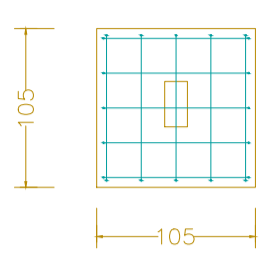
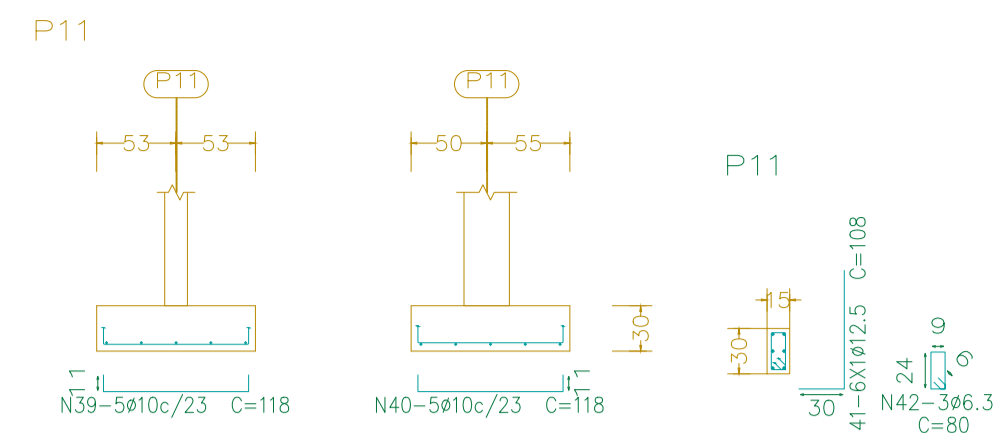
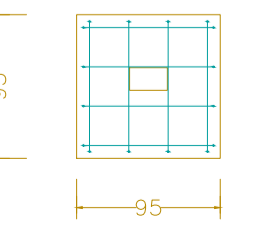
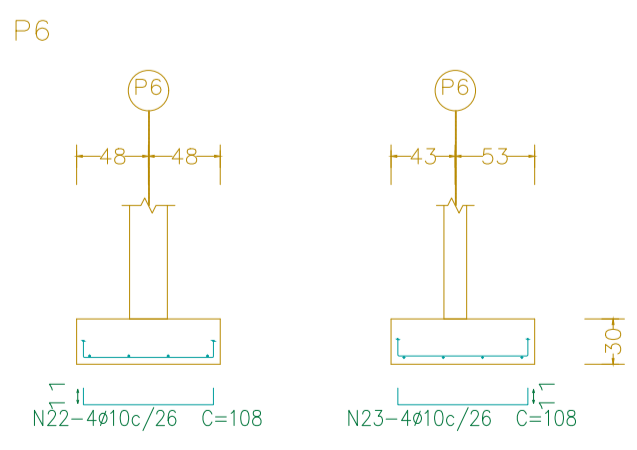
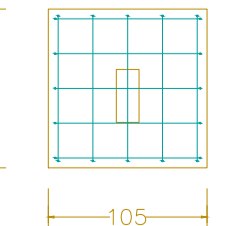
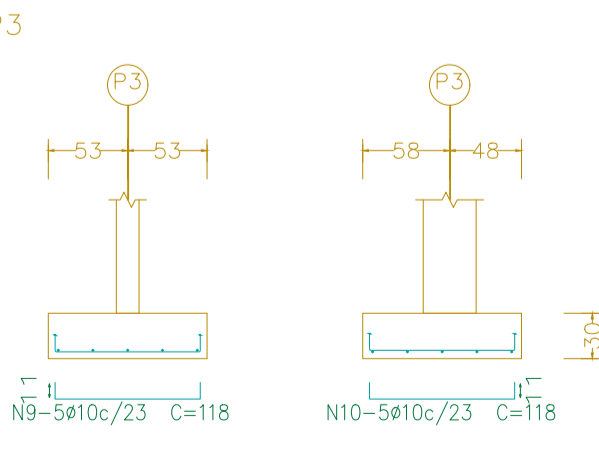
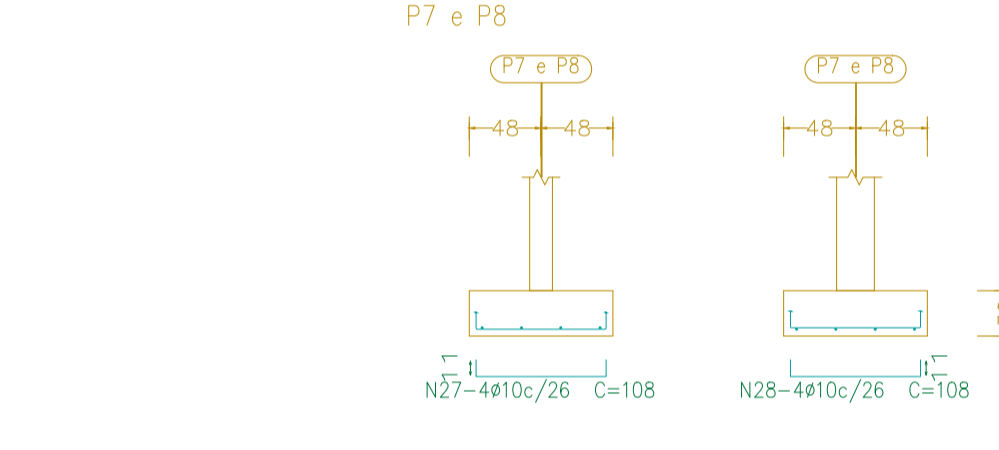
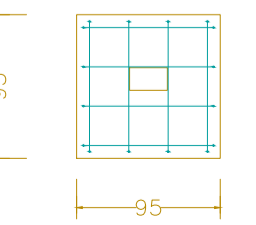
