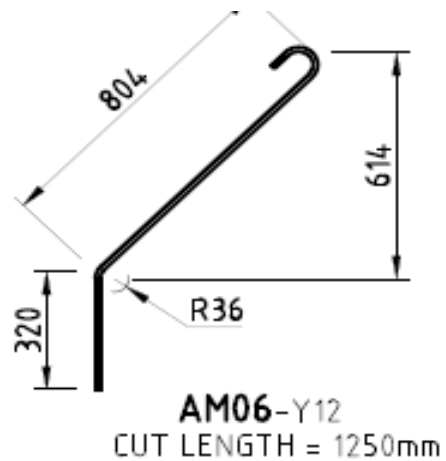
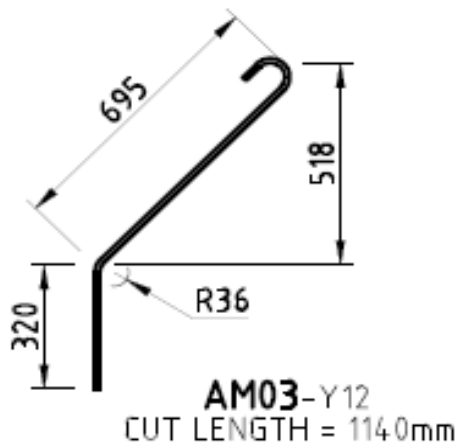


