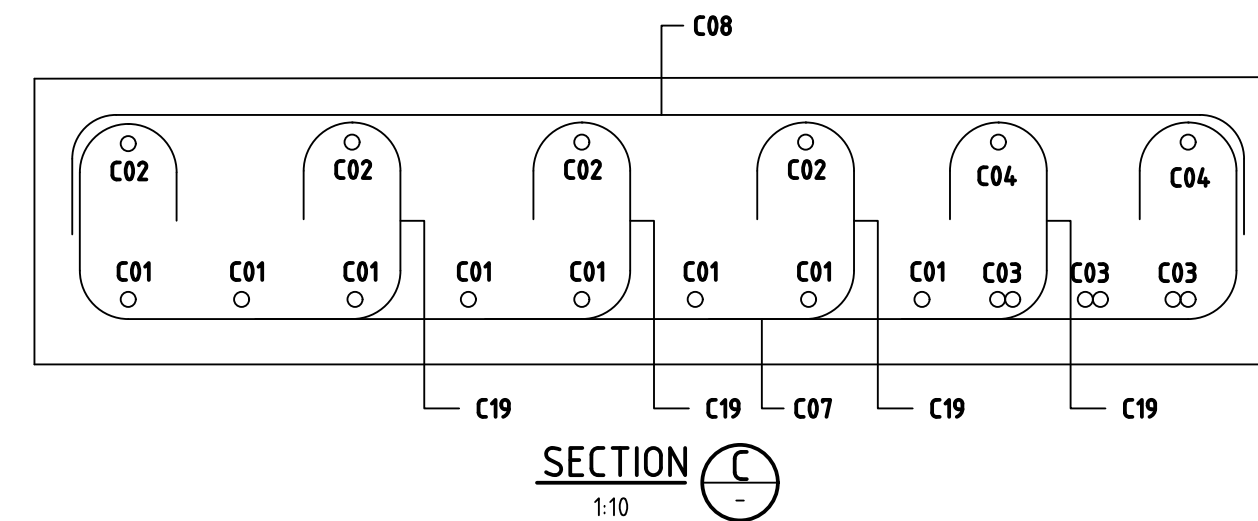
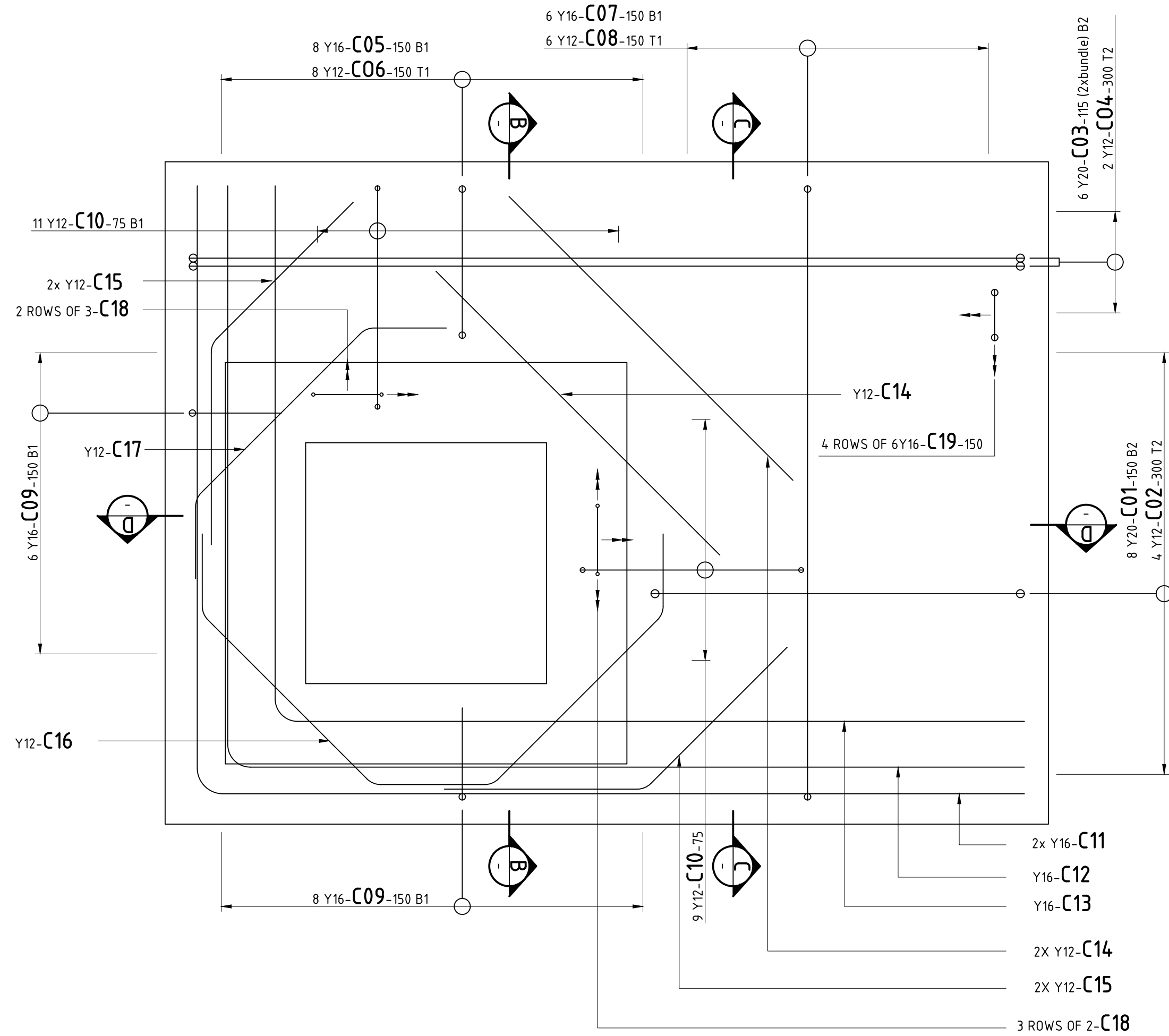
FRONT ELEVATION MANHOLE 1B
1:20



