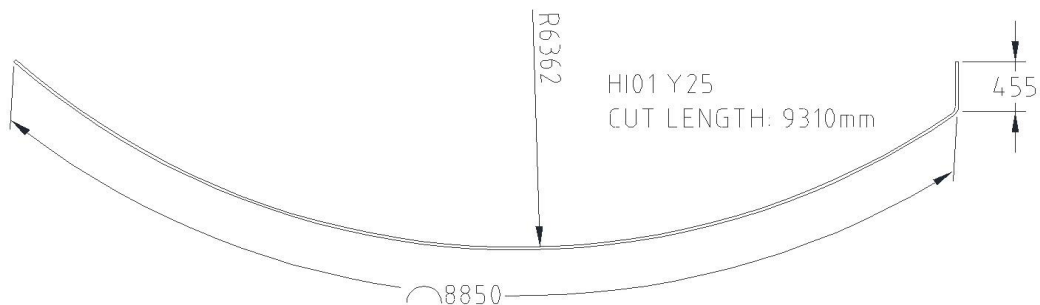


CAISSON TYPE 3 WALL

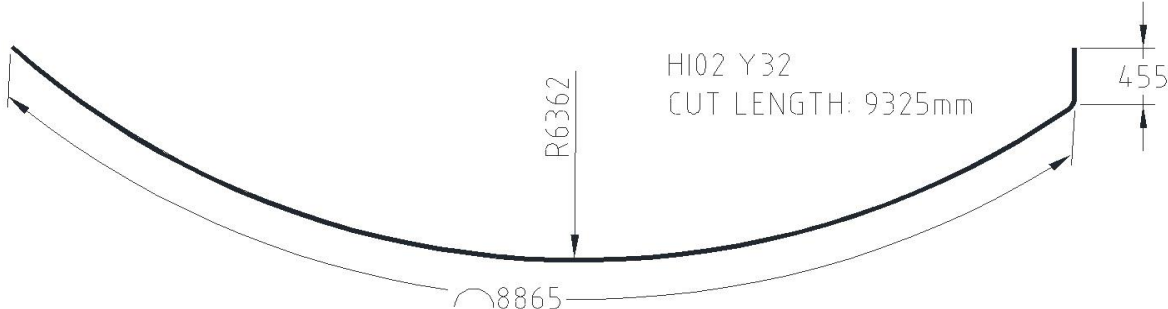
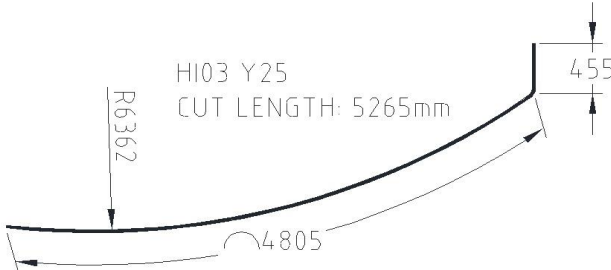
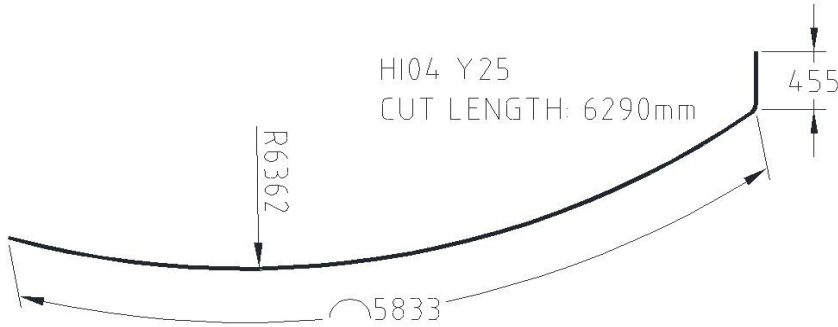
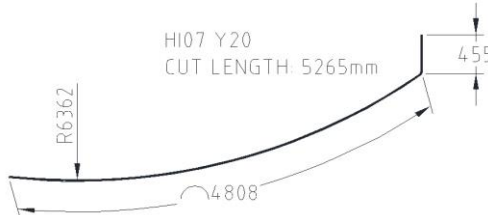
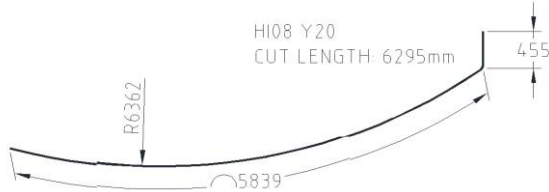
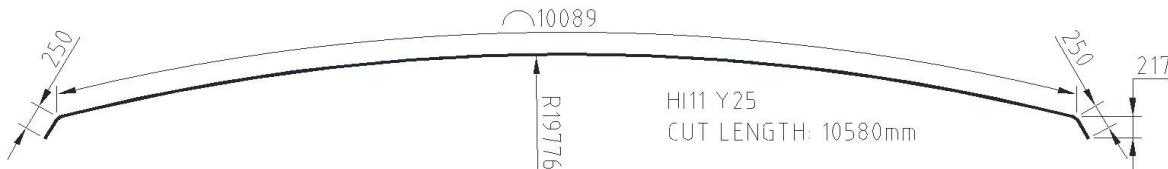
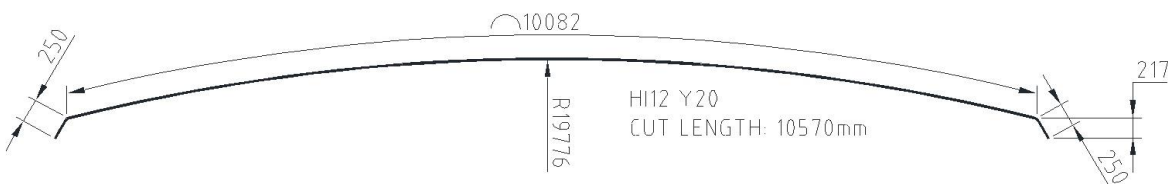
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82				
										A	B	C	D	E or R
TYPE 3 CAISSON WALLS	2	128	Y	25	H101	256	9 310,0	9184	99	SEE SKETCH				6362
	2	208	Y	32	H102	416	9 325,0	24491	99	SEE SKETCH				6362
	2	32	Y	25	H103	64	5 265,0	1298	99	SEE SKETCH				6362
	2	32	Y	25	H104	64	6 290,0	1551	99	SEE SKETCH				6362
	2	96	Y	32	H105	192	5 100,0	6182	65	5100				6362
	2	96	Y	32	H106	192	4 100,0	4970	65	4100				6362
	2	96	Y	20	H107	192	5 265,0	2493	99	SEE SKETCH				6362
	2	96	Y	20	H108	192	6 295,0	2981	99	SEE SKETCH				6362
	2	32	Y	25	H109	64	5 100,0	1258	65	5100				
	2	32	Y	25	H110	64	4 100,0	1011	65	4100				
	2	192	Y	25	H111	384	10 580,0	15655	99	SEE SKETCH				19776
	2	64	Y	20	H112	128	10 570,0	3337	99	SEE SKETCH				19776
	2	34	Y	32	H113	68	10 590,0	4546	99	SEE SKETCH				19776
	2	2	Y	32	H114A	4	1 805,0	46	99	SEE SKETCH				
	2	2	Y	32	H114B	4	1 930,0	49	99	SEE SKETCH				
	2	2	Y	32	H114C	4	2 055,0	52	99	SEE SKETCH				
	2	2	Y	32	H114D	4	2 180,0	55	99	SEE SKETCH				
	2	2	Y	32	H114E	4	2 305,0	58	99	SEE SKETCH				
	2	2	Y	32	H114F	4	2 430,0	61	99	SEE SKETCH				
	2	12552	Y	10	H01	25104	500,0	7739	85	120	280	80	80	
	2	12	Y	20	H02	24	1 800,0	107	38	800	280	800		
	2	256	Y	20	HO01	512	9 370,0	11831	99	SEE SKETCH				6622
	2	256	Y	25	HO02	512	9 370,0	18486	99	SEE SKETCH				6617
	2	80	Y	32	HO03	160	9 370,0	9465	99	SEE SKETCH				6610
	2	190	Y	25	HO04	380	10 230,0	14980	99	SEE SKETCH				20030
	2	100	Y	32	HO05	200	10 230,0	12917	99	SEE SKETCH				20024
	2	2	Y	25	HO06A	4	1 635,0	25	99	SEE SKETCH				20030
