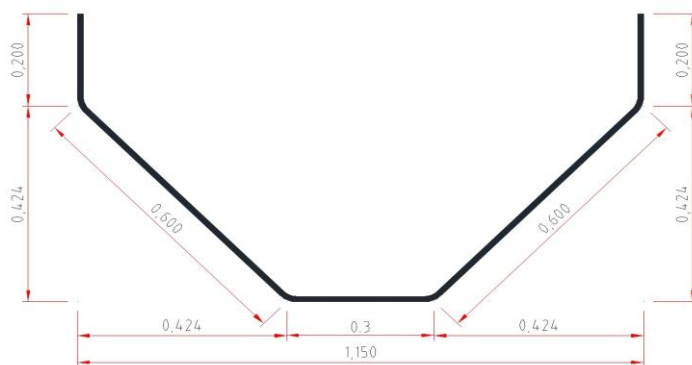




STORM WATER MANHOLE TYPE 1B

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
MANHOLE 1B	10	22	Y	16	B01	220	2 400,0	833	38	200	2080	200		
	10	16	Y	16	B02	160	1 950,0	492	38	230	1530	230		
	10	48	Y	12	W01	480	3 100,0	1321	38	1450	230	1450		
	10	96	Y	12	W02	960	2 500,0	2131	38	1150	230	1150		
	10	16	Y	16	W03	160	1 200,0	303	20	1200				
	10	44	Y	16	W04	440	6 150,0	4271	38	3000	206	3000		
	10	44	Y	16	W05	440	5 350,0	3715	38	2600	206	2600		
	10	4	Y	16	W06	40	6 150,0	388	38	3000	200	3000		
	10	4	Y	16	W07	40	5 350,0	338	38	2600	200	2600		
	10	8	Y	16	W08	80	2 350,0	297	38	1100	230	1100		
	10	8	Y	20	C01	80	1 150,0	227	38	160	930	160		
	10	8	Y	12	C02	80	1 150,0	82	38	130	930	130		
	10	6	Y	20	C03	60	2 300,0	340	38	160	2080	160		
	10	2	Y	12	C04	20	2 350,0	42	38	150	2080	150		
	10	8	Y	16	C05	80	1 400,0	177	72	260	380			
	10	8	Y	12	C06	80	650,0	46	38	150	380	150		
	10	6	Y	16	C07	60	2 550,0	242	72	260	1530			
	10	6	Y	12	C08	60	1 800,0	96	38	150	1530	150		
	10	14	Y	16	C09	140	450,0	99	37	230	260			
	10	20	Y	12	C10	200	1 000,0	178	36	250	96	550	96	100
	10	2	Y	16	C11	20	3 550,0	112	37	2060	1500			
	10	1	Y	16	C12	10	3 400,0	54	37	1450	1980			
	10	1	Y	16	C13	10	3 150,0	50	37	1860	1330			
	10	3	Y	12	C14	30	1 000,0	27	20	1000				
	10	4	YY	12	C15	40	1 000,0	36	62	500	350	500		
	10	1	Y	12	C16	10	1 890,0	17	99	SPECIAL - SEE SKETCH				
	10	1	Y	12	C17	10	1 000,0	9	49	200	200	600	140	140
	10	12	R	8	C18	120	650,0	31	72	112	180			
	10	24	Y	16	C19	240	600,0	227	85	190	260	130	130	



Engineers																														
ORIGINATOR: ZAA		MILD STEEL	<table><tr><td>R8</td><td>30,8</td></tr><tr><td>R10</td><td>0</td></tr><tr><td>R12</td><td>0</td></tr><tr><td>R16</td><td>0</td></tr><tr><td>R20</td><td>0</td></tr><tr><td>R32</td><td>0</td></tr></table>	R8	30,8	R10	0	R12	0	R16	0	R20	0	R32	0	HIGH YIELD STEEL	<table><tr><td>Y10</td><td>0</td></tr><tr><td>Y12</td><td>3 947</td></tr><tr><td>Y16</td><td>11 599</td></tr><tr><td>Y20</td><td>567</td></tr><tr><td>Y25</td><td>0</td></tr><tr><td>Y32</td><td>0</td></tr></table>	Y10	0	Y12	3 947	Y16	11 599	Y20	567	Y25	0	Y32	0	Transnet National Ports Authority
R8	30,8																													
R10	0																													
R12	0																													
R16	0																													
R20	0																													
R32	0																													
Y10	0																													
Y12	3 947																													
Y16	11 599																													
Y20	567																													
Y25	0																													
Y32	0																													
Date: 2019.07.26						Date:																								
Compiled: DM						Name:																								
Checked: MC						Signed:																								
Approved: J ZIETSMAN Pr Eng		TOTAL R BARS = 31 kg		TOTAL Y BARS = 16 113 kg																										
Signed:																														
ZAA SCHEDULE No. 1785-CO-150-C-SCH-0006-01 T0A	DCT BERTH 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING					TNPA SCHEDULE No. 2122830-1-150-C-SC-1005-01 T0A																								
ZAA REFERENCE DRAWING 1785-CO-150-C-DWG-0006-02	TITLE	REINFORCEMENT SCHEDULE STORM WATER MANHOLE TYPE 1B				TNPA REFERENCE DRAWING 2122830-1-150-C-GA-1005-02																								