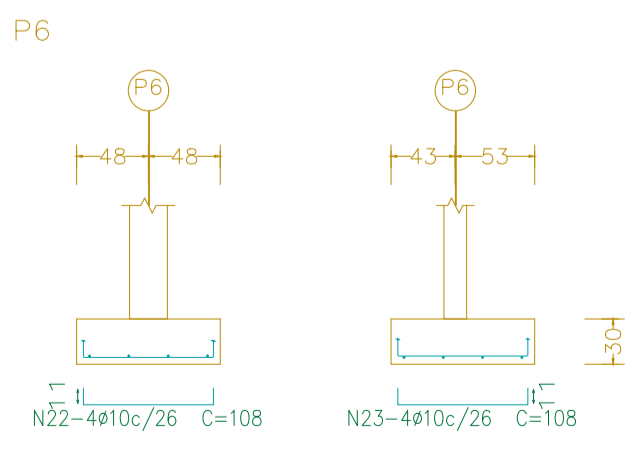
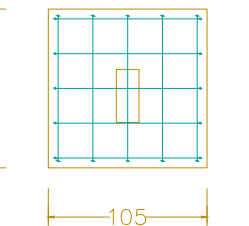
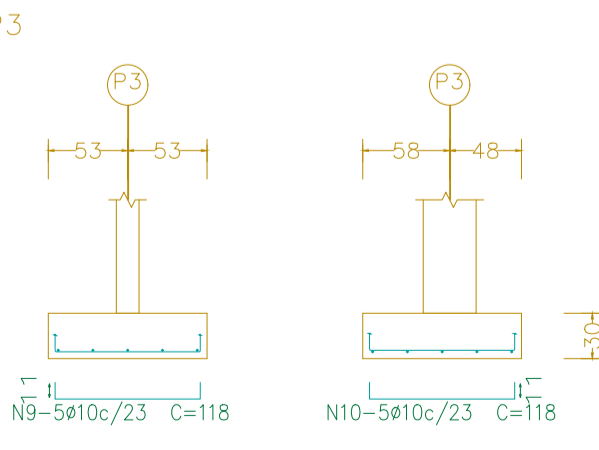
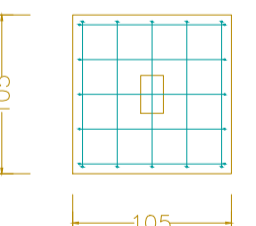
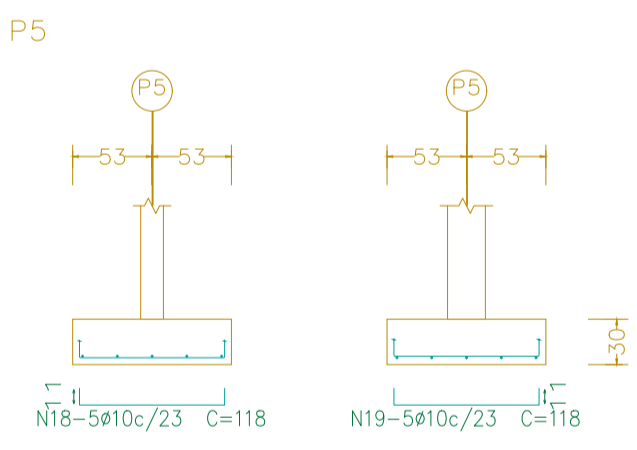
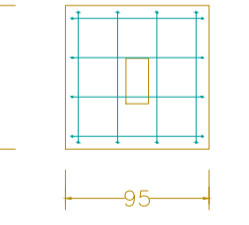
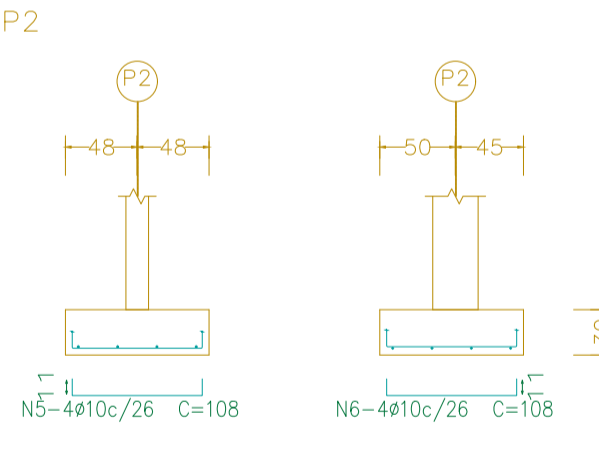
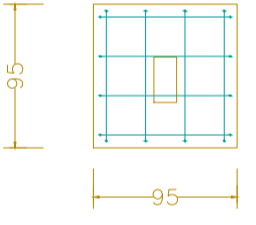
