Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82 A	B	C	D	E or R
B19 Standard Flexural Reinforcement	1	11	Y	32	H01	11	7 700,0	535	37	7540	225			
	1	11	Y	32	H02	11	9 950,0	691	37	9775	225			
	1	9	Y	20	H03	9	7 700,0	171	37	7540	175			
	1	9	Y	20	H04	9	9 900,0	220	37	9775	175			
	1	22	Y	32	H05	22	10 100,0	1403	20	10100				
	1	18	Y	20	H06	18	10 100,0	448	20	10100				
	1	22	Y	32	H07	22	11 050,0	1535	20	11050				
	1	18	Y	20	H08	18	11 050,0	491	20	11050				
	1	44	Y	32	H09	44	10 750,0	2986	20	10750				
	1	36	Y	20	H10	36	10 750,0	954	20	10750				
	1	22	Y	32	H11	22	11 250,0	1563	20	11250				
	1	18	Y	20	H12	18	11 250,0	499	20	11250				
	1	11	Y	32	H13	11	11 550,0	802	37	11390	225			
	1	11	Y	32	H14	11	9 300,0	646	37	9160	225			
	1	9	Y	20	H15	9	11 550,0	256	37	11390	175			
	1	9	Y	20	H16	9	9 300,0	206	37	9160	175			
B19 Additional Flexural Reinforcement	1	4	Y	32	H20	4	10 950,0	277	20	10990				
	1	1	Y	32	H21	1	11 050,0	70	20	11050				
	1	4	Y	32	H22	4	8 600,0	217	20	8620				
	1	4	Y	32	H23	4	11 300,0	285	20	11305				
B19 End Face Reinforcement	1	8	Y	20	H30	8	3 350,0	66	38	800	1845	800		
	1	4	Y	20	H31	4	2 500,0	25	38	800	990	800		
Stop Block Starter Bars	1	6	Y	32	01	6	3 350,0	127	37	2835	600			
	1	6	Y	20	02	6	3 400,0	50	37	2835	600			
	1	9	Y	20	03	9	6 650,0	148	38	2835	800	3100		
B19 Shear Reinforcment	1	694	Y	20	S01	694	2 450,0	4193	85	260	1730	195	390	
	1	347	Y	20	S02	347	4 200,0	3594	72	1520	560			
	1	347	Y	16	S03	347	4 350,0	2382	72	980	1880			
	1	694	Y	12	S04	694	1 300,0	801	49	340	340	600	250	250
	1	347	Y	16	S05	347	2 250,0	1232	38	210	1880	210		
	1	347	Y	16	S06	347	1 400,0	767	38	210	1030	210		

Engineers

ORIGINATOR: ZAA

Date: 2019.07.26

Compiled: DC

Checked: MC

Approved: J ZIETSMAN Pr Eng

Signed:

MILD STEEL		
	R8	0
	R10	0
	R12	0
	R16	0
	R20	0
	R32	0
TOTAL R BARS =	0	kg

HIGH YIELD STEEL		
	Y10	0
	Y12	801
	Y16	4 382
	Y20	11 322
	Y25	0
	Y32	11 136
TOTAL Y BARS =	27 641	kg

TRANSNET

Transnet National Ports Authority

Date:

Name:

Signed:

ZAA SCHEDULE No.

1785-CO-100-C-SCH-0009-05 T0A

DCT BERTH 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING

TNPA SCHEDULE No.

2122830-1-100-C-SC-1008-05 T0A

ZAA REFERENCE DRAWING

1785-CO-100-C-DWG-0009-05

TITLE

REINFORCEMENT SCHEDULE REAR CRANE RAIL BEAM B19

TNPA REFERENCE DRAWING

2122830-1-100-C-GA-1008-05