INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M1	1.4D	Top	88.8259	33.3869	0.6571	0.4988	1.8061	51.3015	1	0.4	3	791	1274	39569	1274	142	150	954	1671	0.02
N+110.65	M1	1.4D	Bottom	241.0565	33.3869	0.6571	0.4988	0.7236	77.238	1	0.4	3	791	1305	2091	1305	142	150	954	1694	0.02
N+110.65	M1	1.2D+1.6L+0.5Lr	Top	76.1188	28.7221	0.5672	0.4314	1.5555	44.1157	1	0.4	3	791	1272	40085	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6L+0.5Lr	Bottom	206.6022	28.7221	0.5672	0.4314	0.628	66.4644	1	0.4	3	791	1298	2070	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.6L+0.5G	Top	76.1213	28.6958	0.5666	0.431	1.5546	44.099	1	0.4	3	791	1272	39190	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6L+0.5G	Bottom	206.6047	28.6958	0.5666	0.431	0.6267	66.3799	1	0.4	3	791	1298	2071	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.6L+0.5Le	Top	76.1229	28.6794	0.5662	0.4308	1.554	44.0887	1	0.4	3	791	1272	38647	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6L+0.5Le	Bottom	206.6063	28.6794	0.5662	0.4308	0.6258	66.327	1	0.4	3	791	1298	2073	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.6Lr+1.0L	Top	76.1109	28.835	0.5692	0.4322	1.5582	44.1584	1	0.4	3	791	1272	45835	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6Lr+1.0L	Bottom	206.5943	28.835	0.5692	0.4322	0.6331	66.8564	1	0.4	3	791	1298	2059	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.6G+1.0L	Top	76.1189	28.7509	0.5672	0.431	1.5552	44.1052	1	0.4	3	791	1272	42313	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6G+1.0L	Bottom	206.6023	28.7509	0.5672	0.431	0.6287	66.5859	1	0.4	3	791	1298	2065	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.6Le+1.0L	Top	76.124	28.6984	0.566	0.4302	1.5533	44.0719	1	0.4	3	791	1272	40373	1272	142	150	954	1669	0.02
N+110.65	M1	1.2D+1.6Le+1.0L	Bottom	206.6073	28.6984	0.566	0.4302	0.6259	66.4169	1	0.4	3	791	1298	2069	1298	142	150	954	1689	0.02
N+110.65	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	-60.5032	588.4454	15.7224	17.6826	39.9033	525.8444	1	0.4	3	791	1244	2022	1244	142	150	954	1649	0.36
N+110.65	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	69.9802	588.4454	15.7224	17.6826	28.6441	1660.1364	1	0.4	3	791	1271	1315	1271	142	150	954	1669	0.35
N+110.65	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	212.7611	531.1537	16.852	18.5415	36.8005	613.9217	1	0.4	3	791	1299	4121	1299	142	150	954	1690	0.31
N+110.65	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	343.2445	531.1537	16.852	18.5415	29.8904	1527.6407	1	0.4	3	791	1325	1367	1325	142	150	954	1710	0.31
N+110.65	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	-17.732	730.3669	20.2896	17.1348	41.9564	752.3417	1	0.4	3	791	1253	2720	1253	142	150	954	1655	0.44
N+110.65	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	112.7514	730.3669	20.2896	17.1348	40.7536	1995.3353	1	0.4	3	791	1279	1410	1279	142	150	954	1675	0.44
N+110.65	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	169.9899	673.0752	21.4193	17.9936	38.8536	840.419	1	0.4	3	791	1291	5646	1291	142	150	954	1684	0.40
N+110.65	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	300.4733	673.0752	21.4193	17.9936	41.9999	1862.8395	1	0.4	3	791	1317	1448	1317	142	150	954	1703	0.40
N+110.65	M1	0.9D+1.0Ex+0.3Ey	Top	-79.5297	581.2626	15.8648	17.7914	39.513	536.9036	1	0.4	3	791	1241	2124	1241	142	150	954	1646	0.35
N+110.65	M1	0.9D+1.0Ex+0.3Ey	Bottom	18.3328	581.2626	15.8648	17.7914	28.8021	1643.5415	1	0.4	3	791	1260	1291	1260	142	150	954	1661	0.35
N+110.65	M1	0.9D+1.0Ex+0.3Ey	Top	193.7345	538.3366	16.7096	18.4327	37.1909	602.8626	1	0.4	3	791	1295	3685	1295	142	150	954	1687	0.32
N+110.65	M1	0.9D+1.0Ex+0.3Ey	Bottom	291.597	538.3366	16.7096	18.4327	29.7324	1544.2355	1	0.4	3	791	1315	1355	1315	142	150	954	1702	0.32
N+110.65	M1	0.9D+1.0Ey+0.3Ex	Top	-36.7586	723.1841	20.432	17.2435	41.566	763.4008	1	0.4	3	791	1249	2869	1249	142	150	954	1653	0.44
N+110.65	M1	0.9D+1.0Ey+0.3Ex	Bottom	61.104	723.1841	20.432	17.2435	40.9116	1978.7404	1	0.4	3	791	1269	1386	1269	142	150	954	1667	0.43
N+110.65	M1	0.9D+1.0Ey+0.3Ex	Top	150.9633	680.2581	21.2768	17.8849	39.2439	829.3598	1	0.4	3	791	1287	4997	1287	142	150	954	1681	0.40
N+110.65	M1	0.9D+1.0Ey+0.3Ex	Bottom	248.8258	680.2581	21.2768	17.8849	41.8419	1879.4344	1	0.4	3	791	1306	1433	1306	142	150	954	1695	0.40
N+110.65	M2	1.4D	Top	123.5464	44.8206	0.0044	0.0262	0.0486	72.4223	2	0.4	3	791	1281	12798	1281	142	150	954	1677	0.03
N+110.65	M2	1.4D	Bottom	275.777	44.8206	0.0044	0.0262	0.0319	100.1368	2	0.4	3	791	1312	2315	1312	142	150	954	1699	0.03
N+110.65	M2	1.2D+1.6L+0.5Lr	Top	105.8904	38.5178	0.0033	0.0233	0.0417	62.1752	2	0.4	3	791	1278	12904	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6L+0.5Lr	Bottom	236.3738	38.5178	0.0033	0.0233	0.0288	86.1183	2	0.4	3	791	1304	2284	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.6L+0.5G	Top	105.8911	38.4934	0.0032	0.0232	0.0417	62.165	2	0.4	3	791	1278	12820	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6L+0.5G	Bottom	236.3745	38.4934	0.0032	0.0232	0.0293	86.0345	2	0.4	3	791	1304	2286	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.6L+0.5Le	Top	105.8916	38.4781	0.0031	0.0231	0.0417	62.1587	2	0.4	3	791	1278	12768	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6L+0.5Le	Bottom	236.3749	38.4781	0.0031	0.0231	0.0296	85.9822	2	0.4	3	791	1304	2288	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.6Lr+1.0L	Top	105.8888	38.6216	0.0042	0.0235	0.0418	62.1973	2	0.4	3	791	1278	13336	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6Lr+1.0L	Bottom	236.3721	38.6216	0.0042	0.0235	0.0254	86.496	2	0.4	3	791	1304	2274	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.6G+1.0L	Top	105.891	38.5435	0.0038	0.0232	0.0417	62.1646	2	0.4	3	791	1278	13055	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6G+1.0L	Bottom	236.3744	38.5435	0.0038	0.0232	0.027	86.228	2	0.4	3	791	1304	2281	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.6Le+1.0L	Top	105.8924	38.4947	0.0036	0.023	0.0417	62.1442	2	0.4	3	791	1278	12886	1278	142	150	954	1674	0.02
N+110.65	M2	1.2D+1.6Le+1.0L	Bottom	236.3758	38.4947	0.0036	0.023	0.028	86.0605	2	0.4	3	791	1304	2285	1304	142	150	954	1694	0.02
N+110.65	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	89.5663	260.2857	12.4219	0.8705	0.4739	131.368	2	0.4	3	791	1274	1213	1213	142	150	954	1626	0.16
N+110.65	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	220.0497	260.2857	12.4219	0.8705	47.5083	750.0913	2	0.4	3	791	1301	1319	1301	142	150	954	1691	0.15
N+110.65	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.2214	183.3939	12.4285	0.9162	0.3905	255.6155	2	0.4	3	791	1281	13467	1281	142	150	954	1676	0.11
N+110.65	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	252.7047	183.3939	12.4285	0.9162	47.4504	578.3054	2	0.4	3	791	1307	1150	1150	142	150	954	1579	0.12
N+110.65	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	68.586	719.4824	4.2033	1.4301	0.3626	503.4082	2	0.4	3	791	1270	1553	1270	142	150	954	1668	0.43
N+110.65	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	199.0694	719.4824	4.2033	1.4301	16.1501	2153.4986	2	0.4	3	791	1296	1232	1232	142	150	954	1639	0.44
N+110.65	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	143.2017	642.5906	4.2099	1.4758	0.2792	627.6558	2	0.4	3	791	1285	2567	1285	142	150	954	1680	0.38
N+110.65	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	273.685	642.5906	4.2099	1.4758	16.0922	1981.7126	2	0.4	3	791	1311	1197	1197	142	150	954	1613	0.40
N+110.65	M2	0.9D+1.0Ex+0.3Ey	Top	63.0952	250.653	12.4224	0.8765	0.4635	146.9345	2	0.4	3	791	1269	1328	1269	142	150	954	1668	0.15
N+110.65	M2	0.9D+1.0Ex+0.3Ey	Bottom	160.9577	250.653	12.4224	0.8765	47.4998	728.572	2	0.4	3	791	1289	1280	1280	142	150	954	1676	0.15
N+110.65	M2	0.9D+1.0Ex+0.3Ey	Top	95.7502	193.0266	12.428	0.9102	0.4009	240.049	2	0.4	3	791	1276	5392	1276	142	150	954	1672	0.12
N+110.65	M2	0.9D+1.0Ex+0.3Ey	Bottom	193.6127	193.0266	12.428	0.9102	47.4588	599.8247	2	0.4	3	791	1295	1159	1159	142	150	954	1585	0.12
N+110.65	M2	0.9D+1.0Ey+0.3Ex	Top	42.1149	709.8497	4.2038	1.4361	0.3522	518.9748	2	0.4	3	791	1265	1609	1265	142	150	954	1664	0.43
N+110.65	M2	0.9D+1.0Ey+0.3Ex	Bottom	139.9774	709.8497	4.2038	1.4361	16.1417	2131.9793	2	0.4	3	791	1285	1206	1206	142	150	954	1620	0.44
N+110.65	M2	0.9D+1.0Ey+0.3Ex	Top	116.7305	652.2233	4.2094	1.4698	0.2896	612.0893	2	0.4	3	791	1280	2353	1280	142	150	954	1676	0.39
N+110.65	M2	0.9D+1.0Ey+0.3Ex	Bottom	214.593	652.2233	4.2094	1.4698	16.1007	2003.232	2	0.4	3	791	1299	1187	1187	142	150	954	1606	0.41
N+110.65	M3	1.4D	Top	112.4263	41.7887	0.0041	0.0023	0.0037	95.5026	6	0.4	3	791	1279	2079	1279	142	150	954	1675	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M3	1.4D	Bottom	264.6569	41.7887	0.0041	0.0023	0.0122	65.3838	6	0.4	3	791	1309	23801	1309	142	150	954	1698	0.02
N+110.65	M3	1.2D+1.6L+0.5Lr	Top	96.3856	35.7404	0.0038	0.0012	0.0032	81.7401	6	0.4	3	791	1276	2065	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6L+0.5Lr	Bottom	226.869	35.7404	0.0038	0.0012	0.0116	55.8604	6	0.4	3	791	1302	24142	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.6L+0.5G	Top	96.3829	35.7647	0.0039	0.0013	0.0032	81.7542	6	0.4	3	791	1276	2068	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6L+0.5G	Bottom	226.8663	35.7647	0.0039	0.0013	0.0119	55.94	6	0.4	3	791	1302	23708	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.6L+0.5Le	Top	96.3812	35.7799	0.004	0.0014	0.0032	81.7629	6	0.4	3	791	1276	2070	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6L+0.5Le	Bottom	226.8646	35.7799	0.004	0.0014	0.0121	55.9896	6	0.4	3	791	1302	23446	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.6Lr+1.0L	Top	96.3937	35.629	0.0033	0.001	0.0032	81.7035	6	0.4	3	791	1276	2051	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6Lr+1.0L	Bottom	226.877	35.629	0.0033	0.001	0.0094	55.4684	6	0.4	3	791	1302	26714	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.6G+1.0L	Top	96.385	35.7068	0.0035	0.0013	0.0032	81.7484	6	0.4	3	791	1276	2060	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6G+1.0L	Bottom	226.8684	35.7068	0.0035	0.0013	0.0104	55.7228	6	0.4	3	791	1302	25082	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.6Le+1.0L	Top	96.3796	35.7554	0.0037	0.0014	0.0032	81.7765	6	0.4	3	791	1276	2065	1276	142	150	954	1673	0.02
N+110.65	M3	1.2D+1.6Le+1.0L	Bottom	226.863	35.7554	0.0037	0.0014	0.011	55.8818	6	0.4	3	791	1302	24163	1302	142	150	954	1692	0.02
N+110.65	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	58.8338	145.9566	13.2827	0.3675	0.1263	298.56	6	0.4	3	791	1268	2844	1268	142	150	954	1667	0.09
N+110.65	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	189.3171	145.9566	13.2827	0.3675	51.0115	434.1651	6	0.4	3	791	1294	1241	1241	142	150	954	1646	0.09
N+110.65	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	133.9147	217.5646	13.275	0.3643	0.1327	134.9508	6	0.4	3	791	1283	1427	1283	142	150	954	1678	0.13
N+110.65	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	264.3981	217.5646	13.275	0.3643	50.9883	546.2467	6	0.4	3	791	1309	1740	1309	142	150	954	1698	0.13
N+110.65	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	-24.8335	551.6366	4.4483	1.02	0.1239	781.5973	6	0.4	3	791	1252	16418	1252	142	150	954	1654	0.33
N+110.65	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	105.6498	551.6366	4.4483	1.02	17.0085	1528.8983	6	0.4	3	791	1278	1371	1278	142	150	954	1674	0.33
N+110.65	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	217.5821	623.2446	4.4406	1.0168	0.1304	617.9881	6	0.4	3	791	1300	2719	1300	142	150	954	1691	0.37
N+110.65	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	348.0654	623.2446	4.4406	1.0168	16.9854	1640.9799	6	0.4	3	791	1326	1612	1326	142	150	954	1710	0.36
N+110.65	M3	0.9D+1.0Ex+0.3Ey	Top	34.7336	154.8965	13.2815	0.3674	0.1271	278.15	6	0.4	3	791	1263	5010	1263	142	150	954	1663	0.09
N+110.65	M3	0.9D+1.0Ex+0.3Ey	Bottom	132.5961	154.8965	13.2815	0.3674	51.0077	448.1734	6	0.4	3	791	1283	1280	1280	142	150	954	1676	0.09
N+110.65	M3	0.9D+1.0Ex+0.3Ey	Top	109.8145	208.6248	13.2762	0.3645	0.1319	155.3609	6	0.4	3	791	1278	1686	1278	142	150	954	1675	0.12
N+110.65	M3	0.9D+1.0Ex+0.3Ey	Bottom	207.6771	208.6248	13.2762	0.3645	50.992	532.2383	6	0.4	3	791	1298	1656	1298	142	150	954	1689	0.12
N+110.65	M3	0.9D+1.0Ey+0.3Ex	Top	-48.9337	560.5764	4.4471	1.0199	0.1248	761.1873	6	0.4	3	791	1247	9425	1247	142	150	954	1651	0.34
N+110.65	M3	0.9D+1.0Ey+0.3Ex	Bottom	48.9288	560.5764	4.4471	1.0199	17.0048	1542.9067	6	0.4	3	791	1266	1366	1266	142	150	954	1665	0.34
N+110.65	M3	0.9D+1.0Ey+0.3Ex	Top	193.4819	614.3047	4.4418	1.017	0.1296	638.3982	6	0.4	3	791	1295	2999	1295	142	150	954	1687	0.36
N+110.65	M3	0.9D+1.0Ey+0.3Ex	Bottom	291.3444	614.3047	4.4418	1.017	16.9891	1626.9716	6	0.4	3	791	1315	1570	1315	142	150	954	1702	0.36
N+110.65	M4	1.4D	Top	101.1148	88.2798	0.0014	0.0371	0.0059	170.9708	8	0.4	1.5	396	648	431	431	142	150	477	681	0.13
N+110.65	M4	1.4D	Bottom	177.2301	88.2798	0.0014	0.0371	0.0005	168.9066	8	0.4	1.5	396	664	453	453	142	150	477	698	0.13
N+110.65	M4	1.2D+1.6L+0.5Lr	Top	86.647	75.7355	0.0011	0.0322	0.0051	146.634	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6L+0.5Lr	Bottom	151.8886	75.7355	0.0011	0.0322	0.0007	144.9477	8	0.4	1.5	396	659	448	448	142	150	477	694	0.11
N+110.65	M4	1.2D+1.6L+0.5G	Top	86.65	75.7276	0.0011	0.0322	0.0051	146.624	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6L+0.5G	Bottom	151.8917	75.7276	0.0011	0.0322	0.0009	144.9274	8	0.4	1.5	396	659	448	448	142	150	477	694	0.11
N+110.65	M4	1.2D+1.6L+0.5Le	Top	86.6518	75.7227	0.0011	0.0321	0.0051	146.6177	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6L+0.5Le	Bottom	151.8935	75.7227	0.0011	0.0321	0.0009	144.9147	8	0.4	1.5	396	659	448	448	142	150	477	694	0.11
N+110.65	M4	1.2D+1.6Lr+1.0L	Top	86.6381	75.756	0.0013	0.0323	0.0051	146.6594	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6Lr+1.0L	Bottom	151.8798	75.756	0.0013	0.0323	0.00003712	145.0013	8	0.4	1.5	396	659	448	448	142	150	477	693	0.11
N+110.65	M4	1.2D+1.6G+1.0L	Top	86.6478	75.7308	0.0012	0.0322	0.0051	146.6273	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6G+1.0L	Bottom	151.8894	75.7308	0.0012	0.0322	0.0003	144.9364	8	0.4	1.5	396	659	448	448	142	150	477	694	0.11
N+110.65	M4	1.2D+1.6Le+1.0L	Top	86.6538	75.715	0.0012	0.0321	0.0051	146.6071	8	0.4	1.5	396	646	428	428	142	150	477	679	0.11
N+110.65	M4	1.2D+1.6Le+1.0L	Bottom	151.8954	75.715	0.0012	0.0321	0.0006	144.8958	8	0.4	1.5	396	659	448	448	142	150	477	694	0.11
N+110.65	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	44.2582	196.7331	6.5367	0.1696	0.0321	11.794	8	0.4	1.5	396	637	405	405	142	150	477	661	0.30
N+110.65	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	109.4999	196.7331	6.5367	0.1696	25.1922	452.4573	8	0.4	1.5	396	650	359	396	142	150	477	655	0.30
N+110.65	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	129.0614	45.3345	6.5389	0.2336	0.0219	304.9681	8	0.4	1.5	396	654	180	396	142	150	477	655	0.07
N+110.65	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	194.303	45.3345	6.5389	0.2336	25.1906	162.747	8	0.4	1.5	396	667	256	396	142	150	477	655	0.07
N+110.65	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	-50.2443	466.4828	2.0734	0.5668	0.07	364.7345	8	0.4	1.5	396	618	10686	618	142	150	477	821	0.57
N+110.65	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	14.9974	466.4828	2.0734	0.5668	8.035	1138.0587	8	0.4	1.5	396	631	325	396	142	150	477	655	0.71
N+110.65	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	223.5638	315.0843	2.0756	0.6308	0.0598	657.9085	8	0.4	1.5	396	673	417	417	142	150	477	671	0.47
N+110.65	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	288.8055	315.0843	2.0756	0.6308	8.0334	848.3483	8	0.4	1.5	396	686	332	396	142	150	477	655	0.48
N+110.65	M4	0.9D+1.0Ex+0.3Ey	Top	22.6008	177.7851	6.5369	0.1777	0.0308	48.4712	8	0.4	1.5	396	633	626	626	142	150	477	827	0.21
N+110.65	M4	0.9D+1.0Ex+0.3Ey	Bottom	71.5321	177.7851	6.5369	0.1777	25.1917	416.1849	8	0.4	1.5	396	643	347	396	142	150	477	655	0.27
N+110.65	M4	0.9D+1.0Ex+0.3Ey	Top	107.404	64.2825	6.5387	0.2254	0.0232	268.2908	8	0.4	1.5	396	650	226	396	142	150	477	655	0.10
N+110.65	M4	0.9D+1.0Ex+0.3Ey	Bottom	156.3352	64.2825	6.5387	0.2254	25.1911	199.0194	8	0.4	1.5	396	660	281	396	142	150	477	655	0.10
N+110.65	M4	0.9D+1.0Ey+0.3Ex	Top	-71.9017	447.5349	2.0736	0.5749	0.0687	401.4117	8	0.4	1.5	396	614	2374	614	142	150	477	818	0.55
N+110.65	M4	0.9D+1.0Ey+0.3Ex	Bottom	-22.9704	447.5349	2.0736	0.5749	8.0345	1101.7863	8	0.4	1.5	396	624	317	396	142	150	477	655	0.68
N+110.65	M4	0.9D+1.0Ey+0.3Ex	Top	201.9065	334.0323	2.0754	0.6226	0.0611	621.2313	8	0.4	1.5	396	669	475	475	142	150	477	714	0.47
N+110.65	M4	0.9D+1.0Ey+0.3Ex	Bottom	250.8377	334.0323	2.0754	0.6226	8.0339	884.6207	8	0.4	1.5	396	678	332	396	142	150	477	655	0.51
N+110.65	M5	1.4D	Top	102.0652	85.6397	0.0016	0.0293	0.0054	167.5415	8	0.4	1.5	396	649	426	426	142	150	477	677	0.13
N+110.65	M5	1.4D	Bottom	178.1805	85.6397	0.0016	0.0293	0.0008	162.1713	8	0.4	1.5	396	664	459	459	142	150	477	702	0.12

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M5	1.2D+1.6L+0.5Lr	Top	87.5074	73.3384	0.0014	0.0247	0.0046	143.5194	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6L+0.5Lr	Bottom	152.749	73.3384	0.0014	0.0247	0.0009	138.8333	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.6L+0.5G	Top	87.5044	73.3463	0.0014	0.0248	0.0046	143.5295	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6L+0.5G	Bottom	152.746	73.3463	0.0014	0.0248	0.0008	138.8536	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.6L+0.5Le	Top	87.5025	73.3512	0.0014	0.0248	0.0046	143.5357	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6L+0.5Le	Bottom	152.7442	73.3512	0.0014	0.0248	0.0008	138.8663	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.6Lr+1.0L	Top	87.5162	73.3178	0.0015	0.0246	0.0046	143.494	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6Lr+1.0L	Bottom	152.7579	73.3178	0.0015	0.0246	0.001	138.7797	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.6G+1.0L	Top	87.5066	73.3431	0.0014	0.0248	0.0046	143.5262	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6G+1.0L	Bottom	152.7483	73.3431	0.0014	0.0248	0.0009	138.8447	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.6Le+1.0L	Top	87.5006	73.3588	0.0014	0.0248	0.0046	143.5463	8	0.4	1.5	396	646	423	423	142	150	477	675	0.11
N+110.65	M5	1.2D+1.6Le+1.0L	Bottom	152.7422	73.3588	0.0014	0.0248	0.0008	138.8853	8	0.4	1.5	396	659	454	454	142	150	477	698	0.11
N+110.65	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	45.1184	47.6277	6.5364	0.225	0.0316	301.8907	8	0.4	1.5	396	637	181	396	142	150	477	655	0.07
N+110.65	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	110.3601	47.6277	6.5364	0.225	25.1909	168.6117	8	0.4	1.5	396	650	251	396	142	150	477	655	0.07
N+110.65	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	129.8707	194.377	6.5393	0.1751	0.0223	14.7579	8	0.4	1.5	396	654	448	448	142	150	477	694	0.28
N+110.65	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	195.1124	194.377	6.5393	0.1751	25.1924	446.4635	8	0.4	1.5	396	667	372	396	142	150	477	655	0.30
N+110.65	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	-49.4022	317.3998	2.0721	0.6233	0.0695	654.8715	8	0.4	1.5	396	618	373	396	142	150	477	655	0.48
N+110.65	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	15.8395	317.3998	2.0721	0.6233	8.0304	854.2589	8	0.4	1.5	396	631	298	396	142	150	477	655	0.48
N+110.65	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	224.3913	464.1491	2.0749	0.5734	0.0603	367.7387	8	0.4	1.5	396	673	9644	673	142	150	477	863	0.54
N+110.65	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	289.6329	464.1491	2.0749	0.5734	8.0319	1132.1107	8	0.4	1.5	396	686	364	396	142	150	477	655	0.71
N+110.65	M5	0.9D+1.0Ex+0.3Ey	Top	23.2372	65.9483	6.5368	0.2189	0.0304	266.0296	8	0.4	1.5	396	633	224	396	142	150	477	655	0.10
N+110.65	M5	0.9D+1.0Ex+0.3Ey	Bottom	72.1685	65.9483	6.5368	0.2189	25.1912	203.2846	8	0.4	1.5	396	643	273	396	142	150	477	655	0.10
N+110.65	M5	0.9D+1.0Ex+0.3Ey	Top	107.9895	176.0565	6.5389	0.1812	0.0234	50.619	8	0.4	1.5	396	650	694	650	142	150	477	845	0.21
N+110.65	M5	0.9D+1.0Ex+0.3Ey	Bottom	156.9208	176.0565	6.5389	0.1812	25.1922	411.7906	8	0.4	1.5	396	660	360	396	142	150	477	655	0.27
N+110.65	M5	0.9D+1.0Ey+0.3Ex	Top	-71.2833	335.7204	2.0725	0.6172	0.0684	619.0103	8	0.4	1.5	396	614	420	420	142	150	477	673	0.50
N+110.65	M5	0.9D+1.0Ey+0.3Ex	Bottom	-22.3521	335.7204	2.0725	0.6172	8.0306	888.9318	8	0.4	1.5	396	624	297	396	142	150	477	655	0.51
N+110.65	M5	0.9D+1.0Ey+0.3Ex	Top	202.5101	445.8286	2.0746	0.5795	0.0614	403.5998	8	0.4	1.5	396	669	2677	669	142	150	477	859	0.52
N+110.65	M5	0.9D+1.0Ey+0.3Ex	Bottom	251.4413	445.8286	2.0746	0.5795	8.0317	1097.4378	8	0.4	1.5	396	679	356	396	142	150	477	655	0.68
N+110.65	M6	1.4D	Top	111.5811	46.9746	0.0025	0.017	0.0031	100.2254	6	0.4	3	791	1279	2521	1279	142	150	954	1675	0.03
N+110.65	M6	1.4D	Bottom	263.8117	46.9746	0.0025	0.017	0.0067	80.6268	6	0.4	3	791	1309	7270	1309	142	150	954	1698	0.03
N+110.65	M6	1.2D+1.6L+0.5Lr	Top	95.6207	40.3424	0.002	0.0153	0.0026	86.0267	6	0.4	3	791	1276	2513	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6L+0.5Lr	Bottom	226.1041	40.3424	0.002	0.0153	0.005	69.2916	6	0.4	3	791	1302	7148	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.6L+0.5G	Top	95.6234	40.3181	0.002	0.0153	0.0026	86.0127	6	0.4	3	791	1276	2510	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6L+0.5G	Bottom	226.1068	40.3181	0.002	0.0153	0.0049	69.2121	6	0.4	3	791	1302	7178	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.6L+0.5Le	Top	95.6251	40.3029	0.002	0.0152	0.0026	86.0039	6	0.4	3	791	1276	2507	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6L+0.5Le	Bottom	226.1085	40.3029	0.002	0.0152	0.0049	69.1624	6	0.4	3	791	1302	7197	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.6Lr+1.0L	Top	95.6127	40.4538	0.0021	0.0156	0.0026	86.0634	6	0.4	3	791	1276	2531	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6Lr+1.0L	Bottom	226.096	40.4538	0.0021	0.0156	0.0053	69.6837	6	0.4	3	791	1302	6994	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.6G+1.0L	Top	95.6213	40.376	0.0021	0.0153	0.0026	86.0184	6	0.4	3	791	1276	2520	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6G+1.0L	Bottom	226.1047	40.376	0.0021	0.0153	0.0053	69.4293	6	0.4	3	791	1302	7086	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.6Le+1.0L	Top	95.6267	40.3274	0.002	0.0151	0.0026	85.9903	6	0.4	3	791	1276	2513	1276	142	150	954	1672	0.02
N+110.65	M6	1.2D+1.6Le+1.0L	Bottom	226.1101	40.3274	0.002	0.0151	0.0053	69.2702	6	0.4	3	791	1302	7144	1302	142	150	954	1692	0.02
N+110.65	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	58.1164	221.7846	13.2811	0.3441	0.1271	130.7051	6	0.4	3	791	1268	1331	1268	142	150	954	1667	0.13
N+110.65	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	188.5998	221.7846	13.2811	0.3441	51.0059	558.647	6	0.4	3	791	1294	1692	1294	142	150	954	1686	0.13
N+110.65	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	133.1478	141.227	13.2771	0.374	0.1324	302.6296	6	0.4	3	791	1283	2504	1283	142	150	954	1678	0.08
N+110.65	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	263.6311	141.227	13.2771	0.374	50.9954	420.4246	6	0.4	3	791	1309	1264	1264	142	150	954	1663	0.08
N+110.65	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	-25.5686	627.6465	4.4451	1.0014	0.1246	613.8042	6	0.4	3	791	1251	2418	1251	142	150	954	1654	0.38
N+110.65	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	104.9147	627.6465	4.4451	1.0014	16.9963	1653.8622	6	0.4	3	791	1278	1507	1278	142	150	954	1674	0.37
N+110.65	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	216.8328	547.0888	4.441	1.0313	0.1298	785.7288	6	0.4	3	791	1300	23282	1300	142	150	954	1691	0.32
N+110.65	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	347.3162	547.0888	4.441	1.0313	16.9859	1515.6399	6	0.4	3	791	1326	1463	1326	142	150	954	1710	0.32
N+110.65	M6	0.9D+1.0Ex+0.3Ey	Top	34.215	211.7037	13.2807	0.3481	0.1278	152.2368	6	0.4	3	791	1263	1576	1263	142	150	954	1663	0.13
N+110.65	M6	0.9D+1.0Ex+0.3Ey	Bottom	132.0776	211.7037	13.2807	0.3481	51.005	541.3673	6	0.4	3	791	1283	1613	1283	142	150	954	1678	0.13
N+110.65	M6	0.9D+1.0Ex+0.3Ey	Top	109.2464	151.3078	13.2775	0.37	0.1317	281.098	6	0.4	3	791	1278	4281	1278	142	150	954	1674	0.09
N+110.65	M6	0.9D+1.0Ex+0.3Ey	Bottom	207.1089	151.3078	13.2775	0.37	50.9963	437.7043	6	0.4	3	791	1298	1306	1298	142	150	954	1689	0.09
N+110.65	M6	0.9D+1.0Ey+0.3Ex	Top	-49.47	617.5656	4.4447	1.0054	0.1252	635.3359	6	0.4	3	791	1247	2680	1247	142	150	954	1651	0.37
N+110.65	M6	0.9D+1.0Ey+0.3Ex	Bottom	48.3925	617.5656	4.4447	1.0054	16.9954	1636.5826	6	0.4	3	791	1266	1467	1266	142	150	954	1665	0.37
N+110.65	M6	0.9D+1.0Ey+0.3Ex	Top	192.9314	557.1697	4.4414	1.0273	0.1292	764.1971	6	0.4	3	791	1295	11359	1295	142	150	954	1687	0.33
N+110.65	M6	0.9D+1.0Ey+0.3Ex	Bottom	290.7939	557.1697	4.4414	1.0273	16.9868	1532.9195	6	0.4	3	791	1315	1460	1315	142	150	954	1702	0.33
N+110.65	M7	1.4D	Top	123.787	39.1784	0.0032	0.0092	0.0468	68.7496	2	0.4	3	791	1281	5946	1281	142	150	954	1677	0.02
N+110.65	M7	1.4D	Bottom	276.0176	39.1784	0.0032	0.0092	0.0343	82.0873	2	0.4	3	791	1312	2801	1312	142	150	954	1699	0.02
N+110.65	M7	1.2D+1.6L+0.5Lr	Top	106.1096	33.4818	0.0031	0.0071	0.0401	58.8299	2	0.4	3	791	1278	5862	1278	142	150	954	1674	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M7	1.2D+1.6L+0.5Lr	Bottom	236.5929	33.4818	0.0031	0.0071	0.0282	70.0749	2	0.4	3	791	1304	2779	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.6L+0.5G	Top	106.1089	33.5061	0.0031	0.0072	0.0401	58.84	2	0.4	3	791	1278	5883	1278	142	150	954	1674	0.02
N+110.65	M7	1.2D+1.6L+0.5G	Bottom	236.5922	33.5061	0.0031	0.0072	0.028	70.1585	2	0.4	3	791	1304	2775	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.6L+0.5Le	Top	106.1084	33.5213	0.0032	0.0072	0.0401	58.8463	2	0.4	3	791	1278	5897	1278	142	150	954	1674	0.02
N+110.65	M7	1.2D+1.6L+0.5Le	Bottom	236.5918	33.5213	0.0032	0.0072	0.0279	70.2108	2	0.4	3	791	1304	2772	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.6Lr+1.0L	Top	106.1111	33.3781	0.0027	0.0068	0.04	58.8081	2	0.4	3	791	1278	5758	1278	142	150	954	1674	0.02
N+110.65	M7	1.2D+1.6Lr+1.0L	Bottom	236.5945	33.3781	0.0027	0.0068	0.0297	69.6978	2	0.4	3	791	1304	2800	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.6G+1.0L	Top	106.1089	33.456	0.0028	0.0071	0.04	58.8405	2	0.4	3	791	1278	5825	1278	142	150	954	1674	0.02
N+110.65	M7	1.2D+1.6G+1.0L	Bottom	236.5923	33.456	0.0028	0.0071	0.0291	69.9652	2	0.4	3	791	1304	2786	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.6Le+1.0L	Top	106.1076	33.5047	0.0029	0.0073	0.0401	58.8607	2	0.4	3	791	1278	5868	1278	142	150	954	1674	0.02
N+110.65	M7	1.2D+1.6Le+1.0L	Bottom	236.5909	33.5047	0.0029	0.0073	0.0287	70.1324	2	0.4	3	791	1304	2778	1304	142	150	954	1694	0.02
N+110.65	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	89.7055	189.4371	12.4217	0.8961	0.473	253.7116	2	0.4	3	791	1274	8723	1274	142	150	954	1672	0.11
N+110.65	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	220.1889	189.4371	12.4217	0.8961	47.5059	597.0092	2	0.4	3	791	1301	1142	1142	142	150	954	1572	0.12
N+110.65	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.5069	256.5439	12.4278	0.8811	0.3928	135.9496	2	0.4	3	791	1281	1267	1267	142	150	954	1666	0.15
N+110.65	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	252.9903	256.5439	12.4278	0.8811	47.4492	737.6083	2	0.4	3	791	1307	1336	1307	142	150	954	1696	0.15
N+110.65	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	68.7889	647.7637	4.2007	1.4589	0.3612	624.7528	2	0.4	3	791	1270	2436	1270	142	150	954	1668	0.39
N+110.65	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	199.2723	647.7637	4.2007	1.4589	16.14	1998.0522	2	0.4	3	791	1296	1174	1174	142	150	954	1596	0.41
N+110.65	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	143.4235	714.8704	4.2068	1.4439	0.281	506.9908	2	0.4	3	791	1285	1620	1285	142	150	954	1680	0.43
N+110.65	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	273.9068	714.8704	4.2068	1.4439	16.0832	2138.6513	2	0.4	3	791	1311	1257	1257	142	150	954	1658	0.43
N+110.65	M7	0.9D+1.0Ex+0.3Ey	Top	63.1767	197.8044	12.4227	0.8945	0.463	239.0268	2	0.4	3	791	1269	4659	1269	142	150	954	1668	0.12
N+110.65	M7	0.9D+1.0Ex+0.3Ey	Bottom	161.0392	197.8044	12.4227	0.8945	47.4996	614.5384	2	0.4	3	791	1289	1150	1150	142	150	954	1578	0.13
N+110.65	M7	0.9D+1.0Ex+0.3Ey	Top	95.9781	248.1766	12.4269	0.8827	0.4029	150.6344	2	0.4	3	791	1276	1382	1276	142	150	954	1672	0.15
N+110.65	M7	0.9D+1.0Ex+0.3Ey	Bottom	193.8406	248.1766	12.4269	0.8827	47.4555	720.0791	2	0.4	3	791	1295	1295	1295	142	150	954	1687	0.15
N+110.65	M7	0.9D+1.0Ey+0.3Ex	Top	42.2601	656.1309	4.2017	1.4573	0.3511	610.068	2	0.4	3	791	1265	2251	1265	142	150	954	1664	0.39
N+110.65	M7	0.9D+1.0Ey+0.3Ex	Bottom	140.1226	656.1309	4.2017	1.4573	16.1337	2015.5814	2	0.4	3	791	1285	1164	1164	142	150	954	1588	0.41
N+110.65	M7	0.9D+1.0Ey+0.3Ex	Top	116.8946	706.5032	4.2058	1.4455	0.291	521.6756	2	0.4	3	791	1280	1674	1280	142	150	954	1676	0.42
N+110.65	M7	0.9D+1.0Ey+0.3Ex	Bottom	214.7572	706.5032	4.2058	1.4455	16.0895	2121.1222	2	0.4	3	791	1299	1231	1231	142	150	954	1639	0.43
N+110.65	M8	1.4D	Top	89.4071	27.9023	0.5274	0.3959	1.5707	46.2154	1	0.4	3	791	1274	9438	1274	142	150	954	1671	0.02
N+110.65	M8	1.4D	Bottom	241.6377	27.9023	0.5274	0.3959	0.4596	61.2085	1	0.4	3	791	1305	2413	1305	142	150	954	1694	0.02
N+110.65	M8	1.2D+1.6L+0.5Lr	Top	76.6495	23.82	0.4484	0.3357	1.3395	39.4788	1	0.4	3	791	1272	9338	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6L+0.5Lr	Bottom	207.1329	23.82	0.4484	0.3357	0.3868	52.2282	1	0.4	3	791	1298	2392	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.6L+0.5G	Top	76.6479	23.8447	0.4488	0.3361	1.3403	39.493	1	0.4	3	791	1272	9403	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6L+0.5G	Bottom	207.1312	23.8447	0.4488	0.3361	0.3876	52.309	1	0.4	3	791	1298	2388	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.6L+0.5Le	Top	76.6468	23.8601	0.4491	0.3363	1.3407	39.5019	1	0.4	3	791	1272	9444	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6L+0.5Le	Bottom	207.1302	23.8601	0.4491	0.3363	0.3882	52.3595	1	0.4	3	791	1298	2386	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.6Lr+1.0L	Top	76.6537	23.7131	0.4474	0.3353	1.3378	39.4467	1	0.4	3	791	1272	8997	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6Lr+1.0L	Bottom	207.137	23.7131	0.4474	0.3353	0.3846	51.8486	1	0.4	3	791	1298	2411	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.6G+1.0L	Top	76.6483	23.7921	0.4487	0.3363	1.3402	39.4923	1	0.4	3	791	1272	9195	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6G+1.0L	Bottom	207.1317	23.7921	0.4487	0.3363	0.3873	52.1072	1	0.4	3	791	1298	2400	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.6Le+1.0L	Top	76.645	23.8414	0.4495	0.3369	1.3416	39.5207	1	0.4	3	791	1272	9322	1272	142	150	954	1670	0.01
N+110.65	M8	1.2D+1.6Le+1.0L	Bottom	207.1283	23.8414	0.4495	0.3369	0.389	52.2688	1	0.4	3	791	1298	2393	1298	142	150	954	1689	0.01
N+110.65	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	-59.2113	535.0132	15.9286	18.483	39.7868	608.5523	1	0.4	3	791	1245	3540	1245	142	150	954	1649	0.32
N+110.65	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	71.2721	535.0132	15.9286	18.483	29.1323	1538.7868	1	0.4	3	791	1271	1272	1271	142	150	954	1669	0.32
N+110.65	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	212.4945	582.7948	16.8293	17.808	37.1006	529.4539	1	0.4	3	791	1299	2300	1299	142	150	954	1690	0.34
N+110.65	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	342.9778	582.7948	16.8293	17.808	29.9136	1643.6476	1	0.4	3	791	1325	1415	1325	142	150	954	1710	0.34
N+110.65	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	-16.0099	675.9629	20.4225	17.9105	41.7631	832.8514	1	0.4	3	791	1253	4950	1253	142	150	954	1656	0.41
N+110.65	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	114.4735	675.9629	20.4225	17.9105	41.0405	1872.5593	1	0.4	3	791	1279	1375	1279	142	150	954	1675	0.40
N+110.65	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	169.2931	723.7445	21.3231	17.2354	39.0768	753.753	1	0.4	3	791	1290	2989	1290	142	150	954	1683	0.43
N+110.65	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	299.7765	723.7445	21.3231	17.2354	41.8218	1977.4201	1	0.4	3	791	1316	1482	1316	142	150	954	1703	0.42
N+110.65	M8	0.9D+1.0Ex+0.3Ey	Top	-78.3769	540.9668	16.0399	18.4	39.4534	598.713	1	0.4	3	791	1241	3222	1241	142	150	954	1646	0.33
N+110.65	M8	0.9D+1.0Ex+0.3Ey	Bottom	19.4856	540.9668	16.0399	18.4	29.2274	1551.8689	1	0.4	3	791	1260	1260	1260	142	150	954	1660	0.33
N+110.65	M8	0.9D+1.0Ex+0.3Ey	Top	193.3289	576.8412	16.718	17.891	37.434	539.2933	1	0.4	3	791	1295	2402	1295	142	150	954	1687	0.34
N+110.65	M8	0.9D+1.0Ex+0.3Ey	Bottom	291.1914	576.8412	16.718	17.891	29.8184	1630.5655	1	0.4	3	791	1315	1390	1315	142	150	954	1702	0.34
N+110.65	M8	0.9D+1.0Ey+0.3Ex	Top	-35.1755	681.9165	20.5338	17.8275	41.4297	823.0121	1	0.4	3	791	1249	4473	1249	142	150	954	1653	0.41
N+110.65	M8	0.9D+1.0Ey+0.3Ex	Bottom	62.687	681.9165	20.5338	17.8275	41.1357	1885.6414	1	0.4	3	791	1269	1360	1269	142	150	954	1667	0.41
N+110.65	M8	0.9D+1.0Ey+0.3Ex	Top	150.1275	717.7909	21.2118	17.3185	39.4102	763.5923	1	0.4	3	791	1287	3133	1287	142	150	954	1681	0.43
N+110.65	M8	0.9D+1.0Ey+0.3Ex	Bottom	247.99	717.7909	21.2118	17.3185	41.7267	1964.338	1	0.4	3	791	1306	1458	1306	142	150	954	1695	0.42
N+110.65	M9	1.4D	Top	88.7945	32.0094	0.6484	0.5013	1.7974	50.1933	1	0.4	3	791	1274	21366	1274	142	150	954	1671	0.02
N+110.65	M9	1.4D	Bottom	241.0251	32.0094	0.6484	0.5013	0.6988	73.0428	1	0.4	3	791	1305	2166	1305	142	150	954	1694	0.02
N+110.65	M9	1.2D+1.6L+0.5Lr	Top	76.0873	27.5432	0.5579	0.4335	1.5471	43.1236	1	0.4	3	791	1272	22048	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6L+0.5Lr	Bottom	206.5707	27.5432	0.5579	0.4335	0.601	62.9176	1	0.4	3	791	1298	2139	1298	142	150	954	1689	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M9	1.2D+1.6L+0.5G	Top	76.09	27.5333	0.5572	0.4331	1.5463	43.1138	1	0.4	3	791	1272	21980	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6L+0.5G	Bottom	206.5733	27.5333	0.5572	0.4331	0.599	62.8894	1	0.4	3	791	1298	2140	1298	142	150	954	1689	0.02
N+110.65	M9	1.2D+1.6L+0.5Le	Top	76.0916	27.5271	0.5568	0.4329	1.5458	43.1076	1	0.4	3	791	1272	21938	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6L+0.5Le	Bottom	206.575	27.5271	0.5568	0.4329	0.5978	62.8717	1	0.4	3	791	1298	2140	1298	142	150	954	1689	0.02
N+110.65	M9	1.2D+1.6Lr+1.0L	Top	76.0802	27.5606	0.5613	0.434	1.5493	43.1429	1	0.4	3	791	1272	22144	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6Lr+1.0L	Bottom	206.5636	27.5606	0.5613	0.434	0.6115	62.9653	1	0.4	3	791	1298	2138	1298	142	150	954	1689	0.02
N+110.65	M9	1.2D+1.6G+1.0L	Top	76.0888	27.5289	0.559	0.4329	1.5468	43.1114	1	0.4	3	791	1272	21926	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6G+1.0L	Bottom	206.5721	27.5289	0.559	0.4329	0.6053	62.8749	1	0.4	3	791	1298	2140	1298	142	150	954	1689	0.02
N+110.65	M9	1.2D+1.6Le+1.0L	Top	76.0941	27.5091	0.5575	0.4322	1.5451	43.0917	1	0.4	3	791	1272	21792	1272	142	150	954	1669	0.02
N+110.65	M9	1.2D+1.6Le+1.0L	Bottom	206.5774	27.5091	0.5575	0.4322	0.6014	62.8184	1	0.4	3	791	1298	2141	1298	142	150	954	1689	0.02
N+110.65	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	-9.4195	715.8535	20.8856	15.8034	37.868	839.3669	1	0.4	3	791	1255	4017	1255	142	150	954	1657	0.43
N+110.65	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	121.0639	715.8535	20.8856	15.8034	41.528	2020.8192	1	0.4	3	791	1281	1332	1281	142	150	954	1676	0.43
N+110.65	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	161.6183	770.8321	19.7733	16.6665	40.9551	753.2229	1	0.4	3	791	1289	2586	1289	142	150	954	1682	0.46
N+110.65	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	292.1016	770.8321	19.7733	16.6665	40.333	2146.3428	1	0.4	3	791	1315	1429	1315	142	150	954	1702	0.45
N+110.65	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	-57.2658	582.7372	16.4473	18.6784	37.6319	652.0686	1	0.4	3	791	1245	3359	1245	142	150	954	1649	0.35
N+110.65	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	73.2175	582.7372	16.4473	18.6784	29.4032	1683.693	1	0.4	3	791	1271	1263	1263	142	150	954	1663	0.35
N+110.65	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	209.4647	637.7158	15.3351	19.5415	40.719	565.9247	1	0.4	3	791	1298	2211	1298	142	150	954	1689	0.38
N+110.65	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	339.948	637.7158	15.3351	19.5415	28.2082	1809.2166	1	0.4	3	791	1325	1399	1325	142	150	954	1709	0.37
N+110.65	M9	0.9D+1.0Ex+0.3Ey	Top	-28.4367	722.7654	20.7462	15.9127	38.2561	828.562	1	0.4	3	791	1251	3677	1251	142	150	954	1654	0.44
N+110.65	M9	0.9D+1.0Ex+0.3Ey	Bottom	69.4259	722.7654	20.7462	15.9127	41.3797	2036.6249	1	0.4	3	791	1270	1317	1270	142	150	954	1668	0.43
N+110.65	M9	0.9D+1.0Ex+0.3Ey	Top	142.6011	763.9203	19.9126	16.5572	40.567	764.0278	1	0.4	3	791	1285	2697	1285	142	150	954	1679	0.45
N+110.65	M9	0.9D+1.0Ex+0.3Ey	Bottom	240.4636	763.9203	19.9126	16.5572	40.4813	2130.5371	1	0.4	3	791	1305	1405	1305	142	150	954	1694	0.45
N+110.65	M9	0.9D+1.0Ey+0.3Ex	Top	-76.283	589.649	16.308	18.7877	38.02	641.2638	1	0.4	3	791	1241	3063	1241	142	150	954	1647	0.36
N+110.65	M9	0.9D+1.0Ey+0.3Ex	Bottom	21.5795	589.649	16.308	18.7877	29.2549	1699.4987	1	0.4	3	791	1261	1250	1250	142	150	954	1653	0.36
N+110.65	M9	0.9D+1.0Ey+0.3Ex	Top	190.4474	630.8039	15.4744	19.4322	40.3309	576.7295	1	0.4	3	791	1295	2307	1295	142	150	954	1687	0.37
N+110.65	M9	0.9D+1.0Ey+0.3Ex	Bottom	288.31	630.8039	15.4744	19.4322	28.3565	1793.4109	1	0.4	3	791	1314	1375	1314	142	150	954	1701	0.37
N+110.65	M10	1.4D	Top	123.8423	45.0548	0.0105	0.0267	0.0476	72.5146	5	0.4	3	791	1281	13529	1281	142	150	954	1677	0.03
N+110.65	M10	1.4D	Bottom	276.0729	45.0548	0.0105	0.0267	0.0881	100.9464	5	0.4	3	791	1312	2297	1312	142	150	954	1699	0.03
N+110.65	M10	1.2D+1.6L+0.5Lr	Top	106.1473	38.6653	0.0111	0.0237	0.0407	62.1942	5	0.4	3	791	1278	13566	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6L+0.5Lr	Bottom	236.6306	38.6653	0.0111	0.0237	0.0836	86.6672	5	0.4	3	791	1304	2269	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.6L+0.5G	Top	106.1475	38.6592	0.0114	0.0236	0.0407	62.1916	5	0.4	3	791	1278	13544	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6L+0.5G	Bottom	236.6308	38.6592	0.0114	0.0236	0.0847	86.6463	5	0.4	3	791	1304	2269	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.6L+0.5Le	Top	106.1476	38.6554	0.0116	0.0236	0.0407	62.19	5	0.4	3	791	1278	13529	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6L+0.5Le	Bottom	236.631	38.6554	0.0116	0.0236	0.0854	86.6332	5	0.4	3	791	1304	2270	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.6Lr+1.0L	Top	106.1473	38.6831	0.0086	0.0239	0.0408	62.1948	5	0.4	3	791	1278	13656	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6Lr+1.0L	Bottom	236.6307	38.6831	0.0086	0.0239	0.0741	86.7352	5	0.4	3	791	1304	2267	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.6G+1.0L	Top	106.148	38.6636	0.0096	0.0236	0.0408	62.1864	5	0.4	3	791	1278	13583	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6G+1.0L	Bottom	236.6313	38.6636	0.0096	0.0236	0.0777	86.6683	5	0.4	3	791	1304	2268	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.6Le+1.0L	Top	106.1484	38.6513	0.0102	0.0234	0.0407	62.1812	5	0.4	3	791	1278	13536	1278	142	150	954	1674	0.02
N+110.65	M10	1.2D+1.6Le+1.0L	Bottom	236.6317	38.6513	0.0102	0.0234	0.0799	86.6265	5	0.4	3	791	1304	2269	1304	142	150	954	1694	0.02
N+110.65	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	66.9074	703.5616	4.5979	0.8166	0.3461	649.3749	5	0.4	3	791	1270	2243	1270	142	150	954	1668	0.42
N+110.65	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	197.3907	703.5616	4.5979	0.8166	17.2902	2192.4447	5	0.4	3	791	1296	1155	1155	142	150	954	1582	0.44
N+110.65	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	145.3902	780.8398	4.6194	0.8631	0.4276	525.023	5	0.4	3	791	1286	1539	1286	142	150	954	1680	0.46
N+110.65	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	275.8736	780.8398	4.6194	0.8631	17.4544	2365.614	5	0.4	3	791	1312	1232	1232	142	150	954	1640	0.48
N+110.65	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	86.3989	251.7865	13.6236	1.487	0.4379	306.3823	5	0.4	3	791	1274	4844	1274	142	150	954	1671	0.15
N+110.65	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	216.8822	251.7865	13.6236	1.487	51.9365	791.3164	5	0.4	3	791	1300	1146	1146	142	150	954	1575	0.16
N+110.65	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	125.8987	329.0648	13.6451	1.5335	0.5193	182.0304	5	0.4	3	791	1282	1306	1282	142	150	954	1677	0.20
N+110.65	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	256.3821	329.0648	13.6451	1.5335	52.1008	964.4857	5	0.4	3	791	1308	1294	1294	142	150	954	1686	0.20
N+110.65	M10	0.9D+1.0Ex+0.3Ey	Top	40.3715	713.2369	4.6018	0.8227	0.3563	633.8154	5	0.4	3	791	1265	2083	1265	142	150	954	1664	0.43
N+110.65	M10	0.9D+1.0Ex+0.3Ey	Bottom	138.234	713.2369	4.6018	0.8227	17.3156	2214.1352	5	0.4	3	791	1284	1144	1144	142	150	954	1574	0.45
N+110.65	M10	0.9D+1.0Ex+0.3Ey	Top	118.8543	771.1645	4.6154	0.857	0.4174	540.5824	5	0.4	3	791	1280	1586	1280	142	150	954	1676	0.46
N+110.65	M10	0.9D+1.0Ex+0.3Ey	Bottom	216.7169	771.1645	4.6154	0.857	17.4289	2343.9235	5	0.4	3	791	1300	1207	1207	142	150	954	1621	0.48
N+110.65	M10	0.9D+1.0Ey+0.3Ex	Top	59.863	261.4618	13.6276	1.4931	0.448	290.8228	5	0.4	3	791	1268	3442	1268	142	150	954	1667	0.16
N+110.65	M10	0.9D+1.0Ey+0.3Ex	Bottom	157.7255	261.4618	13.6276	1.4931	51.962	813.0069	5	0.4	3	791	1288	1147	1147	142	150	954	1576	0.17
N+110.65	M10	0.9D+1.0Ey+0.3Ex	Top	99.3628	319.3894	13.6411	1.5274	0.5092	197.5898	5	0.4	3	791	1276	1406	1276	142	150	954	1673	0.19
N+110.65	M10	0.9D+1.0Ey+0.3Ex	Bottom	197.2254	319.3894	13.6411	1.5274	52.0753	942.7952	5	0.4	3	791	1296	1260	1260	142	150	954	1660	0.19
N+110.65	M11	1.4D	Top	142.2663	0.6594	0.0176	0.0072	0.0018	1.66	7	0.4	3	791	1285	1672	1285	142	150	954	1679	0.00
N+110.65	M11	1.4D	Bottom	294.4969	0.6594	0.0176	0.0072	0.0695	0.8789	7	0.4	3	791	1315	8967	1315	142	150	954	1702	0.00
N+110.65	M11	1.2D+1.6L+0.5Lr	Top	121.9425	0.6003	0.0171	0.0069	0.0015	1.45	7	0.4	3	791	1281	1822	1281	142	150	954	1676	0.00
N+110.65	M11	1.2D+1.6L+0.5Lr	Bottom	252.4258	0.6003	0.0171	0.0069	0.0673	0.8612	7	0.4	3	791	1307	22973	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.6L+0.5G	Top	121.9425	0.5947	0.0173	0.0068	0.0015	1.4481	7	0.4	3	791	1281	1788	1281	142	150	954	1676	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M11	1.2D+1.6L+0.5G	Bottom	252.4258	0.5947	0.0173	0.0068	0.0682	0.8415	7	0.4	3	791	1307	17618	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.6L+0.5Le	Top	121.9425	0.5912	0.0175	0.0068	0.0015	1.4469	7	0.4	3	791	1281	1768	1281	142	150	954	1676	0.00
N+110.65	M11	1.2D+1.6L+0.5Le	Bottom	252.4258	0.5912	0.0175	0.0068	0.0688	0.8292	7	0.4	3	791	1307	15341	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.6Lr+1.0L	Top	121.9425	0.6197	0.0149	0.0071	0.0015	1.4509	7	0.4	3	791	1281	1962	1281	142	150	954	1676	0.00
N+110.65	M11	1.2D+1.6Lr+1.0L	Bottom	252.4259	0.6197	0.0149	0.0071	0.059	0.9348	7	0.4	3	791	1307	179331	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.6G+1.0L	Top	121.9425	0.6017	0.0157	0.0068	0.0015	1.4448	7	0.4	3	791	1281	1847	1281	142	150	954	1676	0.00
N+110.65	M11	1.2D+1.6G+1.0L	Bottom	252.4259	0.6017	0.0157	0.0068	0.062	0.8718	7	0.4	3	791	1307	29457	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.6Le+1.0L	Top	121.9425	0.5905	0.0162	0.0067	0.0015	1.441	7	0.4	3	791	1281	1780	1281	142	150	954	1676	0.00
N+110.65	M11	1.2D+1.6Le+1.0L	Bottom	252.4259	0.5905	0.0162	0.0067	0.0638	0.8324	7	0.4	3	791	1307	16561	1307	142	150	954	1696	0.00
N+110.65	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.718	600.4965	4.2809	0.3976	0.0503	462.7276	7	0.4	3	791	1281	1761	1281	142	150	954	1676	0.36
N+110.65	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	251.2014	600.4965	4.2809	0.3976	16.4522	1864.5768	7	0.4	3	791	1307	1178	1178	142	150	954	1599	0.38
N+110.65	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	123.167	601.6551	4.3143	0.4106	0.0533	459.8534	7	0.4	3	791	1281	1745	1281	142	150	954	1677	0.36
N+110.65	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	253.6504	601.6551	4.3143	0.4106	16.5836	1866.1629	7	0.4	3	791	1307	1180	1180	142	150	954	1601	0.38
N+110.65	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	121.467	220.8752	13.9318	0.9628	0.0961	176.8432	7	0.4	3	791	1281	1847	1281	142	150	954	1676	0.13
N+110.65	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	251.9503	220.8752	13.9318	0.9628	53.548	682.1173	7	0.4	3	791	1307	1188	1188	142	150	954	1607	0.14
N+110.65	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	122.418	222.0337	13.9652	0.9758	0.0991	173.9689	7	0.4	3	791	1281	1798	1281	142	150	954	1676	0.13
N+110.65	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	252.9014	222.0337	13.9652	0.9758	53.6794	683.7034	7	0.4	3	791	1307	1194	1194	142	150	954	1611	0.14
N+110.65	M11	0.9D+1.0Ex+0.3Ey	Top	90.2324	600.6519	4.2863	0.3994	0.0506	462.3576	7	0.4	3	791	1275	1739	1275	142	150	954	1672	0.36
N+110.65	M11	0.9D+1.0Ex+0.3Ey	Bottom	188.0949	600.6519	4.2863	0.3994	16.4732	1864.8048	7	0.4	3	791	1294	1159	1159	142	150	954	1585	0.38
N+110.65	M11	0.9D+1.0Ex+0.3Ey	Top	92.6814	601.4997	4.3089	0.4087	0.0529	460.2234	7	0.4	3	791	1275	1728	1275	142	150	954	1672	0.36
N+110.65	M11	0.9D+1.0Ex+0.3Ey	Bottom	190.544	601.4997	4.3089	0.4087	16.5625	1865.9348	7	0.4	3	791	1295	1161	1161	142	150	954	1587	0.38
N+110.65	M11	0.9D+1.0Ey+0.3Ex	Top	90.9814	221.0305	13.9372	0.9647	0.0965	176.4732	7	0.4	3	791	1275	1820	1275	142	150	954	1672	0.13
N+110.65	M11	0.9D+1.0Ey+0.3Ex	Bottom	188.8439	221.0305	13.9372	0.9647	53.569	682.3454	7	0.4	3	791	1294	1169	1169	142	150	954	1593	0.14
N+110.65	M11	0.9D+1.0Ey+0.3Ex	Top	91.9324	221.8784	13.9598	0.974	0.0987	174.3389	7	0.4	3	791	1275	1784	1275	142	150	954	1672	0.13
N+110.65	M11	0.9D+1.0Ey+0.3Ex	Bottom	189.795	221.8784	13.9598	0.974	53.6583	683.4753	7	0.4	3	791	1294	1174	1174	142	150	954	1596	0.14
N+110.65	M12	1.4D	Top	151.1079	25.3365	0.0165	0.0138	0.0004	40.7762	3	0.4	3	791	1287	13659	1287	142	150	954	1681	0.02
N+110.65	M12	1.4D	Bottom	303.3385	25.3365	0.0165	0.0138	0.0638	56.7694	3	0.4	3	791	1317	2314	1317	142	150	954	1704	0.01
N+110.65	M12	1.2D+1.6L+0.5Lr	Top	129.5205	21.7494	0.0159	0.0126	0.0003	34.9759	3	0.4	3	791	1282	13719	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6L+0.5Lr	Bottom	260.0039	21.7494	0.0159	0.0126	0.0615	48.7594	3	0.4	3	791	1309	2283	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.6L+0.5G	Top	129.5206	21.7439	0.0161	0.0125	0.0003	34.9742	3	0.4	3	791	1282	13678	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6L+0.5G	Bottom	260.0039	21.7439	0.0161	0.0125	0.0623	48.74	3	0.4	3	791	1309	2284	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.6L+0.5Le	Top	129.5206	21.7405	0.0162	0.0124	0.0003	34.9731	3	0.4	3	791	1282	13653	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6L+0.5Le	Bottom	260.004	21.7405	0.0162	0.0124	0.0628	48.7278	3	0.4	3	791	1309	2284	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.6Lr+1.0L	Top	129.5205	21.7692	0.0141	0.0128	0.0003	34.9768	3	0.4	3	791	1282	13899	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6Lr+1.0L	Bottom	260.0039	21.7692	0.0141	0.0128	0.0545	48.8347	3	0.4	3	791	1309	2279	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.6G+1.0L	Top	129.5206	21.7516	0.0147	0.0125	0.0003	34.9712	3	0.4	3	791	1282	13766	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6G+1.0L	Bottom	260.004	21.7516	0.0147	0.0125	0.057	48.7724	3	0.4	3	791	1309	2282	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.6Le+1.0L	Top	129.5207	21.7406	0.0151	0.0124	0.0003	34.9676	3	0.4	3	791	1282	13686	1282	142	150	954	1677	0.01
N+110.65	M12	1.2D+1.6Le+1.0L	Bottom	260.0041	21.7406	0.0151	0.0124	0.0585	48.7335	3	0.4	3	791	1309	2284	1309	142	150	954	1697	0.01
N+110.65	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.7173	532.7042	4.1406	0.3686	0.0098	457.8724	3	0.4	3	791	1281	2038	1281	142	150	954	1676	0.32
N+110.65	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	251.2006	532.7042	4.1406	0.3686	15.9384	1677.1746	3	0.4	3	791	1307	1153	1153	142	150	954	1580	0.34
N+110.65	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	138.3243	576.1633	4.1716	0.393	0.0104	387.9441	3	0.4	3	791	1284	1536	1284	142	150	954	1679	0.34
N+110.65	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	268.8076	576.1633	4.1716	0.393	16.0585	1774.5639	3	0.4	3	791	1310	1198	1198	142	150	954	1614	0.36
N+110.65	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	126.1854	182.7883	13.516	0.9283	0.0161	195.8073	3	0.4	3	791	1282	3165	1282	142	150	954	1677	0.11
N+110.65	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	256.6687	182.7883	13.516	0.9283	52.0228	584.2865	3	0.4	3	791	1308	1128	1128	142	150	954	1562	0.12
N+110.65	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	132.8562	226.2473	13.5471	0.9526	0.0167	125.8791	3	0.4	3	791	1283	1314	1283	142	150	954	1678	0.13
N+110.65	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	263.3395	226.2473	13.5471	0.9526	52.1429	681.6757	3	0.4	3	791	1309	1239	1239	142	150	954	1645	0.14
N+110.65	M12	0.9D+1.0Ex+0.3Ey	Top	88.3373	538.146	4.1455	0.3719	0.0099	449.1215	3	0.4	3	791	1274	1929	1274	142	150	954	1671	0.32
N+110.65	M12	0.9D+1.0Ex+0.3Ey	Bottom	186.1998	538.146	4.1455	0.3719	15.9574	1689.3746	3	0.4	3	791	1294	1139	1139	142	150	954	1570	0.34
N+110.65	M12	0.9D+1.0Ex+0.3Ey	Top	105.9443	570.7215	4.1667	0.3897	0.0103	396.695	3	0.4	3	791	1278	1565	1278	142	150	954	1674	0.34
N+110.65	M12	0.9D+1.0Ex+0.3Ey	Bottom	203.8068	570.7215	4.1667	0.3897	16.0395	1762.3639	3	0.4	3	791	1297	1173	1173	142	150	954	1596	0.36
N+110.65	M12	0.9D+1.0Ey+0.3Ex	Top	93.8054	188.23	13.521	0.9316	0.0161	187.0565	3	0.4	3	791	1275	2614	1275	142	150	954	1672	0.11
N+110.65	M12	0.9D+1.0Ey+0.3Ex	Bottom	191.6679	188.23	13.521	0.9316	52.0418	596.4864	3	0.4	3	791	1295	1124	1124	142	150	954	1559	0.12
N+110.65	M12	0.9D+1.0Ey+0.3Ex	Top	100.4762	220.8056	13.5422	0.9493	0.0166	134.6299	3	0.4	3	791	1277	1390	1277	142	150	954	1673	0.13
N+110.65	M12	0.9D+1.0Ey+0.3Ex	Bottom	198.3387	220.8056	13.5422	0.9493	52.1239	669.4757	3	0.4	3	791	1296	1206	1206	142	150	954	1620	0.14
N+110.65	M13	1.4D	Top	142.0292	47.1316	0.0159	0.0067	0.0022	78.4102	9	0.4	3	791	1285	9181	1285	142	150	954	1679	0.03
N+110.65	M13	1.4D	Bottom	294.2598	47.1316	0.0159	0.0067	0.0634	103.0466	9	0.4	3	791	1315	2473	1315	142	150	954	1702	0.03
N+110.65	M13	1.2D+1.6L+0.5Lr	Top	121.7407	40.3626	0.0151	0.005	0.0019	67.1807	9	0.4	3	791	1281	9079	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6L+0.5Lr	Bottom	252.2241	40.3626	0.0151	0.005	0.06	88.2152	9	0.4	3	791	1307	2446	1307	142	150	954	1696	0.02
N+110.65	M13	1.2D+1.6L+0.5G	Top	121.7406	40.3682	0.0152	0.0051	0.0019	67.1827	9	0.4	3	791	1281	9089	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6L+0.5G	Bottom	252.224	40.3682	0.0152	0.0051	0.0606	88.235	9	0.4	3	791	1307	2445	1307	142	150	954	1696	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M13	1.2D+1.6L+0.5Le	Top	121.7406	40.3717	0.0153	0.0051	0.0019	67.1839	9	0.4	3	791	1281	9095	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6L+0.5Le	Bottom	252.2239	40.3717	0.0153	0.0051	0.061	88.2473	9	0.4	3	791	1307	2445	1307	142	150	954	1696	0.02
N+110.65	M13	1.2D+1.6Lr+1.0L	Top	121.7408	40.3433	0.0136	0.0048	0.0019	67.1798	9	0.4	3	791	1281	9037	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6Lr+1.0L	Bottom	252.2241	40.3433	0.0136	0.0048	0.0544	88.142	9	0.4	3	791	1307	2448	1307	142	150	954	1696	0.02
N+110.65	M13	1.2D+1.6G+1.0L	Top	121.7404	40.3614	0.0141	0.0051	0.0019	67.1861	9	0.4	3	791	1281	9069	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6G+1.0L	Bottom	252.2238	40.3614	0.0141	0.0051	0.0563	88.2053	9	0.4	3	791	1307	2446	1307	142	150	954	1696	0.02
N+110.65	M13	1.2D+1.6Le+1.0L	Top	121.7402	40.3727	0.0144	0.0052	0.0019	67.1901	9	0.4	3	791	1281	9089	1281	142	150	954	1676	0.02
N+110.65	M13	1.2D+1.6Le+1.0L	Bottom	252.2236	40.3727	0.0144	0.0052	0.0575	88.2449	9	0.4	3	791	1307	2445	1307	142	150	954	1696	0.02
N+110.65	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	97.2527	652.6072	4.0084	0.4012	0.0363	409.6275	9	0.4	3	791	1276	1421	1276	142	150	954	1673	0.39
N+110.65	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	227.7361	652.6072	4.0084	0.4012	15.4126	1980.8788	9	0.4	3	791	1302	1213	1213	142	150	954	1626	0.40
N+110.65	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	146.2273	571.8392	4.0379	0.3904	0.0402	544.0156	9	0.4	3	791	1286	2440	1286	142	150	954	1680	0.34
N+110.65	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	276.7107	571.8392	4.0379	0.3904	15.53	1804.3099	9	0.4	3	791	1312	1156	1156	142	150	954	1583	0.36
N+110.65	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	112.4296	267.7273	12.9942	0.9348	0.0848	114.221	9	0.4	3	791	1279	1118	1118	142	150	954	1554	0.17
N+110.65	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	242.913	267.7273	12.9942	0.9348	49.9474	787.5851	9	0.4	3	791	1305	1282	1282	142	150	954	1677	0.16
N+110.65	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	131.0504	186.9593	13.0237	0.9241	0.0886	248.609	9	0.4	3	791	1283	8337	1283	142	150	954	1678	0.11
N+110.65	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	261.5338	186.9593	13.0237	0.9241	50.0649	611.0163	9	0.4	3	791	1309	1093	1093	142	150	954	1536	0.12
N+110.65	M13	0.9D+1.0Ex+0.3Ey	Top	66.8172	642.5221	4.0129	0.4001	0.0368	426.415	9	0.4	3	791	1270	1475	1270	142	150	954	1668	0.39
N+110.65	M13	0.9D+1.0Ex+0.3Ey	Bottom	164.6797	642.5221	4.0129	0.4001	15.4305	1958.8386	9	0.4	3	791	1289	1185	1185	142	150	954	1605	0.40
N+110.65	M13	0.9D+1.0Ex+0.3Ey	Top	115.7917	581.9243	4.0333	0.3915	0.0397	527.2281	9	0.4	3	791	1280	2211	1280	142	150	954	1675	0.35
N+110.65	M13	0.9D+1.0Ex+0.3Ey	Bottom	213.6543	581.9243	4.0333	0.3915	15.512	1826.3501	9	0.4	3	791	1299	1147	1147	142	150	954	1576	0.37
N+110.65	M13	0.9D+1.0Ey+0.3Ex	Top	81.9941	257.6422	12.9987	0.9337	0.0853	131.0084	9	0.4	3	791	1273	1215	1215	142	150	954	1627	0.16
N+110.65	M13	0.9D+1.0Ey+0.3Ex	Bottom	179.8566	257.6422	12.9987	0.9337	49.9654	765.5449	9	0.4	3	791	1292	1240	1240	142	150	954	1646	0.16
N+110.65	M13	0.9D+1.0Ey+0.3Ex	Top	100.6149	197.0444	13.0192	0.9252	0.0882	231.8216	9	0.4	3	791	1277	4232	1277	142	150	954	1673	0.12
N+110.65	M13	0.9D+1.0Ey+0.3Ex	Bottom	198.4774	197.0444	13.0192	0.9252	50.0469	633.0565	9	0.4	3	791	1296	1103	1103	142	150	954	1543	0.13
N+110.65	M14	1.4D	Top	115.4266	22.1833	0.0086	0.0063	0.0462	35.9345	4	0.4	3	791	1280	12340	1280	142	150	954	1675	0.01
N+110.65	M14	1.4D	Bottom	267.6572	22.1833	0.0086	0.0063	0.0795	49.4711	4	0.4	3	791	1310	2321	1310	142	150	954	1698	0.01
N+110.65	M14	1.2D+1.6L+0.5Lr	Top	98.9382	18.9685	0.0087	0.0047	0.0396	30.7651	4	0.4	3	791	1276	12075	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6L+0.5Lr	Bottom	229.4216	18.9685	0.0087	0.0047	0.073	42.2636	4	0.4	3	791	1302	2301	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.6L+0.5G	Top	98.9381	18.9745	0.0088	0.0047	0.0396	30.7677	4	0.4	3	791	1276	12112	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6L+0.5G	Bottom	229.4215	18.9745	0.0088	0.0047	0.0735	42.2843	4	0.4	3	791	1302	2300	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.6L+0.5Le	Top	98.938	18.9783	0.0089	0.0048	0.0396	30.7693	4	0.4	3	791	1276	12135	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6L+0.5Le	Bottom	229.4214	18.9783	0.0089	0.0048	0.0738	42.2972	4	0.4	3	791	1302	2300	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.6Lr+1.0L	Top	98.9383	18.9506	0.0075	0.0045	0.0396	30.7634	4	0.4	3	791	1276	11936	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6Lr+1.0L	Bottom	229.4217	18.9506	0.0075	0.0045	0.0685	42.1963	4	0.4	3	791	1302	2306	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.6G+1.0L	Top	98.938	18.9699	0.0079	0.0047	0.0396	30.7718	4	0.4	3	791	1276	12052	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6G+1.0L	Bottom	229.4214	18.9699	0.0079	0.0047	0.07	42.2625	4	0.4	3	791	1302	2302	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.6Le+1.0L	Top	98.9378	18.9821	0.0081	0.0049	0.0396	30.777	4	0.4	3	791	1276	12127	1276	142	150	954	1673	0.01
N+110.65	M14	1.2D+1.6Le+1.0L	Bottom	229.4212	18.9821	0.0081	0.0049	0.0709	42.3039	4	0.4	3	791	1302	2300	1302	142	150	954	1692	0.01
N+110.65	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	74.6116	806.8097	4.181	0.6293	0.3281	595.045	4	0.4	3	791	1271	1645	1271	142	150	954	1669	0.48
N+110.65	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	205.0949	806.8097	4.181	0.6293	15.705	2457.3504	4	0.4	3	791	1298	1200	1200	142	150	954	1615	0.50
N+110.65	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	123.2637	768.8214	4.1977	0.6193	0.4073	656.6094	4	0.4	3	791	1281	2020	1281	142	150	954	1677	0.46
N+110.65	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	253.7471	768.8214	4.1977	0.6193	15.8487	2372.6599	4	0.4	3	791	1307	1190	1190	142	150	954	1608	0.48
N+110.65	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	88.8249	302.3861	12.1052	0.7565	0.3849	192.1233	4	0.4	3	791	1274	1431	1274	142	150	954	1671	0.18
N+110.65	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	219.3083	302.3861	12.1052	0.7565	46.1463	913.9997	4	0.4	3	791	1300	1219	1219	142	150	954	1630	0.19
N+110.65	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	109.0503	264.3978	12.1219	0.7465	0.4641	253.6878	4	0.4	3	791	1278	2447	1278	142	150	954	1674	0.16
N+110.65	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	239.5337	264.3978	12.1219	0.7465	46.29	829.3091	4	0.4	3	791	1304	1156	1156	142	150	954	1583	0.17
N+110.65	M14	0.9D+1.0Ex+0.3Ey	Top	49.8767	802.0762	4.1838	0.6283	0.338	602.7264	4	0.4	3	791	1266	1664	1266	142	150	954	1666	0.48
N+110.65	M14	0.9D+1.0Ex+0.3Ey	Bottom	147.7392	802.0762	4.1838	0.6283	15.7257	2446.8081	4	0.4	3	791	1286	1179	1179	142	150	954	1600	0.50
N+110.65	M14	0.9D+1.0Ex+0.3Ey	Top	98.5289	773.5549	4.1949	0.6203	0.3974	648.928	4	0.4	3	791	1276	1951	1276	142	150	954	1673	0.46
N+110.65	M14	0.9D+1.0Ex+0.3Ey	Bottom	196.3914	773.5549	4.1949	0.6203	15.828	2383.2023	4	0.4	3	791	1296	1175	1175	142	150	954	1597	0.48
N+110.65	M14	0.9D+1.0Ey+0.3Ex	Top	64.0901	297.6526	12.108	0.7555	0.3948	199.8048	4	0.4	3	791	1269	1489	1269	142	150	954	1668	0.18
N+110.65	M14	0.9D+1.0Ey+0.3Ex	Bottom	161.9526	297.6526	12.108	0.7555	46.167	903.4573	4	0.4	3	791	1289	1193	1193	142	150	954	1610	0.18
N+110.65	M14	0.9D+1.0Ey+0.3Ex	Top	84.3155	269.1312	12.1191	0.7475	0.4542	246.0063	4	0.4	3	791	1273	2219	1273	142	150	954	1671	0.16
N+110.65	M14	0.9D+1.0Ey+0.3Ex	Bottom	182.178	269.1312	12.1191	0.7475	46.2693	839.8515	4	0.4	3	791	1293	1148	1148	142	150	954	1577	0.17
N+110.65	M15	1.4D	Top	88.7176	30.0154	0.6093	0.4584	1.7184	48.1783	1	0.4	3	791	1274	13919	1274	142	150	954	1671	0.02
N+110.65	M15	1.4D	Bottom	240.9482	30.0154	0.6093	0.4584	0.6275	67.3811	1	0.4	3	791	1305	2262	1305	142	150	954	1694	0.02
N+110.65	M15	1.2D+1.6L+0.5Lr	Top	76.0442	25.7058	0.5207	0.3918	1.4715	41.2631	1	0.4	3	791	1272	13850	1272	142	150	954	1669	0.02
N+110.65	M15	1.2D+1.6L+0.5Lr	Bottom	206.5275	25.7058	0.5207	0.3918	0.5331	57.7043	1	0.4	3	791	1298	2240	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.6L+0.5G	Top	76.0444	25.7111	0.5206	0.3919	1.4715	41.2649	1	0.4	3	791	1272	13884	1272	142	150	954	1669	0.02
N+110.65	M15	1.2D+1.6L+0.5G	Bottom	206.5277	25.7111	0.5206	0.3919	0.5327	57.7227	1	0.4	3	791	1298	2240	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.6L+0.5Le	Top	76.0445	25.7144	0.5205	0.392	1.4715	41.266	1	0.4	3	791	1272	13905	1272	142	150	954	1669	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M15	1.2D+1.6L+0.5Le	Bottom	206.5278	25.7144	0.5205	0.392	0.5325	57.7342	1	0.4	3	791	1298	2239	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.6Lr+1.0L	Top	76.0429	25.6836	0.5218	0.3918	1.4719	41.2649	1	0.4	3	791	1272	13664	1272	142	150	954	1669	0.02
N+110.65	M15	1.2D+1.6Lr+1.0L	Bottom	206.5262	25.6836	0.5218	0.3918	0.5369	57.617	1	0.4	3	791	1298	2244	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.6G+1.0L	Top	76.0435	25.7004	0.5215	0.392	1.472	41.2707	1	0.4	3	791	1272	13769	1272	142	150	954	1669	0.02
N+110.65	M15	1.2D+1.6G+1.0L	Bottom	206.5268	25.7004	0.5215	0.392	0.5358	57.6758	1	0.4	3	791	1298	2242	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.6Le+1.0L	Top	76.0439	25.7109	0.5213	0.3922	1.472	41.2743	1	0.4	3	791	1272	13835	1272	142	150	954	1669	0.02
N+110.65	M15	1.2D+1.6Le+1.0L	Bottom	206.5272	25.7109	0.5213	0.3922	0.5351	57.7125	1	0.4	3	791	1298	2241	1298	142	150	954	1689	0.02
N+110.65	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	-1.2581	728.8026	19.6128	14.8207	34.9988	711.2561	1	0.4	3	791	1256	2430	1256	142	150	954	1658	0.44
N+110.65	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	129.2253	728.8026	19.6128	14.8207	40.2716	2030.8109	1	0.4	3	791	1282	1366	1282	142	150	954	1677	0.43
N+110.65	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	153.3466	677.36	18.5705	14.036	37.9429	793.8118	1	0.4	3	791	1287	4247	1287	142	150	954	1681	0.40
N+110.65	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	283.8299	677.36	18.5705	14.036	39.2029	1915.3124	1	0.4	3	791	1313	1387	1313	142	150	954	1701	0.40
N+110.65	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	-31.103	492.2689	12.4157	13.7113	28.2908	406.0032	1	0.4	3	791	1250	1813	1250	142	150	954	1653	0.30
N+110.65	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	99.3804	492.2689	12.4157	13.7113	25.4676	1415.1872	1	0.4	3	791	1276	1283	1276	142	150	954	1673	0.29
N+110.65	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	183.1914	440.8263	11.3734	12.9266	31.2348	488.5589	1	0.4	3	791	1293	3556	1293	142	150	954	1686	0.26
N+110.65	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	313.6748	440.8263	11.3734	12.9266	24.3988	1299.6886	1	0.4	3	791	1319	1301	1301	142	150	954	1691	0.26
N+110.65	M15	0.9D+1.0Ex+0.3Ey	Top	-20.2696	722.3769	19.4834	14.7231	35.3662	721.5622	1	0.4	3	791	1252	2534	1252	142	150	954	1655	0.44
N+110.65	M15	0.9D+1.0Ex+0.3Ey	Bottom	77.5929	722.3769	19.4834	14.7231	40.1406	2016.3781	1	0.4	3	791	1272	1343	1272	142	150	954	1670	0.43
N+110.65	M15	0.9D+1.0Ex+0.3Ey	Top	134.335	683.7857	18.7	14.1337	37.5755	783.5057	1	0.4	3	791	1283	3891	1283	142	150	954	1678	0.41
N+110.65	M15	0.9D+1.0Ex+0.3Ey	Bottom	232.1976	683.7857	18.7	14.1337	39.3339	1929.7452	1	0.4	3	791	1303	1373	1303	142	150	954	1693	0.40
N+110.65	M15	0.9D+1.0Ey+0.3Ex	Top	-50.1145	485.8432	12.2862	13.6137	28.6581	416.3093	1	0.4	3	791	1246	1901	1246	142	150	954	1651	0.29
N+110.65	M15	0.9D+1.0Ey+0.3Ex	Bottom	47.748	485.8432	12.2862	13.6137	25.3366	1400.7544	1	0.4	3	791	1266	1259	1259	142	150	954	1660	0.29
N+110.65	M15	0.9D+1.0Ey+0.3Ex	Top	164.1799	447.252	11.5028	13.0243	30.8674	478.2528	1	0.4	3	791	1289	3192	1289	142	150	954	1683	0.27
N+110.65	M15	0.9D+1.0Ey+0.3Ex	Bottom	262.0425	447.252	11.5028	13.0243	24.5298	1314.1215	1	0.4	3	791	1309	1291	1291	142	150	954	1684	0.27
N+110.65	M16	1.4D	Top	89.3034	29.4772	0.5674	0.4305	1.6348	47.5179	1	0.4	3	791	1274	13078	1274	142	150	954	1671	0.02
N+110.65	M16	1.4D	Bottom	241.534	29.4772	0.5674	0.4305	0.5498	65.9695	1	0.4	3	791	1305	2282	1305	142	150	954	1694	0.02
N+110.65	M16	1.2D+1.6L+0.5Lr	Top	76.5393	25.3031	0.4866	0.3703	1.4023	40.7354	1	0.4	3	791	1272	13271	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6L+0.5Lr	Bottom	207.0227	25.3031	0.4866	0.3703	0.471	56.6815	1	0.4	3	791	1298	2253	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.6L+0.5G	Top	76.5397	25.3069	0.4865	0.3702	1.4023	40.7361	1	0.4	3	791	1272	13296	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6L+0.5G	Bottom	207.023	25.3069	0.4865	0.3702	0.4706	56.6956	1	0.4	3	791	1298	2253	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.6L+0.5Le	Top	76.5399	25.3093	0.4864	0.3701	1.4022	40.7365	1	0.4	3	791	1272	13313	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6L+0.5Le	Bottom	207.0233	25.3093	0.4864	0.3701	0.4704	56.7045	1	0.4	3	791	1298	2252	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.6Lr+1.0L	Top	76.5396	25.267	0.4872	0.3704	1.4023	40.7294	1	0.4	3	791	1272	13031	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6Lr+1.0L	Bottom	207.023	25.267	0.4872	0.3704	0.4733	56.5485	1	0.4	3	791	1298	2259	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.6G+1.0L	Top	76.5408	25.2793	0.4868	0.3701	1.4021	40.7315	1	0.4	3	791	1272	13111	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6G+1.0L	Bottom	207.0241	25.2793	0.4868	0.3701	0.4721	56.5938	1	0.4	3	791	1298	2257	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.6Le+1.0L	Top	76.5415	25.287	0.4866	0.3699	1.402	40.7328	1	0.4	3	791	1272	13162	1272	142	150	954	1670	0.02
N+110.65	M16	1.2D+1.6Le+1.0L	Bottom	207.0249	25.287	0.4866	0.3699	0.4713	56.622	1	0.4	3	791	1298	2256	1298	142	150	954	1689	0.01
N+110.65	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	-52.2197	492.0371	15.6408	15.9699	34.2982	561.1694	1	0.4	3	791	1246	3581	1246	142	150	954	1650	0.30
N+110.65	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	78.2637	492.0371	15.6408	15.9699	28.0328	1423.4292	1	0.4	3	791	1272	1262	1262	142	150	954	1662	0.30
N+110.65	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	205.3041	542.6264	14.6681	16.7092	37.1019	479.7011	1	0.4	3	791	1298	2194	1298	142	150	954	1689	0.32
N+110.65	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	335.7875	542.6264	14.6681	16.7092	27.0917	1536.7298	1	0.4	3	791	1324	1402	1324	142	150	954	1708	0.32
N+110.65	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	9.6649	528.0934	17.2329	11.4173	29.7399	670.5311	1	0.4	3	791	1258	5850	1258	142	150	954	1660	0.32
N+110.65	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	140.1482	528.0934	17.2329	11.4173	35.3674	1469.0275	1	0.4	3	791	1285	1374	1285	142	150	954	1679	0.31
N+110.65	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	143.4196	578.6828	16.2602	12.1566	32.5436	589.0628	1	0.4	3	791	1285	2806	1285	142	150	954	1680	0.34
N+110.65	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	273.903	578.6828	16.2602	12.1566	34.4263	1582.3281	1	0.4	3	791	1311	1470	1311	142	150	954	1699	0.34
N+110.65	M16	0.9D+1.0Ex+0.3Ey	Top	-71.3526	498.3821	15.5192	16.0628	34.6491	550.9825	1	0.4	3	791	1242	3220	1242	142	150	954	1647	0.30
N+110.65	M16	0.9D+1.0Ex+0.3Ey	Bottom	26.5099	498.3821	15.5192	16.0628	27.9157	1437.6705	1	0.4	3	791	1262	1250	1250	142	150	954	1653	0.30
N+110.65	M16	0.9D+1.0Ex+0.3Ey	Top	186.1712	536.2814	14.7896	16.6164	36.751	489.8881	1	0.4	3	791	1294	2300	1294	142	150	954	1686	0.32
N+110.65	M16	0.9D+1.0Ex+0.3Ey	Bottom	284.0337	536.2814	14.7896	16.6164	27.2088	1522.4885	1	0.4	3	791	1313	1377	1313	142	150	954	1701	0.32
N+110.65	M16	0.9D+1.0Ey+0.3Ex	Top	-9.468	534.4384	17.1113	11.5102	30.0908	660.3441	1	0.4	3	791	1255	5030	1255	142	150	954	1657	0.32
N+110.65	M16	0.9D+1.0Ey+0.3Ex	Bottom	88.3945	534.4384	17.1113	11.5102	35.2503	1483.2688	1	0.4	3	791	1274	1361	1274	142	150	954	1671	0.32
N+110.65	M16	0.9D+1.0Ey+0.3Ex	Top	124.2867	572.3378	16.3818	12.0637	32.1927	599.2497	1	0.4	3	791	1281	2981	1281	142	150	954	1677	0.34
N+110.65	M16	0.9D+1.0Ey+0.3Ex	Bottom	222.1492	572.3378	16.3818	12.0637	34.5434	1568.0868	1	0.4	3	791	1301	1445	1301	142	150	954	1691	0.34
N+110.65	M17	1.4D	Top	123.7124	42.6099	0.0011	0.0123	0.046	69.7423	2	0.4	3	791	1281	10875	1281	142	150	954	1677	0.03
N+110.65	M17	1.4D	Bottom	275.943	42.6099	0.0011	0.0123	0.0417	94.3058	2	0.4	3	791	1312	2376	1312	142	150	954	1699	0.03
N+110.65	M17	1.2D+1.6L+0.5Lr	Top	106.0397	36.5302	0.0005	0.0113	0.0394	59.7652	2	0.4	3	791	1278	10869	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6L+0.5Lr	Bottom	236.5231	36.5302	0.0005	0.0113	0.0374	80.8761	2	0.4	3	791	1304	2347	1304	142	150	954	1694	0.02
N+110.65	M17	1.2D+1.6L+0.5G	Top	106.0396	36.535	0.0005	0.0112	0.0394	59.7669	2	0.4	3	791	1278	10882	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6L+0.5G	Bottom	236.523	36.535	0.0005	0.0112	0.0376	80.8928	2	0.4	3	791	1304	2347	1304	142	150	954	1694	0.02
N+110.65	M17	1.2D+1.6L+0.5Le	Top	106.0395	36.538	0.0004	0.0111	0.0394	59.7681	2	0.4	3	791	1278	10890	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6L+0.5Le	Bottom	236.5229	36.538	0.0004	0.0111	0.0377	80.9033	2	0.4	3	791	1304	2346	1304	142	150	954	1694	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M17	1.2D+1.6Lr+1.0L	Top	106.0402	36.4996	0.0009	0.0114	0.0394	59.76	2	0.4	3	791	1278	10774	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6Lr+1.0L	Bottom	236.5235	36.4996	0.0009	0.0114	0.0358	80.7634	2	0.4	3	791	1304	2351	1304	142	150	954	1694	0.02
N+110.65	M17	1.2D+1.6G+1.0L	Top	106.0398	36.515	0.0008	0.0112	0.0394	59.7657	2	0.4	3	791	1278	10815	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6G+1.0L	Bottom	236.5232	36.515	0.0008	0.0112	0.0363	80.8169	2	0.4	3	791	1304	2349	1304	142	150	954	1694	0.02
N+110.65	M17	1.2D+1.6Le+1.0L	Top	106.0396	36.5246	0.0007	0.011	0.0394	59.7693	2	0.4	3	791	1278	10840	1278	142	150	954	1674	0.02
N+110.65	M17	1.2D+1.6Le+1.0L	Bottom	236.5229	36.5246	0.0007	0.011	0.0367	80.8502	2	0.4	3	791	1304	2348	1304	142	150	954	1694	0.02
N+110.65	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	91.9041	151.0849	12.6693	0.7008	0.4028	225.2297	2	0.4	3	791	1275	155457	1275	142	150	954	1672	0.09
N+110.65	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	222.3874	151.0849	12.6693	0.7008	48.3048	479.0302	2	0.4	3	791	1301	1132	1132	142	150	954	1565	0.10
N+110.65	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.1746	224.1532	12.6681	0.7225	0.4816	105.6839	2	0.4	3	791	1281	1181	1181	142	150	954	1601	0.14
N+110.65	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	250.658	224.1532	12.6681	0.7225	48.3788	640.7975	2	0.4	3	791	1307	1349	1307	142	150	954	1696	0.13
N+110.65	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	76.0417	531.5113	5.0102	0.8786	0.2884	533.7172	2	0.4	3	791	1272	2657	1272	142	150	954	1669	0.32
N+110.65	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	206.5251	531.5113	5.0102	0.8786	18.9517	1641.5717	2	0.4	3	791	1298	1174	1174	142	150	954	1596	0.33
N+110.65	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	136.037	604.5796	5.0089	0.9003	0.3672	414.1714	2	0.4	3	791	1284	1561	1284	142	150	954	1678	0.36
N+110.65	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	266.5203	604.5796	5.0089	0.9003	19.0258	1803.339	2	0.4	3	791	1310	1261	1261	142	150	954	1661	0.36
N+110.65	M17	0.9D+1.0Ex+0.3Ey	Top	65.3941	160.227	12.6694	0.7037	0.4126	210.2911	2	0.4	3	791	1270	7379	1270	142	150	954	1668	0.10
N+110.65	M17	0.9D+1.0Ex+0.3Ey	Bottom	163.2566	160.227	12.6694	0.7037	48.315	499.2887	2	0.4	3	791	1289	1145	1145	142	150	954	1574	0.10
N+110.65	M17	0.9D+1.0Ex+0.3Ey	Top	93.6647	215.0111	12.668	0.7195	0.4718	120.6225	2	0.4	3	791	1275	1302	1275	142	150	954	1672	0.13
N+110.65	M17	0.9D+1.0Ex+0.3Ey	Bottom	191.5272	215.0111	12.668	0.7195	48.3686	620.539	2	0.4	3	791	1295	1306	1295	142	150	954	1687	0.13
N+110.65	M17	0.9D+1.0Ey+0.3Ex	Top	49.5318	540.6534	5.0103	0.8815	0.2983	518.7786	2	0.4	3	791	1266	2395	1266	142	150	954	1665	0.32
N+110.65	M17	0.9D+1.0Ey+0.3Ex	Bottom	147.3943	540.6534	5.0103	0.8815	18.9619	1661.8302	2	0.4	3	791	1286	1165	1165	142	150	954	1589	0.34
N+110.65	M17	0.9D+1.0Ey+0.3Ex	Top	109.527	595.4375	5.0088	0.8973	0.3574	429.11	2	0.4	3	791	1278	1626	1278	142	150	954	1674	0.36
N+110.65	M17	0.9D+1.0Ey+0.3Ex	Bottom	207.3896	595.4375	5.0088	0.8973	19.0155	1783.0805	2	0.4	3	791	1298	1233	1233	142	150	954	1641	0.36
N+110.65	M18	1.4D	Top	114.7565	61.2768	0.0024	0.0066	0.0017	99.2645	6	0.4	3	791	1279	12333	1279	142	150	954	1675	0.04
N+110.65	M18	1.4D	Bottom	266.9871	61.2768	0.0024	0.0066	0.0109	136.6513	6	0.4	3	791	1310	2321	1310	142	150	954	1698	0.04
N+110.65	M18	1.2D+1.6L+0.5Lr	Top	98.3609	52.5181	0.0023	0.0064	0.0015	85.1016	6	0.4	3	791	1276	12218	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6L+0.5Lr	Bottom	228.8442	52.5181	0.0023	0.0064	0.0102	117.0932	6	0.4	3	791	1302	2297	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.6L+0.5G	Top	98.3611	52.5132	0.0023	0.0063	0.0015	85.0994	6	0.4	3	791	1276	12207	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6L+0.5G	Bottom	228.8445	52.5132	0.0023	0.0063	0.0102	117.0763	6	0.4	3	791	1302	2297	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.6L+0.5Le	Top	98.3613	52.5101	0.0023	0.0062	0.0015	85.098	6	0.4	3	791	1276	12200	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6L+0.5Le	Bottom	228.8447	52.5101	0.0023	0.0062	0.0102	117.0658	6	0.4	3	791	1302	2297	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.6Lr+1.0L	Top	98.36	52.5487	0.0022	0.0066	0.0015	85.1077	6	0.4	3	791	1276	12301	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6Lr+1.0L	Bottom	228.8433	52.5487	0.0022	0.0066	0.0098	117.2047	6	0.4	3	791	1302	2295	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.6G+1.0L	Top	98.3608	52.5328	0.0022	0.0063	0.0015	85.1007	6	0.4	3	791	1276	12265	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6G+1.0L	Bottom	228.8442	52.5328	0.0022	0.0063	0.0098	117.1507	6	0.4	3	791	1302	2296	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.6Le+1.0L	Top	98.3614	52.5229	0.0022	0.0061	0.0015	85.0962	6	0.4	3	791	1276	12243	1276	142	150	954	1673	0.03
N+110.65	M18	1.2D+1.6Le+1.0L	Bottom	228.8448	52.5229	0.0022	0.0061	0.0099	117.1169	6	0.4	3	791	1302	2296	1302	142	150	954	1692	0.03
N+110.65	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	78.3998	240.4972	13.2749	0.3196	0.0845	87.3683	6	0.4	3	791	1272	1029	1029	142	150	954	1487	0.16
N+110.65	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	208.8831	240.4972	13.2749	0.3196	51.0311	671.2555	6	0.4	3	791	1298	1392	1298	142	150	954	1689	0.14
N+110.65	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	118.3241	135.4712	13.2793	0.3316	0.0874	257.552	6	0.4	3	791	1280	3855	1280	142	150	954	1676	0.08
N+110.65	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	248.8075	135.4712	13.2793	0.3316	51.0509	437.0892	6	0.4	3	791	1306	1111	1111	142	150	954	1549	0.09
N+110.65	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	33.9648	659.4031	4.4622	0.9116	0.0379	471.2929	6	0.4	3	791	1263	1566	1263	142	150	954	1663	0.40
N+110.65	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	164.4482	659.4031	4.4622	0.9116	17.1639	1906.5339	6	0.4	3	791	1289	1293	1289	142	150	954	1683	0.39
N+110.65	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	162.7591	554.3771	4.4666	0.9236	0.0409	641.4766	6	0.4	3	791	1289	4067	1289	142	150	954	1682	0.33
N+110.65	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	293.2424	554.3771	4.4666	0.9236	17.1837	1672.3676	6	0.4	3	791	1315	1246	1246	142	150	954	1650	0.34
N+110.65	M18	0.9D+1.0Ex+0.3Ey	Top	53.8099	227.3764	13.2755	0.3214	0.0848	108.6473	6	0.4	3	791	1267	1158	1158	142	150	954	1585	0.14
N+110.65	M18	0.9D+1.0Ex+0.3Ey	Bottom	151.6724	227.3764	13.2755	0.3214	51.034	642.0196	6	0.4	3	791	1287	1342	1287	142	150	954	1681	0.14
N+110.65	M18	0.9D+1.0Ex+0.3Ey	Top	93.7342	148.592	13.2786	0.3298	0.0871	236.273	6	0.4	3	791	1275	16231	1275	142	150	954	1672	0.09
N+110.65	M18	0.9D+1.0Ex+0.3Ey	Bottom	191.5967	148.592	13.2786	0.3298	51.048	466.3251	6	0.4	3	791	1295	1141	1141	142	150	954	1571	0.09
N+110.65	M18	0.9D+1.0Ey+0.3Ex	Top	9.3749	646.2823	4.4628	0.9134	0.0383	492.5719	6	0.4	3	791	1258	1666	1258	142	150	954	1659	0.39
N+110.65	M18	0.9D+1.0Ey+0.3Ex	Bottom	107.2374	646.2823	4.4628	0.9134	17.1668	1877.298	6	0.4	3	791	1278	1263	1263	142	150	954	1663	0.39
N+110.65	M18	0.9D+1.0Ey+0.3Ex	Top	138.1692	567.4978	4.4659	0.9218	0.0405	620.1976	6	0.4	3	791	1284	3359	1284	142	150	954	1679	0.34
N+110.65	M18	0.9D+1.0Ey+0.3Ex	Bottom	236.0317	567.4978	4.4659	0.9218	17.1809	1701.6035	6	0.4	3	791	1304	1240	1240	142	150	954	1646	0.34
N+110.65	M19	1.4D	Top	98.7527	11.2069	0.0014	0.0067	0.0002	22.4022	2	0.4	3	791	1276	3126	1276	142	150	954	1673	0.01
N+110.65	M19	1.4D	Bottom	250.9833	11.2069	0.0014	0.0067	0.0055	20.7445	2	0.4	3	791	1307	4553	1307	142	150	954	1696	0.01
N+110.65	M19	1.2D+1.6L+0.5Lr	Top	84.6459	9.6054	0.0012	0.0065	0.0002	19.1805	2	0.4	3	791	1273	3124	1273	142	150	954	1671	0.01
N+110.65	M19	1.2D+1.6L+0.5Lr	Bottom	215.1293	9.6054	0.0012	0.0065	0.005	17.8003	2	0.4	3	791	1300	4478	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.6L+0.5G	Top	84.6457	9.6106	0.0012	0.0064	0.0002	19.1831	2	0.4	3	791	1273	3129	1273	142	150	954	1671	0.01
N+110.65	M19	1.2D+1.6L+0.5G	Bottom	215.1291	9.6106	0.0012	0.0064	0.0049	17.8176	2	0.4	3	791	1300	4469	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.6L+0.5Le	Top	84.6457	9.6138	0.0012	0.0064	0.0002	19.1847	2	0.4	3	791	1273	3132	1273	142	150	954	1671	0.01
N+110.65	M19	1.2D+1.6L+0.5Le	Bottom	215.129	9.6138	0.0012	0.0064	0.0048	17.8284	2	0.4	3	791	1300	4463	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.6Lr+1.0L	Top	84.6465	9.5757	0.0013	0.0067	0.0002	19.1734	2	0.4	3	791	1273	3093	1273	142	150	954	1671	0.01

