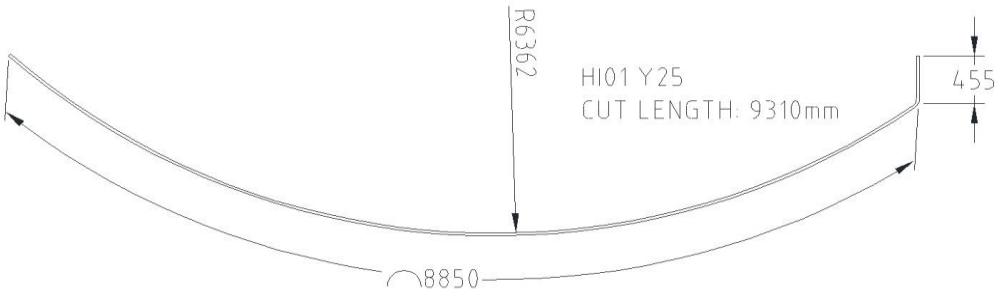


## CAISSON TYPE 4 WALL

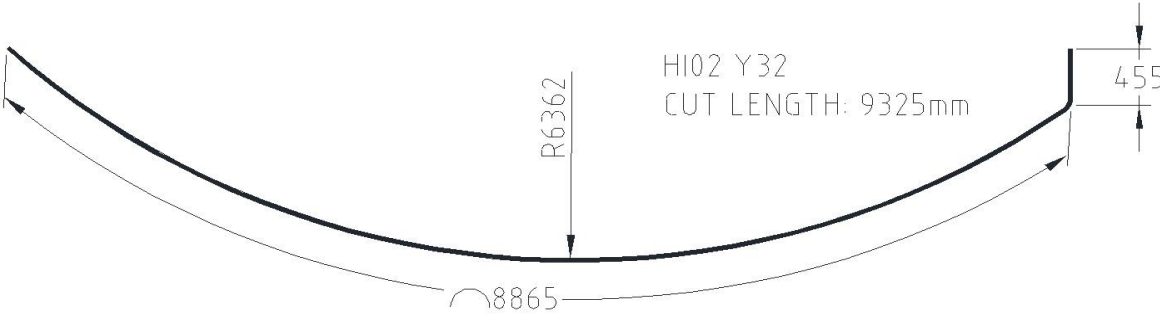
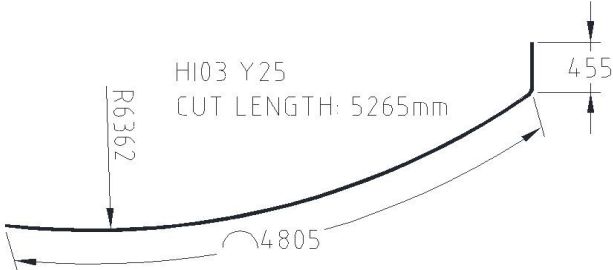
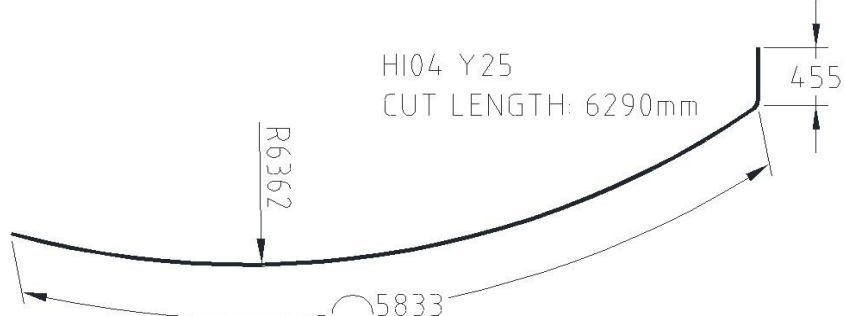
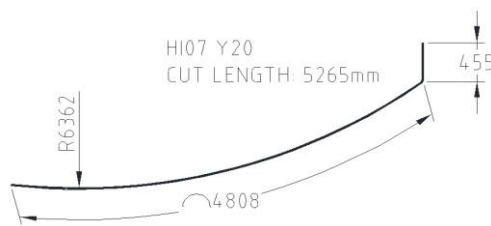
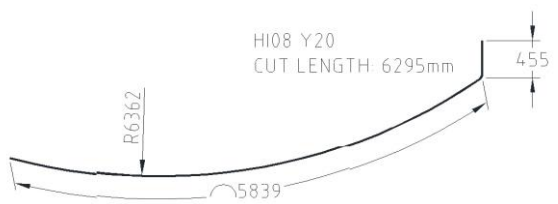
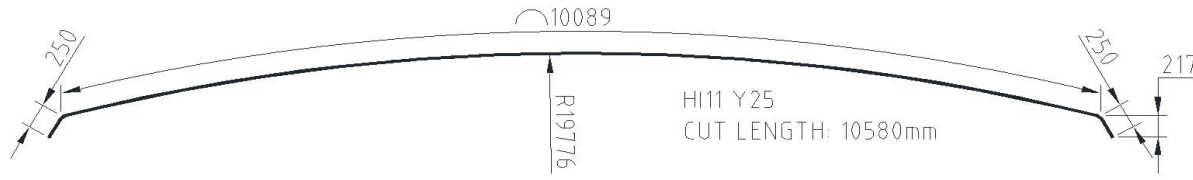
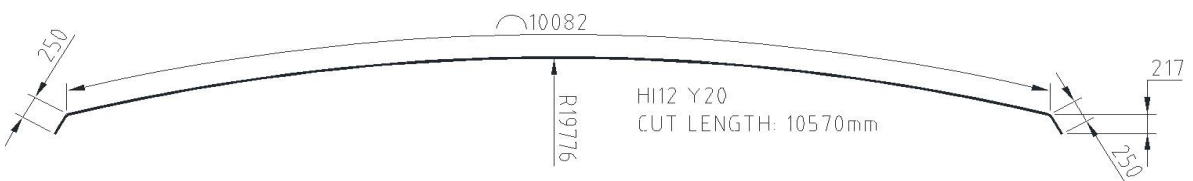
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82				
										A	B	C	D	E or R
<b>TYPE 4 CAISSON WALLS</b>	3	84	Y	25	H101	252	9 310,0	9040	99	SEE SKETCH				6362
	3	208	Y	32	H102	624	9 325,0	36736	99	SEE SKETCH				6362
	3	28	Y	25	H103	84	5 265,0	1704	99	SEE SKETCH				6362
	3	24	Y	25	H104	72	6 290,0	1745	99	SEE SKETCH				6362
	3	76	Y	32	H105	228	5 100,0	7341	65	5100				6362
	3	76	Y	32	H106	228	4 100,0	5902	65	4100				6362
	3	76	Y	20	H107	228	5 265,0	2960	99	SEE SKETCH				6362
	3	76	Y	20	H108	228	6 295,0	3540	99	SEE SKETCH				6362
	3	24	Y	25	H109	72	5 100,0	1415	65	5100				
	3	28	Y	25	H110	84	4 100,0	1327	65	4100				
	3	156	Y	25	H111	468	10 580,0	19080	99	SEE SKETCH				19776
	3	46	Y	20	H112	138	10 570,0	3597	99	SEE SKETCH				19776
	3	34	Y	32	H113	102	10 590,0	6820	99	SEE SKETCH				19776
	3	4	Y	32	H114A	12	1 805,0	137	99	SEE SKETCH				
	3	4	Y	32	H114B	12	1 930,0	146	99	SEE SKETCH				
	3	4	Y	32	H114C	12	2 055,0	156	99	SEE SKETCH				
	3	4	Y	32	H114D	12	2 180,0	165	99	SEE SKETCH				
	3	4	Y	32	H114E	12	2 305,0	175	99	SEE SKETCH				
	3	4	Y	32	H114F	12	2 430,0	184	99	SEE SKETCH				