## CAPPING BEAM REINFORCING TYPE 6

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
<b>TYPE 6</b>	1	7	Y	25	<b>AM01</b>	7	2 700,0	73	85	660	1520	310	450	
<b>CAPPING BEAM</b>	1	7	Y	16	<b>AM02</b>	7	1 850,0	20	38	700	160	1050		
<b>REINFORCING</b>	1	7	Y	12	<b>AM03</b>	7	1 140,0	7	99	<b>SEE SKETCH</b>				
	1	7	Y	16	<b>AM04</b>	7	2 100,0	23	37	715	1390			
	1	7	Y	16	<b>AM05</b>	7	1 650,0	18	37	300	1390			
	1	7	Y	12	<b>AM06</b>	7	1 250,0	8	99	<b>SEE SKETCH</b>				
	1	7	Y	16	<b>AM07</b>	7	2 000,0	22	54	200	1680	200		
	1	7	Y	12	<b>AM08</b>	7	2 500,0	16	85	550	1480	305	300	
	1	2	Y	16	<b>AM09</b>	2	1 600,0	5	20	1600				
	1	18	Y	16	<b>AM10</b>	18	1 500,0	43	38	650	275	650		
	1	18	Y	12	<b>AM11</b>	18	1 500,0	24	38	700	125	700		
	1	48	Y	25	<b>B01</b>	48	3 140,0	581	99	<b>SEE SKETCH</b>				
	1	48	Y	25	<b>B02</b>	48	2 300,0	425	38	660	1350	400		
	1	28	Y	25	<b>B03</b>	28	4 000,0	432	20	4000				
	1	56	Y	25	<b>B04</b>	56	2 200,0	475	37	660	1580			
	1	4	Y	40	<b>B05</b>	4	7 050,0	278	38	2690	1890	2690		
	1	4	Y	40	<b>B06</b>	4	7 350,0	290	49	2715	2715	1878	2690	2690
	1	4	Y	40	<b>B07</b>	4	7 500,0	296	49	2798	2798	1869	2678	2678
	1	4	Y	40	<b>B08</b>	4	7 750,0	306	49	2935	2935	1862	2674	2674
	1	4	Y	40	<b>B09</b>	4	8 100,0	320	49	3118	3118	1855	2669	2669
	1	4	Y	40	<b>B10</b>	4	8 550,0	337	49	3340	3340	1850	2666	2666
	1	7	Y	25	<b>BS01</b>	7	2 050,0	55	38	415	780	975		
	1	7	Y	25	<b>BS02</b>	7	3 250,0	88	20	3270				
	1	7	Y	25	<b>BS03</b>	7	3 500,0	94	37	980	2580			
	1	20	Y	25	<b>BS04</b>	20	2 200,0	170	37	660	1580			
	1	519	Y	25	<b>C01</b>	519	5 450,0	10899	62	1555	1530	3850		
	1	437	Y	25	<b>C02</b>	437	2 250,0	3789	62	1120	1100	1120		
	1	419	Y	25	<b>C03</b>	419	3 050,0	4924	37	2450	650			
	1	453	Y	25	<b>C04</b>	453	2 500,0	4364	20	2500				
	1	446	Y	25	<b>C05</b>	446	3 200,0	5500	37	650	2600			
	1	504	Y	25	<b>C06</b>	504	1 850,0	3593	37	350	1550			
	1	465	Y	12	<b>C07</b>	465	1 140,0	471	99	<b>SEE SKETCH</b>				
	1	451	Y	12	<b>C08</b>	451	1 815,0	727	99	<b>SEE SKETCH</b>				
	1	876	Y	16	<b>C09</b>	876	2 200,0	3042	37	350	1850			
	1	461	Y	16	<b>C10</b>	461	4 050,0	2947	37	350	3700			
	1	494	Y	12	<b>C11</b>	494	1 400,0	614	49	155	155	1065	118	118
	1	460	Y	12	<b>C12</b>	460	2 550,0	1041	37	500	2050			
	1	505	Y	12	<b>C13</b>	505	4 450,0	1995	38	2100	280	2100		
	1	505	Y	16	<b>C14</b>	505	2 550,0	2033	38	1160	280	1160		
	1	506	Y	16	<b>C15</b>	506	1 950,0	1557	38	900	230	900		
	1	500	Y	16	<b>C16</b>	500	4 050,0	3196	38	350	3400	350		
	1	940	Y	16	<b>C17</b>	940	2 200,0	3264	37	1850	350			
	1	501	Y	16	<b>C18</b>	501	4 450,0	3519	62	1590	1125	2825		
	1	501	Y	25	<b>C19</b>	501	2 850,0	5502	37	350	2550			
	1	513	Y	25	<b>C20</b>	513	2 450,0	4843	38	950	1280	350		
	1	38	Y	16	<b>C21</b>	38	1 850,0	111	38	850	230	850		
	1	36	Y	16	<b>C22</b>	36	1 900,0	108	38	850	280	850		
	1	36	Y	16	<b>C23</b>	36	1 900,0	108	38	850	260	850		
	1	32	Y	16	<b>C24</b>	32	2 500,0	126	37	850	1680			
	1	96	Y	16	<b>C25</b>	96	2 200,0	333	37	850	1350			
	1	32	Y	16	<b>C26</b>	32	3 350,0	169	37	850	2500			
	1	12	Y	16	<b>C27</b>	12	1 800,0	34	37	850	950			
	1	22	Y	12	<b>C28</b>	22	1 050,0	21	38	500	100	500		
	1	6	Y	16	<b>C29</b>	6	1 500,0	14	37	850	680			
	1	300	R	10	<b>C30</b>	300	450,0	83	85	110	260	60	70	
	1	320	R	10	<b>C31</b>	320	300,0	59	85	110	100	60	70	
	1	2	Y	25	<b>LA01</b>	2	2 300,0	18	38	900	605	900		
	1	4	Y	25	<b>LA03</b>	4	2 000,0	31	38	880	380	880		
	1	588	Y	25	<b>L01</b>	588	13 000,0	29455	20	13000				
	1	840	Y	16	<b>L02</b>	840	13 000,0	17235	20	13000				
	1	154	Y	12	<b>L03</b>	154	13 000,0	1777	20	13000				
	1	26	Y	25	<b>P01</b>	26	2 050,0	205	38	410	1095	660		
	1	26	Y	12	<b>P02</b>	26	1 200,0	28	38	530	160	530		
	1	26	Y	12	<b>P03</b>	26	940,0	22	99	<b>SEE SKETCH</b>				
	1	12	Y	12	<b>P04</b>	12	1 350,0	14	99	<b>SEE SKETCH</b>				
	1	12	Y	12	<b>P05</b>	12	1 200,0	13	38	530	160	530		
	1	52	Y	16	<b>P06</b>	52	2 050,0	168	37	1850	200			
	1	12	Y	12	<b>P07</b>	12	2 550,0	27	75	630	220	630	305	480
	1	12	Y	12	<b>P08</b>	12	2 800,0	30	75	700	220	705	305	555
	1	12	Y	12	<b>P09</b>	12	1 190,0	13	99	<b>SEE SKETCH</b>				
	1	14	Y	16	<b>P10</b>	14	2 900,0	64	85	170	1955	160	720	
	1	14	Y	12	<b>P11</b>	14	2 600,0	32	85	550	1755	305	150	
	1	14	Y	12	<b>P12</b>	14	1 250,0	16	99	<b>SEE SKETCH</b>				
	1	14	Y	32	<b>P13</b>	14	3 450,0	305	37	1130	2380			
	1	14	Y	25	<b>P14</b>	14	4 250,0	229	37	660	3640			