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M19	1.2D+1.6Lr+1.0L	Bottom	215.1298	9.5757	0.0013	0.0067	0.0054	17.693	2	0.4	3	791	1300	4545	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.6G+1.0L	Top	84.646	9.5922	0.0013	0.0064	0.0002	19.1817	2	0.4	3	791	1273	3108	1273	142	150	954	1671	0.01
N+110.65	M19	1.2D+1.6G+1.0L	Bottom	215.1294	9.5922	0.0013	0.0064	0.0051	17.7483	2	0.4	3	791	1300	4513	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.6Le+1.0L	Top	84.6457	9.6025	0.0012	0.0063	0.0002	19.187	2	0.4	3	791	1273	3117	1273	142	150	954	1671	0.01
N+110.65	M19	1.2D+1.6Le+1.0L	Bottom	215.1291	9.6025	0.0012	0.0063	0.0049	17.7828	2	0.4	3	791	1300	4494	1300	142	150	954	1690	0.01
N+110.65	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	75.3177	210.9023	13.2174	0.3083	0.0146	224.5973	2	0.4	3	791	1272	3059	1272	142	150	954	1669	0.13
N+110.65	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	205.801	210.9023	13.2174	0.3083	50.8745	627.9131	2	0.4	3	791	1298	1245	1245	142	150	954	1649	0.13
N+110.65	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	93.9732	230.128	13.2198	0.3205	0.015	186.2129	2	0.4	3	791	1275	1854	1275	142	150	954	1672	0.14
N+110.65	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	224.4565	230.128	13.2198	0.3205	50.8841	663.5479	2	0.4	3	791	1301	1320	1301	142	150	954	1692	0.14
N+110.65	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	54.5647	703.1931	4.1584	0.9134	0.0076	681.9041	2	0.4	3	791	1267	2450	1267	142	150	954	1666	0.42
N+110.65	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	185.0481	703.1931	4.1584	0.9134	16.0085	2070.6476	2	0.4	3	791	1294	1261	1261	142	150	954	1661	0.42
N+110.65	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	114.7261	722.4189	4.1608	0.9256	0.0079	643.5197	2	0.4	3	791	1279	2149	1279	142	150	954	1675	0.43
N+110.65	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	245.2095	722.4189	4.1608	0.9256	16.0181	2106.2823	2	0.4	3	791	1306	1302	1302	142	150	954	1692	0.43
N+110.65	M19	0.9D+1.0Ex+0.3Ey	Top	54.1561	213.3107	13.2177	0.3101	0.0147	219.8065	2	0.4	3	791	1267	2796	1267	142	150	954	1666	0.13
N+110.65	M19	0.9D+1.0Ex+0.3Ey	Bottom	152.0187	213.3107	13.2177	0.3101	50.8757	632.3947	2	0.4	3	791	1287	1236	1236	142	150	954	1642	0.13
N+110.65	M19	0.9D+1.0Ex+0.3Ey	Top	72.8116	227.7196	13.2195	0.3187	0.015	191.0037	2	0.4	3	791	1271	1932	1271	142	150	954	1669	0.14
N+110.65	M19	0.9D+1.0Ex+0.3Ey	Bottom	170.6742	227.7196	13.2195	0.3187	50.8829	659.0662	2	0.4	3	791	1291	1293	1291	142	150	954	1684	0.14
N+110.65	M19	0.9D+1.0Ey+0.3Ex	Top	33.4032	705.6015	4.1587	0.9152	0.0076	677.1133	2	0.4	3	791	1263	2381	1263	142	150	954	1663	0.42
N+110.65	M19	0.9D+1.0Ey+0.3Ex	Bottom	131.2657	705.6015	4.1587	0.9152	16.0097	2075.1292	2	0.4	3	791	1283	1245	1245	142	150	954	1650	0.43
N+110.65	M19	0.9D+1.0Ey+0.3Ex	Top	93.5646	720.0104	4.1605	0.9238	0.0079	648.3105	2	0.4	3	791	1275	2171	1275	142	150	954	1672	0.43
N+110.65	M19	0.9D+1.0Ey+0.3Ex	Bottom	191.4271	720.0104	4.1605	0.9238	16.0169	2101.8007	2	0.4	3	791	1295	1281	1281	142	150	954	1677	0.43
N+110.65	M20	1.4D	Top	98.6061	15.1088	0.0008	0.0068	0.0002	25.4814	2	0.4	3	791	1276	7971	1276	142	150	954	1673	0.01
N+110.65	M20	1.4D	Bottom	250.8367	15.1088	0.0008	0.0068	0.0031	32.6875	2	0.4	3	791	1307	2518	1307	142	150	954	1696	0.01
N+110.65	M20	1.2D+1.6L+0.5Lr	Top	84.5188	12.9509	0.0005	0.0065	0.0002	21.8626	2	0.4	3	791	1273	7870	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6L+0.5Lr	Bottom	215.0022	12.9509	0.0005	0.0065	0.0022	27.9985	2	0.4	3	791	1300	2498	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.6L+0.5G	Top	84.519	12.9458	0.0005	0.0065	0.0002	21.86	2	0.4	3	791	1273	7851	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6L+0.5G	Bottom	215.0023	12.9458	0.0005	0.0065	0.002	27.9813	2	0.4	3	791	1300	2500	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.6L+0.5Le	Top	84.5191	12.9425	0.0004	0.0064	0.0002	21.8583	2	0.4	3	791	1273	7839	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6L+0.5Le	Bottom	215.0024	12.9425	0.0004	0.0064	0.0018	27.9705	2	0.4	3	791	1300	2501	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.6Lr+1.0L	Top	84.5182	12.9807	0.0009	0.0067	0.0002	21.8697	2	0.4	3	791	1273	8008	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6Lr+1.0L	Bottom	215.0016	12.9807	0.0009	0.0067	0.0035	28.1059	2	0.4	3	791	1300	2487	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.6G+1.0L	Top	84.5187	12.9642	0.0007	0.0065	0.0002	21.8614	2	0.4	3	791	1273	7945	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6G+1.0L	Bottom	215.0021	12.9642	0.0007	0.0065	0.0029	28.0506	2	0.4	3	791	1300	2492	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.6Le+1.0L	Top	84.519	12.9538	0.0006	0.0063	0.0002	21.8561	2	0.4	3	791	1273	7906	1273	142	150	954	1671	0.01
N+110.65	M20	1.2D+1.6Le+1.0L	Bottom	215.0024	12.9538	0.0006	0.0063	0.0025	28.0161	2	0.4	3	791	1300	2495	1300	142	150	954	1690	0.01
N+110.65	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	75.2108	233.4321	13.2183	0.3096	0.0146	183.4785	2	0.4	3	791	1272	1773	1272	142	150	954	1669	0.14
N+110.65	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	205.6942	233.4321	13.2183	0.3096	50.8779	673.6721	2	0.4	3	791	1298	1311	1298	142	150	954	1689	0.14
N+110.65	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	93.8278	207.5451	13.2193	0.3219	0.015	227.1803	2	0.4	3	791	1275	3322	1275	142	150	954	1672	0.12
N+110.65	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	224.3111	207.5451	13.2193	0.3219	50.882	617.7091	2	0.4	3	791	1301	1251	1251	142	150	954	1654	0.13
N+110.65	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	54.4444	725.7415	4.1606	0.9138	0.0075	640.8383	2	0.4	3	791	1267	2072	1267	142	150	954	1666	0.44
N+110.65	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	184.9278	725.7415	4.1606	0.9138	16.0168	2116.4344	2	0.4	3	791	1294	1281	1281	142	150	954	1677	0.43
N+110.65	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	114.5942	699.8545	4.1615	0.9261	0.0079	684.5401	2	0.4	3	791	1279	2548	1279	142	150	954	1675	0.42
N+110.65	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	245.0776	699.8545	4.1615	0.9261	16.021	2060.4714	2	0.4	3	791	1306	1281	1281	142	150	954	1676	0.42
N+110.65	M20	0.9D+1.0Ex+0.3Ey	Top	54.0812	230.2014	13.2183	0.3114	0.0147	188.9485	2	0.4	3	791	1267	1861	1267	142	150	954	1666	0.14
N+110.65	M20	0.9D+1.0Ex+0.3Ey	Bottom	151.9437	230.2014	13.2183	0.3114	50.878	666.7041	2	0.4	3	791	1287	1285	1285	142	150	954	1679	0.14
N+110.65	M20	0.9D+1.0Ex+0.3Ey	Top	72.6981	210.7758	13.2193	0.3201	0.0149	221.7103	2	0.4	3	791	1271	2961	1271	142	150	954	1669	0.13
N+110.65	M20	0.9D+1.0Ex+0.3Ey	Bottom	170.5606	210.7758	13.2193	0.3201	50.882	624.6772	2	0.4	3	791	1291	1242	1242	142	150	954	1648	0.13
N+110.65	M20	0.9D+1.0Ey+0.3Ex	Top	33.3147	722.5108	4.1606	0.9155	0.0076	646.3082	2	0.4	3	791	1263	2100	1263	142	150	954	1663	0.43
N+110.65	M20	0.9D+1.0Ey+0.3Ex	Bottom	131.1773	722.5108	4.1606	0.9155	16.0169	2109.4663	2	0.4	3	791	1283	1260	1260	142	150	954	1661	0.43
N+110.65	M20	0.9D+1.0Ey+0.3Ex	Top	93.4645	703.0852	4.1615	0.9243	0.0078	679.0701	2	0.4	3	791	1275	2465	1275	142	150	954	1672	0.42
N+110.65	M20	0.9D+1.0Ey+0.3Ex	Bottom	191.3271	703.0852	4.1615	0.9243	16.0209	2067.4395	2	0.4	3	791	1295	1266	1266	142	150	954	1665	0.42
N+110.65	M21	1.4D	Top	115.0612	57.8217	0.0007	0.0069	0.0018	96.6749	6	0.4	3	791	1280	8673	1280	142	150	954	1675	0.03
N+110.65	M21	1.4D	Bottom	267.2918	57.8217	0.0007	0.0069	0.0045	125.9386	6	0.4	3	791	1310	2481	1310	142	150	954	1698	0.03
N+110.65	M21	1.2D+1.6L+0.5Lr	Top	98.6257	49.5663	0.0003	0.0067	0.0015	82.8465	6	0.4	3	791	1276	8653	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6L+0.5Lr	Bottom	229.1091	49.5663	0.0003	0.0067	0.0027	107.9837	6	0.4	3	791	1302	2452	1302	142	150	954	1692	0.03
N+110.65	M21	1.2D+1.6L+0.5G	Top	98.6255	49.5712	0.0002	0.0066	0.0015	82.8487	6	0.4	3	791	1276	8659	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6L+0.5G	Bottom	229.1088	49.5712	0.0002	0.0066	0.0024	108.0006	6	0.4	3	791	1302	2452	1302	142	150	954	1692	0.03
N+110.65	M21	1.2D+1.6L+0.5Le	Top	98.6253	49.5743	0.0002	0.0065	0.0015	82.8501	6	0.4	3	791	1276	8663	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6L+0.5Le	Bottom	229.1086	49.5743	0.0002	0.0065	0.0022	108.0112	6	0.4	3	791	1302	2452	1302	142	150	954	1692	0.03
N+110.65	M21	1.2D+1.6Lr+1.0L	Top	98.6266	49.5357	0.0009	0.0068	0.0015	82.8403	6	0.4	3	791	1276	8609	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6Lr+1.0L	Bottom	229.11	49.5357	0.0009	0.0068	0.0048	107.8722	6	0.4	3	791	1302	2455	1302	142	150	954	1692	0.03