	2	2	Y	25	HO06B	4	1 760,0	27	99	SEE SKETCH				20030
	2	2	Y	25	HO06C	4	1 885,0	29	99	SEE SKETCH				20030
	2	2	Y	25	HO06D	4	2 010,0	31	99	SEE SKETCH				20030
	2	2	Y	25	HO06E	4	2 135,0	33	99	SEE SKETCH				20030
	2	2	Y	25	HO06F	4	2 260,0	35	99	SEE SKETCH				20030
	2	164	Y	20	V01	328	1 750,0	1416	38	800	230	800		
	2	12	Y	20	V02	24	3 350,0	198	38	1600	220	1600		
	2	72	Y	20	V03	144	2 550,0	906	38	1200	220	1200		
	2	122	Y	20	VI01	244	6 000,0	3610	20	6000				
	2	378	Y	20	VI02	756	7 000,0	13051	20	7000				
	2	38	Y	20	VI03	76	5 800,0	1087	20	5800				
	2	40	Y	20	VI04	80	4 800,0	947	20	4800				
	2	46	Y	20	VI05	92	5 100,0	1157	20	5100				
	2	48	Y	20	VI06	96	4 100,0	971	20	4100				
	2	38	Y	20	VI07	76	5 050,0	947	20	5050				
	2	40	Y	20	VI08	80	4 050,0	799	20	4050				
	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	76	Y	20	VO05	152	6 000,0	2249	20	6000				
	2	48	Y	20	VO06	96	1 800,0	426	20	1800				
	2	52	Y	20	VO07	104	2 800,0	718	20	2800				
	2	52	Y	20	VO08	104	3 800,0	975	20	3800				
	2	186	Y	20	VO09	372	6 000,0	5504	20	6000				
	2	140	Y	20	VO10	280	7 000,0	4834	20	7000				
	2	48	Y	20	VO11	96	5 000,0	1184	20	5000				
	2	76	Y	20	VO12	152	5 250,0	1968	20	5250				
	2	298	Y	20	N01	596	3 630,0	5336	99	SEE SKETCH				
	2	298	Y	12	N02	596	1 100,0	582	85	144	845	96	96	
	2	298	Y	12	N03	596	1 300,0	688	85	144	1025	96	96	
	2	371	R	10	N04	742	850,0	389	45	325	125	380	285	
	2	371	R	10	N05	742	900,0	412	49	325	380	175	285	315
	2	198	Y	20	N06	396	6 000,0	5860	20	6000				
	2	30	Y	20	N07	60	1 600,0	237	20	1600				
	2	73	Y	20	N08	146	2 300,0	828	20	SEE SKETCH				
	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	52	Y	20	CV03	104	6 000,0	1539	20	6000				
	2	14	Y	20	CV04	28	5 550,0	383	20	5550				
	2	12	Y	20	CV05	24	6 550,0	388	20	6550				
	2	1	Y	20	CV06A	2	8 350,0	41	60	3715	280			
	2	1	Y	20	CV06B	2	7 950,0	39	60	3525	280			

