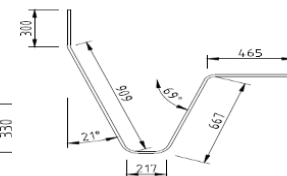
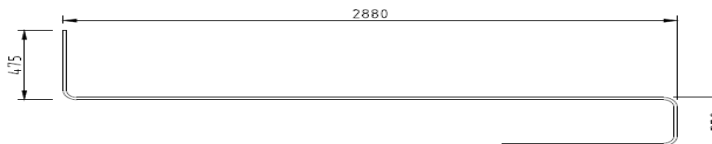




PRECAST COPE PLANKS TYPE 3

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
COPE PLANK TYPE 3	1	2	R	40	P301	2	1 900,0	38	53	460	520	260	520	460
	1	27	R	12	P302	27	1 350,0	32	45	745	110	500	735	
	1	27	R	12	P303	27	1 650,0	40	53	120	605	250	605	120
	1	27	R	12	P304	27	1 850,0	44	53	120	715	250	715	120
	1	27	Y	16	P305	27	400,0	17	62	1915	1890	430		
	1	27	Y	16	P306	27	1 950,0	83	72	1995	590			
	1	27	Y	16	P307	27	5 100,0	217	72	2010	590			
	1	24	Y	16	P308a	24	4 400,0	167	99	SEE SKETCH				
	1	1	Y	16	P308b	1	3 200,0	5	99	SEE SKETCH				
	1	1	Y	16	P308c	1	2 300,0	4	99	SEE SKETCH				
	1	27	Y	16	P309	27	2 500,0	107	99	SEE SKETCH				
	1	23	Y	16	P310	23	4 850,0	176	37	1980	2865			
	1	1	Y	16	P310	1	4 150,0	7	37	1980	2200			
	1	1	Y	16	P310	1	3 650,0	6	37	1980	1700			
	1	1	Y	16	P310	1	3 150,0	5	37	1980	1200			
	1	1	Y	16	P310	1	2 650,0	4	37	1980	700			
	1	1	Y	25	P311	1	8 000,0	31	20	8000				
	1	23	Y	12	P312	23	8 000,0	163	20	8000				
	1	41	Y	12	P313	41	8 000,0	291	20	8000				
	1	8	Y	20	P314	8	650,0	13	20	650				
	1	4	Y	16	P315	4	2 200,0	14	74	540	270			
	1	48	Y	16	P316	48	1 600,0	121	20	1600				
FENDERBOX	1	5	Y	10	P317	5	1 950,0	6	60	535	290			
	1	5	Y	10	P319	5	1 700,0	5	60	425	290			
	1	3	Y	10	P321	3	1 500,0	3	60	310	290			
	1	2	Y	10	P322	2	550,0	1	85	120	310	80	80	
	1	1	Y	12	P323	1	7 250,0	6	60	600	2880			
	1	1	Y	12	P324	1	7 150,0	6	60	550	2880			
	1	1	Y	12	P325	1	7 000,0	6	60	480	2880			
	1	1	Y	12	P326	1	6 900,0	6	60	430	2880			
	1	1	Y	12	P327	1	6 250,0	6	60	375	2610			
	1	1	Y	12	P328	1	5 550,0	5	60	320	2310			
	1	13	Y	16	P329	13	1 950,0	40	41	225	1415	275	1330	
	1	2	Y	16	P330	2	1 950,0	6	41	225	1415	275	1255	
	1	2	Y	16	P331	2	1 800,0	6	41	310	1175	275	1105	
	1	2	Y	16	P332	2	1 700,0	5	41	365	1015	275	955	
	1	13	Y	16	P333	13	2 000,0	41	37	240	1800			
	1	2	Y	16	P334	2	1 950,0	6	37	240	1725			
	1	2	Y	16	P335	2	1 800,0	6	37	240	1575			
	1	2	Y	16	P336	2	1 650,0	5	37	240	1425			
	1	2	Y	12	P340	2	2 000,0	4	20	2000				
CLOSING CAGE BARS	1	2	Y	12	P350a	2	1 200,0	2	38	550	125	550		
	1	2	Y	12	P350b	2	1 200,0	2	38	550	150	550		
	1	2	Y	12	P350c	2	1 250,0	2	38	550	175	550		
	1	2	Y	12	P350d	2	1 250,0	2	38	550	200	550		
	1	2	Y	12	P350e	2	1 300,0	2	38	550	225	550		
	1	2	Y	12	P350f	2	1 300,0	2	38	550	250	550		
	1	2	Y	12	P350g	2	1 350,0	2	38	550	275	550		
	1	36	Y	12	P351a	36	1 350,0	43	38	550	298	550		
	1	4	Y	12	P351b	4	1 650,0	6	38	550	565	550		

P308a = 2880
P308b = 1780
P308c = 765



P309

Engineers		MILD STEEL	<table><tr><td>R8</td><td>0</td></tr><tr><td>R10</td><td>0</td></tr><tr><td>R12</td><td>116,3</td></tr><tr><td>R16</td><td>0</td></tr><tr><td>R20</td><td>0</td></tr><tr><td>R40</td><td>37,5</td></tr></table>	R8	0	R10	0	R12	116,3	R16	0	R20	0	R40	37,5	HIGH YIELD STEEL	<table><tr><td>Y10</td><td>15</td></tr><tr><td>Y12</td><td>558</td></tr><tr><td>Y16</td><td>1 048</td></tr><tr><td>Y20</td><td>13</td></tr><tr><td>Y25</td><td>31</td></tr><tr><td>Y32</td><td>0</td></tr></table>	Y10	15	Y12	558	Y16	1 048	Y20	13	Y25	31	Y32	0	 Transnet National Ports Authority
R8	0																													
R10	0																													
R12	116,3																													
R16	0																													
R20	0																													
R40	37,5																													
Y10	15																													
Y12	558																													
Y16	1 048																													
Y20	13																													
Y25	31																													
Y32	0																													
ORIGINATOR: ZAA						Date:																								
Date: 2019.07.26						Name:																								
Compiled: DC						Signed:																								
Checked: MC																														
Approved: J ZIETSMAN Pr Eng	TOTAL R BARS = 154 kg			TOTAL Y BARS = 1 664 kg																										
Signed:																														
ZAA SCHEDULE No. 1785-CO-090-C-SCH-0002-04 T0A	DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING					TNPA SCHEDULE No. 2122830-1-090-C-SC-1001-04 T0A																								
ZAA REFERENCE DRAWING 1785-CO-090-C-DWG-0002-05	TITLE REINFORCEMENT SCHEDULE PRECAST COPE PLANKS TYPE 3					TNPA REFERENCE DRAWING 2122830-1-090-C-GA-1001-05																								