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M21	1.2D+1.6G+1.0L	Top	98.6257	49.5516	0.0006	0.0066	0.0015	82.8474	6	0.4	3	791	1276	8628	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6G+1.0L	Bottom	229.1091	49.5516	0.0006	0.0066	0.0039	107.9263	6	0.4	3	791	1302	2454	1302	142	150	954	1692	0.03
N+110.65	M21	1.2D+1.6Le+1.0L	Top	98.6252	49.5615	0.0005	0.0064	0.0015	82.8518	6	0.4	3	791	1276	8640	1276	142	150	954	1673	0.03
N+110.65	M21	1.2D+1.6Le+1.0L	Bottom	229.1086	49.5615	0.0005	0.0064	0.0033	107.9601	6	0.4	3	791	1302	2453	1302	142	150	954	1692	0.03
N+110.65	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	78.6821	137.9374	13.2765	0.3252	0.0843	255.2247	6	0.4	3	791	1272	4326	1272	142	150	954	1670	0.08
N+110.65	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	209.1655	137.9374	13.2765	0.3252	51.0373	444.7097	6	0.4	3	791	1298	1101	1101	142	150	954	1541	0.09
N+110.65	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	118.5672	237.0803	13.2771	0.3377	0.0873	89.5122	6	0.4	3	791	1280	1062	1062	142	150	954	1512	0.16
N+110.65	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	249.0506	237.0803	13.2771	0.3377	51.0427	660.6974	6	0.4	3	791	1306	1411	1306	142	150	954	1695	0.14
N+110.65	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	34.2335	557.1759	4.4655	0.9131	0.0377	639.2138	6	0.4	3	791	1263	3772	1263	142	150	954	1663	0.34
N+110.65	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	164.7168	557.1759	4.4655	0.9131	17.1765	1681.0154	6	0.4	3	791	1289	1205	1205	142	150	954	1620	0.34
N+110.65	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	163.0158	656.3188	4.4661	0.9257	0.0408	473.5013	6	0.4	3	791	1289	1661	1289	142	150	954	1683	0.39
N+110.65	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	293.4992	656.3188	4.4661	0.9257	17.1819	1897.0031	6	0.4	3	791	1315	1338	1315	142	150	954	1702	0.39
N+110.65	M21	0.9D+1.0Ex+0.3Ey	Top	54.0253	150.3378	13.2764	0.327	0.0847	234.5166	6	0.4	3	791	1267	23961	1267	142	150	954	1666	0.09
N+110.65	M21	0.9D+1.0Ex+0.3Ey	Bottom	151.8879	150.3378	13.2764	0.327	51.0372	471.743	6	0.4	3	791	1287	1130	1130	142	150	954	1563	0.10
N+110.65	M21	0.9D+1.0Ex+0.3Ey	Top	93.9105	224.68	13.2773	0.3359	0.087	110.2202	6	0.4	3	791	1275	1195	1195	142	150	954	1612	0.14
N+110.65	M21	0.9D+1.0Ex+0.3Ey	Bottom	191.773	224.68	13.2773	0.3359	51.0429	633.6641	6	0.4	3	791	1295	1360	1295	142	150	954	1687	0.13
N+110.65	M21	0.9D+1.0Ey+0.3Ex	Top	9.5767	569.5762	4.4653	0.9149	0.0381	618.5057	6	0.4	3	791	1258	3150	1258	142	150	954	1660	0.34
N+110.65	M21	0.9D+1.0Ey+0.3Ex	Bottom	107.4392	569.5762	4.4653	0.9149	17.1763	1708.0487	6	0.4	3	791	1278	1199	1199	142	150	954	1615	0.35
N+110.65	M21	0.9D+1.0Ey+0.3Ex	Top	138.3591	643.9184	4.4662	0.9238	0.0404	494.2094	6	0.4	3	791	1284	1764	1284	142	150	954	1679	0.38
N+110.65	M21	0.9D+1.0Ey+0.3Ex	Bottom	236.2216	643.9184	4.4662	0.9238	17.182	1869.9697	6	0.4	3	791	1304	1308	1304	142	150	954	1694	0.38
N+110.65	M22	1.4D	Top	123.58	45.8648	0.005	0.0008	0.0473	71.9001	2	0.4	3	791	1281	21746	1281	142	150	954	1677	0.03
N+110.65	M22	1.4D	Bottom	275.8106	45.8648	0.005	0.0008	0.0279	104.6795	2	0.4	3	791	1312	2186	1312	142	150	954	1699	0.03
N+110.65	M22	1.2D+1.6L+0.5Lr	Top	105.9254	39.3048	0.0048	0.0015	0.0406	61.642	2	0.4	3	791	1278	21416	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6L+0.5Lr	Bottom	236.4087	39.3048	0.0048	0.0015	0.022	89.6815	2	0.4	3	791	1304	2164	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.6L+0.5G	Top	105.9255	39.3001	0.0049	0.0014	0.0406	61.6403	2	0.4	3	791	1278	21371	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6L+0.5G	Bottom	236.4088	39.3001	0.0049	0.0014	0.0216	89.6649	2	0.4	3	791	1304	2164	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.6L+0.5Le	Top	105.9255	39.2971	0.005	0.0013	0.0406	61.6392	2	0.4	3	791	1278	21343	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6L+0.5Le	Bottom	236.4089	39.2971	0.005	0.0013	0.0213	89.6546	2	0.4	3	791	1304	2164	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.6Lr+1.0L	Top	105.925	39.3352	0.0039	0.0017	0.0406	61.6469	2	0.4	3	791	1278	21759	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6Lr+1.0L	Bottom	236.4083	39.3352	0.0039	0.0017	0.0255	89.7936	2	0.4	3	791	1304	2161	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.6G+1.0L	Top	105.9253	39.32	0.0043	0.0014	0.0406	61.6414	2	0.4	3	791	1278	21611	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6G+1.0L	Bottom	236.4086	39.32	0.0043	0.0014	0.024	89.7407	2	0.4	3	791	1304	2162	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.6Le+1.0L	Top	105.9255	39.3106	0.0046	0.0012	0.0406	61.638	2	0.4	3	791	1278	21520	1278	142	150	954	1674	0.02
N+110.65	M22	1.2D+1.6Le+1.0L	Bottom	236.4088	39.3106	0.0046	0.0012	0.023	89.7077	2	0.4	3	791	1304	2163	1304	142	150	954	1694	0.02
N+110.65	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	91.6359	228.6578	12.6709	0.7168	0.3993	106.1218	2	0.4	3	791	1275	1158	1158	142	150	954	1584	0.14
N+110.65	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	222.1193	228.6578	12.6709	0.7168	48.312	653.9202	2	0.4	3	791	1301	1338	1301	142	150	954	1691	0.14
N+110.65	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.2154	150.0556	12.6612	0.7189	0.4805	229.391	2	0.4	3	791	1281	50877	1281	142	150	954	1676	0.09
N+110.65	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	250.6988	150.0556	12.6612	0.7189	48.3561	474.571	2	0.4	3	791	1307	1145	1145	142	150	954	1574	0.10
N+110.65	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	75.8821	607.8778	5.0131	0.891	0.2865	412.9995	2	0.4	3	791	1272	1513	1272	142	150	954	1669	0.36
N+110.65	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	206.3655	607.8778	5.0131	0.891	18.963	1813.4677	2	0.4	3	791	1298	1241	1241	142	150	954	1646	0.37
N+110.65	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	135.9692	529.2756	5.0035	0.8932	0.3677	536.2687	2	0.4	3	791	1284	2769	1284	142	150	954	1678	0.32
N+110.65	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	266.4525	529.2756	5.0035	0.8932	19.0071	1634.1184	2	0.4	3	791	1310	1193	1193	142	150	954	1610	0.33
N+110.65	M22	0.9D+1.0Ex+0.3Ey	Top	65.1546	218.8412	12.6693	0.7173	0.4095	121.5349	2	0.4	3	791	1270	1278	1270	142	150	954	1668	0.13
N+110.65	M22	0.9D+1.0Ex+0.3Ey	Bottom	163.0171	218.8412	12.6693	0.7173	48.3161	631.5395	2	0.4	3	791	1289	1297	1289	142	150	954	1683	0.13
N+110.65	M22	0.9D+1.0Ex+0.3Ey	Top	93.7341	159.8721	12.6628	0.7184	0.4703	213.9778	2	0.4	3	791	1275	8687	1275	142	150	954	1672	0.10
N+110.65	M22	0.9D+1.0Ex+0.3Ey	Bottom	191.5966	159.8721	12.6628	0.7184	48.352	496.9517	2	0.4	3	791	1295	1158	1158	142	150	954	1584	0.10
N+110.65	M22	0.9D+1.0Ey+0.3Ex	Top	49.4008	598.0612	5.0115	0.8916	0.2967	428.4126	2	0.4	3	791	1266	1579	1266	142	150	954	1665	0.36
N+110.65	M22	0.9D+1.0Ey+0.3Ex	Bottom	147.2633	598.0612	5.0115	0.8916	18.9671	1791.087	2	0.4	3	791	1286	1214	1214	142	150	954	1626	0.37
N+110.65	M22	0.9D+1.0Ey+0.3Ex	Top	109.4878	539.0922	5.0051	0.8926	0.3575	520.8556	2	0.4	3	791	1278	2481	1278	142	150	954	1674	0.32
N+110.65	M22	0.9D+1.0Ey+0.3Ex	Bottom	207.3504	539.0922	5.0051	0.8926	19.003	1656.4991	2	0.4	3	791	1298	1184	1184	142	150	954	1603	0.34
N+110.65	M23	1.4D	Top	89.1943	32.0801	0.6021	0.4382	1.7034	49.8388	1	0.4	3	791	1274	27092	1274	142	150	954	1671	0.02
N+110.65	M23	1.4D	Bottom	241.4249	32.0801	0.6021	0.4382	0.6148	73.6696	1	0.4	3	791	1305	2131	1305	142	150	954	1694	0.02
N+110.65	M23	1.2D+1.6L+0.5Lr	Top	76.4613	27.452	0.5155	0.3741	1.4583	42.705	1	0.4	3	791	1272	25992	1272	142	150	954	1670	0.02
N+110.65	M23	1.2D+1.6L+0.5Lr	Bottom	206.9447	27.452	0.5155	0.3741	0.5266	62.9851	1	0.4	3	791	1298	2115	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.6L+0.5G	Top	76.4601	27.4497	0.5159	0.3743	1.4586	42.7067	1	0.4	3	791	1272	25903	1272	142	150	954	1670	0.02
N+110.65	M23	1.2D+1.6L+0.5G	Bottom	206.9435	27.4497	0.5159	0.3743	0.5275	62.9747	1	0.4	3	791	1298	2116	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.6L+0.5Le	Top	76.4594	27.4483	0.516	0.3744	1.4587	42.7078	1	0.4	3	791	1272	25848	1272	142	150	954	1670	0.02
N+110.65	M23	1.2D+1.6L+0.5Le	Bottom	206.9428	27.4483	0.516	0.3744	0.528	62.9682	1	0.4	3	791	1298	2116	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.6Lr+1.0L	Top	76.4648	27.4821	0.514	0.3736	1.4573	42.7005	1	0.4	3	791	1272	26887	1272	142	150	954	1670	0.02
N+110.65	M23	1.2D+1.6Lr+1.0L	Bottom	206.9482	27.4821	0.514	0.3736	0.5215	63.1055	1	0.4	3	791	1298	2111	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.6G+1.0L	Top	76.461	27.4748	0.515	0.3742	1.4582	42.7059	1	0.4	3	791	1272	26588	1272	142	150	954	1670	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M23	1.2D+1.6G+1.0L	Bottom	206.9444	27.4748	0.515	0.3742	0.5244	63.0722	1	0.4	3	791	1298	2112	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.6Le+1.0L	Top	76.4586	27.4703	0.5156	0.3746	1.4588	42.7093	1	0.4	3	791	1272	26406	1272	142	150	954	1670	0.02
N+110.65	M23	1.2D+1.6Le+1.0L	Bottom	206.942	27.4703	0.5156	0.3746	0.5262	63.0514	1	0.4	3	791	1298	2113	1298	142	150	954	1689	0.02
N+110.65	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	-52.919	547.4325	15.6292	16.7228	34.2641	481.615	1	0.4	3	791	1246	1977	1246	142	150	954	1650	0.33
N+110.65	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	77.5644	547.4325	15.6292	16.7228	27.8635	1549.4227	1	0.4	3	791	1272	1310	1272	142	150	954	1670	0.33
N+110.65	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	205.8314	492.501	14.5969	15.9729	37.1827	567.0403	1	0.4	3	791	1298	4055	1298	142	150	954	1689	0.29
N+110.65	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	336.3148	492.501	14.5969	15.9729	26.8076	1423.3615	1	0.4	3	791	1324	1353	1324	142	150	954	1709	0.29
N+110.65	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	9.0927	581.8395	17.1938	12.1242	29.5995	589.1226	1	0.4	3	791	1258	2640	1258	142	150	954	1659	0.35
N+110.65	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	139.5761	581.8395	17.1938	12.1242	35.2303	1590.5297	1	0.4	3	791	1284	1419	1284	142	150	954	1679	0.35
N+110.65	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	143.8198	526.908	16.1615	11.3743	32.5181	674.5479	1	0.4	3	791	1285	6433	1285	142	150	954	1680	0.31
N+110.65	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	274.3031	526.908	16.1615	11.3743	34.1743	1464.4686	1	0.4	3	791	1311	1427	1311	142	150	954	1699	0.31
N+110.65	M23	0.9D+1.0Ex+0.3Ey	Top	-72.036	540.5896	15.5001	16.6295	34.6284	492.2884	1	0.4	3	791	1242	2078	1242	142	150	954	1647	0.33
N+110.65	M23	0.9D+1.0Ex+0.3Ey	Bottom	25.8265	540.5896	15.5001	16.6295	27.7307	1533.7511	1	0.4	3	791	1262	1286	1262	142	150	954	1662	0.33
N+110.65	M23	0.9D+1.0Ex+0.3Ey	Top	186.7144	499.3438	14.726	16.0661	36.8184	556.3669	1	0.4	3	791	1294	3618	1294	142	150	954	1686	0.30
N+110.65	M23	0.9D+1.0Ex+0.3Ey	Bottom	284.5769	499.3438	14.726	16.0661	26.9403	1439.0331	1	0.4	3	791	1313	1342	1313	142	150	954	1701	0.29
N+110.65	M23	0.9D+1.0Ey+0.3Ex	Top	-10.0244	574.9967	17.0647	12.031	29.9638	599.796	1	0.4	3	791	1255	2813	1255	142	150	954	1657	0.35
N+110.65	M23	0.9D+1.0Ey+0.3Ex	Bottom	87.8382	574.9967	17.0647	12.031	35.0975	1574.8582	1	0.4	3	791	1274	1394	1274	142	150	954	1671	0.34
N+110.65	M23	0.9D+1.0Ey+0.3Ex	Top	124.7027	533.7509	16.2906	11.4676	32.1538	663.8744	1	0.4	3	791	1281	5450	1281	142	150	954	1677	0.32
N+110.65	M23	0.9D+1.0Ey+0.3Ex	Bottom	222.5652	533.7509	16.2906	11.4676	34.3071	1480.1401	1	0.4	3	791	1301	1413	1301	142	150	954	1691	0.32
N+110.65	M24	1.4D	Top	89.4069	30.722	0.566	0.4217	1.6305	48.5616	1	0.4	3	791	1274	18070	1274	142	150	954	1671	0.02
N+110.65	M24	1.4D	Bottom	241.6375	30.722	0.566	0.4217	0.5486	69.7182	1	0.4	3	791	1305	2198	1305	142	150	954	1694	0.02
N+110.65	M24	1.2D+1.6L+0.5Lr	Top	76.6328	26.3685	0.4871	0.3628	1.3996	41.6718	1	0.4	3	791	1272	18063	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6L+0.5Lr	Bottom	207.1162	26.3685	0.4871	0.3628	0.4757	59.847	1	0.4	3	791	1298	2176	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.6L+0.5G	Top	76.633	26.3557	0.4871	0.3626	1.3994	41.6656	1	0.4	3	791	1272	17946	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6L+0.5G	Bottom	207.1163	26.3557	0.4871	0.3626	0.4759	59.804	1	0.4	3	791	1298	2177	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.6L+0.5Le	Top	76.6331	26.3478	0.4871	0.3625	1.3992	41.6618	1	0.4	3	791	1272	17874	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6L+0.5Le	Bottom	207.1165	26.3478	0.4871	0.3625	0.4761	59.7772	1	0.4	3	791	1298	2178	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.6Lr+1.0L	Top	76.6324	26.4292	0.4864	0.3631	1.4001	41.6895	1	0.4	3	791	1272	18745	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6Lr+1.0L	Bottom	207.1157	26.4292	0.4864	0.3631	0.4726	60.0628	1	0.4	3	791	1298	2168	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.6G+1.0L	Top	76.6329	26.3883	0.4864	0.3627	1.3994	41.6699	1	0.4	3	791	1272	18347	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6G+1.0L	Bottom	207.1163	26.3883	0.4864	0.3627	0.4732	59.9253	1	0.4	3	791	1298	2173	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.6Le+1.0L	Top	76.6333	26.3628	0.4864	0.3624	1.3989	41.6576	1	0.4	3	791	1272	18107	1272	142	150	954	1670	0.02
N+110.65	M24	1.2D+1.6Le+1.0L	Bottom	207.1167	26.3628	0.4864	0.3624	0.4736	59.8393	1	0.4	3	791	1298	2175	1298	142	150	954	1689	0.02
N+110.65	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	-1.958	731.2832	18.6758	14.0544	38.0685	711.8357	1	0.4	3	791	1256	2417	1256	142	150	954	1658	0.44
N+110.65	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	128.5254	731.2832	18.6758	14.0544	39.3376	2039.182	1	0.4	3	791	1282	1364	1282	142	150	954	1677	0.44
N+110.65	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	155.2253	678.6086	19.6486	14.7786	35.2714	795.1263	1	0.4	3	791	1288	4247	1288	142	150	954	1681	0.40
N+110.65	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	285.7087	678.6086	19.6486	14.7786	40.2855	1919.6753	1	0.4	3	791	1314	1387	1314	142	150	954	1701	0.40
N+110.65	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	-31.2308	495.1138	11.437	12.8991	31.2539	406.7976	1	0.4	3	791	1250	1803	1250	142	150	954	1653	0.30
N+110.65	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	99.2526	495.1138	11.437	12.8991	24.4795	1424.6784	1	0.4	3	791	1276	1281	1276	142	150	954	1673	0.30
N+110.65	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	184.4981	442.4392	12.4097	13.6233	28.4568	490.0882	1	0.4	3	791	1293	3552	1293	142	150	954	1686	0.26
N+110.65	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	314.9815	442.4392	12.4097	13.6233	25.4274	1305.1717	1	0.4	3	791	1320	1300	1300	142	150	954	1691	0.26
N+110.65	M24	0.9D+1.0Ex+0.3Ey	Top	-21.1158	724.6958	18.7983	14.1454	37.7181	722.2628	1	0.4	3	791	1252	2521	1252	142	150	954	1655	0.44
N+110.65	M24	0.9D+1.0Ex+0.3Ey	Bottom	76.7467	724.6958	18.7983	14.1454	39.4588	2024.2474	1	0.4	3	791	1272	1341	1272	142	150	954	1670	0.43
N+110.65	M24	0.9D+1.0Ex+0.3Ey	Top	136.0675	685.196	19.5261	14.6876	35.6218	784.6991	1	0.4	3	791	1284	3887	1284	142	150	954	1678	0.41
N+110.65	M24	0.9D+1.0Ex+0.3Ey	Bottom	233.93	685.196	19.5261	14.6876	40.1642	1934.6098	1	0.4	3	791	1303	1372	1303	142	150	954	1693	0.40
N+110.65	M24	0.9D+1.0Ey+0.3Ex	Top	-50.3886	488.5264	11.5595	12.9901	30.9035	417.2248	1	0.4	3	791	1246	1891	1246	142	150	954	1651	0.30
N+110.65	M24	0.9D+1.0Ey+0.3Ex	Bottom	47.4739	488.5264	11.5595	12.9901	24.6008	1409.7439	1	0.4	3	791	1266	1257	1257	142	150	954	1658	0.29
N+110.65	M24	0.9D+1.0Ey+0.3Ex	Top	165.3403	449.0267	12.2872	13.5323	28.8072	479.6611	1	0.4	3	791	1290	3185	1290	142	150	954	1683	0.27
N+110.65	M24	0.9D+1.0Ey+0.3Ex	Bottom	263.2028	449.0267	12.2872	13.5323	25.3062	1320.1063	1	0.4	3	791	1309	1290	1290	142	150	954	1683	0.27
N+110.65	M25	1.4D	Top	123.8602	45.627	0.0155	0.0118	0.0473	72.5625	4	0.4	3	791	1281	16345	1281	142	150	954	1677	0.03
N+110.65	M25	1.4D	Bottom	276.0908	45.627	0.0155	0.0118	0.0124	103.1014	4	0.4	3	791	1312	2245	1312	142	150	954	1699	0.03
N+110.65	M25	1.2D+1.6L+0.5Lr	Top	106.1631	39.168	0.0146	0.0108	0.0406	62.2422	4	0.4	3	791	1278	16472	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6L+0.5Lr	Bottom	236.6465	39.168	0.0146	0.0108	0.0155	88.5546	4	0.4	3	791	1304	2217	1304	142	150	954	1694	0.02
N+110.65	M25	1.2D+1.6L+0.5G	Top	106.1635	39.1543	0.0147	0.0108	0.0406	62.2363	4	0.4	3	791	1278	16399	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6L+0.5G	Bottom	236.6469	39.1543	0.0147	0.0108	0.016	88.5078	4	0.4	3	791	1304	2218	1304	142	150	954	1694	0.02
N+110.65	M25	1.2D+1.6L+0.5Le	Top	106.1638	39.1458	0.0148	0.0107	0.0406	62.2327	4	0.4	3	791	1278	16353	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6L+0.5Le	Bottom	236.6471	39.1458	0.0148	0.0107	0.0162	88.4786	4	0.4	3	791	1304	2219	1304	142	150	954	1694	0.02
N+110.65	M25	1.2D+1.6Lr+1.0L	Top	106.1619	39.2251	0.0134	0.011	0.0406	62.2592	4	0.4	3	791	1278	16822	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6Lr+1.0L	Bottom	236.6452	39.2251	0.0134	0.011	0.011	88.7575	4	0.4	3	791	1304	2212	1304	142	150	954	1694	0.02
N+110.65	M25	1.2D+1.6G+1.0L	Top	106.1631	39.1813	0.0138	0.0108	0.0406	62.2403	4	0.4	3	791	1278	16580	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6G+1.0L	Bottom	236.6465	39.1813	0.0138	0.0108	0.0125	88.6077	4	0.4	3	791	1304	2215	1304	142	150	954	1694	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M25	1.2D+1.6Le+1.0L	Top	106.1639	39.1539	0.014	0.0106	0.0406	62.2286	4	0.4	3	791	1278	16431	1278	142	150	954	1674	0.02
N+110.65	M25	1.2D+1.6Le+1.0L	Bottom	236.6473	39.1539	0.014	0.0106	0.0134	88.5141	4	0.4	3	791	1304	2217	1304	142	150	954	1694	0.02
N+110.65	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	68.4999	777.8537	4.1083	0.5028	0.3948	516.3554	4	0.4	3	791	1270	1476	1270	142	150	954	1668	0.47
N+110.65	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	198.9832	777.8537	4.1083	0.5028	15.5218	2362.746	4	0.4	3	791	1296	1203	1203	142	150	954	1618	0.48
N+110.65	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	143.8296	699.6006	4.1369	0.5237	0.3136	640.789	4	0.4	3	791	1285	2276	1285	142	150	954	1680	0.42
N+110.65	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	274.313	699.6006	4.1369	0.5237	15.5504	2185.9049	4	0.4	3	791	1311	1173	1173	142	150	954	1596	0.44
N+110.65	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	92.6187	304.6668	12.0762	0.7079	0.4745	143.2081	4	0.4	3	791	1275	1166	1166	142	150	954	1590	0.19
N+110.65	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	223.1021	304.6668	12.0762	0.7079	46.1065	909.3406	4	0.4	3	791	1301	1245	1245	142	150	954	1650	0.18
N+110.65	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	119.7108	226.4137	12.1047	0.7288	0.3933	267.6417	4	0.4	3	791	1280	4340	1280	142	150	954	1676	0.14
N+110.65	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	250.1941	226.4137	12.1047	0.7288	46.1351	732.4995	4	0.4	3	791	1307	1106	1106	142	150	954	1546	0.15
N+110.65	M25	0.9D+1.0Ex+0.3Ey	Top	41.9596	768.0588	4.1126	0.5057	0.3846	531.9249	4	0.4	3	791	1265	1521	1265	142	150	954	1664	0.46
N+110.65	M25	0.9D+1.0Ex+0.3Ey	Bottom	139.8221	768.0588	4.1126	0.5057	15.5281	2340.6049	4	0.4	3	791	1284	1178	1178	142	150	954	1599	0.48
N+110.65	M25	0.9D+1.0Ex+0.3Ey	Top	117.2893	709.3955	4.1326	0.5208	0.3237	625.2195	4	0.4	3	791	1280	2115	1280	142	150	954	1676	0.42
N+110.65	M25	0.9D+1.0Ex+0.3Ey	Bottom	215.1518	709.3955	4.1326	0.5208	15.5441	2208.046	4	0.4	3	791	1300	1163	1163	142	150	954	1588	0.45
N+110.65	M25	0.9D+1.0Ey+0.3Ex	Top	66.0784	294.8719	12.0805	0.7108	0.4643	158.7776	4	0.4	3	791	1270	1252	1252	142	150	954	1655	0.18
N+110.65	M25	0.9D+1.0Ey+0.3Ex	Bottom	163.9409	294.8719	12.0805	0.7108	46.1128	887.1995	4	0.4	3	791	1289	1210	1210	142	150	954	1623	0.18
N+110.65	M25	0.9D+1.0Ey+0.3Ex	Top	93.1705	236.2086	12.1004	0.7259	0.4034	252.0722	4	0.4	3	791	1275	3096	1275	142	150	954	1672	0.14
N+110.65	M25	0.9D+1.0Ey+0.3Ex	Bottom	191.033	236.2086	12.1004	0.7259	46.1287	754.6406	4	0.4	3	791	1295	1111	1111	142	150	954	1549	0.15
N+110.65	M26	1.4D	Top	142.1834	0.8521	0.0131	0.0066	0.002	1.2671	6	0.4	3	791	1285	112690	1285	142	150	954	1679	0.00
N+110.65	M26	1.4D	Bottom	294.414	0.8521	0.0131	0.0066	0.0484	2.0134	6	0.4	3	791	1315	2014	1315	142	150	954	1702	0.00
N+110.65	M26	1.2D+1.6L+0.5Lr	Top	121.8714	0.7793	0.0127	0.0063	0.0017	1.1236	6	0.4	3	791	1281	24764	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6L+0.5Lr	Bottom	252.3547	0.7793	0.0127	0.0063	0.0473	1.8766	6	0.4	3	791	1307	1904	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.6L+0.5G	Top	121.8714	0.7664	0.0129	0.0063	0.0017	1.119	6	0.4	3	791	1281	36200	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6L+0.5G	Bottom	252.3547	0.7664	0.0129	0.0063	0.048	1.8319	6	0.4	3	791	1307	1937	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.6L+0.5Le	Top	121.8714	0.7584	0.013	0.0062	0.0017	1.116	6	0.4	3	791	1281	50841	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6L+0.5Le	Bottom	252.3548	0.7584	0.013	0.0062	0.0483	1.8039	6	0.4	3	791	1307	1960	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.6Lr+1.0L	Top	121.8714	0.8353	0.0112	0.0065	0.0017	1.1366	6	0.4	3	791	1281	10210	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6Lr+1.0L	Bottom	252.3547	0.8353	0.0112	0.0065	0.0416	2.0792	6	0.4	3	791	1307	1767	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.6G+1.0L	Top	121.8714	0.7942	0.0117	0.0063	0.0017	1.1217	6	0.4	3	791	1281	16366	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6G+1.0L	Bottom	252.3548	0.7942	0.0117	0.0063	0.0435	1.9361	6	0.4	3	791	1307	1851	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.6Le+1.0L	Top	121.8714	0.7686	0.0121	0.0061	0.0017	1.1123	6	0.4	3	791	1281	27305	1281	142	150	954	1676	0.00
N+110.65	M26	1.2D+1.6Le+1.0L	Bottom	252.3548	0.7686	0.0121	0.0061	0.0448	1.8466	6	0.4	3	791	1307	1914	1307	142	150	954	1696	0.00
N+110.65	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.9027	605.9448	4.0021	0.3102	0.0511	464.0425	6	0.4	3	791	1281	1748	1281	142	150	954	1676	0.36
N+110.65	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	251.386	605.9448	4.0021	0.3102	15.3871	1879.2286	6	0.4	3	791	1307	1180	1180	142	150	954	1601	0.38
N+110.65	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.8401	604.459	4.0269	0.3221	0.0478	466.2485	6	0.4	3	791	1281	1764	1281	142	150	954	1676	0.36
N+110.65	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	253.3235	604.459	4.0269	0.3221	15.4792	1875.7143	6	0.4	3	791	1307	1179	1179	142	150	954	1600	0.38
N+110.65	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	121.5007	226.6741	13.0465	0.8986	0.0809	176.4349	6	0.4	3	791	1281	1783	1281	142	150	954	1676	0.14
N+110.65	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	251.9841	226.6741	13.0465	0.8986	50.1614	699.6157	6	0.4	3	791	1307	1189	1189	142	150	954	1607	0.14
N+110.65	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	122.2421	225.1884	13.0713	0.9106	0.0775	178.6408	6	0.4	3	791	1281	1826	1281	142	150	954	1676	0.13
N+110.65	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	252.7255	225.1884	13.0713	0.9106	50.2535	696.1015	6	0.4	3	791	1307	1186	1186	142	150	954	1605	0.14
N+110.65	M26	0.9D+1.0Ex+0.3Ey	Top	90.4349	605.7497	4.0061	0.3119	0.0507	464.3309	6	0.4	3	791	1275	1730	1275	142	150	954	1672	0.36
N+110.65	M26	0.9D+1.0Ex+0.3Ey	Bottom	188.2974	605.7497	4.0061	0.3119	15.402	1878.7658	6	0.4	3	791	1294	1161	1161	142	150	954	1586	0.38
N+110.65	M26	0.9D+1.0Ex+0.3Ey	Top	92.3723	604.6541	4.0229	0.3204	0.0482	465.9601	6	0.4	3	791	1275	1742	1275	142	150	954	1672	0.36
N+110.65	M26	0.9D+1.0Ex+0.3Ey	Bottom	190.2349	604.6541	4.0229	0.3204	15.4643	1876.1772	6	0.4	3	791	1295	1161	1161	142	150	954	1586	0.38
N+110.65	M26	0.9D+1.0Ey+0.3Ex	Top	91.0329	226.479	13.0505	0.9004	0.0805	176.7233	6	0.4	3	791	1275	1768	1275	142	150	954	1672	0.14
N+110.65	M26	0.9D+1.0Ey+0.3Ex	Bottom	188.8954	226.479	13.0505	0.9004	50.1763	699.1529	6	0.4	3	791	1294	1170	1170	142	150	954	1593	0.14
N+110.65	M26	0.9D+1.0Ey+0.3Ex	Top	91.7743	225.3835	13.0673	0.9088	0.078	178.3524	6	0.4	3	791	1275	1800	1275	142	150	954	1672	0.13
N+110.65	M26	0.9D+1.0Ey+0.3Ex	Bottom	189.6368	225.3835	13.0673	0.9088	50.2386	696.5643	6	0.4	3	791	1294	1168	1168	142	150	954	1591	0.14
N+110.65	M27	1.4D	Top	142.3511	0.5873	0.0145	0.0068	0.0003	0.3315	2	0.4	3	791	1285	1333	1285	142	150	954	1679	0.00
N+110.65	M27	1.4D	Bottom	294.5817	0.5873	0.0145	0.0068	0.0555	1.9296	2	0.4	3	791	1315	1094	1094	142	150	954	1536	0.00
N+110.65	M27	1.2D+1.6L+0.5Lr	Top	122.0152	0.5519	0.0142	0.0065	0.0003	0.3212	2	0.4	3	791	1281	1352	1281	142	150	954	1676	0.00
N+110.65	M27	1.2D+1.6L+0.5Lr	Bottom	252.4986	0.5519	0.0142	0.0065	0.0544	1.8036	2	0.4	3	791	1307	1091	1091	142	150	954	1534	0.00
N+110.65	M27	1.2D+1.6L+0.5G	Top	122.0152	0.5391	0.0144	0.0064	0.0003	0.3165	2	0.4	3	791	1281	1361	1281	142	150	954	1676	0.00
N+110.65	M27	1.2D+1.6L+0.5G	Bottom	252.4986	0.5391	0.0144	0.0064	0.0551	1.7589	2	0.4	3	791	1307	1094	1094	142	150	954	1536	0.00
N+110.65	M27	1.2D+1.6L+0.5Le	Top	122.0152	0.5311	0.0145	0.0064	0.0003	0.3136	2	0.4	3	791	1281	1367	1281	142	150	954	1676	0.00
N+110.65	M27	1.2D+1.6L+0.5Le	Bottom	252.4986	0.5311	0.0145	0.0064	0.0556	1.731	2	0.4	3	791	1307	1095	1095	142	150	954	1537	0.00
N+110.65	M27	1.2D+1.6Lr+1.0L	Top	122.0152	0.6079	0.0124	0.0067	0.0003	0.3342	2	0.4	3	791	1281	1298	1281	142	150	954	1676	0.00
N+110.65	M27	1.2D+1.6Lr+1.0L	Bottom	252.4986	0.6079	0.0124	0.0067	0.0473	2.0062	2	0.4	3	791	1307	1076	1076	142	150	954	1522	0.00
N+110.65	M27	1.2D+1.6G+1.0L	Top	122.0152	0.5669	0.013	0.0065	0.0003	0.3193	2	0.4	3	791	1281	1320	1281	142	150	954	1676	0.00
N+110.65	M27	1.2D+1.6G+1.0L	Bottom	252.4986	0.5669	0.013	0.0065	0.0498	1.8633	2	0.4	3	791	1307	1082	1082	142	150	954	1527	0.00
N+110.65	M27	1.2D+1.6Le+1.0L	Top	122.0152	0.5413	0.0134	0.0063	0.0003	0.31	2	0.4	3	791	1281	1336	1281	142	150	954	1676	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades
f'c	f'c (MPa) 23.5
fy	fy (MPa) 420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M27	1.2D+1.6Le+1.0L	Bottom	252.4986	0.5413	0.0134	0.0063	0.0514	1.774	2	0.4	3	791	1307	1086	1086	142	150	954	1530	0.00
N+110.65	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.0113	601.1094	4.143	0.3092	0.0049	459.1571	2	0.4	3	791	1281	1743	1281	142	150	954	1676	0.36
N+110.65	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	252.4947	601.1094	4.143	0.3092	15.9462	1867.0795	2	0.4	3	791	1307	1177	1177	142	150	954	1599	0.38
N+110.65	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.0192	600.078	4.1706	0.3215	0.0044	459.7586	2	0.4	3	791	1281	1750	1281	142	150	954	1676	0.36
N+110.65	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	252.5025	600.078	4.1706	0.3215	16.052	1863.7102	2	0.4	3	791	1307	1178	1178	142	150	954	1599	0.38
N+110.65	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	122.0025	223.973	13.518	0.9137	0.0155	174.9932	2	0.4	3	791	1281	1791	1281	142	150	954	1676	0.13
N+110.65	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	252.4859	223.973	13.518	0.9137	52.0298	692.3302	2	0.4	3	791	1307	1186	1186	142	150	954	1605	0.14
N+110.65	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	122.028	222.9416	13.5456	0.9259	0.015	175.5947	2	0.4	3	791	1281	1809	1281	142	150	954	1676	0.13
N+110.65	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	252.5113	222.9416	13.5456	0.9259	52.1356	688.9608	2	0.4	3	791	1307	1187	1187	142	150	954	1606	0.14
N+110.65	M27	0.9D+1.0Ex+0.3Ey	Top	91.5075	600.9712	4.1475	0.311	0.0049	459.2448	2	0.4	3	791	1275	1724	1275	142	150	954	1672	0.36
N+110.65	M27	0.9D+1.0Ex+0.3Ey	Bottom	189.37	600.9712	4.1475	0.311	15.9634	1866.6353	2	0.4	3	791	1294	1159	1159	142	150	954	1585	0.38
N+110.65	M27	0.9D+1.0Ex+0.3Ey	Top	91.5153	600.2161	4.1661	0.3197	0.0045	459.671	2	0.4	3	791	1275	1729	1275	142	150	954	1672	0.36
N+110.65	M27	0.9D+1.0Ex+0.3Ey	Bottom	189.3779	600.2161	4.1661	0.3197	16.0348	1864.1544	2	0.4	3	791	1294	1159	1159	142	150	954	1585	0.38
N+110.65	M27	0.9D+1.0Ey+0.3Ex	Top	91.4987	223.8349	13.5225	0.9155	0.0154	175.0808	2	0.4	3	791	1275	1773	1275	142	150	954	1672	0.13
N+110.65	M27	0.9D+1.0Ey+0.3Ex	Bottom	189.3612	223.8349	13.5225	0.9155	52.0471	691.886	2	0.4	3	791	1294	1167	1167	142	150	954	1591	0.14
N+110.65	M27	0.9D+1.0Ey+0.3Ex	Top	91.5242	223.0798	13.5411	0.9242	0.0151	175.507	2	0.4	3	791	1275	1786	1275	142	150	954	1672	0.13
N+110.65	M27	0.9D+1.0Ey+0.3Ex	Bottom	189.3867	223.0798	13.5411	0.9242	52.1184	689.405	2	0.4	3	791	1294	1168	1168	142	150	954	1591	0.14
N+110.65	M28	1.4D	Top	142.1845	0.3268	0.0147	0.007	0.0021	0.5973	6	0.4	3	791	1285	4701	1285	142	150	954	1679	0.00
N+110.65	M28	1.4D	Bottom	294.4151	0.3268	0.0147	0.007	0.0543	1.8553	6	0.4	3	791	1315	601	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6L+0.5Lr	Top	121.8725	0.3287	0.0146	0.0067	0.0018	0.4744	6	0.4	3	791	1281	25405	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6L+0.5Lr	Bottom	252.3559	0.3287	0.0146	0.0067	0.0543	1.74	6	0.4	3	791	1307	633	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6L+0.5G	Top	121.8725	0.3159	0.0148	0.0066	0.0018	0.4791	6	0.4	3	791	1281	87760	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6L+0.5G	Bottom	252.3559	0.3159	0.0148	0.0066	0.0552	1.6953	6	0.4	3	791	1307	625	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6L+0.5Le	Top	121.8725	0.3079	0.015	0.0066	0.0018	0.482	6	0.4	3	791	1281	22460	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6L+0.5Le	Bottom	252.3559	0.3079	0.015	0.0066	0.0558	1.6674	6	0.4	3	791	1307	620	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6Lr+1.0L	Top	121.8725	0.3848	0.0124	0.0069	0.0018	0.4615	6	0.4	3	791	1281	4605	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6Lr+1.0L	Bottom	252.3559	0.3848	0.0124	0.0069	0.046	1.9428	6	0.4	3	791	1307	660	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6G+1.0L	Top	121.8725	0.3437	0.0132	0.0067	0.0018	0.4764	6	0.4	3	791	1281	12538	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6G+1.0L	Bottom	252.3559	0.3437	0.0132	0.0067	0.049	1.7998	6	0.4	3	791	1307	639	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.6Le+1.0L	Top	121.8725	0.3181	0.0137	0.0065	0.0018	0.4857	6	0.4	3	791	1281	54352	1281	142	150	954	1676	0.00
N+110.65	M28	1.2D+1.6Le+1.0L	Bottom	252.3559	0.3181	0.0137	0.0065	0.0509	1.7104	6	0.4	3	791	1307	624	791	142	150	954	1309	0.00
N+110.65	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	120.9011	604.9608	4.2992	0.3218	0.0571	465.6092	6	0.4	3	791	1281	1758	1281	142	150	954	1676	0.36
N+110.65	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	251.3845	604.9608	4.2992	0.3218	16.541	1877.1309	6	0.4	3	791	1307	1179	1179	142	150	954	1600	0.38
N+110.65	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	122.8439	604.3759	4.3275	0.3345	0.0535	464.6191	6	0.4	3	791	1281	1757	1281	142	150	954	1676	0.36
N+110.65	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	253.3273	604.3759	4.3275	0.3345	16.6465	1873.8889	6	0.4	3	791	1307	1181	1181	142	150	954	1601	0.38
N+110.65	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	121.4925	224.4287	13.9388	0.9381	0.101	177.9288	6	0.4	3	791	1281	1824	1281	142	150	954	1676	0.13
N+110.65	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	251.9759	224.4287	13.9388	0.9381	53.5824	692.8785	6	0.4	3	791	1307	1188	1188	142	150	954	1607	0.14
N+110.65	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	122.2525	223.8438	13.9672	0.9508	0.0973	176.9387	6	0.4	3	791	1281	1818	1281	142	150	954	1676	0.13
N+110.65	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	252.7358	223.8438	13.9672	0.9508	53.6879	689.6364	6	0.4	3	791	1307	1193	1193	142	150	954	1610	0.14
N+110.65	M28	0.9D+1.0Ex+0.3Ey	Top	90.4329	604.8784	4.3039	0.3237	0.0566	465.4981	6	0.4	3	791	1275	1738	1275	142	150	954	1672	0.36
N+110.65	M28	0.9D+1.0Ex+0.3Ey	Bottom	188.2955	604.8784	4.3039	0.3237	16.5588	1876.7026	6	0.4	3	791	1294	1160	1160	142	150	954	1586	0.38
N+110.65	M28	0.9D+1.0Ex+0.3Ey	Top	92.3758	604.4583	4.3228	0.3327	0.0539	464.7302	6	0.4	3	791	1275	1737	1275	142	150	954	1672	0.36
N+110.65	M28	0.9D+1.0Ex+0.3Ey	Bottom	190.2383	604.4583	4.3228	0.3327	16.6287	1874.3172	6	0.4	3	791	1295	1162	1162	142	150	954	1587	0.38
N+110.65	M28	0.9D+1.0Ey+0.3Ex	Top	91.0244	224.3463	13.9436	0.94	0.1005	177.8177	6	0.4	3	791	1275	1803	1275	142	150	954	1672	0.13
N+110.65	M28	0.9D+1.0Ey+0.3Ex	Bottom	188.8869	224.3463	13.9436	0.94	53.6002	692.4501	6	0.4	3	791	1294	1170	1170	142	150	954	1593	0.14
N+110.65	M28	0.9D+1.0Ey+0.3Ex	Top	91.7843	223.9262	13.9624	0.949	0.0978	177.0498	6	0.4	3	791	1275	1798	1275	142	150	954	1672	0.13
N+110.65	M28	0.9D+1.0Ey+0.3Ex	Bottom	189.6468	223.9262	13.9624	0.949	53.6701	690.0648	6	0.4	3	791	1294	1173	1173	142	150	954	1595	0.14
N+110.65	M29	1.4D	Top	123.9222	44.2447	0.0169	0.0027	0.0472	71.6899	4	0.4	3	791	1281	12332	1281	142	150	954	1677	0.03
N+110.65	M29	1.4D	Bottom	276.1528	44.2447	0.0169	0.0027	0.0179	98.6522	4	0.4	3	791	1312	2328	1312	142	150	954	1699	0.03
N+110.65	M29	1.2D+1.6L+0.5Lr	Top	106.2232	37.8604	0.0166	0.0031	0.0405	61.3966	4	0.4	3	791	1278	12128	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6L+0.5Lr	Bottom	236.7066	37.8604	0.0166	0.0031	0.0233	84.3658	4	0.4	3	791	1304	2306	1304	142	150	954	1694	0.02
N+110.65	M29	1.2D+1.6L+0.5G	Top	106.2228	37.8742	0.0169	0.0031	0.0405	61.4027	4	0.4	3	791	1278	12170	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6L+0.5G	Bottom	236.7061	37.8742	0.0169	0.0031	0.0244	84.4131	4	0.4	3	791	1304	2304	1304	142	150	954	1694	0.02
N+110.65	M29	1.2D+1.6L+0.5Le	Top	106.2225	37.8829	0.0171	0.003	0.0405	61.4066	4	0.4	3	791	1278	12196	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6L+0.5Le	Bottom	236.7058	37.8829	0.0171	0.003	0.0251	84.4426	4	0.4	3	791	1304	2304	1304	142	150	954	1694	0.02
N+110.65	M29	1.2D+1.6Lr+1.0L	Top	106.2242	37.8038	0.0141	0.0033	0.0404	61.3807	4	0.4	3	791	1278	11935	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6Lr+1.0L	Bottom	236.7076	37.8038	0.0141	0.0033	0.0138	84.1641	4	0.4	3	791	1304	2311	1304	142	150	954	1694	0.02
N+110.65	M29	1.2D+1.6G+1.0L	Top	106.2228	37.8482	0.015	0.0031	0.0404	61.4002	4	0.4	3	791	1278	12068	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6G+1.0L	Bottom	236.7062	37.8482	0.015	0.0031	0.0174	84.3155	4	0.4	3	791	1304	2307	1304	142	150	954	1694	0.02
N+110.65	M29	1.2D+1.6Le+1.0L	Top	106.2219	37.876	0.0156	0.0029	0.0405	61.4125	4	0.4	3	791	1278	12152	1278	142	150	954	1674	0.02
N+110.65	M29	1.2D+1.6Le+1.0L	Bottom	236.7053	37.876	0.0156	0.0029	0.0197	84.4101	4	0.4	3	791	1304	2305	1304	142	150	954	1694	0.02

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+110.65	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	66.6464	709.3686	4.6436	0.7348	0.4105	652.2478	4	0.4	3	791	1270	2227	1270	142	150	954	1668	0.43
N+110.65	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	197.1297	709.3686	4.6436	0.7348	17.5674	2210.4561	4	0.4	3	791	1296	1155	1155	142	150	954	1582	0.45
N+110.65	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	145.7957	785.1761	4.676	0.7402	0.3295	529.3985	4	0.4	3	791	1286	1543	1286	142	150	954	1680	0.47
N+110.65	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	276.2791	785.1761	4.676	0.7402	17.6112	2379.4656	4	0.4	3	791	1312	1232	1232	142	150	954	1639	0.48
N+110.65	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	86.2285	256.4125	13.6351	1.4646	0.5211	308.0506	4	0.4	3	791	1274	4581	1274	142	150	954	1671	0.15
N+110.65	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	216.7119	256.4125	13.6351	1.4646	52.0611	805.9632	4	0.4	3	791	1300	1146	1146	142	150	954	1575	0.16
N+110.65	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	126.2136	332.22	13.6675	1.47	0.4401	185.2012	4	0.4	3	791	1282	1313	1282	142	150	954	1677	0.20
N+110.65	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	256.6969	332.22	13.6675	1.47	52.1049	974.9727	4	0.4	3	791	1308	1292	1292	142	150	954	1684	0.20
N+110.65	M29	0.9D+1.0Ex+0.3Ey	Top	40.0896	718.8293	4.6489	0.7358	0.4003	636.9095	4	0.4	3	791	1265	2073	1265	142	150	954	1664	0.43
N+110.65	M29	0.9D+1.0Ex+0.3Ey	Bottom	137.9521	718.8293	4.6489	0.7358	17.5778	2231.5416	4	0.4	3	791	1284	1144	1144	142	150	954	1574	0.46
N+110.65	M29	0.9D+1.0Ex+0.3Ey	Top	119.239	775.7153	4.6707	0.7393	0.3396	544.7368	4	0.4	3	791	1280	1589	1280	142	150	954	1676	0.46
N+110.65	M29	0.9D+1.0Ex+0.3Ey	Bottom	217.1015	775.7153	4.6707	0.7393	17.6008	2358.3801	4	0.4	3	791	1300	1207	1207	142	150	954	1621	0.48
N+110.65	M29	0.9D+1.0Ey+0.3Ex	Top	59.6718	265.8733	13.6405	1.4656	0.5109	292.7123	4	0.4	3	791	1268	3338	1268	142	150	954	1667	0.16
N+110.65	M29	0.9D+1.0Ey+0.3Ex	Bottom	157.5343	265.8733	13.6405	1.4656	52.0715	827.0487	4	0.4	3	791	1288	1146	1146	142	150	954	1576	0.17
N+110.65	M29	0.9D+1.0Ey+0.3Ex	Top	99.6568	322.7593	13.6622	1.4691	0.4503	200.5395	4	0.4	3	791	1276	1411	1276	142	150	954	1673	0.19
N+110.65	M29	0.9D+1.0Ey+0.3Ex	Bottom	197.5193	322.7593	13.6622	1.4691	52.0945	953.8872	4	0.4	3	791	1296	1257	1257	142	150	954	1659	0.19
N+110.65	M30	1.4D	Top	89.7337	28.9624	0.517	0.3735	1.5454	46.8172	1	0.4	3	791	1274	12588	1274	142	150	954	1672	0.02
N+110.65	M30	1.4D	Bottom	241.9643	28.9624	0.517	0.3735	0.445	64.6878	1	0.4	3	791	1305	2294	1305	142	150	954	1694	0.02
N+110.65	M30	1.2D+1.6L+0.5Lr	Top	76.9381	24.7035	0.4406	0.3162	1.3175	40.0125	1	0.4	3	791	1272	12204	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6L+0.5Lr	Bottom	207.4215	24.7035	0.4406	0.3162	0.3787	55.0961	1	0.4	3	791	1298	2281	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.6L+0.5G	Top	76.9351	24.721	0.4414	0.3166	1.3185	40.0267	1	0.4	3	791	1272	12261	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6L+0.5G	Bottom	207.4184	24.721	0.4414	0.3166	0.3808	55.1491	1	0.4	3	791	1298	2279	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.6L+0.5Le	Top	76.9332	24.7319	0.4419	0.3168	1.3191	40.0356	1	0.4	3	791	1272	12297	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6L+0.5Le	Bottom	207.4165	24.7319	0.4419	0.3168	0.3821	55.1823	1	0.4	3	791	1298	2278	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.6Lr+1.0L	Top	76.9469	24.6477	0.4368	0.3153	1.3143	39.9737	1	0.4	3	791	1272	11998	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6Lr+1.0L	Bottom	207.4303	24.6477	0.4368	0.3153	0.3675	54.92	1	0.4	3	791	1298	2287	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.6G+1.0L	Top	76.9372	24.7037	0.4394	0.3166	1.3176	40.0192	1	0.4	3	791	1272	12178	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6G+1.0L	Bottom	207.4206	24.7037	0.4394	0.3166	0.3742	55.0899	1	0.4	3	791	1298	2282	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.6Le+1.0L	Top	76.9311	24.7386	0.441	0.3174	1.3196	40.0477	1	0.4	3	791	1272	12292	1272	142	150	954	1670	0.01
N+110.65	M30	1.2D+1.6Le+1.0L	Bottom	207.4145	24.7386	0.441	0.3174	0.3784	55.196	1	0.4	3	791	1298	2278	1298	142	150	954	1689	0.01
N+110.65	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	-8.6514	722.7677	19.9657	16.4649	40.8403	840.5804	1	0.4	3	791	1255	3898	1255	142	150	954	1657	0.44
N+110.65	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	121.832	722.7677	19.9657	16.4649	40.7313	2040.4327	1	0.4	3	791	1281	1332	1281	142	150	954	1676	0.43
N+110.65	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	162.5014	772.3149	20.851	15.8285	38.1971	760.428	1	0.4	3	791	1289	2628	1289	142	150	954	1682	0.46
N+110.65	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	292.9848	772.3149	20.851	15.8285	41.4966	2151.0371	1	0.4	3	791	1315	1428	1315	142	150	954	1702	0.45
N+110.65	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	-57.2337	592.2928	15.5424	19.3721	40.7013	654.2097	1	0.4	3	791	1245	3228	1245	142	150	954	1649	0.36
N+110.65	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	73.2496	592.2928	15.5424	19.3721	28.525	1712.394	1	0.4	3	791	1271	1262	1262	142	150	954	1662	0.36
N+110.65	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	211.0837	641.84	16.4277	18.7357	38.0581	574.0573	1	0.4	3	791	1299	2240	1299	142	150	954	1690	0.38
N+110.65	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	341.5671	641.84	16.4277	18.7357	29.2903	1822.9984	1	0.4	3	791	1325	1397	1325	142	150	954	1709	0.38
N+110.65	M30	0.9D+1.0Ex+0.3Ey	Top	-27.8904	728.9226	20.076	16.3868	40.5122	830.601	1	0.4	3	791	1251	3603	1251	142	150	954	1654	0.44
N+110.65	M30	0.9D+1.0Ex+0.3Ey	Bottom	69.9721	728.9226	20.076	16.3868	40.8279	2054.1498	1	0.4	3	791	1271	1317	1271	142	150	954	1669	0.44
N+110.65	M30	0.9D+1.0Ex+0.3Ey	Top	143.2623	766.16	20.7407	15.9066	38.5252	770.4074	1	0.4	3	791	1285	2730	1285	142	150	954	1680	0.46
N+110.65	M30	0.9D+1.0Ex+0.3Ey	Bottom	241.1248	766.16	20.7407	15.9066	41.4	2137.3199	1	0.4	3	791	1305	1405	1305	142	150	954	1694	0.45
N+110.65	M30	0.9D+1.0Ey+0.3Ex	Top	-76.4728	598.4477	15.6527	19.294	40.3732	644.2302	1	0.4	3	791	1241	2977	1241	142	150	954	1647	0.36
N+110.65	M30	0.9D+1.0Ey+0.3Ex	Bottom	21.3897	598.4477	15.6527	19.294	28.6216	1726.1112	1	0.4	3	791	1261	1249	1249	142	150	954	1652	0.36
N+110.65	M30	0.9D+1.0Ey+0.3Ex	Top	191.8447	635.6851	16.3174	18.8138	38.3862	584.0367	1	0.4	3	791	1295	2328	1295	142	150	954	1687	0.38
N+110.65	M30	0.9D+1.0Ey+0.3Ex	Bottom	289.7072	635.6851	16.3174	18.8138	29.1937	1809.2813	1	0.4	3	791	1314	1373	1314	142	150	954	1702	0.37
N+106.8	M1	1.4D	Top	523.663	14.9961	0.1133	0.1606	0.1907	66.6679	1	0.4	3	791	1361	792	792	142	150	954	1310	0.01
N+106.8	M1	1.4D	Bottom	792.1424	14.9961	0.1133	0.1606	0.5784	35.1556	1	0.4	3	791	1415	2337	1415	142	150	954	1777	0.01
N+106.8	M1	1.2D+1.6L+0.5Lr	Top	448.8058	13.0777	0.0998	0.141	0.1744	58.2958	1	0.4	3	791	1346	778	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6L+0.5Lr	Bottom	678.931	13.0777	0.0998	0.141	0.5035	30.5021	1	0.4	3	791	1392	2301	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.6L+0.5G	Top	448.8105	13.0823	0.0999	0.141	0.1748	58.3213	1	0.4	3	791	1346	777	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6L+0.5G	Bottom	678.9357	13.0823	0.0999	0.141	0.5036	30.5072	1	0.4	3	791	1392	2303	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.6L+0.5Le	Top	448.8135	13.0851	0.0999	0.141	0.175	58.3373	1	0.4	3	791	1346	777	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6L+0.5Le	Bottom	678.9387	13.0851	0.0999	0.141	0.5037	30.5104	1	0.4	3	791	1392	2303	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.6Lr+1.0L	Top	448.7965	12.9676	0.0984	0.14	0.1682	57.7157	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6Lr+1.0L	Bottom	678.9217	12.9676	0.0984	0.14	0.5002	30.3341	1	0.4	3	791	1392	2285	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.6G+1.0L	Top	448.8116	12.982	0.0986	0.1399	0.1694	57.7975	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6G+1.0L	Bottom	678.9368	12.982	0.0986	0.1399	0.5004	30.3505	1	0.4	3	791	1392	2288	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.6Le+1.0L	Top	448.8211	12.9911	0.0988	0.1398	0.1701	57.8487	1	0.4	3	791	1346	778	791	142	150	954	1309	0.01
N+106.8	M1	1.2D+1.6Le+1.0L	Bottom	678.9463	12.9911	0.0988	0.1398	0.5006	30.3608	1	0.4	3	791	1392	2290	1392	142	150	954	1760	0.01
N+106.8	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	-474.6905	580.7358	24.9486	10.3579	98.6582	2472.2784	1	0.4	3	791	1162	656	791	142	150	954	1309	0.44

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-244.5653	580.7358	24.9486	10.3579	71.5985	1359.7334	1	0.4	3	791	1208	1752	1208	142	150	954	1621	0.36
N+106.8	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	1372.3516	554.7355	25.1464	10.6374	98.3165	2588.078	1	0.4	3	791	1531	882	882	142	150	954	1377	0.40
N+106.8	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1602.4768	554.7355	25.1464	10.6374	72.6	1298.9914	1	0.4	3	791	1577	2805	1577	142	150	954	1898	0.29
N+106.8	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	117.606	1331.1755	15.6056	10.8869	58.8086	5622.28	1	0.4	3	791	1280	766	791	142	150	954	1309	1.02
N+106.8	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	347.7312	1331.1755	15.6056	10.8869	47.6605	3314.1184	1	0.4	3	791	1326	1812	1326	142	150	954	1710	0.78
N+106.8	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	780.0551	1305.1753	15.8034	11.1664	58.467	5738.0796	1	0.4	3	791	1413	844	844	142	150	954	1349	0.97
N+106.8	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1010.1803	1305.1753	15.8034	11.1664	48.6619	3253.3764	1	0.4	3	791	1459	2128	1459	142	150	954	1810	0.72
N+106.8	M1	0.9D+1.0Ex+0.3Ey	Top	-586.8806	577.376	24.9747	10.3944	98.61	2487.3202	1	0.4	3	791	1139	630	791	142	150	954	1309	0.44
N+106.8	M1	0.9D+1.0Ex+0.3Ey	Bottom	-414.2867	577.376	24.9747	10.3944	71.7274	1351.9624	1	0.4	3	791	1174	1655	1174	142	150	954	1596	0.36
N+106.8	M1	0.9D+1.0Ex+0.3Ey	Top	1260.1616	558.0953	25.1204	10.6009	98.3647	2573.0361	1	0.4	3	791	1509	876	876	142	150	954	1373	0.41
N+106.8	M1	0.9D+1.0Ey+0.3Ey	Bottom	1432.7555	558.0953	25.1204	10.6009	72.4711	1306.7624	1	0.4	3	791	1543	2709	1543	142	150	954	1873	0.30
N+106.8	M1	0.9D+1.0Ey+0.3Ex	Top	5.4159	1327.8157	15.6317	10.9234	58.7604	5637.3218	1	0.4	3	791	1258	742	791	142	150	954	1309	1.01
N+106.8	M1	0.9D+1.0Ey+0.3Ex	Bottom	178.0099	1327.8157	15.6317	10.9234	47.7894	3306.3474	1	0.4	3	791	1292	1729	1292	142	150	954	1685	0.79
N+106.8	M1	0.9D+1.0Ey+0.3Ex	Top	667.8651	1308.535	15.7773	11.1299	58.5152	5723.0377	1	0.4	3	791	1390	830	830	142	150	954	1338	0.98
N+106.8	M1	0.9D+1.0Ey+0.3Ex	Bottom	840.459	1308.535	15.7773	11.1299	48.533	3261.1474	1	0.4	3	791	1425	2046	1425	142	150	954	1784	0.73
N+106.8	M2	1.4D	Top	666.9006	19.1911	0.0004	0.0072	0.0199	84.8143	2	0.4	3	791	1390	821	821	142	150	954	1331	0.01
N+106.8	M2	1.4D	Bottom	935.38	19.1911	0.0004	0.0072	0.017	45.4931	2	0.4	3	791	1444	2352	1444	142	150	954	1798	0.01
N+106.8	M2	1.2D+1.6L+0.5Lr	Top	571.5528	16.6669	0.0001	0.0075	0.0145	73.8537	2	0.4	3	791	1371	803	803	142	150	954	1318	0.01
N+106.8	M2	1.2D+1.6L+0.5Lr	Bottom	801.6781	16.6669	0.0001	0.0075	0.0141	39.3145	2	0.4	3	791	1417	2306	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.6L+0.5G	Top	571.5563	16.6714	0.00002428	0.0075	0.0141	73.8794	2	0.4	3	791	1371	803	803	142	150	954	1318	0.01
N+106.8	M2	1.2D+1.6L+0.5G	Bottom	801.6815	16.6714	0.00002428	0.0075	0.0142	39.3196	2	0.4	3	791	1417	2307	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.6L+0.5Le	Top	571.5585	16.6742	0.0001	0.0075	0.0138	73.8954	2	0.4	3	791	1371	802	802	142	150	954	1318	0.01
N+106.8	M2	1.2D+1.6L+0.5Le	Bottom	801.6837	16.6742	0.0001	0.0075	0.0143	39.3227	2	0.4	3	791	1417	2308	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.6Lr+1.0L	Top	571.5614	16.5592	0.0006	0.007	0.018	73.2715	2	0.4	3	791	1371	804	804	142	150	954	1319	0.01
N+106.8	M2	1.2D+1.6Lr+1.0L	Bottom	801.6866	16.5592	0.0006	0.007	0.0137	39.1651	2	0.4	3	791	1417	2291	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.6G+1.0L	Top	571.5725	16.5736	0.0004	0.007	0.0166	73.3537	2	0.4	3	791	1371	804	804	142	150	954	1318	0.01
N+106.8	M2	1.2D+1.6G+1.0L	Bottom	801.6977	16.5736	0.0004	0.007	0.014	39.1813	2	0.4	3	791	1417	2294	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.6Le+1.0L	Top	571.5794	16.5827	0.0002	0.007	0.0157	73.405	2	0.4	3	791	1371	803	803	142	150	954	1318	0.01
N+106.8	M2	1.2D+1.6Le+1.0L	Bottom	801.7046	16.5827	0.0002	0.007	0.0142	39.1914	2	0.4	3	791	1417	2295	1417	142	150	954	1778	0.01
N+106.8	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	440.3209	421.3577	13.4772	1.0085	55.2968	1716.519	2	0.4	3	791	1345	857	857	142	150	954	1359	0.31
N+106.8	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	670.4461	421.3577	13.4772	1.0085	37.3682	1002.5407	2	0.4	3	791	1391	2186	1391	142	150	954	1759	0.24
N+106.8	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	702.8517	388.1742	13.4771	1.0225	55.3265	1863.4318	2	0.4	3	791	1397	758	791	142	150	954	1309	0.30
N+106.8	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	932.9769	388.1742	13.4771	1.0225	37.397	924.1377	2	0.4	3	791	1443	2326	1443	142	150	954	1798	0.22
N+106.8	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	159.1337	1319.6835	5.1872	2.1755	21.5056	5679.7785	2	0.4	3	791	1288	758	791	142	150	954	1309	1.01
N+106.8	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	389.2589	1319.6835	5.1872	2.1755	14.0883	3147.7157	2	0.4	3	791	1334	2021	1334	142	150	954	1716	0.77
N+106.8	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	984.0389	1286.5	5.1871	2.1894	21.5353	5826.6913	2	0.4	3	791	1453	850	850	142	150	954	1353	0.95
N+106.8	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1214.1641	1286.5	5.1871	2.1894	14.1171	3069.3128	2	0.4	3	791	1499	2467	1499	142	150	954	1840	0.70
N+106.8	M2	0.9D+1.0Ex+0.3Ey	Top	297.4564	417.1031	13.4774	1.0109	55.2989	1735.4519	2	0.4	3	791	1316	811	811	142	150	954	1324	0.32
N+106.8	M2	0.9D+1.0Ex+0.3Ey	Bottom	470.0503	417.1031	13.4774	1.0109	37.3717	992.5848	2	0.4	3	791	1351	2076	1351	142	150	954	1729	0.24
N+106.8	M2	0.9D+1.0Ex+0.3Ey	Top	559.9873	392.4288	13.4768	1.0201	55.3245	1844.4989	2	0.4	3	791	1369	753	791	142	150	954	1309	0.30
N+106.8	M2	0.9D+1.0Ex+0.3Ey	Bottom	732.5812	392.4288	13.4768	1.0201	37.3935	934.0936	2	0.4	3	791	1403	2218	1403	142	150	954	1768	0.22
N+106.8	M2	0.9D+1.0Ey+0.3Ex	Top	16.2692	1315.4289	5.1874	2.1778	21.5077	5698.7114	2	0.4	3	791	1260	728	791	142	150	954	1309	1.00
N+106.8	M2	0.9D+1.0Ey+0.3Ex	Bottom	188.8631	1315.4289	5.1874	2.1778	14.0918	3137.7599	2	0.4	3	791	1294	1912	1294	142	150	954	1686	0.78
N+106.8	M2	0.9D+1.0Ey+0.3Ex	Top	841.1744	1290.7546	5.1869	2.1871	21.5333	5807.7584	2	0.4	3	791	1425	833	833	142	150	954	1340	0.96
N+106.8	M2	0.9D+1.0Ey+0.3Ex	Bottom	1013.7683	1290.7546	5.1869	2.1871	14.1136	3079.2687	2	0.4	3	791	1459	2359	1459	142	150	954	1810	0.71
N+106.8	M3	1.4D	Top	621.898	13.5048	0.0025	0.0098	0.0023	51.2082	6	0.4	3	791	1381	972	972	142	150	954	1445	0.01
N+106.8	M3	1.4D	Bottom	890.3774	13.5048	0.0025	0.0098	0.0143	40.4897	6	0.4	3	791	1435	1450	1435	142	150	954	1792	0.01
N+106.8	M3	1.2D+1.6L+0.5Lr	Top	533.1166	11.3633	0.0021	0.0096	0.0032	42.8008	6	0.4	3	791	1363	962	962	142	150	954	1437	0.01
N+106.8	M3	1.2D+1.6L+0.5Lr	Bottom	763.2418	11.3633	0.0021	0.0096	0.0113	34.3557	6	0.4	3	791	1409	1390	1390	142	150	954	1758	0.01
N+106.8	M3	1.2D+1.6L+0.5G	Top	533.1125	11.3581	0.0022	0.0096	0.0035	42.7715	6	0.4	3	791	1363	962	962	142	150	954	1437	0.01
N+106.8	M3	1.2D+1.6L+0.5G	Bottom	763.2377	11.3581	0.0022	0.0096	0.0114	34.3498	6	0.4	3	791	1409	1389	1389	142	150	954	1757	0.01
N+106.8	M3	1.2D+1.6L+0.5Le	Top	533.1099	11.3548	0.0022	0.0096	0.0037	42.7533	6	0.4	3	791	1363	962	962	142	150	954	1437	0.01
N+106.8	M3	1.2D+1.6L+0.5Le	Bottom	763.2351	11.3548	0.0022	0.0096	0.0114	34.3461	6	0.4	3	791	1409	1389	1389	142	150	954	1757	0.01
N+106.8	M3	1.2D+1.6Lr+1.0L	Top	533.1177	11.4729	0.0018	0.0091	0.001	43.3796	6	0.4	3	791	1363	957	957	142	150	954	1433	0.01
N+106.8	M3	1.2D+1.6Lr+1.0L	Bottom	763.2429	11.4729	0.0018	0.0091	0.0114	34.5212	6	0.4	3	791	1409	1401	1401	142	150	954	1766	0.01
N+106.8	M3	1.2D+1.6G+1.0L	Top	533.1044	11.4563	0.002	0.0091	0.002	43.2861	6	0.4	3	791	1363	958	958	142	150	954	1434	0.01
N+106.8	M3	1.2D+1.6G+1.0L	Bottom	763.2296	11.4563	0.002	0.0091	0.0116	34.5022	6	0.4	3	791	1409	1399	1399	142	150	954	1765	0.01
N+106.8	M3	1.2D+1.6Le+1.0L	Top	533.0961	11.4459	0.0021	0.0091	0.0026	43.2276	6	0.4	3	791	1363	958	958	142	150	954	1434	0.01
N+106.8	M3	1.2D+1.6Le+1.0L	Bottom	763.2213	11.4459	0.0021	0.0091	0.0117	34.4904	6	0.4	3	791	1409	1397	1397	142	150	954	1764	0.01
N+106.8	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	422.8501	382.3112	12.6928	0.6544	51.5951	1727.5837	6	0.4	3	791	1341	762	791	142	150	954	1309	0.29
N+106.8	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	652.9753	382.3112	12.6928	0.6544	35.8338	958.7135	6	0.4	3	791	1387	1929	1387	142	150	954	1756	0.22

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	643.3256	405.1823	12.6972	0.6726	51.5888	1641.2454	6	0.4	3	791	1385	901	901	142	150	954	1392	0.29
N+106.8	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	873.4508	405.1823	12.6972	0.6726	35.8573	1027.6706	6	0.4	3	791	1431	1984	1431	142	150	954	1789	0.23
N+106.8	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	179.4401	1257.0334	4.2672	1.8956	17.4026	5465.9838	6	0.4	3	791	1292	753	791	142	150	954	1309	0.96
N+106.8	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	409.5654	1257.0334	4.2672	1.8956	11.9833	3168.6847	6	0.4	3	791	1338	1793	1338	142	150	954	1720	0.73
N+106.8	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	886.7356	1279.9046	4.2716	1.9138	17.3963	5379.6455	6	0.4	3	791	1434	907	907	142	150	954	1396	0.92
N+106.8	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1116.8608	1279.9046	4.2716	1.9138	12.0068	3237.6418	6	0.4	3	791	1480	2109	1480	142	150	954	1826	0.70
N+106.8	M3	0.9D+1.0Ex+0.3Ey	Top	289.5538	385.0651	12.6935	0.6572	51.5934	1717.3341	6	0.4	3	791	1314	751	791	142	150	954	1309	0.29
N+106.8	M3	0.9D+1.0Ex+0.3Ey	Bottom	462.1477	385.0651	12.6935	0.6572	35.8364	967.1629	6	0.4	3	791	1349	1832	1349	142	150	954	1727	0.22
N+106.8	M3	0.9D+1.0Ex+0.3Ey	Top	510.0293	402.4284	12.6966	0.6698	51.5904	1651.495	6	0.4	3	791	1359	863	863	142	150	954	1363	0.30
N+106.8	M3	0.9D+1.0Ex+0.3Ey	Bottom	682.6232	402.4284	12.6966	0.6698	35.8548	1019.2211	6	0.4	3	791	1393	1902	1393	142	150	954	1760	0.23
N+106.8	M3	0.9D+1.0Ey+0.3Ex	Top	46.1439	1259.7873	4.2679	1.8985	17.401	5455.7342	6	0.4	3	791	1266	734	791	142	150	954	1309	0.96
N+106.8	M3	0.9D+1.0Ey+0.3Ex	Bottom	218.7378	1259.7873	4.2679	1.8985	11.9858	3177.1342	6	0.4	3	791	1300	1702	1300	142	150	954	1691	0.75
N+106.8	M3	0.9D+1.0Ey+0.3Ex	Top	753.4393	1277.1507	4.271	1.911	17.398	5389.8951	6	0.4	3	791	1407	879	879	142	150	954	1375	0.93
N+106.8	M3	0.9D+1.0Ey+0.3Ex	Bottom	926.0332	1277.1507	4.271	1.911	12.0042	3229.1923	6	0.4	3	791	1442	2022	1442	142	150	954	1797	0.71
N+106.8	M4	1.4D	Top	503.4327	13.8683	0.0027	0.0014	0.0028	73.4405	8	0.4	1.5	396	729	220	396	142	150	477	655	0.02
N+106.8	M4	1.4D	Bottom	637.6724	13.8683	0.0027	0.0014	0.0154	20.7251	8	0.4	1.5	396	756	791	756	142	150	477	925	0.01
N+106.8	M4	1.2D+1.6L+0.5Lr	Top	431.374	11.9362	0.0022	0.0018	0.0027	63.1916	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6L+0.5Lr	Bottom	546.4366	11.9362	0.0022	0.0018	0.0125	17.8555	8	0.4	1.5	396	738	760	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.6L+0.5G	Top	431.3812	11.9366	0.0023	0.0018	0.0028	63.1934	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6L+0.5G	Bottom	546.4438	11.9366	0.0023	0.0018	0.0126	17.8562	8	0.4	1.5	396	738	760	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.6L+0.5Le	Top	431.3858	11.9369	0.0023	0.0018	0.0029	63.1945	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6L+0.5Le	Bottom	546.4484	11.9369	0.0023	0.0018	0.0126	17.8567	8	0.4	1.5	396	738	760	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.6Lr+1.0L	Top	431.3844	11.9156	0.0022	0.0016	0.0019	63.0902	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6Lr+1.0L	Bottom	546.447	11.9156	0.0022	0.0016	0.0127	17.8168	8	0.4	1.5	396	738	761	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.6G+1.0L	Top	431.4076	11.9168	0.0022	0.0016	0.0023	63.0959	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6G+1.0L	Bottom	546.4702	11.9168	0.0022	0.0016	0.0127	17.8193	8	0.4	1.5	396	738	761	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.6Le+1.0L	Top	431.4221	11.9176	0.0022	0.0016	0.0025	63.0995	8	0.4	1.5	396	715	216	396	142	150	477	655	0.02
N+106.8	M4	1.2D+1.6Le+1.0L	Bottom	546.4847	11.9176	0.0022	0.0016	0.0128	17.8208	8	0.4	1.5	396	738	761	738	142	150	477	911	0.01
N+106.8	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	192.235	103.8514	6.2119	0.3091	25.2819	334.9411	8	0.4	1.5	396	667	276	396	142	150	477	655	0.16
N+106.8	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	307.2976	103.8514	6.2119	0.3091	17.5236	244.3545	8	0.4	1.5	396	690	380	396	142	150	477	655	0.16
N+106.8	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	670.6381	80.0147	6.2165	0.3123	25.2764	461.1474	8	0.4	1.5	396	762	218	396	142	150	477	655	0.12
N+106.8	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	785.7007	80.0147	6.2165	0.3123	17.5492	208.7098	8	0.4	1.5	396	785	406	406	142	150	477	662	0.12
N+106.8	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	-340.23	308.2483	1.9698	0.9056	8.0786	1219.5244	8	0.4	1.5	396	560	200	396	142	150	477	655	0.47
N+106.8	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-225.1674	308.2483	1.9698	0.9056	5.5038	748.3975	8	0.4	1.5	396	583	292	396	142	150	477	655	0.47
N+106.8	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	1203.1032	284.4116	1.9743	0.9088	8.0732	1345.7307	8	0.4	1.5	396	869	277	396	142	150	477	655	0.43
N+106.8	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1318.1658	284.4116	1.9743	0.9088	5.5294	712.7528	8	0.4	1.5	396	892	495	495	142	150	477	729	0.39
N+106.8	M4	0.9D+1.0Ex+0.3Ey	Top	84.4337	100.8484	6.2125	0.3098	25.2809	350.8325	8	0.4	1.5	396	645	252	396	142	150	477	655	0.15
N+106.8	M4	0.9D+1.0Ex+0.3Ey	Bottom	170.7307	100.8484	6.2125	0.3098	17.5265	239.8554	8	0.4	1.5	396	662	356	396	142	150	477	655	0.15
N+106.8	M4	0.9D+1.0Ex+0.3Ey	Top	562.8369	83.0178	6.2159	0.3116	25.2774	445.256	8	0.4	1.5	396	741	221	396	142	150	477	655	0.13
N+106.8	M4	0.9D+1.0Ex+0.3Ey	Bottom	649.1338	83.0178	6.2159	0.3116	17.5462	213.2089	8	0.4	1.5	396	758	394	396	142	150	477	655	0.13
N+106.8	M4	0.9D+1.0Ey+0.3Ex	Top	-448.0313	305.2453	1.9703	0.9063	8.0777	1235.4158	8	0.4	1.5	396	539	190	396	142	150	477	655	0.47
N+106.8	M4	0.9D+1.0Ey+0.3Ex	Bottom	-361.7344	305.2453	1.9703	0.9063	5.5067	743.8984	8	0.4	1.5	396	556	272	396	142	150	477	655	0.47
N+106.8	M4	0.9D+1.0Ey+0.3Ex	Top	1095.3019	287.4147	1.9738	0.9081	8.0741	1329.8393	8	0.4	1.5	396	847	274	396	142	150	477	655	0.44
N+106.8	M4	0.9D+1.0Ey+0.3Ex	Bottom	1181.5989	287.4147	1.9738	0.9081	5.5265	717.2519	8	0.4	1.5	396	865	479	479	142	150	477	717	0.40
N+106.8	M5	1.4D	Top	507.7867	12.5139	0.0024	0.0068	0.0014	67.6996	8	0.4	1.5	396	730	217	396	142	150	477	655	0.02
N+106.8	M5	1.4D	Bottom	642.0264	12.5139	0.0024	0.0068	0.0149	17.2696	8	0.4	1.5	396	757	915	757	142	150	477	925	0.01
N+106.8	M5	1.2D+1.6L+0.5Lr	Top	435.3855	10.677	0.0019	0.0064	0.001	57.7856	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6L+0.5Lr	Bottom	550.4481	10.677	0.0019	0.0064	0.0122	14.7114	8	0.4	1.5	396	738	883	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.6L+0.5G	Top	435.3783	10.6766	0.0019	0.0064	0.001	57.7838	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6L+0.5G	Bottom	550.4409	10.6766	0.0019	0.0064	0.0122	14.7106	8	0.4	1.5	396	738	883	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.6L+0.5Le	Top	435.3737	10.6764	0.0019	0.0064	0.001	57.7827	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6L+0.5Le	Bottom	550.4363	10.6764	0.0019	0.0064	0.0122	14.7101	8	0.4	1.5	396	738	883	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.6Lr+1.0L	Top	435.3751	10.6977	0.002	0.0062	0.0009	57.887	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6Lr+1.0L	Bottom	550.4377	10.6977	0.002	0.0062	0.0125	14.7501	8	0.4	1.5	396	738	882	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.6G+1.0L	Top	435.3519	10.6964	0.002	0.0062	0.001	57.8813	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6G+1.0L	Bottom	550.4145	10.6964	0.002	0.0062	0.0124	14.7476	8	0.4	1.5	396	738	882	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.6Le+1.0L	Top	435.3374	10.6957	0.002	0.0062	0.0011	57.8777	8	0.4	1.5	396	715	214	396	142	150	477	655	0.02
N+106.8	M5	1.2D+1.6Le+1.0L	Bottom	550.4	10.6957	0.002	0.0062	0.0124	14.746	8	0.4	1.5	396	738	882	738	142	150	477	912	0.01
N+106.8	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	196.0884	81.227	6.2126	0.3057	25.2811	455.8701	8	0.4	1.5	396	667	198	396	142	150	477	655	0.12
N+106.8	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	311.1511	81.227	6.2126	0.3057	17.53	211.76	8	0.4	1.5	396	690	345	396	142	150	477	655	0.12
N+106.8	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	674.5574	102.6168	6.2166	0.3182	25.2789	340.122	8	0.4	1.5	396	763	316	396	142	150	477	655	0.16