CAISSON TYPE 3 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	1	Y	20	CV06C	2	7 550,0	37	60	3325	280			
	2	1	Y	20	CV06D	2	7 150,0	35	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	91	Y	20	CV08	182	1 800,0	808	38	800	280	800		
	2	14	Y	20	CV09	28	4 750,0	328	20	4750				
	2	12	Y	20	CV10	24	5 750,0	340	20	5750				
	2	1	Y	20	CV11A	2	7 600,0	38	60	3350	280			
	2	1	Y	20	CV11B	2	7 450,0	37	60	3265	280			
	2	1	Y	20	CV11C	2	7 250,0	36	60	3165	280			
	2	1	Y	20	CV11D	2	7 050,0	35	60	3065	280			
	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	76	Y	25	CH04	152	3 550,0	2079	38	1850	280	1550		
	2	76	Y	25	CH05	152	2 800,0	1640	38	1450	280	1150		
	2	96	Y	20	CH06	192	3 600,0	1705	38	1850	280	1550		
	2	96	Y	20	CH07	192	2 400,0	1136	38	1250	280	950		
	2	38	Y	25	CH08	76	4 250,0	1245	38	2200	280	1900		
	2	1	Y	25	CH09A	2	4 150,0	32	38	2000	280	2000		
	2	1	Y	25	CH09B	2	3 900,0	30	38	1875	280	1875		
	2	1	Y	25	CH09C	2	3 650,0	28	38	1750	280	1750		
	2	1	Y	25	CH09D	2	3 400,0	26	38	1625	280	1625		
	2	1	Y	25	CH09E	2	3 150,0	24	38	1500	280	1500		
	2	1	Y	25	CH09F	2	2 900,0	22	38	1375	280	1375		
	2	6	Y	25	CH10	12	2 650,0	123	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	149	Y	20	CH13	298	2 100,0	1543	20	2100				
	2	16	Y	32	CH14	32	4 000,0	808	20	4000				
	2	138	Y	10	H01	276	500,0	85	85	120	280	80	80	