	3	11226	Y	10	H01	33678	500,0	10382	85	120	280	80	80	
	3	24	Y	20	H02	72	1 800,0	320	38	800	280	800		
	3	196	Y	20	HO01	588	9 370,0	13587	99	SEE SKETCH				6622
	3	208	Y	25	HO02	624	9 370,0	22530	99	SEE SKETCH				6617
	3	92	Y	32	HO03	276	9 370,0	16327	99	SEE SKETCH				6610
	3	152	Y	25	HO04	456	10 230,0	17976	99	SEE SKETCH				20030
	3	84	Y	32	HO05	252	10 230,0	16276	99	SEE SKETCH				20024
	3	4	Y	25	HO06A	12	1 635,0	76	99	SEE SKETCH				20030
	3	4	Y	25	HO06B	12	1 760,0	81	99	SEE SKETCH				20030
	3	4	Y	25	HO06C	12	1 885,0	87	99	SEE SKETCH				20030
	3	4	Y	25	HO06D	12	2 010,0	93	99	SEE SKETCH				20030
	3	4	Y	25	HO06E	12	2 135,0	99	99	SEE SKETCH				20030
	3	4	Y	25	HO06F	12	2 260,0	105	99	SEE SKETCH				20030
	3	152	Y	20	V01	456	1 750,0	1968	38	800	230	800		
	3	24	Y	20	V02	72	3 350,0	595	38	1600	220	1600		
	3	72	Y	20	V03	216	2 550,0	1358	38	1200	220	1200		
	3	122	Y	20	VI01	366	6 000,0	5416	20	6000				
	3	284	Y	20	VI02	852	7 000,0	14708	20	7000				
	3	94	Y	20	VI04	282	4 800,0	3338	20	4800				
	3	76	Y	20	VI09	228	2 400,0	1350	20	2400				
	3	80	Y	20	VI10	240	1 400,0	829	20	1400				
	3	46	Y	20	VI11	138	3 800,0	1293	20	3800				
	3	48	Y	20	VI12	144	2 800,0	994	20	2800				
	3	48	Y	25	VO01	144	6 000,0	3329	20	6000				
	3	74	Y	25	VO02	222	5 000,0	4277	20	5000				
	3	74	Y	25	VO03	222	4 000,0	3422	20	4000				
	3	152	Y	25	VO04	456	6 000,0	10543	20	6000				
	3	94	Y	20	VO09	282	6 000,0	4173	20	6000				
