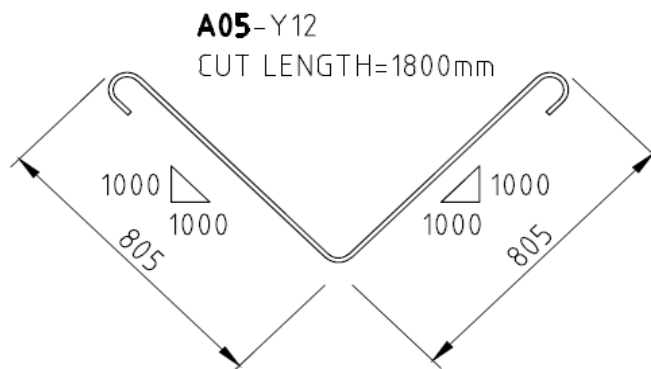


TYPE 2 TUNNEL CONNECTION

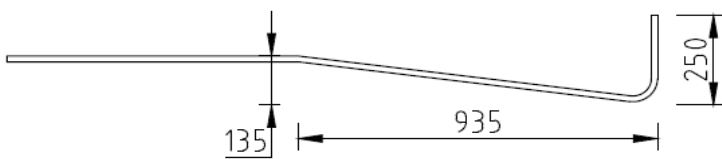
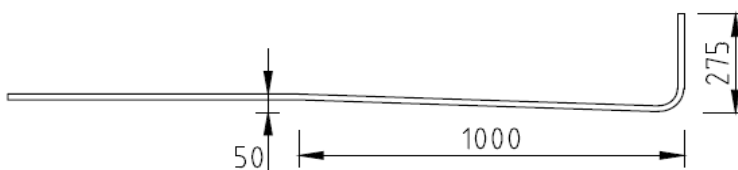
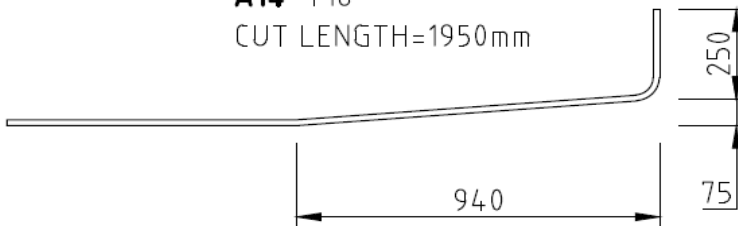


