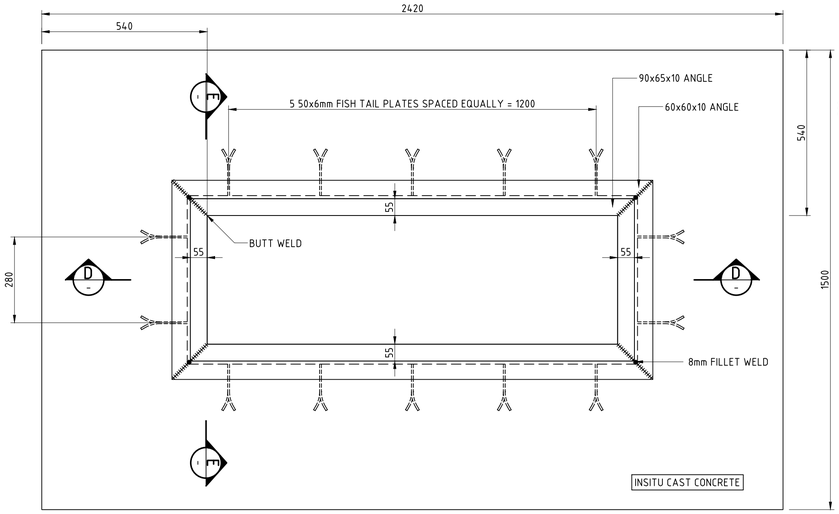
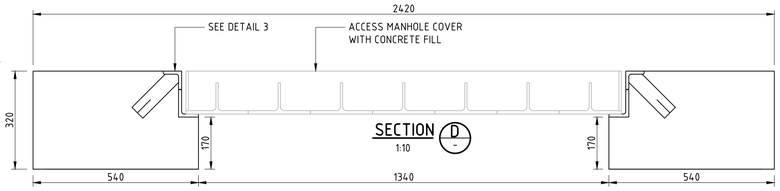
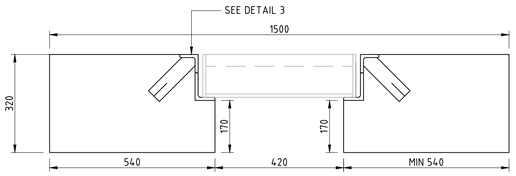
DO NOT SCALE - IF IN DOUBT, ASK



