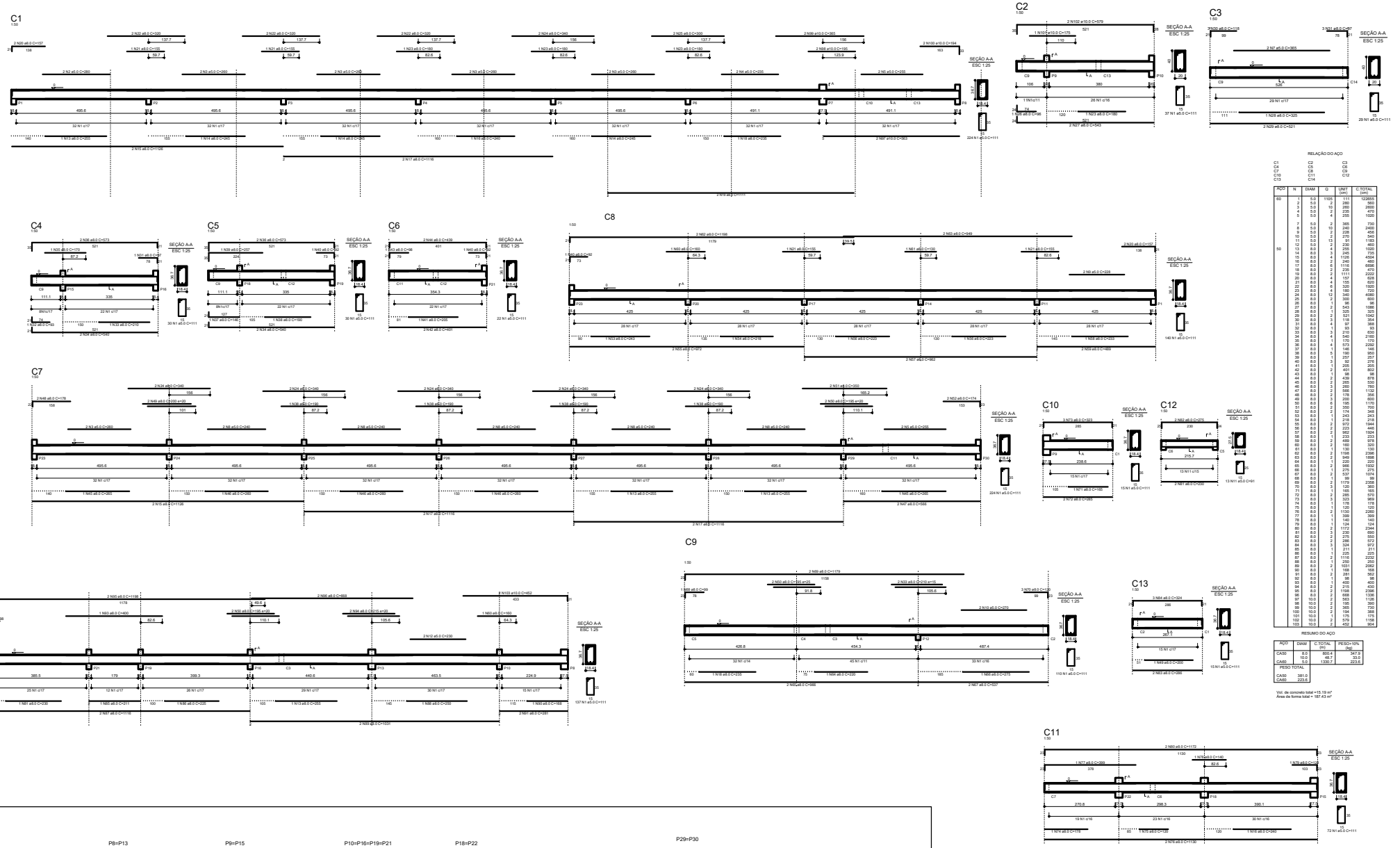

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	1105	111	122655
	2	5.0	2	2880	560
	3	5.0	10	2682	2650
	4	5.0	2	235	470
	5	5.0	4	255	1020
	7	5.0	2	365	730
	8	5.0	10	240	2400
	9	5.0	2	228	456
	10	5.0	2	770	1540
	11	5.0	10	145	1450
	13	5.0	2	230	460
	12	8.0	4	255	1020
	14	8.0	3	245	735
	15	8.0	4	1126	4504
	16	8.0	2	240	480
	17	8.0	6	1116	6696
	18	8.0	2	1111	2222
	19	8.0	2	111	222
	20	8.0	4	157	628
	21	8.0	4	155	620
	22	8.0	6	335	1920
	23	8.0	4	180	720
	24	8.0	12	340	4080
	26	8.0	2	300	600
	27	8.0	4	362	1448
	28	8.0	1	325	325
	29	8.0	2	521	1042
	30	8.0	3	118	354
	31	8.0	4	97	388
	32	8.0	1	363	363
	33	8.0	3	210	630
	34	8.0	4	540	2160
	35	8.0	1	170	170
	36	8.0	4	573	2292
	37	8.0	1	146	146
	38	8.0	5	390	1950
	39	8.0	1	357	357
	40	8.0	3	257	771
	41	8.0	1	205	205
	42	8.0	2	401	802
	43	8.0	1	98	98
	44	8.0	2	439	878
	45	8.0	2	285	570
	46	8.0	2	260	520
	47	8.0	2	585	1170
	48	8.0	2	178	356
	49	8.0	3	200	600
	50	8.0	6	196	1176
	51	8.0	2	350	700
	52	8.0	2	243	486
	53	8.0	1	243	243
	54	8.0	1	219	219
	55	8.0	2	272	544
	56	8.0	2	223	446
	57	8.0	2	962	1924
	58	8.0	1	233	233
	59	8.0	1	488	488
	60	8.0	1	150	150
	61	8.0	1	150	150
	62	8.0	2	1198	2396
	63	8.0	2	849	1698
	64	8.0	1	220	220
	65	8.0	2	966	1932
	66	8.0	2	774	1548
	67	8.0	2	507	1014
	68	8.0	1	190	190
	69	8.0	2	1179	2358
	70	8.0	3	120	360
	71	8.0	1	168	168
	72	8.0	2	285	570
	73	8.0	3	323	969
	74	8.0	1	178	178
	75	8.0	1	120	120
	76	8.0	2	1130	2260
	77	8.0	1	399	399
	78	8.0	1	140	140
