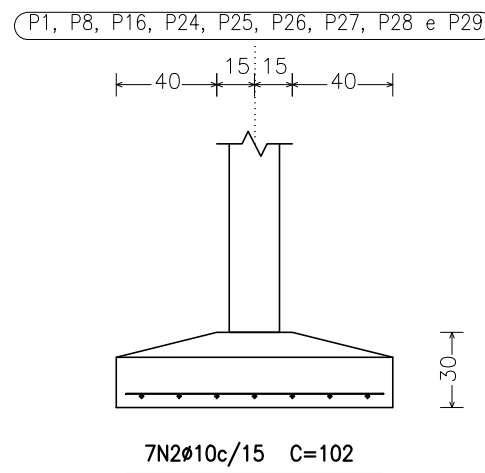
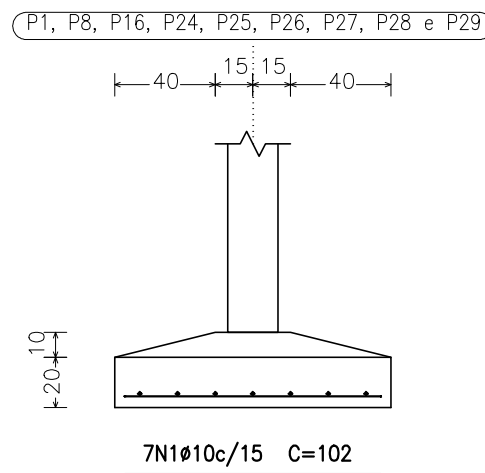
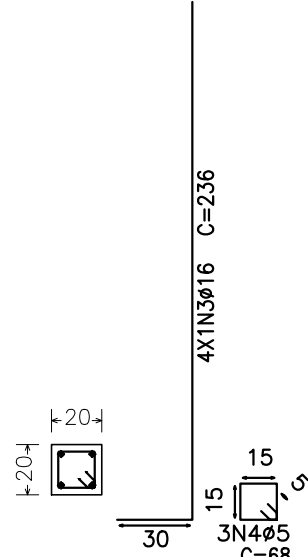


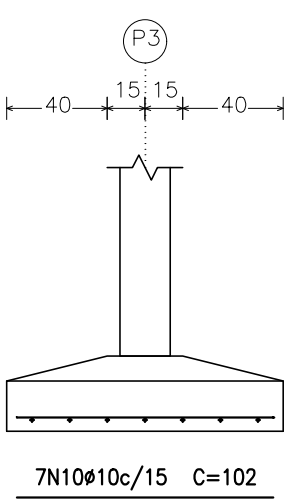
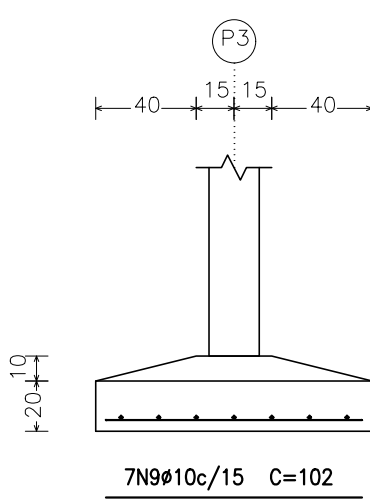
SP1, SP8, SP16, SP24, SP25, SP26, SP27, SP28 e SP29



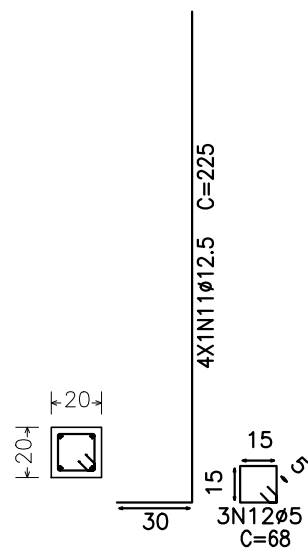
P1, P8, P16, P24, P25, P26, P27, P28 e P29