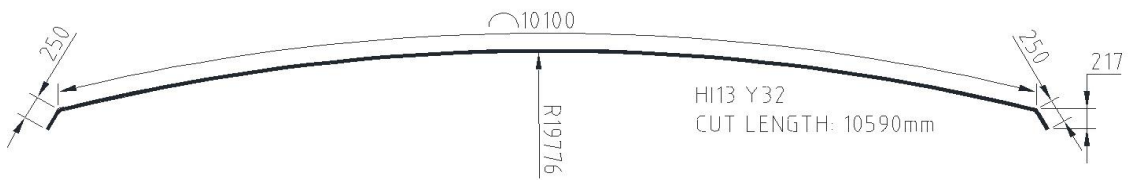


CAISSON TYPE 3 WALL

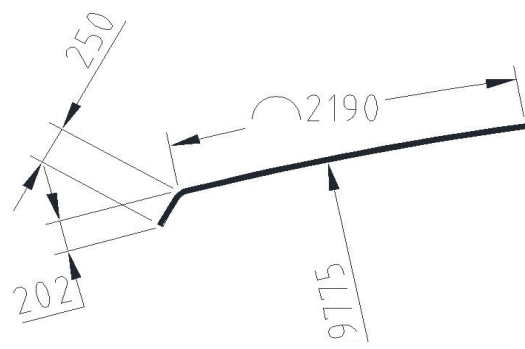
Member	No of Mbrs	No in Each	Y or R	Dia Size	Bar Mark	Total No	Cut Length	Mass kg	Shape Code	Dimensions to SABS 82										
										A	B	C	D	E or R						
 <p>HI02 Y32 CUT LENGTH: 9325mm</p>																				
 <p>HI03 Y25 CUT LENGTH: 5265mm</p>																				
 <p>HI04 Y25 CUT LENGTH: 6290mm</p>																				
 <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 3 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

