

TYPICAL PARTIAL SECTION THROUGH TANK WALL & SHAFTS

Reinforcing bending dimensions for shape codes (SANS 282)													
Type	Mark	No.	Length	Shape	A	B	C	D	E	r	Mass each	All	
Y12	W43	48	1420	20	1420						1.3	60.5	
Y12	W46	872	7740	20	7749						6.9	5993.3	
Y12	W48	96	9690	20	9697						8.6	826.1	
Y16	W40	182	7550	20	7550						11.9	2169.6	
Y16	W41	115	8560	20	8561						13.5	1554.3	
Y12	W55	6	1160	33	842						1.0	6.2	
Y10	W54	66	340	35	150						0.2	13.8	
Y10	W52	288	390	35	200						0.2	69.1	
Y12	W45	8	2730	35	180						2.4	19.4	
Y16	W15	1	2260	35	2030						3.6	3.6	
Y16	W16	1	3050	35	2819						4.8	4.8	
Y16	W13	1	3610	35	3374						5.7	5.7	
Y16	W14	1	4040	35	3811						6.4	6.4	
Y16	W12	1	4400	35	4162						6.9	6.9	
Y16	W11	1	4690	35	4453						7.4	7.4	
Y16	W10	1	4920	35	4690						7.8	7.8	
Y16	W9	2	5120	35	4881						8.1	16.2	
Y16	W8	2	5270	35	5035						8.3	16.6	
Y16	W7	2	5390	35	5154						8.5	17.0	
Y16	W6	2	5470	35	5239						8.6	17.3	
Y16	W5	2	5530	35	5300						8.7	17.5	
Y16	W4	2	5550	35	5320						8.8	17.5	
Y12	W51	14	1370	83	357	215	364				1.2	17.0	
Y12	W44	60	780	48	104	587	413				0.7	41.6	
Y16	W3	120	1130	54	163	910					1.8	214.1	
Y16	W20	2	1160	54	163	923					1.8	3.7	
Y16	W19	2	1190	54	163	960					1.9	3.8	
Y16	W18	2	1230	54	163	994					1.9	3.9	
Y16	W17	2	1250	54	163	1013					2.0	3.9	
Y16	W37	2	1510	54	163	1271					2.4	4.8	
Y16	W36	2	1810	54	163	1575					2.9	5.7	
Y16	W35	2	2040	54	163	1809					3.2	6.4	
Y16	W34	2	2230	54	163	1996					3.5	7.0	
Y16	W33	2	2260	54	163	2021					3.6	7.1	
Y16	W21	4	2350	54	163	2116					3.7	14.8	
Y16	W30	4	2460	54	163	2223					3.9	15.5	
Y16	W32	2	2560	54	163	2325					4.0	8.1	
Y16	W29	4	2570	54	163	2334					4.1	16.2	
Y16	W28	4	2660	54	163	2424					4.2	16.8	
Y16	W27	4	2730	54	163	2496					4.3	17.2	
Y16	W26	4	2780	54	163	2551					4.4	17.6	
Y16	W31	2	2790	54	163	2559					4.4	8.8	
Y16	W25	4	2820	54	163	2589					4.5	17.8	
Y16	W23	2	2850	54	163	2620					4.5	9.0	
Y16	W24	4	2850	54	163	2611					4.5	18.0	
Y16	W22	2	2980	54	163	2746					4.7	9.4	
Y12	W42	20	1980	62	1007	999					1.8	35.2	
Y12	W49	132	3840	65	1043						3.4	450.1	
Y12	W50	132	4390	65	1193						3.9	514.5	
Y12	W2	218	8240	65	2395						7.3	1595.1	
Y12	W1	218	9020	65	2641						8.0	1746.2	
Y16	W39	241	11660	65	10605						18.4	4437.1	
Y16	W38	240	11860	65	10677						18.7	4494.5	

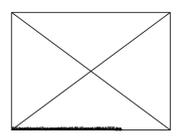
Total of 3371 bars with a mass of 24693.6 kg per cast unit.

CONSULTING ENGINEERS
 TRIM CONSULTING ENGINEERS
 LEGNUM PARK BUILDING
 WATER MELON STREET
 POLOKWANE

DESIGNED: K.K. 10-06-2017
 DRAWN: J.P. 10-06-2017
 CHECKED: K.K. 10-06-2017

APPROVED BY: [Signature] DATE: [Date]
 ECSA REG. No. [Number]

CHECKED: [Signature] DATE: [Date]
 SIGNATURE: [Signature] DATE: [Date]



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FOREST HILL WATER SUPPLY
 NEW WATER TOWER & PUMP STATION

TANK WALL & SHAFTS
 REINFORCING LAYOUT

SURVEY INFORMATION
 PROJECT SURVEYOR: [Name]
 DATE: [Date]

APPROVAL BY JW DEPOT
 CHECKED: [Signature]
 APPROVED BY: [Signature] DATE: [Date]

SCALE: 1:50; 1:25
 REV: [Number]

AMENDMENTS
 DESCRIPTION: [Text]
 DATE: [Date]

CCTV INFORMATION
 CCTV COMPANY: [Name]
 DATE: [Date]

APPROVAL BY JW PLANNING
 CHECKED: [Signature]
 APPROVED BY: [Signature] DATE: [Date]

JW14402 R02 - 0

CONTRACT No. [Number] DRAWING No. [Number] REV. [Number]

A1 SHEET 2 OF 5

ORIGINAL PAGE SIZE [Dimensions]
 FILE No. [Number]