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	789.62	102.6168	6.2166	0.3182	17.5548	241.2489	8	0.4	1.5	396	786	453	453	142	150	477	697	0.15
N+106.8	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	-336.3534	285.6318	1.9608	0.9014	8.0743	1340.4875	8	0.4	1.5	396	561	184	396	142	150	477	655	0.44
N+106.8	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-221.2908	285.6318	1.9608	0.9014	5.4525	715.8226	8	0.4	1.5	396	584	285	396	142	150	477	655	0.44
N+106.8	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	1206.9992	307.0216	1.9648	0.9138	8.0721	1224.7394	8	0.4	1.5	396	870	314	396	142	150	477	655	0.47
N+106.8	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1322.0618	307.0216	1.9648	0.9138	5.4773	745.3115	8	0.4	1.5	396	893	514	514	142	150	477	743	0.41
N+106.8	M5	0.9D+1.0Ex+0.3Ey	Top	87.1999	83.8773	6.213	0.3076	25.2809	441.5172	8	0.4	1.5	396	646	198	396	142	150	477	655	0.13
N+106.8	M5	0.9D+1.0Ex+0.3Ey	Bottom	173.4968	83.8773	6.213	0.3076	17.5328	215.4026	8	0.4	1.5	396	663	331	396	142	150	477	655	0.13
N+106.8	M5	0.9D+1.0Ex+0.3Ey	Top	565.6688	99.9665	6.2161	0.3163	25.2791	354.4749	8	0.4	1.5	396	741	290	396	142	150	477	655	0.15
N+106.8	M5	0.9D+1.0Ex+0.3Ey	Bottom	651.9657	99.9665	6.2161	0.3163	17.552	237.6063	8	0.4	1.5	396	759	427	427	142	150	477	678	0.15
N+106.8	M5	0.9D+1.0Ey+0.3Ex	Top	-445.242	288.2821	1.9613	0.9032	8.074	1326.1346	8	0.4	1.5	396	539	179	396	142	150	477	655	0.44
N+106.8	M5	0.9D+1.0Ey+0.3Ex	Bottom	-358.9451	288.2821	1.9613	0.9032	5.4553	719.4652	8	0.4	1.5	396	556	267	396	142	150	477	655	0.44
N+106.8	M5	0.9D+1.0Ey+0.3Ex	Top	1098.1106	304.3714	1.9644	0.912	8.0723	1239.0923	8	0.4	1.5	396	848	301	396	142	150	477	655	0.47
N+106.8	M5	0.9D+1.0Ey+0.3Ex	Bottom	1184.4076	304.3714	1.9644	0.912	5.4745	741.669	8	0.4	1.5	396	865	492	492	142	150	477	727	0.42
N+106.8	M6	1.4D	Top	619.8096	18.9122	0.0005	0.007	0.005	72.884	6	0.4	3	791	1380	952	952	142	150	954	1430	0.01
N+106.8	M6	1.4D	Bottom	888.289	18.9122	0.0005	0.007	0.0083	55.5301	6	0.4	3	791	1434	1502	1434	142	150	954	1791	0.01
N+106.8	M6	1.2D+1.6L+0.5Lr	Top	531.2042	16.4228	0.0001	0.0072	0.0051	63.564	6	0.4	3	791	1363	929	929	142	150	954	1413	0.01
N+106.8	M6	1.2D+1.6L+0.5Lr	Bottom	761.3294	16.4228	0.0001	0.0072	0.0056	47.9469	6	0.4	3	791	1409	1474	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.6L+0.5G	Top	531.2083	16.428	0.0001	0.0072	0.0052	63.5932	6	0.4	3	791	1363	929	929	142	150	954	1412	0.01
N+106.8	M6	1.2D+1.6L+0.5G	Bottom	761.3335	16.428	0.0001	0.0072	0.0055	47.9528	6	0.4	3	791	1409	1474	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.6L+0.5Le	Top	531.2109	16.4312	0.0001	0.0072	0.0052	63.6115	6	0.4	3	791	1363	929	929	142	150	954	1412	0.01
N+106.8	M6	1.2D+1.6L+0.5Le	Bottom	761.3361	16.4312	0.0001	0.0072	0.0055	47.9565	6	0.4	3	791	1409	1474	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.6Lr+1.0L	Top	531.2032	16.3132	0.0002	0.0067	0.0047	62.9851	6	0.4	3	791	1363	932	932	142	150	954	1415	0.01
N+106.8	M6	1.2D+1.6Lr+1.0L	Bottom	761.3284	16.3132	0.0002	0.0067	0.0064	47.7815	6	0.4	3	791	1409	1465	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.6G+1.0L	Top	531.2164	16.3298	0.0002	0.0067	0.0048	63.0787	6	0.4	3	791	1363	931	931	142	150	954	1414	0.01
N+106.8	M6	1.2D+1.6G+1.0L	Bottom	761.3416	16.3298	0.0002	0.0067	0.0063	47.8004	6	0.4	3	791	1409	1467	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.6Le+1.0L	Top	531.2247	16.3401	0.0002	0.0067	0.0048	63.1371	6	0.4	3	791	1363	931	931	142	150	954	1414	0.01
N+106.8	M6	1.2D+1.6Le+1.0L	Bottom	761.3499	16.3401	0.0002	0.0067	0.0062	47.8123	6	0.4	3	791	1409	1468	1409	142	150	954	1772	0.01
N+106.8	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	420.2867	409.8323	12.6987	0.6427	51.5885	1619.7309	6	0.4	3	791	1341	884	884	142	150	954	1379	0.30
N+106.8	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	650.4119	409.8323	12.6987	0.6427	35.8707	1040.7171	6	0.4	3	791	1387	1876	1387	142	150	954	1756	0.23
N+106.8	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	642.1792	377.1313	12.6991	0.6562	51.5981	1746.122	6	0.4	3	791	1385	777	791	142	150	954	1309	0.29
N+106.8	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	872.3045	377.1313	12.6991	0.6562	35.8829	945.0689	6	0.4	3	791	1431	2037	1431	142	150	954	1789	0.21
N+106.8	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	177.3817	1284.7418	4.2499	1.8938	17.3891	5359.1829	6	0.4	3	791	1292	787	791	142	150	954	1309	0.98
N+106.8	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	407.5069	1284.7418	4.2499	1.8938	11.865	3250.8996	6	0.4	3	791	1338	1777	1338	142	150	954	1719	0.75
N+106.8	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	885.0842	1252.0409	4.2503	1.9073	17.3988	5485.574	6	0.4	3	791	1434	865	865	142	150	954	1364	0.92
N+106.8	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1115.2094	1252.0409	4.2503	1.9073	11.8772	3155.2514	6	0.4	3	791	1480	2126	1480	142	150	954	1825	0.69
N+106.8	M6	0.9D+1.0Ex+0.3Ey	Top	287.5027	405.6396	12.6986	0.645	51.5901	1636.0725	6	0.4	3	791	1314	838	838	142	150	954	1344	0.30
N+106.8	M6	0.9D+1.0Ex+0.3Ey	Bottom	460.0966	405.6396	12.6986	0.645	35.8714	1028.5909	6	0.4	3	791	1349	1794	1349	142	150	954	1727	0.23
N+106.8	M6	0.9D+1.0Ex+0.3Ey	Top	509.3953	381.3239	12.6992	0.654	51.5965	1729.7804	6	0.4	3	791	1358	773	791	142	150	954	1309	0.29
N+106.8	M6	0.9D+1.0Ex+0.3Ey	Bottom	681.9892	381.3239	12.6992	0.654	35.8821	957.1951	6	0.4	3	791	1393	1939	1393	142	150	954	1760	0.22
N+106.8	M6	0.9D+1.0Ey+0.3Ex	Top	44.5977	1280.5492	4.2498	1.896	17.3908	5375.5245	6	0.4	3	791	1265	758	791	142	150	954	1309	0.98
N+106.8	M6	0.9D+1.0Ey+0.3Ex	Bottom	217.1916	1280.5492	4.2498	1.896	11.8658	3238.7734	6	0.4	3	791	1300	1690	1300	142	150	954	1691	0.76
N+106.8	M6	0.9D+1.0Ey+0.3Ex	Top	752.3003	1256.2335	4.2504	1.905	17.3972	5469.2324	6	0.4	3	791	1407	848	848	142	150	954	1352	0.93
N+106.8	M6	0.9D+1.0Ey+0.3Ex	Bottom	924.8942	1256.2335	4.2504	1.905	11.8765	3167.3776	6	0.4	3	791	1441	2034	1441	142	150	954	1797	0.70
N+106.8	M7	1.4D	Top	669.1728	13.5452	0.0061	0.0107	0.043	61.2116	2	0.4	3	791	1390	802	802	142	150	954	1317	0.01
N+106.8	M7	1.4D	Bottom	937.6522	13.5452	0.0061	0.0107	0.0015	30.76	2	0.4	3	791	1444	2628	1444	142	150	954	1799	0.01
N+106.8	M7	1.2D+1.6L+0.5Lr	Top	573.6529	11.3929	0.0059	0.0104	0.0391	51.3122	2	0.4	3	791	1371	789	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6L+0.5Lr	Bottom	803.7781	11.3929	0.0059	0.0104	0.0007	26.0455	2	0.4	3	791	1417	2499	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.6L+0.5G	Top	573.6494	11.3883	0.0059	0.0104	0.0393	51.2864	2	0.4	3	791	1371	789	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6L+0.5G	Bottom	803.7746	11.3883	0.0059	0.0104	0.0008	26.0404	2	0.4	3	791	1417	2498	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.6L+0.5Le	Top	573.6473	11.3855	0.0059	0.0104	0.0394	51.2703	2	0.4	3	791	1371	789	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6L+0.5Le	Bottom	803.7725	11.3855	0.0059	0.0104	0.0009	26.0373	2	0.4	3	791	1417	2497	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.6Lr+1.0L	Top	573.6443	11.5007	0.0054	0.01	0.0373	51.8948	2	0.4	3	791	1371	788	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6Lr+1.0L	Bottom	803.7695	11.5007	0.0054	0.01	0.0005	26.195	2	0.4	3	791	1417	2524	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.6G+1.0L	Top	573.6333	11.4862	0.0055	0.01	0.0378	51.8122	2	0.4	3	791	1371	788	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6G+1.0L	Bottom	803.7585	11.4862	0.0055	0.01	0.0002	26.1788	2	0.4	3	791	1417	2520	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.6Le+1.0L	Top	573.6264	11.4771	0.0056	0.01	0.0382	51.7606	2	0.4	3	791	1371	788	791	142	150	954	1309	0.01
N+106.8	M7	1.2D+1.6Le+1.0L	Bottom	803.7516	11.4771	0.0056	0.01	0.0001	26.1686	2	0.4	3	791	1417	2517	1417	142	150	954	1779	0.01
N+106.8	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	443.3952	395.6173	13.4977	0.9868	55.2813	1853.0566	2	0.4	3	791	1345	738	791	142	150	954	1309	0.30
N+106.8	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	673.5204	395.6173	13.4977	0.9868	37.4877	941.1606	2	0.4	3	791	1391	2189	1391	142	150	954	1759	0.22
N+106.8	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	703.8437	418.5533	13.4863	1.0067	55.3583	1749.6385	2	0.4	3	791	1397	880	880	142	150	954	1375	0.30
N+106.8	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	933.9689	418.5533	13.4863	1.0067	37.4875	993.4774	2	0.4	3	791	1443	2344	1443	142	150	954	1798	0.23

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	161.5097	1292.2933	5.1757	2.1668	21.4783	5808.2157	2	0.4	3	791	1289	725	791	142	150	954	1309	0.99
N+106.8	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	391.6349	1292.2933	5.1757	2.1668	13.9946	3083.5118	2	0.4	3	791	1335	2020	1335	142	150	954	1717	0.75
N+106.8	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	985.7292	1315.2292	5.1644	2.1867	21.5552	5704.7976	2	0.4	3	791	1454	891	891	142	150	954	1384	0.95
N+106.8	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1215.8544	1315.2292	5.1644	2.1867	13.9944	3135.8287	2	0.4	3	791	1500	2472	1500	142	150	954	1840	0.71
N+106.8	M7	0.9D+1.0Ex+0.3Ey	Top	299.9582	398.3777	13.496	0.9898	55.2922	1840.6979	2	0.4	3	791	1317	726	791	142	150	954	1309	0.30
N+106.8	M7	0.9D+1.0Ex+0.3Ey	Bottom	472.5521	398.3777	13.496	0.9898	37.4867	947.5447	2	0.4	3	791	1351	2080	1351	142	150	954	1729	0.23
N+106.8	M7	0.9D+1.0Ex+0.3Ey	Top	560.4068	415.7929	13.4881	1.0036	55.3474	1761.9972	2	0.4	3	791	1369	841	841	142	150	954	1346	0.31
N+106.8	M7	0.9D+1.0Ex+0.3Ey	Bottom	733.0007	415.7929	13.4881	1.0036	37.4886	987.0932	2	0.4	3	791	1403	2233	1403	142	150	954	1768	0.24
N+106.8	M7	0.9D+1.0Ey+0.3Ex	Top	18.0727	1295.0537	5.174	2.1699	21.4891	5795.857	2	0.4	3	791	1260	705	791	142	150	954	1309	0.99
N+106.8	M7	0.9D+1.0Ey+0.3Ex	Bottom	190.6667	1295.0537	5.174	2.1699	13.9936	3089.896	2	0.4	3	791	1295	1912	1295	142	150	954	1687	0.77
N+106.8	M7	0.9D+1.0Ey+0.3Ex	Top	842.2923	1312.4689	5.1661	2.1837	21.5444	5717.1563	2	0.4	3	791	1425	863	863	142	150	954	1363	0.96
N+106.8	M7	0.9D+1.0Ey+0.3Ex	Bottom	1014.8862	1312.4689	5.1661	2.1837	13.9955	3129.4445	2	0.4	3	791	1459	2362	1459	142	150	954	1810	0.73
N+106.8	M8	1.4D	Top	524.1392	9.5006	0.0645	0.1059	0.0125	44.4459	1	0.4	3	791	1361	751	791	142	150	954	1309	0.01
N+106.8	M8	1.4D	Bottom	792.6186	9.5006	0.0645	0.1059	0.4253	20.063	1	0.4	3	791	1415	3137	1415	142	150	954	1777	0.01
N+106.8	M8	1.2D+1.6L+0.5Lr	Top	449.2904	7.9242	0.0525	0.0876	0.001	36.9652	1	0.4	3	791	1346	742	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6L+0.5Lr	Bottom	679.4156	7.9242	0.0525	0.0876	0.3552	16.8399	1	0.4	3	791	1392	2988	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.6L+0.5G	Top	449.289	7.9192	0.0524	0.0877	0.0008	36.937	1	0.4	3	791	1346	742	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6L+0.5G	Bottom	679.4142	7.9192	0.0524	0.0877	0.3551	16.8342	1	0.4	3	791	1392	2985	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.6L+0.5Le	Top	449.2881	7.9161	0.0524	0.0877	0.0007	36.9194	1	0.4	3	791	1346	742	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6L+0.5Le	Bottom	679.4133	7.9161	0.0524	0.0877	0.3551	16.8306	1	0.4	3	791	1392	2983	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.6Lr+1.0L	Top	449.2881	8.0353	0.0537	0.0887	0.0056	37.5529	1	0.4	3	791	1346	741	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6Lr+1.0L	Bottom	679.4133	8.0353	0.0537	0.0887	0.3593	17.0068	1	0.4	3	791	1392	3026	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.6G+1.0L	Top	449.2836	8.0193	0.0536	0.0888	0.0051	37.4626	1	0.4	3	791	1346	741	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6G+1.0L	Bottom	679.4088	8.0193	0.0536	0.0888	0.359	16.9886	1	0.4	3	791	1392	3017	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.6Le+1.0L	Top	449.2807	8.0093	0.0535	0.0888	0.0047	37.4062	1	0.4	3	791	1346	741	791	142	150	954	1309	0.01
N+106.8	M8	1.2D+1.6Le+1.0L	Bottom	679.4059	8.0093	0.0535	0.0888	0.3588	16.9772	1	0.4	3	791	1392	3012	1392	142	150	954	1760	0.00
N+106.8	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	-471.9493	563.3157	25.0274	10.581	98.5492	2582.3496	1	0.4	3	791	1162	612	791	142	150	954	1309	0.43
N+106.8	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-241.8241	563.3157	25.0274	10.581	71.9156	1321.6958	1	0.4	3	791	1208	1745	1208	142	150	954	1622	0.35
N+106.8	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	1370.5049	579.3144	25.1343	10.4033	98.5404	2507.6501	1	0.4	3	791	1531	959	959	142	150	954	1435	0.40
N+106.8	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1600.6301	579.3144	25.1343	10.4033	72.6328	1355.6273	1	0.4	3	791	1577	2809	1577	142	150	954	1898	0.31
N+106.8	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	116.1664	1310.9149	15.6381	11.1149	58.6492	5719.9936	1	0.4	3	791	1280	740	791	142	150	954	1309	1.00
N+106.8	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	346.2916	1310.9149	15.6381	11.1149	47.7093	3269.287	1	0.4	3	791	1326	1805	1326	142	150	954	1710	0.77
N+106.8	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	782.3893	1326.9136	15.745	10.9372	58.6404	5645.2941	1	0.4	3	791	1413	876	876	142	150	954	1373	0.97
N+106.8	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1012.5145	1326.9136	15.745	10.9372	48.4265	3303.2185	1	0.4	3	791	1459	2135	1459	142	150	954	1810	0.73
N+106.8	M8	0.9D+1.0Ex+0.3Ey	Top	-584.2805	565.2076	25.0394	10.5602	98.5528	2573.5722	1	0.4	3	791	1140	598	791	142	150	954	1309	0.43
N+106.8	M8	0.9D+1.0Ex+0.3Ey	Bottom	-411.6866	565.2076	25.0394	10.5602	72.0008	1325.7639	1	0.4	3	791	1174	1650	1174	142	150	954	1596	0.35
N+106.8	M8	0.9D+1.0Ex+0.3Ey	Top	1258.1738	577.4226	25.1223	10.4241	98.5367	2516.4275	1	0.4	3	791	1508	932	932	142	150	954	1415	0.41
N+106.8	M8	0.9D+1.0Ex+0.3Ey	Bottom	1430.7677	577.4226	25.1223	10.4241	72.5476	1351.5592	1	0.4	3	791	1543	2710	1543	142	150	954	1873	0.31
N+106.8	M8	0.9D+1.0Ey+0.3Ex	Top	3.8352	1312.8068	15.6501	11.0941	58.6528	5711.2162	1	0.4	3	791	1257	723	791	142	150	954	1309	1.00
N+106.8	M8	0.9D+1.0Ey+0.3Ex	Bottom	176.4291	1312.8068	15.6501	11.0941	47.7945	3273.3551	1	0.4	3	791	1292	1723	1292	142	150	954	1685	0.78
N+106.8	M8	0.9D+1.0Ey+0.3Ex	Top	670.0581	1325.0218	15.733	10.958	58.6367	5654.0716	1	0.4	3	791	1391	853	853	142	150	954	1356	0.98
N+106.8	M8	0.9D+1.0Ey+0.3Ex	Bottom	842.652	1325.0218	15.733	10.958	48.3413	3299.1504	1	0.4	3	791	1425	2052	1425	142	150	954	1784	0.74
N+106.8	M9	1.4D	Top	521.1313	13.1728	0.1383	0.162	0.276	59.5061	1	0.4	3	791	1361	778	791	142	150	954	1309	0.01
N+106.8	M9	1.4D	Bottom	789.6107	13.1728	0.1383	0.162	0.6628	29.9375	1	0.4	3	791	1414	2530	1414	142	150	954	1777	0.01
N+106.8	M9	1.2D+1.6L+0.5Lr	Top	446.5233	11.3989	0.1218	0.1423	0.255	51.4692	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6L+0.5Lr	Bottom	676.6485	11.3989	0.1218	0.1423	0.572	25.9292	1	0.4	3	791	1392	2454	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.6L+0.5G	Top	446.5313	11.3994	0.122	0.1422	0.2559	51.4714	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6L+0.5G	Bottom	676.6565	11.3994	0.122	0.1422	0.5724	25.9304	1	0.4	3	791	1392	2454	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.6L+0.5Le	Top	446.5363	11.3997	0.1221	0.1422	0.2566	51.4727	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6L+0.5Le	Bottom	676.6615	11.3997	0.1221	0.1422	0.5727	25.9313	1	0.4	3	791	1392	2454	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.6Lr+1.0L	Top	446.5371	11.3555	0.1194	0.1412	0.2424	51.2829	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6Lr+1.0L	Bottom	676.6623	11.3555	0.1194	0.1412	0.5683	25.821	1	0.4	3	791	1392	2456	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.6G+1.0L	Top	446.5628	11.3571	0.12	0.1411	0.2455	51.2897	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6G+1.0L	Bottom	676.688	11.3571	0.12	0.1411	0.5696	25.8251	1	0.4	3	791	1392	2456	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.6Le+1.0L	Top	446.5788	11.3581	0.1204	0.141	0.2475	51.294	1	0.4	3	791	1346	767	791	142	150	954	1309	0.01
N+106.8	M9	1.2D+1.6Le+1.0L	Bottom	676.704	11.3581	0.1204	0.141	0.5703	25.8277	1	0.4	3	791	1392	2456	1392	142	150	954	1760	0.01
N+106.8	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	49.6869	1259.7282	14.1472	9.0454	52.293	5467.741	1	0.4	3	791	1266	733	791	142	150	954	1309	0.96
N+106.8	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	279.8121	1259.7282	14.1472	9.0454	43.4319	3201.4473	1	0.4	3	791	1312	1702	1312	142	150	954	1700	0.74
N+106.8	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	843.5027	1282.4464	13.9055	9.3272	52.7919	5365.1446	1	0.4	3	791	1425	904	904	142	150	954	1394	0.92
N+106.8	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1073.6279	1282.4464	13.9055	9.3272	42.2897	3253.1079	1	0.4	3	791	1471	2077	1471	142	150	954	1819	0.70
N+106.8	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	-490.7932	648.7605	26.5057	12.0027	104.6946	2954.4958	1	0.4	3	791	1158	613	791	142	150	954	1309	0.50

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-260.6679	648.7605	26.5057	12.0027	75.2965	1557.2097	1	0.4	3	791	1204	1644	1204	142	150	954	1619	0.40
N+106.8	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	1383.9828	671.4787	26.264	12.2846	105.1935	2851.8994	1	0.4	3	791	1533	983	983	142	150	954	1453	0.46
N+106.8	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1614.108	671.4787	26.264	12.2846	74.1543	1608.8702	1	0.4	3	791	1579	2656	1579	142	150	954	1900	0.35
N+106.8	M9	0.9D+1.0Ex+0.3Ey	Top	-61.8949	1262.6191	14.1152	9.0821	52.365	5454.6967	1	0.4	3	791	1244	717	791	142	150	954	1309	0.96
N+106.8	M9	0.9D+1.0Ex+0.3Ey	Bottom	110.699	1262.6191	14.1152	9.0821	43.2869	3208.0321	1	0.4	3	791	1279	1625	1279	142	150	954	1675	0.75
N+106.8	M9	0.9D+1.0Ex+0.3Ey	Top	731.9209	1279.5556	13.9375	9.2904	52.7199	5378.1889	1	0.4	3	791	1403	879	879	142	150	954	1375	0.93
N+106.8	M9	0.9D+1.0Ex+0.3Ey	Bottom	904.5148	1279.5556	13.9375	9.2904	42.4347	3246.5231	1	0.4	3	791	1437	1997	1437	142	150	954	1794	0.71
N+106.8	M9	0.9D+1.0Ey+0.3Ex	Top	-602.375	651.6513	26.4737	12.0395	104.7666	2941.4515	1	0.4	3	791	1136	600	791	142	150	954	1309	0.50
N+106.8	M9	0.9D+1.0Ey+0.3Ex	Bottom	-429.7811	651.6513	26.4737	12.0395	75.1514	1563.7944	1	0.4	3	791	1171	1555	1171	142	150	954	1594	0.41
N+106.8	M9	0.9D+1.0Ey+0.3Ex	Top	1272.401	668.5879	26.2959	12.2478	105.1215	2864.9437	1	0.4	3	791	1511	953	953	142	150	954	1431	0.47
N+106.8	M9	0.9D+1.0Ey+0.3Ex	Bottom	1444.9949	668.5879	26.2959	12.2478	74.2993	1602.2855	1	0.4	3	791	1546	2564	1546	142	150	954	1875	0.36
N+106.8	M10	1.4D	Top	670.739	18.0037	0.0206	0.0074	0.043	81.3206	5	0.4	3	791	1391	802	802	142	150	954	1317	0.01
N+106.8	M10	1.4D	Bottom	939.2184	18.0037	0.0206	0.0074	0.0967	40.9244	5	0.4	3	791	1444	2622	1444	142	150	954	1799	0.01
N+106.8	M10	1.2D+1.6L+0.5Lr	Top	574.8941	15.5052	0.0184	0.0077	0.0462	70.0216	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6L+0.5Lr	Bottom	805.0193	15.5052	0.0184	0.0077	0.0786	35.2586	5	0.4	3	791	1418	2536	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.6L+0.5G	Top	574.895	15.5066	0.0186	0.0077	0.0473	70.0288	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6L+0.5G	Bottom	805.0202	15.5066	0.0186	0.0077	0.079	35.2607	5	0.4	3	791	1418	2536	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.6L+0.5Le	Top	574.8955	15.5074	0.0187	0.0077	0.0479	70.0333	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6L+0.5Le	Bottom	805.0207	15.5074	0.0187	0.0077	0.0793	35.262	5	0.4	3	791	1418	2536	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.6Lr+1.0L	Top	574.8985	15.4697	0.0168	0.0072	0.0365	69.8607	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6Lr+1.0L	Bottom	805.0237	15.4697	0.0168	0.0072	0.0779	35.1787	5	0.4	3	791	1418	2536	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.6G+1.0L	Top	574.9012	15.4741	0.0175	0.0072	0.0399	69.8837	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6G+1.0L	Bottom	805.0265	15.4741	0.0175	0.0072	0.0792	35.1854	5	0.4	3	791	1418	2536	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.6Le+1.0L	Top	574.903	15.4768	0.018	0.0072	0.0421	69.898	5	0.4	3	791	1371	787	791	142	150	954	1309	0.01
N+106.8	M10	1.2D+1.6Le+1.0L	Bottom	805.0282	15.4768	0.018	0.0072	0.08	35.1897	5	0.4	3	791	1418	2537	1418	142	150	954	1779	0.01
N+106.8	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	135.1908	1249.8734	4.5495	0.9554	19.1954	5600.8034	5	0.4	3	791	1284	723	791	142	150	954	1309	0.95
N+106.8	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	365.316	1249.8734	4.5495	0.9554	11.9748	3038.8291	5	0.4	3	791	1330	1920	1330	142	150	954	1713	0.73
N+106.8	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	1014.6186	1280.8325	4.5127	0.9698	19.2838	5460.9786	5	0.4	3	791	1459	914	914	142	150	954	1401	0.91
N+106.8	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1244.7438	1280.8325	4.5127	0.9698	11.8133	3109.2169	5	0.4	3	791	1505	2382	1505	142	150	954	1845	0.69
N+106.8	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	410.1505	484.1015	14.058	2.1897	59.1132	2265.6755	5	0.4	3	791	1339	734	791	142	150	954	1309	0.37
N+106.8	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	640.2758	484.1015	14.058	2.1897	37.4587	1166.1392	5	0.4	3	791	1385	2107	1385	142	150	954	1754	0.28
N+106.8	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	739.6589	515.0607	14.0212	2.204	59.2016	2125.8507	5	0.4	3	791	1404	899	899	142	150	954	1390	0.37
N+106.8	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	969.7841	515.0607	14.0212	2.204	37.2972	1236.5269	5	0.4	3	791	1450	2299	1450	142	150	954	1804	0.29
N+106.8	M10	0.9D+1.0Ex+0.3Ey	Top	-8.5246	1253.7792	4.5443	0.9578	19.2119	5583.1686	5	0.4	3	791	1255	704	791	142	150	954	1309	0.96
N+106.8	M10	0.9D+1.0Ex+0.3Ey	Bottom	164.0693	1253.7792	4.5443	0.9578	11.9562	3047.7144	5	0.4	3	791	1289	1817	1289	142	150	954	1683	0.75
N+106.8	M10	0.9D+1.0Ex+0.3Ey	Top	870.9033	1276.9268	4.5179	0.9674	19.2672	5478.6135	5	0.4	3	791	1431	883	883	142	150	954	1378	0.93
N+106.8	M10	0.9D+1.0Ex+0.3Ey	Bottom	1043.4972	1276.9268	4.5179	0.9674	11.8319	3100.3315	5	0.4	3	791	1465	2277	1465	142	150	954	1815	0.70
N+106.8	M10	0.9D+1.0Ey+0.3Ex	Top	266.4352	488.0073	14.0528	2.1921	59.1298	2248.0407	5	0.4	3	791	1310	723	791	142	150	954	1309	0.37
N+106.8	M10	0.9D+1.0Ey+0.3Ex	Bottom	439.0291	488.0073	14.0528	2.1921	37.4401	1175.0245	5	0.4	3	791	1344	2003	1344	142	150	954	1724	0.28
N+106.8	M10	0.9D+1.0Ey+0.3Ex	Top	595.9435	511.1549	14.0264	2.2016	59.1851	2143.4856	5	0.4	3	791	1376	857	857	142	150	954	1359	0.38
N+106.8	M10	0.9D+1.0Ey+0.3Ex	Bottom	768.5374	511.1549	14.0264	2.2016	37.3158	1227.6416	5	0.4	3	791	1410	2190	1410	142	150	954	1773	0.29
N+106.8	M11	1.4D	Top	748.7596	0.4472	0.0238	0.008	0.0635	1.5522	7	0.4	3	791	1406	1123	1123	142	150	954	1558	0.00
N+106.8	M11	1.4D	Bottom	1017.239	0.4472	0.0238	0.008	0.0981	1.4843	7	0.4	3	791	1460	1269	1269	142	150	954	1667	0.00
N+106.8	M11	1.2D+1.6L+0.5Lr	Top	641.7947	0.4516	0.0208	0.0081	0.0623	1.6224	7	0.4	3	791	1385	1047	1047	142	150	954	1501	0.00
N+106.8	M11	1.2D+1.6L+0.5Lr	Bottom	871.9199	0.4516	0.0208	0.0081	0.0793	1.444	7	0.4	3	791	1431	1302	1302	142	150	954	1692	0.00
N+106.8	M11	1.2D+1.6L+0.5G	Top	641.7947	0.4531	0.021	0.0081	0.0632	1.6305	7	0.4	3	791	1385	1045	1045	142	150	954	1499	0.00
N+106.8	M11	1.2D+1.6L+0.5G	Bottom	871.9199	0.4531	0.021	0.0081	0.0797	1.4463	7	0.4	3	791	1431	1305	1305	142	150	954	1695	0.00
N+106.8	M11	1.2D+1.6L+0.5Le	Top	641.7947	0.4541	0.0212	0.0081	0.0638	1.6355	7	0.4	3	791	1385	1044	1044	142	150	954	1498	0.00
N+106.8	M11	1.2D+1.6L+0.5Le	Bottom	871.9199	0.4541	0.0212	0.0081	0.0799	1.4477	7	0.4	3	791	1431	1308	1308	142	150	954	1696	0.00
N+106.8	M11	1.2D+1.6Lr+1.0L	Top	641.7946	0.4172	0.0196	0.0076	0.0539	1.4663	7	0.4	3	791	1385	1079	1079	142	150	954	1525	0.00
N+106.8	M11	1.2D+1.6Lr+1.0L	Bottom	871.9198	0.4172	0.0196	0.0076	0.079	1.3663	7	0.4	3	791	1431	1255	1255	142	150	954	1657	0.00
N+106.8	M11	1.2D+1.6G+1.0L	Top	641.7945	0.422	0.0202	0.0076	0.0569	1.492	7	0.4	3	791	1385	1070	1070	142	150	954	1518	0.00
N+106.8	M11	1.2D+1.6G+1.0L	Bottom	871.9197	0.422	0.0202	0.0076	0.0802	1.3736	7	0.4	3	791	1431	1267	1267	142	150	954	1666	0.00
N+106.8	M11	1.2D+1.6Le+1.0L	Top	641.7944	0.4251	0.0206	0.0076	0.0588	1.5082	7	0.4	3	791	1385	1065	1065	142	150	954	1514	0.00
N+106.8	M11	1.2D+1.6Le+1.0L	Bottom	871.9196	0.4251	0.0206	0.0076	0.0809	1.3782	7	0.4	3	791	1431	1274	1274	142	150	954	1671	0.00
N+106.8	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	636.943	1196.4887	4.0186	0.7155	16.6977	5191.7448	7	0.4	3	791	1384	832	832	142	150	954	1340	0.89
N+106.8	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	867.0682	1196.4887	4.0186	0.7155	10.8521	2949.9545	7	0.4	3	791	1430	2110	1430	142	150	954	1788	0.67
N+106.8	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	646.6458	1197.345	3.9767	0.7307	16.8189	5188.6962	7	0.4	3	791	1386	835	835	142	150	954	1342	0.89
N+106.8	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	876.771	1197.345	3.9767	0.7307	10.6888	2952.7201	7	0.4	3	791	1432	2114	1432	142	150	954	1790	0.67
N+106.8	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	637.6134	467.3653	12.9769	1.8472	54.1544	2037.8282	7	0.4	3	791	1384	828	828	142	150	954	1337	0.35
N+106.8	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	867.7386	467.3653	12.9769	1.8472	35.075	1144.2035	7	0.4	3	791	1430	2144	1430	142	150	954	1788	0.26

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	645.9754	468.2215	12.935	1.8624	54.2756	2034.7797	7	0.4	3	791	1386	832	832	142	150	954	1340	0.35
N+106.8	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	876.1006	468.2215	12.935	1.8624	34.9117	1146.9691	7	0.4	3	791	1432	2146	1432	142	150	954	1789	0.26
N+106.8	M11	0.9D+1.0Ex+0.3Ey	Top	476.4941	1196.6293	4.013	0.718	16.7175	5191.2184	7	0.4	3	791	1352	805	805	142	150	954	1320	0.91
N+106.8	M11	0.9D+1.0Ex+0.3Ey	Bottom	649.088	1196.6293	4.013	0.718	10.8336	2950.3831	7	0.4	3	791	1386	2001	1386	142	150	954	1755	0.68
N+106.8	M11	0.9D+1.0Ex+0.3Ey	Top	486.1968	1197.2043	3.9824	0.7283	16.7991	5189.2227	7	0.4	3	791	1354	808	808	142	150	954	1321	0.91
N+106.8	M11	0.9D+1.0Ex+0.3Ey	Bottom	658.7907	1197.2043	3.9824	0.7283	10.7074	2952.2915	7	0.4	3	791	1388	2005	1388	142	150	954	1757	0.68
N+106.8	M11	0.9D+1.0Ey+0.3Ex	Top	477.1644	467.5059	12.9712	1.8496	54.1742	2037.3018	7	0.4	3	791	1352	801	801	142	150	954	1317	0.36
N+106.8	M11	0.9D+1.0Ey+0.3Ex	Bottom	649.7584	467.5059	12.9712	1.8496	35.0564	1144.6321	7	0.4	3	791	1386	2034	1386	142	150	954	1756	0.27
N+106.8	M11	0.9D+1.0Ey+0.3Ex	Top	485.5265	468.0809	12.9406	1.8599	54.2558	2035.3061	7	0.4	3	791	1354	805	805	142	150	954	1319	0.35
N+106.8	M11	0.9D+1.0Ey+0.3Ex	Bottom	658.1204	468.0809	12.9406	1.8599	34.9303	1146.5405	7	0.4	3	791	1388	2036	1388	142	150	954	1757	0.27
N+106.8	M12	1.4D	Top	787.4224	10.3461	0.0236	0.0081	0.063	46.2438	3	0.4	3	791	1414	830	830	142	150	954	1338	0.01
N+106.8	M12	1.4D	Bottom	1055.9018	10.3461	0.0236	0.0081	0.0973	24.006	3	0.4	3	791	1468	2553	1468	142	150	954	1816	0.01
N+106.8	M12	1.2D+1.6L+0.5Lr	Top	674.9266	8.9351	0.0205	0.0081	0.0608	39.9233	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6L+0.5Lr	Bottom	905.0518	8.9351	0.0205	0.0081	0.0783	20.7463	3	0.4	3	791	1438	2460	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.6L+0.5G	Top	674.9268	8.9367	0.0206	0.0081	0.0616	39.9315	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6L+0.5G	Bottom	905.052	8.9367	0.0206	0.0081	0.0786	20.7486	3	0.4	3	791	1438	2460	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.6L+0.5Le	Top	674.927	8.9377	0.0207	0.0081	0.062	39.9367	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6L+0.5Le	Bottom	905.0522	8.9377	0.0207	0.0081	0.0788	20.7501	3	0.4	3	791	1438	2461	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.6Lr+1.0L	Top	674.9279	8.901	0.0195	0.0077	0.0537	39.7685	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6Lr+1.0L	Bottom	905.0531	8.901	0.0195	0.0077	0.0784	20.6692	3	0.4	3	791	1438	2459	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.6G+1.0L	Top	674.9286	8.906	0.02	0.0077	0.0562	39.7948	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6G+1.0L	Bottom	905.0538	8.906	0.02	0.0077	0.0794	20.6766	3	0.4	3	791	1438	2461	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.6Le+1.0L	Top	674.929	8.9091	0.0203	0.0077	0.0578	39.8113	3	0.4	3	791	1392	812	812	142	150	954	1325	0.01
N+106.8	M12	1.2D+1.6Le+1.0L	Bottom	905.0543	8.9091	0.0203	0.0077	0.08	20.6813	3	0.4	3	791	1438	2461	1438	142	150	954	1794	0.00
N+106.8	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	556.8307	1165.4345	3.8501	0.7008	15.9667	5114.6524	3	0.4	3	791	1368	809	809	142	150	954	1322	0.88
N+106.8	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	786.9559	1165.4345	3.8501	0.7008	10.436	2893.2407	3	0.4	3	791	1414	2038	1414	142	150	954	1776	0.66
N+106.8	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	793.0283	1183.2589	3.8088	0.7161	16.0853	5034.997	3	0.4	3	791	1415	878	878	142	150	954	1374	0.86
N+106.8	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1023.1535	1183.2589	3.8088	0.7161	10.2747	2934.6125	3	0.4	3	791	1461	2158	1461	142	150	954	1812	0.65
N+106.8	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	629.2592	450.6283	12.4958	1.8235	52.1124	2034.2509	3	0.4	3	791	1382	796	796	142	150	954	1313	0.34
N+106.8	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	859.3844	450.6283	12.4958	1.8235	33.8313	1110.892	3	0.4	3	791	1428	2107	1428	142	150	954	1787	0.25
N+106.8	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	720.5998	468.4526	12.4546	1.8389	52.231	1954.5955	3	0.4	3	791	1401	885	885	142	150	954	1379	0.34
N+106.8	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	950.725	468.4526	12.4546	1.8389	33.67	1152.2638	3	0.4	3	791	1447	2163	1447	142	150	954	1801	0.26
N+106.8	M12	0.9D+1.0Ex+0.3Ey	Top	388.1013	1167.6957	3.8446	0.7033	15.9856	5104.5528	3	0.4	3	791	1334	784	791	142	150	954	1309	0.89
N+106.8	M12	0.9D+1.0Ex+0.3Ey	Bottom	560.6952	1167.6957	3.8446	0.7033	10.4179	2898.4942	3	0.4	3	791	1369	1928	1369	142	150	954	1742	0.67
N+106.8	M12	0.9D+1.0Ex+0.3Ey	Top	624.2989	1180.9978	3.8143	0.7136	16.0665	5045.0966	3	0.4	3	791	1381	844	844	142	150	954	1349	0.88
N+106.8	M12	0.9D+1.0Ex+0.3Ey	Bottom	796.8928	1180.9978	3.8143	0.7136	10.2928	2929.359	3	0.4	3	791	1416	2047	1416	142	150	954	1778	0.66
N+106.8	M12	0.9D+1.0Ey+0.3Ex	Top	460.5298	452.8894	12.4904	1.826	52.1312	2024.1513	3	0.4	3	791	1349	777	791	142	150	954	1309	0.35
N+106.8	M12	0.9D+1.0Ey+0.3Ex	Bottom	633.1237	452.8894	12.4904	1.826	33.8132	1116.1454	3	0.4	3	791	1383	1995	1383	142	150	954	1753	0.26
N+106.8	M12	0.9D+1.0Ey+0.3Ex	Top	551.8704	466.1915	12.46	1.8364	52.2122	1964.6951	3	0.4	3	791	1367	845	845	142	150	954	1349	0.35
N+106.8	M12	0.9D+1.0Ey+0.3Ex	Bottom	724.4643	466.1915	12.46	1.8364	33.6881	1147.0103	3	0.4	3	791	1401	2048	1401	142	150	954	1767	0.26
N+106.8	M13	1.4D	Top	750.0955	18.1415	0.0219	0.0088	0.0562	81.5423	9	0.4	3	791	1407	819	819	142	150	954	1330	0.01
N+106.8	M13	1.4D	Bottom	1018.5749	18.1415	0.0219	0.0088	0.0923	41.6383	9	0.4	3	791	1460	2603	1460	142	150	954	1811	0.01
N+106.8	M13	1.2D+1.6L+0.5Lr	Top	642.955	15.4811	0.0188	0.0087	0.0539	69.5993	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6L+0.5Lr	Bottom	873.0802	15.4811	0.0188	0.0087	0.0737	35.5174	9	0.4	3	791	1431	2518	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.6L+0.5G	Top	642.9545	15.4796	0.0189	0.0087	0.0545	69.5913	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6L+0.5G	Bottom	873.0797	15.4796	0.0189	0.0087	0.0739	35.5151	9	0.4	3	791	1431	2518	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.6L+0.5Le	Top	642.9542	15.4786	0.019	0.0087	0.0548	69.5863	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6L+0.5Le	Bottom	873.0794	15.4786	0.019	0.0087	0.0741	35.5137	9	0.4	3	791	1431	2518	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.6Lr+1.0L	Top	642.9521	15.5156	0.018	0.0083	0.0482	69.7559	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6Lr+1.0L	Bottom	873.0773	15.5156	0.018	0.0083	0.0742	35.5953	9	0.4	3	791	1431	2518	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.6G+1.0L	Top	642.9504	15.5108	0.0184	0.0083	0.0502	69.7303	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6G+1.0L	Bottom	873.0756	15.5108	0.0184	0.0083	0.075	35.588	9	0.4	3	791	1431	2518	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.6Le+1.0L	Top	642.9493	15.5078	0.0187	0.0083	0.0514	69.7143	9	0.4	3	791	1385	802	802	142	150	954	1317	0.01
N+106.8	M13	1.2D+1.6Le+1.0L	Bottom	873.0745	15.5078	0.0187	0.0083	0.0755	35.5834	9	0.4	3	791	1431	2517	1431	142	150	954	1789	0.01
N+106.8	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	369.0291	1217.7911	3.7239	0.7047	15.4785	5144.3766	9	0.4	3	791	1330	810	810	142	150	954	1323	0.92
N+106.8	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	599.1543	1217.7911	3.7239	0.7047	10.0699	2999.3832	9	0.4	3	791	1376	1981	1376	142	150	954	1748	0.70
N+106.8	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	916.8675	1186.7816	3.686	0.7213	15.5837	5283.7733	9	0.4	3	791	1440	855	855	142	150	954	1357	0.87
N+106.8	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1146.9927	1186.7816	3.686	0.7213	9.9177	2928.2254	9	0.4	3	791	1486	2245	1486	142	150	954	1830	0.65
N+106.8	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	535.3023	486.2452	12.0727	1.8083	50.4341	1980.7243	9	0.4	3	791	1364	875	875	142	150	954	1372	0.35
N+106.8	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	765.4275	486.2452	12.0727	1.8083	32.6182	1186.9675	9	0.4	3	791	1410	2107	1410	142	150	954	1773	0.27
N+106.8	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	750.5943	455.2358	12.0348	1.8249	50.5392	2120.121	9	0.4	3	791	1407	789	791	142	150	954	1309	0.35

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	980.7195	455.2358	12.0348	1.8249	32.466	1115.8097	9	0.4	3	791	1453	2196	1453	142	150	954	1805	0.25
N+106.8	M13	0.9D+1.0Ex+0.3Ey	Top	208.285	1213.9487	3.719	0.7073	15.495	5161.6549	9	0.4	3	791	1298	776	791	142	150	954	1309	0.93
N+106.8	M13	0.9D+1.0Ex+0.3Ey	Bottom	380.8789	1213.9487	3.719	0.7073	10.0531	2990.5718	9	0.4	3	791	1333	1871	1333	142	150	954	1715	0.71
N+106.8	M13	0.9D+1.0Ex+0.3Ey	Top	756.1234	1190.6239	3.6909	0.7186	15.5672	5266.495	9	0.4	3	791	1408	834	834	142	150	954	1342	0.89
N+106.8	M13	0.9D+1.0Ex+0.3Ey	Bottom	928.7173	1190.6239	3.6909	0.7186	9.9345	2937.0369	9	0.4	3	791	1442	2138	1442	142	150	954	1797	0.66
N+106.8	M13	0.9D+1.0Ey+0.3Ex	Top	374.5582	482.4029	12.0678	1.811	50.4505	1998.0026	9	0.4	3	791	1331	829	829	142	150	954	1338	0.36
N+106.8	M13	0.9D+1.0Ey+0.3Ex	Bottom	547.1521	482.4029	12.0678	1.811	32.6014	1178.1561	9	0.4	3	791	1366	1993	1366	142	150	954	1740	0.28
N+106.8	M13	0.9D+1.0Ey+0.3Ex	Top	589.8502	459.0781	12.0397	1.8222	50.5227	2102.8426	9	0.4	3	791	1374	778	791	142	150	954	1309	0.35
N+106.8	M13	0.9D+1.0Ey+0.3Ex	Bottom	762.4441	459.0781	12.0397	1.8222	32.4828	1124.6211	9	0.4	3	791	1409	2088	1409	142	150	954	1772	0.26
N+106.8	M14	1.4D	Top	632.6145	8.2965	0.0162	0.0092	0.0271	38.3473	4	0.4	3	791	1383	777	791	142	150	954	1309	0.01
N+106.8	M14	1.4D	Bottom	901.0939	8.2965	0.0162	0.0092	0.0832	17.9859	4	0.4	3	791	1437	2971	1437	142	150	954	1793	0.00
N+106.8	M14	1.2D+1.6L+0.5Lr	Top	542.2575	7.0378	0.0138	0.0091	0.0281	32.5515	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6L+0.5Lr	Bottom	772.3827	7.0378	0.0138	0.0091	0.0656	15.2354	4	0.4	3	791	1411	2890	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.6L+0.5G	Top	542.2569	7.0364	0.0139	0.0091	0.0285	32.5441	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6L+0.5G	Bottom	772.3821	7.0364	0.0139	0.0091	0.0658	15.2332	4	0.4	3	791	1411	2890	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.6L+0.5Le	Top	542.2566	7.0356	0.014	0.0091	0.0288	32.5395	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6L+0.5Le	Bottom	772.3818	7.0356	0.014	0.0091	0.066	15.2319	4	0.4	3	791	1411	2890	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.6Lr+1.0L	Top	542.2544	7.0735	0.0133	0.0087	0.0236	32.7132	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6Lr+1.0L	Bottom	772.3796	7.0735	0.0133	0.0087	0.0665	15.3159	4	0.4	3	791	1411	2889	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.6G+1.0L	Top	542.2527	7.069	0.0136	0.0087	0.0251	32.6897	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6G+1.0L	Bottom	772.3779	7.069	0.0136	0.0087	0.0672	15.309	4	0.4	3	791	1411	2887	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.6Le+1.0L	Top	542.2516	7.0662	0.0138	0.0086	0.026	32.675	4	0.4	3	791	1365	763	791	142	150	954	1309	0.01
N+106.8	M14	1.2D+1.6Le+1.0L	Bottom	772.3768	7.0662	0.0138	0.0086	0.0676	15.3046	4	0.4	3	791	1411	2886	1411	142	150	954	1774	0.00
N+106.8	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	257.9502	1295.2702	3.9445	0.7937	16.5947	5610.2179	4	0.4	3	791	1308	770	791	142	150	954	1309	0.99
N+106.8	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	488.0754	1295.2702	3.9445	0.7937	10.4709	3132.1334	4	0.4	3	791	1354	2008	1354	142	150	954	1731	0.75
N+106.8	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	826.5509	1281.1434	3.9165	0.811	16.6485	5675.5384	4	0.4	3	791	1422	845	845	142	150	954	1349	0.95
N+106.8	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1056.6761	1281.1434	3.9165	0.811	10.3348	3101.5329	4	0.4	3	791	1468	2299	1468	142	150	954	1817	0.71
N+106.8	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	429.4513	506.864	12.2152	1.6528	51.4136	2161.5429	4	0.4	3	791	1342	812	812	142	150	954	1325	0.38
N+106.8	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	659.5765	506.864	12.2152	1.6528	32.5893	1219.7746	4	0.4	3	791	1388	2122	1388	142	150	954	1757	0.29
N+106.8	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	655.0498	492.7372	12.1872	1.6701	51.4674	2226.8634	4	0.4	3	791	1388	799	799	142	150	954	1315	0.37
N+106.8	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	885.175	492.7372	12.1872	1.6701	32.4532	1189.1741	4	0.4	3	791	1434	2226	1434	142	150	954	1791	0.28
N+106.8	M14	0.9D+1.0Ex+0.3Ey	Top	122.3804	1293.5403	3.9409	0.7965	16.6042	5618.2263	4	0.4	3	791	1281	744	791	142	150	954	1309	0.99
N+106.8	M14	0.9D+1.0Ex+0.3Ey	Bottom	294.9743	1293.5403	3.9409	0.7965	10.4563	3128.3955	4	0.4	3	791	1316	1907	1316	142	150	954	1702	0.76
N+106.8	M14	0.9D+1.0Ex+0.3Ey	Top	690.9811	1282.8734	3.92	0.8083	16.639	5667.53	4	0.4	3	791	1395	825	825	142	150	954	1334	0.96
N+106.8	M14	0.9D+1.0Ex+0.3Ey	Bottom	863.575	1282.8734	3.92	0.8083	10.3494	3105.2708	4	0.4	3	791	1429	2200	1429	142	150	954	1788	0.72
N+106.8	M14	0.9D+1.0Ey+0.3Ex	Top	293.8815	505.1341	12.2116	1.6556	51.4231	2169.5513	4	0.4	3	791	1315	783	791	142	150	954	1309	0.39
N+106.8	M14	0.9D+1.0Ey+0.3Ex	Bottom	466.4754	505.1341	12.2116	1.6556	32.5747	1216.0367	4	0.4	3	791	1350	2018	1350	142	150	954	1728	0.29
N+106.8	M14	0.9D+1.0Ey+0.3Ex	Top	519.48	494.4672	12.1908	1.6674	51.4579	2218.8549	4	0.4	3	791	1360	784	791	142	150	954	1309	0.38
N+106.8	M14	0.9D+1.0Ey+0.3Ex	Bottom	692.074	494.4672	12.1908	1.6674	32.4678	1192.912	4	0.4	3	791	1395	2127	1395	142	150	954	1762	0.28
N+106.8	M15	1.4D	Top	521.9588	11.7014	0.12	0.1342	0.2093	53.2726	1	0.4	3	791	1361	772	791	142	150	954	1309	0.01
N+106.8	M15	1.4D	Bottom	790.4382	11.7014	0.12	0.1342	0.6052	26.1802	1	0.4	3	791	1415	2641	1415	142	150	954	1777	0.01
N+106.8	M15	1.2D+1.6L+0.5Lr	Top	447.3454	9.972	0.1029	0.1141	0.1842	45.4187	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6L+0.5Lr	Bottom	677.4706	9.972	0.1029	0.1141	0.5141	22.2914	1	0.4	3	791	1392	2573	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.6L+0.5G	Top	447.3467	9.9703	0.1029	0.1141	0.1846	45.4097	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6L+0.5G	Bottom	677.4719	9.9703	0.1029	0.1141	0.5143	22.2889	1	0.4	3	791	1392	2573	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.6L+0.5Le	Top	447.3475	9.9693	0.103	0.1141	0.1848	45.404	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6L+0.5Le	Bottom	677.4727	9.9693	0.103	0.1141	0.5145	22.2874	1	0.4	3	791	1392	2573	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.6Lr+1.0L	Top	447.3559	10.0035	0.1024	0.1144	0.1804	45.5623	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6Lr+1.0L	Bottom	677.4811	10.0035	0.1024	0.1144	0.5148	22.3613	1	0.4	3	791	1392	2574	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.6G+1.0L	Top	447.36	9.9981	0.1026	0.1145	0.1815	45.5334	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6G+1.0L	Bottom	677.4852	9.9981	0.1026	0.1145	0.5154	22.3535	1	0.4	3	791	1392	2572	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.6Le+1.0L	Top	447.3626	9.9947	0.1028	0.1145	0.1822	45.5154	1	0.4	3	791	1346	760	791	142	150	954	1309	0.01
N+106.8	M15	1.2D+1.6Le+1.0L	Bottom	677.4878	9.9947	0.1028	0.1145	0.5158	22.3486	1	0.4	3	791	1392	2571	1392	142	150	954	1760	0.01
N+106.8	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	86.8243	1213.991	12.4699	7.6248	45.816	5077.7012	1	0.4	3	791	1274	769	791	142	150	954	1309	0.93
N+106.8	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	316.9495	1213.991	12.4699	7.6248	38.6514	3092.5131	1	0.4	3	791	1320	1711	1320	142	150	954	1706	0.71
N+106.8	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	807.9059	1194.0084	12.264	7.3959	46.1818	5168.6958	1	0.4	3	791	1418	863	863	142	150	954	1363	0.88
N+106.8	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1038.0311	1194.0084	12.264	7.3959	37.6192	3047.8256	1	0.4	3	791	1464	2032	1464	142	150	954	1814	0.66
N+106.8	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	-360.8526	444.5316	21.2892	6.818	84.608	1867.274	1	0.4	3	791	1184	686	791	142	150	954	1309	0.34
N+106.8	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-130.7274	444.5316	21.2892	6.818	60.0877	1081.4005	1	0.4	3	791	1230	1662	1230	142	150	954	1638	0.27
N+106.8	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	1255.5828	424.5489	21.0833	6.589	84.9738	1958.2686	1	0.4	3	791	1508	875	875	142	150	954	1372	0.31
N+106.8	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1485.708	424.5489	21.0833	6.589	59.0554	1036.713	1	0.4	3	791	1554	2472	1554	142	150	954	1881	0.23

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M15	0.9D+1.0Ex+0.3Ey	Top	-24.9959	1211.5221	12.4441	7.5966	45.8643	5088.9519	1	0.4	3	791	1252	745	791	142	150	954	1309	0.93
N+106.8	M15	0.9D+1.0Ex+0.3Ey	Bottom	147.598	1211.5221	12.4441	7.5966	38.5244	3086.9995	1	0.4	3	791	1286	1632	1286	142	150	954	1680	0.72
N+106.8	M15	0.9D+1.0Ex+0.3Ey	Top	696.0857	1196.4774	12.2899	7.424	46.1334	5157.4452	1	0.4	3	791	1396	848	848	142	150	954	1352	0.89
N+106.8	M15	0.9D+1.0Ex+0.3Ey	Bottom	868.6796	1196.4774	12.2899	7.424	37.7463	3053.3392	1	0.4	3	791	1430	1956	1430	142	150	954	1788	0.67
N+106.8	M15	0.9D+1.0Ey+0.3Ex	Top	-472.6728	442.0626	21.2634	6.7898	84.6564	1878.5246	1	0.4	3	791	1162	658	791	142	150	954	1309	0.34
N+106.8	M15	0.9D+1.0Ey+0.3Ex	Bottom	-300.0789	442.0626	21.2634	6.7898	59.9606	1075.8869	1	0.4	3	791	1197	1574	1197	142	150	954	1613	0.27
N+106.8	M15	0.9D+1.0Ey+0.3Ex	Top	1143.7626	427.0179	21.1092	6.6172	84.9255	1947.018	1	0.4	3	791	1485	868	868	142	150	954	1367	0.31
N+106.8	M15	0.9D+1.0Ey+0.3Ex	Bottom	1316.3565	427.0179	21.1092	6.6172	59.1825	1042.2266	1	0.4	3	791	1520	2388	1520	142	150	954	1856	0.23
N+106.8	M16	1.4D	Top	523.6331	10.5203	0.087	0.1353	0.1013	48.5163	1	0.4	3	791	1361	762	791	142	150	954	1309	0.01
N+106.8	M16	1.4D	Bottom	792.1125	10.5203	0.087	0.1353	0.4895	22.9168	1	0.4	3	791	1415	2851	1415	142	150	954	1777	0.01
N+106.8	M16	1.2D+1.6L+0.5Lr	Top	448.7665	8.9744	0.0753	0.1171	0.0901	41.2507	1	0.4	3	791	1346	753	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6L+0.5Lr	Bottom	678.8917	8.9744	0.0753	0.1171	0.4211	19.6851	1	0.4	3	791	1392	2716	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.6L+0.5G	Top	448.7683	8.972	0.0753	0.1171	0.0903	41.2396	1	0.4	3	791	1346	753	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6L+0.5G	Bottom	678.8936	8.972	0.0753	0.1171	0.4212	19.6802	1	0.4	3	791	1392	2716	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.6L+0.5Le	Top	448.7695	8.9705	0.0754	0.1171	0.0905	41.2326	1	0.4	3	791	1346	753	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6L+0.5Le	Bottom	678.8947	8.9705	0.0754	0.1171	0.4213	19.6771	1	0.4	3	791	1392	2716	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.6Lr+1.0L	Top	448.7788	9.0042	0.0747	0.1167	0.0875	41.441	1	0.4	3	791	1346	752	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6Lr+1.0L	Bottom	678.904	9.0042	0.0747	0.1167	0.4199	19.6978	1	0.4	3	791	1392	2737	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.6G+1.0L	Top	448.7848	8.9967	0.0749	0.1167	0.0883	41.4052	1	0.4	3	791	1346	752	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6G+1.0L	Bottom	678.91	8.9967	0.0749	0.1167	0.4203	19.6821	1	0.4	3	791	1392	2737	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.6Le+1.0L	Top	448.7886	8.9919	0.075	0.1167	0.0887	41.3829	1	0.4	3	791	1346	752	791	142	150	954	1309	0.01
N+106.8	M16	1.2D+1.6Le+1.0L	Bottom	678.9138	8.9919	0.075	0.1167	0.4205	19.6722	1	0.4	3	791	1392	2736	1392	142	150	954	1760	0.01
N+106.8	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	-510.6764	482.5583	23.634	8.7184	92.6313	2233.4566	1	0.4	3	791	1154	601	791	142	150	954	1309	0.37
N+106.8	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-280.5512	482.5583	23.634	8.7184	68.2252	1130.0684	1	0.4	3	791	1200	1731	1200	142	150	954	1616	0.30
N+106.8	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	1408.261	500.5327	23.4838	8.9517	92.8097	2150.7356	1	0.4	3	791	1538	974	974	142	150	954	1446	0.35
N+106.8	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1638.3862	500.5327	23.4838	8.9517	67.3838	1169.3932	1	0.4	3	791	1584	2842	1584	142	150	954	1904	0.26
N+106.8	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	-9.2895	1062.9249	10.7534	5.4832	39.2862	4649.4821	1	0.4	3	791	1255	717	791	142	150	954	1309	0.81
N+106.8	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	220.8357	1062.9249	10.7534	5.4832	33.8491	2663.2075	1	0.4	3	791	1301	1727	1301	142	150	954	1691	0.63
N+106.8	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	906.8741	1080.8993	10.6032	5.7165	39.4646	4566.761	1	0.4	3	791	1438	905	905	142	150	954	1394	0.78
N+106.8	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1136.9993	1080.8993	10.6032	5.7165	33.0077	2702.5323	1	0.4	3	791	1484	2174	1484	142	150	954	1829	0.59
N+106.8	M16	0.9D+1.0Ex+0.3Ey	Top	-622.8474	484.7824	23.6148	8.7481	92.6554	2223.2852	1	0.4	3	791	1132	588	791	142	150	954	1309	0.37
N+106.8	M16	0.9D+1.0Ex+0.3Ey	Bottom	-450.2535	484.7824	23.6148	8.7481	68.1192	1134.9985	1	0.4	3	791	1166	1635	1166	142	150	954	1591	0.30
N+106.8	M16	0.9D+1.0Ex+0.3Ey	Top	1296.09	498.3086	23.5029	8.922	92.7856	2160.907	1	0.4	3	791	1516	944	944	142	150	954	1424	0.35
N+106.8	M16	0.9D+1.0Ex+0.3Ey	Bottom	1468.6839	498.3086	23.5029	8.922	67.4898	1164.463	1	0.4	3	791	1550	2743	1550	142	150	954	1878	0.27
N+106.8	M16	0.9D+1.0Ey+0.3Ex	Top	-121.4605	1065.149	10.7342	5.5129	39.3103	4639.3106	1	0.4	3	791	1232	701	791	142	150	954	1309	0.81
N+106.8	M16	0.9D+1.0Ey+0.3Ex	Bottom	51.1334	1065.149	10.7342	5.5129	33.7431	2668.1377	1	0.4	3	791	1267	1646	1267	142	150	954	1666	0.64
N+106.8	M16	0.9D+1.0Ey+0.3Ex	Top	794.7031	1078.6752	10.6223	5.6868	39.4405	4576.9325	1	0.4	3	791	1415	881	881	142	150	954	1376	0.78
N+106.8	M16	0.9D+1.0Ey+0.3Ex	Bottom	967.297	1078.6752	10.6223	5.6868	33.1137	2697.6021	1	0.4	3	791	1450	2092	1450	142	150	954	1803	0.60
N+106.8	M17	1.4D	Top	672.678	15.3947	0.0019	0.0067	0.0235	70.2212	2	0.4	3	791	1391	794	794	142	150	954	1311	0.01
N+106.8	M17	1.4D	Bottom	941.1574	15.3947	0.0019	0.0067	0.0104	34.309	2	0.4	3	791	1445	2769	1445	142	150	954	1799	0.01
N+106.8	M17	1.2D+1.6L+0.5Lr	Top	576.6012	13.1407	0.0011	0.007	0.0182	59.7872	2	0.4	3	791	1372	781	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6L+0.5Lr	Bottom	806.7265	13.1407	0.0011	0.007	0.0108	29.4382	2	0.4	3	791	1418	2642	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.6L+0.5G	Top	576.6007	13.1387	0.0011	0.007	0.0181	59.7778	2	0.4	3	791	1372	781	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6L+0.5G	Bottom	806.7259	13.1387	0.0011	0.007	0.0109	29.4337	2	0.4	3	791	1418	2642	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.6L+0.5Le	Top	576.6004	13.1374	0.001	0.007	0.018	59.772	2	0.4	3	791	1372	781	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6L+0.5Le	Bottom	806.7256	13.1374	0.001	0.007	0.0109	29.4308	2	0.4	3	791	1418	2642	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.6Lr+1.0L	Top	576.5966	13.1731	0.0015	0.0066	0.0199	59.9923	2	0.4	3	791	1372	780	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6Lr+1.0L	Bottom	806.7218	13.1731	0.0015	0.0066	0.0096	29.4531	2	0.4	3	791	1418	2656	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.6G+1.0L	Top	576.595	13.1666	0.0014	0.0066	0.0194	59.9624	2	0.4	3	791	1372	780	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6G+1.0L	Bottom	806.7202	13.1666	0.0014	0.0066	0.0099	29.4385	2	0.4	3	791	1418	2656	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.6Le+1.0L	Top	576.594	13.1625	0.0013	0.0065	0.0191	59.9436	2	0.4	3	791	1372	780	791	142	150	954	1309	0.01
N+106.8	M17	1.2D+1.6Le+1.0L	Bottom	806.7192	13.1625	0.0013	0.0065	0.01	29.4295	2	0.4	3	791	1418	2656	1418	142	150	954	1779	0.01
N+106.8	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	461.9239	321.3468	13.3514	0.8728	54.7061	1536.345	2	0.4	3	791	1349	726	791	142	150	954	1309	0.25
N+106.8	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	692.0492	321.3468	13.3514	0.8728	37.1984	769.2749	2	0.4	3	791	1395	2166	1395	142	150	954	1762	0.18
N+106.8	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	691.262	347.6635	13.3539	0.8859	54.6686	1416.4952	2	0.4	3	791	1395	904	904	142	150	954	1394	0.25
N+106.8	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	921.3873	347.6635	13.3539	0.8859	37.178	828.1156	2	0.4	3	791	1441	2317	1441	142	150	954	1796	0.19
N+106.8	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	216.8975	1063.7407	4.707	1.7843	19.4323	4808.0091	2	0.4	3	791	1300	729	791	142	150	954	1309	0.81
N+106.8	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	447.0227	1063.7407	4.707	1.7843	13.0207	2546.8711	2	0.4	3	791	1346	2034	1346	142	150	954	1725	0.62
N+106.8	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	936.2885	1090.0575	4.7095	1.7974	19.3948	4688.1592	2	0.4	3	791	1444	892	892	142	150	954	1384	0.79
N+106.8	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1166.4137	1090.0575	4.7095	1.7974	13.0003	2605.7119	2	0.4	3	791	1490	2429	1490	142	150	954	1833	0.59
N+106.8	M17	0.9D+1.0Ex+0.3Ey	Top	317.7668	324.6086	13.3514	0.875	54.7025	1521.5623	2	0.4	3	791	1320	719	791	142	150	954	1309	0.25