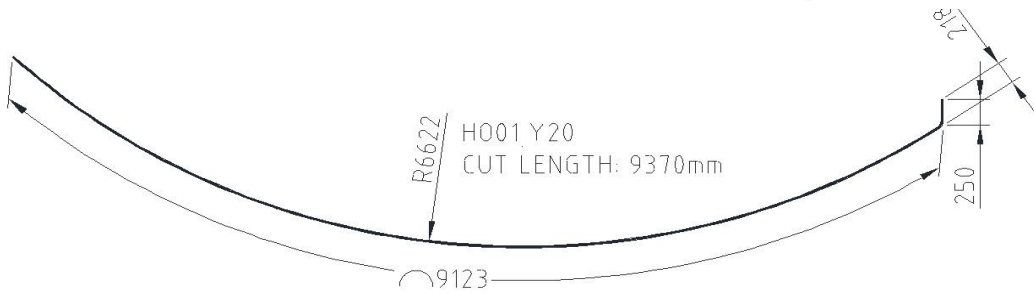


HI13 Y32
CUT LENGTH: 10590mm

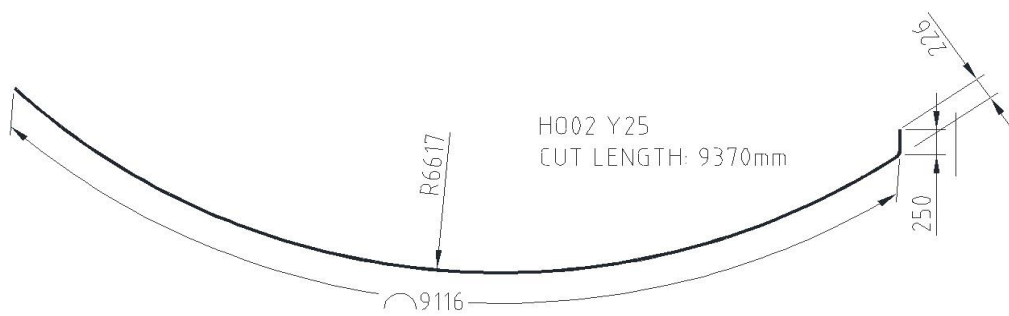


HI14A-F Y32

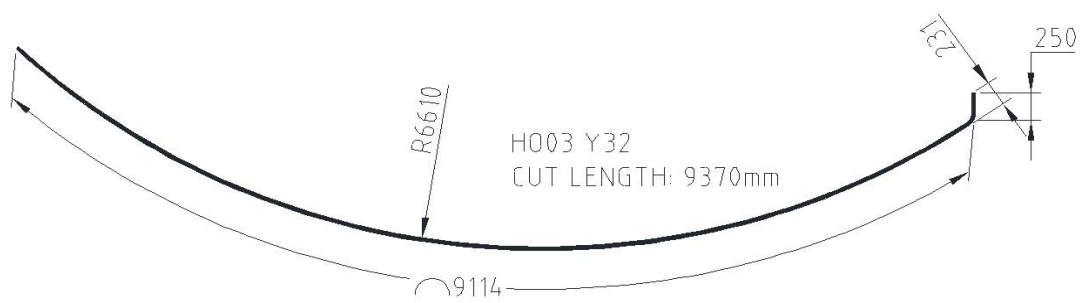
A - ARC LENGTH = 1565mm	CUT LENGTH = 1805mm
B - ARC LENGTH = 1690mm	CUT LENGTH = 1930mm
C - ARC LENGTH = 1815mm	CUT LENGTH = 2055mm
D - ARC LENGTH = 1940mm	CUT LENGTH = 2180mm
E - ARC LENGTH = 2065mm	CUT LENGTH = 2305mm
F - ARC LENGTH = 2190mm	CUT LENGTH = 2430mm



