

BRIDGE 1 : BENDING SCHEDULE

Member	Reinforcement						Bending Dimensions for Shape Codes (SANS 282:2011)					
	Bar Mark	Type & Dia	No. Off Mbrs	No. In Each	Total No. Off	Cut Length	Shape Code	A	B	C	D	E/r
ABUTMENT A SEE SHEET 4201	A01	Y25	1	28	28	4 500	38	500	600			
	A02	Y20	1	28	28	4 000	38	500	600			
	A03	Y20	1	28	28	8 000	38	650	560			
	A04	Y25	1	26	26	4 300	38	1 650	1 100			
	A05	Y25	1	12	12	3 600	38	1 650	400			
	A06	Y25	1	18	18	1 900	37	300				
	A07	Y20	1	32	32	7 850	38	650	1 050			
	A08	Y20	1	26	26	8 800	38	3 900	1 100			
	A09	Y16	1	4	4	4 400	37	550				
	A10	Y16	1	38	38	4 700	20	4 700				
	A11	Y16	1	32	32	2 700	62	500	350			
	A12	Y20	1	48	48	3 900	38	700	350			
	A13	Y20	1	24	24	5 200	38	2 500	350			
	A14	Y16	1	31	31	1 500	38	580	400			
	A15	Y16	1	4	4	2 800	38	1 230	400			
	A16	Y16	1	3	3	2 100	38	900	400			
	A17	Y20	1	21	21	1 800	41	440	280		100	
	A18	Y20	1	8	8	1 600	41	440	280		100	
	A19	Y16	1	7	7	6 200	20	6 200				
	A20	Y32	1	6	6	600	20	600				
	A21	Y16	1	6	6	3 300	38	1 250	880			
	A22	Y16	1	6	6	2 650	42	700	610		860	
	A23	Y16	1	6	6	1 600	38	400	860			
	A24	Y25	1	44	44	9 000	38	600	640			
	A25	Y25	1	80	80	6 000	38	1 150	690			
	A26	Y16	1	45	45	2 150	83	400	710			
	A27	Y16	1	70	70	900	38	400	200			
	A28	Y25	1	4	4	4 500	20	4 500				
	A29	Y25	1	4	4	2 600	20	2 600				
	A30	Y32	1	14	14	2 000	20	2 000				
Total Masses			R BARS = 0.000 kg Y BARS = 8.781 kg				Drawing Number 1300042 - T - 4218			Sh A		

Member	Reinforcement						Bending Dimensions for Shape Codes (SANS 282:2011)					
	Bar Mark	Type & Dia	No. Off Mbrs	No. In Each	Total No. Off	Cut Length	Shape Code	A	B	C	D	E/r
ABUTMENT B SEE SHEET 4203	B01	Y20	1	62	62	3 800	38	1 000	1 880			
	B02	Y16	1	11	11	4 900	60	500	1 880			
	B03	Y16	1	6	6	2 400	20	2 400				
	B04	Y20	1	29	29	2 950	38	1 400	250			
	B05	Y20	1	26	26	6 300	20	6 300				
	B06	Y20	1	4	4	1 800	20	1 800				
	B07	Y25	1	10	10	6 300	20	6 300				
	B08	Y16	1	12	12	3 750	38	1 000	1 830			
	B09	R12	1	21	21	1 350	85	100	1 100	100		
	B10	Y20	1	10	10	3 800	49	500	500		500	500
	B11	Y16	1	16	16	3 000	38	1 350	400			
	B12	Y16	1	31	31	4 700	38	2 200	400			
	B13	Y16	1	5	5	5 500	38	2 600	400			
	B14	Y20	1	8	8	2 000	38	600	900			
	B15	Y20	1	8	8	2 850	41	600	1 250		900	
	B16	Y16	1	6	6	2 400	38	1 000	500			
	B17	Y16	1	6	6	3 100	38	1 400	370			
	B18	Y16	1	29	29	4 300	38	2 000	370			
	B19	Y16	1	23	23	2 300	38	1 000	370			
	B20	Y16	1	6	6	1 650	38	670	370			
	B21	Y16	1	4	4	1 150	38	440	370			
	B22	Y20	1	37	37	1 400	20	1 400				
	B23	Y32	1	7	7	600	20	600				
Total Masses			R BARS = .25 kg Y BARS = 2.686 kg				Drawing Number 1300042 - T - 4218			Sh B		