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M17	0.9D+1.0Ex+0.3Ey	Bottom	490.3607	324.6086	13.3514	0.875	37.1949	776.6395	2	0.4	3	791	1355	2061	1355	142	150	954	1732	0.19
N+106.8	M17	0.9D+1.0Ex+0.3Ey	Top	547.1049	344.4018	13.3539	0.8837	54.6722	1431.2779	2	0.4	3	791	1366	857	857	142	150	954	1359	0.25
N+106.8	M17	0.9D+1.0Ex+0.3Ey	Bottom	719.6988	344.4018	13.3539	0.8837	37.1815	820.751	2	0.4	3	791	1400	2205	1400	142	150	954	1766	0.20
N+106.8	M17	0.9D+1.0Ey+0.3Ex	Top	72.7404	1067.0025	4.707	1.7865	19.4287	4793.2263	2	0.4	3	791	1271	711	791	142	150	954	1309	0.82
N+106.8	M17	0.9D+1.0Ey+0.3Ex	Bottom	245.3343	1067.0025	4.707	1.7865	13.0172	2554.2358	2	0.4	3	791	1306	1926	1306	142	150	954	1695	0.63
N+106.8	M17	0.9D+1.0Ey+0.3Ex	Top	792.1313	1086.7957	4.7095	1.7952	19.3984	4702.9419	2	0.4	3	791	1415	861	861	142	150	954	1361	0.80
N+106.8	M17	0.9D+1.0Ey+0.3Ex	Bottom	964.7252	1086.7957	4.7095	1.7952	13.0038	2598.3473	2	0.4	3	791	1449	2320	1449	142	150	954	1803	0.60
N+106.8	M18	1.4D	Top	634.8055	24.8008	0.0023	0.0078	0.0037	109.9215	6	0.4	3	791	1383	813	813	142	150	954	1325	0.02
N+106.8	M18	1.4D	Bottom	903.2849	24.8008	0.0023	0.0078	0.0122	58.4756	6	0.4	3	791	1437	2366	1437	142	150	954	1794	0.01
N+106.8	M18	1.2D+1.6L+0.5Lr	Top	544.0889	21.3149	0.0024	0.008	0.004	94.6279	6	0.4	3	791	1365	796	796	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6L+0.5Lr	Bottom	774.2142	21.3149	0.0024	0.008	0.012	50.1001	6	0.4	3	791	1411	2311	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.6L+0.5G	Top	544.0898	21.3169	0.0024	0.0079	0.004	94.6372	6	0.4	3	791	1365	796	796	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6L+0.5G	Bottom	774.215	21.3169	0.0024	0.0079	0.012	50.1046	6	0.4	3	791	1411	2311	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.6L+0.5Le	Top	544.0903	21.3182	0.0024	0.0079	0.004	94.643	6	0.4	3	791	1365	796	796	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6L+0.5Le	Bottom	774.2155	21.3182	0.0024	0.0079	0.012	50.1075	6	0.4	3	791	1411	2311	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.6Lr+1.0L	Top	544.0954	21.2817	0.0022	0.0075	0.0036	94.4207	6	0.4	3	791	1365	797	797	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6Lr+1.0L	Bottom	774.2207	21.2817	0.0022	0.0075	0.0112	50.0819	6	0.4	3	791	1411	2304	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.6G+1.0L	Top	544.0981	21.2882	0.0022	0.0075	0.0036	94.4504	6	0.4	3	791	1365	797	797	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6G+1.0L	Bottom	774.2233	21.2882	0.0022	0.0075	0.0113	50.0965	6	0.4	3	791	1411	2304	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.6Le+1.0L	Top	544.0997	21.2923	0.0022	0.0075	0.0037	94.4689	6	0.4	3	791	1365	797	797	142	150	954	1313	0.02
N+106.8	M18	1.2D+1.6Le+1.0L	Bottom	774.2249	21.2923	0.0022	0.0075	0.0114	50.1056	6	0.4	3	791	1411	2305	1411	142	150	954	1774	0.01
N+106.8	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	371.2458	362.2907	12.686	0.6094	51.5293	1405.8764	6	0.4	3	791	1331	894	894	142	150	954	1386	0.26
N+106.8	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	601.371	362.2907	12.686	0.6094	35.8475	869.2446	6	0.4	3	791	1377	2106	1377	142	150	954	1748	0.21
N+106.8	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	716.9569	319.698	12.6815	0.6244	51.5367	1594.8512	6	0.4	3	791	1400	732	791	142	150	954	1309	0.24
N+106.8	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	947.0821	319.698	12.6815	0.6244	35.8246	769.0152	6	0.4	3	791	1446	2277	1446	142	150	954	1800	0.18
N+106.8	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	-13.3489	1119.1129	4.2161	1.7808	17.2195	4727.2509	6	0.4	3	791	1254	743	791	142	150	954	1309	0.85
N+106.8	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	216.7763	1119.1129	4.2161	1.7808	11.8107	2694.325	6	0.4	3	791	1300	1886	1300	142	150	954	1691	0.66
N+106.8	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	1101.5516	1076.5203	4.2116	1.7958	17.2269	4916.2257	6	0.4	3	791	1477	860	860	142	150	954	1361	0.79
N+106.8	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1331.6768	1076.5203	4.2116	1.7958	11.7878	2594.0956	6	0.4	3	791	1523	2470	1523	142	150	954	1858	0.58
N+106.8	M18	0.9D+1.0Ex+0.3Ey	Top	235.2337	356.9377	12.6852	0.6119	51.5307	1429.7	6	0.4	3	791	1304	835	835	142	150	954	1342	0.27
N+106.8	M18	0.9D+1.0Ex+0.3Ey	Bottom	407.8276	356.9377	12.6852	0.6119	35.8439	856.7214	6	0.4	3	791	1338	2001	1338	142	150	954	1719	0.21
N+106.8	M18	0.9D+1.0Ex+0.3Ey	Top	580.9448	325.051	12.6822	0.622	51.5354	1571.0276	6	0.4	3	791	1373	735	791	142	150	954	1309	0.25
N+106.8	M18	0.9D+1.0Ex+0.3Ey	Bottom	753.5387	325.051	12.6822	0.622	35.8283	781.5384	6	0.4	3	791	1407	2176	1407	142	150	954	1771	0.18
N+106.8	M18	0.9D+1.0Ey+0.3Ex	Top	-149.361	1113.7599	4.2154	1.7833	17.2208	4751.0745	6	0.4	3	791	1227	712	791	142	150	954	1309	0.85
N+106.8	M18	0.9D+1.0Ey+0.3Ex	Bottom	23.2329	1113.7599	4.2154	1.7833	11.8071	2681.8018	6	0.4	3	791	1261	1783	1261	142	150	954	1662	0.67
N+106.8	M18	0.9D+1.0Ey+0.3Ex	Top	965.5395	1081.8732	4.2124	1.7934	17.2256	4892.4021	6	0.4	3	791	1450	848	848	142	150	954	1352	0.80
N+106.8	M18	0.9D+1.0Ey+0.3Ex	Bottom	1138.1334	1081.8732	4.2124	1.7934	11.7915	2606.6188	6	0.4	3	791	1484	2369	1484	142	150	954	1829	0.59
N+106.8	M19	1.4D	Top	563.2815	3.2193	0.0023	0.0081	0.0044	13.6709	2	0.4	3	791	1369	839	839	142	150	954	1345	0.00
N+106.8	M19	1.4D	Bottom	831.7609	3.2193	0.0023	0.0081	0.0112	8.1883	2	0.4	3	791	1423	1953	1423	142	150	954	1783	0.00
N+106.8	M19	1.2D+1.6L+0.5Lr	Top	482.8243	2.6987	0.0022	0.0082	0.004	11.2934	2	0.4	3	791	1353	839	839	142	150	954	1345	0.00
N+106.8	M19	1.2D+1.6L+0.5Lr	Bottom	712.9495	2.6987	0.0022	0.0082	0.011	7.0311	2	0.4	3	791	1399	1805	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.6L+0.5G	Top	482.824	2.6968	0.0022	0.0082	0.0039	11.2844	2	0.4	3	791	1353	839	839	142	150	954	1345	0.00
N+106.8	M19	1.2D+1.6L+0.5G	Bottom	712.9492	2.6968	0.0022	0.0082	0.011	7.0265	2	0.4	3	791	1399	1805	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.6L+0.5Le	Top	482.8238	2.6955	0.0022	0.0082	0.0039	11.2788	2	0.4	3	791	1353	839	839	142	150	954	1345	0.00
N+106.8	M19	1.2D+1.6L+0.5Le	Bottom	712.949	2.6955	0.0022	0.0082	0.011	7.0237	2	0.4	3	791	1399	1805	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.6Lr+1.0L	Top	482.8219	2.733	0.0022	0.0077	0.0044	11.5048	2	0.4	3	791	1353	833	833	142	150	954	1341	0.00
N+106.8	M19	1.2D+1.6Lr+1.0L	Bottom	712.9471	2.733	0.0022	0.0077	0.0104	7.0525	2	0.4	3	791	1399	1842	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.6G+1.0L	Top	482.8208	2.7267	0.0021	0.0077	0.0041	11.476	2	0.4	3	791	1353	834	834	142	150	954	1341	0.00
N+106.8	M19	1.2D+1.6G+1.0L	Bottom	712.9461	2.7267	0.0021	0.0077	0.0104	7.0381	2	0.4	3	791	1399	1841	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.6Le+1.0L	Top	482.8202	2.7227	0.0021	0.0077	0.004	11.4579	2	0.4	3	791	1353	834	834	142	150	954	1341	0.00
N+106.8	M19	1.2D+1.6Le+1.0L	Bottom	712.9454	2.7227	0.0021	0.0077	0.0105	7.029	2	0.4	3	791	1399	1840	1399	142	150	954	1765	0.00
N+106.8	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	414.0997	353.671	12.5553	0.607	50.9496	1585.7383	2	0.4	3	791	1339	767	791	142	150	954	1309	0.27
N+106.8	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	644.2249	353.671	12.5553	0.607	35.5349	842.2584	2	0.4	3	791	1385	2167	1385	142	150	954	1755	0.20
N+106.8	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	551.5393	359.1084	12.5511	0.6225	50.9572	1562.8585	2	0.4	3	791	1367	815	815	142	150	954	1327	0.27
N+106.8	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	781.6645	359.1084	12.5511	0.6225	35.5139	856.2984	2	0.4	3	791	1413	2235	1413	142	150	954	1775	0.20
N+106.8	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	261.2303	1145.25	3.9361	1.7836	16.0224	5075.3989	2	0.4	3	791	1309	752	791	142	150	954	1309	0.87
N+106.8	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	491.3555	1145.25	3.9361	1.7836	11.0849	2734.5628	2	0.4	3	791	1355	2071	1355	142	150	954	1732	0.66
N+106.8	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	704.4087	1150.6874	3.9319	1.799	16.03	5052.519	2	0.4	3	791	1397	833	833	142	150	954	1340	0.86
N+106.8	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	934.5339	1150.6874	3.9319	1.799	11.0639	2748.6029	2	0.4	3	791	1443	2309	1443	142	150	954	1798	0.64
N+106.8	M19	0.9D+1.0Ex+0.3Ey	Top	293.3898	354.3202	12.5546	0.6095	50.9506	1583.0868	2	0.4	3	791	1315	751	791	142	150	954	1309	0.27
N+106.8	M19	0.9D+1.0Ex+0.3Ey	Bottom	465.9837	354.3202	12.5546	0.6095	35.5316	844.0145	2	0.4	3	791	1350	2069	1350	142	150	954	1728	0.21

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M19	0.9D+1.0Ex+0.3Ey	Top	430.8294	358.4593	12.5517	0.62	50.9563	1565.51	2	0.4	3	791	1343	792	792	142	150	954	1309	0.27
N+106.8	M19	0.9D+1.0Ex+0.3Ey	Bottom	603.4233	358.4593	12.5517	0.62	35.5172	854.5423	2	0.4	3	791	1377	2140	1377	142	150	954	1749	0.20
N+106.8	M19	0.9D+1.0Ey+0.3Ex	Top	140.5204	1145.8991	3.9355	1.7861	16.0234	5072.7474	2	0.4	3	791	1285	733	791	142	150	954	1309	0.88
N+106.8	M19	0.9D+1.0Ey+0.3Ex	Bottom	313.1143	1145.8991	3.9355	1.7861	11.0816	2736.3189	2	0.4	3	791	1319	1974	1319	142	150	954	1705	0.67
N+106.8	M19	0.9D+1.0Ey+0.3Ex	Top	583.6987	1150.0382	3.9325	1.7965	16.0291	5055.1705	2	0.4	3	791	1373	812	812	142	150	954	1324	0.87
N+106.8	M19	0.9D+1.0Ey+0.3Ex	Bottom	756.2926	1150.0382	3.9325	1.7965	11.0672	2746.8468	2	0.4	3	791	1408	2213	1408	142	150	954	1772	0.65
N+106.8	M20	1.4D	Top	562.391	7.017	0.0016	0.0082	0.002	29.2862	2	0.4	3	791	1369	856	856	142	150	954	1358	0.01
N+106.8	M20	1.4D	Bottom	830.8704	7.017	0.0016	0.0082	0.0091	18.3591	2	0.4	3	791	1423	1841	1423	142	150	954	1783	0.00
N+106.8	M20	1.2D+1.6L+0.5Lr	Top	482.0378	6.0752	0.0015	0.0082	0.0012	25.527	2	0.4	3	791	1353	835	835	142	150	954	1342	0.00
N+106.8	M20	1.2D+1.6L+0.5Lr	Bottom	712.1631	6.0752	0.0015	0.0082	0.0089	15.7239	2	0.4	3	791	1399	1830	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.6L+0.5G	Top	482.0382	6.0772	0.0015	0.0082	0.001	25.536	2	0.4	3	791	1353	835	835	142	150	954	1342	0.00
N+106.8	M20	1.2D+1.6L+0.5G	Bottom	712.1634	6.0772	0.0015	0.0082	0.0089	15.7284	2	0.4	3	791	1399	1830	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.6L+0.5Le	Top	482.0384	6.0785	0.0014	0.0082	0.0009	25.5416	2	0.4	3	791	1353	835	835	142	150	954	1342	0.00
N+106.8	M20	1.2D+1.6L+0.5Le	Bottom	712.1636	6.0785	0.0014	0.0082	0.0089	15.7312	2	0.4	3	791	1399	1830	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.6Lr+1.0L	Top	482.0402	6.0409	0.0016	0.0078	0.0025	25.3156	2	0.4	3	791	1353	838	838	142	150	954	1344	0.00
N+106.8	M20	1.2D+1.6Lr+1.0L	Bottom	712.1654	6.0409	0.0016	0.0078	0.0086	15.7024	2	0.4	3	791	1399	1814	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.6G+1.0L	Top	482.0413	6.0473	0.0015	0.0078	0.0019	25.3444	2	0.4	3	791	1353	837	837	142	150	954	1344	0.00
N+106.8	M20	1.2D+1.6G+1.0L	Bottom	712.1665	6.0473	0.0015	0.0078	0.0086	15.7168	2	0.4	3	791	1399	1814	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.6Le+1.0L	Top	482.042	6.0513	0.0015	0.0078	0.0015	25.3624	2	0.4	3	791	1353	837	837	142	150	954	1344	0.00
N+106.8	M20	1.2D+1.6Le+1.0L	Bottom	712.1672	6.0513	0.0015	0.0078	0.0085	15.7259	2	0.4	3	791	1399	1814	1399	142	150	954	1765	0.00
N+106.8	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	413.2409	362.4349	12.5566	0.6099	50.953	1548.8614	2	0.4	3	791	1339	808	808	142	150	954	1321	0.27
N+106.8	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	643.3661	362.4349	12.5566	0.6099	35.5429	865.0015	2	0.4	3	791	1385	2156	1385	142	150	954	1755	0.21
N+106.8	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	550.8444	350.3244	12.5537	0.6254	50.9553	1599.6223	2	0.4	3	791	1367	774	791	142	150	954	1309	0.27
N+106.8	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	780.9696	350.3244	12.5537	0.6254	35.526	833.5316	2	0.4	3	791	1413	2247	1413	142	150	954	1775	0.20
N+106.8	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	260.4289	1154.0209	3.9541	1.7844	16.0308	5038.5615	2	0.4	3	791	1309	763	791	142	150	954	1309	0.88
N+106.8	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	490.5541	1154.0209	3.9541	1.7844	11.2021	2757.3142	2	0.4	3	791	1355	2067	1355	142	150	954	1732	0.67
N+106.8	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	703.6564	1141.9103	3.9513	1.7999	16.033	5089.3224	2	0.4	3	791	1397	819	819	142	150	954	1330	0.86
N+106.8	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	933.7816	1141.9103	3.9513	1.7999	11.1852	2725.8444	2	0.4	3	791	1443	2312	1443	142	150	954	1798	0.64
N+106.8	M20	0.9D+1.0Ex+0.3Ey	Top	292.7353	360.8906	12.5562	0.6124	50.9529	1555.415	2	0.4	3	791	1315	780	791	142	150	954	1309	0.28
N+106.8	M20	0.9D+1.0Ex+0.3Ey	Bottom	465.3292	360.8906	12.5562	0.6124	35.5403	861.0688	2	0.4	3	791	1350	2061	1350	142	150	954	1728	0.21
N+106.8	M20	0.9D+1.0Ex+0.3Ey	Top	430.3388	351.8687	12.5541	0.6229	50.9554	1593.0687	2	0.4	3	791	1343	762	791	142	150	954	1309	0.27
N+106.8	M20	0.9D+1.0Ex+0.3Ey	Bottom	602.9327	351.8687	12.5541	0.6229	35.5286	837.4643	2	0.4	3	791	1377	2148	1377	142	150	954	1749	0.20
N+106.8	M20	0.9D+1.0Ey+0.3Ex	Top	139.9233	1152.4765	3.9538	1.7869	16.0306	5045.1151	2	0.4	3	791	1285	741	791	142	150	954	1309	0.88
N+106.8	M20	0.9D+1.0Ey+0.3Ex	Bottom	312.5172	1152.4765	3.9538	1.7869	11.1995	2753.3816	2	0.4	3	791	1319	1972	1319	142	150	954	1705	0.68
N+106.8	M20	0.9D+1.0Ey+0.3Ex	Top	583.1508	1143.4547	3.9517	1.7974	16.0332	5082.7688	2	0.4	3	791	1373	802	802	142	150	954	1317	0.87
N+106.8	M20	0.9D+1.0Ey+0.3Ex	Bottom	755.7447	1143.4547	3.9517	1.7974	11.1878	2729.777	2	0.4	3	791	1408	2215	1408	142	150	954	1771	0.65
N+106.8	M21	1.4D	Top	637.0335	21.1913	0.0005	0.0084	0.0028	95.2453	6	0.4	3	791	1384	801	801	142	150	954	1316	0.02
N+106.8	M21	1.4D	Bottom	905.5129	21.1913	0.0005	0.0084	0.0065	48.6436	6	0.4	3	791	1438	2534	1438	142	150	954	1794	0.01
N+106.8	M21	1.2D+1.6L+0.5Lr	Top	546.0587	18.1069	0.0004	0.0085	0.0035	81.2293	6	0.4	3	791	1366	788	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6L+0.5Lr	Bottom	776.1839	18.1069	0.0004	0.0085	0.0065	41.7164	6	0.4	3	791	1412	2433	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.6L+0.5G	Top	546.0579	18.1048	0.0004	0.0085	0.0038	81.22	6	0.4	3	791	1366	788	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6L+0.5G	Bottom	776.1831	18.1048	0.0004	0.0085	0.0064	41.7118	6	0.4	3	791	1412	2433	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.6L+0.5Le	Top	546.0574	18.1036	0.0004	0.0085	0.004	81.2143	6	0.4	3	791	1366	788	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6L+0.5Le	Bottom	776.1826	18.1036	0.0004	0.0085	0.0064	41.709	6	0.4	3	791	1412	2433	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.6Lr+1.0L	Top	546.0522	18.1401	0.0007	0.008	0.0014	81.4365	6	0.4	3	791	1366	787	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6Lr+1.0L	Bottom	776.1774	18.1401	0.0007	0.008	0.0064	41.7345	6	0.4	3	791	1412	2442	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.6G+1.0L	Top	546.0496	18.1336	0.0006	0.008	0.0023	81.4069	6	0.4	3	791	1366	787	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6G+1.0L	Bottom	776.1748	18.1336	0.0006	0.008	0.0063	41.72	6	0.4	3	791	1412	2442	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.6Le+1.0L	Top	546.0479	18.1295	0.0005	0.008	0.0029	81.3884	6	0.4	3	791	1366	787	791	142	150	954	1309	0.01
N+106.8	M21	1.2D+1.6Le+1.0L	Bottom	776.1731	18.1295	0.0005	0.008	0.0062	41.7109	6	0.4	3	791	1412	2442	1412	142	150	954	1774	0.01
N+106.8	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	371.5646	322.4915	12.6802	0.6254	51.5355	1579.0893	6	0.4	3	791	1331	696	791	142	150	954	1309	0.25
N+106.8	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	601.6898	322.4915	12.6802	0.6254	35.8106	777.2134	6	0.4	3	791	1377	2084	1377	142	150	954	1748	0.18
N+106.8	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	720.528	358.7424	12.6794	0.6414	51.5285	1416.3495	6	0.4	3	791	1401	944	944	142	150	954	1424	0.25
N+106.8	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	950.6532	358.7424	12.6794	0.6414	35.7985	860.617	6	0.4	3	791	1447	2293	1447	142	150	954	1801	0.20
N+106.8	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	-11.8928	1079.5778	4.2332	1.7853	17.2327	4902.3141	6	0.4	3	791	1254	690	791	142	150	954	1309	0.82
N+106.8	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	218.2325	1079.5778	4.2332	1.7853	11.9274	2602.444	6	0.4	3	791	1300	1881	1300	142	150	954	1691	0.64
N+106.8	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	1103.9854	1115.8287	4.2325	1.8013	17.2257	4739.5744	6	0.4	3	791	1477	934	934	142	150	954	1416	0.79
N+106.8	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1334.1106	1115.8287	4.2325	1.8013	11.9152	2685.8476	6	0.4	3	791	1523	2478	1523	142	150	954	1858	0.60
N+106.8	M21	0.9D+1.0Ex+0.3Ey	Top	235.0398	326.994	12.6802	0.6279	51.5338	1558.9485	6	0.4	3	791	1304	694	791	142	150	954	1309	0.25
N+106.8	M21	0.9D+1.0Ex+0.3Ey	Bottom	407.6337	326.994	12.6802	0.6279	35.8087	787.6443	6	0.4	3	791	1338	1984	1338	142	150	954	1719	0.19
N+106.8	M21	0.9D+1.0Ex+0.3Ey	Top	584.0032	354.2399	12.6795	0.6388	51.5302	1436.4902	6	0.4	3	791	1373	889	889	142	150	954	1382	0.26

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M21	0.9D+1.0Ex+0.3Ey	Bottom	756.5971	354.2399	12.6795	0.6388	35.8004	850.1861	6	0.4	3	791	1408	2187	1408	142	150	954	1772	0.20
N+106.8	M21	0.9D+1.0Ey+0.3Ex	Top	-148.4175	1084.0803	4.2332	1.7879	17.231	4882.1734	6	0.4	3	791	1227	674	791	142	150	954	1309	0.83
N+106.8	M21	0.9D+1.0Ey+0.3Ex	Bottom	24.1764	1084.0803	4.2332	1.7879	11.9255	2612.8749	6	0.4	3	791	1261	1779	1261	142	150	954	1662	0.65
N+106.8	M21	0.9D+1.0Ey+0.3Ex	Top	967.4606	1111.3262	4.2325	1.7987	17.2274	4759.7151	6	0.4	3	791	1450	901	901	142	150	954	1392	0.80
N+106.8	M21	0.9D+1.0Ey+0.3Ex	Bottom	1140.0545	1111.3262	4.2325	1.7987	11.9171	2675.4167	6	0.4	3	791	1485	2374	1485	142	150	954	1829	0.61
N+106.8	M22	1.4D	Top	671.2506	18.9297	0.0054	0.0094	0.0361	84.6139	2	0.4	3	791	1391	811	811	142	150	954	1324	0.01
N+106.8	M22	1.4D	Bottom	939.73	18.9297	0.0054	0.0094	0.0006	43.9188	2	0.4	3	791	1444	2485	1444	142	150	954	1799	0.01
N+106.8	M22	1.2D+1.6L+0.5Lr	Top	575.3376	16.2801	0.0049	0.0093	0.0332	72.9278	2	0.4	3	791	1372	794	794	142	150	954	1311	0.01
N+106.8	M22	1.2D+1.6L+0.5Lr	Bottom	805.4628	16.2801	0.0049	0.0093	0.0001	37.6139	2	0.4	3	791	1418	2432	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.6L+0.5G	Top	575.3381	16.2821	0.005	0.0093	0.0337	72.9373	2	0.4	3	791	1372	794	794	142	150	954	1311	0.01
N+106.8	M22	1.2D+1.6L+0.5G	Bottom	805.4633	16.2821	0.005	0.0093	0.00002854	37.6185	2	0.4	3	791	1418	2432	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.6L+0.5Le	Top	575.3384	16.2834	0.005	0.0093	0.034	72.9432	2	0.4	3	791	1372	794	794	142	150	954	1311	0.01
N+106.8	M22	1.2D+1.6L+0.5Le	Bottom	805.4636	16.2834	0.005	0.0093	0.00003281	37.6213	2	0.4	3	791	1418	2433	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.6Lr+1.0L	Top	575.3422	16.2476	0.0043	0.0089	0.0298	72.7223	2	0.4	3	791	1372	795	795	142	150	954	1312	0.01
N+106.8	M22	1.2D+1.6Lr+1.0L	Bottom	805.4674	16.2476	0.0043	0.0089	0.0005	37.5989	2	0.4	3	791	1418	2422	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.6G+1.0L	Top	575.3438	16.2542	0.0046	0.0089	0.0312	72.7526	2	0.4	3	791	1372	795	795	142	150	954	1312	0.01
N+106.8	M22	1.2D+1.6G+1.0L	Bottom	805.469	16.2542	0.0046	0.0089	0.0002	37.6136	2	0.4	3	791	1418	2423	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.6Le+1.0L	Top	575.3448	16.2584	0.0047	0.0089	0.0321	72.7716	2	0.4	3	791	1372	795	795	142	150	954	1312	0.01
N+106.8	M22	1.2D+1.6Le+1.0L	Bottom	805.47	16.2584	0.0047	0.0089	0.00004518	37.6227	2	0.4	3	791	1418	2423	1418	142	150	954	1779	0.01
N+106.8	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	462.351	354.0927	13.3334	0.8909	54.7181	1424.3433	2	0.4	3	791	1349	874	874	142	150	954	1371	0.26
N+106.8	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	692.4762	354.0927	13.3334	0.8909	37.0822	839.0834	2	0.4	3	791	1395	2220	1395	142	150	954	1762	0.20
N+106.8	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	688.3406	321.5677	13.3432	0.9086	54.6521	1569.9244	2	0.4	3	791	1394	743	791	142	150	954	1309	0.25
N+106.8	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	918.4658	321.5677	13.3432	0.9086	37.0827	763.8197	2	0.4	3	791	1440	2331	1440	142	150	954	1796	0.18
N+106.8	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	216.1273	1094.1644	4.7187	1.7885	19.4553	4681.5372	2	0.4	3	791	1300	772	791	142	150	954	1309	0.84
N+106.8	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	446.2525	1094.1644	4.7187	1.7885	13.106	2614.7564	2	0.4	3	791	1346	2043	1346	142	150	954	1725	0.63
N+106.8	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	934.5644	1061.6394	4.7285	1.8062	19.3893	4827.1183	2	0.4	3	791	1443	838	838	142	150	954	1344	0.79
N+106.8	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1164.6896	1061.6394	4.7285	1.8062	13.1065	2539.4927	2	0.4	3	791	1489	2424	1489	142	150	954	1833	0.58
N+106.8	M22	0.9D+1.0Ex+0.3Ey	Top	318.5234	349.9993	13.3348	0.8937	54.7083	1442.7392	2	0.4	3	791	1320	823	823	142	150	954	1333	0.26
N+106.8	M22	0.9D+1.0Ex+0.3Ey	Bottom	491.1174	349.9993	13.3348	0.8937	37.0821	829.6851	2	0.4	3	791	1355	2107	1355	142	150	954	1732	0.20
N+106.8	M22	0.9D+1.0Ex+0.3Ey	Top	544.513	325.6611	13.3418	0.9058	54.6619	1551.5286	2	0.4	3	791	1365	740	791	142	150	954	1309	0.25
N+106.8	M22	0.9D+1.0Ex+0.3Ey	Bottom	717.1069	325.6611	13.3418	0.9058	37.0828	773.2181	2	0.4	3	791	1400	2223	1400	142	150	954	1766	0.18
N+106.8	M22	0.9D+1.0Ey+0.3Ex	Top	72.2997	1090.071	4.7201	1.7913	19.4455	4699.9331	2	0.4	3	791	1271	742	791	142	150	954	1309	0.83
N+106.8	M22	0.9D+1.0Ey+0.3Ex	Bottom	244.8936	1090.071	4.7201	1.7913	13.1059	2605.3581	2	0.4	3	791	1305	1933	1305	142	150	954	1695	0.64
N+106.8	M22	0.9D+1.0Ey+0.3Ex	Top	790.7368	1065.7328	4.7271	1.8034	19.3991	4808.7225	2	0.4	3	791	1415	822	822	142	150	954	1332	0.80
N+106.8	M22	0.9D+1.0Ey+0.3Ex	Bottom	963.3307	1065.7328	4.7271	1.8034	13.1066	2548.8911	2	0.4	3	791	1449	2317	1449	142	150	954	1803	0.59
N+106.8	M23	1.4D	Top	524.6817	13.7252	0.0903	0.1281	0.1066	60.9478	1	0.4	3	791	1361	793	793	142	150	954	1311	0.01
N+106.8	M23	1.4D	Bottom	793.1611	13.7252	0.0903	0.1281	0.5062	32.246	1	0.4	3	791	1415	2325	1415	142	150	954	1777	0.01
N+106.8	M23	1.2D+1.6L+0.5Lr	Top	449.8087	11.8028	0.0767	0.1084	0.087	52.5554	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6L+0.5Lr	Bottom	679.934	11.8028	0.0767	0.1084	0.434	27.5856	1	0.4	3	791	1393	2290	1393	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.6L+0.5G	Top	449.8036	11.8056	0.0766	0.1084	0.0865	52.5692	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6L+0.5G	Bottom	679.9288	11.8056	0.0766	0.1084	0.4339	27.5911	1	0.4	3	791	1393	2290	1393	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.6L+0.5Le	Top	449.8004	11.8074	0.0766	0.1084	0.0863	52.5778	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6L+0.5Le	Bottom	679.9256	11.8074	0.0766	0.1084	0.4338	27.5945	1	0.4	3	791	1393	2291	1393	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.6Lr+1.0L	Top	449.808	11.7719	0.0774	0.1088	0.0911	52.3576	1	0.4	3	791	1346	780	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6Lr+1.0L	Bottom	679.9332	11.7719	0.0774	0.1088	0.4344	27.5738	1	0.4	3	791	1393	2278	1393	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.6G+1.0L	Top	449.7915	11.781	0.0772	0.1089	0.0897	52.4017	1	0.4	3	791	1346	780	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6G+1.0L	Bottom	679.9167	11.781	0.0772	0.1089	0.4342	27.5915	1	0.4	3	791	1393	2278	1393	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.6Le+1.0L	Top	449.7812	11.7867	0.077	0.1089	0.0889	52.4293	1	0.4	3	791	1346	779	791	142	150	954	1309	0.01
N+106.8	M23	1.2D+1.6Le+1.0L	Bottom	679.9064	11.7867	0.077	0.1089	0.434	27.6025	1	0.4	3	791	1392	2279	1392	142	150	954	1760	0.01
N+106.8	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	-512.5645	509.2663	23.6355	8.9985	92.7003	2172.3415	1	0.4	3	791	1154	649	791	142	150	954	1309	0.39
N+106.8	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-282.4393	509.2663	23.6355	8.9985	68.1602	1184.9533	1	0.4	3	791	1200	1757	1200	142	150	954	1616	0.32
N+106.8	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	1412.1063	485.6816	23.4818	8.7806	92.8763	2277.2553	1	0.4	3	791	1539	883	883	142	150	954	1378	0.35
N+106.8	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1642.2315	485.6816	23.4818	8.7806	67.2925	1129.7263	1	0.4	3	791	1585	2877	1585	142	150	954	1904	0.26
N+106.8	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	-9.024	1085.4542	10.7212	5.7196	39.2469	4565.3417	1	0.4	3	791	1255	747	791	142	150	954	1309	0.83
N+106.8	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	221.1012	1085.4542	10.7212	5.7196	33.6692	2712.7065	1	0.4	3	791	1301	1736	1301	142	150	954	1691	0.64
N+106.8	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	908.5658	1061.8694	10.5675	5.5017	39.4229	4670.2554	1	0.4	3	791	1438	865	865	142	150	954	1364	0.78
N+106.8	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1138.691	1061.8694	10.5675	5.5017	32.8015	2657.4795	1	0.4	3	791	1484	2170	1484	142	150	954	1829	0.58
N+106.8	M23	0.9D+1.0Ex+0.3Ey	Top	-625.04	506.2973	23.6167	8.9719	92.7198	2185.6177	1	0.4	3	791	1132	622	791	142	150	954	1309	0.39
N+106.8	M23	0.9D+1.0Ex+0.3Ey	Bottom	-452.4461	506.2973	23.6167	8.9719	68.0518	1178.0694	1	0.4	3	791	1166	1659	1166	142	150	954	1590	0.32
N+106.8	M23	0.9D+1.0Ex+0.3Ey	Top	1299.6308	488.6506	23.5006	8.8072	92.8568	2263.9791	1	0.4	3	791	1516	877	877	142	150	954	1374	0.36
N+106.8	M23	0.9D+1.0Ex+0.3Ey	Bottom	1472.2247	488.6506	23.5006	8.8072	67.4009	1136.6102	1	0.4	3	791	1551	2778	1551	142	150	954	1879	0.26

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M23	0.9D+1.0Ey+0.3Ex	Top	-121.4995	1082.4852	10.7024	5.693	39.2664	4578.6178	1	0.4	3	791	1232	723	791	142	150	954	1309	0.83
N+106.8	M23	0.9D+1.0Ey+0.3Ex	Bottom	51.0944	1082.4852	10.7024	5.693	33.5608	2705.8226	1	0.4	3	791	1267	1654	1267	142	150	954	1666	0.65
N+106.8	M23	0.9D+1.0Ey+0.3Ex	Top	796.0903	1064.8385	10.5863	5.5283	39.4034	4656.9793	1	0.4	3	791	1416	852	852	142	150	954	1354	0.79
N+106.8	M23	0.9D+1.0Ey+0.3Ex	Bottom	968.6842	1064.8385	10.5863	5.5283	32.9099	2664.3634	1	0.4	3	791	1450	2090	1450	142	150	954	1803	0.59
N+106.8	M24	1.4D	Top	525.3176	12.2998	0.059	0.132	0.0019	55.3541	1	0.4	3	791	1362	782	791	142	150	954	1309	0.01
N+106.8	M24	1.4D	Bottom	793.797	12.2998	0.059	0.132	0.3989	28.1612	1	0.4	3	791	1415	2483	1415	142	150	954	1777	0.01
N+106.8	M24	1.2D+1.6L+0.5Lr	Top	450.323	10.6138	0.0508	0.1143	0.0026	47.7953	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6L+0.5Lr	Bottom	680.4483	10.6138	0.0508	0.1143	0.3472	24.2721	1	0.4	3	791	1393	2422	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.6L+0.5G	Top	450.3215	10.6155	0.0507	0.1143	0.003	47.8081	1	0.4	3	791	1347	769	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6L+0.5G	Bottom	680.4467	10.6155	0.0507	0.1143	0.347	24.2714	1	0.4	3	791	1393	2423	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.6L+0.5Le	Top	450.3206	10.6167	0.0506	0.1142	0.0032	47.8162	1	0.4	3	791	1347	769	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6L+0.5Le	Bottom	680.4458	10.6167	0.0506	0.1142	0.3469	24.2709	1	0.4	3	791	1393	2424	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.6Lr+1.0L	Top	450.3128	10.5767	0.0512	0.1139	0.0012	47.5899	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6Lr+1.0L	Bottom	680.438	10.5767	0.0512	0.1139	0.3464	24.2261	1	0.4	3	791	1393	2412	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.6G+1.0L	Top	450.3079	10.5824	0.0509	0.1139	0.00001046	47.6311	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6G+1.0L	Bottom	680.4331	10.5824	0.0509	0.1139	0.3458	24.2238	1	0.4	3	791	1393	2416	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.6Le+1.0L	Top	450.3049	10.586	0.0507	0.1139	0.0008	47.6568	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M24	1.2D+1.6Le+1.0L	Bottom	680.4301	10.586	0.0507	0.1139	0.3454	24.2223	1	0.4	3	791	1393	2419	1393	142	150	954	1760	0.01
N+106.8	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	94.7197	1216.9406	12.4082	7.3843	46.5446	5081.6581	1	0.4	3	791	1275	771	791	142	150	954	1309	0.93
N+106.8	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	324.8449	1216.9406	12.4082	7.3843	37.8672	3104.7211	1	0.4	3	791	1321	1709	1321	142	150	954	1707	0.71
N+106.8	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	805.884	1195.7613	12.5093	7.612	46.5477	5177.0232	1	0.4	3	791	1418	863	863	142	150	954	1363	0.88
N+106.8	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1036.0092	1195.7613	12.5093	7.612	38.5571	3056.2793	1	0.4	3	791	1464	2026	1464	142	150	954	1813	0.66
N+106.8	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	-357.2314	444.6269	21.1648	6.5866	84.9515	1861.9613	1	0.4	3	791	1185	688	791	142	150	954	1309	0.34
N+106.8	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-127.1062	444.6269	21.1648	6.5866	59.2622	1084.2547	1	0.4	3	791	1231	1655	1231	142	150	954	1639	0.27
N+106.8	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	1257.8351	423.4477	21.2659	6.8143	84.9546	1957.3264	1	0.4	3	791	1508	873	873	142	150	954	1371	0.31
N+106.8	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1487.9603	423.4477	21.2659	6.8143	59.9521	1035.813	1	0.4	3	791	1554	2463	1554	142	150	954	1881	0.23
N+106.8	M24	0.9D+1.0Ex+0.3Ey	Top	-17.8779	1214.2579	12.4208	7.4133	46.5473	5093.7558	1	0.4	3	791	1253	748	791	142	150	954	1309	0.93
N+106.8	M24	0.9D+1.0Ex+0.3Ey	Bottom	154.716	1214.2579	12.4208	7.4133	37.9558	3098.6038	1	0.4	3	791	1287	1631	1287	142	150	954	1681	0.72
N+106.8	M24	0.9D+1.0Ex+0.3Ey	Top	693.2863	1198.444	12.4967	7.583	46.5449	5164.9255	1	0.4	3	791	1395	848	848	142	150	954	1352	0.89
N+106.8	M24	0.9D+1.0Ex+0.3Ey	Bottom	865.8802	1198.444	12.4967	7.583	38.4686	3062.3965	1	0.4	3	791	1430	1949	1430	142	150	954	1788	0.67
N+106.8	M24	0.9D+1.0Ey+0.3Ex	Top	-469.829	441.9443	21.1774	6.6156	84.9542	1874.059	1	0.4	3	791	1163	660	791	142	150	954	1309	0.34
N+106.8	M24	0.9D+1.0Ey+0.3Ex	Bottom	-297.2351	441.9443	21.1774	6.6156	59.3507	1078.1375	1	0.4	3	791	1197	1567	1197	142	150	954	1613	0.27
N+106.8	M24	0.9D+1.0Ey+0.3Ex	Top	1145.2374	426.1303	21.2533	6.7853	84.9518	1945.2287	1	0.4	3	791	1486	868	868	142	150	954	1366	0.31
N+106.8	M24	0.9D+1.0Ey+0.3Ex	Bottom	1317.8313	426.1303	21.2533	6.7853	59.8636	1041.9302	1	0.4	3	791	1520	2379	1520	142	150	954	1856	0.23
N+106.8	M25	1.4D	Top	670.607	17.8716	0.0233	0.0063	0.0881	80.7702	4	0.4	3	791	1391	802	802	142	150	954	1317	0.01
N+106.8	M25	1.4D	Bottom	939.0864	17.8716	0.0233	0.0063	0.07	40.578	4	0.4	3	791	1444	2630	1444	142	150	954	1799	0.01
N+106.8	M25	1.2D+1.6L+0.5Lr	Top	574.7707	15.4046	0.0198	0.0067	0.0803	69.655	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6L+0.5Lr	Bottom	804.896	15.4046	0.0198	0.0067	0.0543	34.9422	4	0.4	3	791	1417	2553	1417	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.6L+0.5G	Top	574.7731	15.4059	0.0199	0.0067	0.0808	69.6651	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6L+0.5G	Bottom	804.8983	15.4059	0.0199	0.0067	0.0546	34.941	4	0.4	3	791	1417	2554	1417	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.6L+0.5Le	Top	574.7745	15.4067	0.02	0.0067	0.0811	69.6714	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6L+0.5Le	Bottom	804.8997	15.4067	0.02	0.0067	0.0547	34.9402	4	0.4	3	791	1417	2554	1417	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.6Lr+1.0L	Top	574.7704	15.3647	0.0193	0.0062	0.0758	69.4379	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6Lr+1.0L	Bottom	804.8957	15.3647	0.0193	0.0062	0.0552	34.8887	4	0.4	3	791	1417	2545	1417	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.6G+1.0L	Top	574.7779	15.3689	0.0196	0.0062	0.0773	69.4701	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6G+1.0L	Bottom	804.9031	15.3689	0.0196	0.0062	0.0559	34.8849	4	0.4	3	791	1417	2548	1417	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.6Le+1.0L	Top	574.7826	15.3715	0.0198	0.0062	0.0782	69.4903	4	0.4	3	791	1371	786	791	142	150	954	1309	0.01
N+106.8	M25	1.2D+1.6Le+1.0L	Bottom	804.9078	15.3715	0.0198	0.0062	0.0564	34.8825	4	0.4	3	791	1418	2550	1418	142	150	954	1779	0.01
N+106.8	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	130.6267	1282.0098	3.978	0.7005	16.8392	5458.2975	4	0.4	3	791	1283	762	791	142	150	954	1309	0.98
N+106.8	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	360.752	1282.0098	3.978	0.7005	10.3561	3120.9211	4	0.4	3	791	1329	1912	1329	142	150	954	1712	0.75
N+106.8	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	1018.9477	1251.2614	3.938	0.7129	16.9975	5597.3183	4	0.4	3	791	1460	867	867	142	150	954	1366	0.92
N+106.8	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1249.0729	1251.2614	3.938	0.7129	10.2425	3051.1608	4	0.4	3	791	1506	2359	1506	142	150	954	1845	0.68
N+106.8	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	400.2165	507.645	12.2329	1.6185	51.4695	2081.0576	4	0.4	3	791	1337	844	844	142	150	954	1348	0.38
N+106.8	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	630.3417	507.645	12.2329	1.6185	32.5506	1232.1741	4	0.4	3	791	1383	2065	1383	142	150	954	1753	0.29
N+106.8	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	749.358	476.8967	12.1928	1.6309	51.6278	2220.0784	4	0.4	3	791	1406	789	791	142	150	954	1309	0.36
N+106.8	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	979.4832	476.8967	12.1928	1.6309	32.437	1162.4139	4	0.4	3	791	1452	2223	1452	142	150	954	1805	0.26
N+106.8	M25	0.9D+1.0Ex+0.3Ey	Top	-13.056	1278.1245	3.973	0.7026	16.8617	5475.8842	4	0.4	3	791	1254	732	791	142	150	954	1309	0.98
N+106.8	M25	0.9D+1.0Ex+0.3Ey	Bottom	159.5379	1278.1245	3.973	0.7026	10.3444	3112.1268	4	0.4	3	791	1288	1808	1288	142	150	954	1682	0.76
N+106.8	M25	0.9D+1.0Ex+0.3Ey	Top	875.265	1255.1467	3.943	0.7108	16.9749	5579.7316	4	0.4	3	791	1432	849	849	142	150	954	1353	0.93
N+106.8	M25	0.9D+1.0Ex+0.3Ey	Bottom	1047.8589	1255.1467	3.943	0.7108	10.2543	3059.9551	4	0.4	3	791	1466	2257	1466	142	150	954	1815	0.69
N+106.8	M25	0.9D+1.0Ey+0.3Ex	Top	256.5337	503.7597	12.2278	1.6206	51.4921	2098.6443	4	0.4	3	791	1308	803	803	142	150	954	1318	0.38

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M25	0.9D+1.0Ey+0.3Ex	Bottom	429.1276	503.7597	12.2278	1.6206	32.5388	1223.3799	4	0.4	3	791	1342	1958	1342	142	150	954	1722	0.29
N+106.8	M25	0.9D+1.0Ey+0.3Ex	Top	605.6752	480.7819	12.1979	1.6288	51.6053	2202.4917	4	0.4	3	791	1378	780	791	142	150	954	1309	0.37
N+106.8	M25	0.9D+1.0Ey+0.3Ex	Bottom	778.2691	480.7819	12.1979	1.6288	32.4487	1171.2081	4	0.4	3	791	1412	2123	1412	142	150	954	1775	0.27
N+106.8	M26	1.4D	Top	749.7238	0.4911	0.0183	0.0078	0.057	2.1764	6	0.4	3	791	1406	832	832	142	150	954	1339	0.00
N+106.8	M26	1.4D	Bottom	1018.2032	0.4911	0.0183	0.0078	0.0671	1.158	6	0.4	3	791	1460	2430	1460	142	150	954	1811	0.00
N+106.8	M26	1.2D+1.6L+0.5Lr	Top	642.6204	0.5019	0.0157	0.0079	0.0547	2.2643	6	0.4	3	791	1385	799	799	142	150	954	1315	0.00
N+106.8	M26	1.2D+1.6L+0.5Lr	Bottom	872.7456	0.5019	0.0157	0.0079	0.0521	1.1435	6	0.4	3	791	1431	2565	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.6L+0.5G	Top	642.6204	0.5035	0.0159	0.0079	0.0553	2.2758	6	0.4	3	791	1385	797	797	142	150	954	1314	0.00
N+106.8	M26	1.2D+1.6L+0.5G	Bottom	872.7456	0.5035	0.0159	0.0079	0.0524	1.1427	6	0.4	3	791	1431	2591	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.6L+0.5Le	Top	642.6204	0.5044	0.0159	0.0079	0.0557	2.283	6	0.4	3	791	1385	796	796	142	150	954	1313	0.00
N+106.8	M26	1.2D+1.6L+0.5Le	Bottom	872.7456	0.5044	0.0159	0.0079	0.0525	1.1421	6	0.4	3	791	1431	2608	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.6Lr+1.0L	Top	642.6204	0.4625	0.0149	0.0075	0.0489	2.048	6	0.4	3	791	1385	815	815	142	150	954	1327	0.00
N+106.8	M26	1.2D+1.6Lr+1.0L	Bottom	872.7456	0.4625	0.0149	0.0075	0.0526	1.0921	6	0.4	3	791	1431	2340	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.6G+1.0L	Top	642.6204	0.4675	0.0154	0.0075	0.0509	2.0849	6	0.4	3	791	1385	809	809	142	150	954	1322	0.00
N+106.8	M26	1.2D+1.6G+1.0L	Bottom	872.7456	0.4675	0.0154	0.0075	0.0534	1.0892	6	0.4	3	791	1431	2420	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.6Le+1.0L	Top	642.6204	0.4706	0.0156	0.0075	0.0521	2.1079	6	0.4	3	791	1385	805	805	142	150	954	1319	0.00
N+106.8	M26	1.2D+1.6Le+1.0L	Bottom	872.7456	0.4706	0.0156	0.0075	0.054	1.0875	6	0.4	3	791	1431	2471	1431	142	150	954	1789	0.00
N+106.8	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	640.1302	1201.9586	3.7379	0.6108	15.586	5203.1921	6	0.4	3	791	1385	835	835	142	150	954	1342	0.90
N+106.8	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	870.2554	1201.9586	3.7379	0.6108	10.0727	2968.4633	6	0.4	3	791	1431	2103	1431	142	150	954	1789	0.67
N+106.8	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	645.1106	1201.0111	3.7061	0.6258	15.6927	5207.4539	6	0.4	3	791	1386	834	834	142	150	954	1341	0.90
N+106.8	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	875.2358	1201.0111	3.7061	0.6258	9.9637	2966.2919	6	0.4	3	791	1432	2105	1432	142	150	954	1789	0.67
N+106.8	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	640.0248	471.8205	12.1143	1.7721	50.6235	2046.1022	6	0.4	3	791	1385	833	833	142	150	954	1341	0.35
N+106.8	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	870.15	471.8205	12.1143	1.7721	32.7179	1158.938	6	0.4	3	791	1431	2129	1431	142	150	954	1789	0.26
N+106.8	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	645.216	470.873	12.0825	1.7871	50.7303	2050.364	6	0.4	3	791	1386	830	830	142	150	954	1338	0.35
N+106.8	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	875.3412	470.873	12.0825	1.7871	32.6089	1156.7667	6	0.4	3	791	1432	2131	1432	142	150	954	1789	0.26
N+106.8	M26	0.9D+1.0Ex+0.3Ey	Top	479.4751	1201.8006	3.7337	0.6133	15.6028	5203.9239	6	0.4	3	791	1352	807	807	142	150	954	1321	0.91
N+106.8	M26	0.9D+1.0Ex+0.3Ey	Bottom	652.069	1201.8006	3.7337	0.6133	10.0613	2968.122	6	0.4	3	791	1387	1995	1387	142	150	954	1756	0.68
N+106.8	M26	0.9D+1.0Ex+0.3Ey	Top	484.4555	1201.1692	3.7102	0.6233	15.676	5206.7221	6	0.4	3	791	1353	807	807	142	150	954	1321	0.91
N+106.8	M26	0.9D+1.0Ex+0.3Ey	Bottom	657.0494	1201.1692	3.7102	0.6233	9.9751	2966.6332	6	0.4	3	791	1388	1998	1388	142	150	954	1757	0.68
N+106.8	M26	0.9D+1.0Ey+0.3Ex	Top	479.3697	471.6624	12.1102	1.7746	50.6403	2046.834	6	0.4	3	791	1352	805	805	142	150	954	1320	0.36
N+106.8	M26	0.9D+1.0Ey+0.3Ex	Bottom	651.9636	471.6624	12.1102	1.7746	32.7065	1158.5967	6	0.4	3	791	1387	2020	1387	142	150	954	1756	0.27
N+106.8	M26	0.9D+1.0Ey+0.3Ex	Top	484.5609	471.0311	12.0867	1.7846	50.7135	2049.6322	6	0.4	3	791	1353	804	804	142	150	954	1319	0.36
N+106.8	M26	0.9D+1.0Ey+0.3Ex	Bottom	657.1548	471.0311	12.0867	1.7846	32.6202	1157.1079	6	0.4	3	791	1388	2022	1388	142	150	954	1757	0.27
N+106.8	M27	1.4D	Top	748.4442	0.4716	0.0186	0.0082	0.0571	2.1621	2	0.4	3	791	1406	802	802	142	150	954	1317	0.00
N+106.8	M27	1.4D	Bottom	1016.9236	0.4716	0.0186	0.0082	0.069	1.0404	2	0.4	3	791	1460	2901	1460	142	150	954	1811	0.00
N+106.8	M27	1.2D+1.6L+0.5Lr	Top	641.5236	0.4851	0.0162	0.0082	0.0558	2.2511	2	0.4	3	791	1385	775	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6L+0.5Lr	Bottom	871.6488	0.4851	0.0162	0.0082	0.054	1.0426	2	0.4	3	791	1431	3027	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.6L+0.5G	Top	641.5236	0.4867	0.0163	0.0082	0.0565	2.2627	2	0.4	3	791	1385	774	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6L+0.5G	Bottom	871.6488	0.4867	0.0163	0.0082	0.0543	1.0417	2	0.4	3	791	1431	3066	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.6L+0.5Le	Top	641.5236	0.4876	0.0164	0.0082	0.057	2.2699	2	0.4	3	791	1385	773	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6L+0.5Le	Bottom	871.6488	0.4876	0.0164	0.0082	0.0545	1.0411	2	0.4	3	791	1431	3090	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.6Lr+1.0L	Top	641.5236	0.4457	0.0151	0.0078	0.0487	2.0349	2	0.4	3	791	1385	789	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6Lr+1.0L	Bottom	871.6488	0.4457	0.0151	0.0078	0.0541	0.9911	2	0.4	3	791	1431	2740	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.6G+1.0L	Top	641.5236	0.4507	0.0157	0.0078	0.0512	2.0719	2	0.4	3	791	1385	783	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6G+1.0L	Bottom	871.6488	0.4507	0.0157	0.0078	0.0551	0.9883	2	0.4	3	791	1431	2852	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.6Le+1.0L	Top	641.5236	0.4538	0.016	0.0078	0.0527	2.095	2	0.4	3	791	1385	779	791	142	150	954	1309	0.00
N+106.8	M27	1.2D+1.6Le+1.0L	Bottom	871.6488	0.4538	0.016	0.0078	0.0557	0.9865	2	0.4	3	791	1431	2925	1431	142	150	954	1789	0.00
N+106.8	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	641.4583	1200.2092	3.8458	0.6098	15.9717	5193.9922	2	0.4	3	791	1385	835	835	142	150	954	1342	0.89
N+106.8	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	871.5835	1200.2092	3.8458	0.6098	10.4114	2965.8408	2	0.4	3	791	1431	2101	1431	142	150	954	1789	0.67
N+106.8	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	641.5889	1199.2952	3.8132	0.6253	16.0803	5198.2285	2	0.4	3	791	1385	834	834	142	150	954	1341	0.89
N+106.8	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	871.7141	1199.2952	3.8132	0.6253	10.2986	2963.8713	2	0.4	3	791	1431	2101	1431	142	150	954	1789	0.67
N+106.8	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	641.3111	470.767	12.4912	1.786	52.116	2040.4927	2	0.4	3	791	1385	834	834	142	150	954	1341	0.35
N+106.8	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	871.4363	470.767	12.4912	1.786	33.8062	1157.4507	2	0.4	3	791	1431	2125	1431	142	150	954	1789	0.26
N+106.8	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	641.7361	469.853	12.4586	1.8015	52.2246	2044.729	2	0.4	3	791	1385	830	830	142	150	954	1338	0.35
N+106.8	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	871.8614	469.853	12.4586	1.8015	33.6935	1155.4811	2	0.4	3	791	1431	2124	1431	142	150	954	1789	0.26
N+106.8	M27	0.9D+1.0Ex+0.3Ey	Top	481.0774	1200.0554	3.8414	0.6123	15.9893	5194.7205	2	0.4	3	791	1353	808	808	142	150	954	1322	0.91
N+106.8	M27	0.9D+1.0Ex+0.3Ey	Bottom	653.6713	1200.0554	3.8414	0.6123	10.3993	2965.5249	2	0.4	3	791	1387	1993	1387	142	150	954	1756	0.68
N+106.8	M27	0.9D+1.0Ex+0.3Ey	Top	481.208	1199.449	3.8175	0.6228	16.0627	5197.5002	2	0.4	3	791	1353	807	807	142	150	954	1321	0.91
N+106.8	M27	0.9D+1.0Ex+0.3Ey	Bottom	653.8019	1199.449	3.8175	0.6228	10.3106	2964.1872	2	0.4	3	791	1387	1993	1387	142	150	954	1756	0.68
N+106.8	M27	0.9D+1.0Ey+0.3Ex	Top	480.9302	470.6132	12.4868	1.7885	52.1336	2041.221	2	0.4	3	791	1353	806	806	142	150	954	1320	0.36
N+106.8	M27	0.9D+1.0Ey+0.3Ex	Bottom	653.5241	470.6132	12.4868	1.7885	33.7942	1157.1347	2	0.4	3	791	1387	2016	1387	142	150	954	1756	0.27