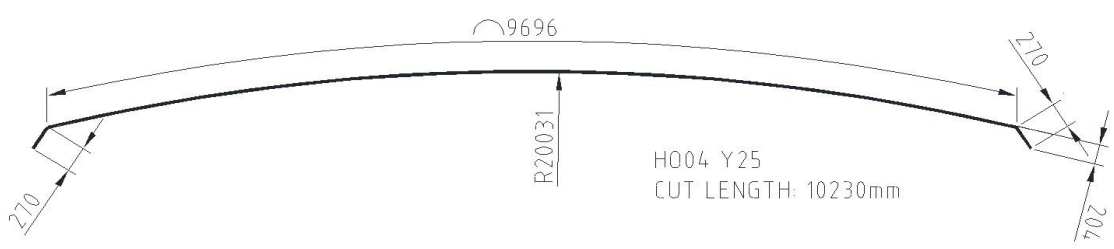
H001 Y20
CUT LENGTH: 9370mm



H002 Y25
CUT LENGTH: 9370mm

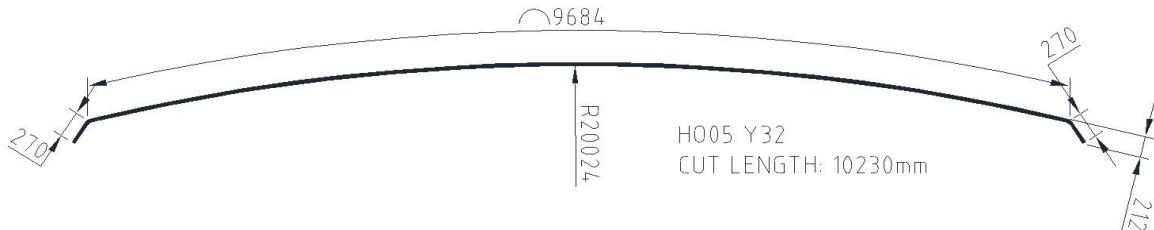
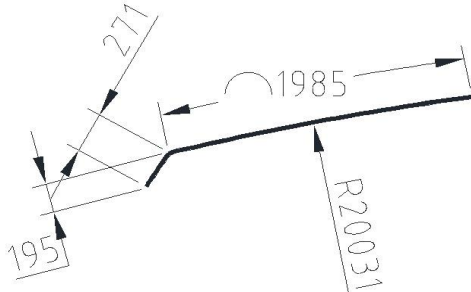
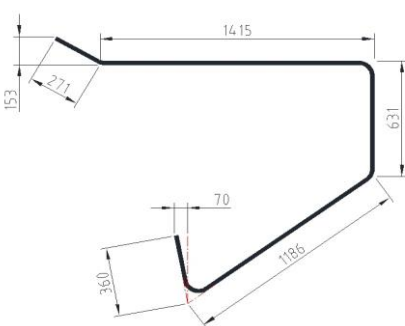
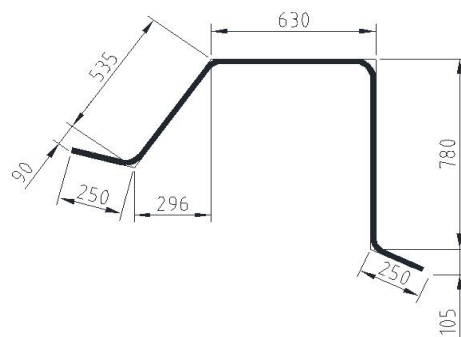





H003 Y32
CUT LENGTH: 9370mm



H004 Y25
CUT LENGTH: 10230mm

CAISSON TYPE 3 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>H005 Y32 CUT LENGTH: 10230mm</div></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><div>N01 Y20 CUT LENGTH: 3700mm</div></div>																<div><div></div><div>N08 Y20 CUT LENGTH: 2300mm</div></div>																																							
<div><div></div><div>CH11 Y32 CUT LENGTH: 9170mm</div></div>																																																							
<div><div><div><div></div><div>Engineers</div></div><div><div>ORIGINATOR: ZAA</div><div>Date: 2019.07.26</div><div>Compiled: DM</div><div>Checked: MS</div><div>Approved: J ZIETSMAN Pr Eng</div><div>Signed:</div></div></div><div><div>MILD STEEL</div><table><tr><td>R8</td><td>0</td></tr><tr><td>R10</td><td>800,6</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 = 801 kg</div></div><div><div>HIGH YIELD STEEL</div><table><tr><td>Y10</td><td>7 824</td></tr><tr><td>Y12</td><td>1 270</td></tr><tr><td>Y16</td><td>0</td></tr><tr><td>Y20</td><td>85 400</td></tr><tr><td>Y25</td><td>91 087</td></tr><tr><td>Y32</td><td>67 868</td></tr></table><div>TOTAL Y BARS = 253 450 kg</div></div></div>																R8	0	R10	800,6	R12	0	R16	0	R20	0	R32	0	Y10	7 824	Y12	1 270	Y16	0	Y20	85 400	Y25	91 087	Y32	67 868	<div><div></div><div>TRANSNET</div><div>Transnet National Ports Authority</div><div>Date:</div><div>Name:</div><div>Signed:</div></div>															
R8	0																																																						
R10	800,6																																																						
R12	0																																																						
R16	0																																																						
R20	0																																																						
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Y20	85 400																																																						
Y25	91 087																																																						
Y32	67 868																																																						
<div><div>ZAA SCHEDULE No. 1785-CO-060-C-SCH-0009-02 T0A</div><div>DCT BERTHS 203 to 206 RECONSTRUCTION DEEPENING AND LENGTHENING</div><div>ZAA REFERENCE DRAWING 1785-CO-060-C-DWG-0009-03/04</div></div>																<div><div>TNPA SCHEDULE No. 2122830-1-060-C-SC-1008-02 T0A</div><div>TITLE REINFORCEMENT SCHEDULE CAISSON TYPE 3 WALL</div><div>TNPA REFERENCE DRAWING 2122830-1-060-C-GA-1008-03/04</div></div>																																							