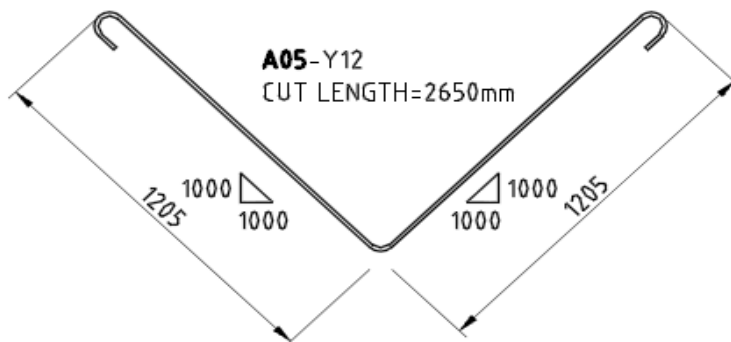
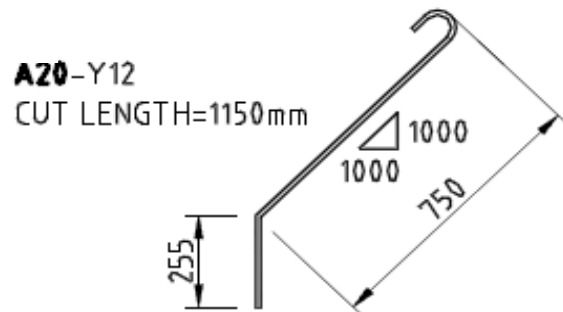
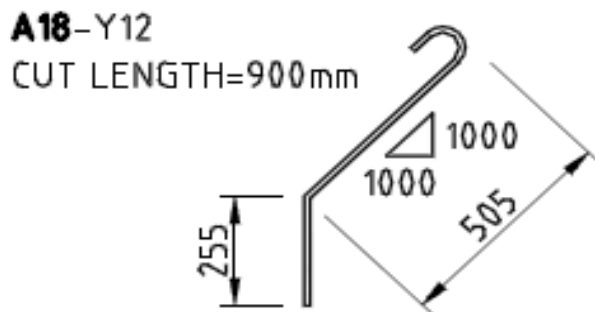
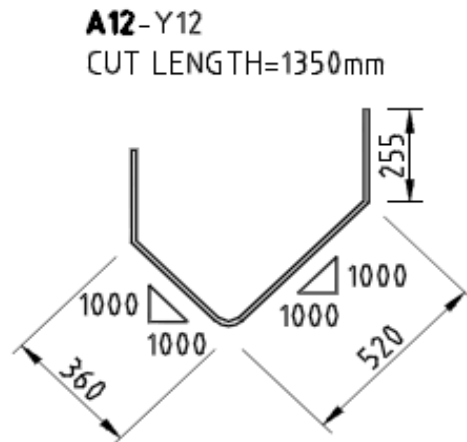
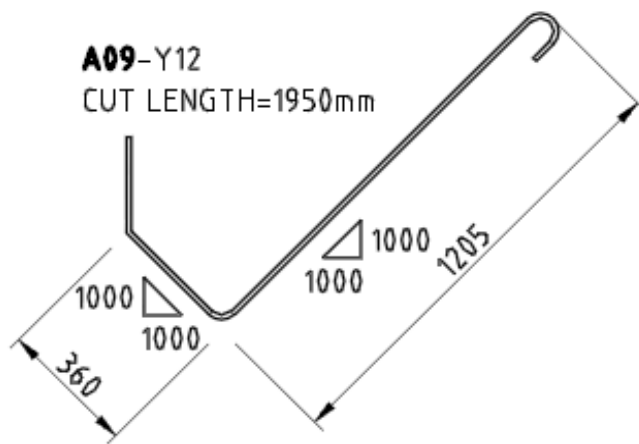


