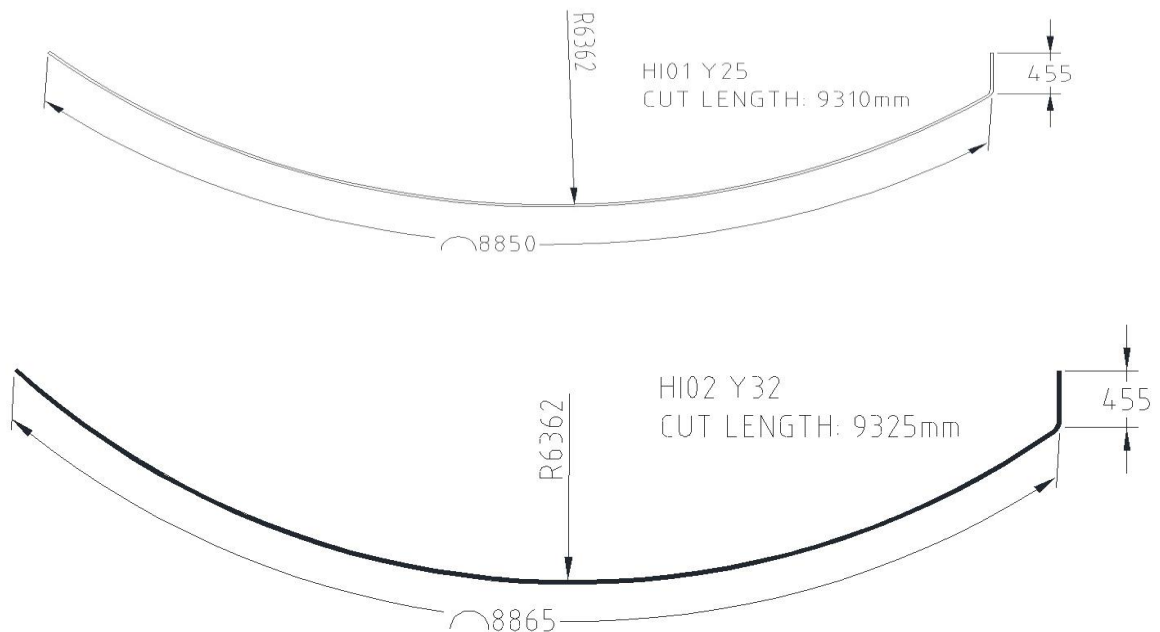


## CAISSON TYPE 5 WALL

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 5 CAISSON WALLS</b>	2	40	Y	25	H101	80	9 310,0	2870	99	SEE SKETCH				6362
	2	192	Y	32	H102	384	9 325,0	22607	99	SEE SKETCH				6362
	2	20	Y	25	H103	40	5 265,0	812	99	SEE SKETCH				6362
	2	20	Y	25	H104	40	6 290,0	970	99	SEE SKETCH				6362
	2	60	Y	32	H105	120	5 100,0	3864	65	5100				6362
	2	60	Y	32	H106	120	4 100,0	3106	65	4100				6362
	2	60	Y	20	H107	120	5 265,0	1558	99	SEE SKETCH				6362
	2	60	Y	20	H108	120	6 295,0	1863	99	SEE SKETCH				6362
	2	20	Y	25	H109	40	5 100,0	786	65	5100				
	2	20	Y	25	H110	40	4 100,0	632	65	4100				
	2	150	Y	25	H111	300	10 580,0	12231	99	SEE SKETCH				19776
	2	34	Y	32	H113	68	10 590,0	4546	99	SEE SKETCH				19776
	2	4	Y	32	H114A	8	1 805,0	91	99	SEE SKETCH				
	2	4	Y	32	H114B	8	1 930,0	98	99	SEE SKETCH				
	2	4	Y	32	H114C	8	2 055,0	104	99	SEE SKETCH				
	2	4	Y	32	H114D	8	2 180,0	110	99	SEE SKETCH				
	2	4	Y	32	H114E	8	2 305,0	116	99	SEE SKETCH				
	2	4	Y	32	H114F	8	2 430,0	123	99	SEE SKETCH				
	2	9622	Y	10	H01	19244	500,0	5932	85	120	280	80	80	
	2	24	Y	20	H02	48	1 800,0	213	38	800	280	800		
	2	140	Y	20	HO01	280	9 370,0	6470	99	SEE SKETCH				6622
	2	160	Y	25	HO02	320	9 370,0	11554	99	SEE SKETCH				6617
	2	92	Y	32	HO03	184	9 370,0	10885	99	SEE SKETCH				6610
	2	118	Y	25	HO04	236	10 230,0	9303	99	SEE SKETCH				20030
	2	66	Y	32	HO05	132	10 230,0	8525	99	SEE SKETCH				20024