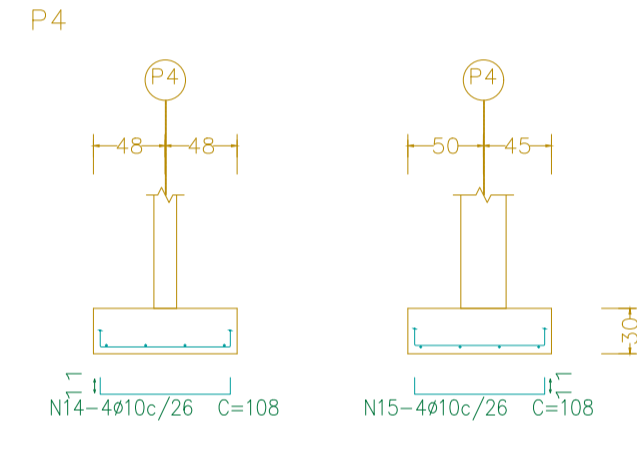
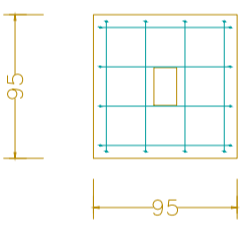
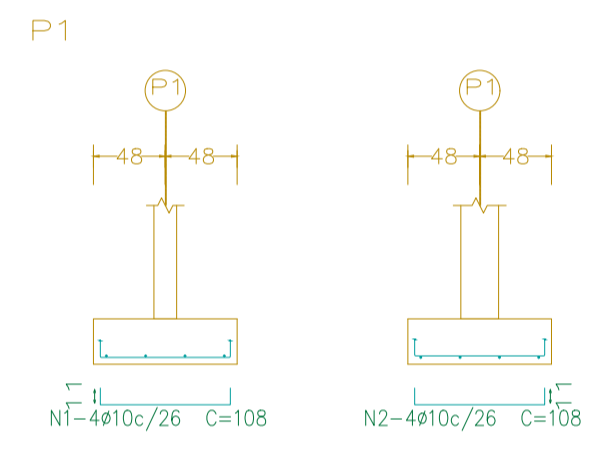
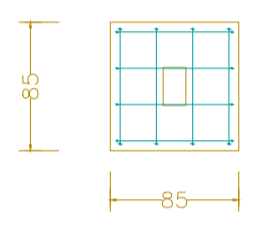
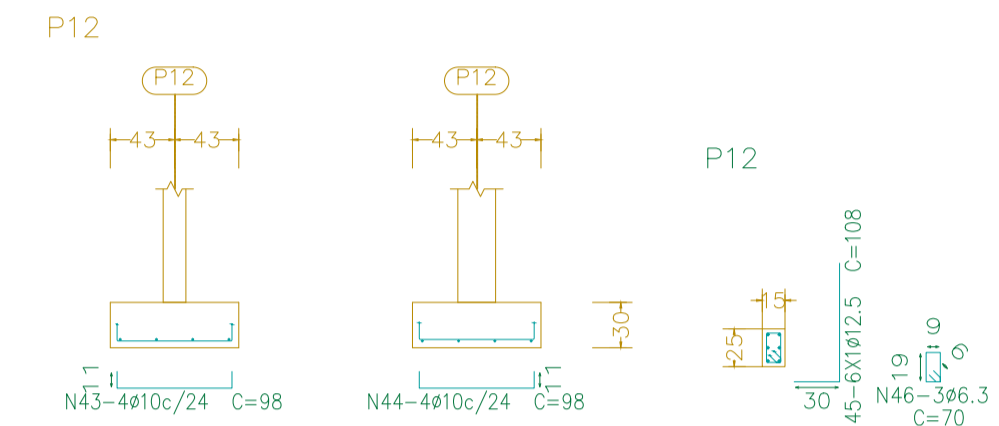


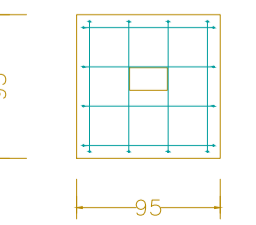
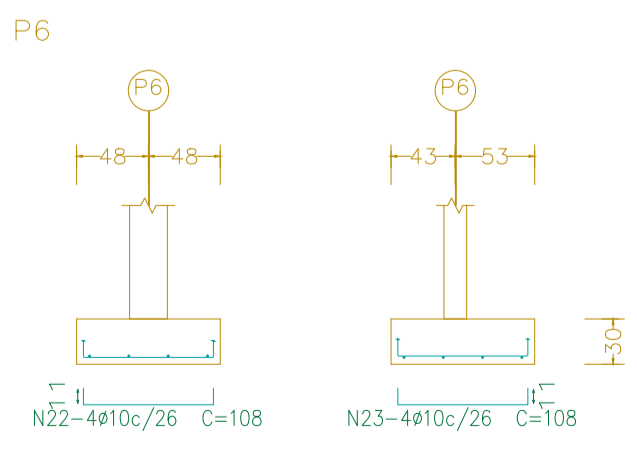
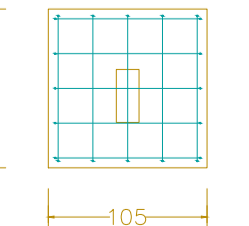
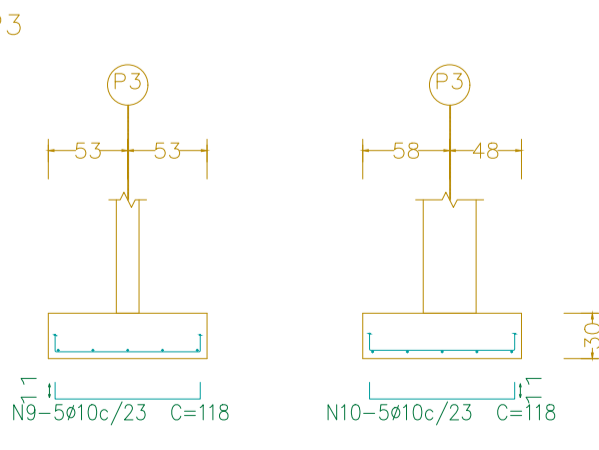