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
	1	128	Y	12	P15	128	550,0	63	85	150	290	95	95	
	1	14	Y	20	P16	14	3 900,0	135	37	880	3040			
	1	14	Y	20	P17	14	4 400,0	152	38	2100	280	2100		
	1	18	Y	16	P18	18	1 400,0	40	38	650	135	650		
	1	18	Y	16	P19	18	3 550,0	101	38	1675	280	1675		
	1	18	Y	16	P20	18	1 450,0	41	38	650	195	650		
	1	18	Y	16	P21	18	3 550,0	101	38	1675	280	1675		
	1	2	Y	16	P22	2	1 600,0	5	20	1600				
	1	2	Y	16	P23	2	2 350,0	7	20	2350				
	1	32	Y	25	SM01	32	1 770,0	218	99	SEE SKETCH				
	1	32	Y	25	SM02	32	1 950,0	240	99	SEE SKETCH				
	1	32	Y	25	SM03	32	2 400,0	296	99	SEE SKETCH				
	1	32	Y	25	SM04	32	3 400,0	419	37	1220	2225			
	1	32	Y	25	SM05	32	1 900,0	234	38	660	695	660		
	1	36	Y	25	SM06	36	1 800,0	250	37	660	1180			
	1	36	Y	25	SM07	36	3 400,0	472	37	1220	2225			
	1	10	Y	12	SU01	10	1 950,0	17	62	1660	1175	260		
	1	10	Y	12	SU02	10	4 350,0	39	38	1340	130	2940		
	1	20	Y	12	SU03	20	2 400,0	43	38	1100	230	1100		
	1	10	Y	12	SU04	10	5 200,0	46	38	2560	130	2560		
	1	10	Y	12	SU05	10	2 950,0	26	38	1340	290	1340		
	1	10	Y	12	SU06	10	1 900,0	17	38	840	235	840		
	1	10	Y	12	SU07	10	1 950,0	17	38	930	130	930		
	1	10	Y	12	SU08	10	1 950,0	17	38	890	205	890		
	1	10	Y	12	SU09	10	2 200,0	20	38	1070	100	1070		
	1	10	Y	12	SU10	10	1 800,0	16	38	880	100	880		
	1	13	Y	25	TD01	13	2 000,0	100	38	660	1020	450		
	1	13	Y	16	TD02	13	1 150,0	24	20	1160				
	1	13	Y	16	TD03	13	3 900,0	80	99	SEE SKETCH				
	1	14	Y	25	U01	14	3 050,0	165	37	1220	1870			
	1	17	Y	25	U02	17	2 750,0	180	37	1370	1430			
	1	17	Y	25	U03	17	1 350,0	88	38	530	295	660		
	1	17	Y	25	U04	17	3 050,0	200	37	1220	1870			
	1	20	Y	25	U05	20	2 200,0	170	37	660	1580			
	1	10	Y	25	U06	10	4 000,0	154	20	4000				