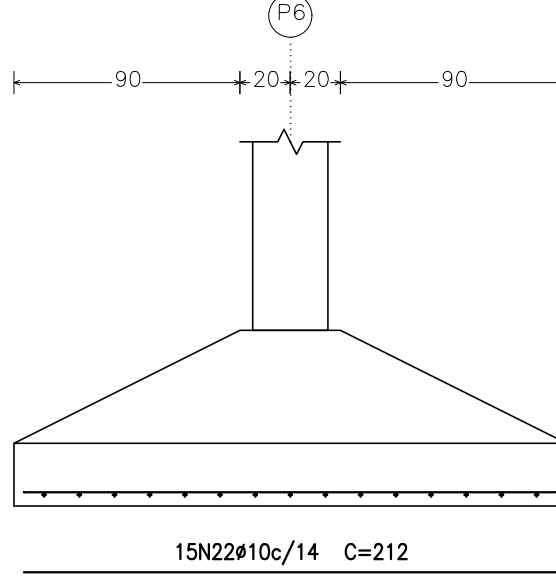
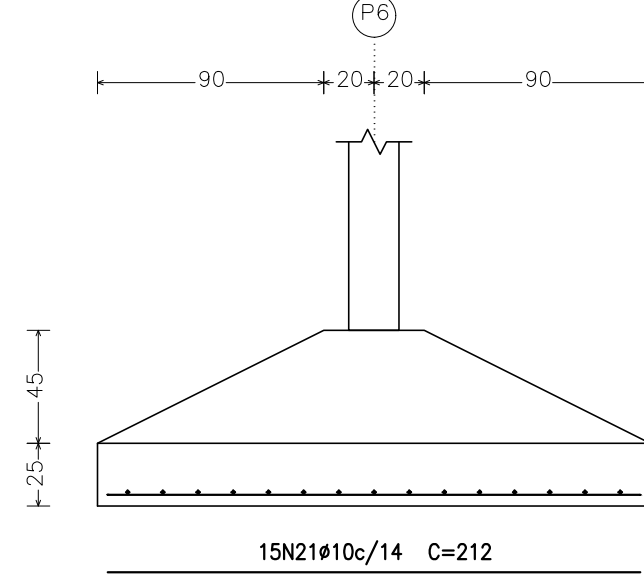
SP3



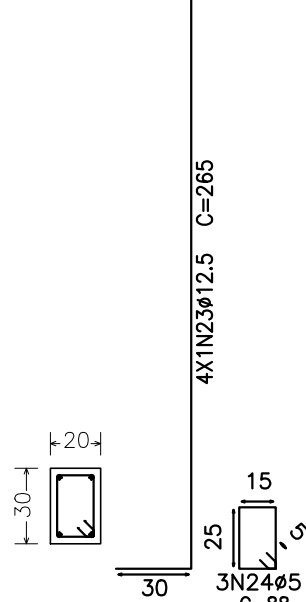
P3



SP6

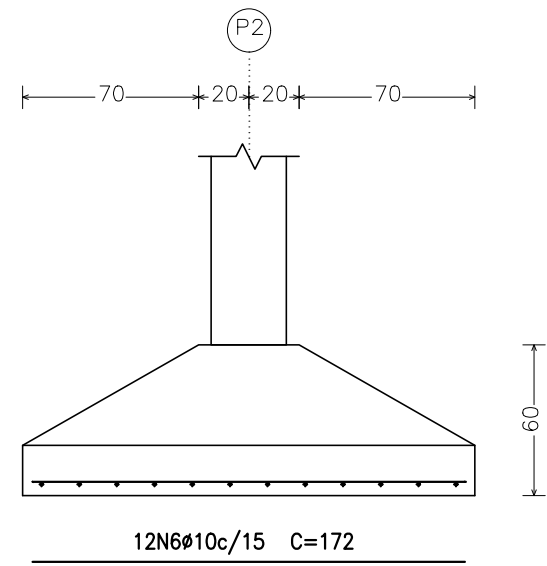
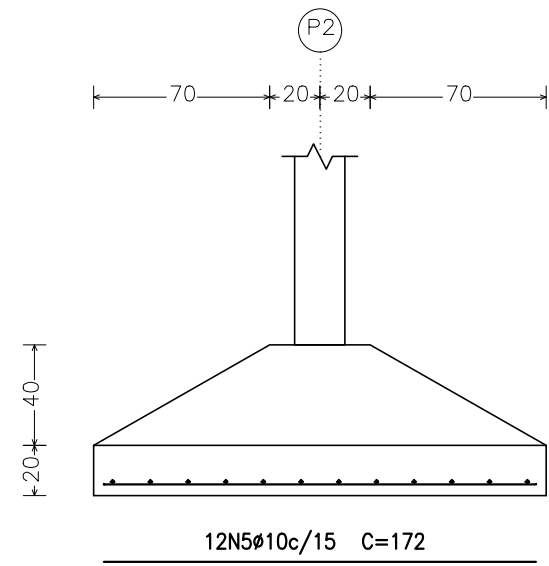