	3	92	Y	20	VO10	276	7 000,0	4765	20	7000				
	3	48	Y	20	VO13	144	3 600,0	1279	20	3600				
	3	52	Y	20	VO14	156	4 600,0	1770	20	4600				
	3	52	Y	20	VO15	156	5 600,0	2154	20	5600				
	3	46	Y	20	VO16	138	3 650,0	1242	20	3650				
	3	48	Y	20	VO17	144	4 650,0	1651	20	4650				
	3	248	Y	20	N01	744	3 630,0	6660	99	SEE SKETCH				
	3	248	Y	12	N02	744	1 100,0	727	85	144	845	96	96	
	3	248	Y	12	N03	744	1 300,0	859	85	144	1025	96	96	
	3	248	R	10	N04	744	850,0	390	45	325	125	380	285	
	3	248	R	10	N05	744	900,0	413	49	325	380	175	285	315
	3	120	Y	20	N06	360	6 000,0	5327	20	6000				
	3	60	Y	20	N14	180	1 600,0	710	20	1600				

### CAISSON TYPE 4 WALL

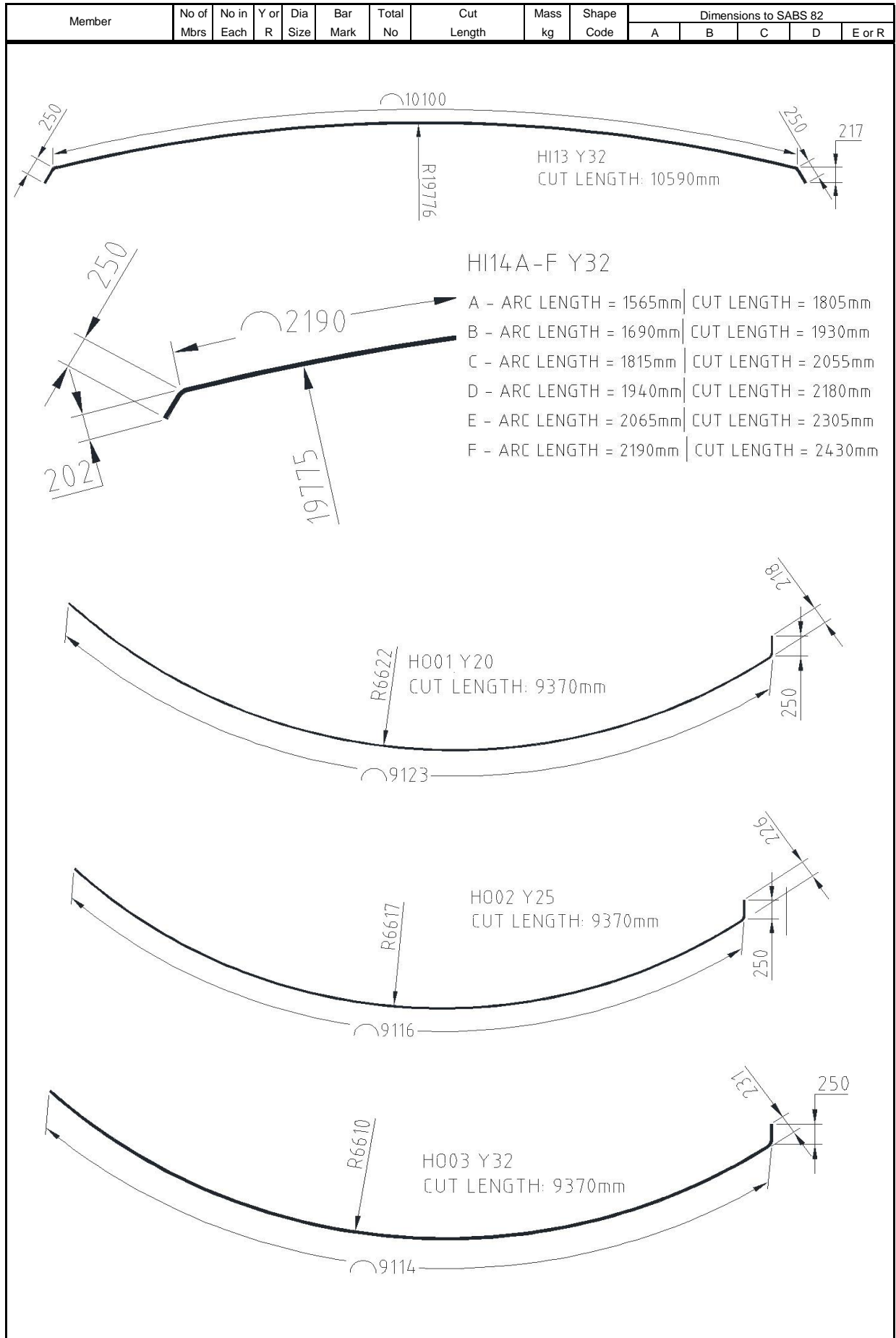
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82				
										A	B	C	D	E or R
	3	2	Y	20	CV06A	6	8 350,0	124	60	3715	280			
	3	2	Y	20	CV06B	6	7 950,0	118	60	3525	280			
	3	2	Y	20	CV06C	6	7 550,0	112	60	3325	280			
	3	2	Y	20	CV06D	6	7 150,0	106	60	3125	280			
	3	2	Y	20	CV06E	6	6 850,0	101	60	2965	280			
	3	2	Y	20	CV06F	6	6 650,0	98	60	2865	280			
	3	2	Y	20	CV06G	6	6 450,0	95	60	2765	280			
	3	2	Y	20	CV06H	6	6 250,0	93	60	2665	280			
	3	2	Y	20	CV06I	6	6 050,0	90	60	2565	280			
	3	2	Y	20	CV06J	6	5 850,0	87	60	2465	280			
	3	22	Y	20	CV07	66	5 550,0	903	60	2320	280			
	3	89	Y	20	CV08	267	1 800,0	1185	38	800	280	800		
	3	52	Y	25	CV09	156	6 500,0	3907	20	6500				
	3	52	Y	20	CV10	156	7 050,0	2712	20	7050				
	3	48	Y	25	CH01	144	4 650,0	2580	38	3000	280	1500		