	79	8.0	1	124	124
	80	8.0	2	1172	2344
	81	8.0	3	230	690
	82	8.0	2	286	572
	83	8.0	2	486	972
	84	8.0	3	324	972
	85	8.0	1	211	211
	86	8.0	1	225	225
	87	8.0	1	1150	2300
	88	8.0	1	1151	2302
	89	8.0	2	1051	2102
	90	8.0	1	168	168
	91	8.0	2	281	562
	92	8.0	1	98	98
	93	8.0	1	400	400
	94	8.0	1	215	215
	95	8.0	2	1198	2396
	96	8.0	2	568	1136
	97	10.0	2	563	1126
	98	10.0	2	195	390
	99	10.0	2	365	730
	100	10.0	2	194	388
	101	10.0	1	175	175
	102	10.0	2	573	1154
	103	10.0	2	452	904

Vol. de concreto total =15.19 m³
Área de forma total = 187.43 m²

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	8.0	800.4	347.9
	10.0	48.7	33.0
CA60	5.0	1330.7	223.5
PESO TOTAL:			
CA50	381.0		
CA60	223.6		

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	10.0	1424.1	96.7
	12.5	346.2	89.5
CA60	5.0	340.2	58.8
PESO TOTAL:			
CA50	185.8		
CA60	58.8		

Vol. de concreto total =1.83 m³
Área de forma total = 34.86 m²

P7	2xP8	4xP10	
P15	2xP18	4xP24	
P30			

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	2	5.0	70	30	6370
	3	5.0	70	71	15470
	4	5.0	206	79	16756
	5	5.0	100	81	8100
	6	5.0	50	24	1200
50	7	10.0	49	297	14256
	8	12.5	24	177	4248

ALEX SANDRO SOARES REGO
CREA MG 59130/D

PROJETO	
ESTRUTURAL	
ESCOLA MUNICIPAL GREGÓRIO FERREIRA	
END: RUA PRINCIPAL COMUNIDADE DE CABECEIRA DA CRUZ MUNICÍPIO PATIS - MG	
R.T:	PROP.: PREFEITURA MUNICIPAL DE PATIS
ARMAÇÃO DAS CINTAS DE FUNDAÇÃO ARMAÇÃO DO 2º LANCE DOS PILARES	ÁREA A CONSTRUIR:

ESTRUTURAL

FORMATO A0 - INTERNO: 1040 x 841 mm.
EXTERNO: 1189 x 841 mm.