DO NOT SCALE - IF IN DOUBT, ASK

MATERIAL LIST PER ACCESS MANHOLE COVER A

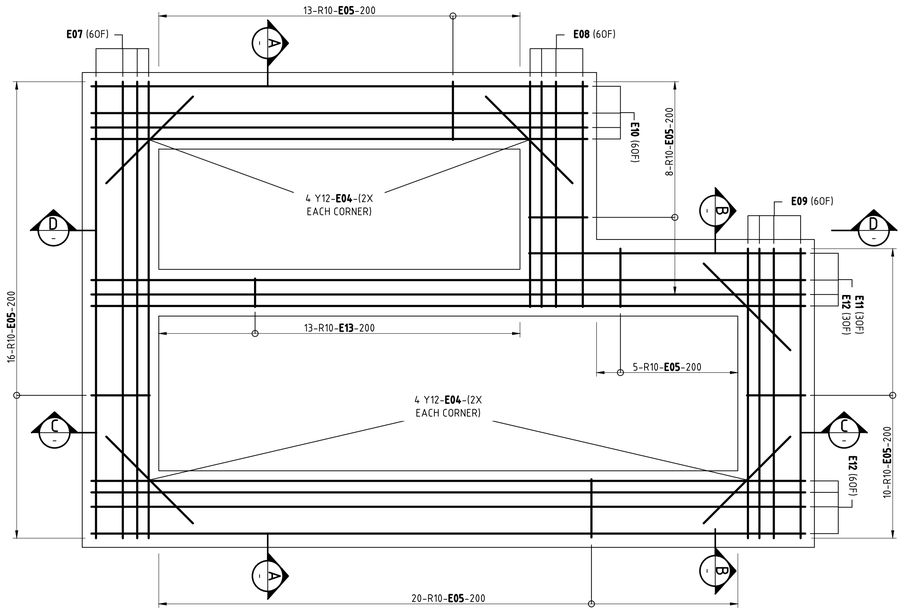
ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	845	19.52	6.00	117.00
END PLATE	130×10×845	8.62	2.00	17.24
END PLATE	140×10×1219	13.40	2.00	26.80
SUB TOTAL WEIGHT: STEEL				161.00
40 MPa CONCRETE INFILL	0.13	289.11	1.00	289.11
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				450.11

MATERIAL LIST PER ACCESS MANHOLE COVER B

ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	1.10	25.41	6.00	152.00
END PLATE	130×10×1100	11.23	2.00	22.46
END PLATE	140×10×1219	13.40	2.00	26.80
SUB TOTAL WEIGHT: STEEL				161
40 MPa CONCRETE INFILL	0.16	377.43	1.00	377.43
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				538.40

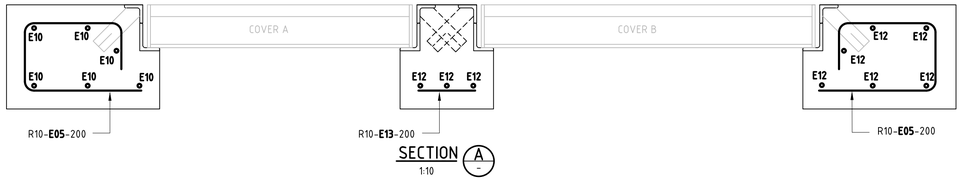
MATERIAL LIST PER ACCESS MANHOLE COVER C

ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	1.10	25.41	7.00	152.00
END PLATE	130×10×1100	11.23	2.00	22.46
END PLATE	140×10×1219	13.40	2.00	26.80
SUB TOTAL WEIGHT: STEEL				161.00
40 MPa CONCRETE INFILL	0.19	441.83	1.00	441.83
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				602.83

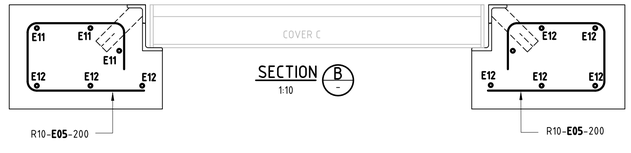


PLAN : REINFORCEMENT LAYOUT
1:30

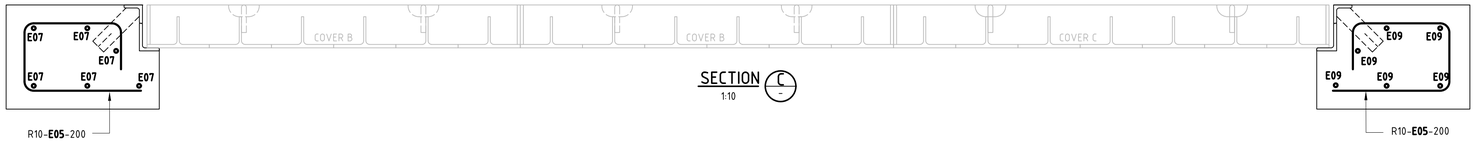
NOTES:
1. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS ON SITE AND NOTIFY THE PROJECT MANAGER OF ANY VARIATIONS FROM DIMENSIONS BEFORE CONSTRUCTION.
2. ALL STRUCTURAL STEELWORK FABRICATION SHALL COMPLY TO SANS 1200H.
3. ALL STRUCTURAL STEEL TO BE GRADE 350W ACCORDING TO SANS 1431.
4. ALL STRUCTURAL STEEL SHALL BE COATED WITH A ZINC COATING APPLIED BY THERMO-DIFFUSION COATING (SHERARDIZING) IN ACCORDANCE WITH BS EN 13811:2003.
5. INFILL CONCRETE 28DAY STRENGTH TO BE 40MPa/10mm.
6. BAR MARK E05 TO SHIFTED IN PLACE AROUND THE FRAME FISHTALES.
7. CONCRETE COVER OF 60mm TO BE MAINTAINED.



