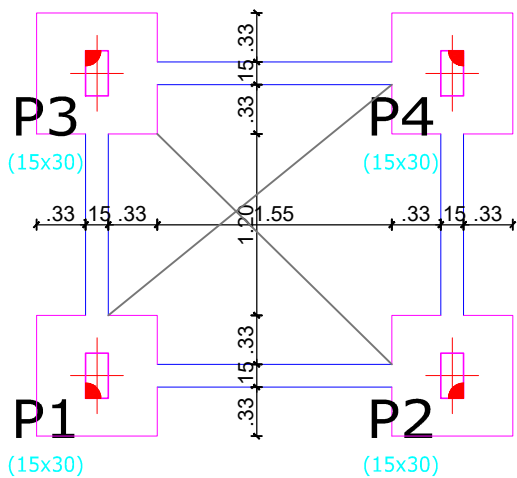
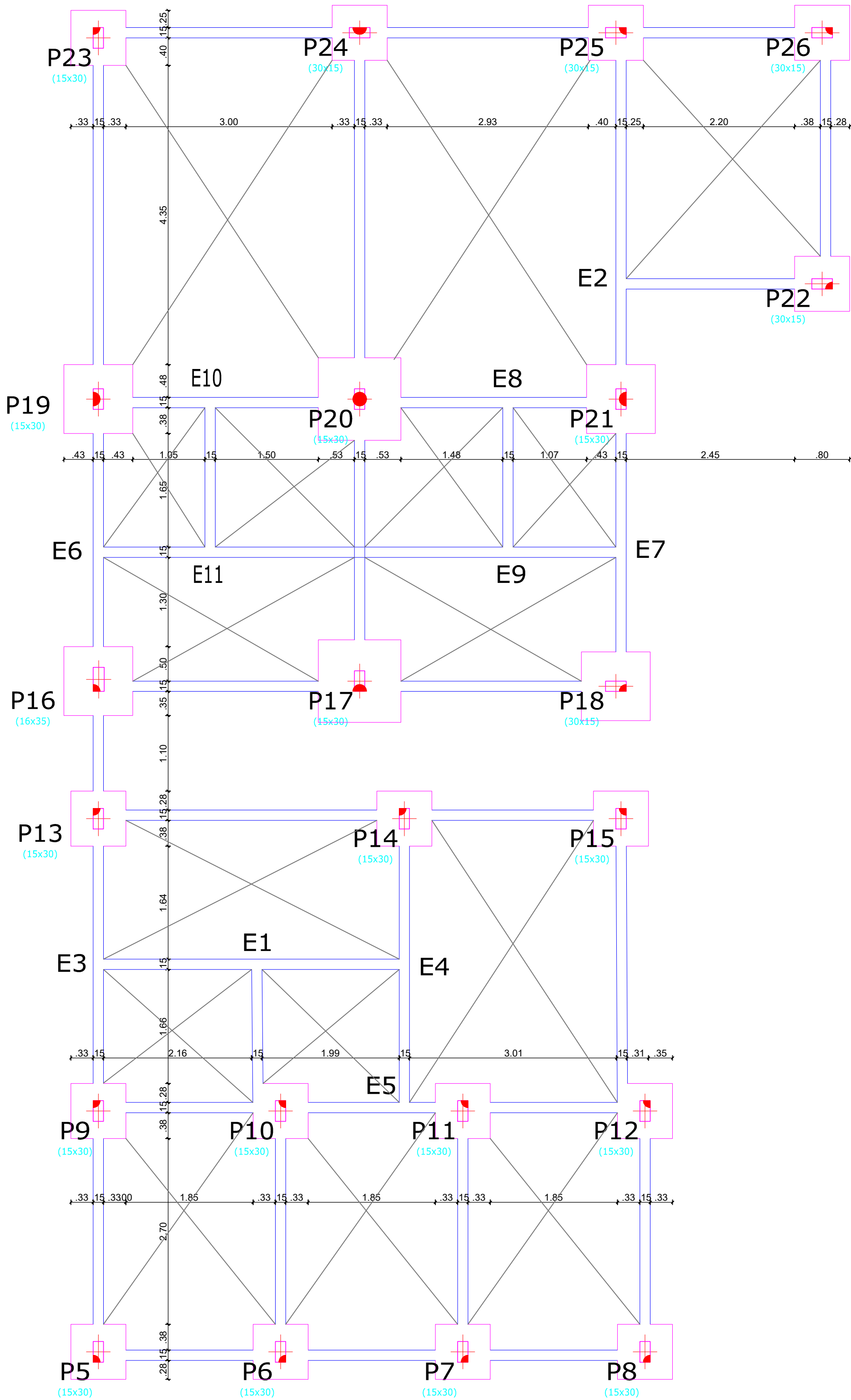


DETALHAMENTO DAS VIGAS - NÍVEL FUNDAÇÃO (-0,30M)

ESCALA: 1/50



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Viga Padrão [P3 - P4]	70	Ø8	2		263		263	526	2.1	
	71	Ø8	2		263		263	526	2.1	
	72	Ø5	12		66		66	792		1.2
Total+10%:									4.6	1.3
Viga Padrão [P1 - P3]	73	Ø8	2		228		228	456	1.8	
	74	Ø8	2		228		228	456	1.8	
	75	Ø5	9		66		66	594		0.9
Total+10%:									4.0	1.0
Viga Padrão [P2 - P4]	76	Ø8	2		228		228	456	1.8	
	77	Ø8	2		228		228	456	1.8	
	78	Ø5	9		66		66	594		0.9
Total+10%:									4.0	1.0
Viga Padrão [P1 - P2]	79	Ø8	2		263		263	526	2.1	
	80	Ø8	2		263		263	526	2.1	
	81	Ø5	12		66		66	792		1.2
Total+10%:									4.6	1.3
Viga Padrão [P21 - P25]	82	Ø8	2		561		561	1122	4.4	
	83	Ø8	2		561		561	1122	4.4	
	84	Ø5	31		66		66	2046		3.2
Total+10%:									9.7	3.5
Viga Padrão [P18 - P21]	85	Ø8	2		446		446	892	3.5	
	86	Ø8	2		446		446	892	3.5	
	87	Ø5	23		66		66	1518		2.4
Total+10%:									7.7	2.6
Viga Padrão [P13 - P16]	88	Ø8	2		228		228	456	1.8	
	89	Ø8	2		228		228	456	1.8	
	90	Ø5	9		66		66	594		0.9
Total+10%:									4.0	1.0
Viga Padrão [P16 - P19]	91	Ø8	2		438		438	876	3.5	
	92	Ø8	2		438		438	876	3.5	
	93	Ø5	22		66		66	1452		2.3
Total+10%:									7.7	2.5
Viga Padrão [P17 - P18]	94	Ø8	2		401		401	802	3.2	
	95	Ø8	2		401		401	802	3.2	
	96	Ø5	19		66		66	1254		2.0
Total+10%:									7.0	2.2
Viga Padrão [P16 - P17]	97	Ø8	2		408		408	816	3.2	
	98	Ø8	2		408		408	816	3.2	
	99	Ø5	19		66		66	1254		2.0
Total+10%:									7.0	2.2
Viga Padrão [P19 - P20]	100	Ø8	2		408		408	816	3.2	
