

Caillebotis rempli de béton

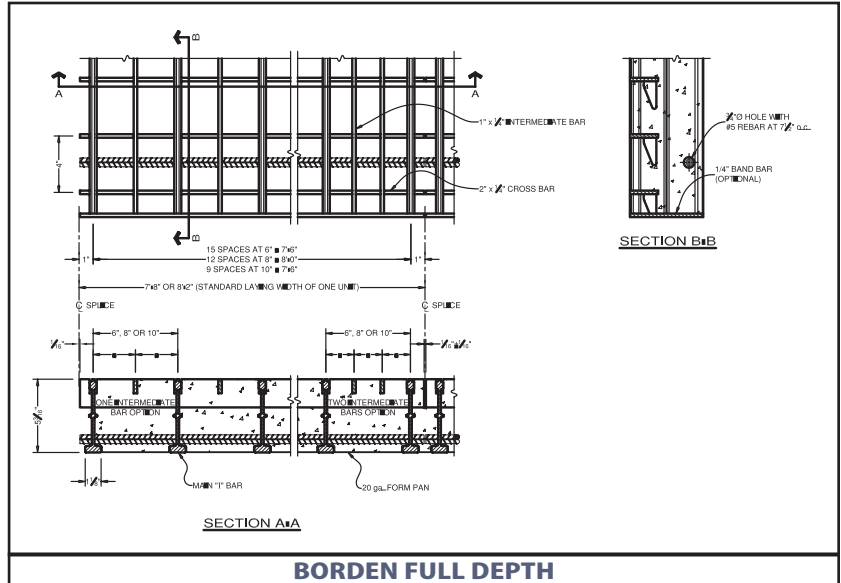


TABLEAU DES CHARGES

Type de caillebotis	Centre de la barre porteuse	Barres supplémentaires	Poids		Acier seulement		Fissuré Section Composite				
			Acier seulement	Acier & béton	Haut Acier S	Bas Acier S	Sc+	Ss+	Sc-	Ss-	lcr
			lb/pi ²	lb/pi ²	po ³ /p. l.	po ³ /p. l.	po ³ /p. l.	po ³ /p. l.	po ³ /p. l.	po ³ /p. l.	po ⁴ /p. l.
			kg/m ²	kg/m ²	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ³ /m	mm ⁴ /m
R/R 6x4	6	0	18.72	75.46	2.630	4.116	63.63	4.87	58.78	2.79	128.92
R/R 8x4	8	0	15.92	73.48	1.973	3.087	55.73	3.78	51.50	2.13	104.06
R/R 10x4	10	0	14.22	72.28	1.58	2.470	50.38	3.06	43.43	1.73	88.00
R/R-L 6-3x4	6	1	20.35	76.61	4.14	4.62	73.24	4.97	68.37	4.48	137.66
R/R-L 4-4x4	8	1	17.13	74.34	3.10	3.46	62.39	3.81	65.84	3.25	109.36
R/R-L 10-5x4	10	1	15.19	72.97	2.48	2.77	55.67	3.10	58.17	2.65	91.60
R/R-L 6-2x4	6	2	21.42	77.36	5.56	4.89	82.70	5.01	74.74	6.16	145.09
R/R-L 8-2.67x4	8	2	17.94	74.91	4.17	3.67	69.30	3.83	63.74	4.69	114.14
R/R-L 10-3.33x4	10	2	15.83	73.42	3.33	2.93	60.80	3.12	56.65	3.80	94.89
			77.29	358.47	1.79E+05	1.58E+05	3.27E+06	1.68E+05	3.05E+06	2.04E+05	1.30E+08

Type de caillebotis	CAN/CSA-S6-06 CL-625 (po)										AASHTO HS20-1996 (po)									
	(mm)										(mm)									
	Barres porteuses parallèles à la circulation					Barres porteuses perpendiculaires à la circulation					Barres porteuses parallèles à la circulation					Barres porteuses perpendiculaires à la circulation				
	Résistance	Déviation				Résistance	Déviation				Résistance	Déviation				Résistance	Déviation			
		L/800	L/700	L/600	L/500		L/800	L/700	L/600	L/500		L/800	L/700	L/600	L/500		L/800	L/700	L/600	L/500
R/R 6x4	32.25	-	-	-	-	57.67	44.08	46.70	49.97	54.23	70.86	67.64	-	-	-	118.95	56.98	60.31	64.48	69.91
	819	-	-	-	-	1465	1120	1186	1269	1377	1800	1718	-	-	-	3021	1447	1532	1638	1776
R/R 8x4	25.79	-	-	-	-	39.24	-	-	-	-	51.80	-	-	-	-	86.11	53.43	56.31	59.93	64.65
	655	-	-	-	-	997	-	-	-	-	1316	-	-	-	-	2187	1357	1430	1522	1642
R/R 10x4	21.85	-	-	-	-	27.76	-	-	-	-	40.16	-	-	-	-	65.84	51.63	54.15	57.33	61.52
	555	-	-	-	-	705	-	-	-	-	1020	-	-	-	-	1672	1311	1375	1456	1563
R/R-L 6-3x4	45.55	-	-	-	-	102.29	45.34	48.06	51.46	55.87	114.45	69.80	74.43	80.18	87.61	176.00	71.98	76.48	82.08	71.98
	1157	-	-	-	-	2598	1152	1221	1307	1419	2907	1773	1890	2037	2225	4470	1828	1942	2085	1828
R/R-L 4-4x4	36.74	-	-	-	-	70.33	41.11	43.50	46.48	50.37	84.02	66.15	70.51	75.94	82.95	141.35	54.46	57.42	61.15	66.01
	933	-	-	-	-	1786	1044	1105	1181	1279	2134	1680	1791	1929	2107	3590	1383	1459	1553	1677
R/R-L 10-5x4	30.85	-	-	-	-	53.80	38.23	40.37	43.07	46.59	66.72	63.92	-	-	-	111.84	52.36	54.95	58.22	62.51
	784	-	-	-	-	1366	971	1026	1094	1183	1695	1624	-	-	-	2841	1330	1396	1479	1588
R/R-L 6-2x4	49.37	-	-	-	-	116.19	46.43	49.24	52.74	57.29	124.99	71.67	76.43	82.35	89.99	193.62	59.96	63.53	67.99	73.79
	1254	-	-	-	-	2951	1179	1251	1340	1455	3175	1820	1941	2092	2286	4918	1523	1614	1727	1874
R/R-L 8-2.67x4	42.80	-	-	-	-	85.73	41.86	44.30	47.36	51.34	100.49	67.51	71.98	77.53	84.69	163.20	55.39	58.42	62.24	67.23
	1087	-	-	-	-	2177	1063	1125	1203	1304	2552	1715	1828	1969	2151	4145	1407	1484	1581	1708
R/R-L 10-3.33x4	35.41	-	-	-	-	66.59	38.78	40.97	43.72	47.31	80.10	65.00	69.29	74.61	-	134.69	53.02	55.67	59.01	63.39
	899	-	-	-	-	1691	985	1041	1111	1202	2034	1651	1760	1895	-	3421	1347	1414	1499	1610