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M27	0.9D+1.0Ey+0.3Ex	Top	481.3552	470.0068	12.463	1.799	52.207	2044.0008	2	0.4	3	791	1353	804	804	142	150	954	1319	0.36
N+106.8	M27	0.9D+1.0Ey+0.3Ex	Bottom	653.9491	470.0068	12.463	1.799	33.7055	1155.797	2	0.4	3	791	1387	2016	1387	142	150	954	1756	0.27
N+106.8	M28	1.4D	Top	749.7185	0.4535	0.0201	0.0085	0.0638	2.1545	6	0.4	3	791	1406	773	791	142	150	954	1309	0.00
N+106.8	M28	1.4D	Bottom	1018.1979	0.4535	0.0201	0.0085	0.0729	0.9251	6	0.4	3	791	1460	3724	1460	142	150	954	1811	0.00
N+106.8	M28	1.2D+1.6L+0.5Lr	Top	642.6152	0.4696	0.0177	0.0085	0.0626	2.2447	6	0.4	3	791	1385	752	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6L+0.5Lr	Bottom	872.7404	0.4696	0.0177	0.0085	0.0577	0.9438	6	0.4	3	791	1431	3793	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.6L+0.5G	Top	642.6152	0.4712	0.0179	0.0085	0.0635	2.2563	6	0.4	3	791	1385	751	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6L+0.5G	Bottom	872.7404	0.4712	0.0179	0.0085	0.0581	0.9429	6	0.4	3	791	1431	3855	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.6L+0.5Le	Top	642.6152	0.4721	0.018	0.0085	0.0641	2.2635	6	0.4	3	791	1385	750	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6L+0.5Le	Bottom	872.7404	0.4721	0.018	0.0085	0.0583	0.9423	6	0.4	3	791	1431	3892	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.6Lr+1.0L	Top	642.6153	0.4302	0.0164	0.0081	0.0543	2.0286	6	0.4	3	791	1385	763	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6Lr+1.0L	Bottom	872.7405	0.4302	0.0164	0.0081	0.0574	0.8923	6	0.4	3	791	1431	3394	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.6G+1.0L	Top	642.6154	0.4352	0.0171	0.0081	0.0572	2.0655	6	0.4	3	791	1385	758	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6G+1.0L	Bottom	872.7406	0.4352	0.0171	0.0081	0.0585	0.8895	6	0.4	3	791	1431	3570	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.6Le+1.0L	Top	642.6154	0.4383	0.0174	0.0081	0.0591	2.0886	6	0.4	3	791	1385	755	791	142	150	954	1309	0.00
N+106.8	M28	1.2D+1.6Le+1.0L	Bottom	872.7406	0.4383	0.0174	0.0081	0.0593	0.8877	6	0.4	3	791	1431	3688	1431	142	150	954	1789	0.00
N+106.8	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	639.9105	1201.6456	4.007	0.6214	16.6391	5201.6333	6	0.4	3	791	1385	835	835	142	150	954	1342	0.90
N+106.8	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	870.0357	1201.6456	4.007	0.6214	10.8247	2967.9492	6	0.4	3	791	1431	2103	1431	142	150	954	1789	0.67
N+106.8	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	645.3204	1200.7627	3.9713	0.6375	16.761	5205.8567	6	0.4	3	791	1386	834	834	142	150	954	1341	0.90
N+106.8	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	875.4457	1200.7627	3.9713	0.6375	10.7047	2966.1773	6	0.4	3	791	1432	2105	1432	142	150	954	1789	0.67
N+106.8	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	639.262	470.8438	12.9709	1.8084	54.1356	2040.8121	6	0.4	3	791	1384	834	834	142	150	954	1341	0.35
N+106.8	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	869.3872	470.8438	12.9709	1.8084	35.0506	1157.6809	6	0.4	3	791	1430	2124	1430	142	150	954	1788	0.26
N+106.8	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	645.9689	469.9609	12.9353	1.8245	54.2575	2045.0355	6	0.4	3	791	1386	831	831	142	150	954	1339	0.35
N+106.8	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	876.0941	469.9609	12.9353	1.8245	34.9305	1155.909	6	0.4	3	791	1432	2126	1432	142	150	954	1789	0.26
N+106.8	M28	0.9D+1.0Ex+0.3Ey	Top	479.2569	1201.4957	4.0021	0.624	16.659	5202.36	6	0.4	3	791	1352	807	807	142	150	954	1321	0.91
N+106.8	M28	0.9D+1.0Ex+0.3Ey	Bottom	651.8508	1201.4957	4.0021	0.624	10.8116	2967.6579	6	0.4	3	791	1387	1995	1387	142	150	954	1756	0.68
N+106.8	M28	0.9D+1.0Ex+0.3Ey	Top	484.6669	1200.9126	3.9762	0.6349	16.7411	5205.1301	6	0.4	3	791	1353	807	807	142	150	954	1321	0.91
N+106.8	M28	0.9D+1.0Ex+0.3Ey	Bottom	657.2608	1200.9126	3.9762	0.6349	10.7178	2966.4685	6	0.4	3	791	1388	1997	1388	142	150	954	1757	0.68
N+106.8	M28	0.9D+1.0Ey+0.3Ex	Top	478.6084	470.6939	12.966	1.811	54.1555	2041.5388	6	0.4	3	791	1352	806	806	142	150	954	1320	0.36
N+106.8	M28	0.9D+1.0Ey+0.3Ex	Bottom	651.2023	470.6939	12.966	1.811	35.0374	1157.3897	6	0.4	3	791	1387	2015	1387	142	150	954	1756	0.27
N+106.8	M28	0.9D+1.0Ey+0.3Ex	Top	485.3153	470.1108	12.9401	1.8219	54.2376	2044.3088	6	0.4	3	791	1354	805	805	142	150	954	1319	0.36
N+106.8	M28	0.9D+1.0Ey+0.3Ex	Bottom	657.9092	470.1108	12.9401	1.8219	34.9437	1156.2003	6	0.4	3	791	1388	2017	1388	142	150	954	1757	0.27
N+106.8	M29	1.4D	Top	671.1461	16.8391	0.0279	0.0105	0.1061	75.9965	4	0.4	3	791	1391	803	803	142	150	954	1318	0.01
N+106.8	M29	1.4D	Bottom	939.6255	16.8391	0.0279	0.0105	0.0834	38.3413	4	0.4	3	791	1444	2610	1444	142	150	954	1799	0.01
N+106.8	M29	1.2D+1.6L+0.5Lr	Top	575.3028	14.3459	0.0247	0.0103	0.1003	64.7083	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6L+0.5Lr	Bottom	805.428	14.3459	0.0247	0.0103	0.0672	32.7007	4	0.4	3	791	1418	2520	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.6L+0.5G	Top	575.3005	14.3447	0.0249	0.0103	0.1014	64.6986	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6L+0.5G	Bottom	805.4257	14.3447	0.0249	0.0103	0.0677	32.702	4	0.4	3	791	1418	2519	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.6L+0.5Le	Top	575.299	14.3439	0.025	0.0103	0.1021	64.6925	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6L+0.5Le	Bottom	805.4242	14.3439	0.025	0.0103	0.0679	32.7028	4	0.4	3	791	1418	2519	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.6Lr+1.0L	Top	575.3036	14.386	0.0231	0.0098	0.0906	64.9263	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6Lr+1.0L	Bottom	805.4288	14.386	0.0231	0.0098	0.0665	32.7544	4	0.4	3	791	1418	2528	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.6G+1.0L	Top	575.296	14.382	0.0238	0.0098	0.0941	64.8953	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6G+1.0L	Bottom	805.4212	14.382	0.0238	0.0098	0.0678	32.7585	4	0.4	3	791	1418	2525	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.6Le+1.0L	Top	575.2912	14.3795	0.0243	0.0098	0.0962	64.8759	4	0.4	3	791	1372	788	791	142	150	954	1309	0.01
N+106.8	M29	1.2D+1.6Le+1.0L	Bottom	805.4164	14.3795	0.0243	0.0098	0.0686	32.7611	4	0.4	3	791	1418	2523	1418	142	150	954	1779	0.01
N+106.8	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	133.5296	1255.2425	4.5101	0.8561	18.9114	5608.0843	4	0.4	3	791	1283	725	791	142	150	954	1309	0.96
N+106.8	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	363.6548	1255.2425	4.5101	0.8561	11.8856	3058.0239	4	0.4	3	791	1329	1910	1329	142	150	954	1713	0.73
N+106.8	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	1017.0434	1283.9966	4.4607	0.8758	19.1081	5478.3713	4	0.4	3	791	1460	914	914	142	150	954	1401	0.92
N+106.8	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1247.1686	1283.9966	4.4607	0.8758	11.7468	3123.5513	4	0.4	3	791	1506	2371	1506	142	150	954	1845	0.70
N+106.8	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	408.7002	487.9484	14.0507	2.147	58.9915	2267.3955	4	0.4	3	791	1338	739	791	142	150	954	1309	0.37
N+106.8	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	638.8254	487.9484	14.0507	2.147	37.4236	1180.5146	4	0.4	3	791	1384	2085	1384	142	150	954	1754	0.28
N+106.8	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	741.8727	516.7025	14.0013	2.1666	59.1882	2137.6825	4	0.4	3	791	1405	897	897	142	150	954	1389	0.37
N+106.8	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	971.9979	516.7025	14.0013	2.1666	37.2847	1246.042	4	0.4	3	791	1451	2276	1451	142	150	954	1804	0.29
N+106.8	M29	0.9D+1.0Ex+0.3Ey	Top	-10.3058	1258.7943	4.5033	0.8592	18.9415	5592.0827	4	0.4	3	791	1254	705	791	142	150	954	1309	0.96
N+106.8	M29	0.9D+1.0Ex+0.3Ey	Bottom	162.2881	1258.7943	4.5033	0.8592	11.8699	3066.1396	4	0.4	3	791	1289	1808	1289	142	150	954	1682	0.75
N+106.8	M29	0.9D+1.0Ex+0.3Ey	Top	873.208	1280.4447	4.4674	0.8727	19.078	5494.3729	4	0.4	3	791	1431	883	883	142	150	954	1378	0.93
N+106.8	M29	0.9D+1.0Ex+0.3Ey	Bottom	1045.8019	1280.4447	4.4674	0.8727	11.7626	3115.4356	4	0.4	3	791	1466	2267	1466	142	150	954	1815	0.71
N+106.8	M29	0.9D+1.0Ey+0.3Ex	Top	264.8648	491.5003	14.044	2.15	59.0216	2251.3939	4	0.4	3	791	1309	727	791	142	150	954	1309	0.38
N+106.8	M29	0.9D+1.0Ey+0.3Ex	Bottom	437.4587	491.5003	14.044	2.15	37.4078	1188.6303	4	0.4	3	791	1344	1982	1344	142	150	954	1724	0.29
N+106.8	M29	0.9D+1.0Ey+0.3Ex	Top	598.0373	513.1506	14.0081	2.1635	59.1581	2153.6841	4	0.4	3	791	1376	857	857	142	150	954	1358	0.38

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+106.8	M29	0.9D+1.0Ey+0.3Ex	Bottom	770.6312	513.1506	14.0081	2.1635	37.3005	1237.9263	4	0.4	3	791	1411	2168	1411	142	150	954	1774	0.29
N+106.8	M30	1.4D	Top	526.304	11.1321	0.0347	0.0992	0.0891	50.0878	1	0.4	3	791	1362	782	791	142	150	954	1309	0.01
N+106.8	M30	1.4D	Bottom	794.7834	11.1321	0.0347	0.0992	0.3246	25.4993	1	0.4	3	791	1415	2481	1415	142	150	954	1777	0.01
N+106.8	M30	1.2D+1.6L+0.5Lr	Top	451.2756	9.4206	0.0262	0.0815	0.0953	42.3637	1	0.4	3	791	1347	771	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6L+0.5Lr	Bottom	681.4008	9.4206	0.0262	0.0815	0.2736	21.6025	1	0.4	3	791	1393	2405	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.6L+0.5G	Top	451.2678	9.42	0.0261	0.0815	0.0963	42.3577	1	0.4	3	791	1347	771	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6L+0.5G	Bottom	681.393	9.42	0.0261	0.0815	0.2732	21.6044	1	0.4	3	791	1393	2404	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.6L+0.5Le	Top	451.2629	9.4196	0.0259	0.0815	0.0969	42.3539	1	0.4	3	791	1347	771	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6L+0.5Le	Bottom	681.3881	9.4196	0.0259	0.0815	0.273	21.6055	1	0.4	3	791	1393	2404	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.6Lr+1.0L	Top	451.2615	9.4697	0.0287	0.0826	0.0828	42.6121	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6Lr+1.0L	Bottom	681.3867	9.4697	0.0287	0.0826	0.2775	21.6869	1	0.4	3	791	1393	2414	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.6G+1.0L	Top	451.2366	9.4677	0.0281	0.0827	0.0858	42.5927	1	0.4	3	791	1347	770	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6G+1.0L	Bottom	681.3618	9.4677	0.0281	0.0827	0.2763	21.6929	1	0.4	3	791	1393	2410	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.6Le+1.0L	Top	451.221	9.4665	0.0277	0.0828	0.0877	42.5806	1	0.4	3	791	1347	771	791	142	150	954	1309	0.01
N+106.8	M30	1.2D+1.6Le+1.0L	Bottom	681.3462	9.4665	0.0277	0.0828	0.2755	21.6966	1	0.4	3	791	1393	2409	1393	142	150	954	1760	0.01
N+106.8	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	50.6506	1264.5503	13.9306	9.1779	52.1612	5466.5146	1	0.4	3	791	1267	736	791	142	150	954	1309	0.97
N+106.8	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	280.7758	1264.5503	13.9306	9.1779	42.4161	3218.1004	1	0.4	3	791	1313	1698	1313	142	150	954	1700	0.74
N+106.8	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	851.7603	1283.4807	13.9852	9.0122	52.3403	5381.3777	1	0.4	3	791	1427	903	903	142	150	954	1393	0.92
N+106.8	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1081.8855	1283.4807	13.9852	9.0122	42.9657	3261.5011	1	0.4	3	791	1473	2072	1473	142	150	954	1820	0.71
N+106.8	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	-488.1586	652.6876	26.3452	12.1874	104.7993	2946.6118	1	0.4	3	791	1159	618	791	142	150	954	1309	0.50
N+106.8	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-258.0334	652.6876	26.3452	12.1874	74.4228	1574.3282	1	0.4	3	791	1205	1628	1205	142	150	954	1619	0.40
N+106.8	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	1390.5695	671.618	26.3998	12.0217	104.9784	2861.4749	1	0.4	3	791	1535	980	980	142	150	954	1451	0.46
N+106.8	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1620.6947	671.618	26.3998	12.0217	74.9724	1617.7289	1	0.4	3	791	1581	2625	1581	142	150	954	1901	0.35
N+106.8	M30	0.9D+1.0Ex+0.3Ey	Top	-62.2166	1266.8591	13.9356	9.1588	52.1935	5456.1454	1	0.4	3	791	1244	719	791	142	150	954	1309	0.97
N+106.8	M30	0.9D+1.0Ex+0.3Ey	Bottom	110.3774	1266.8591	13.9356	9.1588	42.4822	3223.4083	1	0.4	3	791	1279	1620	1279	142	150	954	1675	0.76
N+106.8	M30	0.9D+1.0Ex+0.3Ey	Top	738.8932	1281.1719	13.9802	9.0313	52.3081	5391.7469	1	0.4	3	791	1404	879	879	142	150	954	1375	0.93
N+106.8	M30	0.9D+1.0Ex+0.3Ey	Bottom	911.4871	1281.1719	13.9802	9.0313	42.8996	3256.1931	1	0.4	3	791	1439	1993	1439	142	150	954	1795	0.71
N+106.8	M30	0.9D+1.0Ey+0.3Ex	Top	-601.0258	654.9964	26.3502	12.1683	104.8316	2936.2426	1	0.4	3	791	1136	604	791	142	150	954	1309	0.50
N+106.8	M30	0.9D+1.0Ey+0.3Ex	Bottom	-428.4319	654.9964	26.3502	12.1683	74.4889	1579.6361	1	0.4	3	791	1171	1539	1171	142	150	954	1594	0.41
N+106.8	M30	0.9D+1.0Ey+0.3Ex	Top	1277.7024	669.3091	26.3948	12.0407	104.9462	2871.8441	1	0.4	3	791	1512	953	953	142	150	954	1430	0.47
N+106.8	M30	0.9D+1.0Ey+0.3Ex	Bottom	1450.2963	669.3091	26.3948	12.0407	74.9063	1612.4209	1	0.4	3	791	1547	2534	1547	142	150	954	1876	0.36
N+100.01	M1	1.4D	Top	866.0533	6.0672	0.4041	0.2637	1.0383	8.3906	1	0.4	3	791	1430	15246	1430	142	150	954	1788	0.00
N+100.01	M1	1.4D	Bottom	1028.5644	6.0672	0.4041	0.2637	0.6226	16.5455	1	0.4	3	791	1462	1773	1462	142	150	954	1812	0.00
N+100.01	M1	1.2D+1.6L+0.5Lr	Top	742.238	5.677	0.3539	0.2297	0.8997	7.0914	1	0.4	3	791	1405	6753	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6L+0.5Lr	Bottom	881.5332	5.677	0.3539	0.2297	0.5549	16.2412	1	0.4	3	791	1433	1570	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.6L+0.5G	Top	742.2426	5.6749	0.3539	0.2297	0.8997	7.0866	1	0.4	3	791	1405	6742	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6L+0.5G	Bottom	881.5379	5.6749	0.3539	0.2297	0.5548	16.2372	1	0.4	3	791	1433	1569	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.6L+0.5Le	Top	742.2456	5.6735	0.3539	0.2297	0.8997	7.0835	1	0.4	3	791	1405	6736	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6L+0.5Le	Bottom	881.5408	5.6735	0.3539	0.2297	0.5548	16.2348	1	0.4	3	791	1433	1569	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.6Lr+1.0L	Top	742.2461	5.5107	0.3513	0.2283	0.8963	7.1573	1	0.4	3	791	1405	8477	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6Lr+1.0L	Bottom	881.5413	5.5107	0.3513	0.2283	0.5474	15.4918	1	0.4	3	791	1433	1620	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.6G+1.0L	Top	742.2609	5.5039	0.3512	0.2283	0.8962	7.1417	1	0.4	3	791	1405	8424	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6G+1.0L	Bottom	881.5562	5.5039	0.3512	0.2283	0.5471	15.4792	1	0.4	3	791	1433	1619	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.6Le+1.0L	Top	742.2703	5.4996	0.3511	0.2283	0.8961	7.132	1	0.4	3	791	1405	8392	1405	142	150	954	1769	0.00
N+100.01	M1	1.2D+1.6Le+1.0L	Bottom	881.5655	5.4996	0.3511	0.2283	0.547	15.4713	1	0.4	3	791	1433	1618	1433	142	150	954	1790	0.00
N+100.01	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	-367.0406	359.9143	37.1115	10.3178	26.6973	806.895	1	0.4	3	791	1183	1877	1183	142	150	954	1603	0.22
N+100.01	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-227.7454	359.9143	37.1115	10.3178	155.6969	2020.2291	1	0.4	3	791	1211	546	791	142	150	954	1309	0.27
N+100.01	M1	1.2D+1.0Ex+0.3Ey+1.0L	Top	1851.5997	348.9237	37.8136	10.7745	24.9053	821.1395	1	0.4	3	791	1627	2910	1627	142	150	954	1936	0.18
N+100.01	M1	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1990.895	348.9237	37.8136	10.7745	156.7905	1989.3023	1	0.4	3	791	1655	792	792	142	150	954	1310	0.27
N+100.01	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	327.7503	1058.4546	22.1998	11.4427	31.1388	2303.7694	1	0.4	3	791	1322	2529	1322	142	150	954	1707	0.62
N+100.01	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	467.0455	1058.4546	22.1998	11.4427	70.6238	6451.0176	1	0.4	3	791	1350	585	791	142	150	954	1309	0.81
N+100.01	M1	1.2D+1.0Ey+0.3Ex+1.0L	Top	1156.8088	1047.4641	22.9019	11.8994	29.3468	2318.0139	1	0.4	3	791	1488	2970	1488	142	150	954	1832	0.57
N+100.01	M1	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1296.1041	1047.4641	22.9019	11.8994	71.7174	6420.0908	1	0.4	3	791	1516	669	791	142	150	954	1309	0.80
N+100.01	M1	0.9D+1.0Ex+0.3Ey	Top	-552.5716	358.3193	37.2028	10.3767	26.4688	808.6233	1	0.4	3	791	1146	1727	1146	142	150	954	1575	0.23
N+100.01	M1	0.9D+1.0Ex+0.3Ey	Bottom	-448.1002	358.3193	37.2028	10.3767	155.8435	2015.4021	1	0.4	3	791	1167	519	791	142	150	954	1309	0.27
N+100.01	M1	0.9D+1.0Ex+0.3Ey	Top	1666.0687	350.5187	37.7224	10.7157	25.1339	819.4112	1	0.4	3	791	1590	2854	1590	142	150	954	1908	0.18
N+100.01	M1	0.9D+1.0Ex+0.3Ey	Bottom	1770.5401	350.5187	37.7224	10.7157	156.6439	1994.1293	1	0.4	3	791	1611	769	791	142	150	954	1309	0.27
N+100.01	M1	0.9D+1.0Ey+0.3Ex	Top	142.2192	1056.8597	22.291	11.5015	30.9102	2305.4977	1	0.4	3	791	1285	2382	1285	142	150	954	1679	0.63
N+100.01	M1	0.9D+1.0Ey+0.3Ex	Bottom	246.6907	1056.8597	22.291	11.5015	70.7703	6446.1906	1	0.4	3	791	1306	562	791	142	150	954	1309	0.81
N+100.01	M1	0.9D+1.0Ey+0.3Ex	Top	971.2778	1049.059	22.8106	11.8405	29.5753	2316.2856	1	0.4	3	791	1451	2863	1451	142	150	954	1804	0.58
N+100.01	M1	0.9D+1.0Ey+0.3Ex	Bottom	1075.7492	1049.059	22.8106	11.8405	71.5708	6424.9178	1	0.4	3	791	1472	646	791	142	150	954	1309	0.80

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M2	1.4D	Top	1039.3375	7.9535	0.019	0.0075	0.0046	14.5682	2	0.4	3	791	1464	5946	1464	142	150	954	1814	0.00
N+100.01	M2	1.4D	Bottom	1201.8486	7.9535	0.019	0.0075	0.0736	18.1208	2	0.4	3	791	1497	2768	1497	142	150	954	1838	0.00
N+100.01	M2	1.2D+1.6L+0.5Lr	Top	890.7732	7.2742	0.0197	0.0074	0.0046	12.3156	2	0.4	3	791	1435	9679	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6L+0.5Lr	Bottom	1030.0684	7.2742	0.0197	0.0074	0.0763	17.5812	2	0.4	3	791	1463	2295	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.6L+0.5G	Top	890.7766	7.272	0.0196	0.0074	0.0045	12.3106	2	0.4	3	791	1435	9688	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6L+0.5G	Bottom	1030.0719	7.272	0.0196	0.0074	0.0762	17.5773	2	0.4	3	791	1463	2294	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.6L+0.5Le	Top	890.7788	7.2706	0.0196	0.0074	0.0044	12.3075	2	0.4	3	791	1435	9693	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6L+0.5Le	Bottom	1030.074	7.2706	0.0196	0.0074	0.0762	17.5748	2	0.4	3	791	1463	2294	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.6Lr+1.0L	Top	890.786	7.1155	0.0187	0.0071	0.0049	12.4088	2	0.4	3	791	1435	7710	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6Lr+1.0L	Bottom	1030.0813	7.1155	0.0187	0.0071	0.0719	16.8358	2	0.4	3	791	1463	2416	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.6G+1.0L	Top	890.7971	7.1085	0.0185	0.007	0.0046	12.3928	2	0.4	3	791	1435	7726	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6G+1.0L	Bottom	1030.0923	7.1085	0.0185	0.007	0.0716	16.8231	2	0.4	3	791	1463	2414	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.6Le+1.0L	Top	890.804	7.1041	0.0184	0.007	0.0044	12.3828	2	0.4	3	791	1435	7736	1435	142	150	954	1792	0.00
N+100.01	M2	1.2D+1.6Le+1.0L	Bottom	1030.0992	7.1041	0.0184	0.007	0.0714	16.8152	2	0.4	3	791	1463	2413	1463	142	150	954	1813	0.00
N+100.01	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	747.6012	311.558	26.1707	0.3862	36.976	771.06	2	0.4	3	791	1406	2033	1406	142	150	954	1770	0.18
N+100.01	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	886.8964	311.558	26.1707	0.3862	139.3815	2007.4059	2	0.4	3	791	1434	601	791	142	150	954	1309	0.24
N+100.01	M2	1.2D+1.0Ex+0.3Ey+1.0L	Top	1034.0205	297.3585	26.2074	0.4003	36.9676	795.8057	2	0.4	3	791	1463	1842	1463	142	150	954	1813	0.16
N+100.01	M2	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1173.3157	297.3585	26.2074	0.4003	139.5239	1973.7914	2	0.4	3	791	1491	614	791	142	150	954	1309	0.23
N+100.01	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	435.1553	984.1487	9.4061	1.0463	13.5672	2516.5031	2	0.4	3	791	1344	1751	1344	142	150	954	1723	0.57
N+100.01	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	574.4505	984.1487	9.4061	1.0463	50.3119	6420.9679	2	0.4	3	791	1371	565	791	142	150	954	1309	0.75
N+100.01	M2	1.2D+1.0Ey+0.3Ex+1.0L	Top	1346.4664	969.9491	9.4429	1.0604	13.5588	2541.2488	2	0.4	3	791	1526	2056	1526	142	150	954	1860	0.52
N+100.01	M2	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1485.7617	969.9491	9.4429	1.0604	50.4544	6387.3535	2	0.4	3	791	1554	647	791	142	150	954	1309	0.74
N+100.01	M2	0.9D+1.0Ex+0.3Ey	Top	524.9359	309.5712	26.1768	0.3885	36.9748	774.0676	2	0.4	3	791	1362	1880	1362	142	150	954	1737	0.18
N+100.01	M2	0.9D+1.0Ex+0.3Ey	Bottom	629.4073	309.5712	26.1768	0.3885	139.4054	2002.2477	2	0.4	3	791	1382	575	791	142	150	954	1309	0.24
N+100.01	M2	0.9D+1.0Ex+0.3Ey	Top	811.3552	299.3453	26.2013	0.3981	36.9688	792.7981	2	0.4	3	791	1419	1787	1419	142	150	954	1780	0.17
N+100.01	M2	0.9D+1.0Ex+0.3Ey	Bottom	915.8266	299.3453	26.2013	0.3981	139.5	1978.9496	2	0.4	3	791	1440	592	791	142	150	954	1309	0.23
N+100.01	M2	0.9D+1.0Ey+0.3Ex	Top	212.49	982.1619	9.4123	1.0485	13.566	2519.5107	2	0.4	3	791	1299	1639	1299	142	150	954	1690	0.58
N+100.01	M2	0.9D+1.0Ey+0.3Ex	Bottom	316.9614	982.1619	9.4123	1.0485	50.3358	6415.8097	2	0.4	3	791	1320	540	791	142	150	954	1309	0.75
N+100.01	M2	0.9D+1.0Ey+0.3Ex	Top	1123.8011	971.9359	9.4367	1.0582	13.56	2538.2412	2	0.4	3	791	1481	1974	1481	142	150	954	1827	0.53
N+100.01	M2	0.9D+1.0Ey+0.3Ex	Bottom	1228.2725	971.9359	9.4367	1.0582	50.4304	6392.5116	2	0.4	3	791	1502	624	791	142	150	954	1309	0.74
N+100.01	M3	1.4D	Top	984.8078	9.4623	0.0063	0.0029	0.0132	45.0384	6	0.4	3	791	1453	806	806	142	150	954	1320	0.01
N+100.01	M3	1.4D	Bottom	1147.3189	9.4623	0.0063	0.0029	0.039	6.1483	6	0.4	3	791	1486	2057	1486	142	150	954	1830	0.01
N+100.01	M3	1.2D+1.6L+0.5Lr	Top	844.2378	7.6341	0.0078	0.0034	0.0104	38.7046	6	0.4	3	791	1425	737	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6L+0.5Lr	Bottom	983.533	7.6341	0.0078	0.0034	0.0426	7.3286	6	0.4	3	791	1453	3227	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.6L+0.5G	Top	844.2338	7.6363	0.0078	0.0034	0.0104	38.71	6	0.4	3	791	1425	737	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6L+0.5G	Bottom	983.529	7.6363	0.0078	0.0034	0.0425	7.3247	6	0.4	3	791	1453	3222	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.6L+0.5Le	Top	844.2313	7.6378	0.0078	0.0034	0.0105	38.7134	6	0.4	3	791	1425	737	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6L+0.5Le	Bottom	983.5266	7.6378	0.0078	0.0034	0.0425	7.3222	6	0.4	3	791	1453	3219	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.6Lr+1.0L	Top	844.2171	7.7995	0.0071	0.0031	0.0104	38.6358	6	0.4	3	791	1425	754	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6Lr+1.0L	Bottom	983.5123	7.7995	0.0071	0.0031	0.0395	6.5796	6	0.4	3	791	1453	2613	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.6G+1.0L	Top	844.2043	7.8068	0.007	0.0031	0.0106	38.653	6	0.4	3	791	1425	755	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6G+1.0L	Bottom	983.4995	7.8068	0.007	0.0031	0.0393	6.5669	6	0.4	3	791	1453	2603	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.6Le+1.0L	Top	844.1963	7.8114	0.0069	0.0031	0.0107	38.6638	6	0.4	3	791	1425	755	791	142	150	954	1309	0.01
N+100.01	M3	1.2D+1.6Le+1.0L	Bottom	983.4916	7.8114	0.0069	0.0031	0.0392	6.559	6	0.4	3	791	1453	2597	1453	142	150	954	1806	0.00
N+100.01	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	668.3595	320.3345	26.1125	0.3592	35.8106	734.9988	6	0.4	3	791	1390	2394	1390	142	150	954	1758	0.18
N+100.01	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	807.6548	320.3345	26.1125	0.3592	138.0792	2008.4642	6	0.4	3	791	1418	607	791	142	150	954	1309	0.24
N+100.01	M3	1.2D+1.0Ex+0.3Ey+1.0L	Top	1020.0172	335.9664	26.1263	0.3654	35.8323	657.6495	6	0.4	3	791	1461	4355	1461	142	150	954	1811	0.19
N+100.01	M3	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1159.3124	335.9664	26.1263	0.3654	138.1574	1995.362	6	0.4	3	791	1488	673	791	142	150	954	1309	0.26
N+100.01	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	278.1057	1045.7192	8.6136	1.0137	11.9974	2285.8483	6	0.4	3	791	1312	2463	1312	142	150	954	1700	0.62
N+100.01	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	417.4009	1045.7192	8.6136	1.0137	45.7014	6446.8553	6	0.4	3	791	1340	575	791	142	150	954	1309	0.80
N+100.01	M3	1.2D+1.0Ey+0.3Ex+1.0L	Top	1410.2711	1061.3512	8.6273	1.0199	12.019	2208.499	6	0.4	3	791	1539	3802	1539	142	150	954	1870	0.57
N+100.01	M3	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1549.5663	1061.3512	8.6273	1.0199	45.7796	6433.7532	6	0.4	3	791	1566	702	791	142	150	954	1309	0.81
N+100.01	M3	0.9D+1.0Ex+0.3Ey	Top	457.2619	322.0675	26.1154	0.3604	35.813	725.2774	6	0.4	3	791	1348	2381	1348	142	150	954	1727	0.19
N+100.01	M3	0.9D+1.0Ex+0.3Ey	Bottom	561.7333	322.0675	26.1154	0.3604	138.0932	2005.8656	6	0.4	3	791	1369	585	791	142	150	954	1309	0.25
N+100.01	M3	0.9D+1.0Ex+0.3Ey	Top	808.9195	334.2334	26.1235	0.3642	35.8299	667.3709	6	0.4	3	791	1418	3825	1418	142	150	954	1779	0.19
N+100.01	M3	0.9D+1.0Ex+0.3Ey	Bottom	913.391	334.2334	26.1235	0.3642	138.1434	1997.9606	6	0.4	3	791	1439	642	791	142	150	954	1309	0.26
N+100.01	M3	0.9D+1.0Ey+0.3Ex	Top	67.008	1047.4523	8.6164	1.0149	11.9997	2276.1269	6	0.4	3	791	1270	2355	1270	142	150	954	1668	0.63
N+100.01	M3	0.9D+1.0Ey+0.3Ex	Bottom	171.4794	1047.4523	8.6164	1.0149	45.7154	6444.2567	6	0.4	3	791	1291	550	791	142	150	954	1309	0.80
N+100.01	M3	0.9D+1.0Ey+0.3Ex	Top	1199.1734	1059.6181	8.6245	1.0186	12.0167	2218.2204	6	0.4	3	791	1496	3555	1496	142	150	954	1838	0.58
N+100.01	M3	0.9D+1.0Ey+0.3Ex	Bottom	1303.6448	1059.6181	8.6245	1.0186	45.7656	6436.3518	6	0.4	3	791	1517	675	791	142	150	954	1309	0.81
N+100.01	M4	1.4D	Top	662.3837	7.9851	0.0021	0.0004	0.0174	25.305	8	0.4	1.5	396	761	326	396	142	150	477	655	0.01

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M4	1.4D	Bottom	743.6393	7.9851	0.0021	0.0004	0.0089	7.5139	8	0.4	1.5	396	777	2878	777	142	150	477	941	0.01
N+100.01	M4	1.2D+1.6L+0.5Lr	Top	567.5527	6.7463	0.0008	0.0001	0.0145	21.6336	8	0.4	1.5	396	742	314	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6L+0.5Lr	Bottom	637.2003	6.7463	0.0008	0.0001	0.0112	6.0937	8	0.4	1.5	396	756	3391	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.6L+0.5G	Top	567.5598	6.7466	0.0008	0.0001	0.0145	21.634	8	0.4	1.5	396	742	314	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6L+0.5G	Bottom	637.2074	6.7466	0.0008	0.0001	0.0111	6.0945	8	0.4	1.5	396	756	3390	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.6L+0.5Le	Top	567.5643	6.7468	0.0008	0.0001	0.0146	21.6343	8	0.4	1.5	396	742	314	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6L+0.5Le	Bottom	637.2119	6.7468	0.0008	0.0001	0.0111	6.0949	8	0.4	1.5	396	756	3389	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.6Lr+1.0L	Top	567.5884	6.7814	0.0011	4.05E-05	0.0146	21.6521	8	0.4	1.5	396	742	315	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6Lr+1.0L	Bottom	637.236	6.7814	0.0011	4.05E-05	0.01	6.2195	8	0.4	1.5	396	756	3120	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.6G+1.0L	Top	567.6111	6.7823	0.0012	4.6E-05	0.0146	21.6536	8	0.4	1.5	396	742	315	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6G+1.0L	Bottom	637.2587	6.7823	0.0012	4.6E-05	0.0099	6.2218	8	0.4	1.5	396	756	3116	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.6Le+1.0L	Top	567.6253	6.7829	0.0012	4.95E-05	0.0147	21.6545	8	0.4	1.5	396	742	315	396	142	150	477	655	0.01
N+100.01	M4	1.2D+1.6Le+1.0L	Bottom	637.2729	6.7829	0.0012	4.95E-05	0.0098	6.2233	8	0.4	1.5	396	756	3113	756	142	150	477	925	0.01
N+100.01	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	250.9009	57.9311	12.8452	0.1784	17.6736	78.4825	8	0.4	1.5	396	678	793	678	142	150	477	867	0.07
N+100.01	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	320.5485	57.9311	12.8452	0.1784	67.9679	300.8544	8	0.4	1.5	396	692	212	396	142	150	477	655	0.09
N+100.01	M4	1.2D+1.0Ex+0.3Ey+1.0L	Top	884.378	71.4981	12.8428	0.1783	17.703	35.1717	8	0.4	1.5	396	805	2059	805	142	150	477	962	0.07
N+100.01	M4	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	954.0256	71.4981	12.8428	0.1783	67.9875	313.3041	8	0.4	1.5	396	819	275	396	142	150	477	655	0.11
N+100.01	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	-453.6376	200.8894	4.0339	0.499	5.7904	205.7388	8	0.4	1.5	396	538	992	538	142	150	477	761	0.26
N+100.01	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-383.99	200.8894	4.0339	0.499	21.5585	981.1932	8	0.4	1.5	396	551	178	396	142	150	477	655	0.31
N+100.01	M4	1.2D+1.0Ey+0.3Ex+1.0L	Top	1588.9166	214.4564	4.0315	0.4989	5.8198	162.428	8	0.4	1.5	396	946	98895	946	142	150	477	1067	0.20
N+100.01	M4	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1658.5642	214.4564	4.0315	0.4989	21.5781	993.6428	8	0.4	1.5	396	960	309	396	142	150	477	655	0.33
N+100.01	M4	0.9D+1.0Ex+0.3Ey	Top	109.0795	59.5813	12.8453	0.1786	17.6771	73.0946	8	0.4	1.5	396	650	903	650	142	150	477	845	0.07
N+100.01	M4	0.9D+1.0Ex+0.3Ey	Bottom	161.3152	59.5813	12.8453	0.1786	67.972	302.2489	8	0.4	1.5	396	661	206	396	142	150	477	655	0.09
N+100.01	M4	0.9D+1.0Ex+0.3Ey	Top	742.5566	69.8479	12.8427	0.1781	17.6995	40.5596	8	0.4	1.5	396	777	2998	777	142	150	477	940	0.07
N+100.01	M4	0.9D+1.0Ex+0.3Ey	Bottom	794.7924	69.8479	12.8427	0.1781	67.9834	311.9096	8	0.4	1.5	396	787	262	396	142	150	477	655	0.11
N+100.01	M4	0.9D+1.0Ey+0.3Ex	Top	-595.459	202.5396	4.034	0.4992	5.7939	200.3509	8	0.4	1.5	396	509	978	509	142	150	477	740	0.27
N+100.01	M4	0.9D+1.0Ey+0.3Ex	Bottom	-543.2233	202.5396	4.034	0.4992	21.5626	982.5877	8	0.4	1.5	396	520	170	396	142	150	477	655	0.31
N+100.01	M4	0.9D+1.0Ey+0.3Ex	Top	1447.0952	212.8062	4.0313	0.4987	5.8163	167.8159	8	0.4	1.5	396	918	18163	918	142	150	477	1046	0.20
N+100.01	M4	0.9D+1.0Ey+0.3Ex	Bottom	1499.3309	212.8062	4.0313	0.4987	21.574	992.2484	8	0.4	1.5	396	928	298	396	142	150	477	655	0.33
N+100.01	M5	1.4D	Top	667.8193	8.7156	0.0044	0.0053	0.0142	24.3048	8	0.4	1.5	396	762	366	396	142	150	477	655	0.01
N+100.01	M5	1.4D	Bottom	749.0748	8.7156	0.0044	0.0053	0.0039	11.5162	8	0.4	1.5	396	778	1042	778	142	150	477	941	0.01
N+100.01	M5	1.2D+1.6L+0.5Lr	Top	572.6212	7.5686	0.0032	0.005	0.0113	20.8891	8	0.4	1.5	396	743	358	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6L+0.5Lr	Bottom	642.2689	7.5686	0.0032	0.005	0.002	10.2177	8	0.4	1.5	396	757	955	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.6L+0.5G	Top	572.6141	7.5683	0.0032	0.005	0.0113	20.8886	8	0.4	1.5	396	743	358	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6L+0.5G	Bottom	642.2618	7.5683	0.0032	0.005	0.002	10.217	8	0.4	1.5	396	757	955	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.6L+0.5Le	Top	572.6097	7.5681	0.0032	0.005	0.0113	20.8884	8	0.4	1.5	396	743	358	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6L+0.5Le	Bottom	642.2573	7.5681	0.0032	0.005	0.002	10.2165	8	0.4	1.5	396	757	955	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.6Lr+1.0L	Top	572.5856	7.5335	0.0035	0.0048	0.0117	20.8705	8	0.4	1.5	396	743	357	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6Lr+1.0L	Bottom	642.2332	7.5335	0.0035	0.0048	0.0025	10.092	8	0.4	1.5	396	757	970	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.6G+1.0L	Top	572.5629	7.5325	0.0034	0.0048	0.0117	20.8691	8	0.4	1.5	396	743	357	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6G+1.0L	Bottom	642.2105	7.5325	0.0034	0.0048	0.0025	10.0896	8	0.4	1.5	396	757	970	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.6Le+1.0L	Top	572.5487	7.532	0.0034	0.0048	0.0117	20.8682	8	0.4	1.5	396	743	357	396	142	150	477	655	0.01
N+100.01	M5	1.2D+1.6Le+1.0L	Bottom	642.1963	7.532	0.0034	0.0048	0.0025	10.0881	8	0.4	1.5	396	757	970	757	142	150	477	925	0.01
N+100.01	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	255.7756	72.2448	12.846	0.1789	17.6713	35.9628	8	0.4	1.5	396	679	1511	679	142	150	477	867	0.08
N+100.01	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	325.4232	72.2448	12.846	0.1789	67.961	317.165	8	0.4	1.5	396	693	234	396	142	150	477	655	0.11
N+100.01	M5	1.2D+1.0Ex+0.3Ey+1.0L	Top	889.2934	57.182	12.8392	0.1885	17.6946	77.6974	8	0.4	1.5	396	806	1040	806	142	150	477	962	0.06
N+100.01	M5	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	958.941	57.182	12.8392	0.1885	67.9561	296.9917	8	0.4	1.5	396	820	247	396	142	150	477	655	0.09
N+100.01	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	-448.7487	215.204	4.0678	0.4958	5.7271	163.2169	8	0.4	1.5	396	539	28749	539	142	150	477	762	0.28
N+100.01	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-379.101	215.204	4.0678	0.4958	21.6554	997.5044	8	0.4	1.5	396	552	183	396	142	150	477	655	0.33
N+100.01	M5	1.2D+1.0Ey+0.3Ex+1.0L	Top	1593.8176	200.1412	4.0609	0.5054	5.7503	204.9516	8	0.4	1.5	396	947	2786	947	142	150	477	1068	0.19
N+100.01	M5	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1663.4652	200.1412	4.0609	0.5054	21.6505	977.3311	8	0.4	1.5	396	961	297	396	142	150	477	655	0.31
N+100.01	M5	0.9D+1.0Ex+0.3Ey	Top	112.5535	70.3163	12.8454	0.1803	17.6738	41.2056	8	0.4	1.5	396	651	2177	651	142	150	477	846	0.08
N+100.01	M5	0.9D+1.0Ex+0.3Ey	Bottom	164.7892	70.3163	12.8454	0.1803	67.961	314.4816	8	0.4	1.5	396	661	221	396	142	150	477	655	0.11
N+100.01	M5	0.9D+1.0Ex+0.3Ey	Top	746.0713	59.1106	12.8398	0.1871	17.6921	72.4546	8	0.4	1.5	396	777	1226	777	142	150	477	941	0.06
N+100.01	M5	0.9D+1.0Ex+0.3Ey	Bottom	798.307	59.1106	12.8398	0.1871	67.9561	299.6751	8	0.4	1.5	396	788	241	396	142	150	477	655	0.09
N+100.01	M5	0.9D+1.0Ey+0.3Ex	Top	-591.9708	213.2754	4.0672	0.4972	5.7296	168.4597	8	0.4	1.5	396	510	5307	510	142	150	477	740	0.29
N+100.01	M5	0.9D+1.0Ey+0.3Ex	Bottom	-539.7351	213.2754	4.0672	0.4972	21.6554	994.821	8	0.4	1.5	396	520	172	396	142	150	477	655	0.33
N+100.01	M5	0.9D+1.0Ey+0.3Ex	Top	1450.5955	202.0697	4.0615	0.5039	5.7478	199.7088	8	0.4	1.5	396	918	3042	918	142	150	477	1047	0.19
N+100.01	M5	0.9D+1.0Ey+0.3Ex	Bottom	1502.8312	202.0697	4.0615	0.5039	21.6505	980.0145	8	0.4	1.5	396	929	289	396	142	150	477	655	0.31
N+100.01	M6	1.4D	Top	981.8004	13.3724	0.004	0.0072	0.007	34.194	6	0.4	3	791	1453	1999	1453	142	150	954	1805	0.01
N+100.01	M6	1.4D	Bottom	1144.3115	13.3724	0.004	0.0072	0.0094	20.7665	6	0.4	3	791	1485	36982	1485	142	150	954	1830	0.01