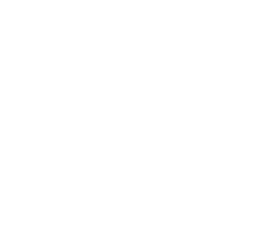
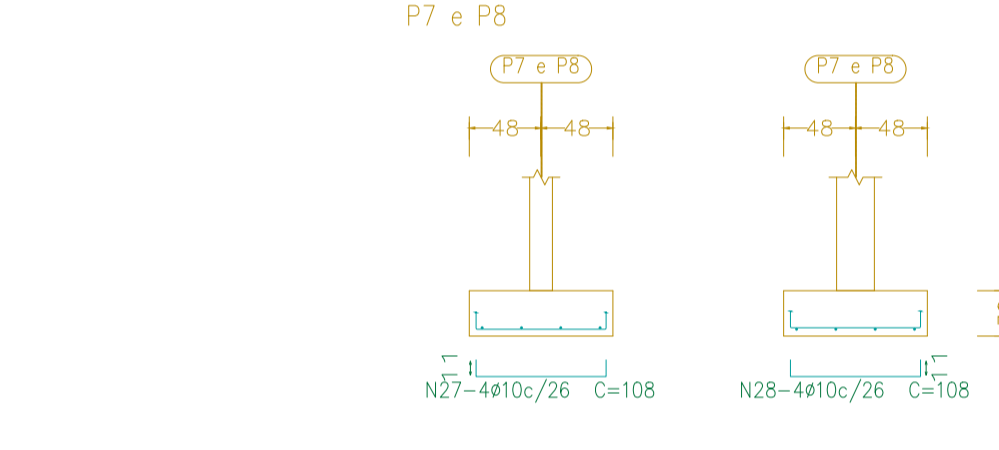
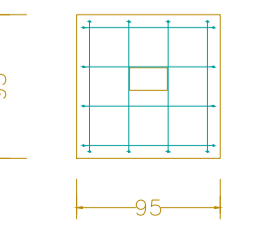
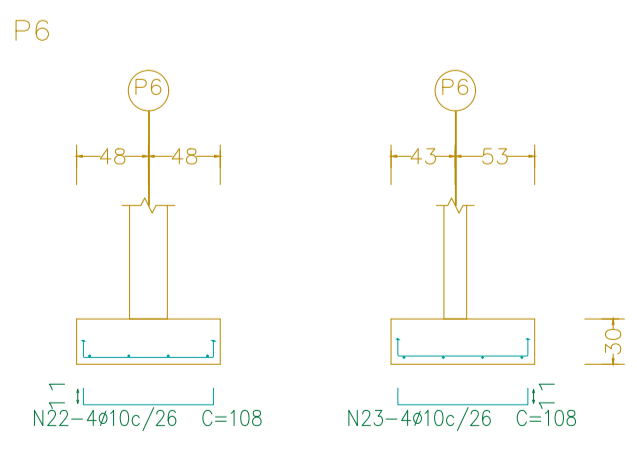
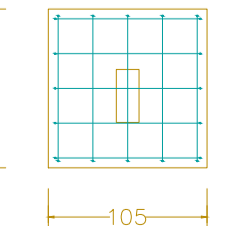
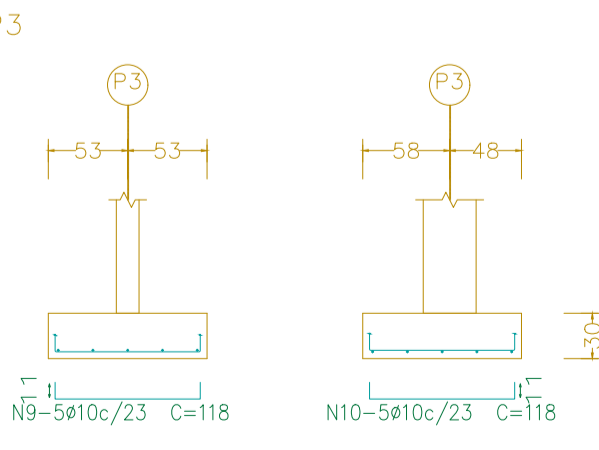
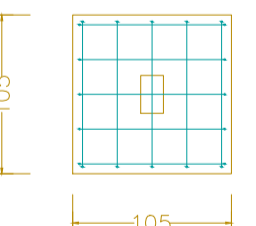
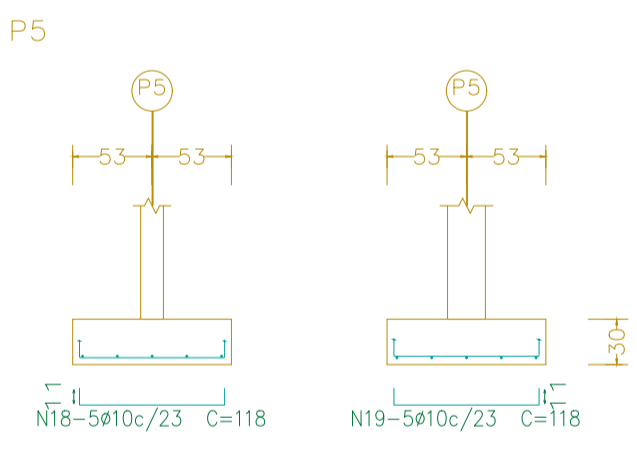