Member	No of	No in	Y or	Dia	Bar	Total	Cut	Mass	Shape	Dimensions to SABS 82				
	Mbrs	Each	R	Size	Mark	No	Length	kg	Code	A	B	C	D	E or R
ROOF SLAB REINFORCING	3	14	Y	16	A01A	42	4 300,0	285	38	3300	305	750		
	3	2	Y	20	A01B	6	4 500,0	67	38	3500	305	750		
	3	2	Y	20	A01C	6	4 800,0	71	38	3800	305	750		
	3	2	Y	20	A01D	6	5 100,0	76	38	4100	305	750		
	3	2	Y	20	A01E	6	5 400,0	80	38	4400	305	750		
	3	2	Y	20	A01F	6	5 700,0	84	38	4700	305	750		
	3	2	Y	20	A01G	6	6 000,0	89	38	5000	305	750		
	3	2	Y	20	A01H	6	6 300,0	93	38	5300	305	750		
	3	2	Y	20	A01J	6	6 600,0	98	38	5600	305	750		
	3	2	Y	20	A01K	6	6 900,0	102	38	5900	305	750		
	3	2	Y	20	A01L	6	7 200,0	107	38	6200	305	750		
	3	2	Y	20	A01M	6	7 500,0	111	38	6500	305	750		
	3	24	Y	20	A01N	72	9 750,0	1731	38	8770	305	750		
	3	170	Y	16	A02A	510	3 400,0	2737	38	1600	280	1600		
	3	48	Y	16	A02B	144	3 550,0	807	38	1600	395	1600		
	3	14	Y	12	A03A	42	1 650,0	62	49	280	280	1060	205	205
	3	24	Y	12	A03B	72	1 700,0	109	49	280	280	1105	230	160
	3	28	Y	16	A04	84	1 750,0	232	37	1600	175			
	3	7	Y	12	A05	21	1 800,0	34	99	SEE SKETCH				
	3	24	Y	16	A06	72	2 200,0	250	38	250	1780	250		
	3	46	Y	20	A07A	138	5 400,0	1838	38	4435	270	750		
	3	4	Y	20	A07B	12	4 400,0	130	38	3450	270	750		
	3	4	Y	20	A07C	12	4 250,0	126	38	3300	270	750		
	3	4	Y	20	A07D	12	4 100,0	121	38	3150	270	750		
	3	4	Y	20	A07E	12	3 950,0	117	38	3000	270	750		
	3	4	Y	20	A07F	12	3 800,0	113	38	2850	270	750		
	3	4	Y	20	A07G	12	3 650,0	108	38	2700	270	750		
	3	4	Y	20	A07H	12	3 500,0	104	38	2550	270	750		
	3	4	Y	20	A07J	12	3 350,0	99	38	2400	270	750		
	3	4	Y	20	A07K	12	3 200,0	95	38	2250	270	750		
	3	4	Y	20	A07L	12	3 050,0	90	38	2100	270	750		
	3	4	Y	20	A07M	12	2 900,0	86	38	1950	270	750		
	3	4	Y	20	A07N	12	2 750,0	81	38	1800	270	750		
FLOOR SLAB REINFORCING	3	14	Y	16	A08	42	4 200,0	278	38	3300	230	750		
	3	12	Y	16	A09A	36	6 700,0	381	20	6700				
	3	1	Y	16	A09B	3	6 300,0	30	20	6340				
	3	1	Y	16	A09C	3	6 000,0	28	20	6040				
	3	1	Y	16	A09D	3	5 700,0	27	20	5740				
	3	1	Y	16	A09E	3	5 400,0	26	20	5440				
	3	1	Y	16	A09F	3	5 100,0	24	20	5140				
	3	1	Y	16	A09G	3	4 800,0	23	20	4840				
	3	1	Y	16	A09H	3	4 500,0	21	20	4540				
	3	1	Y	16	A09J	3	4 200,0	20	20	4240				
	3	1	Y	16	A09K	3	3 900,0	19	20	3940				
	3	1	Y	16	A09L	3	3 600,0	17	20	3640				
	3	1	Y	16	A09M	3	3 300,0	16	20	3340				
	3	12	Y	16	A10A	36	7 000,0	398	55	750	230	5200	230	750
	3	1	Y	16	A10B	3	6 900,0	33	55	750	230	5060	230	750
	3	1	Y	16	A10C	3	6 750,0	32	55	750	230	4910	230	750
	3	1	Y	16	A10D	3	6 600,0	31	55	750	230	4760	230	750
	3	1	Y	16	A10E	3	6 450,0	31	55	750	230	4610	230	750
	3	1	Y	16	A10F	3	6 300,0	30	55	750	230	4460	230	750
	3	1	Y	16	A10G	3	6 150,0	29	55	750	230	4310	230	750
	3	1	Y	16	A10H	3	6 000,0	28	55	750	230	4160	230	750
	3	1	Y	16	A10J	3	5 850,0	28	55	750	230	4010	230	750
	3	1	Y	16	A10K	3	5 700,0	27	55	750	230	3860	230	750
	3	1	Y	16	A10L	3	5 550,0	26	55	750	230	3710	230	750
	3	1	Y	16	A10M	3	5 400,0	26	55	750	230	3560	230	750
	3	12	Y	16	A11A	36	3 950,0	224	55	750	325	1960	325	750
	3	1	Y	16	A11B	3	3 850,0	18	55	750	325	1820	325	750
	3	1	Y	16	A11C	3	3 700,0	18	55	750	325	1670	325	750
	3	1	Y	16	A11D	3	3 550,0	17	55	750	325	1520	325	750
	3	1	Y	16	A11E	3	3 400,0	16	55	750	325	1370	325	750
	3	1	Y	16	A11F	3	3 250,0	15	55	750	325	1220	325	750
	3	1	Y	16	A11G	3	3 100,0	15	55	750	325	1070	325	750
	3	1	Y	16	A11H	3	2 950,0	14	55	750	325	920	325	750
	3	1	Y	16	A11J	3	2 800,0	13	55	750	325	770	325	750