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M6	1.2D+1.6L+0.5Lr	Top	841.4264	11.9385	0.0029	0.0072	0.0044	29.2089	6	0.4	3	791	1425	2134	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6L+0.5Lr	Bottom	980.7216	11.9385	0.0029	0.0072	0.0073	19.8585	6	0.4	3	791	1453	11658	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.6L+0.5G	Top	841.4304	11.9363	0.0028	0.0072	0.0044	29.2035	6	0.4	3	791	1425	2134	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6L+0.5G	Bottom	980.7256	11.9363	0.0028	0.0072	0.0073	19.8546	6	0.4	3	791	1453	11659	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.6L+0.5Le	Top	841.4329	11.9348	0.0028	0.0072	0.0044	29.2001	6	0.4	3	791	1425	2134	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6L+0.5Le	Bottom	980.7281	11.9348	0.0028	0.0072	0.0073	19.8521	6	0.4	3	791	1453	11659	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.6Lr+1.0L	Top	841.4471	11.7731	0.0031	0.0068	0.0052	29.2778	6	0.4	3	791	1425	2057	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6Lr+1.0L	Bottom	980.7424	11.7731	0.0031	0.0068	0.0077	19.1095	6	0.4	3	791	1453	15392	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.6G+1.0L	Top	841.4599	11.7658	0.0031	0.0068	0.0051	29.2605	6	0.4	3	791	1425	2057	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6G+1.0L	Bottom	980.7551	11.7658	0.0031	0.0068	0.0076	19.0968	6	0.4	3	791	1453	15401	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.6Le+1.0L	Top	841.4678	11.7612	0.0031	0.0068	0.005	29.2497	6	0.4	3	791	1425	2056	1425	142	150	954	1784	0.01
N+100.01	M6	1.2D+1.6Le+1.0L	Bottom	980.7631	11.7612	0.0031	0.0068	0.0076	19.0889	6	0.4	3	791	1453	15406	1453	142	150	954	1805	0.01
N+100.01	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	664.7717	339.9541	26.0979	0.3788	35.8475	666.8149	6	0.4	3	791	1389	3949	1389	142	150	954	1758	0.19
N+100.01	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	804.0669	339.9541	26.0979	0.3788	138.0065	2021.0061	6	0.4	3	791	1417	634	791	142	150	954	1309	0.26
N+100.01	M6	1.2D+1.0Ex+0.3Ey+1.0L	Top	1018.1799	316.4408	26.0918	0.3924	35.8574	725.2927	6	0.4	3	791	1460	2612	1460	142	150	954	1811	0.17
N+100.01	M6	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1157.4751	316.4408	26.0918	0.3924	137.9914	1982.8442	6	0.4	3	791	1488	642	791	142	150	954	1309	0.24
N+100.01	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	275.1393	1065.3055	8.6882	1.017	11.8789	2217.8555	6	0.4	3	791	1312	2859	1312	142	150	954	1699	0.63
N+100.01	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	414.4345	1065.3055	8.6882	1.017	45.9049	6459.3887	6	0.4	3	791	1339	582	791	142	150	954	1309	0.81
N+100.01	M6	1.2D+1.0Ey+0.3Ex+1.0L	Top	1407.8123	1041.7922	8.6821	1.0305	11.8888	2276.3333	6	0.4	3	791	1538	3257	1538	142	150	954	1869	0.56
N+100.01	M6	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1547.1075	1041.7922	8.6821	1.0305	45.8897	6421.2268	6	0.4	3	791	1566	691	791	142	150	954	1309	0.80
N+100.01	M6	0.9D+1.0Ex+0.3Ey	Top	454.4533	336.794	26.0974	0.3809	35.848	674.0719	6	0.4	3	791	1347	3452	1347	142	150	954	1726	0.20
N+100.01	M6	0.9D+1.0Ex+0.3Ey	Bottom	558.9247	336.794	26.0974	0.3809	138.005	2015.2751	6	0.4	3	791	1368	604	791	142	150	954	1309	0.26
N+100.01	M6	0.9D+1.0Ex+0.3Ey	Top	807.8615	319.6009	26.0923	0.3902	35.857	718.0356	6	0.4	3	791	1418	2622	1418	142	150	954	1779	0.18
N+100.01	M6	0.9D+1.0Ex+0.3Ey	Bottom	912.3329	319.6009	26.0923	0.3902	137.9929	1988.5753	6	0.4	3	791	1439	621	791	142	150	954	1309	0.24
N+100.01	M6	0.9D+1.0Ey+0.3Ex	Top	64.8209	1062.1454	8.6877	1.0191	11.8794	2225.1126	6	0.4	3	791	1269	2632	1269	142	150	954	1668	0.64
N+100.01	M6	0.9D+1.0Ey+0.3Ex	Bottom	169.2923	1062.1454	8.6877	1.0191	45.9033	6453.6577	6	0.4	3	791	1290	556	791	142	150	954	1309	0.81
N+100.01	M6	0.9D+1.0Ey+0.3Ex	Top	1197.4939	1044.9523	8.6826	1.0284	11.8884	2269.0763	6	0.4	3	791	1496	3168	1496	142	150	954	1838	0.57
N+100.01	M6	0.9D+1.0Ey+0.3Ex	Bottom	1301.9653	1044.9523	8.6826	1.0284	45.8913	6426.9579	6	0.4	3	791	1517	667	791	142	150	954	1309	0.80
N+100.01	M7	1.4D	Top	1041.8022	4.4008	0.0011	0.0027	0.0181	26.7236	2	0.4	3	791	1465	647	791	142	150	954	1309	0.00
N+100.01	M7	1.4D	Bottom	1204.3133	4.4008	0.0011	0.0027	0.0228	8.6362	2	0.4	3	791	1497	4502	1497	142	150	954	1839	0.00
N+100.01	M7	1.2D+1.6L+0.5Lr	Top	893.0608	3.3152	0.0014	0.0033	0.0174	23.0772	2	0.4	3	791	1435	567	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6L+0.5Lr	Bottom	1032.356	3.3152	0.0014	0.0033	0.023	9.4517	2	0.4	3	791	1463	1633	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.6L+0.5G	Top	893.0574	3.3174	0.0013	0.0033	0.0175	23.0822	2	0.4	3	791	1435	567	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6L+0.5G	Bottom	1032.3526	3.3174	0.0013	0.0033	0.0229	9.4477	2	0.4	3	791	1463	1636	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.6L+0.5Le	Top	893.0552	3.3188	0.0013	0.0033	0.0175	23.0854	2	0.4	3	791	1435	567	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6L+0.5Le	Bottom	1032.3504	3.3188	0.0013	0.0033	0.0229	9.4452	2	0.4	3	791	1463	1638	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.6Lr+1.0L	Top	893.048	3.4739	0.0014	0.0029	0.0162	22.9841	2	0.4	3	791	1435	589	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6Lr+1.0L	Bottom	1032.3432	3.4739	0.0014	0.0029	0.022	8.7062	2	0.4	3	791	1463	2113	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.6G+1.0L	Top	893.0369	3.4809	0.0013	0.0029	0.0165	23	2	0.4	3	791	1435	590	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6G+1.0L	Bottom	1032.3322	3.4809	0.0013	0.0029	0.0218	8.6935	2	0.4	3	791	1463	2129	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.6Le+1.0L	Top	893.0301	3.4853	0.0012	0.0029	0.0166	23.01	2	0.4	3	791	1435	590	791	142	150	954	1309	0.00
N+100.01	M7	1.2D+1.6Le+1.0L	Bottom	1032.3253	3.4853	0.0012	0.0029	0.0217	8.6856	2	0.4	3	791	1463	2139	1463	142	150	954	1813	0.00
N+100.01	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	750.7899	300.9034	26.1183	0.3792	37.0956	806.9783	2	0.4	3	791	1407	1719	1407	142	150	954	1771	0.17
N+100.01	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	890.0852	300.9034	26.1183	0.3792	139.1745	1999.4934	2	0.4	3	791	1435	587	791	142	150	954	1309	0.23
N+100.01	M7	1.2D+1.0Ex+0.3Ey+1.0L	Top	1035.2564	307.8826	26.1159	0.385	37.062	760.9383	2	0.4	3	791	1464	2181	1464	142	150	954	1813	0.17
N+100.01	M7	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1174.5516	307.8826	26.1159	0.385	139.1312	1982.1381	2	0.4	3	791	1491	630	791	142	150	954	1309	0.24
N+100.01	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	437.6972	973.5418	9.4773	1.0472	13.4764	2552.0428	2	0.4	3	791	1344	1665	1344	142	150	954	1724	0.56
N+100.01	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	576.9924	973.5418	9.4773	1.0472	50.511	6412.9021	2	0.4	3	791	1372	562	791	142	150	954	1309	0.74
N+100.01	M7	1.2D+1.0Ey+0.3Ex+1.0L	Top	1348.3491	980.5211	9.475	1.053	13.4428	2506.0028	2	0.4	3	791	1526	2168	1526	142	150	954	1860	0.53
N+100.01	M7	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1487.6444	980.5211	9.475	1.053	50.4678	6395.5468	2	0.4	3	791	1554	653	791	142	150	954	1309	0.75
N+100.01	M7	0.9D+1.0Ex+0.3Ey	Top	527.4968	301.5639	26.1178	0.3804	37.0904	801.1377	2	0.4	3	791	1362	1659	1362	142	150	954	1737	0.17
N+100.01	M7	0.9D+1.0Ex+0.3Ey	Bottom	631.9682	301.5639	26.1178	0.3804	139.1675	1996.3676	2	0.4	3	791	1383	565	791	142	150	954	1309	0.23
N+100.01	M7	0.9D+1.0Ex+0.3Ey	Top	811.9632	307.2221	26.1163	0.3839	37.0671	766.7788	2	0.4	3	791	1419	2026	1419	142	150	954	1780	0.17
N+100.01	M7	0.9D+1.0Ex+0.3Ey	Bottom	916.4347	307.2221	26.1163	0.3839	139.1382	1985.2638	2	0.4	3	791	1440	603	791	142	150	954	1309	0.23
N+100.01	M7	0.9D+1.0Ey+0.3Ex	Top	214.404	974.2023	9.4769	1.0483	13.4712	2546.2022	2	0.4	3	791	1299	1579	1299	142	150	954	1690	0.58
N+100.01	M7	0.9D+1.0Ey+0.3Ex	Bottom	318.8755	974.2023	9.4769	1.0483	50.5041	6409.7763	2	0.4	3	791	1320	538	791	142	150	954	1309	0.74
N+100.01	M7	0.9D+1.0Ey+0.3Ex	Top	1125.056	979.8605	9.4754	1.0518	13.4479	2511.8434	2	0.4	3	791	1482	2053	1482	142	150	954	1827	0.54
N+100.01	M7	0.9D+1.0Ey+0.3Ex	Bottom	1229.5274	979.8605	9.4754	1.0518	50.4747	6398.6726	2	0.4	3	791	1502	628	791	142	150	954	1309	0.75
N+100.01	M8	1.4D	Top	867.177	2.1249	0.3292	0.2139	0.9288	19.2003	1	0.4	3	791	1430	473	791	142	150	954	1309	0.00
N+100.01	M8	1.4D	Bottom	1029.6881	2.1249	0.3292	0.2139	0.4243	10.4668	1	0.4	3	791	1462	784	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6L+0.5Lr	Top	743.361	1.3469	0.2781	0.1799	0.79	16.5651	1	0.4	3	791	1405	395	791	142	150	954	1309	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M8	1.2D+1.6L+0.5Lr	Bottom	882.6562	1.3469	0.2781	0.1799	0.3529	11.0294	1	0.4	3	791	1433	505	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6L+0.5G	Top	743.3597	1.3491	0.2781	0.1799	0.79	16.5704	1	0.4	3	791	1405	395	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6L+0.5G	Bottom	882.6549	1.3491	0.2781	0.1799	0.353	11.0254	1	0.4	3	791	1433	505	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6L+0.5Le	Top	743.3589	1.3505	0.2781	0.1799	0.7901	16.5736	1	0.4	3	791	1405	395	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6L+0.5Le	Bottom	882.6541	1.3505	0.2781	0.1799	0.353	11.023	1	0.4	3	791	1433	506	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6Lr+1.0L	Top	743.3436	1.5118	0.2795	0.1812	0.792	16.4943	1	0.4	3	791	1405	419	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6Lr+1.0L	Bottom	882.6389	1.5118	0.2795	0.1812	0.3567	10.2806	1	0.4	3	791	1433	576	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6G+1.0L	Top	743.3395	1.519	0.2796	0.1812	0.7921	16.5111	1	0.4	3	791	1405	420	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6G+1.0L	Bottom	882.6347	1.519	0.2796	0.1812	0.3569	10.268	1	0.4	3	791	1433	579	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6Le+1.0L	Top	743.3368	1.5235	0.2796	0.1812	0.7922	16.5216	1	0.4	3	791	1405	420	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.6Le+1.0L	Bottom	882.6321	1.5235	0.2796	0.1812	0.3569	10.26	1	0.4	3	791	1433	580	791	142	150	954	1309	0.00
N+100.01	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	-362.0328	356.1558	37.0798	10.6926	26.9119	823.7275	1	0.4	3	791	1184	1737	1184	142	150	954	1604	0.22
N+100.01	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-222.7376	356.1558	37.0798	10.6926	155.4628	2026.6828	1	0.4	3	791	1212	540	791	142	150	954	1309	0.27
N+100.01	M8	1.2D+1.0Ex+0.3Ey+1.0L	Top	1848.7013	359.2117	37.6391	10.3301	25.3271	790.6634	1	0.4	3	791	1626	3490	1626	142	150	954	1935	0.19
N+100.01	M8	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1987.9965	359.2117	37.6391	10.3301	156.1768	2006.1786	1	0.4	3	791	1654	808	808	142	150	954	1322	0.27
N+100.01	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	332.422	1052.5508	22.3369	11.8459	31.3033	2324.814	1	0.4	3	791	1323	2428	1323	142	150	954	1708	0.62
N+100.01	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	471.7172	1052.5508	22.3369	11.8459	70.9102	6449.3669	1	0.4	3	791	1351	583	791	142	150	954	1309	0.80
N+100.01	M8	1.2D+1.0Ey+0.3Ex+1.0L	Top	1154.2465	1055.6067	22.8962	11.4835	29.7186	2291.7499	1	0.4	3	791	1487	3139	1487	142	150	954	1831	0.58
N+100.01	M8	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1293.5417	1055.6067	22.8962	11.4835	71.6243	6428.8626	1	0.4	3	791	1515	672	791	142	150	954	1309	0.81
N+100.01	M8	0.9D+1.0Ex+0.3Ey	Top	-547.8962	356.3177	37.1478	10.6488	26.7166	819.5385	1	0.4	3	791	1147	1649	1147	142	150	954	1576	0.23
N+100.01	M8	0.9D+1.0Ex+0.3Ey	Bottom	-443.4247	356.3177	37.1478	10.6488	155.547	2023.1594	1	0.4	3	791	1168	516	791	142	150	954	1309	0.27
N+100.01	M8	0.9D+1.0Ex+0.3Ey	Top	1662.838	359.0498	37.5711	10.3739	25.5224	794.8524	1	0.4	3	791	1589	3307	1589	142	150	954	1907	0.19
N+100.01	M8	0.9D+1.0Ex+0.3Ey	Bottom	1767.3094	359.0498	37.5711	10.3739	156.0926	2009.7021	1	0.4	3	791	1610	780	791	142	150	954	1309	0.27
N+100.01	M8	0.9D+1.0Ey+0.3Ex	Top	146.5586	1052.7127	22.4049	11.8022	31.108	2320.625	1	0.4	3	791	1286	2315	1286	142	150	954	1680	0.63
N+100.01	M8	0.9D+1.0Ey+0.3Ex	Bottom	251.0301	1052.7127	22.4049	11.8022	70.9945	6445.8434	1	0.4	3	791	1307	561	791	142	150	954	1309	0.80
N+100.01	M8	0.9D+1.0Ey+0.3Ex	Top	968.3832	1055.4448	22.8282	11.5272	29.9138	2295.9389	1	0.4	3	791	1450	2988	1450	142	150	954	1803	0.59
N+100.01	M8	0.9D+1.0Ey+0.3Ex	Bottom	1072.8546	1055.4448	22.8282	11.5272	71.5401	6432.3861	1	0.4	3	791	1471	649	791	142	150	954	1309	0.81
N+100.01	M9	1.4D	Top	863.4496	4.3925	0.4289	0.2632	0.9447	12.8782	1	0.4	3	791	1429	1497	1429	142	150	954	1788	0.00
N+100.01	M9	1.4D	Bottom	1025.9607	4.3925	0.4289	0.2632	0.8181	5.1751	1	0.4	3	791	1462	5636	1462	142	150	954	1812	0.00
N+100.01	M9	1.2D+1.6L+0.5Lr	Top	739.8849	3.8286	0.3845	0.2291	0.8226	10.9493	1	0.4	3	791	1404	1521	1404	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6L+0.5Lr	Bottom	879.1801	3.8286	0.3845	0.2291	0.7576	4.7864	1	0.4	3	791	1432	7045	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.6L+0.5G	Top	739.8927	3.8282	0.3843	0.2291	0.8222	10.9484	1	0.4	3	791	1404	1520	1404	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6L+0.5G	Bottom	879.188	3.8282	0.3843	0.2291	0.7573	4.7854	1	0.4	3	791	1432	7041	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.6L+0.5Le	Top	739.8977	3.8279	0.3842	0.2291	0.822	10.9478	1	0.4	3	791	1404	1520	1404	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6L+0.5Le	Bottom	879.1929	3.8279	0.3842	0.2291	0.7572	4.7848	1	0.4	3	791	1432	7039	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.6Lr+1.0L	Top	739.9198	3.8074	0.379	0.2278	0.8197	10.9881	1	0.4	3	791	1405	1496	1405	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6Lr+1.0L	Bottom	879.2151	3.8074	0.379	0.2278	0.7379	4.6604	1	0.4	3	791	1432	6356	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.6G+1.0L	Top	739.945	3.806	0.3785	0.2278	0.8186	10.9851	1	0.4	3	791	1405	1496	1405	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6G+1.0L	Bottom	879.2402	3.806	0.3785	0.2278	0.7371	4.6574	1	0.4	3	791	1432	6348	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.6Le+1.0L	Top	739.9607	3.8051	0.3782	0.2278	0.8179	10.9833	1	0.4	3	791	1405	1496	1405	142	150	954	1769	0.00
N+100.01	M9	1.2D+1.6Le+1.0L	Bottom	879.256	3.8051	0.3782	0.2278	0.7366	4.6555	1	0.4	3	791	1432	6343	1432	142	150	954	1790	0.00
N+100.01	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	382.7999	999.0594	20.5312	9.9674	28.685	2258.2113	1	0.4	3	791	1333	2311	1333	142	150	954	1715	0.58
N+100.01	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	522.0951	999.0594	20.5312	9.9674	61.445	6224.8604	1	0.4	3	791	1361	581	791	142	150	954	1309	0.76
N+100.01	M9	1.2D+1.0Ex+0.3Ey+1.0L	Top	1097.1531	1006.6676	19.7753	10.423	30.3195	2236.2484	1	0.4	3	791	1476	2898	1476	142	150	954	1823	0.55
N+100.01	M9	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1236.4483	1006.6676	19.7753	10.423	59.9729	6234.1675	1	0.4	3	791	1504	657	791	142	150	954	1309	0.77
N+100.01	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	-363.5148	425.8308	39.753	11.7605	24.0197	789.9041	1	0.4	3	791	1184	3674	1184	142	150	954	1604	0.27
N+100.01	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-224.2196	425.8308	39.753	11.7605	162.2327	2470.5823	1	0.4	3	791	1212	532	791	142	150	954	1309	0.33
N+100.01	M9	1.2D+1.0Ey+0.3Ex+1.0L	Top	1843.4678	433.4391	38.9971	12.2161	25.6543	767.9413	1	0.4	3	791	1625	8627	1625	142	150	954	1935	0.22
N+100.01	M9	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1982.763	433.4391	38.9971	12.2161	160.7605	2479.8894	1	0.4	3	791	1653	789	791	142	150	954	1309	0.33
N+100.01	M9	0.9D+1.0Ex+0.3Ey	Top	197.8981	1000.0397	20.429	10.026	28.895	2255.5087	1	0.4	3	791	1296	2207	1296	142	150	954	1688	0.59
N+100.01	M9	0.9D+1.0Ex+0.3Ey	Bottom	302.3695	1000.0397	20.429	10.026	61.2349	6226.1871	1	0.4	3	791	1317	559	791	142	150	954	1309	0.76
N+100.01	M9	0.9D+1.0Ex+0.3Ey	Top	912.2513	1005.6873	19.8775	10.3644	30.1095	2238.951	1	0.4	3	791	1439	2758	1439	142	150	954	1795	0.56
N+100.01	M9	0.9D+1.0Ex+0.3Ey	Bottom	1016.7228	1005.6873	19.8775	10.3644	60.1831	6232.8408	1	0.4	3	791	1460	634	791	142	150	954	1309	0.77
N+100.01	M9	0.9D+1.0Ey+0.3Ex	Top	-548.4166	426.8112	39.6507	11.8191	24.2297	787.2015	1	0.4	3	791	1147	3522	1147	142	150	954	1576	0.27
N+100.01	M9	0.9D+1.0Ey+0.3Ex	Bottom	-443.9452	426.8112	39.6507	11.8191	162.0225	2471.909	1	0.4	3	791	1168	508	791	142	150	954	1309	0.33
N+100.01	M9	0.9D+1.0Ey+0.3Ex	Top	1658.566	432.4587	39.0993	12.1575	25.4443	770.6439	1	0.4	3	791	1588	8006	1588	142	150	954	1907	0.23
N+100.01	M9	0.9D+1.0Ey+0.3Ex	Bottom	1763.0374	432.4587	39.0993	12.1575	160.9707	2478.5627	1	0.4	3	791	1609	763	791	142	150	954	1309	0.33
N+100.01	M10	1.4D	Top	1043.2917	6.1626	0.0488	0.0073	0.0753	18.5017	5	0.4	3	791	1465	1495	1465	142	150	954	1815	0.00
N+100.01	M10	1.4D	Bottom	1205.8028	6.1626	0.0488	0.0073	0.2759	6.8264	5	0.4	3	791	1498	4802	1498	142	150	954	1839	0.00
N+100.01	M10	1.2D+1.6L+0.5Lr	Top	894.2223	5.3291	0.0548	0.0072	0.0601	15.7116	5	0.4	3	791	1435	1493	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6L+0.5Lr	Bottom	1033.5176	5.3291	0.0548	0.0072	0.2853	6.1909	5	0.4	3	791	1463	5361	1463	142	150	954	1813	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M10	1.2D+1.6L+0.5G	Top	894.2232	5.3283	0.0546	0.0072	0.0606	15.7095	5	0.4	3	791	1435	1493	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6L+0.5G	Bottom	1033.5184	5.3283	0.0546	0.0072	0.285	6.1899	5	0.4	3	791	1463	5361	1463	142	150	954	1813	0.00
N+100.01	M10	1.2D+1.6L+0.5Le	Top	894.2238	5.3278	0.0545	0.0072	0.0608	15.7082	5	0.4	3	791	1435	1493	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6L+0.5Le	Bottom	1033.519	5.3278	0.0545	0.0072	0.2848	6.1892	5	0.4	3	791	1463	5360	1463	142	150	954	1813	0.00
N+100.01	M10	1.2D+1.6Lr+1.0L	Top	894.2277	5.3159	0.0509	0.0069	0.0595	15.7789	5	0.4	3	791	1435	1476	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6Lr+1.0L	Bottom	1033.5229	5.3159	0.0509	0.0069	0.2686	6.0696	5	0.4	3	791	1463	5050	1463	142	150	954	1813	0.00
N+100.01	M10	1.2D+1.6G+1.0L	Top	894.2305	5.3135	0.0504	0.0069	0.0608	15.7722	5	0.4	3	791	1435	1476	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6G+1.0L	Bottom	1033.5257	5.3135	0.0504	0.0069	0.2677	6.0662	5	0.4	3	791	1463	5048	1463	142	150	954	1813	0.00
N+100.01	M10	1.2D+1.6Le+1.0L	Top	894.2322	5.3119	0.05	0.0069	0.0616	15.768	5	0.4	3	791	1435	1476	1435	142	150	954	1792	0.00
N+100.01	M10	1.2D+1.6Le+1.0L	Bottom	1033.5274	5.3119	0.05	0.0069	0.2671	6.0641	5	0.4	3	791	1463	5047	1463	142	150	954	1813	0.00
N+100.01	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	411.7203	925.7125	8.3326	0.5159	11.5209	2524.4551	5	0.4	3	791	1339	1532	1339	142	150	954	1720	0.54
N+100.01	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	551.0155	925.7125	8.3326	0.5159	44.0491	6190.1671	5	0.4	3	791	1367	553	791	142	150	954	1309	0.71
N+100.01	M10	1.2D+1.0Ex+0.3Ey+1.0L	Top	1376.7476	936.3333	8.2333	0.5296	11.3962	2492.9276	5	0.4	3	791	1532	2002	1532	142	150	954	1865	0.50
N+100.01	M10	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1516.0428	936.3333	8.2333	0.5296	43.516	6202.2912	5	0.4	3	791	1560	647	791	142	150	954	1309	0.72
N+100.01	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	711.2887	362.9481	26.754	1.1607	37.0035	989.2094	5	0.4	3	791	1399	1651	1399	142	150	954	1765	0.21
N+100.01	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	850.584	362.9481	26.754	1.1607	141.6021	2427.9052	5	0.4	3	791	1427	580	791	142	150	954	1309	0.28
N+100.01	M10	1.2D+1.0Ey+0.3Ex+1.0L	Top	1077.1792	373.569	26.6546	1.1744	36.8787	957.6818	5	0.4	3	791	1472	2031	1472	142	150	954	1820	0.21
N+100.01	M10	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1216.4744	373.569	26.6546	1.1744	141.069	2440.0293	5	0.4	3	791	1500	626	791	142	150	954	1309	0.29
N+100.01	M10	0.9D+1.0Ex+0.3Ey	Top	188.1739	927.0613	8.3143	0.518	11.507	2520.5853	5	0.4	3	791	1294	1452	1294	142	150	954	1686	0.55
N+100.01	M10	0.9D+1.0Ex+0.3Ey	Bottom	292.6453	927.0613	8.3143	0.518	43.9599	6191.8408	5	0.4	3	791	1315	529	791	142	150	954	1309	0.71
N+100.01	M10	0.9D+1.0Ex+0.3Ey	Top	1153.2012	934.9846	8.2516	0.5275	11.4101	2496.7974	5	0.4	3	791	1487	1898	1487	142	150	954	1831	0.51
N+100.01	M10	0.9D+1.0Ex+0.3Ey	Bottom	1257.6726	934.9846	8.2516	0.5275	43.6052	6200.6176	5	0.4	3	791	1508	622	791	142	150	954	1309	0.71
N+100.01	M10	0.9D+1.0Ey+0.3Ex	Top	487.7423	364.2969	26.7357	1.1628	36.9895	985.3396	5	0.4	3	791	1354	1586	1354	142	150	954	1731	0.21
N+100.01	M10	0.9D+1.0Ey+0.3Ex	Bottom	592.2137	364.2969	26.7357	1.1628	141.5129	2429.5788	5	0.4	3	791	1375	558	791	142	150	954	1309	0.28
N+100.01	M10	0.9D+1.0Ey+0.3Ex	Top	853.6327	372.2202	26.6729	1.1722	36.8926	961.5517	5	0.4	3	791	1427	1900	1427	142	150	954	1786	0.21
N+100.01	M10	0.9D+1.0Ey+0.3Ex	Bottom	958.1042	372.2202	26.6729	1.1722	141.1582	2438.3556	5	0.4	3	791	1448	600	791	142	150	954	1309	0.28
N+100.01	M11	1.4D	Top	1136.4291	0.3038	0.0342	0.0053	0.0977	0.9099	7	0.4	3	791	1484	1531	1484	142	150	954	1829	0.00
N+100.01	M11	1.4D	Bottom	1298.9402	0.3038	0.0342	0.0053	0.2383	2.1585	7	0.4	3	791	1516	593	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6L+0.5Lr	Top	974.0828	0.307	0.0414	0.0054	0.079	0.9274	7	0.4	3	791	1451	1458	1451	142	150	954	1804	0.00
N+100.01	M11	1.2D+1.6L+0.5Lr	Bottom	1113.3781	0.307	0.0414	0.0054	0.249	2.1892	7	0.4	3	791	1479	576	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6L+0.5G	Top	974.0828	0.3062	0.0412	0.0054	0.0793	0.9297	7	0.4	3	791	1451	1446	1446	142	150	954	1800	0.00
N+100.01	M11	1.2D+1.6L+0.5G	Bottom	1113.378	0.3062	0.0412	0.0054	0.2487	2.1882	7	0.4	3	791	1479	575	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6L+0.5Le	Top	974.0828	0.3057	0.0411	0.0054	0.0796	0.9311	7	0.4	3	791	1451	1438	1438	142	150	954	1794	0.00
N+100.01	M11	1.2D+1.6L+0.5Le	Bottom	1113.378	0.3057	0.0411	0.0054	0.2486	2.1875	7	0.4	3	791	1479	574	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6Lr+1.0L	Top	974.0827	0.2941	0.0377	0.0051	0.0787	0.8592	7	0.4	3	791	1451	1544	1451	142	150	954	1804	0.00
N+100.01	M11	1.2D+1.6Lr+1.0L	Bottom	1113.3779	0.2941	0.0377	0.0051	0.2336	2.0681	7	0.4	3	791	1479	582	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6G+1.0L	Top	974.0826	0.2916	0.0372	0.0051	0.0798	0.8663	7	0.4	3	791	1451	1500	1451	142	150	954	1804	0.00
N+100.01	M11	1.2D+1.6G+1.0L	Bottom	1113.3779	0.2916	0.0372	0.0051	0.2328	2.0648	7	0.4	3	791	1479	579	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.6Le+1.0L	Top	974.0826	0.29	0.0369	0.0051	0.0806	0.8708	7	0.4	3	791	1451	1473	1451	142	150	954	1804	0.00
N+100.01	M11	1.2D+1.6Le+1.0L	Bottom	1113.3778	0.29	0.0369	0.0051	0.2324	2.0627	7	0.4	3	791	1479	577	791	142	150	954	1309	0.00
N+100.01	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	969.6224	923.609	8.1155	0.5477	10.8599	2526.0045	7	0.4	3	791	1450	1740	1450	142	150	954	1804	0.51
N+100.01	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1108.9176	923.609	8.1155	0.5477	42.6359	6184.9642	7	0.4	3	791	1478	604	791	142	150	954	1309	0.71
N+100.01	M11	1.2D+1.0Ex+0.3Ey+1.0L	Top	978.5427	924.1858	8.0423	0.5578	10.6974	2527.755	7	0.4	3	791	1452	1743	1452	142	150	954	1805	0.51
N+100.01	M11	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1117.8379	924.1858	8.0423	0.5578	42.1722	6189.0853	7	0.4	3	791	1480	605	791	142	150	954	1309	0.71
N+100.01	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	970.0585	365.3347	26.1922	1.1459	35.0967	978.5433	7	0.4	3	791	1451	1812	1451	142	150	954	1804	0.20
N+100.01	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1109.3537	365.3347	26.1922	1.1459	137.6128	2427.8746	7	0.4	3	791	1478	607	791	142	150	954	1309	0.28
N+100.01	M11	1.2D+1.0Ey+0.3Ex+1.0L	Top	978.1066	365.9115	26.119	1.156	34.9342	980.2938	7	0.4	3	791	1452	1815	1452	142	150	954	1805	0.20
N+100.01	M11	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1117.4018	365.9115	26.119	1.156	137.1491	2431.9957	7	0.4	3	791	1480	608	791	142	150	954	1309	0.28
N+100.01	M11	0.9D+1.0Ex+0.3Ey	Top	726.1014	923.7021	8.1009	0.5493	10.8415	2526.2948	7	0.4	3	791	1402	1645	1402	142	150	954	1767	0.52
N+100.01	M11	0.9D+1.0Ex+0.3Ey	Bottom	830.5729	923.7021	8.1009	0.5493	42.5573	6185.6372	7	0.4	3	791	1423	578	791	142	150	954	1309	0.71
N+100.01	M11	0.9D+1.0Ex+0.3Ey	Top	735.0217	924.0927	8.0569	0.5561	10.7158	2527.4647	7	0.4	3	791	1404	1649	1404	142	150	954	1768	0.52
N+100.01	M11	0.9D+1.0Ex+0.3Ey	Bottom	839.4932	924.0927	8.0569	0.5561	42.2509	6188.4123	7	0.4	3	791	1424	579	791	142	150	954	1309	0.71
N+100.01	M11	0.9D+1.0Ey+0.3Ex	Top	726.5375	365.4278	26.1776	1.1476	35.0783	978.8336	7	0.4	3	791	1402	1713	1402	142	150	954	1767	0.21
N+100.01	M11	0.9D+1.0Ey+0.3Ex	Bottom	831.009	365.4278	26.1776	1.1476	137.5342	2428.5475	7	0.4	3	791	1423	582	791	142	150	954	1309	0.28
N+100.01	M11	0.9D+1.0Ey+0.3Ex	Top	734.5856	365.8184	26.1336	1.1543	34.9526	980.0034	7	0.4	3	791	1403	1716	1403	142	150	954	1768	0.21
N+100.01	M11	0.9D+1.0Ey+0.3Ex	Bottom	839.057	365.8184	26.1336	1.1543	137.2277	2431.3227	7	0.4	3	791	1424	582	791	142	150	954	1309	0.28
N+100.01	M12	1.4D	Top	1182.519	3.7883	0.0281	0.0044	0.0972	10.6075	3	0.4	3	791	1493	1743	1493	142	150	954	1835	0.00
N+100.01	M12	1.4D	Bottom	1345.0301	3.7883	0.0281	0.0044	0.2126	4.9625	3	0.4	3	791	1526	10511	1526	142	150	954	1860	0.00
N+100.01	M12	1.2D+1.6L+0.5Lr	Top	1013.5803	3.2937	0.0352	0.0046	0.0782	8.9445	3	0.4	3	791	1459	1781	1459	142	150	954	1810	0.00
N+100.01	M12	1.2D+1.6L+0.5Lr	Bottom	1152.8756	3.2937	0.0352	0.0046	0.2227	4.5926	3	0.4	3	791	1487	18221	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.6L+0.5G	Top	1013.5806	3.2929	0.035	0.0046	0.0786	8.9422	3	0.4	3	791	1459	1781	1459	142	150	954	1810	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M12	1.2D+1.6L+0.5G	Bottom	1152.8758	3.2929	0.035	0.0046	0.2225	4.5915	3	0.4	3	791	1487	18222	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.6L+0.5Le	Top	1013.5807	3.2924	0.035	0.0046	0.0788	8.9408	3	0.4	3	791	1459	1781	1459	142	150	954	1810	0.00
N+100.01	M12	1.2D+1.6L+0.5Le	Bottom	1152.8759	3.2924	0.035	0.0046	0.2224	4.5909	3	0.4	3	791	1487	18227	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.6Lr+1.0L	Top	1013.5818	3.2809	0.0317	0.0043	0.0783	9.013	3	0.4	3	791	1459	1742	1459	142	150	954	1810	0.00
N+100.01	M12	1.2D+1.6Lr+1.0L	Bottom	1152.8771	3.2809	0.0317	0.0043	0.2088	4.4715	3	0.4	3	791	1487	13986	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.6G+1.0L	Top	1013.5825	3.2783	0.0313	0.0043	0.0793	9.0057	3	0.4	3	791	1459	1742	1459	142	150	954	1810	0.00
N+100.01	M12	1.2D+1.6G+1.0L	Bottom	1152.8778	3.2783	0.0313	0.0043	0.2081	4.4682	3	0.4	3	791	1487	13993	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.6Le+1.0L	Top	1013.583	3.2767	0.0311	0.0043	0.08	9.0012	3	0.4	3	791	1459	1742	1459	142	150	954	1810	0.00
N+100.01	M12	1.2D+1.6Le+1.0L	Bottom	1152.8782	3.2767	0.0311	0.0043	0.2077	4.4661	3	0.4	3	791	1487	13996	1487	142	150	954	1831	0.00
N+100.01	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	886.2812	919.8308	7.856	0.5447	10.4374	2536.133	3	0.4	3	791	1434	1682	1434	142	150	954	1791	0.51
N+100.01	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1025.5764	919.8308	7.856	0.5447	41.1608	6180.258	3	0.4	3	791	1462	595	791	142	150	954	1309	0.70
N+100.01	M12	1.2D+1.0Ex+0.3Ey+1.0L	Top	1140.8857	926.381	7.7944	0.5533	10.2762	2518.1397	3	0.4	3	791	1485	1828	1485	142	150	954	1829	0.51
N+100.01	M12	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1280.1809	926.381	7.7944	0.5533	40.7463	6189.186	3	0.4	3	791	1513	621	791	142	150	954	1309	0.71
N+100.01	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	964.3127	361.8906	25.4348	1.1508	33.8358	989.1555	3	0.4	3	791	1449	1740	1449	142	150	954	1803	0.20
N+100.01	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1103.608	361.8906	25.4348	1.1508	133.3584	2424.5296	3	0.4	3	791	1477	603	791	142	150	954	1309	0.28
N+100.01	M12	1.2D+1.0Ey+0.3Ex+1.0L	Top	1062.8541	368.4408	25.3732	1.1594	33.6745	971.1622	3	0.4	3	791	1469	1911	1469	142	150	954	1817	0.20
N+100.01	M12	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1202.1493	368.4408	25.3732	1.1594	132.9439	2433.4575	3	0.4	3	791	1497	619	791	142	150	954	1309	0.28
N+100.01	M12	0.9D+1.0Ex+0.3Ey	Top	632.8886	920.6705	7.8432	0.5462	10.4193	2533.9554	3	0.4	3	791	1383	1590	1383	142	150	954	1753	0.53
N+100.01	M12	0.9D+1.0Ex+0.3Ey	Bottom	737.36	920.6705	7.8432	0.5462	41.0902	6181.5318	3	0.4	3	791	1404	568	791	142	150	954	1309	0.70
N+100.01	M12	0.9D+1.0Ex+0.3Ey	Top	887.4931	925.5412	7.8071	0.5518	10.2943	2520.3172	3	0.4	3	791	1434	1722	1434	142	150	954	1791	0.52
N+100.01	M12	0.9D+1.0Ex+0.3Ey	Bottom	991.9645	925.5412	7.8071	0.5518	40.8169	6187.9122	3	0.4	3	791	1455	594	791	142	150	954	1309	0.71
N+100.01	M12	0.9D+1.0Ey+0.3Ex	Top	710.9201	362.7303	25.4221	1.1523	33.8177	986.9779	3	0.4	3	791	1399	1656	1399	142	150	954	1765	0.21
N+100.01	M12	0.9D+1.0Ey+0.3Ex	Bottom	815.3915	362.7303	25.4221	1.1523	133.2878	2425.8034	3	0.4	3	791	1420	577	791	142	150	954	1309	0.28
N+100.01	M12	0.9D+1.0Ey+0.3Ex	Top	809.4615	367.601	25.386	1.1579	33.6926	973.3398	3	0.4	3	791	1418	1788	1418	142	150	954	1779	0.21
N+100.01	M12	0.9D+1.0Ey+0.3Ex	Bottom	913.9329	367.601	25.386	1.1579	133.0145	2432.1838	3	0.4	3	791	1439	591	791	142	150	954	1309	0.28
N+100.01	M13	1.4D	Top	1137.7052	6.6805	0.023	0.007	0.0919	24.1065	9	0.4	3	791	1484	1154	1154	142	150	954	1581	0.00
N+100.01	M13	1.4D	Bottom	1300.2163	6.6805	0.023	0.007	0.1865	3.3505	9	0.4	3	791	1517	1791	1517	142	150	954	1853	0.00
N+100.01	M13	1.2D+1.6L+0.5Lr	Top	975.1934	5.6795	0.0298	0.0069	0.0733	20.8101	9	0.4	3	791	1452	1094	1094	142	150	954	1536	0.00
N+100.01	M13	1.2D+1.6L+0.5Lr	Bottom	1114.4886	5.6795	0.0298	0.0069	0.1956	2.5328	9	0.4	3	791	1479	1599	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.6L+0.5G	Top	975.1929	5.6803	0.0297	0.0069	0.0736	20.8123	9	0.4	3	791	1452	1094	1094	142	150	954	1536	0.00
N+100.01	M13	1.2D+1.6L+0.5G	Bottom	1114.4881	5.6803	0.0297	0.0069	0.1955	2.5338	9	0.4	3	791	1479	1600	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.6L+0.5Le	Top	975.1926	5.6808	0.0296	0.0069	0.0737	20.8137	9	0.4	3	791	1452	1094	1094	142	150	954	1536	0.00
N+100.01	M13	1.2D+1.6L+0.5Le	Bottom	1114.4878	5.6808	0.0296	0.0069	0.1954	2.5345	9	0.4	3	791	1479	1600	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.6Lr+1.0L	Top	975.1899	5.6924	0.0266	0.0066	0.0738	20.742	9	0.4	3	791	1452	1102	1102	142	150	954	1542	0.00
N+100.01	M13	1.2D+1.6Lr+1.0L	Bottom	1114.4851	5.6924	0.0266	0.0066	0.1832	2.6539	9	0.4	3	791	1479	1635	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.6G+1.0L	Top	975.1882	5.695	0.0263	0.0066	0.0747	20.7491	9	0.4	3	791	1452	1102	1102	142	150	954	1543	0.00
N+100.01	M13	1.2D+1.6G+1.0L	Bottom	1114.4834	5.695	0.0263	0.0066	0.1826	2.6572	9	0.4	3	791	1479	1636	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.6Le+1.0L	Top	975.1872	5.6965	0.0261	0.0066	0.0752	20.7535	9	0.4	3	791	1452	1103	1103	142	150	954	1543	0.00
N+100.01	M13	1.2D+1.6Le+1.0L	Bottom	1114.4824	5.6965	0.0261	0.0066	0.1823	2.6593	9	0.4	3	791	1479	1636	1479	142	150	954	1825	0.00
N+100.01	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	676.2725	930.7849	7.677	0.5528	10.0774	2500.3166	9	0.4	3	791	1392	1683	1392	142	150	954	1760	0.53
N+100.01	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	815.5677	930.7849	7.677	0.5528	40.0345	6188.7089	9	0.4	3	791	1420	580	791	142	150	954	1309	0.71
N+100.01	M13	1.2D+1.0Ex+0.3Ey+1.0L	Top	1274.0997	919.3886	7.6253	0.566	9.9259	2541.8325	9	0.4	3	791	1511	1820	1511	142	150	954	1849	0.50
N+100.01	M13	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1413.395	919.3886	7.6253	0.566	39.6706	6183.3861	9	0.4	3	791	1539	630	791	142	150	954	1309	0.70
N+100.01	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	857.7693	371.5704	24.6573	1.1561	32.6367	957.3358	9	0.4	3	791	1428	1912	1428	142	150	954	1787	0.21
N+100.01	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	997.0646	371.5704	24.6573	1.1561	129.0719	2432.1473	9	0.4	3	791	1456	604	791	142	150	954	1309	0.28
N+100.01	M13	1.2D+1.0Ey+0.3Ex+1.0L	Top	1092.6029	360.1741	24.6056	1.1693	32.4853	998.8517	9	0.4	3	791	1475	1741	1475	142	150	954	1822	0.20
N+100.01	M13	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1231.8981	360.1741	24.6056	1.1693	128.708	2426.8244	9	0.4	3	791	1503	612	791	142	150	954	1309	0.28
N+100.01	M13	0.9D+1.0Ex+0.3Ey	Top	432.4683	929.3813	7.666	0.5549	10.0607	2505.5775	9	0.4	3	791	1343	1574	1343	142	150	954	1723	0.54
N+100.01	M13	0.9D+1.0Ex+0.3Ey	Bottom	536.9397	929.3813	7.666	0.5549	39.9724	6188.2014	9	0.4	3	791	1364	553	791	142	150	954	1309	0.71
N+100.01	M13	0.9D+1.0Ex+0.3Ey	Top	1030.2956	920.7921	7.6364	0.5639	9.9426	2536.5716	9	0.4	3	791	1463	1739	1463	142	150	954	1813	0.51
N+100.01	M13	0.9D+1.0Ex+0.3Ey	Bottom	1134.767	920.7921	7.6364	0.5639	39.7327	6183.8936	9	0.4	3	791	1483	605	791	142	150	954	1309	0.70
N+100.01	M13	0.9D+1.0Ey+0.3Ex	Top	613.9652	370.1669	24.6463	1.1582	32.6201	962.5967	9	0.4	3	791	1379	1769	1379	142	150	954	1750	0.21
N+100.01	M13	0.9D+1.0Ey+0.3Ex	Bottom	718.4366	370.1669	24.6463	1.1582	129.0099	2431.6397	9	0.4	3	791	1400	576	791	142	150	954	1309	0.28
N+100.01	M13	0.9D+1.0Ey+0.3Ex	Top	848.7987	361.5776	24.6167	1.1672	32.5019	993.5908	9	0.4	3	791	1426	1678	1426	142	150	954	1785	0.20
N+100.01	M13	0.9D+1.0Ey+0.3Ex	Bottom	953.2701	361.5776	24.6167	1.1672	128.7701	2427.332	9	0.4	3	791	1447	588	791	142	150	954	1309	0.28
N+100.01	M14	1.4D	Top	997.8853	2.5245	0.0284	0.0027	0.0625	10.2547	4	0.4	3	791	1456	965	965	142	150	954	1439	0.00
N+100.01	M14	1.4D	Bottom	1160.3964	2.5245	0.0284	0.0027	0.1793	0.1209	4	0.4	3	791	1489	1112	1112	142	150	954	1550	0.00
N+100.01	M14	1.2D+1.6L+0.5Lr	Top	855.3481	2.1168	0.0336	0.0032	0.0478	8.9359	4	0.4	3	791	1428	897	897	142	150	954	1388	0.00
N+100.01	M14	1.2D+1.6L+0.5Lr	Bottom	994.6434	2.1168	0.0336	0.0032	0.1859	0.236	4	0.4	3	791	1455	1117	1117	142	150	954	1553	0.00
N+100.01	M14	1.2D+1.6L+0.5G	Top	855.3476	2.1175	0.0335	0.0032	0.0481	8.938	4	0.4	3	791	1428	897	897	142	150	954	1388	0.00
N+100.01	M14	1.2D+1.6L+0.5G	Bottom	994.6428	2.1175	0.0335	0.0032	0.1857	0.235	4	0.4	3	791	1455	1116	1116	142	150	954	1553	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M14	1.2D+1.6L+0.5Le	Top	855.3473	2.118	0.0334	0.0032	0.0482	8.9393	4	0.4	3	791	1428	897	897	142	150	954	1388	0.00
N+100.01	M14	1.2D+1.6L+0.5Le	Bottom	994.6425	2.118	0.0334	0.0032	0.1857	0.2343	4	0.4	3	791	1455	1116	1116	142	150	954	1553	0.00
N+100.01	M14	1.2D+1.6Lr+1.0L	Top	855.3445	2.13	0.0306	0.0029	0.0487	8.8691	4	0.4	3	791	1428	911	911	142	150	954	1399	0.00
N+100.01	M14	1.2D+1.6Lr+1.0L	Bottom	994.6397	2.13	0.0306	0.0029	0.1746	0.1147	4	0.4	3	791	1455	1063	1063	142	150	954	1513	0.00
N+100.01	M14	1.2D+1.6G+1.0L	Top	855.3428	2.1324	0.0304	0.0029	0.0494	8.8757	4	0.4	3	791	1428	911	911	142	150	954	1399	0.00
N+100.01	M14	1.2D+1.6G+1.0L	Bottom	994.638	2.1324	0.0304	0.0029	0.1742	0.1113	4	0.4	3	791	1455	1061	1061	142	150	954	1512	0.00
N+100.01	M14	1.2D+1.6Le+1.0L	Top	855.3417	2.134	0.0302	0.0029	0.0499	8.8799	4	0.4	3	791	1428	912	912	142	150	954	1399	0.00
N+100.01	M14	1.2D+1.6Le+1.0L	Bottom	994.637	2.134	0.0302	0.0029	0.1739	0.1093	4	0.4	3	791	1455	1061	1061	142	150	954	1511	0.00
N+100.01	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	544.1945	935.6365	7.5376	0.5166	10.0286	2491.2942	4	0.4	3	791	1365	1658	1365	142	150	954	1740	0.54
N+100.01	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	683.4897	935.6365	7.5376	0.5166	39.2315	6197.1484	4	0.4	3	791	1393	569	791	142	150	954	1309	0.71
N+100.01	M14	1.2D+1.0Ex+0.3Ey+1.0L	Top	1166.4869	931.3656	7.4776	0.5223	9.928	2509.0623	4	0.4	3	791	1490	1871	1490	142	150	954	1833	0.51
N+100.01	M14	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1305.7821	931.3656	7.4776	0.5223	38.8842	6197.3628	4	0.4	3	791	1518	625	791	142	150	954	1309	0.71
N+100.01	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	733.2295	371.5868	23.921	1.1358	32.2466	959.4247	4	0.4	3	791	1403	1848	1403	142	150	954	1768	0.21
N+100.01	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	872.5247	371.5868	23.921	1.1358	125.6376	2433.4743	4	0.4	3	791	1431	592	791	142	150	954	1309	0.28
N+100.01	M14	1.2D+1.0Ey+0.3Ex+1.0L	Top	977.4519	367.3158	23.861	1.1416	32.146	977.1927	4	0.4	3	791	1452	1840	1452	142	150	954	1805	0.20
N+100.01	M14	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1116.7471	367.3158	23.861	1.1416	125.2903	2433.6886	4	0.4	3	791	1480	610	791	142	150	954	1309	0.28
N+100.01	M14	0.9D+1.0Ex+0.3Ey	Top	330.3515	935.124	7.5259	0.5177	10.0185	2493.5859	4	0.4	3	791	1323	1565	1323	142	150	954	1708	0.55
N+100.01	M14	0.9D+1.0Ex+0.3Ey	Bottom	434.8229	935.124	7.5259	0.5177	39.1731	6197.3334	4	0.4	3	791	1343	546	791	142	150	954	1309	0.71
N+100.01	M14	0.9D+1.0Ex+0.3Ey	Top	952.6439	931.8782	7.4894	0.5212	9.9381	2506.7706	4	0.4	3	791	1447	1790	1447	142	150	954	1801	0.52
N+100.01	M14	0.9D+1.0Ex+0.3Ey	Bottom	1057.1153	931.8782	7.4894	0.5212	38.9425	6197.1779	4	0.4	3	791	1468	602	791	142	150	954	1309	0.71
N+100.01	M14	0.9D+1.0Ey+0.3Ex	Top	519.3865	371.0742	23.9093	1.137	32.2365	961.7163	4	0.4	3	791	1360	1740	1360	142	150	954	1736	0.21
N+100.01	M14	0.9D+1.0Ey+0.3Ex	Bottom	623.8579	371.0742	23.9093	1.137	125.5792	2433.6592	4	0.4	3	791	1381	568	791	142	150	954	1309	0.28
N+100.01	M14	0.9D+1.0Ey+0.3Ex	Top	763.6088	367.8284	23.8727	1.1404	32.1562	974.901	4	0.4	3	791	1409	1765	1409	142	150	954	1773	0.21
N+100.01	M14	0.9D+1.0Ey+0.3Ex	Bottom	868.0803	367.8284	23.8727	1.1404	125.3487	2433.5037	4	0.4	3	791	1430	587	791	142	150	954	1309	0.28
N+100.01	M15	1.4D	Top	864.4441	3.9503	0.385	0.2387	0.9193	15.2301	1	0.4	3	791	1429	1002	1002	142	150	954	1467	0.00
N+100.01	M15	1.4D	Bottom	1026.9552	3.9503	0.385	0.2387	0.6629	1.0058	1	0.4	3	791	1462	1284	1284	142	150	954	1679	0.00
N+100.01	M15	1.2D+1.6L+0.5Lr	Top	740.8892	3.3426	0.3393	0.2043	0.7961	13.2124	1	0.4	3	791	1405	947	947	142	150	954	1426	0.00
N+100.01	M15	1.2D+1.6L+0.5Lr	Bottom	880.1844	3.3426	0.3393	0.2043	0.5984	0.5257	1	0.4	3	791	1433	1122	1122	142	150	954	1557	0.00
N+100.01	M15	1.2D+1.6L+0.5G	Top	740.8904	3.3435	0.3392	0.2043	0.7959	13.2149	1	0.4	3	791	1405	947	947	142	150	954	1426	0.00
N+100.01	M15	1.2D+1.6L+0.5G	Bottom	880.1856	3.3435	0.3392	0.2043	0.5983	0.5268	1	0.4	3	791	1433	1122	1122	142	150	954	1557	0.00
N+100.01	M15	1.2D+1.6L+0.5Le	Top	740.8912	3.344	0.3392	0.2043	0.7958	13.2164	1	0.4	3	791	1405	947	947	142	150	954	1426	0.00
N+100.01	M15	1.2D+1.6L+0.5Le	Bottom	880.1864	3.344	0.3392	0.2043	0.5982	0.5275	1	0.4	3	791	1433	1122	1122	142	150	954	1557	0.00
N+100.01	M15	1.2D+1.6Lr+1.0L	Top	740.9057	3.3539	0.3362	0.2044	0.7941	13.1387	1	0.4	3	791	1405	957	957	142	150	954	1434	0.00
N+100.01	M15	1.2D+1.6Lr+1.0L	Bottom	880.201	3.3539	0.3362	0.2044	0.5876	0.6456	1	0.4	3	791	1433	1158	1158	142	150	954	1584	0.00
N+100.01	M15	1.2D+1.6G+1.0L	Top	740.9096	3.3566	0.336	0.2044	0.7935	13.1467	1	0.4	3	791	1405	958	958	142	150	954	1434	0.00
N+100.01	M15	1.2D+1.6G+1.0L	Bottom	880.2049	3.3566	0.336	0.2044	0.5873	0.6491	1	0.4	3	791	1433	1159	1159	142	150	954	1585	0.00
N+100.01	M15	1.2D+1.6Le+1.0L	Top	740.9121	3.3584	0.3358	0.2044	0.7932	13.1516	1	0.4	3	791	1405	958	958	142	150	954	1434	0.00
N+100.01	M15	1.2D+1.6Le+1.0L	Bottom	880.2073	3.3584	0.3358	0.2044	0.5871	0.6512	1	0.4	3	791	1433	1160	1160	142	150	954	1585	0.00
N+100.01	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	434.4143	986.8846	18.0945	9.0156	28.5245	2297.1324	1	0.4	3	791	1343	2171	1343	142	150	954	1723	0.57
N+100.01	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	573.7095	986.8846	18.0945	9.0156	52.2852	6212.7837	1	0.4	3	791	1371	581	791	142	150	954	1309	0.75
N+100.01	M15	1.2D+1.0Ex+0.3Ey+1.0L	Top	1047.4147	980.1644	17.4231	8.6068	30.1101	2323.4457	1	0.4	3	791	1466	2414	1466	142	150	954	1815	0.54
N+100.01	M15	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1186.7099	980.1644	17.4231	8.6068	51.1113	6211.477	1	0.4	3	791	1494	639	791	142	150	954	1309	0.75
N+100.01	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	-184.1872	369.9287	32.6828	7.7311	23.8044	970.5592	1	0.4	3	791	1220	1397	1220	142	150	954	1630	0.23
N+100.01	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-44.892	369.9287	32.6828	7.7311	135.6104	2418.4138	1	0.4	3	791	1248	506	791	142	150	954	1309	0.28
N+100.01	M15	1.2D+1.0Ey+0.3Ex+1.0L	Top	1666.0162	363.2085	32.0114	7.3224	25.3901	996.8724	1	0.4	3	791	1590	1997	1590	142	150	954	1908	0.19
N+100.01	M15	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1805.3114	363.2085	32.0114	7.3224	134.4365	2417.1071	1	0.4	3	791	1618	672	791	142	150	954	1309	0.28
N+100.01	M15	0.9D+1.0Ex+0.3Ey	Top	249.2139	986.064	18.0063	8.9647	28.7263	2300.4983	1	0.4	3	791	1306	2052	1306	142	150	954	1695	0.58
N+100.01	M15	0.9D+1.0Ex+0.3Ey	Bottom	353.6853	986.064	18.0063	8.9647	52.1244	6212.7769	1	0.4	3	791	1327	559	791	142	150	954	1309	0.75
N+100.01	M15	0.9D+1.0Ex+0.3Ey	Top	862.2143	980.985	17.5113	8.6578	29.9083	2320.0798	1	0.4	3	791	1429	2325	1429	142	150	954	1787	0.55
N+100.01	M15	0.9D+1.0Ex+0.3Ey	Bottom	966.6857	980.985	17.5113	8.6578	51.2721	6211.4838	1	0.4	3	791	1450	618	791	142	150	954	1309	0.75
N+100.01	M15	0.9D+1.0Ey+0.3Ex	Top	-369.3876	369.1081	32.5946	7.6802	24.0063	973.925	1	0.4	3	791	1183	1303	1183	142	150	954	1603	0.23
N+100.01	M15	0.9D+1.0Ey+0.3Ex	Bottom	-264.9162	369.1081	32.5946	7.6802	135.4496	2418.407	1	0.4	3	791	1204	484	791	142	150	954	1309	0.28
N+100.01	M15	0.9D+1.0Ey+0.3Ex	Top	1480.8158	364.0291	32.0996	7.3733	25.1882	993.5066	1	0.4	3	791	1553	1947	1553	142	150	954	1880	0.19
N+100.01	M15	0.9D+1.0Ey+0.3Ex	Bottom	1585.2872	364.0291	32.0996	7.3733	134.5973	2417.1139	1	0.4	3	791	1574	652	791	142	150	954	1309	0.28
N+100.01	M16	1.4D	Top	866.4515	3.146	0.3597	0.2398	0.9461	17.5206	1	0.4	3	791	1430	678	791	142	150	954	1309	0.00
N+100.01	M16	1.4D	Bottom	1028.9626	3.146	0.3597	0.2398	0.5324	4.5906	1	0.4	3	791	1462	46076	1462	142	150	954	1812	0.00
N+100.01	M16	1.2D+1.6L+0.5Lr	Top	742.6129	2.4196	0.3087	0.206	0.8069	14.9091	1	0.4	3	791	1405	609	791	142	150	954	1309	0.00
N+100.01	M16	1.2D+1.6L+0.5Lr	Bottom	881.9081	2.4196	0.3087	0.206	0.4619	4.9646	1	0.4	3	791	1433	3530	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.6L+0.5G	Top	742.6148	2.4209	0.3087	0.206	0.8068	14.9137	1	0.4	3	791	1405	609	791	142	150	954	1309	0.00
N+100.01	M16	1.2D+1.6L+0.5G	Bottom	881.91	2.4209	0.3087	0.206	0.4618	4.9637	1	0.4	3	791	1433	3539	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.6L+0.5Le	Top	742.616	2.4217	0.3086	0.206	0.8067	14.9166	1	0.4	3	791	1405	609	791	142	150	954	1309	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M16	1.2D+1.6L+0.5Le	Bottom	881.9112	2.4217	0.3086	0.206	0.4617	4.9632	1	0.4	3	791	1433	3544	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.6Lr+1.0L	Top	742.6244	2.5158	0.3088	0.2059	0.8091	14.923	1	0.4	3	791	1405	628	791	142	150	954	1309	0.00
N+100.01	M16	1.2D+1.6Lr+1.0L	Bottom	881.9196	2.5158	0.3088	0.2059	0.4602	4.5832	1	0.4	3	791	1433	5887	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.6G+1.0L	Top	742.6304	2.52	0.3087	0.2059	0.8087	14.9378	1	0.4	3	791	1405	629	791	142	150	954	1309	0.00
N+100.01	M16	1.2D+1.6G+1.0L	Bottom	881.9256	2.52	0.3087	0.2059	0.46	4.5805	1	0.4	3	791	1433	5960	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.6Le+1.0L	Top	742.6342	2.5227	0.3086	0.2059	0.8085	14.9471	1	0.4	3	791	1405	629	791	142	150	954	1309	0.00
N+100.01	M16	1.2D+1.6Le+1.0L	Bottom	881.9294	2.5227	0.3086	0.2059	0.4598	4.5789	1	0.4	3	791	1433	6007	1433	142	150	954	1790	0.00
N+100.01	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	-372.7967	291.1104	35.5571	8.981	24.6772	710.1479	1	0.4	3	791	1182	1528	1182	142	150	954	1602	0.18
N+100.01	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-233.5015	291.1104	35.5571	8.981	150.4994	1669.1028	1	0.4	3	791	1210	536	791	142	150	954	1309	0.22
N+100.01	M16	1.2D+1.0Ex+0.3Ey+1.0L	Top	1858.0727	296.1611	34.9401	9.3927	26.2937	680.2354	1	0.4	3	791	1628	3104	1628	142	150	954	1937	0.15
N+100.01	M16	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1997.3679	296.1611	34.9401	9.3927	149.58	1659.9483	1	0.4	3	791	1656	806	806	142	150	954	1320	0.22
N+100.01	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	298.6462	872.829	16.1263	7.1086	27.2268	1953.2773	1	0.4	3	791	1316	2319	1316	142	150	954	1703	0.51
N+100.01	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	437.9414	872.829	16.1263	7.1086	52.8035	5358.0774	1	0.4	3	791	1344	579	791	142	150	954	1309	0.67
N+100.01	M16	1.2D+1.0Ey+0.3Ex+1.0L	Top	1186.6298	877.8796	15.5093	7.5203	28.8433	1923.3647	1	0.4	3	791	1494	3078	1494	142	150	954	1836	0.48
N+100.01	M16	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1325.925	877.8796	15.5093	7.5203	51.8841	5348.9229	1	0.4	3	791	1522	675	791	142	150	954	1309	0.67
N+100.01	M16	0.9D+1.0Ex+0.3Ey	Top	-558.4302	291.6133	35.4799	9.0327	24.8772	706.4549	1	0.4	3	791	1145	1455	1145	142	150	954	1574	0.19
N+100.01	M16	0.9D+1.0Ex+0.3Ey	Bottom	-453.9587	291.6133	35.4799	9.0327	150.3819	1667.4767	1	0.4	3	791	1166	512	791	142	150	954	1309	0.22
N+100.01	M16	0.9D+1.0Ex+0.3Ey	Top	1672.4392	295.6582	35.0174	9.341	26.0937	683.9284	1	0.4	3	791	1591	2937	1591	142	150	954	1909	0.15
N+100.01	M16	0.9D+1.0Ex+0.3Ey	Bottom	1776.9106	295.6582	35.0174	9.341	149.6975	1661.5745	1	0.4	3	791	1612	779	791	142	150	954	1309	0.23
N+100.01	M16	0.9D+1.0Ey+0.3Ex	Top	113.0127	873.3318	16.0491	7.1603	27.4269	1949.5843	1	0.4	3	791	1279	2213	1279	142	150	954	1675	0.52
N+100.01	M16	0.9D+1.0Ey+0.3Ex	Bottom	217.4841	873.3318	16.0491	7.1603	52.6861	5356.4513	1	0.4	3	791	1300	557	791	142	150	954	1309	0.67
N+100.01	M16	0.9D+1.0Ey+0.3Ex	Top	1000.9963	877.3767	15.5866	7.4686	28.6433	1927.0578	1	0.4	3	791	1457	2927	1457	142	150	954	1808	0.49
N+100.01	M16	0.9D+1.0Ey+0.3Ex	Bottom	1105.4677	877.3767	15.5866	7.4686	52.0016	5350.5491	1	0.4	3	791	1478	652	791	142	150	954	1309	0.67
N+100.01	M17	1.4D	Top	1045.2483	5.049	0.0106	0.009	0.0097	23.714	2	0.4	3	791	1466	826	826	142	150	954	1335	0.00
N+100.01	M17	1.4D	Bottom	1207.7594	5.049	0.0106	0.009	0.0337	2.9625	2	0.4	3	791	1498	1931	1498	142	150	954	1839	0.00
N+100.01	M17	1.2D+1.6L+0.5Lr	Top	895.9519	4.0549	0.0094	0.0086	0.0064	20.2331	2	0.4	3	791	1436	756	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6L+0.5Lr	Bottom	1035.2471	4.0549	0.0094	0.0086	0.0323	3.5676	2	0.4	3	791	1464	2820	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.6L+0.5G	Top	895.9514	4.0561	0.0094	0.0086	0.0064	20.2374	2	0.4	3	791	1436	756	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6L+0.5G	Bottom	1035.2466	4.0561	0.0094	0.0086	0.0322	3.5668	2	0.4	3	791	1464	2818	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.6L+0.5Le	Top	895.9511	4.0569	0.0094	0.0086	0.0063	20.24	2	0.4	3	791	1436	756	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6L+0.5Le	Bottom	1035.2463	4.0569	0.0094	0.0086	0.0322	3.5663	2	0.4	3	791	1464	2816	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.6Lr+1.0L	Top	895.9454	4.15	0.0095	0.0083	0.0077	20.2431	2	0.4	3	791	1436	773	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6Lr+1.0L	Bottom	1035.2406	4.15	0.0095	0.0083	0.0313	3.1865	2	0.4	3	791	1464	2353	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.6G+1.0L	Top	895.9438	4.154	0.0094	0.0083	0.0074	20.2569	2	0.4	3	791	1436	774	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6G+1.0L	Bottom	1035.2391	4.154	0.0094	0.0083	0.0312	3.184	2	0.4	3	791	1464	2348	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.6Le+1.0L	Top	895.9429	4.1565	0.0093	0.0083	0.0072	20.2655	2	0.4	3	791	1436	774	791	142	150	954	1309	0.00
N+100.01	M17	1.2D+1.6Le+1.0L	Bottom	1035.2381	4.1565	0.0093	0.0083	0.0311	3.1824	2	0.4	3	791	1464	2345	1464	142	150	954	1813	0.00
N+100.01	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	771.7045	254.4292	26.1452	0.3829	36.9993	668.5637	2	0.4	3	791	1411	1799	1411	142	150	954	1774	0.14
N+100.01	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	910.9997	254.4292	26.1452	0.3829	139.2126	1670.2585	2	0.4	3	791	1439	595	791	142	150	954	1309	0.19
N+100.01	M17	1.2D+1.0Ex+0.3Ey+1.0L	Top	1020.1794	262.7471	26.1267	0.3995	37.0134	628.0156	2	0.4	3	791	1461	2351	1461	142	150	954	1811	0.15
N+100.01	M17	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1159.4746	262.7471	26.1267	0.3995	139.1507	1663.8968	2	0.4	3	791	1488	637	791	142	150	954	1309	0.20
N+100.01	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	501.0408	814.7905	9.5474	1.0751	13.2152	2115.3049	2	0.4	3	791	1357	1726	1357	142	150	954	1733	0.47
N+100.01	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	640.336	814.7905	9.5474	1.0751	50.6138	5335.4934	2	0.4	3	791	1385	570	791	142	150	954	1309	0.62
N+100.01	M17	1.2D+1.0Ey+0.3Ex+1.0L	Top	1290.8431	823.1084	9.5289	1.0916	13.2292	2074.7568	2	0.4	3	791	1515	2208	1515	142	150	954	1852	0.44
N+100.01	M17	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1430.1383	823.1084	9.5289	1.0916	50.5519	5329.1317	2	0.4	3	791	1543	651	791	142	150	954	1309	0.63
N+100.01	M17	0.9D+1.0Ex+0.3Ey	Top	547.7079	255.3424	26.1428	0.3854	37.0001	663.5344	2	0.4	3	791	1366	1743	1366	142	150	954	1740	0.15
N+100.01	M17	0.9D+1.0Ex+0.3Ey	Bottom	652.1793	255.3424	26.1428	0.3854	139.2033	1668.9821	2	0.4	3	791	1387	572	791	142	150	954	1309	0.20
N+100.01	M17	0.9D+1.0Ex+0.3Ey	Top	796.1828	261.834	26.1292	0.397	37.0126	633.045	2	0.4	3	791	1416	2170	1416	142	150	954	1777	0.15
N+100.01	M17	0.9D+1.0Ex+0.3Ey	Bottom	900.6542	261.834	26.1292	0.397	139.1599	1665.1731	2	0.4	3	791	1437	609	791	142	150	954	1309	0.20
N+100.01	M17	0.9D+1.0Ey+0.3Ex	Top	277.0442	815.7037	9.5449	1.0775	13.216	2110.2756	2	0.4	3	791	1312	1639	1312	142	150	954	1700	0.48
N+100.01	M17	0.9D+1.0Ey+0.3Ex	Bottom	381.5156	815.7037	9.5449	1.0775	50.6046	5334.217	2	0.4	3	791	1333	546	791	142	150	954	1309	0.62
N+100.01	M17	0.9D+1.0Ey+0.3Ex	Top	1066.8465	822.1952	9.5313	1.0891	13.2285	2079.7862	2	0.4	3	791	1470	2086	1470	142	150	954	1818	0.45
N+100.01	M17	0.9D+1.0Ey+0.3Ex	Bottom	1171.3179	822.1952	9.5313	1.0891	50.5612	5330.4081	2	0.4	3	791	1491	626	791	142	150	954	1309	0.63
N+100.01	M18	1.4D	Top	999.7687	9.2123	0.0036	0.0055	0.0117	24.5814	6	0.4	3	791	1456	1838	1456	142	150	954	1808	0.01
N+100.01	M18	1.4D	Bottom	1162.2798	9.2123	0.0036	0.0055	0.003	13.2811	6	0.4	3	791	1489	33267	1489	142	150	954	1832	0.01
N+100.01	M18	1.2D+1.6L+0.5Lr	Top	856.9034	8.1717	0.0036	0.0056	0.0115	21.1721	6	0.4	3	791	1428	1890	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6L+0.5Lr	Bottom	996.1986	8.1717	0.0036	0.0056	0.0033	12.4136	6	0.4	3	791	1456	98382	1456	142	150	954	1807	0.00
N+100.01	M18	1.2D+1.6L+0.5G	Top	856.9042	8.1705	0.0036	0.0056	0.0116	21.1678	6	0.4	3	791	1428	1890	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6L+0.5G	Bottom	996.1994	8.1705	0.0036	0.0056	0.0033	12.4128	6	0.4	3	791	1456	97743	1456	142	150	954	1807	0.00
N+100.01	M18	1.2D+1.6L+0.5Le	Top	856.9047	8.1697	0.0036	0.0056	0.0116	21.1652	6	0.4	3	791	1428	1890	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6L+0.5Le	Bottom	996.1999	8.1697	0.0036	0.0056	0.0033	12.4123	6	0.4	3	791	1456	97301	1456	142	150	954	1807	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M18	1.2D+1.6Lr+1.0L	Top	856.9143	8.0755	0.0033	0.0053	0.0107	21.1583	6	0.4	3	791	1428	1846	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6Lr+1.0L	Bottom	996.2096	8.0755	0.0033	0.0053	0.0029	12.032	6	0.4	3	791	1456	186057	1456	142	150	954	1808	0.00
N+100.01	M18	1.2D+1.6G+1.0L	Top	856.9168	8.0716	0.0034	0.0053	0.0109	21.1447	6	0.4	3	791	1428	1847	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6G+1.0L	Bottom	996.2121	8.0716	0.0034	0.0053	0.003	12.0295	6	0.4	3	791	1456	193974	1456	142	150	954	1808	0.00
N+100.01	M18	1.2D+1.6Le+1.0L	Top	856.9184	8.0691	0.0034	0.0053	0.0109	21.1362	6	0.4	3	791	1428	1847	1428	142	150	954	1787	0.00
N+100.01	M18	1.2D+1.6Le+1.0L	Bottom	996.2136	8.0691	0.0034	0.0053	0.003	12.0279	6	0.4	3	791	1456	199424	1456	142	150	954	1808	0.00
N+100.01	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	657.9099	271.8639	26.0885	0.4032	35.8643	607.5715	6	0.4	3	791	1388	2562	1388	142	150	954	1757	0.15
N+100.01	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	797.2051	271.8639	26.0885	0.4032	137.993	1682.5768	6	0.4	3	791	1416	612	791	142	150	954	1309	0.21
N+100.01	M18	1.2D+1.0Ex+0.3Ey+1.0L	Top	1055.93	255.7305	26.0953	0.4138	35.8422	649.8269	6	0.4	3	791	1468	2061	1468	142	150	954	1816	0.14
N+100.01	M18	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1195.2252	255.7305	26.0953	0.4138	137.9991	1658.5241	6	0.4	3	791	1496	628	791	142	150	954	1309	0.20
N+100.01	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	214.9684	844.8924	8.7098	1.1199	11.8085	2010.675	6	0.4	3	791	1300	1937	1300	142	150	954	1690	0.50
N+100.01	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	354.2637	844.8924	8.7098	1.1199	45.9369	5355.3877	6	0.4	3	791	1327	556	791	142	150	954	1309	0.65
N+100.01	M18	1.2D+1.0Ey+0.3Ex+1.0L	Top	1498.8714	828.759	8.7166	1.1305	11.7864	2052.9304	6	0.4	3	791	1556	2398	1556	142	150	954	1883	0.44
N+100.01	M18	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1638.1667	828.759	8.7166	1.1305	45.943	5331.335	6	0.4	3	791	1584	675	791	142	150	954	1309	0.63
N+100.01	M18	0.9D+1.0Ex+0.3Ey	Top	443.6984	269.7194	26.0896	0.405	35.8607	612.8969	6	0.4	3	791	1345	2316	1345	142	150	954	1725	0.16
N+100.01	M18	0.9D+1.0Ex+0.3Ey	Bottom	548.1698	269.7194	26.0896	0.405	137.9942	1679.0883	6	0.4	3	791	1366	584	791	142	150	954	1309	0.21
N+100.01	M18	0.9D+1.0Ex+0.3Ey	Top	841.7185	257.875	26.0942	0.4121	35.8457	644.5015	6	0.4	3	791	1425	2034	1425	142	150	954	1784	0.14
N+100.01	M18	0.9D+1.0Ex+0.3Ey	Bottom	946.1899	257.875	26.0942	0.4121	137.998	1662.0125	6	0.4	3	791	1446	607	791	142	150	954	1309	0.20
N+100.01	M18	0.9D+1.0Ey+0.3Ex	Top	0.7569	842.7479	8.7109	1.1217	11.805	2016.0004	6	0.4	3	791	1257	1798	1257	142	150	954	1658	0.51
N+100.01	M18	0.9D+1.0Ey+0.3Ex	Bottom	105.2284	842.7479	8.7109	1.1217	45.938	5351.8992	6	0.4	3	791	1278	531	791	142	150	954	1309	0.64
N+100.01	M18	0.9D+1.0Ey+0.3Ex	Top	1284.6599	830.9035	8.7155	1.1288	11.79	2047.605	6	0.4	3	791	1513	2320	1513	142	150	954	1851	0.45
N+100.01	M18	0.9D+1.0Ey+0.3Ex	Bottom	1389.1313	830.9035	8.7155	1.1288	45.9419	5334.8235	6	0.4	3	791	1534	652	791	142	150	954	1309	0.63
N+100.01	M19	1.4D	Top	914.0595	1.7885	0.0073	0.0054	0.0112	12.9219	2	0.4	3	791	1439	553	791	142	150	954	1309	0.00
N+100.01	M19	1.4D	Bottom	1076.5706	1.7885	0.0073	0.0054	0.0188	5.5713	2	0.4	3	791	1472	1417	1417	142	150	954	1778	0.00
N+100.01	M19	1.2D+1.6L+0.5Lr	Top	783.4974	1.2557	0.0074	0.0055	0.0109	10.9671	2	0.4	3	791	1413	478	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6L+0.5Lr	Bottom	922.7926	1.2557	0.0074	0.0055	0.0195	5.8064	2	0.4	3	791	1441	821	821	142	150	954	1332	0.00
N+100.01	M19	1.2D+1.6L+0.5G	Top	783.4971	1.2569	0.0074	0.0055	0.0109	10.9713	2	0.4	3	791	1413	478	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6L+0.5G	Bottom	922.7923	1.2569	0.0074	0.0055	0.0195	5.8056	2	0.4	3	791	1441	822	822	142	150	954	1332	0.00
N+100.01	M19	1.2D+1.6L+0.5Le	Top	783.4969	1.2576	0.0074	0.0055	0.011	10.9739	2	0.4	3	791	1413	478	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6L+0.5Le	Bottom	922.7921	1.2576	0.0074	0.0055	0.0195	5.8052	2	0.4	3	791	1441	823	823	142	150	954	1333	0.00
N+100.01	M19	1.2D+1.6Lr+1.0L	Top	783.4925	1.3527	0.007	0.0052	0.0104	10.9838	2	0.4	3	791	1413	500	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6Lr+1.0L	Bottom	922.7877	1.3527	0.007	0.0052	0.0183	5.4242	2	0.4	3	791	1441	965	965	142	150	954	1440	0.00
N+100.01	M19	1.2D+1.6G+1.0L	Top	783.4915	1.3565	0.007	0.0052	0.0104	10.9971	2	0.4	3	791	1413	501	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6G+1.0L	Bottom	922.7867	1.3565	0.007	0.0052	0.0183	5.4218	2	0.4	3	791	1441	969	969	142	150	954	1443	0.00
N+100.01	M19	1.2D+1.6Le+1.0L	Top	783.4909	1.3589	0.007	0.0052	0.0104	11.0054	2	0.4	3	791	1413	501	791	142	150	954	1309	0.00
N+100.01	M19	1.2D+1.6Le+1.0L	Bottom	922.7861	1.3589	0.007	0.0052	0.0182	5.4202	2	0.4	3	791	1441	972	972	142	150	954	1444	0.00
N+100.01	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	700.1724	265.1165	25.9337	0.398	35.5392	631.8712	2	0.4	3	791	1397	2194	1397	142	150	954	1763	0.15
N+100.01	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	839.4677	265.1165	25.9337	0.398	137.0832	1678.2047	2	0.4	3	791	1424	605	791	142	150	954	1309	0.20
N+100.01	M19	1.2D+1.0Ex+0.3Ey+1.0L	Top	866.8081	267.8391	25.9477	0.4084	35.5183	609.8437	2	0.4	3	791	1430	2565	1430	142	150	954	1788	0.15
N+100.01	M19	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1006.1033	267.8391	25.9477	0.4084	137.1197	1667.3673	2	0.4	3	791	1458	630	791	142	150	954	1309	0.20
N+100.01	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	515.0435	843.6568	8.163	1.1173	11.0877	2017.7658	2	0.4	3	791	1360	2076	1360	142	150	954	1735	0.49
N+100.01	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	654.3387	843.6568	8.163	1.1173	43.068	5355.8123	2	0.4	3	791	1387	585	791	142	150	954	1309	0.64
N+100.01	M19	1.2D+1.0Ey+0.3Ex+1.0L	Top	1051.9371	846.3795	8.177	1.1277	11.0668	1995.7383	2	0.4	3	791	1467	2448	1467	142	150	954	1816	0.47
N+100.01	M19	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1191.2323	846.3795	8.177	1.1277	43.1045	5344.975	2	0.4	3	791	1495	641	791	142	150	954	1309	0.65
N+100.01	M19	0.9D+1.0Ex+0.3Ey	Top	504.2918	265.3281	25.936	0.3997	35.5359	629.1644	2	0.4	3	791	1357	2113	1357	142	150	954	1734	0.15
N+100.01	M19	0.9D+1.0Ex+0.3Ey	Bottom	608.7633	265.3281	25.936	0.3997	137.0893	1676.3675	2	0.4	3	791	1378	583	791	142	150	954	1309	0.20
N+100.01	M19	0.9D+1.0Ex+0.3Ey	Top	670.9275	267.6275	25.9454	0.4066	35.5216	612.5506	2	0.4	3	791	1391	2411	1391	142	150	954	1759	0.15
N+100.01	M19	0.9D+1.0Ex+0.3Ey	Bottom	775.3989	267.6275	25.9454	0.4066	137.1136	1669.2045	2	0.4	3	791	1412	606	791	142	150	954	1309	0.20
N+100.01	M19	0.9D+1.0Ey+0.3Ex	Top	319.1629	843.8684	8.1653	1.119	11.0844	2015.059	2	0.4	3	791	1320	1978	1320	142	150	954	1706	0.49
N+100.01	M19	0.9D+1.0Ey+0.3Ex	Bottom	423.6343	843.8684	8.1653	1.119	43.0742	5353.9752	2	0.4	3	791	1341	563	791	142	150	954	1309	0.64
N+100.01	M19	0.9D+1.0Ey+0.3Ex	Top	856.0565	846.1679	8.1747	1.1259	11.07	1998.4451	2	0.4	3	791	1428	2330	1428	142	150	954	1786	0.47
N+100.01	M19	0.9D+1.0Ey+0.3Ex	Bottom	960.5279	846.1679	8.1747	1.1259	43.0984	5346.8121	2	0.4	3	791	1449	618	791	142	150	954	1309	0.65
N+100.01	M20	1.4D	Top	913.0274	3.4085	0.0112	0.0054	0.009	5.0326	2	0.4	3	791	1439	77777	1439	142	150	954	1795	0.00
N+100.01	M20	1.4D	Bottom	1075.5385	3.4085	0.0112	0.0054	0.0371	8.9763	2	0.4	3	791	1472	1920	1472	142	150	954	1819	0.00
N+100.01	M20	1.2D+1.6L+0.5Lr	Top	782.5771	3.1989	0.0115	0.0055	0.0089	4.4224	2	0.4	3	791	1413	14843	1413	142	150	954	1775	0.00
N+100.01	M20	1.2D+1.6L+0.5Lr	Bottom	921.8723	3.1989	0.0115	0.0055	0.0383	8.725	2	0.4	3	791	1441	1731	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.6L+0.5G	Top	782.5774	3.1977	0.0115	0.0055	0.0088	4.4183	2	0.4	3	791	1413	14746	1413	142	150	954	1775	0.00
N+100.01	M20	1.2D+1.6L+0.5G	Bottom	921.8726	3.1977	0.0115	0.0055	0.0382	8.7242	2	0.4	3	791	1441	1730	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.6L+0.5Le	Top	782.5776	3.1969	0.0114	0.0055	0.0088	4.4157	2	0.4	3	791	1413	14687	1413	142	150	954	1775	0.00
N+100.01	M20	1.2D+1.6L+0.5Le	Bottom	921.8728	3.1969	0.0114	0.0055	0.0382	8.7238	2	0.4	3	791	1441	1729	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.6Lr+1.0L	Top	782.582	3.1018	0.0109	0.0052	0.0086	4.4057	2	0.4	3	791	1413	22017	1413	142	150	954	1775	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M20	1.2D+1.6Lr+1.0L	Bottom	921.8772	3.1018	0.0109	0.0052	0.0361	8.3428	2	0.4	3	791	1441	1778	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.6G+1.0L	Top	782.583	3.098	0.0108	0.0052	0.0085	4.3924	2	0.4	3	791	1413	21326	1413	142	150	954	1775	0.00
N+100.01	M20	1.2D+1.6G+1.0L	Bottom	921.8782	3.098	0.0108	0.0052	0.0359	8.3404	2	0.4	3	791	1441	1775	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.6Le+1.0L	Top	782.5836	3.0956	0.0108	0.0052	0.0085	4.3841	2	0.4	3	791	1413	20919	1413	142	150	954	1775	0.00
N+100.01	M20	1.2D+1.6Le+1.0L	Bottom	921.8788	3.0956	0.0108	0.0052	0.0359	8.3388	2	0.4	3	791	1441	1773	1441	142	150	954	1796	0.00
N+100.01	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	699.1866	269.565	25.927	0.3965	35.5474	616.4824	2	0.4	3	791	1396	2433	1396	142	150	954	1763	0.15
N+100.01	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	838.4819	269.565	25.927	0.3965	137.079	1681.1195	2	0.4	3	791	1424	612	791	142	150	954	1309	0.21
N+100.01	M20	1.2D+1.0Ex+0.3Ey+1.0L	Top	865.9817	263.3786	25.9486	0.4068	35.5306	625.234	2	0.4	3	791	1430	2306	1430	142	150	954	1788	0.15
N+100.01	M20	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1005.277	263.3786	25.9486	0.4068	137.1506	1664.4449	2	0.4	3	791	1458	622	791	142	150	954	1309	0.20
N+100.01	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	514.1135	848.1095	8.0938	1.1168	11.2051	2002.3765	2	0.4	3	791	1359	2141	1359	142	150	954	1735	0.49
N+100.01	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	653.4087	848.1095	8.0938	1.1168	42.8839	5358.7298	2	0.4	3	791	1387	588	791	142	150	954	1309	0.65
N+100.01	M20	1.2D+1.0Ey+0.3Ex+1.0L	Top	1051.0549	841.9231	8.1153	1.1272	11.1883	2011.1281	2	0.4	3	791	1467	2371	1467	142	150	954	1816	0.46
N+100.01	M20	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1190.3501	841.9231	8.1153	1.1272	42.9555	5342.0552	2	0.4	3	791	1495	639	791	142	150	954	1309	0.64
N+100.01	M20	0.9D+1.0Ex+0.3Ey	Top	503.5486	268.6629	25.9306	0.3982	35.5448	617.6229	2	0.4	3	791	1357	2283	1357	142	150	954	1734	0.15
N+100.01	M20	0.9D+1.0Ex+0.3Ey	Bottom	608.02	268.6629	25.9306	0.3982	137.0909	1678.5527	2	0.4	3	791	1378	588	791	142	150	954	1309	0.21
N+100.01	M20	0.9D+1.0Ex+0.3Ey	Top	670.3437	264.2806	25.945	0.4051	35.5332	624.0935	2	0.4	3	791	1391	2227	1391	142	150	954	1759	0.15
N+100.01	M20	0.9D+1.0Ex+0.3Ey	Bottom	774.8152	264.2806	25.945	0.4051	137.1386	1667.0117	2	0.4	3	791	1411	600	791	142	150	954	1309	0.20
N+100.01	M20	0.9D+1.0Ey+0.3Ex	Top	318.4755	847.2075	8.0973	1.1186	11.2025	2003.517	2	0.4	3	791	1320	2024	1320	142	150	954	1706	0.50
N+100.01	M20	0.9D+1.0Ey+0.3Ex	Bottom	422.9469	847.2075	8.0973	1.1186	42.8959	5356.163	2	0.4	3	791	1341	564	791	142	150	954	1309	0.65
N+100.01	M20	0.9D+1.0Ey+0.3Ex	Top	855.4169	842.8251	8.1117	1.1255	11.1909	2009.9875	2	0.4	3	791	1428	2275	1428	142	150	954	1786	0.47
N+100.01	M20	0.9D+1.0Ey+0.3Ex	Bottom	959.8883	842.8251	8.1117	1.1255	42.9436	5344.622	2	0.4	3	791	1448	616	791	142	150	954	1309	0.64
N+100.01	M21	1.4D	Top	1002.2549	7.6072	0.014	0.0053	0.006	32.5145	6	0.4	3	791	1457	909	909	142	150	954	1398	0.01
N+100.01	M21	1.4D	Bottom	1164.766	7.6072	0.014	0.0053	0.0517	1.2491	6	0.4	3	791	1489	1231	1231	142	150	954	1639	0.00
N+100.01	M21	1.2D+1.6L+0.5Lr	Top	859.1167	6.245	0.0145	0.0054	0.0061	27.7673	6	0.4	3	791	1428	847	847	142	150	954	1351	0.00
N+100.01	M21	1.2D+1.6L+0.5Lr	Bottom	998.4119	6.245	0.0145	0.0054	0.0534	2.1004	6	0.4	3	791	1456	1379	1379	142	150	954	1750	0.00
N+100.01	M21	1.2D+1.6L+0.5G	Top	859.1159	6.2462	0.0145	0.0054	0.0061	27.7715	6	0.4	3	791	1428	847	847	142	150	954	1351	0.00
N+100.01	M21	1.2D+1.6L+0.5G	Bottom	998.4112	6.2462	0.0145	0.0054	0.0534	2.0996	6	0.4	3	791	1456	1379	1379	142	150	954	1750	0.00
N+100.01	M21	1.2D+1.6L+0.5Le	Top	859.1154	6.247	0.0144	0.0054	0.006	27.7742	6	0.4	3	791	1428	847	847	142	150	954	1351	0.00
N+100.01	M21	1.2D+1.6L+0.5Le	Bottom	998.4107	6.247	0.0144	0.0054	0.0533	2.0992	6	0.4	3	791	1456	1378	1378	142	150	954	1750	0.00
N+100.01	M21	1.2D+1.6Lr+1.0L	Top	859.1057	6.3412	0.0137	0.0051	0.0061	27.7811	6	0.4	3	791	1428	860	860	142	150	954	1361	0.00
N+100.01	M21	1.2D+1.6Lr+1.0L	Bottom	998.401	6.3412	0.0137	0.0051	0.0503	1.7188	6	0.4	3	791	1456	1293	1293	142	150	954	1686	0.00
N+100.01	M21	1.2D+1.6G+1.0L	Top	859.1033	6.3451	0.0136	0.0051	0.0059	27.7947	6	0.4	3	791	1428	861	861	142	150	954	1361	0.00
N+100.01	M21	1.2D+1.6G+1.0L	Bottom	998.3985	6.3451	0.0136	0.0051	0.0502	1.7163	6	0.4	3	791	1456	1293	1293	142	150	954	1685	0.00
N+100.01	M21	1.2D+1.6Le+1.0L	Top	859.1017	6.3475	0.0136	0.0051	0.0058	27.8031	6	0.4	3	791	1428	861	861	142	150	954	1361	0.00
N+100.01	M21	1.2D+1.6Le+1.0L	Bottom	998.397	6.3475	0.0136	0.0051	0.05	1.7147	6	0.4	3	791	1456	1292	1292	142	150	954	1685	0.00
N+100.01	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	658.3032	257.6981	26.1025	0.3924	35.8269	656.4595	6	0.4	3	791	1388	1867	1388	142	150	954	1757	0.15
N+100.01	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	797.5984	257.6981	26.1025	0.3924	138.0654	1672.347	6	0.4	3	791	1416	589	791	142	150	954	1309	0.20
N+100.01	M21	1.2D+1.0Ex+0.3Ey+1.0L	Top	1059.8972	270.398	26.1296	0.4026	35.8156	600.8362	6	0.4	3	791	1468	2871	1468	142	150	954	1817	0.15
N+100.01	M21	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1199.1925	270.398	26.1296	0.4026	138.1652	1668.9207	6	0.4	3	791	1496	655	791	142	150	954	1309	0.21
N+100.01	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	216.6117	830.551	8.6334	1.1168	11.9249	2059.5987	6	0.4	3	791	1300	1764	1300	142	150	954	1691	0.49
N+100.01	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	355.9069	830.551	8.6334	1.1168	45.7326	5345.0995	6	0.4	3	791	1328	550	791	142	150	954	1309	0.63
N+100.01	M21	1.2D+1.0Ey+0.3Ex+1.0L	Top	1501.5887	843.251	8.6605	1.127	11.9135	2003.9755	6	0.4	3	791	1557	2648	1557	142	150	954	1883	0.45
N+100.01	M21	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1640.884	843.251	8.6605	1.127	45.8324	5341.6732	6	0.4	3	791	1585	684	791	142	150	954	1309	0.64
N+100.01	M21	0.9D+1.0Ex+0.3Ey	Top	443.5097	259.1577	26.107	0.3941	35.8251	649.55	6	0.4	3	791	1345	1831	1345	142	150	954	1725	0.15
N+100.01	M21	0.9D+1.0Ex+0.3Ey	Bottom	547.9811	259.1577	26.107	0.3941	138.082	1671.4369	6	0.4	3	791	1366	568	791	142	150	954	1309	0.20
N+100.01	M21	0.9D+1.0Ex+0.3Ey	Top	845.1037	268.9384	26.1251	0.4009	35.8174	607.7457	6	0.4	3	791	1426	2604	1426	142	150	954	1785	0.15
N+100.01	M21	0.9D+1.0Ex+0.3Ey	Bottom	949.5752	268.9384	26.1251	0.4009	138.1485	1669.8309	6	0.4	3	791	1446	626	791	142	150	954	1309	0.21
N+100.01	M21	0.9D+1.0Ey+0.3Ex	Top	1.8182	832.0107	8.6379	1.1185	11.9231	2052.6893	6	0.4	3	791	1257	1677	1257	142	150	954	1658	0.50
N+100.01	M21	0.9D+1.0Ey+0.3Ex	Bottom	106.2896	832.0107	8.6379	1.1185	45.7493	5344.1894	6	0.4	3	791	1278	527	791	142	150	954	1309	0.64
N+100.01	M21	0.9D+1.0Ey+0.3Ex	Top	1286.7952	841.7913	8.656	1.1253	11.9153	2010.8849	6	0.4	3	791	1514	2498	1514	142	150	954	1851	0.45
N+100.01	M21	0.9D+1.0Ey+0.3Ex	Bottom	1391.2666	841.7913	8.656	1.1253	45.8157	5342.5834	6	0.4	3	791	1535	659	791	142	150	954	1309	0.64
N+100.01	M22	1.4D	Top	1043.7132	6.6007	0.0102	0.0017	0.0216	15.5938	2	0.4	3	791	1465	2432	1465	142	150	954	1815	0.00
N+100.01	M22	1.4D	Bottom	1206.2243	6.6007	0.0102	0.0017	0.0634	11.5351	2	0.4	3	791	1498	8211	1498	142	150	954	1839	0.00
N+100.01	M22	1.2D+1.6L+0.5Lr	Top	894.5866	5.9306	0.0121	0.0023	0.018	13.4594	2	0.4	3	791	1435	2605	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6L+0.5Lr	Bottom	1033.8818	5.9306	0.0121	0.0023	0.0676	10.9155	2	0.4	3	791	1463	5790	1463	142	150	954	1813	0.00
N+100.01	M22	1.2D+1.6L+0.5G	Top	894.5871	5.9294	0.012	0.0023	0.0181	13.4551	2	0.4	3	791	1435	2606	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6L+0.5G	Bottom	1033.8823	5.9294	0.012	0.0023	0.0675	10.9147	2	0.4	3	791	1463	5786	1463	142	150	954	1813	0.00
N+100.01	M22	1.2D+1.6L+0.5Le	Top	894.5874	5.9286	0.012	0.0023	0.0181	13.4524	2	0.4	3	791	1435	2606	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6L+0.5Le	Bottom	1033.8826	5.9286	0.012	0.0023	0.0675	10.9142	2	0.4	3	791	1463	5783	1463	142	150	954	1813	0.00
N+100.01	M22	1.2D+1.6Lr+1.0L	Top	894.5931	5.8355	0.0111	0.002	0.0176	13.4493	2	0.4	3	791	1435	2501	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6Lr+1.0L	Bottom	1033.8884	5.8355	0.0111	0.002	0.0632	10.5345	2	0.4	3	791	1463	6432	1463	142	150	954	1813	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M22	1.2D+1.6G+1.0L	Top	894.5946	5.8315	0.0109	0.002	0.0179	13.4356	2	0.4	3	791	1435	2503	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6G+1.0L	Bottom	1033.8899	5.8315	0.0109	0.002	0.0629	10.5319	2	0.4	3	791	1463	6416	1463	142	150	954	1813	0.00
N+100.01	M22	1.2D+1.6Le+1.0L	Top	894.5956	5.829	0.0109	0.002	0.0181	13.427	2	0.4	3	791	1435	2505	1435	142	150	954	1792	0.00
N+100.01	M22	1.2D+1.6Le+1.0L	Bottom	1033.8908	5.829	0.0109	0.002	0.0627	10.5304	2	0.4	3	791	1463	6406	1463	142	150	954	1813	0.00
N+100.01	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	771.9131	263.8726	26.1972	0.4046	36.8791	635.1084	2	0.4	3	791	1411	2181	1411	142	150	954	1774	0.15
N+100.01	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	911.2084	263.8726	26.1972	0.4046	139.4196	1677.7559	2	0.4	3	791	1439	610	791	142	150	954	1309	0.20
N+100.01	M22	1.2D+1.0Ex+0.3Ey+1.0L	Top	1017.2799	252.2194	26.2187	0.4086	36.9157	661.9452	2	0.4	3	791	1460	1909	1460	142	150	954	1811	0.14
N+100.01	M22	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1156.5751	252.2194	26.2187	0.4086	139.5446	1656.6983	2	0.4	3	791	1488	618	791	142	150	954	1309	0.19
N+100.01	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	500.1361	824.6121	9.4734	1.0858	13.307	2081.6889	2	0.4	3	791	1357	1830	1357	142	150	954	1733	0.48
N+100.01	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	639.4313	824.6121	9.4734	1.0858	50.4128	5342.8856	2	0.4	3	791	1384	575	791	142	150	954	1309	0.63
N+100.01	M22	1.2D+1.0Ey+0.3Ex+1.0L	Top	1289.0569	812.9589	9.4949	1.0898	13.3436	2108.5256	2	0.4	3	791	1514	2075	1514	142	150	954	1851	0.44
N+100.01	M22	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1428.3521	812.9589	9.4949	1.0898	50.5379	5321.8281	2	0.4	3	791	1542	645	791	142	150	954	1309	0.62
N+100.01	M22	0.9D+1.0Ex+0.3Ey	Top	548.2751	262.2893	26.2014	0.4056	36.8835	638.5022	2	0.4	3	791	1366	2009	1366	142	150	954	1740	0.15
N+100.01	M22	0.9D+1.0Ex+0.3Ey	Bottom	652.7465	262.2893	26.2014	0.4056	139.4413	1674.6425	2	0.4	3	791	1387	583	791	142	150	954	1309	0.20
N+100.01	M22	0.9D+1.0Ex+0.3Ey	Top	793.6418	253.8027	26.2145	0.4077	36.9113	658.5514	2	0.4	3	791	1415	1856	1415	142	150	954	1777	0.14
N+100.01	M22	0.9D+1.0Ex+0.3Ey	Bottom	898.1132	253.8027	26.2145	0.4077	139.5229	1659.8117	2	0.4	3	791	1436	595	791	142	150	954	1309	0.19
N+100.01	M22	0.9D+1.0Ey+0.3Ex	Top	276.4981	823.0288	9.4776	1.0867	13.3114	2085.0827	2	0.4	3	791	1312	1712	1312	142	150	954	1700	0.48
N+100.01	M22	0.9D+1.0Ey+0.3Ex	Bottom	380.9695	823.0288	9.4776	1.0867	50.4346	5339.7723	2	0.4	3	791	1333	549	791	142	150	954	1309	0.63
N+100.01	M22	0.9D+1.0Ey+0.3Ex	Top	1065.4189	814.5422	9.4907	1.0889	13.3392	2105.1319	2	0.4	3	791	1470	1992	1470	142	150	954	1818	0.45
N+100.01	M22	0.9D+1.0Ey+0.3Ex	Bottom	1169.8903	814.5422	9.4907	1.0889	50.5161	5324.9414	2	0.4	3	791	1490	621	791	142	150	954	1309	0.62
N+100.01	M23	1.4D	Top	867.3923	4.8419	0.3468	0.2394	1.005	9.9342	1	0.4	3	791	1430	3518	1430	142	150	954	1788	0.00
N+100.01	M23	1.4D	Bottom	1029.9034	4.8419	0.3468	0.2394	0.4205	9.9661	1	0.4	3	791	1462	3619	1462	142	150	954	1813	0.00
N+100.01	M23	1.2D+1.6L+0.5Lr	Top	743.5655	4.4251	0.2935	0.2043	0.8618	8.6164	1	0.4	3	791	1405	4153	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6L+0.5Lr	Bottom	882.8607	4.4251	0.2935	0.2043	0.3444	9.5707	1	0.4	3	791	1433	2978	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.6L+0.5G	Top	743.5603	4.4237	0.2935	0.2044	0.8619	8.6114	1	0.4	3	791	1405	4158	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6L+0.5G	Bottom	882.8555	4.4237	0.2935	0.2044	0.3445	9.5699	1	0.4	3	791	1433	2976	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.6L+0.5Le	Top	743.557	4.4228	0.2936	0.2044	0.862	8.6083	1	0.4	3	791	1405	4160	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6L+0.5Le	Bottom	882.8522	4.4228	0.2936	0.2044	0.3446	9.5693	1	0.4	3	791	1433	2975	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.6Lr+1.0L	Top	743.5633	4.3303	0.2946	0.2046	0.8611	8.6074	1	0.4	3	791	1405	3827	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6Lr+1.0L	Bottom	882.8585	4.3303	0.2946	0.2046	0.3498	9.1901	1	0.4	3	791	1433	3157	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.6G+1.0L	Top	743.5466	4.3257	0.2948	0.2046	0.8614	8.5914	1	0.4	3	791	1405	3839	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6G+1.0L	Bottom	882.8418	4.3257	0.2948	0.2046	0.3501	9.1873	1	0.4	3	791	1433	3150	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.6Le+1.0L	Top	743.5362	4.3229	0.2949	0.2047	0.8616	8.5814	1	0.4	3	791	1405	3846	1405	142	150	954	1770	0.00
N+100.01	M23	1.2D+1.6Le+1.0L	Bottom	882.8314	4.3229	0.2949	0.2047	0.3503	9.1856	1	0.4	3	791	1433	3145	1433	142	150	954	1790	0.00
N+100.01	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	-375.8762	311.9127	35.815	9.5097	24.2209	685.8151	1	0.4	3	791	1181	1973	1181	142	150	954	1602	0.19
N+100.01	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	-236.581	311.9127	35.815	9.5097	151.0241	1704.1693	1	0.4	3	791	1209	556	791	142	150	954	1309	0.24
N+100.01	M23	1.2D+1.0Ex+0.3Ey+1.0L	Top	1862.9277	303.2727	35.2251	9.1003	25.9445	702.9578	1	0.4	3	791	1629	3033	1629	142	150	954	1938	0.16
N+100.01	M23	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	2002.2229	303.2727	35.2251	9.1003	150.3231	1685.8016	1	0.4	3	791	1657	813	813	142	150	954	1326	0.23
N+100.01	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	298.4752	883.8534	16.2878	7.556	27.2333	1929.527	1	0.4	3	791	1316	2486	1316	142	150	954	1703	0.52
N+100.01	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	437.7704	883.8534	16.2878	7.556	52.8418	5371.8169	1	0.4	3	791	1344	584	791	142	150	954	1309	0.68
N+100.01	M23	1.2D+1.0Ey+0.3Ex+1.0L	Top	1188.5763	875.2133	15.6979	7.1466	28.9569	1946.6697	1	0.4	3	791	1494	2948	1494	142	150	954	1836	0.48
N+100.01	M23	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1327.8715	875.2133	15.6979	7.1466	52.1407	5353.4491	1	0.4	3	791	1522	673	791	142	150	954	1309	0.67
N+100.01	M23	0.9D+1.0Ex+0.3Ey	Top	-561.7927	310.7054	35.743	9.4589	24.4366	688.0002	1	0.4	3	791	1144	1810	1144	142	150	954	1574	0.20
N+100.01	M23	0.9D+1.0Ex+0.3Ey	Bottom	-457.3212	310.7054	35.743	9.4589	150.9439	1701.3922	1	0.4	3	791	1165	529	791	142	150	954	1309	0.24
N+100.01	M23	0.9D+1.0Ex+0.3Ey	Top	1677.0113	304.4801	35.2971	9.1511	25.7288	700.7727	1	0.4	3	791	1592	2979	1592	142	150	954	1910	0.16
N+100.01	M23	0.9D+1.0Ex+0.3Ey	Bottom	1781.4827	304.4801	35.2971	9.1511	150.4033	1688.5787	1	0.4	3	791	1613	789	791	142	150	954	1309	0.23
N+100.01	M23	0.9D+1.0Ey+0.3Ex	Top	112.5588	882.646	16.2158	7.5052	27.449	1931.7121	1	0.4	3	791	1279	2339	1279	142	150	954	1675	0.53
N+100.01	M23	0.9D+1.0Ey+0.3Ex	Bottom	217.0302	882.646	16.2158	7.5052	52.7615	5369.0397	1	0.4	3	791	1300	560	791	142	150	954	1309	0.67
N+100.01	M23	0.9D+1.0Ey+0.3Ex	Top	1002.6599	876.4207	15.7699	7.1974	28.7412	1944.4846	1	0.4	3	791	1457	2845	1457	142	150	954	1808	0.48
N+100.01	M23	0.9D+1.0Ey+0.3Ex	Bottom	1107.1313	876.4207	15.7699	7.1974	52.2209	5356.2262	1	0.4	3	791	1478	651	791	142	150	954	1309	0.67
N+100.01	M24	1.4D	Top	868.2451	4.7878	0.3352	0.2392	1.0404	12.9965	1	0.4	3	791	1430	1725	1430	142	150	954	1788	0.00
N+100.01	M24	1.4D	Bottom	1030.7562	4.7878	0.3352	0.2392	0.3372	6.6813	1	0.4	3	791	1463	17859	1463	142	150	954	1813	0.00
N+100.01	M24	1.2D+1.6L+0.5Lr	Top	744.2719	4.2451	0.2784	0.2057	0.8847	11.0284	1	0.4	3	791	1405	1830	1405	142	150	954	1770	0.00
N+100.01	M24	1.2D+1.6L+0.5Lr	Bottom	883.5671	4.2451	0.2784	0.2057	0.2594	6.4188	1	0.4	3	791	1433	151300	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.6L+0.5G	Top	744.2704	4.2445	0.2784	0.2056	0.8849	11.0287	1	0.4	3	791	1405	1829	1405	142	150	954	1770	0.00
N+100.01	M24	1.2D+1.6L+0.5G	Bottom	883.5657	4.2445	0.2784	0.2056	0.2595	6.4163	1	0.4	3	791	1433	156156	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.6L+0.5Le	Top	744.2695	4.2442	0.2785	0.2056	0.885	11.029	1	0.4	3	791	1405	1829	1405	142	150	954	1770	0.00
N+100.01	M24	1.2D+1.6L+0.5Le	Bottom	883.5648	4.2442	0.2785	0.2056	0.2596	6.4148	1	0.4	3	791	1433	159521	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.6Lr+1.0L	Top	744.257	4.1951	0.2813	0.2055	0.8863	11.0683	1	0.4	3	791	1405	1773	1405	142	150	954	1770	0.00
N+100.01	M24	1.2D+1.6Lr+1.0L	Bottom	883.5522	4.1951	0.2813	0.2055	0.2699	6.1734	1	0.4	3	791	1433	63801	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.6G+1.0L	Top	744.2524	4.1934	0.2815	0.2054	0.8869	11.0694	1	0.4	3	791	1405	1771	1405	142	150	954	1770	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M24	1.2D+1.6G+1.0L	Bottom	883.5476	4.1934	0.2815	0.2054	0.2702	6.1656	1	0.4	3	791	1433	61076	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.6Le+1.0L	Top	744.2495	4.1924	0.2817	0.2054	0.8872	11.07	1	0.4	3	791	1405	1770	1405	142	150	954	1770	0.00
N+100.01	M24	1.2D+1.6Le+1.0L	Bottom	883.5448	4.1924	0.2817	0.2054	0.2705	6.1607	1	0.4	3	791	1433	59432	1433	142	150	954	1791	0.00
N+100.01	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	443.6651	988.8596	17.975	8.8472	30.6188	2308.0106	1	0.4	3	791	1345	2162	1345	142	150	954	1725	0.57
N+100.01	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	582.9604	988.8596	17.975	8.8472	53.0686	6229.2654	1	0.4	3	791	1373	582	791	142	150	954	1309	0.76
N+100.01	M24	1.2D+1.0Ex+0.3Ey+1.0L	Top	1044.8282	980.4769	18.5386	9.258	28.8436	2330.1519	1	0.4	3	791	1465	2398	1465	142	150	954	1815	0.54
N+100.01	M24	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1184.1235	980.4769	18.5386	9.258	53.6099	6216.9537	1	0.4	3	791	1493	639	791	142	150	954	1309	0.75
N+100.01	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	-179.8331	369.8772	32.206	7.4046	25.6237	979.9747	1	0.4	3	791	1221	1372	1221	142	150	954	1631	0.23
N+100.01	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-40.5379	369.8772	32.206	7.4046	135.2313	2424.593	1	0.4	3	791	1248	505	791	142	150	954	1309	0.28
N+100.01	M24	1.2D+1.0Ey+0.3Ex+1.0L	Top	1668.3265	361.4944	32.7696	7.8154	23.8485	1002.1161	1	0.4	3	791	1590	1960	1590	142	150	954	1908	0.19
N+100.01	M24	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1807.6217	361.4944	32.7696	7.8154	135.7726	2412.2813	1	0.4	3	791	1618	670	791	142	150	954	1309	0.28
N+100.01	M24	0.9D+1.0Ex+0.3Ey	Top	257.576	987.7461	18.0414	8.8988	30.4	2310.7264	1	0.4	3	791	1308	2043	1308	142	150	954	1697	0.58
N+100.01	M24	0.9D+1.0Ex+0.3Ey	Bottom	362.0474	987.7461	18.0414	8.8988	53.1225	6227.4046	1	0.4	3	791	1329	559	791	142	150	954	1309	0.75
N+100.01	M24	0.9D+1.0Ex+0.3Ey	Top	858.7391	981.5904	18.4723	9.2063	29.0623	2327.4361	1	0.4	3	791	1428	2309	1428	142	150	954	1787	0.55
N+100.01	M24	0.9D+1.0Ex+0.3Ey	Bottom	963.2105	981.5904	18.4723	9.2063	53.5561	6218.8144	1	0.4	3	791	1449	617	791	142	150	954	1309	0.75
N+100.01	M24	0.9D+1.0Ey+0.3Ex	Top	-365.9223	368.7637	32.2723	7.4562	25.4049	982.6905	1	0.4	3	791	1183	1280	1183	142	150	954	1603	0.23
N+100.01	M24	0.9D+1.0Ey+0.3Ex	Bottom	-261.4508	368.7637	32.2723	7.4562	135.2852	2422.7322	1	0.4	3	791	1204	483	791	142	150	954	1309	0.28
N+100.01	M24	0.9D+1.0Ey+0.3Ex	Top	1482.2373	362.6079	32.7032	7.7638	24.0673	999.4003	1	0.4	3	791	1553	1911	1553	142	150	954	1880	0.19
N+100.01	M24	0.9D+1.0Ey+0.3Ex	Bottom	1586.7088	362.6079	32.7032	7.7638	135.7187	2414.142	1	0.4	3	791	1574	651	791	142	150	954	1309	0.28
N+100.01	M25	1.4D	Top	1043.1693	6.6161	0.0188	0.0091	0.0907	18.8857	4	0.4	3	791	1465	1633	1465	142	150	954	1815	0.00
N+100.01	M25	1.4D	Bottom	1205.6804	6.6161	0.0188	0.0091	0.1681	8.3065	4	0.4	3	791	1498	7844	1498	142	150	954	1839	0.00
N+100.01	M25	1.2D+1.6L+0.5Lr	Top	894.1059	5.8134	0.0253	0.0087	0.072	16.0798	4	0.4	3	791	1435	1674	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6L+0.5Lr	Bottom	1033.4012	5.8134	0.0253	0.0087	0.1762	7.8133	4	0.4	3	791	1463	11898	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.6L+0.5G	Top	894.1083	5.8131	0.0253	0.0087	0.0723	16.0808	4	0.4	3	791	1435	1674	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6L+0.5G	Bottom	1033.4035	5.8131	0.0253	0.0087	0.1761	7.811	4	0.4	3	791	1463	11872	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.6L+0.5Le	Top	894.1097	5.8129	0.0252	0.0087	0.0724	16.0814	4	0.4	3	791	1435	1674	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6L+0.5Le	Bottom	1033.405	5.8129	0.0252	0.0087	0.176	7.8095	4	0.4	3	791	1463	11856	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.6Lr+1.0L	Top	894.1071	5.7619	0.0224	0.0084	0.0729	16.1144	4	0.4	3	791	1435	1640	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6Lr+1.0L	Bottom	1033.4023	5.7619	0.0224	0.0084	0.1649	7.5669	4	0.4	3	791	1463	9900	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.6G+1.0L	Top	894.1145	5.7608	0.0221	0.0084	0.0736	16.1177	4	0.4	3	791	1435	1639	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6G+1.0L	Bottom	1033.4098	5.7608	0.0221	0.0084	0.1645	7.5594	4	0.4	3	791	1463	9843	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.6Le+1.0L	Top	894.1192	5.7602	0.0219	0.0084	0.0741	16.1197	4	0.4	3	791	1435	1638	1435	142	150	954	1792	0.00
N+100.01	M25	1.2D+1.6Le+1.0L	Bottom	1033.4145	5.7602	0.0219	0.0084	0.1642	7.5547	4	0.4	3	791	1463	9807	1463	142	150	954	1813	0.00
N+100.01	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	407.9587	934.3062	7.4552	0.4452	9.9902	2507.2112	4	0.4	3	791	1338	1578	1338	142	150	954	1719	0.54
N+100.01	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	547.254	934.3062	7.4552	0.4452	39.1379	6205.4089	4	0.4	3	791	1366	555	791	142	150	954	1309	0.71
N+100.01	M25	1.2D+1.0Ex+0.3Ey+1.0L	Top	1380.2891	922.7872	7.4116	0.462	9.8412	2539.4545	4	0.4	3	791	1533	1877	1533	142	150	954	1865	0.49
N+100.01	M25	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1519.5843	922.7872	7.4116	0.462	38.81	6190.309	4	0.4	3	791	1560	641	791	142	150	954	1309	0.70
N+100.01	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	704.3038	370.5717	23.8891	1.1212	32.2562	966.309	4	0.4	3	791	1397	1798	1397	142	150	954	1764	0.21
N+100.01	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	843.599	370.5717	23.8891	1.1212	125.6009	2434.2033	4	0.4	3	791	1425	588	791	142	150	954	1309	0.28
N+100.01	M25	1.2D+1.0Ey+0.3Ex+1.0L	Top	1083.944	359.0527	23.8455	1.138	32.1072	998.5524	4	0.4	3	791	1473	1729	1473	142	150	954	1821	0.20
N+100.01	M25	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1223.2392	359.0527	23.8455	1.138	125.273	2419.1034	4	0.4	3	791	1501	611	791	142	150	954	1309	0.27
N+100.01	M25	0.9D+1.0Ex+0.3Ey	Top	184.4436	932.7999	7.4455	0.4477	9.9741	2511.1921	4	0.4	3	791	1293	1478	1293	142	150	954	1686	0.55
N+100.01	M25	0.9D+1.0Ex+0.3Ey	Bottom	288.9151	932.7999	7.4455	0.4477	39.082	6203.1988	4	0.4	3	791	1314	531	791	142	150	954	1309	0.71
N+100.01	M25	0.9D+1.0Ex+0.3Ey	Top	1156.774	924.2935	7.4213	0.4594	9.8574	2535.4737	4	0.4	3	791	1488	1802	1488	142	150	954	1832	0.50
N+100.01	M25	0.9D+1.0Ex+0.3Ey	Bottom	1261.2454	924.2935	7.4213	0.4594	38.8659	6192.5191	4	0.4	3	791	1509	618	791	142	150	954	1309	0.71
N+100.01	M25	0.9D+1.0Ey+0.3Ex	Top	480.7887	369.0654	23.8794	1.1237	32.24	970.2899	4	0.4	3	791	1353	1674	1353	142	150	954	1730	0.21
N+100.01	M25	0.9D+1.0Ey+0.3Ex	Bottom	585.2601	369.0654	23.8794	1.1237	125.545	2431.9932	4	0.4	3	791	1374	562	791	142	150	954	1309	0.28
N+100.01	M25	0.9D+1.0Ey+0.3Ex	Top	860.4289	360.559	23.8552	1.1354	32.1233	994.5715	4	0.4	3	791	1429	1670	1429	142	150	954	1787	0.20
N+100.01	M25	0.9D+1.0Ey+0.3Ex	Bottom	964.9003	360.559	23.8552	1.1354	125.3289	2421.3135	4	0.4	3	791	1449	589	791	142	150	954	1309	0.28
N+100.01	M26	1.4D	Top	1137.3698	0.8224	0.0336	0.0055	0.0676	0.6465	6	0.4	3	791	1484	2488	1484	142	150	954	1829	0.00
N+100.01	M26	1.4D	Bottom	1299.8809	0.8224	0.0336	0.0055	0.2056	4.0267	6	0.4	3	791	1516	827	827	142	150	954	1336	0.00
N+100.01	M26	1.2D+1.6L+0.5Lr	Top	974.8883	0.8465	0.0389	0.0056	0.0526	0.6649	6	0.4	3	791	1451	2376	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6L+0.5Lr	Bottom	1114.1836	0.8465	0.0389	0.0056	0.2126	4.1442	6	0.4	3	791	1479	801	801	142	150	954	1317	0.00
N+100.01	M26	1.2D+1.6L+0.5G	Top	974.8883	0.8461	0.0388	0.0056	0.0528	0.6642	6	0.4	3	791	1451	2374	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6L+0.5G	Bottom	1114.1836	0.8461	0.0388	0.0056	0.2124	4.1418	6	0.4	3	791	1479	801	801	142	150	954	1317	0.00
N+100.01	M26	1.2D+1.6L+0.5Le	Top	974.8883	0.8459	0.0388	0.0056	0.053	0.6637	6	0.4	3	791	1451	2373	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6L+0.5Le	Bottom	1114.1836	0.8459	0.0388	0.0056	0.2123	4.1403	6	0.4	3	791	1479	802	802	142	150	954	1317	0.00
N+100.01	M26	1.2D+1.6Lr+1.0L	Top	974.8884	0.7958	0.0357	0.0053	0.053	0.6277	6	0.4	3	791	1451	2388	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6Lr+1.0L	Bottom	1114.1836	0.7958	0.0357	0.0053	0.1999	3.8983	6	0.4	3	791	1479	801	801	142	150	954	1316	0.00
N+100.01	M26	1.2D+1.6G+1.0L	Top	974.8884	0.7945	0.0354	0.0053	0.0539	0.6253	6	0.4	3	791	1451	2382	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6G+1.0L	Bottom	1114.1836	0.7945	0.0354	0.0053	0.1994	3.8906	6	0.4	3	791	1479	801	801	142	150	954	1317	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M26	1.2D+1.6Le+1.0L	Top	974.8884	0.7937	0.0352	0.0053	0.0544	0.6238	6	0.4	3	791	1451	2378	1451	142	150	954	1804	0.00
N+100.01	M26	1.2D+1.6Le+1.0L	Bottom	1114.1836	0.7937	0.0352	0.0053	0.199	3.8858	6	0.4	3	791	1479	801	801	142	150	954	1317	0.00
N+100.01	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	972.6834	922.8448	7.6867	0.3971	10.0784	2541.9798	6	0.4	3	791	1451	1718	1451	142	150	954	1804	0.51
N+100.01	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1111.9787	922.8448	7.6867	0.3971	40.141	6195.0445	6	0.4	3	791	1479	603	791	142	150	954	1309	0.70
N+100.01	M26	1.2D+1.0Ex+0.3Ey+1.0L	Top	977.0933	921.259	7.6168	0.4077	9.9684	2540.7351	6	0.4	3	791	1452	1715	1452	142	150	954	1805	0.51
N+100.01	M26	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1116.3885	921.259	7.6168	0.4077	39.7436	6187.2823	6	0.4	3	791	1480	603	791	142	150	954	1309	0.70
N+100.01	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	972.3649	362.6878	24.7462	1.1219	32.7353	991.8734	6	0.4	3	791	1451	1741	1451	142	150	954	1804	0.20
N+100.01	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1111.6602	362.6878	24.7462	1.1219	129.5435	2427.9118	6	0.4	3	791	1479	604	791	142	150	954	1309	0.28
N+100.01	M26	1.2D+1.0Ey+0.3Ex+1.0L	Top	977.4118	361.102	24.6763	1.1325	32.6254	990.6288	6	0.4	3	791	1452	1733	1452	142	150	954	1805	0.20
N+100.01	M26	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1116.707	361.102	24.6763	1.1325	129.1461	2420.1496	6	0.4	3	791	1480	604	791	142	150	954	1309	0.28
N+100.01	M26	0.9D+1.0Ex+0.3Ey	Top	728.9614	922.5806	7.6733	0.3988	10.0669	2541.773	6	0.4	3	791	1402	1624	1402	142	150	954	1767	0.52
N+100.01	M26	0.9D+1.0Ex+0.3Ey	Bottom	833.4328	922.5806	7.6733	0.3988	40.0744	6193.752	6	0.4	3	791	1423	577	791	142	150	954	1309	0.70
N+100.01	M26	0.9D+1.0Ex+0.3Ey	Top	733.3712	921.5232	7.6302	0.4059	9.9799	2540.9418	6	0.4	3	791	1403	1623	1403	142	150	954	1768	0.52
N+100.01	M26	0.9D+1.0Ex+0.3Ey	Bottom	837.8426	921.5232	7.6302	0.4059	39.8101	6188.5748	6	0.4	3	791	1424	577	791	142	150	954	1309	0.70
N+100.01	M26	0.9D+1.0Ey+0.3Ex	Top	728.6428	362.4236	24.7328	1.1236	32.7238	991.6667	6	0.4	3	791	1402	1645	1402	142	150	954	1767	0.21
N+100.01	M26	0.9D+1.0Ey+0.3Ex	Bottom	833.1143	362.4236	24.7328	1.1236	129.477	2426.6193	6	0.4	3	791	1423	578	791	142	150	954	1309	0.28
N+100.01	M26	0.9D+1.0Ey+0.3Ex	Top	733.6897	361.3662	24.6896	1.1307	32.6369	990.8355	6	0.4	3	791	1403	1640	1403	142	150	954	1768	0.20
N+100.01	M26	0.9D+1.0Ey+0.3Ex	Bottom	838.1611	361.3662	24.6896	1.1307	129.2127	2421.4421	6	0.4	3	791	1424	578	791	142	150	954	1309	0.28
N+100.01	M27	1.4D	Top	1136.1394	0.7778	0.0393	0.0054	0.0691	0.8014	2	0.4	3	791	1484	3901	1484	142	150	954	1828	0.00
N+100.01	M27	1.4D	Bottom	1298.6505	0.7778	0.0393	0.0054	0.2307	3.9982	2	0.4	3	791	1516	787	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6L+0.5Lr	Top	973.8338	0.8083	0.0448	0.0055	0.0541	0.7975	2	0.4	3	791	1451	3397	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6L+0.5Lr	Bottom	1113.129	0.8083	0.0448	0.0055	0.2382	4.1198	2	0.4	3	791	1479	769	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6L+0.5G	Top	973.8338	0.8079	0.0447	0.0055	0.0544	0.7968	2	0.4	3	791	1451	3395	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6L+0.5G	Bottom	1113.129	0.8079	0.0447	0.0055	0.238	4.1174	2	0.4	3	791	1479	769	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6L+0.5Le	Top	973.8338	0.8077	0.0446	0.0055	0.0546	0.7963	2	0.4	3	791	1451	3392	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6L+0.5Le	Bottom	1113.129	0.8077	0.0446	0.0055	0.2379	4.1159	2	0.4	3	791	1479	770	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6Lr+1.0L	Top	973.8338	0.7575	0.0414	0.0052	0.0542	0.7603	2	0.4	3	791	1451	3522	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6Lr+1.0L	Bottom	1113.129	0.7575	0.0414	0.0052	0.2242	3.8738	2	0.4	3	791	1479	767	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6G+1.0L	Top	973.8338	0.7563	0.041	0.0052	0.0552	0.758	2	0.4	3	791	1451	3511	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6G+1.0L	Bottom	1113.129	0.7563	0.041	0.0052	0.2236	3.8662	2	0.4	3	791	1479	767	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.6Le+1.0L	Top	973.8338	0.7555	0.0407	0.0052	0.0558	0.7565	2	0.4	3	791	1451	3504	1451	142	150	954	1804	0.00
N+100.01	M27	1.2D+1.6Le+1.0L	Bottom	1113.129	0.7555	0.0407	0.0052	0.2231	3.8614	2	0.4	3	791	1479	767	791	142	150	954	1309	0.00
N+100.01	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	973.7699	922.9976	7.8652	0.3973	10.4127	2541.2964	2	0.4	3	791	1451	1720	1451	142	150	954	1804	0.51
N+100.01	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1113.0652	922.9976	7.8652	0.3973	41.177	6195.0408	2	0.4	3	791	1479	603	791	142	150	954	1309	0.71
N+100.01	M27	1.2D+1.0Ex+0.3Ey+1.0L	Top	973.8976	921.4883	7.7843	0.4077	10.2998	2539.7863	2	0.4	3	791	1451	1716	1451	142	150	954	1804	0.51
N+100.01	M27	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1113.1928	921.4883	7.7843	0.4077	40.7315	6187.3275	2	0.4	3	791	1479	603	791	142	150	954	1309	0.70
N+100.01	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	973.6261	362.8191	25.4457	1.1182	33.8103	991.2704	2	0.4	3	791	1451	1745	1451	142	150	954	1804	0.20
N+100.01	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1112.9213	362.8191	25.4457	1.1182	133.3795	2427.9389	2	0.4	3	791	1479	604	791	142	150	954	1309	0.28
N+100.01	M27	1.2D+1.0Ey+0.3Ex+1.0L	Top	974.0415	361.3098	25.3648	1.1286	33.6974	989.7604	2	0.4	3	791	1451	1736	1451	142	150	954	1804	0.20
N+100.01	M27	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1113.3367	361.3098	25.3648	1.1286	132.934	2420.2256	2	0.4	3	791	1479	604	791	142	150	954	1309	0.28
N+100.01	M27	0.9D+1.0Ex+0.3Ey	Top	730.3115	922.743	7.8501	0.399	10.4006	2541.0565	2	0.4	3	791	1403	1626	1403	142	150	954	1768	0.52
N+100.01	M27	0.9D+1.0Ex+0.3Ey	Bottom	834.7829	922.743	7.8501	0.399	41.1025	6193.7544	2	0.4	3	791	1423	577	791	142	150	954	1309	0.70
N+100.01	M27	0.9D+1.0Ex+0.3Ey	Top	730.4392	921.743	7.7995	0.406	10.3118	2540.0262	2	0.4	3	791	1403	1624	1403	142	150	954	1768	0.52
N+100.01	M27	0.9D+1.0Ex+0.3Ey	Bottom	834.9106	921.743	7.7995	0.406	40.806	6188.6139	2	0.4	3	791	1424	577	791	142	150	954	1309	0.70
N+100.01	M27	0.9D+1.0Ey+0.3Ex	Top	730.1676	362.5645	25.4306	1.12	33.7982	991.0306	2	0.4	3	791	1403	1649	1403	142	150	954	1768	0.21
N+100.01	M27	0.9D+1.0Ey+0.3Ex	Bottom	834.639	362.5645	25.4306	1.12	133.305	2426.6526	2	0.4	3	791	1423	579	791	142	150	954	1309	0.28
N+100.01	M27	0.9D+1.0Ey+0.3Ex	Top	730.583	361.5644	25.38	1.1269	33.7094	990.0002	2	0.4	3	791	1403	1644	1403	142	150	954	1768	0.20
N+100.01	M27	0.9D+1.0Ey+0.3Ex	Bottom	835.0545	361.5644	25.38	1.1269	133.0085	2421.512	2	0.4	3	791	1424	578	791	142	150	954	1309	0.28
N+100.01	M28	1.4D	Top	1137.3648	0.7332	0.044	0.0053	0.0735	0.9563	6	0.4	3	791	1484	9690	1484	142	150	954	1829	0.00
N+100.01	M28	1.4D	Bottom	1299.8759	0.7332	0.044	0.0053	0.2542	3.9698	6	0.4	3	791	1516	749	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6L+0.5Lr	Top	974.8835	0.7701	0.0497	0.0054	0.0582	0.9303	6	0.4	3	791	1451	6152	1451	142	150	954	1804	0.00
N+100.01	M28	1.2D+1.6L+0.5Lr	Bottom	1114.1788	0.7701	0.0497	0.0054	0.2626	4.0954	6	0.4	3	791	1479	738	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6L+0.5G	Top	974.8836	0.7697	0.0496	0.0054	0.0585	0.9295	6	0.4	3	791	1451	6143	1451	142	150	954	1804	0.00
N+100.01	M28	1.2D+1.6L+0.5G	Bottom	1114.1788	0.7697	0.0496	0.0054	0.2623	4.0931	6	0.4	3	791	1479	738	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6L+0.5Le	Top	974.8836	0.7695	0.0495	0.0054	0.0588	0.9291	6	0.4	3	791	1451	6138	1451	142	150	954	1804	0.00
N+100.01	M28	1.2D+1.6L+0.5Le	Bottom	1114.1788	0.7695	0.0495	0.0054	0.2622	4.0916	6	0.4	3	791	1479	739	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6Lr+1.0L	Top	974.8836	0.7193	0.0461	0.0051	0.0579	0.8931	6	0.4	3	791	1451	6982	1451	142	150	954	1804	0.00
N+100.01	M28	1.2D+1.6Lr+1.0L	Bottom	1114.1788	0.7193	0.0461	0.0051	0.2473	3.8495	6	0.4	3	791	1479	734	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6G+1.0L	Top	974.8837	0.718	0.0456	0.0051	0.059	0.8907	6	0.4	3	791	1451	6951	1451	142	150	954	1804	0.00
N+100.01	M28	1.2D+1.6G+1.0L	Bottom	1114.1789	0.718	0.0456	0.0051	0.2465	3.8419	6	0.4	3	791	1479	734	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.6Le+1.0L	Top	974.8837	0.7172	0.0453	0.0051	0.0598	0.8892	6	0.4	3	791	1451	6932	1451	142	150	954	1804	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