	2	4	Y	25	HO06A	8	1 635,0	50	99	SEE SKETCH				20030
	2	4	Y	25	HO06B	8	1 760,0	54	99	SEE SKETCH				20030
	2	4	Y	25	HO06C	8	1 885,0	58	99	SEE SKETCH				20030
	2	4	Y	25	HO06D	8	2 010,0	62	99	SEE SKETCH				20030
	2	4	Y	25	HO06E	8	2 135,0	66	99	SEE SKETCH				20030
	2	4	Y	25	HO06F	8	2 260,0	70	99	SEE SKETCH				20030
	2	24	Y	20	V02	48	3 350,0	397	38	1600	220	1600		
	2	124	Y	20	V03	248	2 550,0	1560	38	1200	220	1200		
	2	48	Y	20	V04	96	1 750,0	414	38	800	220	800		
	2	52	Y	20	V05	104	4 450,0	1141	38	2150	220	2150		
	2	122	Y	20	VI01	244	6 000,0	3610	20	6000				
	2	128	Y	20	VI02	256	7 000,0	4419	20	7000				
	2	76	Y	20	VI13	152	5 400,0	2024	20	5400				
	2	80	Y	20	VI14	160	4 400,0	1736	20	4400				
	2	46	Y	20	VI15	92	4 600,0	1044	20	4600				
	2	48	Y	20	VI16	96	3 600,0	852	20	3600				
	2	48	Y	25	VO01	96	6 000,0	2220	20	6000				
	2	52	Y	25	VO02	104	5 000,0	2004	20	5000				
	2	52	Y	25	VO03	104	4 000,0	1603	20	4000				
	2	152	Y	25	VO04	304	6 000,0	7029	20	6000				
	2	94	Y	20	VO09	188	6 000,0	2782	20	6000				
	2	92	Y	20	VO10	184	7 000,0	3176	20	7000				
	2	94	Y	20	VO18	188	4 600,0	2133	20	4600				
	2	196	Y	20	N01	392	3 700,0	3577	99	SEE SKETCH				
	2	196	Y	12	N02	392	1 100,0	383	85	144	845	96	96	
	2	196	Y	12	N03	392	1 300,0	452	85	144	1025	96	96	
	2	196	R	10	N04	392	850,0	205	45	325	125	380	285	
	2	196	R	10	N05	392	900,0	218	49	325	380	175	285	315
	2	60	Y	20	N06	120	6 000,0	1776	20	6000				
	2	60	Y	20	N15	120	5 350,0	1583	20	5350				