TYPE 2 TUNNEL CONNECTION

Member	No of	No in	Y or	Dia	Bar	Total	Cut	Mass	Shape	Dimensions to SABS 82				
	Mbrs	Each	R	Size	Mark	No	Length	kg	Code	A	B	C	D	E or R
	3	1	Y	16	A11K	3	2 650,0	13	55	750	325	620	325	750
	3	1	Y	16	A11L	3	2 500,0	12	55	750	325	470	325	750
	3	1	Y	16	A11M	3	2 350,0	11	55	750	325	320	325	750
	3	12	Y	16	A12	36	1 950,0	111	99	SEE SKETCH				
	3	12	Y	16	A13	36	2 000,0	114	99	SEE SKETCH				
	3	24	Y	16	A14	72	1 950,0	222	99	SEE SKETCH				
	3	24	Y	16	A15	72	2 100,0	239	38	200	1780	200		
	3	46	Y	16	A16A	138	5 300,0	1154	38	4435	195	750		
	3	2	Y	16	A16B	6	4 350,0	41	38	3450	195	750		
	3	2	Y	16	A16C	6	4 200,0	40	38	3300	195	750		
	3	2	Y	16	A16D	6	4 050,0	38	38	3150	195	750		
	3	2	Y	16	A16E	6	3 900,0	37	38	3000	195	750		
	3	2	Y	16	A16F	6	3 750,0	36	38	2850	195	750		
	3	2	Y	16	A16G	6	3 600,0	34	38	2700	195	750		
	3	2	Y	16	A16H	6	3 450,0	33	38	2550	195	750		
	3	2	Y	16	A16J	6	3 300,0	31	38	2400	195	750		
	3	2	Y	16	A16K	6	3 150,0	30	38	2250	195	750		
	3	2	Y	16	A16L	6	3 000,0	28	38	2100	195	750		
	3	2	Y	16	A16M	6	2 850,0	27	38	1950	195	750		
	3	2	Y	16	A16N	6	2 700,0	26	38	1800	195	750		
	3	2	Y	16	A17A	6	4 450,0	42	38	3450	290	750		
	3	2	Y	16	A17B	6	4 300,0	41	38	3300	290	750		
	3	2	Y	16	A17C	6	4 150,0	39	38	3150	290	750		
	3	2	Y	16	A17D	6	4 000,0	38	38	3000	290	750		
	3	2	Y	16	A17E	6	3 850,0	37	38	2850	290	750		
	3	2	Y	16	A17F	6	3 700,0	35	38	2700	290	750		
	3	2	Y	16	A17G	6	3 550,0	34	38	2550	290	750		
	3	2	Y	16	A17H	6	3 400,0	32	38	2400	290	750		
	3	2	Y	16	A17J	6	3 250,0	31	38	2250	290	750		
	3	2	Y	16	A17K	6	3 550,0	34	38	2100	290	750		
	3	2	Y	16	A17L	6	2 950,0	28	38	1950	290	750		
	3	2	Y	16	A17M	6	2 800,0	27	38	1800	290	750		
WALLS	3	68	Y	12	A18	204	1 500,0	272	38	650	245	650		
	3	23	Y	12	A19	69	4 700,0	288	49	980	980	2715	695	695
	3	23	Y	12	A20	69	4 300,0	263	49	885	885	2525	625	625
	3	22	Y	12	A21	66	550,0	32	38	250	95	250		
	3	22	Y	12	A22	66	850,0	50	20	880				
	3	1	Y	12	A23	3	1 350,0	4	38	250	880	250		
	3	22	Y	13	A24	66	8 750,0	602	20	8770				
CLIPS	3	8	R	8	A25	24	300,0	3	85	75	130	48	50	
	3	69	R	10	A26	207	450,0	57	85	100	280	60	60	
	3	24	R	10	A27	72	600,0	27	85	100	395	60	60	
	3	92	Y	12	A28	276	1 500,0	368	62	750	530	750		



TYPE 2 TUNNEL CONNECTION

Member	No of	No in	Y or	Dia	Bar	Total	Cut	Mass	Shape	Dimensions to SABS 82																												
	Mbrs	Each	R	Size	Mark	No	Length	kg	Code	A	B	C	D	E or R																								
<div><div><div>A12-Y16</div><div>CUT LENGTH=1950mm</div><div></div></div><div><div>A13-Y16</div><div>CUT LENGTH=2000mm</div><div></div></div><div><div>A14-Y16</div><div>CUT LENGTH=1950mm</div><div></div></div></div>																																						
<div><div><div>Engineers</div><div></div><div>ORIGINATOR: ZAA</div><div>Date: 2019.07.26</div><div>Compiled: DC</div><div>Checked: MC</div><div>Approved: J ZIETSMAN Pr Eng</div><div>Signed:</div></div><div><div>MILD STEEL</div><table><tr><td>R8</td><td>2,8</td></tr><tr><td>R10</td><td>84</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 = 87 kg</div><div>HIGH YIELD STEEL</div><table><tr><td>Y10</td><td>0</td></tr><tr><td>Y12</td><td>1 480</td></tr><tr><td>Y16</td><td>8 979</td></tr><tr><td>Y20</td><td>5 815</td></tr><tr><td>Y25</td><td>0</td></tr><tr><td>Y32</td><td>0</td></tr></table><div>TOTAL Y BARS = 16 275 kg</div></div><div><div><div>TRANSNET</div><div></div><div>Transnet National Ports Authority</div><div>Date:</div><div>Name:</div><div>Signed:</div></div><div><div>ZAA SCHEDULE No.</div><div>1785-CO-090-C-SCH-0019-01 T0A</div></div><div><div>DCT BERTHS 203 to 205 RECONSTRUCTION DEEPENING AND LENGTHENING</div></div><div><div>TNPA SCHEDULE No.</div><div>2122830-1-090-C-SC-1018-01 T0A</div></div><div><div>ZAA REFERENCE DRAWING</div><div>1785-CO-090-C-DWG-0019-01/02</div></div><div><div>TITLE</div><div>REINFORCEMENT SCHEDULE TYPE 2 TUNNEL CONNECTION</div></div><div><div>TNPA REFERENCE DRAWING</div><div>2122830-1-090-C-GA-1018-01/02</div></div></div></div>															R8	2,8	R10	84	R12	0	R16	0	R20	0	R32	0	Y10	0	Y12	1 480	Y16	8 979	Y20	5 815	Y25	0	Y32	0
R8	2,8																																					
R10	84																																					
R12	0																																					
R16	0																																					
R20	0																																					
R32	0																																					
Y10	0																																					
Y12	1 480																																					
Y16	8 979																																					
Y20	5 815																																					
Y25	0																																					
Y32	0																																					