P6

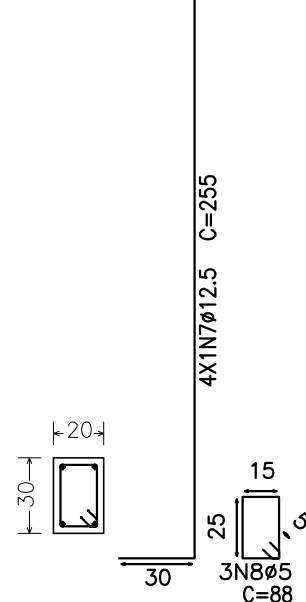


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reda (cm)	Dob. (cm)	Comp. (cm)	Tota (cm)	CA-50 (kg)	CA-60 (kg)
SP1=SP8=SP16=SP24 SP25=SP26=SP27=SP28 SP29	1	Ø10	7	102	102	102	102	714	4.4	
	2	Ø10	7	102	102	102	102	714	4.4	
	3	Ø16	4	30	206	236	236	944	14.9	
	4	Ø5	3		68	68	204	204		0.3
Total:									23.7	0.3
(x9):									213.3	2.7
SP2	5	Ø10	12	172	172	172	172	2064	12.7	
	6	Ø10	12	172	172	172	172	2064	12.7	
	7	Ø12.5	4	30	225	255	1020	9.8		
	8	Ø5	3		88	88	264	264		0.4
Total:									35.2	0.4
SP3	9	Ø10	7	102	102	102	102	714	4.4	
	10	Ø10	7	102	102	102	102	714	4.4	
	11	Ø12.5	4	30	195	225	900	8.7		
	12	Ø5	3		68	68	204	204		0.3
Total:									17.5	0.3
SP4=SP13=SP15	13	Ø10	9	132	132	132	132	1188	7.3	
	14	Ø10	9	132	132	132	132	1188	7.3	
	15	Ø16	6	30	216	246	1476	23.3		
	16	Ø5	3		78	78	234	234		0.4
Total:									37.9	0.4
(x3):									113.7	1.2
SP5	17	Ø10	12	172	172	172	172	2064	12.7	
	18	Ø10	12	172	172	172	172	2064	12.7	
	19	Ø16	6	30	236	266	1596	25.2		
	20	Ø5	3		88	88	264	264		0.4
Total:									50.6	0.4
SP6	21	Ø10	15	212	212	212	3180	19.6		
	22	Ø10	15	212	212	212	3180	19.6		
	23	Ø12.5	4	30	235	265	1060	10.2		
	24	Ø5	3		88	88	264	264		0.4
Total:									49.4	0.4
SP7	25	Ø10	12	172	172	172	2064	12.7		
	26	Ø10	12	172	172	172	2064	12.7		
	27	Ø12.5	6	30	225	255	1530	14.7		
	28	Ø5	3		78	78	234	234		0.4
Total:									40.1	0.4
SP10	29	Ø10	12	172	172	172	2064	12.7		
	30	Ø10	12	172	172	172	2064	12.7		
	31	Ø12.5	8	30	225	255	2040	19.6		
	32	Ø5	3		88	88	264	264		0.4
Total:									45.0	0.4
SP11=SP12	33	Ø10	12	172	172	172	2064	12.7		
	34	Ø10	12	172	172	172	2064	12.7		
	35	Ø12.5	8	30	225	255	2040	19.6		
	36	Ø5	3		88	88	264	264		0.4
Total:									45.0	0.4
(x2):									90.0	0.8
									Ø5:	0.0
									Ø10:	323.4
									Ø12.5:	103.2
									Ø16:	229.2
									Total:	654.8
										7.0