## CAISSON TYPE 5 WALL

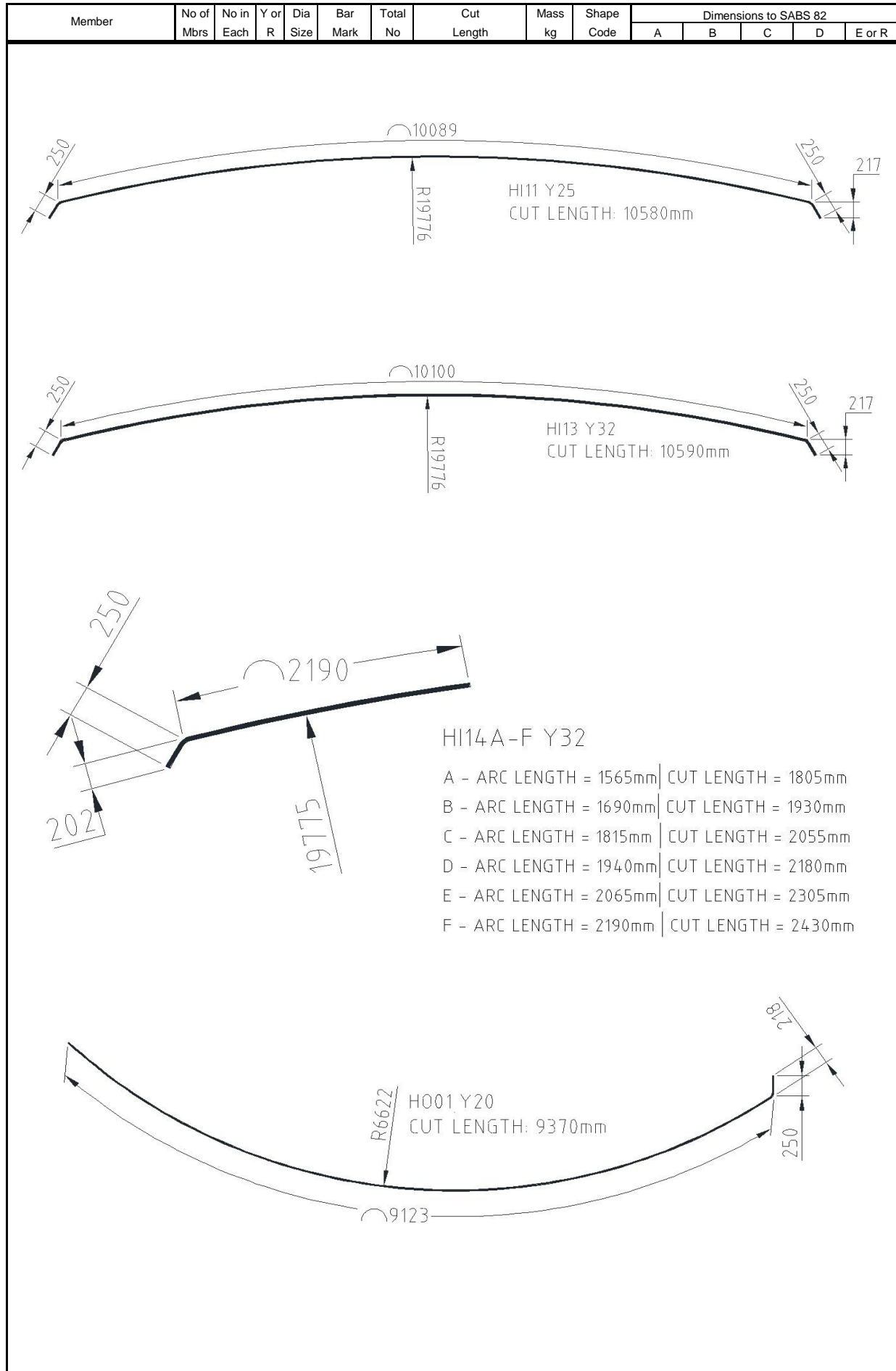
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82				
										A	B	C	D	E or R
	2	28	Y	25	CV01	56	6 000,0	1295	20	6000				
	2	24	Y	25	CV02	48	5 000,0	925	20	5000				
	2	2	Y	20	CV06A	4	8 350,0	82	60	3715	280			
	2	2	Y	20	CV06B	4	7 950,0	78	60	3525	280			
	2	2	Y	20	CV06C	4	7 550,0	75	60	3325	280			
	2	2	Y	20	CV06D	4	7 150,0	71	60	3125	280			
	2	2	Y	20	CV06E	4	6 850,0	68	60	2965	280			
	2	2	Y	20	CV06F	4	6 650,0	66	60	2865	280			
	2	2	Y	20	CV06G	4	6 450,0	64	60	2765	280			
	2	2	Y	20	CV06H	4	6 250,0	62	60	2665	280			
	2	2	Y	20	CV06I	4	6 050,0	60	60	2565	280			
	2	2	Y	20	CV06J	4	5 850,0	58	60	2465	280			
	2	22	Y	20	CV07	44	5 550,0	602	60	2320	280			
	2	89	Y	20	CV08	178	1 800,0	790	38	800	280	800		
	2	28	Y	20	CV11	56	3 900,0	539	20	3900				
	2	24	Y	20	CV12	48	4 900,0	580	20	4900				
	2	48	Y	25	CH01	96	4 650,0	1720	38	3000	280	1500		
	2	48	Y	25	CH02	96	7 450,0	2756	20	7450				