	101	Ø8	2		414		414	828	3.3	
	102	Ø5	19		66		66	1254		2.0
Total+10%:									7.2	2.2
Viga Padrão [P20 - P21]	103	Ø8	2		408		408	816	3.2	
	104	Ø8	2		414		414	828	3.3	
	105	Ø5	19		66		66	1254		2.0
Total+10%:									7.2	2.2
Viga Padrão [P17 - P20]	106	Ø8	2		438		438	876	3.5	
	107	Ø8	2		444		444	888	3.5	
	108	Ø5	21		66		66	1386		2.2
Total+10%:									7.7	2.4
Viga Padrão [P10 - E1]	1	Ø8	2		236	11	237	474	1.9	
	2	Ø8	2		231	11	242	484	1.9	
	3	Ø5	12		66		66	792		1.2
Total+10%:									4.2	1.3
Viga Padrão [P7 - P11]	4	Ø8	2		399	12	411	822	3.2	
	5	Ø8	2		399	12	411	822	3.2	
	6	Ø5	19		66		66	1254		2.0
Total+10%:									7.0	2.2
Viga Padrão [P11 - P12]	7	Ø8	2		293		293	586	2.3	
	8	Ø8	2		293		293	586	2.3	
	9	Ø5	14		66		66	924		1.5
Total+10%:									5.1	1.7
Viga Padrão [P10 - P11]	10	Ø8	2		293		293	586	2.3	
	11	Ø8	2		293		293	586	2.3	
	12	Ø5	14		66		66	924		1.5
Total+10%:									5.1	1.7
Viga Padrão [E6-E7]	25	Ø8	2	11	765	11	787	1574	6.2	
	26	Ø8	2	11	765	11	787	1574	6.2	
	27	Ø5	51		66		66	3366		5.3
Total+10%:									13.6	5.8
Viga Padrão [E3-E5]	28	Ø8	2	11	450	11	472	944	3.7	
	29	Ø8	2	11	450	11	472	944	3.7	
	30	Ø5	30		66		66	1980		3.1
Total+10%:									8.1	3.4
Viga Padrão [E10-E11]	31	Ø8	2	11	223	11	245	490	1.9	
	32	Ø8	2	11	223	11	245	490	1.9	
	33	Ø5	15		66		66	990		1.6
Total+10%:									4.2	1.8
Viga Padrão [E8-E9]	34	Ø8	2	11	223	11	245	490	1.9	
	35	Ø8	2	11	223	11	245	490	1.9	
	36	Ø5	15		66		66	990		1.6
Total+10%:									4.2	1.8
Viga Padrão [P7 - P8]	37	Ø8	2		314	9	323	646	2.6	
	38	Ø8	2		314	9	323	646	2.6	
	39	Ø5	14		66		66	924		1.5
Total+10%:									5.7	1.7
