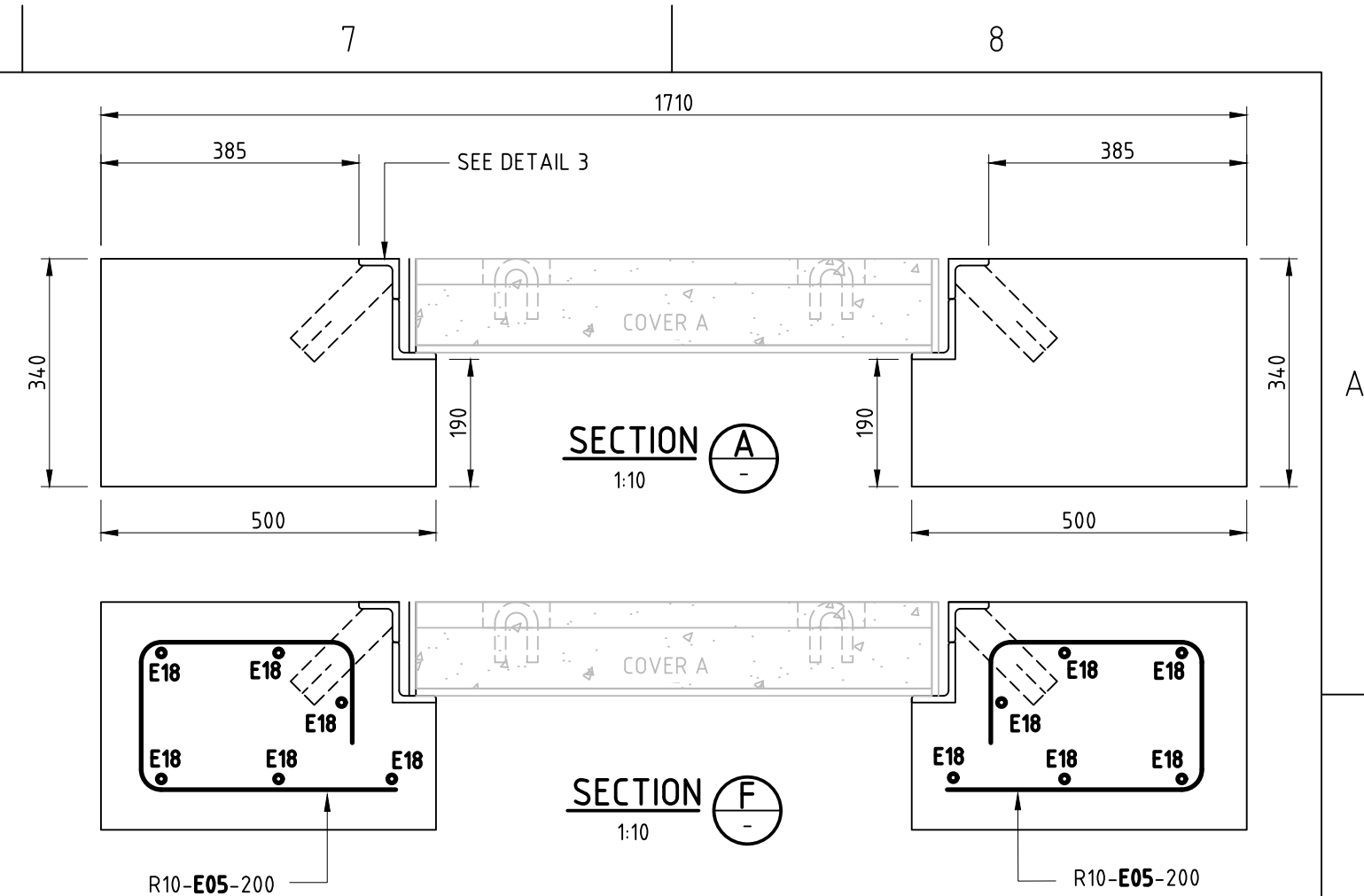
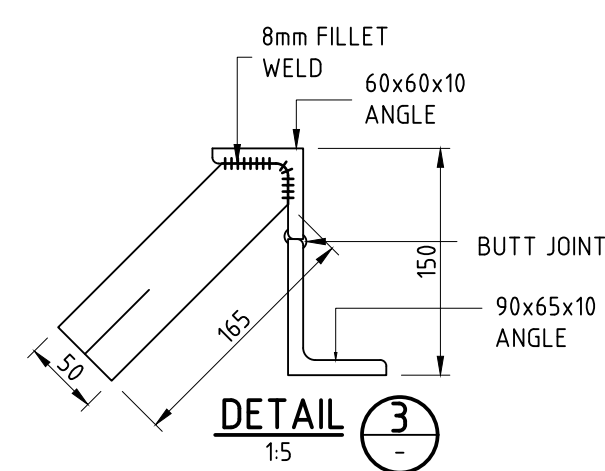
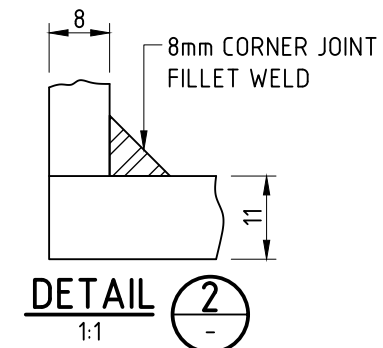