	3	48	Y	25	CH02	144	7 450,0	4134	20	7450				
	3	64	Y	25	CH03	192	4 050,0	2996	38	1950	280	1950		
	3	76	Y	25	CH04	228	3 550,0	3119	38	1850	280	1550		
	3	76	Y	25	CH05	228	2 800,0	2460	38	1450	280	1150		
	3	42	Y	20	CH06	126	3 600,0	1119	38	1850	280	1550		
	3	42	Y	20	CH07	126	2 400,0	746	38	1250	280	950		
	3	38	Y	25	CH08	114	4 250,0	1867	38	2200	280	1900		
	3	2	Y	25	CH09A	6	4 150,0	96	38	2000	280	2000		
	3	2	Y	25	CH09B	6	3 900,0	90	38	1875	280	1875		
	3	2	Y	25	CH09C	6	3 650,0	84	38	1750	280	1750		
	3	2	Y	25	CH09D	6	3 400,0	79	38	1625	280	1625		
	3	2	Y	25	CH09E	6	3 150,0	73	38	1500	280	1500		
	3	2	Y	25	CH09F	6	2 900,0	67	38	1375	280	1375		
	3	12	Y	25	CH10	36	2 650,0	368	38	1250	280	1250		
	3	36	Y	32	CH11	108	9 170,0	6253	99	SEE SKETCH				
	3	2	Y	25	CH12A	6	9 100,0	210	38	200	8850	200		
	3	2	Y	25	CH12B	6	9 000,0	208	38	200	8750	200		
	3	2	Y	25	CH12C	6	8 900,0	206	38	200	8650	200		
	3	2	Y	25	CH12D	6	8 800,0	204	38	200	8550	200		
	3	2	Y	25	CH12E	6	8 750,0	202	38	200	8450	200		
	3	124	Y	20	CH13	372	2 100,0	1927	20	2100				
	3	16	Y	32	CH14	48	4 000,0	1212	20	4000				
	3	118	Y	10	H01	354	500,0	109	85	120	280	80	80	



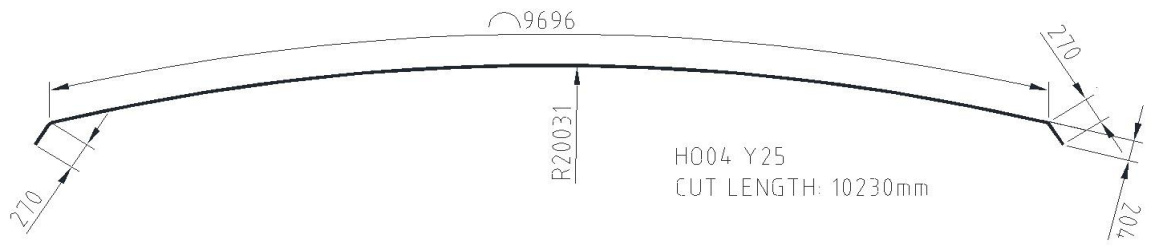
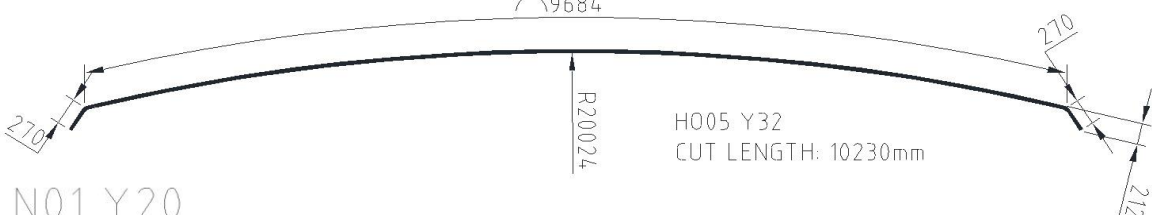
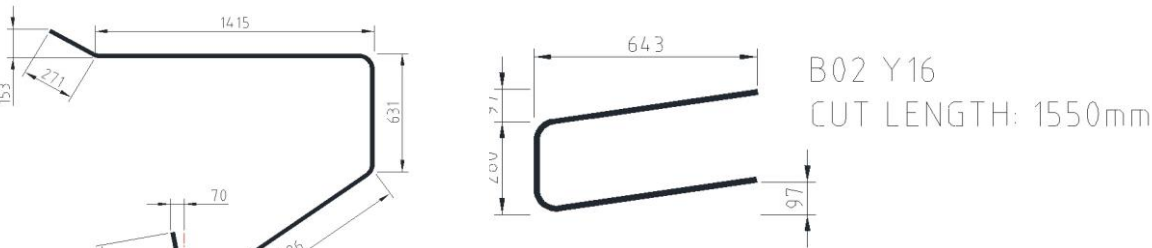
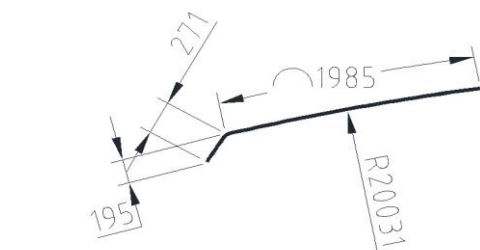



CAISSON TYPE 4 WALL

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																	
 <p>HI02 Y32 CUT LENGTH: 9325mm</p>																															