Viga Padrão [P8 - P12]	40	Ø8	2		378		378	756	3.0	
	41	Ø8	2		378		378	756	3.0	
	42	Ø5	19		66		66	1254		2.0
Total+10%:									6.6	2.2
Viga Padrão [P6 - P7]	43	Ø8	2		293		293	586	2.3	
	44	Ø8	2		293		293	586	2.3	
	45	Ø5	14		66		66	924		1.5
Total+10%:									5.1	1.7
Viga Padrão [P5 - P6]	46	Ø8	2		317		317	634	2.5	
	47	Ø8	2		335		357	714	2.8	
	48	Ø5	14		66		66	924		1.5
Total+10%:									5.8	1.7
Viga Padrão [P5 - P9]	49	Ø8	2		378		378	756	3.0	
	50	Ø8	2		378		378	756	3.0	
	51	Ø5	19		66		66	1254		2.0
Total+10%:									6.6	2.2

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Viga Padrão [P9 - P13]	52	Ø8	2		453		453	906	3.6	
	53	Ø8	2		453		453	906	3.6	
	54	Ø5	24		66		66	1584		2.5
Total+10%:									7.9	2.8
Viga Padrão [P12 - P15]	55	Ø8	2		426		426	852	3.4	
	56	Ø8	2		426		426	852	3.4	
	57	Ø5	24		66		66	1584		2.5
Total+10%:									7.5	2.8
Viga Padrão [P14 - P15]	58	Ø8	2		343		343	686	2.7	
	59	Ø8	2		343		343	686	2.7	
	60	Ø5	17		66		66	1122		1.8
Total+10%:									5.9	2.0
Viga Padrão [E5-P14]	61	Ø8	2	12	436		448	896	3.5	
	62	Ø8	2	7	456		463	926	3.7	
	63	Ø5	26		66		66	1716		2.7
Total+10%:									7.9	3.0
Viga Padrão [P13 - P14]	64	Ø8	2		473		473	946	3.7	
	65	Ø8	2		473		473	946	3.7	
	66	Ø5	26		66		66	1716		2.7
Total+10%:									8.1	3.0
Viga Padrão [E2 - P22]	67	Ø8	2	12	309		321	642	2.5	
	68	Ø8	2	7	329		336	672	2.7	
	69	Ø5	18		66		66	1188		1.9
Total+10%:									5.7	2.1
Viga Padrão [P25 - P26]	109	Ø8	2		328		328	656	2.6	
	110	Ø8	2		328		328	656	2.6	
	111	Ø5	16		66		66	1056		1.7
Total+10%:									5.7	1.9
Viga Padrão [P22 - P26]	112	Ø8	2		393		393	786	3.1	