TYPE A3 SERVICE TUNNEL

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	66	Y	16	A01	132	4 100,0	854	38	700	595	2885		
	2	268	Y	16	A02	536	4 300,0	3638	38	2050	280	2050		
	2	87	Y	12	A03	174	2 050,0	317	49	280	280	1470	205	205
	2	268	Y	16	A04	536	2 050,0	1734	37	1900	175			
	2	33	Y	12	A05	66	2 650,0	155	99	SEE SKETCH				
	2	26	Y	12	A06	52	2 050,0	95	60	475	420			
	2	26	Y	12	A07	52	1 150,0	53	41	250	650	250	470	
	2	14	Y	12	A08	28	5 350,0	133	75	680	420	1620	595	1420
	2	14	Y	12	A09	28	1 950,0	49	99	SEE SKETCH				
	2	13	Y	12	A10	26	2 900,0	67	75	500	420	610	485	410
	2	13	Y	12	A11	26	2 000,0	46	60	595	260			
	2	13	Y	12	A12	26	1 350,0	31	99	SEE SKETCH				
	2	13	Y	12	A13	26	2 400,0	55	60	485	585			
	2	13	Y	12	A14	26	2 350,0	54	60	595	435			
	2	13	Y	12	A15	26	1 350,0	31	41	250	815	250	590	
	2	7	Y	12	A16	14	3 750,0	47	75	680	420	825	595	625
	2	7	Y	12	A17	14	1 400,0	17	41	250	860	250	620	
	2	7	Y	12	A18	14	4 950,0	62	75	680	420	1425	595	1225
	2	7	Y	12	A19	14	900,0	11	99	SEE SKETCH				
	2	7	Y	12	A20	14	1 150,0	14	99	SEE SKETCH				
	2	2	Y	12	A21	4	2 850,0	10	60	420	870			
	2	2	Y	12	A22	4	2 550,0	9	60	420	720			
	2	2	Y	12	A23	4	2 100,0	8	60	485	420			
	2	67	Y	16	A24	134	2 950,0	624	20	2950				
	2	67	Y	16	A25	134	3 200,0	677	36	65	130	2970	130	65
	2	88	Y	16	B01	176	2 100,0	583	38	800	560	800		
	2	124	Y	16	B02	248	9 650,0	3777	20	9670				
	2	11	Y	16	B03	22	5 650,0	196	20	5680				
	2	11	Y	16	B04	22	1 800,0	63	20	1815				
	2	4	Y	16	B05	8	7 600,0	96	20	7600				
	2	6	Y	16	B06	12	2 350,0	45	55	200	560	950	560	200
	2	4	Y	16	B07	8	4 150,0	52	55	200	560	2745	560	200
	2	10	Y	16	B08	20	3 350,0	106	38	200	560	2665		
	2	6	Y	16	B09	12	4 650,0	88	20	4650				
	2	2	Y	12	B10	4	3 300,0	12	55	200	480	2020	480	200
	2	4	Y	12	B11	8	2 250,0	16	55	200	415	1120	415	200
	2	4	Y	12	B12	8	5 200,0	37	55	200	415	4070	415	200
	2	30	Y	12	B13	60	1 700,0	91	38	680	395	680		
	2	8	Y	12	B14	16	1 800,0	26	38	680	460	680		
	2	44	Y	16	B15	88	1 050,0	146	37	275	800			
	2	36	Y	16	B16	72	1 150,0	131	37	350	800			
	2	50	Y	12	B17	100	1 500,0	133	38	650	245	650		
	2	26	Y	12	B18	52	9 650,0	446	20	9670				
	2	26	Y	10	B19	52	1 050,0	34	38	500	75	500		
	2	54	R	8	C01	108	250,0	11	85	75	110	48	50	
	2	108	R	10	C02	216	450,0	60	85	100	280	60	60	
	2	24	Y	16	D01	48	1 250,0	95	20	1280				





Engineers



ORIGINATOR: ZAA

Date: 2019.07.26

Compiled: DC

Checked: MC

Approved: J ZIETSMAN Pr Eng

Signed:

MILD
STEEL

R8	10,7
R10	59,9
R12	0
R16	0
R20	0
R32	0

TOTAL R BARS = 71 kg

HIGH
YIELD
STEEL

Y10	34
Y12	2 024
Y16	12 904
Y20	0
Y25	0
Y32	0

TOTAL Y BARS = 14 961 kg

TRANSNET



Transnet National Ports Authority

Date:

Name:

Signed:

ZAA SCHEDULE No.

1785-CO-090-C-SCH-0015-03 T0A

DCT BERTHS 203 to 205 RECONSTRUCTION
DEEPENING AND LENGTHENING

TNPA SCHEDULE No.

2122830-1-090-C-SC-1014-03 T0A

ZAA REFERENCE DRAWING

1785-CO-090-C-DWG-0015-03

TITLE

REINFORCEMENT SCHEDULE
TYPE A3 SERVICE TUNNEL

TNPA REFERENCE DRAWING

2122830-1-090-C-GA-1014-03