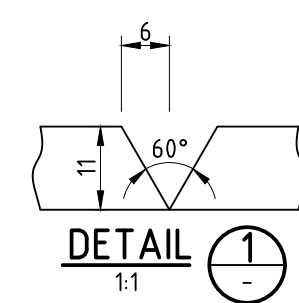
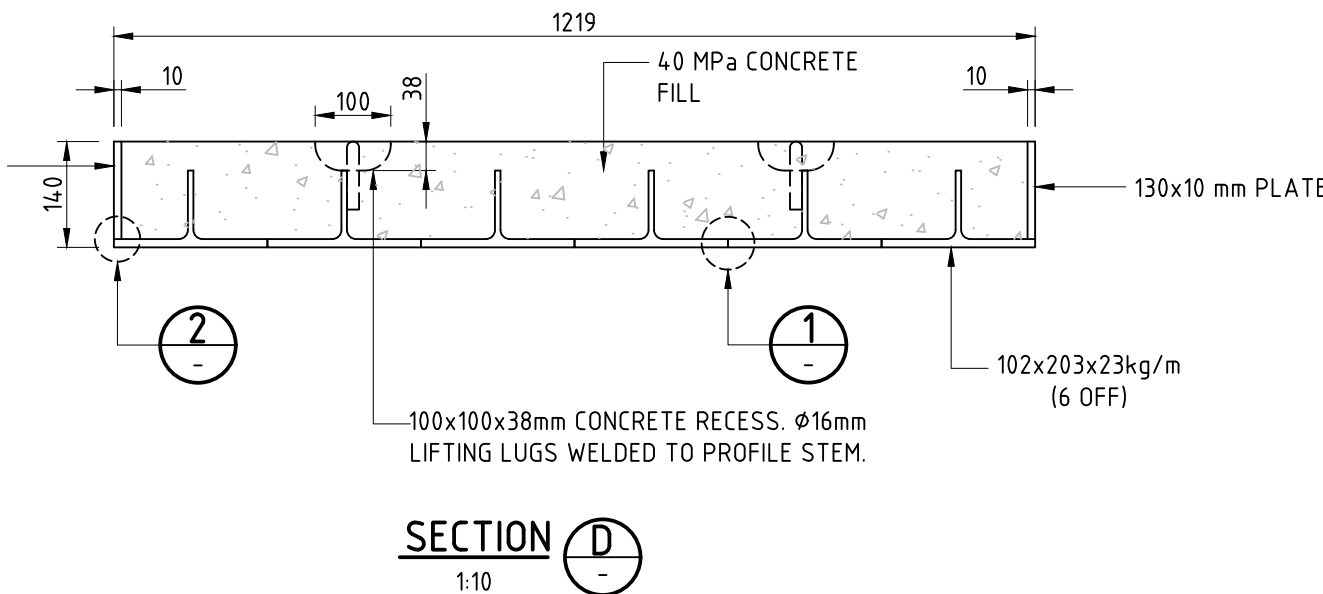
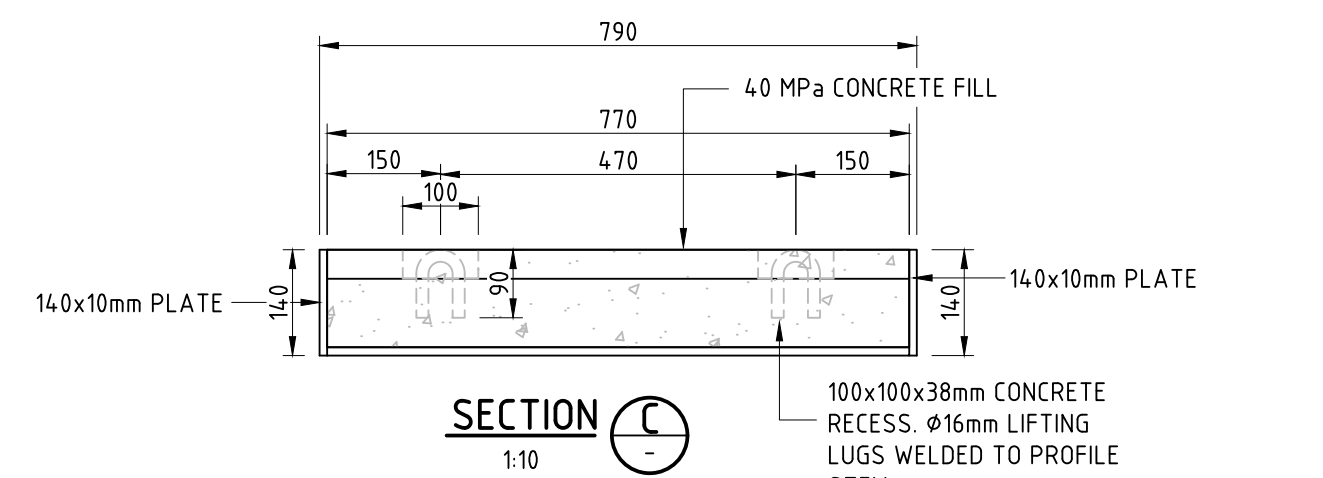
