



TABLE OF RING SEGMENT DATA FOR EACH PIPE SIZE (Do)

Do	K	W	Ds	DL	X1	X2	Approx. Length of Curved Bars [Inches (mm)]										Approx. Radius of Curved Bars [Inches (mm)]					Number of Frames	Co		Cf		Reinforcing Bar Size		Section Number									
							A	B	C	D	E	RA	RB	RC	RD	RE	Inches	mm	Inches	mm	Feet		m	Feet	m													
36	915	4	102	4	102	0.625	16	1.5	38	2.00	51	1.00	25	17.1	434	12.2	310	—	—	—	—	—	—	—	—	—	—	3	1.0	25	1.5	38	*4	*13	I			
42	1067	5	127	5	127	0.625	16	2.0	51	2.50	64	1.00	25	21.0	533	13.6	345	—	—	—	—	—	—	—	—	—	—	3	1.0	25					II			
48	1219	6	152	6	152	0.750	19	2.0	51	3.00	76	1.25	32	23.7	602	16.3	414	—	—	—	—	—	—	—	—	—	—	3	1.5	38					III			
54	1372	7	178	7	178	1.000	25	3.0	76	3.50	89	1.50	38	27.6	701	17.8	452	—	—	—	—	—	—	—	—	—	—	3							IV			
60	1524	7	178	7	178					3.50	89			31.6	803	21.7	551	—	—	—	—	—	—	—	—	—	—	3			1.5	38			IV			
66	1676	8	203	8	203					4.00	102			35.5	902	29.3	744	23.2	589	—	—	—	—	—	—	—	—	4			2	51			V			
72	1829	8	203	8	203	1.000	25			4.00	102			39.4	1001	33.3	846	27.1	688	—	—	—	—	—	—	—	—	4							V			
78	1981	10	254	8	203	1.250	32	3.0	76	4.00	102	1.50	38	43.4	1102	34.7	881	26.1	663	—	—	—	—	—	—	—	—	4							VI			
84	2134	12	305	9	229	1.625	41	4.0	102	4.50	114	2.00	51	47.3	1201	39.9	1013	32.5	825	25.1	638	—	—	—	—	—	—	5							VII			
90	2286													51.2	1300	43.8	1113	36.4	925	29.0	737	—	—	—	—	—	—	5							VII			
96	2438													55.1	1400	47.7	1212	40.3	1024	32.9	836	—	—	—	—	—	—	5							VII			
102	2591													59.0	1499	51.7	1313	44.3	1125	36.9	937	—	—	—	—	—	—	5							VII			
108	2743	12	305											63.0	1600	55.6	1412	48.2	1224	40.8	1036	—	—	—	—	—	—	5	1.5	38					VII			
114	2896	14	356											65.7	1669	59.5	1511	53.4	1356	47.2	1199	41.0	1041	55.0	1397	52.5	1334	50.0	1270	47.5	1206	45.0	1143			VIII		
120	3048	14	356	9	229	1.625	41			4.50	114	2.00	51	69.6	1768	63.4	1610	57.3	1455	51.1	1298	45.0	1143	58.0	1473	55.5	1410	53.0	1346	50.5	1283	48.0	1219			*4	*13	VIII
126	3200	15	381	10	254	1.750	44			5.00	127	2.50	64	73.5	1867	60.0	1524	46.4	1179	—	—	—	—	—	—	—	—	6							*6	*19	IX	
132	3353	15	381											77.5	1968	63.9	1623	50.4	1280	—	—	—	—	—	—	—	—	6								IX		
138	3505	18	457											81.4	2068	69.9	1775	58.4	1483	46.9	1191	—	—	—	—	—	—	6								X		
144	3658													85.3	2167	73.8	1875	62.3	1582	50.8	1290	—	—	—	—	—	—	6								X		
150	3810													89.2	2266	77.7	1974	66.2	1681	54.7	1389	—	—	—	—	—	—	7								X		
156	3942	18	457	10	254			4.0	102	5.00	127			93.2	2367	81.7	2075	70.2	1783	58.7	1491	—	—	—	—	—	—	7								X		
162	4115	20	508	12	305	1.750	44	5.0	127	6.00	152	2.50	64	97.1	2466	87.2	2215	77.4	1966	67.5	1715	57.7	1466	79.0	2007	75.0	1905	71.0	1803	67.0	1702	63.0	1600			*6	*19	XI

NOTES:

Ring Segments are to be pre-cast from Class C Concrete per 706.13.

(1) Frames of Item 709 reinforcing must be wired or resistance welded to the curved bars to form a cage. A frame must be placed at each end face. Frame bars must be made of the same size bars as the curved bars (A thru E). Frames are to be evenly spaced but

may be adjusted to avoid the block out for the bolt holes. Frames may be made from a single bent bar rather than four individual bars as shown. The outside diameter Do may be reduced to obtain a proper fit with the inside diameter of the pipe section.