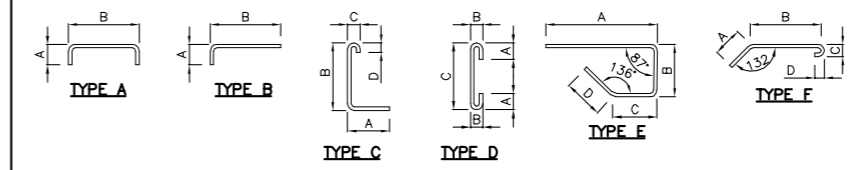


**BILL OF REINFORCING STEEL**

STRAIGHT BARS				BENT BARS												
MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	QTY.	LENGTH (mm)	MASS (kg)	MARK	TYPE	QTY.	A	B	C	D	LENGTH (mm)	MASS (kg)
B1501	22	5000	172.7	B2011	2	275	1.5	B1519	C	72	200	365	90	60	715	80.8
B1502	28	2850	127.5	B2012	2	310	1.7	B1520	B	152	200	1125			1500	358.0
B1503	20	5100	160.1	B2013	2	360	1.9									
B1504	6	7000	65.9	B2014	2	425	2.2	B2031	A	146	1300	550			1850	636.1
B1505	28	3470	154.7	B2015	2	510	2.6	B2032	A	8	1700	550			2250	42.4
B1506	2	250	0.9	B2016	2	615	3.1	B2033	A	10	1800	550			2350	55.3
B1507	2	275	1.0	B2017	2	740	3.7	B2035	D	56	60	100	800		960	126.6
B1508	2	330	1.2	B2018	2	890	4.4	B2036	E	56	900	350	160	420	1830	241.3
B1509	2	425	1.5	B2019	2	1075	5.3	B2037	F	56	400	825	90	60	1375	181.3
B1510	2	560	1.9	B2020	2	1025	5.1									
B1511	2	740	2.5	B2021	2	1315	6.4									
B1512	2	980	3.2	B2022	2	1715	8.3									
B1513	2	1025	3.4	B2023	2	500	2.4	B2501	B	65	365	6750			7115	1815.2
B1514	2	1495	10.4	B2024	2	1300	6.1	B2502	B	65	365	3600			3965	1011.6
B1515	2	500	1.6	B2025	2	2100	9.9									
B1516	2	1700	5.3	B2026	40	7400	697.1									
B1517	12	5650	106.4	B2027	4	415	3.9									
B1518	12	3050	57.5	B2028	4	1015	9.6									
				B2029	40	5800	546.4									
B2001	33	6350	493.5	B2030	12	1280	36.2									
B2002	33	3600	279.8													
B2003	64	5650	851.6													
B2004	64	3050	459.7													
B2005	22	5000	259.1													
B2006	42	2850	286.8													
B2007	20	5100	240.2													
B2008	6	7000	98.9													
B2009	42	3470	348.2													
B2010	2	255	1.4													

TOTAL MASS OF REINFORCING STEEL (kg) = 10208.8



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 2007-12-20 11:58:00



<b>LOCATION APPROVED UNDERGROUND STRUCTURES</b> SUPV. U/G STRUCTURES COMMITTEE DATE NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.		B.M. ELEV. DESIGNED BY: K.S.A. CHECKED BY: B.J.W. DRAWN BY: J.G.F. APPROVED BY: K.S.A. HOR. SCALE: AS SHOWN VERTICAL: AS SHOWN AUTHORIZED BY: DATE BILL EBENSPANGER DEC. 3, 2007 B. EBENSPANGER, P. ENG. BRIDGE PROJECTS ENGINEER	ENGINEER'S SEAL ORIGINAL SEALED BY K.S. AMY P. ENCS. 07.12.03	<b>THE CITY OF WINNIPEG</b> <b>PUBLIC WORKS DEPARTMENT</b> <b>TRANSPORTATION ENGINEERING DIVISION</b> <b>ACCESS BRIDGE</b> <b>TO 330 AND 334 BONNER AVENUE</b> SHEET 8 OF 9 CAD FILE DRAWING NUMBER 31410sb707-682.dwg CITY DRAWING NUMBER B176-08-08
1 ISSUED FOR TENDER 07.12.03 K.S.A. NO. REVISIONS DATE BY	DATE OCT. 20, 2007	CONSULTANT DRAWING NO. 31410SB707	REINFORCING SECTIONS, DETAILS & SCHEDULE	CITY DRAWING NUMBER B176-08-08