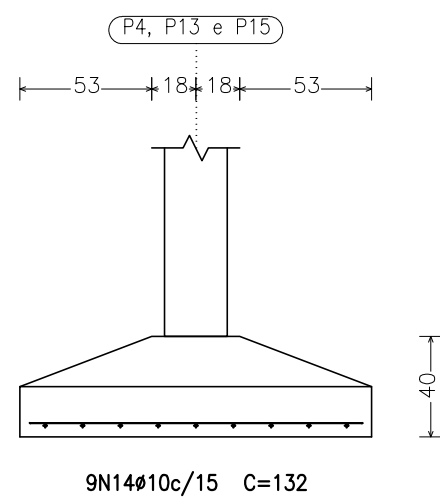
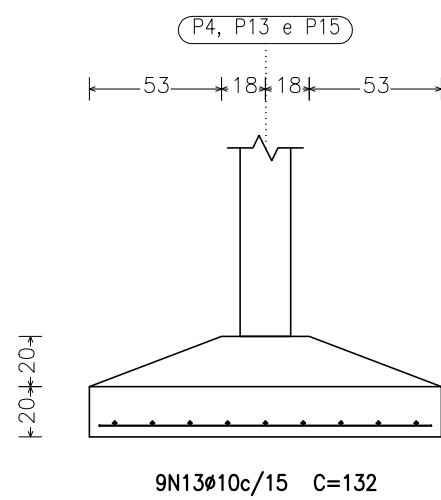
SP2



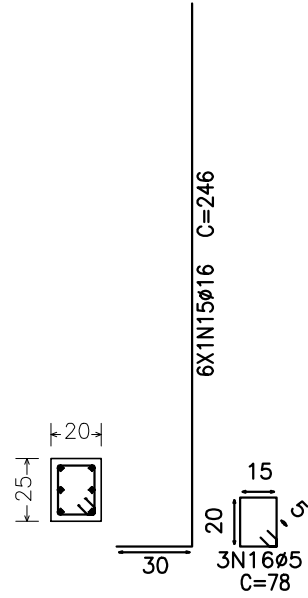
P2



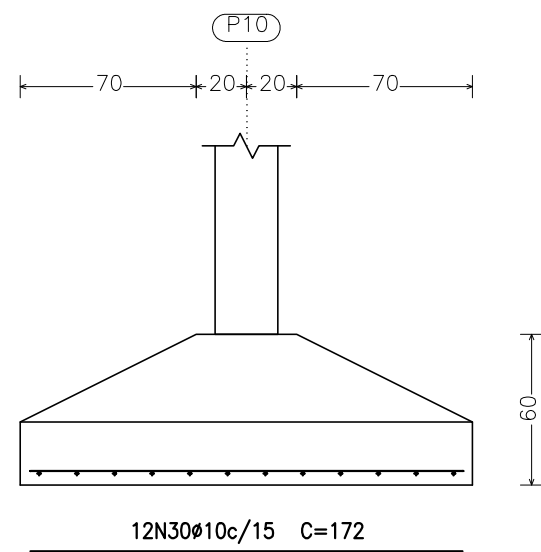
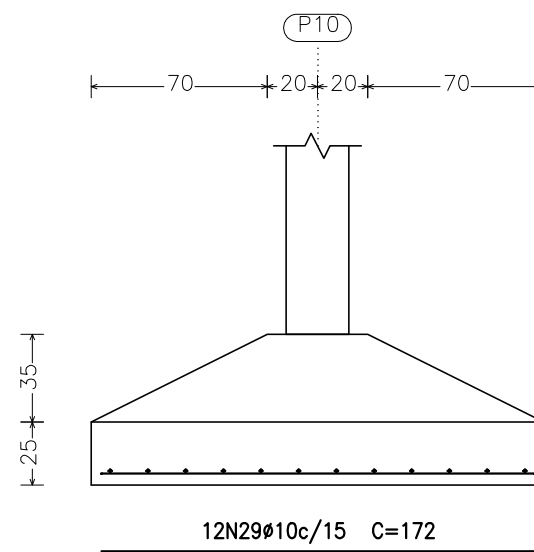
SP4, SP13 e SP15