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

**B01-Y16**  
CUT LENGTH = 3140mm

**C07-Y12**  
CUT LENGTH = 1140mm

**C08-Y12**  
CUT LENGTH = 1815mm

**P03-Y12**  
CUT LENGTH = 940mm

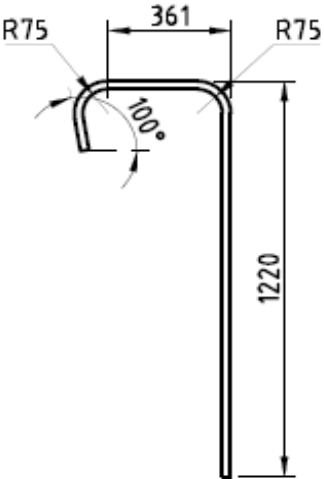
**P04-Y12**  
CUT LENGTH = 1350mm

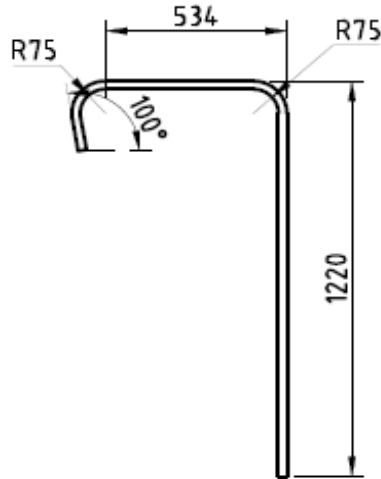
**P09-Y12**  
CUT LENGTH = 1190mm

**P12-Y12**  
CUT LENGTH = 1250mm

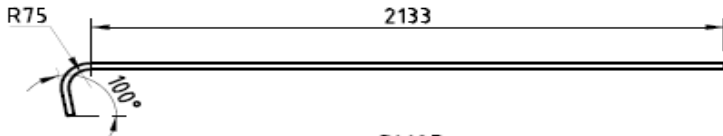
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82				
										A	B	C	D	E or R



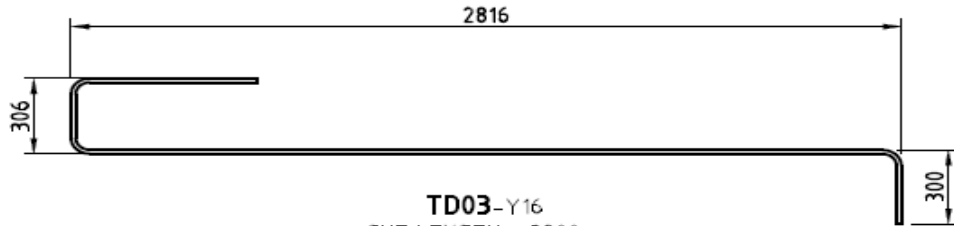
**SM01-Y25**  
CUT LENGTH = 1770mm





**SM02-Y25**  
CUT LENGTH = 1950mm



**SM03-Y25**  
CUT LENGTH = 2400mm



**TD03-Y16**  
CUT LENGTH = 3900mm

Engineers				<table><tr><td>MILD</td><td>R8</td><td>0</td></tr><tr><td>STEEL</td><td>R10</td><td>142,4</td></tr><tr><td></td><td>R12</td><td>0</td></tr><tr><td></td><td>R16</td><td>0</td></tr><tr><td></td><td>R20</td><td>0</td></tr><tr><td></td><td>R32</td><td>0</td></tr></table>		MILD	R8	0	STEEL	R10	142,4		R12	0		R16	0		R20	0		R32	0	<table><tr><td>HIGH</td><td>Y10</td><td>0</td></tr><tr><td>YIELD</td><td>Y12</td><td>7 215</td></tr><tr><td>STEEL</td><td>Y16</td><td>38 560</td></tr><tr><td></td><td>Y20</td><td>287</td></tr><tr><td></td><td>Y25</td><td>78 931</td></tr><tr><td></td><td>Y32</td><td>305</td></tr><tr><td></td><td>Y40</td><td>1 827</td></tr></table>		HIGH	Y10	0	YIELD	Y12	7 215	STEEL	Y16	38 560		Y20	287		Y25	78 931		Y32	305		Y40	1 827		
MILD	R8	0																																														
STEEL	R10	142,4																																														
	R12	0																																														
	R16	0																																														
	R20	0																																														
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HIGH	Y10	0																																														
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STEEL	Y16	38 560																																														
	Y20	287																																														
	Y25	78 931																																														
	Y32	305																																														
	Y40	1 827																																														
ORIGINATOR: ZAA		TOTAL R BARS = 142 kg		TOTAL Y BARS = 125 296 kg		Transnet National Ports Authority																																										
Date: 2019.07.26						Date:																																										
Compiled: AS						Name:																																										
Checked: MC						Signed:																																										
Approved: J ZIETSMAN Pr Eng																																																
Signed:																																																

ZAA SCHEDULE No.	DCT 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING	TNPA SCHEDULE No.
1785-CO-090-C-SCH-0010-01 T0A		2122830-1-090-C-SC-1009-01 T0A
ZAA REFERENCE DRAWING	TITLE	TNPA REFERENCE DRAWING
1785-CO-090-C-DWG-0010	REINFORCEMENT SCHEDULE CAPPING BEAM TYPE 6	2122830-1-090-C-GA-1009