Member	Reinforcement						Bending Dimensions for Shape Codes (SANS 282:2011)					
	Bar Mark	Type & Dia	No. Off Mbrs	No. In Each	Total No. Off	Cut Length	Shape Code	A	B	C	D	E/r
PIER 1 SEE SHEET 4204	C01	Y20	1	38	38	8 000	38	600	560			
	C02	Y25	1	34	34	5 000	38	600	600			
	C02a	Y20	1	34	34	5 000	38	600	600			
	C03	Y20	1	24	24	4 000	38	1 650	800			
	C04	Y32	1	10	10	2 100	37	550				
	C05	Y16	1	14	14	3 000	20	3 000				
	C06	Y16	1	7	7	3 600	39	1 600	760			
	C07	Y16	1	7	7	5 000	39	2 300	760			
	C08	Y16	1	24	24	3 200	38	1 250	790			
	C09	R10	1	18	18	1 000	85	100	800	60		
	C10	Y32	2	8	8	6 400	20	6 400				
	C11	Y32	2	24	24	4 900	20	4 900				
	C12	Y12	2	6	6	13 000	86	750	200	1 100		
	C13	Y25	1	6	6	5 450	99d	1 500	3 030		380	60
	C14	Y25	1	6	6	4 450	99a	1 500			400	
	C15	Y20	1	54	54	2 250	99a	1 500			270	
	C16	Y16	1	8	8	4 700	99b	1 020			500	
	C17	Y16	1	8	8	4 700	99a	1 020			520	
	C18	Y25	1	6	6	4 700	99c	500	3 250		110	60
	C19	Y25	1	6	6	3 700	99b	500			110	
	C20	Y16	1	54	54	1 350	99b	300			40	
Total Masses			R BARS = .11 kg Y BARS = 5.699 kg				Drawing Number 1300042 - T - 4218			Sh C		

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	Bar Mark	Type & Dia	No. Off Mbrs	No. In Each	Total No. Off	Cut Length	Shape Code	A	B	C	D	E/r
PIERS 2 & 3 SEE SHEET 4205	C01	VOID										
	C02	VOID										
	C03	VOID										
	C03a	Y16	2	24	48	2 600	38	950	800			
	C04	VOID										
	C05	Y16	2	14	28	3 000	20	3 000				
	C06	Y16	2	7	14	3 600	39	1 600	760			
	C07	Y16	2	7	14	5 000	39	2 300	760			
	C08	Y16	2	24	48	3 200	38	1 250	790			
	C09	R10	2	18	36	1 000	85	100	800	60		
	C10	Y32	4	8	32	6 400	20	6 400				
	C11	Y32	4	24	96	4 900	20	4 900				
	C12	Y12	4	6	6	13 000	86	750	200	1 100		
	C13	Y25	1	9	9	5 450	99d	1 500	3 000		400	60
	C13a	Y25	1	3	3	4 850	99d	900	3 000		240	60
	C14	Y25	1	9	9	4 450	99a	1 500			400	
	C14a	Y25	1	3	3	3 850	99a	900			230	
	C15	Y20	1	82	82	2 250	99a	1 500			270	
	C15a	Y20	1	26	26	1 650	99a	900			160	
	C16	Y16	2	8	16	4 700	99b	1 020			500	
	C17	Y16	2	8	16	4 700	99a	1 020			520	
	C18	Y25	2	6	12	4 700	99c	500	3 250		110	60
	C19	Y25	2	6	12	3 700	99b	500			110	
	C20	Y16	2	54	108	1 350	99b	300			40	
Total Masses			R BARS = .22 kg Y BARS = 7.123 kg				Drawing Number 1300042 - T - 4218			Sh D		

SHAPE CODE - SANS 282:2011									
20		39		52		72		99a	
	41		53		73		99b		
	42		54		74		99c		
	43		55		81		99d		
	44		56		82		99e		
36		45		83					
37		46		84					
38		47		85					
39		48		86					
40		49		87					
41		50		88					
42		51		89					
43		52		90					
44		53		91					
45		54		92					
46		55		93					
47		56		94					
48		57		95					
49		58		96					
50		59		97					
51		60		98					
52		61		99					
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86		95							
87		96							
88		97							
89		98							
90		99							

A letter 'S' after the shape code indicates radii of 7.5d. In all other cases the radius is standard unless 'I' is specified.

All dimensions are external and all radii are internal.