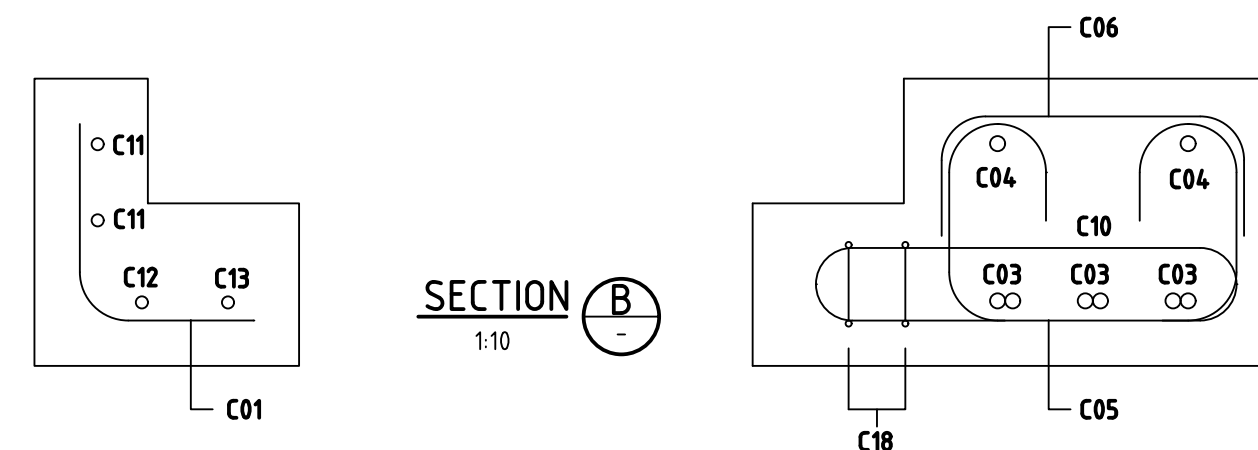
SECTION A
1:20



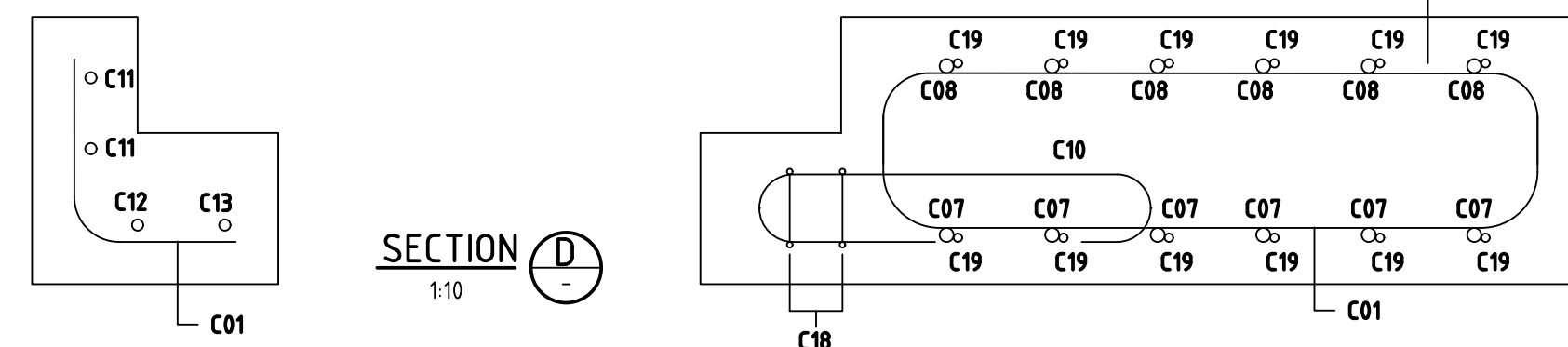
BASE REINFORCEMENT MANHOLE 1B
1:20



SECTION C
1:10



SECTION B
1:10



SECTION D
1:10

- NOTES:
- B1 -- FIRST BOTTOM LAYER
 - B2 -- SECOND BOTTOM LAYER
 - B3 -- THIRD BOTTOM LAYER
 - T1 -- FIRST BOTTOM LAYER
 - T2 -- SECOND BOTTOM LAYER
- COVER
 - MANHOLE: 60 mm COVER TO BE MAINTAINED UNLESS OTHERWISE SPECIFIED.
 - COVER SLAB: 50mm COVER TO BE MAINTAINED UNLESS OTHERWISE SPECIFIED.
 - REINFORCEMENT
 - REINFORCEMENT TO COMPLY WITH SANS 920 (2005).
 - HIGH YIELD STEEL:- 450 MPa
 - MILD STEEL :- 250 MPa
 - BENDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH SANS 282 (2004).
 - MANHOLE 1B IS TO BE TIED INTO THE EXISTING QUAY AT THE EXISTING STORM WATER OUTLET POINTS. THIS IS TO BE DONE BY USING REBARS W08 WHICH ARE TO ANCHORED INTO THE EXISTING STRUCTURE BY MEANS OF FISCHER INJECTION MORTAR FIS V OR SIMILAR APPROVED.

BARS C14, C15, C16, C17 ARE TRIMMING BARS AND ARE NOT SHOWN ON THE SECTIONS FOR CLARITY PURPOSES.

		Engineers				EPCM CONSULTANT: TNPA		ORIGINATOR: ZAA		Transnet National Ports Authority	
						TITLE		TITLE		237 MAHATMA GANDHI ROAD	
						LEAD DES. ENG.		DRAWN		DURBAN	
						ENG. COORD.		CHECKED		P.O. BOX 31683, DURBAN	
						ENG. MANAGER		DISCIP. ENG.		TEL: 031 361 8852	
						AREA MANAGER		ENG. MANAGER			
						PROJECT MGR.		AREA MANAGER			
						DIVISION		PR.ENG. / PR.TECH.			
						NO.		NAME		DATE	
						DESCRIPTION		BY		DATE	
						REVISIONS / ISSUE AUTHORIZATION		SIGNATURE		DATE	
								REG. NUMBER		760293	
								SCALE :		NOTED A1	
										PROJECT NUMBER	
										21212830	
										DV	
										1	
										FBS	
										1	
										DIS	
										1	
										TYPE	
										C	
										DRG NO.	
										1005	
										SHT.	
										02	
										REV.	
										0A	
										ID	
										DM	