

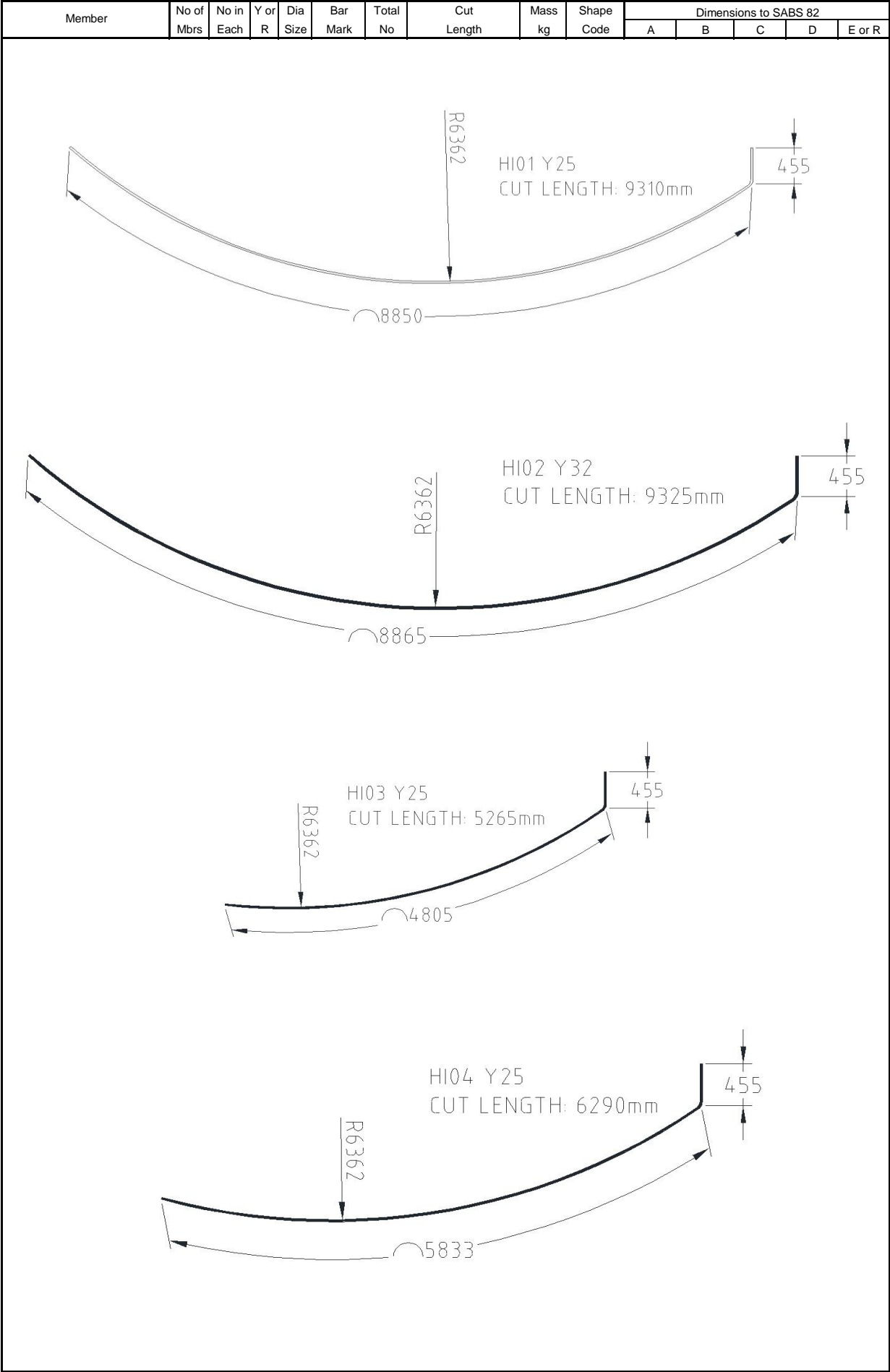
CAISSON TYPE 7 WALL

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 7 CAISSON WALLS	1	128	Y	25	H101	128	9 310,0	4592	99	SEE SKETCH				6362
	1	214	Y	32	H102	214	9 325,0	12599	99	SEE SKETCH				6362
	1	32	Y	25	H103	32	5 265,0	649	99	SEE SKETCH				6362
	1	32	Y	25	H104	32	6 290,0	776	99	SEE SKETCH				6362
	1	96	Y	32	H105	96	5 100,0	3091	65	5100				6362
	1	96	Y	32	H106	96	4 100,0	2485	65	4100				6362
	1	96	Y	20	H107	96	5 265,0	1247	99	SEE SKETCH				6362
	1	96	Y	20	H108	96	6 295,0	1490	99	SEE SKETCH				6362
	1	32	Y	25	H109	32	5 100,0	629	65	5100				
	1	32	Y	25	H110	32	4 100,0	506	65	4100				
	1	192	Y	25	H111	192	10 580,0	7828	99	SEE SKETCH				19776
	1	64	Y	20	H112	64	10 570,0	1668	99	SEE SKETCH				19776
	1	40	Y	32	H113	40	10 590,0	2674	99	SEE SKETCH				19776
	1	2	Y	32	H114A	2	1 805,0	23	99	SEE SKETCH				
	1	2	Y	32	H114B	2	1 930,0	24	99	SEE SKETCH				
	1	2	Y	32	H114C	2	2 055,0	26	99	SEE SKETCH				
	1	2	Y	32	H114D	2	2 180,0	28	99	SEE SKETCH				
	1	2	Y	32	H114E	2	2 305,0	29	99	SEE SKETCH				
	1	2	Y	32	H114F	2	2 430,0	31	99	SEE SKETCH				
	1	1	Y	32	H115A	1	1 475,0	9	99	SEE SKETCH				
	1	1	Y	32	H115B	1	1 600,0	10	99	SEE SKETCH				