	2	64	Y	25	CH03	128	4 050,0	1998	38	1950	280	1950		
	2	62	Y	25	CH04	124	3 550,0	1696	38	1850	280	1550		
	2	62	Y	25	CH05	124	2 750,0	1314	38	1450	280	1150		
	2	38	Y	25	CH08	76	4 250,0	1245	38	2200	280	1900		
	2	2	Y	25	CH09A	4	4 150,0	64	38	2000	280	2000		
	2	2	Y	25	CH09B	4	3 900,0	60	38	1875	280	1875		
	2	2	Y	25	CH09C	4	3 650,0	56	38	1750	280	1750		
	2	2	Y	25	CH09D	4	3 400,0	52	38	1625	280	1625		
	2	2	Y	25	CH09E	4	3 150,0	49	38	1500	280	1500		
	2	2	Y	25	CH09F	4	2 900,0	45	38	1375	280	1375		
	2	12	Y	25	CH10	24	2 650,0	245	38	1250	280	1250		
	2	36	Y	32	CH11	72	9 170,0	4168	99	SEE SKETCH				
	2	2	Y	25	CH12A	4	9 100,0	140	38	200	8850	200		
	2	2	Y	25	CH12B	4	9 000,0	139	38	200	8750	200		
	2	2	Y	25	CH12C	4	8 900,0	137	38	200	8650	200		
	2	2	Y	25	CH12D	4	8 800,0	136	38	200	8550	200		
	2	2	Y	25	CH12E	4	8 750,0	135	38	200	8450	200		
	2	98	Y	20	CH13	196	2 100,0	1015	20	2100				
	2	16	Y	32	CH14	32	4 000,0	808	20	4000				
	2	102	Y	10	H01	204	500,0	63	85	120	280	80	80	