 <p>HI03 Y25 CUT LENGTH: 5265mm</p>																															
 <p>HI04 Y25 CUT LENGTH: 6290mm</p>																															
 <p>HI07 Y20 CUT LENGTH: 5265mm</p>																 <p>HI08 Y20 CUT LENGTH: 6295mm</p>															
 <p>HI11 Y25 CUT LENGTH: 10580mm</p>																															
 <p>HI12 Y20 CUT LENGTH: 10570mm</p>																															

CAISSON TYPE 4 WALL



CAISSON TYPE 4 WALL

Member	No of Mbres	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><p>H004 Y25 CUT LENGTH: 10230mm</p></div><div><p>H005 Y32 CUT LENGTH: 10230mm</p></div><div><p>N01 Y20 CUT LENGTH: 3700mm</p></div><div><p>B02 Y16 CUT LENGTH: 1550mm</p></div><div><p>H006A-F Y25</p><div><div>A - ARC LENGTH = 1360mm   CUT LENGTH = 1635mm</div><div>B - ARC LENGTH = 1485mm   CUT LENGTH = 1760mm</div><div>C - ARC LENGTH = 1610mm   CUT LENGTH = 1885mm</div><div>D - ARC LENGTH = 1735mm   CUT LENGTH = 2010mm</div><div>E - ARC LENGTH = 1860mm   CUT LENGTH = 2135mm</div><div>F - ARC LENGTH = 1985mm   CUT LENGTH = 2260mm</div></div><div><p>CH11 Y32 CUT LENGTH: 9170mm</p></div></div></div>																																									
Engineers				ORIGINATOR: ZAA		Date: 2019.07.26		Compiled: DM		Checked: MS		Approved: J ZIETSMAN Pr Eng		Signed:																											
