



	24P1	24P5	24P6	24P7	24P8	24P9	24P10	24P11	24P12	24P13	24P14	24P15	24P16	24P17	24P18	24P19	24P20	24P21	24P22	24P23	24P24	24P25	24P26	24P27	24P28	24P29	24P30	24P31	24P32	24P33	24P34	24P35	24P36	24P37	24P38	24P39	24P40	24P41	24P42	24P43	24P44	24P45	24P46	24P47	24P48	24P49	24P50	24P51	24P52	24P53	24P54	24P55	24P56	24P57	24P58	24P59	24P60	24P61	24P62	24P63	24P64	24P65	24P66	24P67	24P68	24P69	24P70	24P71	24P72	24P73	24P74	24P75	24P76	24P77	24P78	24P79	24P80	24P81	24P82	24P83	24P84	24P85	24P86	24P87	24P88	24P89	24P90	24P91	24P92	24P93	24P94	24P95	24P96	24P97	24P98	24P99	24P100	24P101	24P102	24P103	24P104	24P105	24P106	24P107	24P108	24P109	24P110	24P111	24P112	24P113	24P114	24P115	24P116	24P117	24P118	24P119	24P120	24P121	24P122	24P123	24P124	24P125	24P126	24P127	24P128	24P129	24P130	24P131	24P132	24P133	24P134	24P135	24P136	24P137	24P138	24P139	24P140	24P141	24P142	24P143	24P144	24P145	24P146	24P147	24P148	24P149	24P150	24P151	24P152	24P153	24P154	24P155	24P156	24P157	24P158	24P159	24P160	24P161	24P162	24P163	24P164	24P165	24P166	24P167	24P168	24P169	24P170	24P171	24P172	24P173	24P174	24P175	24P176	24P177	24P178	24P179	24P180	24P181	24P182	24P183	24P184	24P185	24P186	24P187	24P188	24P189	24P190	24P191	24P192	24P193	24P194	24P195	24P196	24P197	24P198	24P199	24P200	24P201	24P202	24P203	24P204	24P205	24P206	24P207	24P208	24P209	24P210	24P211	24P212	24P213	24P214	24P215	24P216	24P217	24P218	24P219	24P220	24P221	24P222	24P223	24P224	24P225	24P226	24P227	24P228	24P229	24P230	24P231	24P232	24P233	24P234	24P235	24P236	24P237	24P238	24P239	24P240	24P241	24P242	24P243	24P244	24P245	24P246	24P247	24P248	24P249	24P250	24P251	24P252	24P253	24P254	24P255	24P256	24P257	24P258	24P259	24P260	24P261	24P262	24P263	24P264	24P265	24P266	24P267	24P268	24P269	24P270	24P271	24P272	24P273	24P274	24P275	24P276	24P277	24P278	24P279	24P280	24P281	24P282	24P283	24P284	24P285	24P286	24P287	24P288	24P289	24P290	24P291	24P292	24P293	24P294	24P295	24P296	24P297	24P298	24P299	24P300	24P301	24P302	24P303	24P304	24P305	24P306	24P307	24P308	24P309	24P310	24P311	24P312	24P313	24P314	24P315	24P316	24P317	24P318	24P319	24P320	24P321	24P322	24P323	24P324	24P325	24P326	24P327	24P328	24P329	24P330	24P331	24P332	24P333	24P334	24P335	24P336	24P337	24P338	24P339	24P340	24P341	24P342	24P343	24P344	24P345	24P346	24P347	24P348	24P349	24P350	24P351	24P352	24P353	24P354	24P355	24P356	24P357	24P358	24P359	24P360	24P361	24P362	24P363	24P364	24P365	24P366	24P367	24P368	24P369	24P370	24P371	24P372	24P373	24P374	24P375	24P376	24P377	24P378	24P379	24P380	24P381	24P382	24P383	24P384	24P385	24P386	24P387	24P388	24P389	24P390	24P391	24P392	24P393	24P394	24P395	24P396	24P397	24P398	24P399	24P400	24P401	24P402	24P403	24P404	24P405	24P406	24P407	24P408	24P409	24P410	24P411	24P412	24P413	24P414	24P415	24P416	24P417	24P418	24P419	24P420	24P421	24P422	24P423	24P424	24P425	24P426	24P427	24P428	24P429	24P430	24P431	24P432	24P433	24P434	24P435	24P436	24P437	24P438	24P439	24P440	24P441	24P442	24P443	24P444	24P445	24P446	24P447	24P448	24P449	24P450	24P451	24P452	24P453	24P454	24P455	24P456	24P457	24P458	24P459	24P460	24P461	24P462	24P463	24P464	24P465	24P466	24P467	24P468	24P469	24P470	24P471	24P472	24P473	24P474	24P475	24P476	24P477	24P478	24P479	24P480	24P481	24P482	24P483	24P484	24P485	24P486	24P487	24P488	24P489	24P490	24P491	24P492	24P493	24P494	24P495	24P496	24P497	24P498	24P499	24P500	24P501	24P502	24P503	24P504	24P505	24P506	24P507	24P508	24P509	24P510	24P511	24P512	24P513	24P514	24P515	24P516	24P517	24P518	24P519	24P520	24P521	24P522	24P523	24P524	24P525	24P526	24P527	24P528	24P529	24P530	24P531	24P532	24P533	24P534	24P535	24P536	24P537	24P538	24P539	24P540	24P541	24P542	24P543	24P544	24P545	24P546	24P547	24P548	24P549	24P550	24P551	24P552	24P553	24P554	24P555	24P556	24P557	24P558	24P559	24P560	24P561	24P562	24P563	24P564	24P565	24P566	24P567	24P568	24P569	24P570	24P571	24P572	24P573	24P574	24P575	24P576	24P577	24P578	24P579	24P580	24P581	24P582	24P583	24P584	24P585	24P586	24P587	24P588	24P589	24P590	24P591	24P592	24P593	24P594	24P595	24P596	24P597	24P598	24P599	24P600	24P601	24P602	24P603	24P604	24P605	24P606	24P607	24P608	24P609	24P610	24P611	24P612	24P613	24P614	24P615	24P616	24P617	24P618	24P619	24P620	24P621	24P622	24P623	24P624	24P625	24P626	24P627	24P628	24P629	