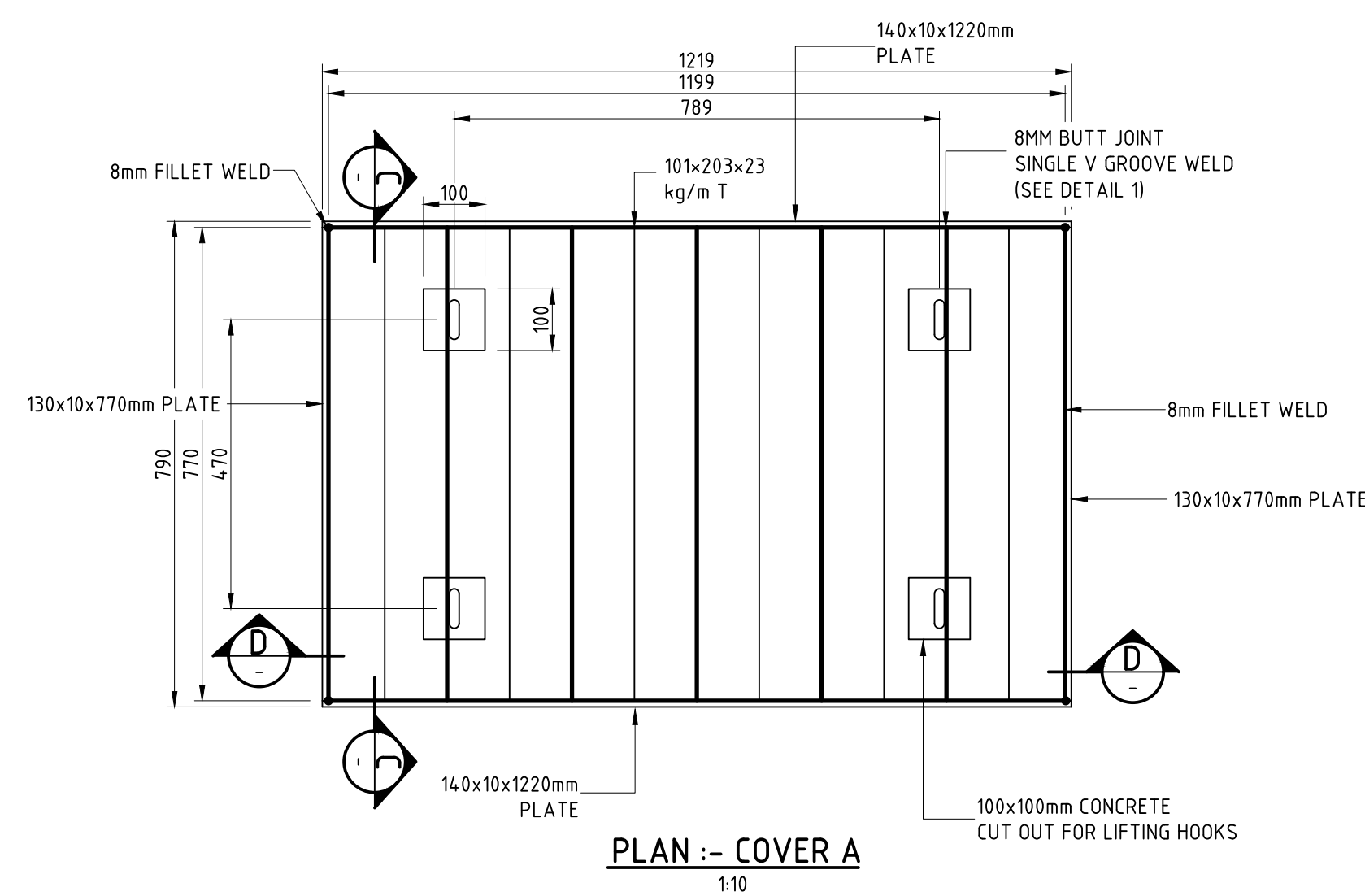
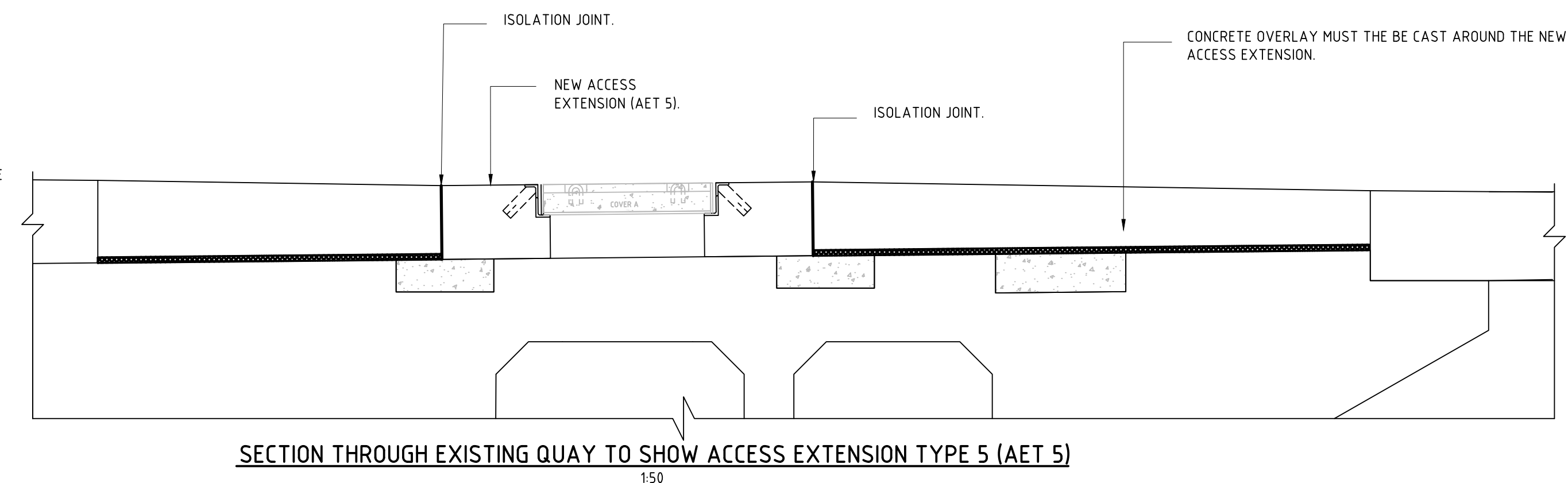


- NOTES:**
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS ON SITE AND NOTIFY THE PROJECT MANAGER OF ANY VARIATIONS FROM DIMENSIONS BEFORE CONSTRUCTION.