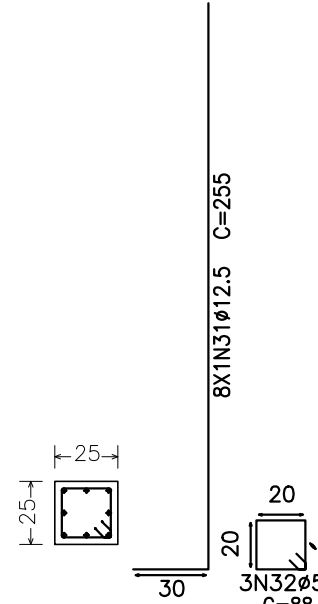
P4, P13 e P15



SP10



P10



NOTAS:

1. COTAS EM CENTÍMETROS, EXCETO ONDE INDICADO.
2. TODAS AS MEDIDAS DEVEM SER CONFERIDAS NO LOCAL.
3. Fck DE SAPATAS, VIGAS, PILARES E LAJES = 30 MPa;
4. COBRIMENTO NOMINAL DE SAPATAS 4,0 cm
5. COBRIMENTO NOMINAL DE VIGAS 2,5 cm;
6. COBRIMENTO NOMINAL DE PILARES 2,5 cm;
7. COBRIMENTO NOMINAL DE LAJES: FACE INFERIOR 2,0 cm; FACE SUPERIOR 1,5 cm;
8. DIMENSÃO MÁXIMA DE AGREGADO GRAUADO = 9,5 mm
9. RELAÇÃO ÁGUA/CIMENTO <= 0,50;
10. CONSUMO MÍNIMO DE CIMENTO DE 350 Kg/m³;
11. MÓDULO DE ELASTICIDADE INICIAL AOS 28 DIAS 31 GPa;
12. Fck DO CONCRETO E GROUT = 30 MPa COM AGREGADO GRAUADO DE DIMENSÃO MÁXIMA 9,5 mm;
13. EXECUÇÃO DE UMA CAMADA DE CONCRETO SIMPLES DE 5cm DE ESPESURA ABAIXO DAS SAPATAS E LAJES CONCRETADAS SOBRE O SOLO;
14. PROJETO GEOTÉCNICO DE REFERÊNCIA QUE DETERMINOU AS DIMENSÕES DAS SAPATAS: STR-005-19-PROJ.

LEGENDA

▨ PILAR NASCE □ PILAR PASSA ■ PILAR MORRE

REVISÕES

REV	POR	DATA	DESCRIÇÃO
00	PLNA	ABR/2019	EMIÇÃO INICIAL

PREFEITURA MUNICIPAL DE ARACRUZ

JONES CAVAGLIERI

SECRETARIA MUNICIPAL DE OBRAS E INFRAESTRUTURA

WELLINGTON LOZER GIACOMIN

SECRETÁRIO

PROJETO ESTRUTURAL

OBRA:

UNIDADE DE SAÚDE (U.S.) VILA DO RIACHO

ENDEREÇO:

RUA ANTONIO BRANDÃO, VILA DO RIACHO - ARACRUZ ES

PROPRIETÁRIO:

PREFEITURA MUNICIPAL DE ARACRUZ - CNPJ 27142702000166

AUTOR PROJ. BÁSICO/EXECUTIVO:

LEONARDO BRUNO MARTINS - ENG. CIVIL CREA MG 123987/D

COORDENAÇÃO:

MÁRCIA ELIANE DAN - ENG. CIVIL CREA ES 4876/D

ASSUNTO:

DETALHAMENTO DAS SAPATAS 1/2

RESPONSÁVEL TÉCNICO DA OBRA:

ESCALA:

INDICADA

DATA:

ABR/2019

DESENHO:

THADEU

CÓDIGO:

PDAN077

PRANCHA:

02/22

REVISÃO: R00



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E-MAIL: dan@engenharhara.com.br

DE ACORDO COM A LEGISLAÇÃO VIGENTE.CABE AO AUTOR DO PROJETO QUALQUER ALTERAÇÃO, BEM COMO OS DIREITOS AUTORAIS SOBRE O MESMO.