Propiedades		
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M28	1.2D+1.6Le+1.0L	Bottom	1114.179	0.7172	0.0453	0.0051	0.246	3.8371	6	0.4	3	791	1479	734	791	142	150	954	1309	0.00
N+100.01	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	972.4792	922.8424	8.1366	0.3944	10.8321	2541.9245	6	0.4	3	791	1451	1718	1451	142	150	954	1804	0.51
N+100.01	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1111.7744	922.8424	8.1366	0.3944	42.6659	6195.0292	6	0.4	3	791	1479	603	791	142	150	954	1309	0.70
N+100.01	M28	1.2D+1.0Ex+0.3Ey+1.0L	Top	977.2884	921.4096	8.0465	0.4046	10.7111	2540.149	6	0.4	3	791	1452	1717	1452	142	150	954	1805	0.51
N+100.01	M28	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1116.5836	921.4096	8.0465	0.4046	42.1749	6187.3646	6	0.4	3	791	1480	603	791	142	150	954	1309	0.70
N+100.01	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	971.6531	362.861	26.2058	1.1125	35.0728	991.0599	6	0.4	3	791	1451	1745	1451	142	150	954	1804	0.20
N+100.01	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1110.9484	362.861	26.2058	1.1125	137.6369	2427.9759	6	0.4	3	791	1479	604	791	142	150	954	1309	0.28
N+100.01	M28	1.2D+1.0Ey+0.3Ex+1.0L	Top	978.1144	361.4281	26.1158	1.1227	34.9518	989.2844	6	0.4	3	791	1452	1741	1452	142	150	954	1805	0.20
N+100.01	M28	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1117.4097	361.4281	26.1158	1.1227	137.1459	2420.3113	6	0.4	3	791	1480	605	791	142	150	954	1309	0.28
N+100.01	M28	0.9D+1.0Ex+0.3Ey	Top	728.7585	922.5974	8.1198	0.3961	10.8189	2541.6515	6	0.4	3	791	1402	1624	1402	142	150	954	1767	0.52
N+100.01	M28	0.9D+1.0Ex+0.3Ey	Bottom	833.2299	922.5974	8.1198	0.3961	42.5838	6193.7489	6	0.4	3	791	1423	577	791	142	150	954	1309	0.70
N+100.01	M28	0.9D+1.0Ex+0.3Ey	Top	733.5677	921.6547	8.0633	0.4029	10.7244	2540.422	6	0.4	3	791	1403	1624	1403	142	150	954	1768	0.52
N+100.01	M28	0.9D+1.0Ex+0.3Ey	Bottom	838.0391	921.6547	8.0633	0.4029	42.257	6188.6449	6	0.4	3	791	1424	578	791	142	150	954	1309	0.70
N+100.01	M28	0.9D+1.0Ey+0.3Ex	Top	727.9325	362.6159	26.1891	1.1142	35.0595	990.7869	6	0.4	3	791	1402	1649	1402	142	150	954	1767	0.21
N+100.01	M28	0.9D+1.0Ey+0.3Ex	Bottom	832.4039	362.6159	26.1891	1.1142	137.5548	2426.6956	6	0.4	3	791	1423	579	791	142	150	954	1309	0.28
N+100.01	M28	0.9D+1.0Ey+0.3Ex	Top	734.3938	361.6732	26.1325	1.121	34.965	989.5574	6	0.4	3	791	1403	1647	1403	142	150	954	1768	0.20
N+100.01	M28	0.9D+1.0Ey+0.3Ex	Bottom	838.8652	361.6732	26.1325	1.121	137.228	2421.5916	6	0.4	3	791	1424	579	791	142	150	954	1309	0.28
N+100.01	M29	1.4D	Top	1043.7579	5.056	0.0393	0.0017	0.1034	20.477	4	0.4	3	791	1465	977	977	142	150	954	1448	0.00
N+100.01	M29	1.4D	Bottom	1206.269	5.056	0.0393	0.0017	0.2648	0.3033	4	0.4	3	791	1498	1139	1139	142	150	954	1570	0.00
N+100.01	M29	1.2D+1.6L+0.5Lr	Top	894.6887	4.1914	0.0466	0.0024	0.0842	17.6603	4	0.4	3	791	1435	905	905	142	150	954	1395	0.00
N+100.01	M29	1.2D+1.6L+0.5Lr	Bottom	1033.9839	4.1914	0.0466	0.0024	0.2758	0.4335	4	0.4	3	791	1463	1122	1122	142	150	954	1557	0.00
N+100.01	M29	1.2D+1.6L+0.5G	Top	894.6863	4.1917	0.0465	0.0024	0.0846	17.6592	4	0.4	3	791	1435	906	906	142	150	954	1395	0.00
N+100.01	M29	1.2D+1.6L+0.5G	Bottom	1033.9815	4.1917	0.0465	0.0024	0.2755	0.4312	4	0.4	3	791	1463	1122	1122	142	150	954	1557	0.00
N+100.01	M29	1.2D+1.6L+0.5Le	Top	894.6848	4.1919	0.0464	0.0024	0.0849	17.6586	4	0.4	3	791	1435	906	906	142	150	954	1395	0.00
N+100.01	M29	1.2D+1.6L+0.5Le	Bottom	1033.98	4.1919	0.0464	0.0024	0.2754	0.4297	4	0.4	3	791	1463	1121	1121	142	150	954	1557	0.00
N+100.01	M29	1.2D+1.6Lr+1.0L	Top	894.6879	4.2429	0.0427	0.0021	0.0835	17.6255	4	0.4	3	791	1435	921	921	142	150	954	1406	0.00
N+100.01	M29	1.2D+1.6Lr+1.0L	Bottom	1033.9831	4.2429	0.0427	0.0021	0.2591	0.1872	4	0.4	3	791	1463	1067	1067	142	150	954	1516	0.00
N+100.01	M29	1.2D+1.6G+1.0L	Top	894.6802	4.244	0.0422	0.0021	0.0848	17.6222	4	0.4	3	791	1435	921	921	142	150	954	1406	0.00
N+100.01	M29	1.2D+1.6G+1.0L	Bottom	1033.9755	4.244	0.0422	0.0021	0.2582	0.1796	4	0.4	3	791	1463	1066	1066	142	150	954	1515	0.00
N+100.01	M29	1.2D+1.6Le+1.0L	Top	894.6754	4.2446	0.0419	0.0021	0.0856	17.6202	4	0.4	3	791	1435	921	921	142	150	954	1407	0.00
N+100.01	M29	1.2D+1.6Le+1.0L	Bottom	1033.9707	4.2446	0.0419	0.0021	0.2577	0.1749	4	0.4	3	791	1463	1065	1065	142	150	954	1514	0.00
N+100.01	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	410.0298	924.1451	8.3485	0.4621	11.4892	2541.7409	4	0.4	3	791	1339	1507	1339	142	150	954	1720	0.54
N+100.01	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	549.325	924.1451	8.3485	0.4621	44.0754	6198.0849	4	0.4	3	791	1366	551	791	142	150	954	1309	0.71
N+100.01	M29	1.2D+1.0Ex+0.3Ey+1.0L	Top	1379.3115	932.6356	8.2655	0.4662	11.3163	2506.5047	4	0.4	3	791	1532	1966	1532	142	150	954	1865	0.50
N+100.01	M29	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1518.6068	932.6356	8.2655	0.4662	43.5611	6197.7445	4	0.4	3	791	1560	646	791	142	150	954	1309	0.71
N+100.01	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	709.877	360.036	26.7541	1.1638	37.0108	1002.7238	4	0.4	3	791	1398	1584	1398	142	150	954	1765	0.20
N+100.01	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	849.1722	360.036	26.7541	1.1638	141.6085	2427.0092	4	0.4	3	791	1426	577	791	142	150	954	1309	0.28
N+100.01	M29	1.2D+1.0Ey+0.3Ex+1.0L	Top	1079.4643	368.5265	26.671	1.168	36.8379	967.4876	4	0.4	3	791	1472	1934	1472	142	150	954	1820	0.20
N+100.01	M29	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1218.7595	368.5265	26.671	1.168	141.0943	2426.6689	4	0.4	3	791	1500	622	791	142	150	954	1309	0.28
N+100.01	M29	0.9D+1.0Ex+0.3Ey	Top	186.3464	925.14	8.3323	0.4631	11.4692	2537.2866	4	0.4	3	791	1294	1428	1294	142	150	954	1686	0.55
N+100.01	M29	0.9D+1.0Ex+0.3Ey	Bottom	290.8178	925.14	8.3323	0.4631	43.9885	6197.7198	4	0.4	3	791	1315	528	791	142	150	954	1309	0.71
N+100.01	M29	0.9D+1.0Ex+0.3Ey	Top	1155.6281	931.6406	8.2818	0.4653	11.3363	2510.959	4	0.4	3	791	1488	1865	1488	142	150	954	1831	0.51
N+100.01	M29	0.9D+1.0Ex+0.3Ey	Bottom	1260.0995	931.6406	8.2818	0.4653	43.648	6198.1097	4	0.4	3	791	1509	621	791	142	150	954	1309	0.71
N+100.01	M29	0.9D+1.0Ey+0.3Ex	Top	486.1936	361.031	26.7378	1.1648	36.9908	998.2695	4	0.4	3	791	1354	1521	1354	142	150	954	1731	0.21
N+100.01	M29	0.9D+1.0Ey+0.3Ex	Bottom	590.665	361.031	26.7378	1.1648	141.5216	2426.6441	4	0.4	3	791	1375	554	791	142	150	954	1309	0.28
N+100.01	M29	0.9D+1.0Ey+0.3Ex	Top	855.7809	367.5316	26.6873	1.167	36.8579	971.9419	4	0.4	3	791	1428	1811	1428	142	150	954	1786	0.21
N+100.01	M29	0.9D+1.0Ey+0.3Ex	Bottom	960.2523	367.5316	26.6873	1.167	141.1811	2427.034	4	0.4	3	791	1449	597	791	142	150	954	1309	0.28
N+100.01	M30	1.4D	Top	869.5317	3.1202	0.2898	0.2141	1.0109	14.208	1	0.4	3	791	1430	827	827	142	150	954	1336	0.00
N+100.01	M30	1.4D	Bottom	1032.0428	3.1202	0.2898	0.2141	0.1801	1.384	1	0.4	3	791	1463	1558	1463	142	150	954	1813	0.00
N+100.01	M30	1.2D+1.6L+0.5Lr	Top	745.5289	2.5134	0.2312	0.1797	0.8526	12.2213	1	0.4	3	791	1406	754	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6L+0.5Lr	Bottom	884.8241	2.5134	0.2312	0.1797	0.0974	1.8913	1	0.4	3	791	1433	2203	1433	142	150	954	1791	0.00
N+100.01	M30	1.2D+1.6L+0.5G	Top	745.5212	2.5135	0.2313	0.1797	0.853	12.2193	1	0.4	3	791	1406	754	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6L+0.5G	Bottom	884.8164	2.5135	0.2313	0.1797	0.0977	1.889	1	0.4	3	791	1433	2200	1433	142	150	954	1791	0.00
N+100.01	M30	1.2D+1.6L+0.5Le	Top	745.5164	2.5135	0.2314	0.1797	0.8532	12.2182	1	0.4	3	791	1406	755	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6L+0.5Le	Bottom	884.8116	2.5135	0.2314	0.1797	0.0979	1.8876	1	0.4	3	791	1433	2198	1433	142	150	954	1791	0.00
N+100.01	M30	1.2D+1.6Lr+1.0L	Top	745.4923	2.5733	0.2368	0.1812	0.8559	12.2162	1	0.4	3	791	1406	773	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6Lr+1.0L	Bottom	884.7875	2.5733	0.2368	0.1812	0.1173	1.64	1	0.4	3	791	1433	1878	1433	142	150	954	1791	0.00
N+100.01	M30	1.2D+1.6G+1.0L	Top	745.4678	2.5736	0.2373	0.1812	0.857	12.2101	1	0.4	3	791	1406	773	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6G+1.0L	Bottom	884.763	2.5736	0.2373	0.1812	0.1181	1.6328	1	0.4	3	791	1433	1871	1433	142	150	954	1791	0.00
N+100.01	M30	1.2D+1.6Le+1.0L	Top	745.4524	2.5737	0.2375	0.1811	0.8576	12.2063	1	0.4	3	791	1406	774	791	142	150	954	1309	0.00
N+100.01	M30	1.2D+1.6Le+1.0L	Bottom	884.7477	2.5737	0.2375	0.1811	0.1186	1.6282	1	0.4	3	791	1433	1867	1433	142	150	954	1791	0.00

INDICES SOBREESFUERZO CORTANTE MUROS, Complejo CAD torre B

	Propiedades	
f'c	f'c (MPa)	23.5
fy	fy (MPa)	420

Coeficientes de reducción	
ϕc	1.0
ϕe	1.0
ϕ cortante	0.75

Story	Pier	Output Case	Location	P (kN)	V2 (kN)	V3 (kN)	T (kN-m)	M2 (kN-m)	M3 (kN-m)	MURO TIPO	B (m)	L(m)	Vc elemental (kN)	Vc detallada 1	Vc detallada 2	Vc escogido	As (mm²)	S (mm)	Vs (Kn)	ϕVn	Indice sobresfuerzo
N+100.01	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	384.3769	999.5938	19.8148	10.5368	30.4719	2270.8982	1	0.4	3	791	1333	2281	1333	142	150	954	1716	0.58
N+100.01	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	523.6722	999.5938	19.8148	10.5368	60.0948	6238.7473	1	0.4	3	791	1361	580	791	142	150	954	1309	0.76
N+100.01	M30	1.2D+1.0Ex+0.3Ey+1.0L	Top	1106.4973	1004.7416	20.2905	10.1746	28.7553	2246.4934	1	0.4	3	791	1478	2852	1478	142	150	954	1824	0.55
N+100.01	M30	1.2D+1.0Ex+0.3Ey+1.0L	Bottom	1245.7925	1004.7416	20.2905	10.1746	60.3331	6235.4998	1	0.4	3	791	1506	656	791	142	150	954	1309	0.77
N+100.01	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	-360.0074	421.8431	39.0876	12.2479	25.7638	800.6987	1	0.4	3	791	1185	3306	1185	142	150	954	1604	0.26
N+100.01	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	-220.7122	421.8431	39.0876	12.2479	161.1993	2467.1042	1	0.4	3	791	1212	529	791	142	150	954	1309	0.32
N+100.01	M30	1.2D+1.0Ey+0.3Ex+1.0L	Top	1850.8817	426.9909	39.5633	11.8857	24.0472	776.2938	1	0.4	3	791	1627	7416	1627	142	150	954	1936	0.22
N+100.01	M30	1.2D+1.0Ey+0.3Ex+1.0L	Bottom	1990.1769	426.9909	39.5633	11.8857	161.4376	2463.8568	1	0.4	3	791	1655	783	791	142	150	954	1309	0.33
N+100.01	M30	0.9D+1.0Ex+0.3Ey	Top	197.9245	1000.1618	19.8663	10.4934	30.2635	2267.8295	1	0.4	3	791	1296	2176	1296	142	150	954	1688	0.59
N+100.01	M30	0.9D+1.0Ex+0.3Ey	Bottom	302.3959	1000.1618	19.8663	10.4934	60.0981	6238.0133	1	0.4	3	791	1317	558	791	142	150	954	1309	0.76
N+100.01	M30	0.9D+1.0Ex+0.3Ey	Top	920.0449	1004.1735	20.2389	10.218	28.9637	2249.5621	1	0.4	3	791	1441	2715	1441	142	150	954	1796	0.56
N+100.01	M30	0.9D+1.0Ex+0.3Ey	Bottom	1024.5163	1004.1735	20.2389	10.218	60.3297	6236.2338	1	0.4	3	791	1461	633	791	142	150	954	1309	0.77
N+100.01	M30	0.9D+1.0Ey+0.3Ex	Top	-546.4598	422.4112	39.1392	12.2045	25.5554	797.6299	1	0.4	3	791	1147	3153	1147	142	150	954	1576	0.27
N+100.01	M30	0.9D+1.0Ey+0.3Ex	Bottom	-441.9884	422.4112	39.1392	12.2045	161.2027	2466.3702	1	0.4	3	791	1168	506	791	142	150	954	1309	0.32
N+100.01	M30	0.9D+1.0Ey+0.3Ex	Top	1664.4292	426.4228	39.5118	11.9291	24.2556	779.3626	1	0.4	3	791	1589	6932	1589	142	150	954	1908	0.22
N+100.01	M30	0.9D+1.0Ey+0.3Ex	Bottom	1768.9007	426.4228	39.5118	11.9291	161.4342	2464.5908	1	0.4	3	791	1610	757	791	142	150	954	1309	0.33