 - ALL STRUCTURAL STEELWORK FABRICATION SHALL COMPLY TO SANS 1200H.
 - ALL STRUCTURAL STEEL TO BE GRADE 350W ACCORDING TO SANS 1431.
 - ALL STRUCTURAL STEEL SHALL BE COATED WITH A ZINC COATING APPLIED BY THERMO-DIFFUSION COATING (SHERARDIZING) IN ACCORDANCE WITH BS EN 13811:2003.
 - INFILL CONCRETE 28DAY STRENGTH TO BE 40MPa/10mm.
 - A MINIMUM COVER OF 60mm MUST BE MAINTAINED.



MATERIAL LIST PER ACCESS MANHOLE COVER B				
ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	860	19.87	4.00	79.00
END PLATE	130x10x860	8.78	2.00	17.56
END PLATE	140x10x1015	11.15	2.00	22.30
SUB TOTAL WEIGHT: STEEL				118.00
40 MPa CONCRETE INFILL	0.09	196.42	1.00	196.42
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				314.42

MATERIAL LIST PER ACCESS MANHOLE COVER A				
ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	860	19.87	5.00	99.00
END PLATE	130x10x860	8.78	2.00	17.56
END PLATE	140x10x1015	11.15	2.00	22.30
SUB TOTAL WEIGHT: STEEL				138.00
40 MPa CONCRETE INFILL	0.11	246.79	1.00	246.79
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				384.79



Engineers		EPCO CONSULTANT: TNPA		ORIGINATOR: ZAA		Transnet National Ports Authority	
1785-CO-160-C-SCH-0005-01		BENDING SCHEDULE		DRAWN DM		237 MAHATMA GANDHI ROAD	
1785-CO-160-C-DWG-0005-02		TYPICAL PAVEMENT DETAILS SHT 2 OF 2		CHECKED MC/WwW		DURBAN	
1785-CO-160-C-DWG-0003-01		ASPHALT AND CONCRETE PAVING: PHASE 3		ENG. COORD. MC/WwW		P.O. BOX 31683, DURBAN	
1785-CO-160-C-DWG-0002-01		ASPHALT AND CONCRETE PAVING: PHASE 2		DISCIP. ENG.		TEL: 031 361 8852	
1785-CO-160-C-DWG-0001-01		ASPHALT AND CONCRETE PAVING: PHASE 1		ENG. MANAGER		PORT OF DURBAN	
DRAWING NO.		REFERENCE		PR.ENG. / PR.TECH.		DCT BERTHS 203 to 205 RECONSTRUCTION	
REFERENCE DRAWINGS		PROJECT NO		NAME J. ZIETSMAN		DEEPENING AND LENGTHENING	
1785		DIS CODE C0		SIGNATURE		ASPHALT AND CONCRETE PAVING	
160		AREA 160		DATE 19/07/26		EXISTING ACCESS EXTENSIONS	
C		DISP C		REG. NUMBER 760293		ACCESS EXTENSION TYPE 5	
DWG		TYPE DWG		SCALE : 1:50		PROJECT NUMBER	
0005		DRG NO 0005		OR AS NOTED		DV	
06		SHEET 06		FBS		DIS	
T		STATUS T		TYPE GA		DRG NO	
0A		REV 0A		SHT		1004	
						06	
						0A	
						DM	