	1	1	Y	32	H115C	1	1 725,0	11	99	SEE SKETCH				
	1	1	Y	32	H115D	1	1 850,0	12	99	SEE SKETCH				
	1	1	Y	32	H115E	1	1 975,0	13	99	SEE SKETCH				
	1	1	Y	32	H115F	1	2 100,0	13	99	SEE SKETCH				
	1	1	Y	32	H116A	1	1 550,0	10	65	1525				6362
	1	1	Y	32	H116B	1	1 650,0	10	65	1650				6362
	1	1	Y	32	H116C	1	1 800,0	11	65	1775				6362
	1	1	Y	32	H116D	1	1 900,0	12	65	1900				6362
	1	1	Y	32	H116E	1	2 050,0	13	65	2025				6362
	1	1	Y	32	H116F	1	2 150,0	14	65	2150				6362
	1	12678	Y	10	H01	12678	500,0	3908	85	120	280	80	80	
	1	12	Y	20	H02	12	1 800,0	53	38	800	280	800		
	1	256	Y	20	HO01	256	9 370,0	5916	99	SEE SKETCH				6622
	1	256	Y	25	HO02	256	9 370,0	9243	99	SEE SKETCH				6617
	1	86	Y	32	HO03	86	9 370,0	5087	99	SEE SKETCH				6610
	1	196	Y	25	HO04	196	10 230,0	7726	99	SEE SKETCH				20030
	1	100	Y	32	HO05	100	10 230,0	6459	99	SEE SKETCH				20024
	1	2	Y	25	HO06A	2	1 635,0	13	99	SEE SKETCH				20030
	1	2	Y	25	HO06B	2	1 760,0	14	99	SEE SKETCH				20030
	1	2	Y	25	HO06C	2	1 885,0	15	99	SEE SKETCH				20030
	1	2	Y	25	HO06D	2	2 010,0	16	99	SEE SKETCH				20030
	1	2	Y	25	HO06E	2	2 135,0	17	99	SEE SKETCH				20030
	1	2	Y	25	HO06F	2	2 260,0	17	99	SEE SKETCH				20030
	1	1	Y	32	HO07A	1	1 445,0	9	99	SEE SKETCH				