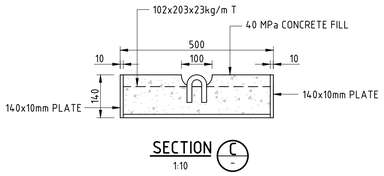
PLAN : NEW FRAME (AET1)
1:10



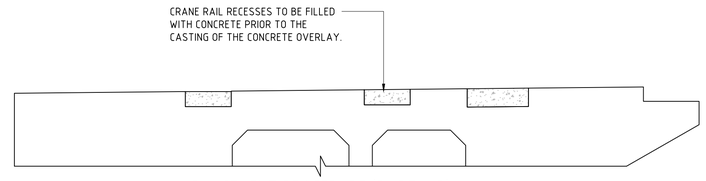
SECTION D
1:10



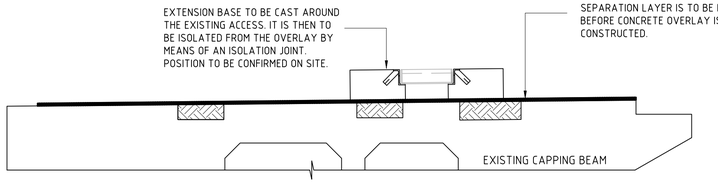
SECTION E
1:10



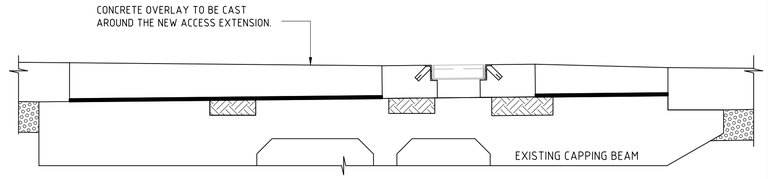
SECTION C
1:10



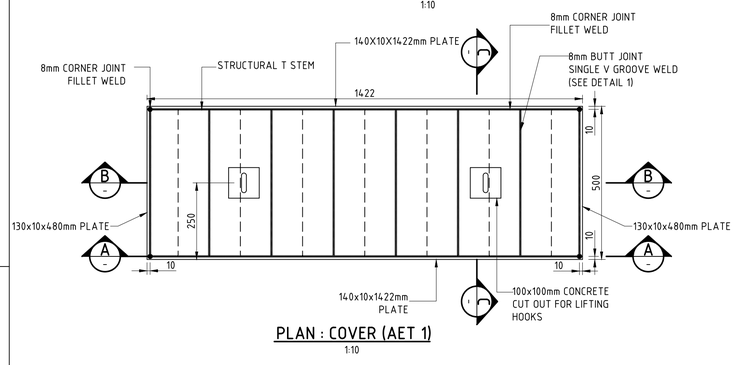
PLACEMENT PROCEDURE (PART 1/3)
1:30



PLACEMENT PROCEDURE (PART 2/3)
1:30

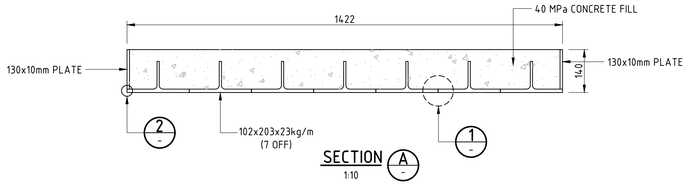


PLACEMENT PROCEDURE (PART 3/3)
1:30

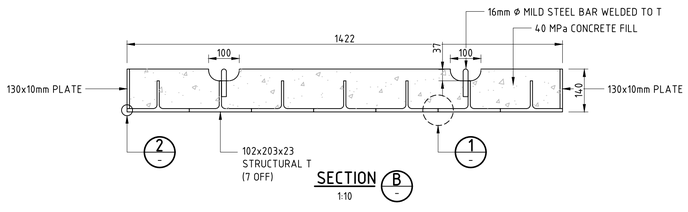


PLAN : COVER (AET 1)
1:10

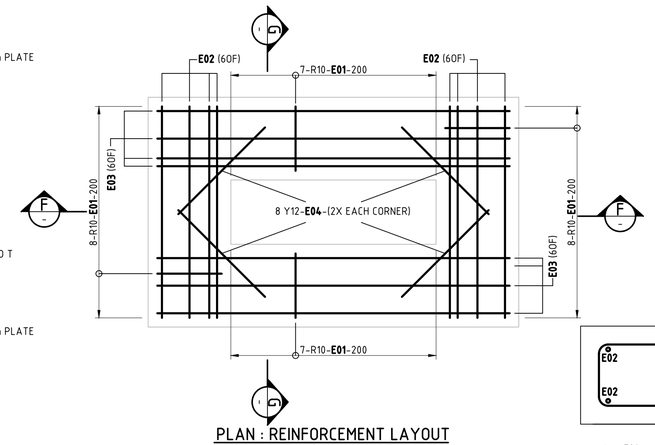
MATERIAL LIST PER ACCESS MANHOLE COVER				
ITEM	DIMENSIONS (mm)	WEIGHT (KG)	# OF	TOTAL WEIGHT (KG)
102x203x23 kg/m T	480	11.10	7.00	77.00
END PLATE	130×10×480	4.90	2.00	9.80
END PLATE	140×10×1422	15.60	2.00	31.20
SUB TOTAL WEIGHT: STEEL				118
40 MPa CONCRETE INFILL	0.176×0.48	194.3000	1	194.30
TOTAL ACCESS MANHOLE COVER WEIGHT (KG)				312.30



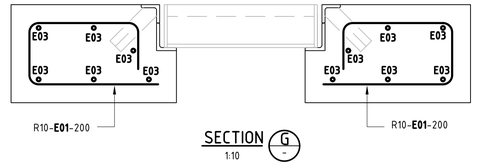
SECTION A
1:10



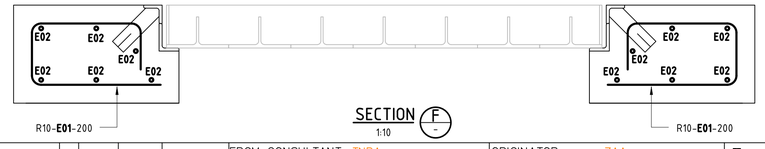
SECTION B
1:10



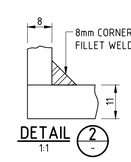
PLAN : REINFORCEMENT LAYOUT
1:20



SECTION G
1:10

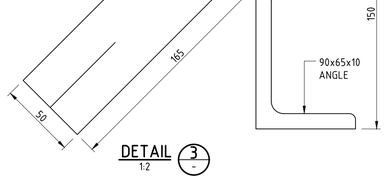


SECTION F
1:10



DETAIL 1
1:1

DETAIL 2
1:1



DETAIL 3
1:2

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.
6. BAR MARK E01 TO BE SHIFTED IN PLACE AROUND THE FRAME FISHTALES.
7. CONCRETE COVER OF 60mm TO BE MAINTAINED.

DRAWING NO.	REFERENCE
1785-CO-160-C-SCH-0005-01	BENDING SCHEDULE
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

REFERENCE DRAWINGS

Engineers

ZAA ENGINEERING PROJECTS & NAVAL ARCHITECTS

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E-Mail: zaaepna@zaaepna.com

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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	J. ZIETSMAN		DATE
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

TRANSNET

PORT OF DURBAN

DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

ASPHALT AND CONCRETE PAVING EXISTING ACCESS EXTENSIONS ACCESS EXTENSION TYPE 1

PROJECT NO	DIS CODE	AREA	DISP	TYPE	DRG NO	SHEET	STATUS	REV
1785	CO	160	C	DWG	0005	01	T	0A

PROJECT NUMBER	DV	FBS	DIS	TYPE	DRG. NO.	SHT.	REV.	ID
2122830	1	160	C	GA	1004	01	0A	DM