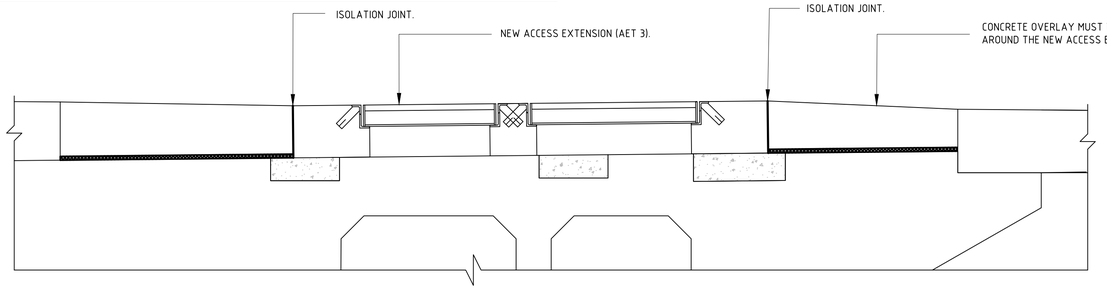
SECTION A
1:10



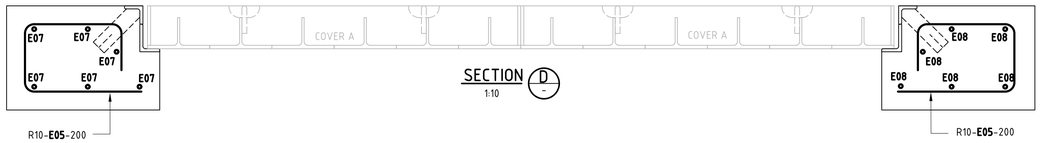
SECTION B
1:10



SECTION C
1:10



SECTION THROUGH EXISTING QUAY TO SHOW ACCESS EXTENSION TYPE (AET 3)
1:20



SECTION D
1:10

1785-CO-160-C-SCH-0005-01	BENDING SCHEDULE
1785-CO-160-C-DWG-0006-03	ACCESS EXTENSION TYPE 3 SHT 1 OF 2
1785-CO-160-C-DWG-0005-02	TYPICAL PAVEMENT DETAILS SHT 2 OF 2
1785-CO-160-C-DWG-0003-01	ASPHALT AND CONCRETE PAVING: PHASE 3
1785-CO-160-C-DWG-0002-01	ASPHALT AND CONCRETE PAVING: PHASE 2
1785-CO-160-C-DWG-0001-01	ASPHALT AND CONCRETE PAVING: PHASE 1
DRAWING NO.	REFERENCE

REFERENCE DRAWINGS

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PROJECT NO: 1785 | DIS CODE: CO | AREA: 160 | DISP: C | TYPE: DWG | DRG NO: 0005 | SHEET: 04 | STATUS: T | REV: 0A

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
0A	ISSUED FOR TENDER	DM	MC	JZ	2019.07.26

REVISIONS / ISSUE AUTHORIZATION

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EPCM CONSULTANT: TNPA

TITLE	NAME	SIGNATURE	DATE
LEAD DES. ENG.			
ENG. COORD.			
ENG. MANAGER			
AREA MANAGER			
PROJECT MGR.			

DIVISION

DIV.	TITLE	NAME	SIGNATURE	DATE

ORIGINATOR: ZAA

TITLE	NAME	SIGNATURE	DATE
DRAWN	DM		19 07 26
CHECKED	MC/WvW		19 07 26
ENG. COORD.			
DISCIP. ENG			
ENG. MANAGER			
AREA MANAGER			

PR.ENG. / PR.TECH.

NAME	DATE
J. ZIETSMAN	
SIGNATURE	19 07 26
REG. NUMBER	760293

SCALE : OR AS NOTED A1

Transnet National Ports Authority
237 MAHATMA GANDHI ROAD
DURBAN
P.O. BOX 31683, DURBAN
TEL: 031 361 8852

PORT OF DURBAN

DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

ASPHALT AND CONCRETE PAVING EXISTING ACCESS EXTENSIONS ACCESS EXTENSION TYPE 3 SHEET 2 OF 2

PROJECT NUMBER	DV	FBS	DIS.	TYPE	DRG NO.	SHT.	REV.	ID
2122830-1	1	160	C	GA	1004	04	0A	DM