	1	1	Y	32	HO07B	1	1 570,0	10	99	SEE SKETCH				
	1	1	Y	32	HO07C	1	1 695,0	11	99	SEE SKETCH				
	1	1	Y	32	HO07D	1	1 820,0	12	99	SEE SKETCH				
	1	1	Y	32	HO07E	1	1 945,0	12	99	SEE SKETCH				
	1	1	Y	32	HO07F	1	2 070,0	13	99	SEE SKETCH				
	1	1	Y	32	HO08A	1	1 850,0	12	65	1825				6610
	1	1	Y	32	HO08B	1	1 950,0	12	65	1950				6610
	1	1	Y	32	HO08C	1	2 100,0	13	65	2075				6610
	1	1	Y	32	HO08D	1	2 000,0	13	65	2000				6610
	1	1	Y	32	HO08E	1	2 350,0	15	65	2325				6610
	1	1	Y	32	HO08F	1	2 450,0	16	65	2450				6610
	1	114	Y	20	V01	114	1 750,0	492	38	800	230	800		
	1	98	Y	20	V02	98	3 350,0	810	38	1600	220	1600		
	1	36	Y	20	V03	36	2 550,0	226	38	1200	220	1200		
	1	122	Y	20	VI01	122	6 000,0	1805	20	6000				
	1	378	Y	20	VI02	378	7 000,0	6525	20	7000				
	1	57	Y	20	VI03	57	5 800,0	815	20	5800				
	1	60	Y	20	VI04	60	4 800,0	710	20	4800				
	1	46	Y	20	VI05	46	5 100,0	579	20	5100				
	1	48	Y	20	VI06	48	4 100,0	485	20	4100				
	1	19	Y	20	VI17	19	5 050,0	237	20	5050				
	1	20	Y	20	VI18	20	4 050,0	200	20	4050				
	1	48	Y	25	VO01	48	6 000,0	1110	20	6000				
	1	52	Y	25	VO02	52	5 000,0	1002	20	5000				
	1	52	Y	25	VO03	52	4 000,0	802	20	4000				
	1	152	Y	25	VO04	152	6 000,0	3514	20	6000				
	1	152	Y	20	VO05	152	6 000,0	2249	20	6000				

