



REAR CRANE RAIL BEAM STORM PIN ANCHORS

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																									
Storm Pin Shear Reinforcement	1	258	Y	20	Q01	258	4 750,0	3022	72	1155	1880																												
	1	258	Y	20	Q02	258	3 350,0	2132	72	1155	455																												
	1	840	Y	16	Q03	840	2 100,0	2784	38	150	1880	150																											
	1	560	Y	16	Q04	560	700,0	619	39	600	96	65																											
	1	22	Y	20	Q05	22	5 450,0	296	72	1505	1880																												
	1	22	Y	20	Q06	22	4 150,0	225	72	1505	560																												
	1	226	Y	16	R01	226	1 050,0	375	38	175	620	325																											
Storm Pin Flexural Reinforcement	1	14	Y	20	S01A	14	2 150,0	74	38	150	1930	150																											
	1	2	Y	20	S01B	2	2 900,0	14	38	150	2685	150																											
	1	2	Y	20	S01C	2	2 250,0	11	38	150	2045	150																											
	1	2	Y	20	S01D	2	2 500,0	12	38	150	2265	150																											
	1	2	Y	20	S01E	2	2 950,0	15	38	150	2745	150																											
	1	2	Y	20	S01F	2	2 300,0	11	38	150	2065	150																											
	1	2	Y	20	S01G	2	2 450,0	12	38	150	2245	150																											
	1	2	Y	20	S01H	2	2 800,0	14	38	150	2565	150																											
	1	140	Y	20	S02A	140	2 600,0	898	38	1730	570	400																											
	1	20	Y	20	S02B	20	3 400,0	168	38	2485	570	400																											
	1	20	Y	20	S02C	20	2 750,0	136	38	1845	570	400																											
	1	20	Y	20	S02D	20	2 950,0	146	38	2065	570	400																											
	1	20	Y	20	S02E	20	3 450,0	170	38	2545	570	400																											
	1	20	Y	20	S02F	20	2 750,0	136	38	1865	570	400																											
	1	20	Y	20	S02G	20	2 950,0	146	38	2045	570	400																											
	1	20	Y	20	S02H	20	3 050,0	150	38	2365	350	400																											
	1	42	Y	20	S03A	42	3 900,0	404	38	1730	1840	400																											
	1	6	Y	20	S03B	6	4 650,0	69	38	2485	1840	400																											
	1	6	Y	20	S03C	6	4 000,0	59	38	1845	1840	400																											
	1	6	Y	20	S03D	6	4 250,0	63	38	2065	1840	400																											
	1	6	Y	20	S03E	6	4 700,0	70	38	2545	1840	400																											
	1	6	Y	20	S03F	6	4 050,0	60	38	1865	1840	400																											
	1	6	Y	20	S03G	6	4 200,0	62	38	2045	1840	400																											
	1	10	Y	20	S03H	10	4 550,0	112	38	2365	1840	400																											
	1	28	Y	20	S04A	28	850,0	59	55	150	180	380	180	150																									
	1	4	Y	20	S04B	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S04C	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S04D	4	1 200,0	12	55	150	180	715	180	150																									
	1	4	Y	20	S04E	4	1 700,0	17	55	150	180	1195	180	150																									
	1	4	Y	20	S04F	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S04G	4	1 200,0	12	55	150	180	695	180	150																									
	1	4	Y	20	S04H	4	850,0	8	55	150	180	380	180	150																									
	1	28	Y	20	S05A	28	850,0	59	55	150	180	380	180	150																									
	1	4	Y	20	S05B	4	1 600,0	16	55	150	180	1135	180	150																									
	1	4	Y	20	S05C	4	1 000,0	10	55	150	180	495	180	150																									
	1	4	Y	20	S05D	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S05E	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S05F	4	1 000,0	10	55	150	180	515	180	150																									
	1	4	Y	20	S05G	4	850,0	8	55	150	180	380	180	150																									
	1	4	Y	20	S05H	4	1 500,0	15	55	150	180	1015	180	150																									
	1	60	Y	20	T01	60	1 500,0	222	37	1300	220																												
	1	60	Y	20	U01	60	4 150,0	614	38	220	3790	220																											
Engineers		<div><div><p>ORIGINATOR: ZAA</p><p>Date: 2019.07.26</p><p>Compiled: DC</p><p>Checked: MC</p><p>Approved: J ZIETSMAN Pr Eng</p><p>Signed:</p></div><div><div>MILD STEEL</div><table><tr><td>R8</td><td>0</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><p>TOTAL R BARS = 0 kg</p></div><div><div>HIGH YIELD STEEL</div><table><tr><td>Y10</td><td>0</td></tr><tr><td>Y12</td><td>0</td></tr><tr><td>Y16</td><td>3 777</td></tr><tr><td>Y20</td><td>9 788</td></tr><tr><td>Y25</td><td>0</td></tr><tr><td>Y32</td><td>0</td></tr></table><p>TOTAL Y BARS = 13 566 kg</p></div></div>										R8	0	R10	0	R12	0	R16	0	R20	0	R32	0	Y10	0	Y12	0	Y16	3 777	Y20	9 788	Y25	0	Y32	0	<div><p>Transnet National Ports Authority</p><p>Date:</p><p>Name:</p><p>Signed:</p></div>			
R8	0																																						
R10	0																																						
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Y20	9 788																																						
Y25	0																																						
Y32	0																																						
ZAA SCHEDULE No.		DCT BERTH 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING										TNPA SCHEDULE No.																											
1785-CO-100-C-SCH-0010-01 T0A												2122830-1-100-C-SC-1009-01 T0A																											
ZAA REFERENCE DRAWING		TITLE										TNPA REFERENCE DRAWING																											
1785-CO-100-C-DWG-0010-01		REINFORCEMENT SCHEDULE REAR CRANE RAIL BEAM STORM PIN ANCHORS										2122830-1-100-C-GA-1009-01																											