CAISSON TYPE 5 WALL

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	
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HI03 Y25</div><div>CUT LENGTH: 5265mm</div></div><div><div>R6362</div><div></div></div><div><div>4805</div><div></div></div><div><div>455</div><div></div></div></div></div></div>															
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HI04 Y25</div><div>CUT LENGTH: 6290mm</div></div><div><div>R6362</div><div></div></div><div><div>5833</div><div></div></div><div><div>455</div><div></div></div></div></div></div>															
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HI07 Y20</div><div>CUT LENGTH: 5265mm</div></div><div><div>R6362</div><div></div></div><div><div>4808</div><div></div></div><div><div>455</div><div></div></div></div></div></div>															
<div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div>HI08 Y20</div><div>CUT LENGTH: 6295mm</div></div><div><div>R6362</div><div></div></div><div><div>5839</div><div></div></div><div><div>455</div><div></div></div></div></div></div>															

CAISSON TYPE 5 WALL



CAISSON TYPE 5 WALL

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

H002 Y25  
CUT LENGTH: 9370mm

9116

250

H003 Y32  
CUT LENGTH: 9370mm

9114

250

H004 Y25  
CUT LENGTH: 10230mm

9696

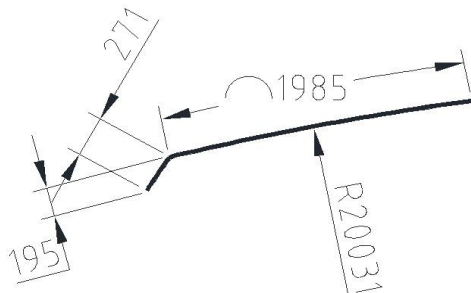
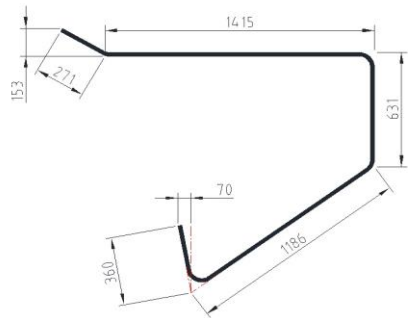
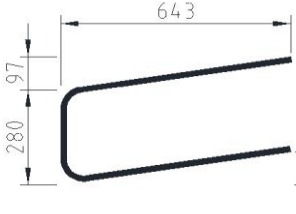

270



H005 Y32  
CUT LENGTH: 10230mm

9684

270

CAISSON TYPE 5 WALL

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
<div><div></div><div><div>H006A-F Y25</div><div>A - ARC LENGTH = 1360mm   CUT LENGTH = 1635mm B - ARC LENGTH = 1485mm   CUT LENGTH = 1760mm C - ARC LENGTH = 1610mm   CUT LENGTH = 1885mm D - ARC LENGTH = 1735mm   CUT LENGTH = 2010mm E - ARC LENGTH = 1860mm   CUT LENGTH = 2135mm F - ARC LENGTH = 1985mm   CUT LENGTH = 2260mm</div></div></div>														
<div><div><p>N01 Y20</p><p>CUT LENGTH: 3700mm</p></div></div>														
<div><div></div><div><div>B02 Y16</div><div>CUT LENGTH: 1550mm</div></div></div>														
<div><div></div><div><div>CH11 Y32</div><div>CUT LENGTH: 9170mm</div></div></div>														

Engineers		<div> ORIGINATOR: ZAA Date: 2019.07.26 Compiled: DM Checked: MS Approved: J ZIETSMAN Pr Eng Signed:</div>		<div><div>MILD STEEL</div><table><tr><td>R8</td><td>0</td></tr><tr><td>R10</td><td>422,9</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><div>TOTAL R BARS = 423 kg</div></div>		R8	0	R10	422,9	R12	0	R16	0	R20	0	R32	0	<div><div>HIGH YIELD STEEL</div><table><tr><td>Y10</td><td>5 995</td></tr><tr><td>Y12</td><td>835</td></tr><tr><td>Y16</td><td>0</td></tr><tr><td>Y20</td><td>46 537</td></tr><tr><td>Y25</td><td>66 578</td></tr><tr><td>Y32</td><td>59 151</td></tr></table><div>TOTAL Y BARS = 179 096 kg</div></div>		Y10	5 995	Y12	835	Y16	0	Y20	46 537	Y25	66 578	Y32	59 151	<div><div></div><div>Transnet National Ports Authority</div><div>Date:</div><div>Name:</div><div>Signed:</div></div>	
R8	0																																
R10	422,9																																
R12	0																																
R16	0																																
R20	0																																
R32	0																																
Y10	5 995																																
Y12	835																																
Y16	0																																
Y20	46 537																																
Y25	66 578																																
Y32	59 151																																
ZAA SCHEDULE No.		DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING		TNPA SCHEDULE No.																													
1785-CO-060-C-SCH-0013-02 T0A				2122830-1-060-C-SC-1012-02 T0A																													
ZAA REFERENCE DRAWING		TITLE		TNPA REFERENCE DRAWING																													
1785-CO-060-C-DWG-0013-03/04		REINFORCEMENT SCHEDULE CAISSON TYPE 5 WALL		2122830-1-060-C-GA-1012-03/04																													