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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	36	Y	20	VO06	36	1 800,0	160	20	1800				
	1	39	Y	20	VO07	39	2 800,0	269	20	2800				
	1	39	Y	20	VO08	39	3 800,0	366	20	3800				
	1	186	Y	20	VO09	186	6 000,0	2752	20	6000				
	1	140	Y	20	VO10	140	7 000,0	2417	20	7000				
	1	48	Y	20	VO11	48	5 000,0	592	20	5000				
	1	12	Y	20	VO19	12	3 050,0	90	20	3050				
	1	13	Y	20	VO20	13	4 050,0	130	20	4050				
	1	13	Y	20	VO21	13	5 050,0	162	20	5050				
	1	228	Y	20	N01	228	3 700,0	2080	99	SEE SKETCH				
	1	228	Y	12	N02	228	1 100,0	223	85	144	845	96	96	
	1	228	Y	12	N03	228	1 300,0	263	85	144	1025	96	96	
	1	301	R	10	N04	301	850,0	158	45	325	125	380	285	
	1	301	R	10	N05	301	900,0	167	49	325	380	175	285	315
	1	195	Y	20	N06	195	6 000,0	2885	20	6000				
	1	61	Y	20	N07	61	1 600,0	241	20	1600				
	1	76	Y	20	N16	76	3 330,0	624	99	SEE SKETCH				
	1	76	R	10	N17	76	1 150,0	54	45	325	527	300	278	
	1	76	R	10	N18	76	750,0	35	45	325	125	300	278	
	1	76	Y	12	N19	76	1 250,0	84	85	144	965	96	96	
	1	76	Y	12	N20	76	1 250,0	84	85	144	965	96	96	
	1	73	Y	20	N21	73	1 840,0	331	99	SEE SKETCH				
	1	28	Y	25	CV01	28	6 000,0	647	20	6000				
	1	24	Y	25	CV02	24	5 000,0	462	20	5000				
	1	52	Y	20	CV03	52	6 000,0	769	20	6000				
	1	28	Y	20	CV04	28	5 550,0	383	20	5550				
	1	24	Y	20	CV05	24	6 550,0	388	20	6550				
	1	2	Y	20	CV06A	2	8 350,0	41	60	3715	280			
	1	2	Y	20	CV06B	2	7 950,0	39	60	3525	280			
	1	2	Y	20	CV06C	2	7 550,0	37	60	3325	280			
	1	2	Y	20	CV06D	2	7 150,0	35	60	3125	280			
	1	2	Y	20	CV06E	2	6 850,0	34	60	2965	280			
	1	2	Y	20	CV06F	2	6 650,0	33	60	2865	280			
	1	2	Y	20	CV06G	2	6 450,0	32	60	2765	280			
	1	2	Y	20	CV06H	2	6 250,0	31	60	2665	280			
	1	2	Y	20	CV06I	2	6 050,0	30	60	2565	280			
	1	2	Y	20	CV06J	2	5 850,0	29	60	2465	280			
	1	22	Y	20	CV07	22	5 550,0	301	60	2320	280			
	1	91	Y	20	CV08	91	1 800,0	404	38	800	280	800		
	1	48	Y	25	CH01	48	4 650,0	860	38	3000	280	1500		
	1	48	Y	25	CH02	48	7 450,0	1378	20	7450				
	1	64	Y	25	CH03	64	4 050,0	999	38	1950	280	1950		
	1	76	Y	25	CH04	76	3 550,0	1040	38	1850	280	1550		
	1	76	Y	25	CH05	76	2 800,0	820	38	1450	280	1150		
	1	96	Y	20	CH06	96	3 600,0	852	38	1850	280	1550		
	1	96	Y	20	CH07	96	2 400,0	568	38	1250	280	950		
	1	38	Y	25	CH08	38	4 250,0	622	38	2200	280	1900		
	1	2	Y	25	CH09A	2	4 150,0	32	38	2000	280	2000		
	1	2	Y	25	CH09B	2	3 900,0	30	38	1875	280	1875		
	1	2	Y	25	CH09C	2	3 650,0	28	38	1750	280	1750		
	1	2	Y	25	CH09D	2	3 400,0	26	38	1625	280	1625		
	1	2	Y	25	CH09E	2	3 150,0	24	38	1500	280	1500		
	1	2	Y	25	CH09F	2	2 900,0	22	38	1375	280	1375		
	1	12	Y	25	CH10	12	2 650,0	123	38	1250	280	1250		
	1	36	Y	32	CH11	36	9 170,0	2084	99	SEE SKETCH				
	1	2	Y	25	CH12A	2	9 100,0	70	38	200	8850	200		
	1	2	Y	25	CH12B	2	9 000,0	69	38	200	8750	200		
	1	2	Y	25	CH12C	2	8 900,0	69	38	200	8650	200		
	1	2	Y	25	CH12D	2	8 800,0	68	38	200	8550	200		
	1	2	Y	25	CH12E	2	8 750,0	67	38	200	8450	200		
	1	152	Y	20	CH13	152	2 100,0	787	20	2100				
	1	16	Y	32	CH14	16	4 000,0	404	20	4000				
	1	138	Y	10	H01	138	500,0	43	85	120	280	80	80	