ZAA SCHEDULE No.		1785-CO-060-C-SCH-0011-02 T0A		MILD STEEL		<table><tr><td>R8</td><td>0</td></tr><tr><td>R10</td><td>802,7</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	0	R10	802,7	R12	0	R16	0	R20	0	R32	0	TOTAL R BARS = 803 kg		HIGH YIELD STEEL		<table><tr><td>Y10</td><td>10 491</td></tr><tr><td>Y12</td><td>1 585</td></tr><tr><td>Y16</td><td>0</td></tr><tr><td>Y20</td><td>95 199</td></tr><tr><td>Y25</td><td>119 879</td></tr><tr><td>Y32</td><td>97 828</td></tr></table>		Y10	10 491	Y12	1 585	Y16	0	Y20	95 199	Y25	119 879	Y32	97 828	TOTAL Y BARS = 324 982 kg			
R8	0																																								
R10	802,7																																								
R12	0																																								
R16	0																																								
R20	0																																								
R32	0																																								
Y10	10 491																																								
Y12	1 585																																								
Y16	0																																								
Y20	95 199																																								
Y25	119 879																																								
Y32	97 828																																								
Transnet National Ports Authority		Date:		Name:		Signed:		TNPA SCHEDULE No.		2122830-1-060-C-SC-1010-02 T0A		TNPA REFERENCE DRAWING		2122830-1-060-C-GA-1010-03/04																											
DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING		TITLE		REINFORCEMENT SCHEDULE CAISSON TYPE 4 WALL		ZAA REFERENCE DRAWING		1785-CO-060-C-DWG-0011-03/04		TNPA REFERENCE DRAWING		2122830-1-060-C-GA-1010-03/04																													