24P630	24P631	24P632	24P633	24P634	24P635	24P636	24P637	24P638	24P639	24P640	24P641	24P642	24P643	24P644	24P645	24P646	24P647	24P648	24P649	24P650	24P651	24P652	24P653	24P654	24P655	24P656	24P657	24P658	24P659	24P660	24P661	24P662	24P663	24P664	24P665	24P666	24P667	24P668	24P669	24P670	24P671	24P672	24P673	24P674	24P675	24P676	24P677	24P678	24P679	24P680	24P681	24P682	24P683	24P684	24P685	24P686	24P687	24P688	24P689	24P690	24P691	24P692	24P693	24P694	24P695	24P696	24P697	24P698	24P699	24P700	24P701	24P702	24P703	24P704	24P705	24P706	24P707	24P708	24P709	24P710	24P711	24P712	24P713	24P714	24P715	24P716	24P717	24P718	24P719	24P720	24P721	24P722	24P723	24P724	24P725	24P726	24P727	24P728	24P729	24P730	24P731	24P732	24P733	24P734	24P735	24P736	24P737	24P738	24P739	24P740	24P741	24P742	24P743	24P744	24P745	24P746	24P747	24P748	24P749	24P750	24P751	24P752	24P753	24P754	24P755	24P756	24P757	24P758	24P759	24P760	24P761	24P762	24P763	24P764	24P765	24P766	24P767	24P768	24P769	24P770	24P771	24P772	24P773	24P774	24P775	24P776	24P777	24P778	24P779	24P780	24P781	24P782	24P783	24P784	24P785	24P786	24P787	24P788	24P789	24P790	24P791	24P792	24P793	24P794	24P795	24P796	24P797	24P798	24P799	24P800	24P801	24P802	24P803	24P804	24P805	24P806	24P807	24P808	24P809	24P810	24P811	24P812	24P813	24P814	24P815	24P816	24P817	24P818	24P819	24P820	24P821	24P822	24P823	24P824	24P825	24P826	24P827	24P828	24P829	24P830	24P831	24P832	24P833	24P834	24P835	24P836	24P837	24P838	24P839	24P840	24P841	24P842	24P843	24P844	24P845	24P846	24P847	24P848	24P849	24P850	24P851	24P852	24P853	24P854	24P855	24P856	24P857	24P858	24P859	24P860	24P861	24P862	24P863	24P864	24P865	24P866	24P867	24P868	24P869	24P870	24P871	24P872	24P873	24P874	24P875	24P876	24P877	24P878	24P879	24P880	24P881	24P882	24P883	24P884	24P885	24P886	24P887	24P888	24P889	24P890	24P891	24P892	24P893	24P894	24P895	24P896	24P897	24P898	24P899	24P900	24P901	24P902	24P903	24P904	24P905	24P906	24P907	24P908	24P909	24P910	24P911	24P912	24P913	24P914	24P915	24P916	24P917	24P918	24P919	24P920	24P921	24P922	24P923	24P924	24P925	24P926	24P927	24P928	24P929	24P930	24P931	24P932	24P933	24P934	24P935	24P936	24P937	24P938	24P939	24P940	24P941	24P942	24P943	24P944	24P945	24P946	24P947	24P948	24P949	24P950	24P951	24P952	24P953	24P954	24P955	24P956	24P957	24P958	24P959	24P960	24P961	24P962	24P963	24P964	24P965	24P966	24P967	24P968	24P969	24P970	24P971	24P972	24P973	24P974	24P975	24P976	24P977	24P978	24P979	24P980	24P981	24P982	24P983	24P984	24P985	24P986	24P987	24P988	24P989	24P990	24P991	24P992	24P993	24P994	24P995	24P996	24P997	24P998	24P999	24P1000
ACO	N	DM	QUANT	UNIT	C TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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	5	5.0	38	61	2448																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	6	5.0	79	83	6557																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	7	5.0	26	73	1888																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	8	5.0	88	88 <td>7744</td>	7744																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	9	5.0	88	88 <td>7744</td>	7744																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	10	5.0	38	103	3720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	11	5.0	38	103	3720																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	12	5.0	40	118	4700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	13	5.0	40	118	4700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	14	6.3	54	127	6858																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	15	6.3	39	142	5538																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	16	10.0	9	33	4836																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	17	10.0	52	33	4836																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
AÇO			
CA50	6.3	124	33.4
CA50	10.0	60.7	41.1
CA60	5.0	329.1	55.8
PESO TOTAL (kg)			
CA50			74.5
CA60			55.8

Volume de concreto (C-30) = 0,23 m<sup>3</sup>  
Volume de concreto (C-20) = 2,92 m<sup>3</sup>  
Área de forma = 18,34 m<sup>2</sup>

• O ENGENHEIRO PROJETISTA ESTAVA A DESPESERAR PARA QUALQUER ESCALA, CEMENTO E APOIO TECNICO EM QUALQUER FASE DA OBRA, PORTANTO, EM CASO DE DÚVIDA, APROPRIADO DE CONSULTAR O ENGENHEIRO.

[illegible]