CAISSON TYPE 7 WALL



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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

HI07 Y20
CUT LENGTH: 5265mm

HI08 Y20
CUT LENGTH: 6295mm

HI11 Y25
CUT LENGTH: 10580mm

HI12 Y20
CUT LENGTH: 10570mm

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

HI15A-F Y32

A - ARC LENGTH = 1255mm	CUT LENGTH = 1475mm
B - ARC LENGTH = 1380mm	CUT LENGTH = 1600mm
C - ARC LENGTH = 1505mm	CUT LENGTH = 1725mm
D - ARC LENGTH = 1630mm	CUT LENGTH = 1850mm
E - ARC LENGTH = 1755mm	CUT LENGTH = 1975mm
F - ARC LENGTH = 1880mm	CUT LENGTH = 2100mm

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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

H001 Y20
CUT LENGTH: 9370mm
R6622
9123

H002 Y25
CUT LENGTH: 9370mm
R6617
9116

H003 Y32
CUT LENGTH: 9370mm
R6610
9114
9696

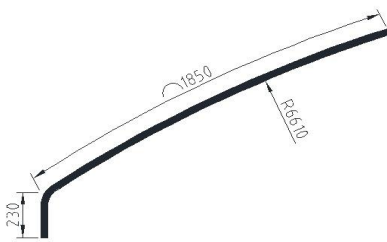
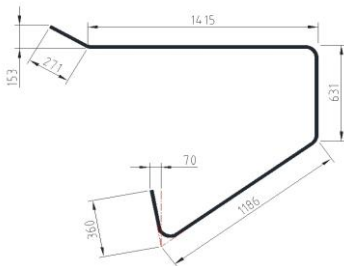
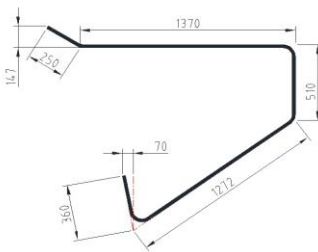
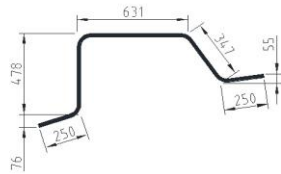
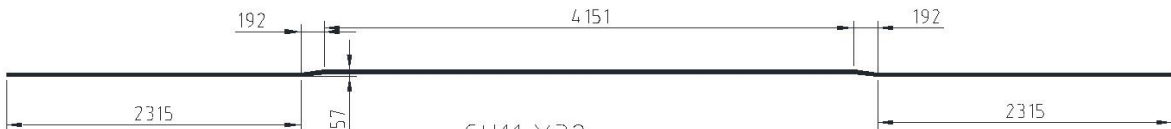


H004 Y25
CUT LENGTH: 10230mm
R20031
9684

H005 Y32
CUT LENGTH: 10230mm
R20024

H006A-F Y25
R20031
1985

Member	ARC LENGTH	CUT LENGTH
A	1360mm	1635mm
B	1485mm	1760mm
C	1610mm	1885mm
D	1735mm	2010mm
E	1860mm	2135mm
F	1985mm	2260mm

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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																								
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<div><div></div><div><div>HI15A-F Y32</div><div>A - ARC LENGTH = 1255mm CUT LENGTH = 1475mm B - ARC LENGTH = 1380mm CUT LENGTH = 1600mm C - ARC LENGTH = 1505mm CUT LENGTH = 1725mm D - ARC LENGTH = 1630mm CUT LENGTH = 1850mm E - ARC LENGTH = 1755mm CUT LENGTH = 1975mm F - ARC LENGTH = 1880mm CUT LENGTH = 2100mm</div></div></div>																																		
<div><div><div>N01 Y20 CUT LENGTH: 3700mm</div><div></div></div><div><div>N16 Y20 CUT LENGTH: 3330mm</div><div></div></div></div>																																		
<div><div><div>N21 Y20 CUT LENGTH: 1840mm</div><div></div></div></div>																																		
<div><div></div><div><div>CH11 Y32 CUT LENGTH: 9170mm</div></div></div>																																		
<div><div><div><div>Engineers</div><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>413,7</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><div>TOTAL R BARS = 414 kg</div></div><div><div>HIGH YIELD STEEL</div><table><tr><td>Y10</td><td>3 951</td></tr><tr><td>Y12</td><td>654</td></tr><tr><td>Y16</td><td>0</td></tr><tr><td>Y20</td><td>43 401</td></tr><tr><td>Y25</td><td>45 923</td></tr><tr><td>Y32</td><td>35 328</td></tr></table><div>TOTAL Y BARS = 129 258 kg</div></div></div><div><div></div><div><div>Transnet National Ports Authority</div><div>Date:</div><div>Name:</div><div>Signed:</div></div></div></div>											R8	0	R10	413,7	R12	0	R16	0	R20	0	R32	0	Y10	3 951	Y12	654	Y16	0	Y20	43 401	Y25	45 923	Y32	35 328
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<div><div>ZAA SCHEDULE No. 1785-CO-060-C-SCH-0017-02 T0A</div><div>DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING</div><div>ZAA REFERENCE DRAWING 1785-CO-060-C-DWG-0017-03/04/05</div></div> <div><div>TITLE</div><div>REINFORCEMENT SCHEDULE CAISSON TYPE 7 WALL</div><div></div></div> <div><div>TNPA SCHEDULE No. 2122830-1-060-C-SC-1016-02 T0A</div><div></div><div>TNPA REFERENCE DRAWING 2122830-1-060-C-GA-1016-03/04/05</div></div>																																		