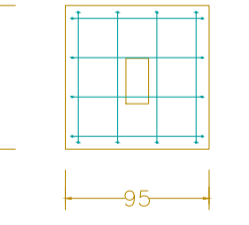
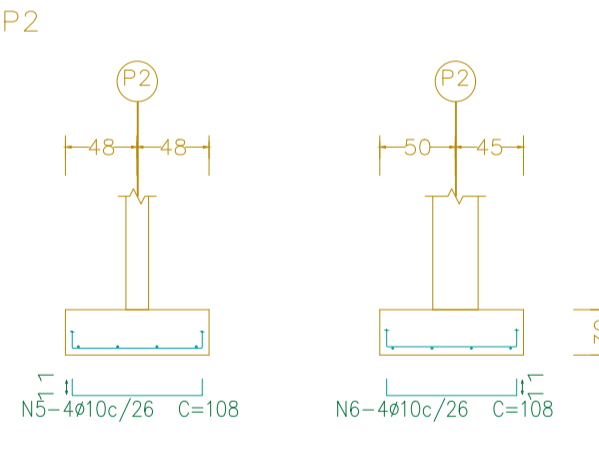
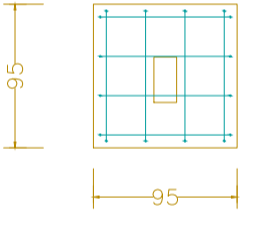
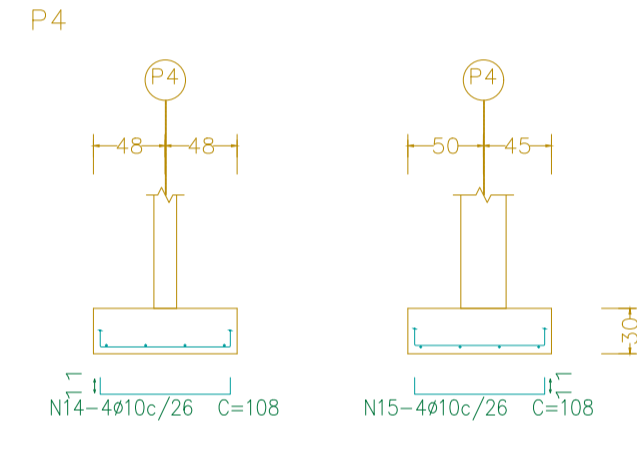
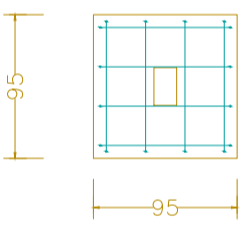
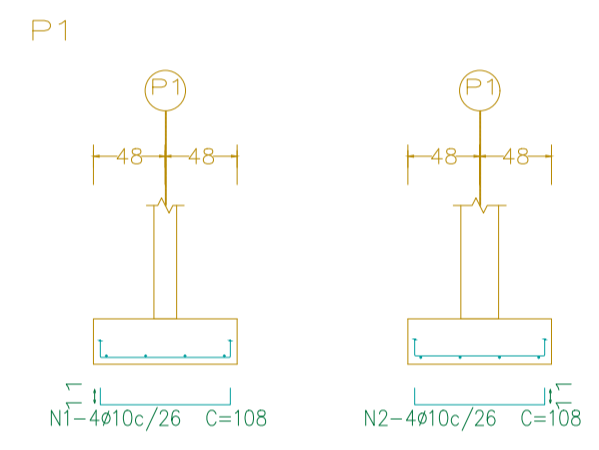
Locação de eixos e fundação
Fundação
 Esc. 1:50



Fundação
 Detalhamento fundação
 Concreto: C20, em geral
 Escala: 1:25



Elemento	Pos.	Diã.	Q.	Dob.	Ret.	Dob.	Comp.	Total	CA-50	CA-60	
		(cm)		(cm)	(cm)	(cm)	(cm)	(kg)	(kg)	(kg)	
P1	1	ø10	4	11	86	11	108	432	2.7		
	2	ø10	4	11	86	11	108	432	2.7		
	3	ø12.5	6	30	78		108	648	6.2		
	4	ø6.3	3		70		70	210	0.5		
									Total+10%	13.3	
P2	5	ø10	4	11	86	11	108	432	2.7		
	6	ø10	4	11	86	11	108	432	2.7		
	7	ø12.5	4	30	78		108	432	4.2		
	8	ø6.3	3		80		80	240	0.6		
									Total+10%	11.2	
P3	9	ø10	5	11	96	11	118	590	3.6		
	10	ø10	5	11	96	11	118	590	3.6		
	11	ø12.5	2	30	78		108	216	2.1		
	12	ø16	4	30	93		123	492	7.8		
13	ø6.3	3		90		90	270	0.7			
									Total+10%	19.6	
P4	14	ø10	4	11	86	11	108	432	2.7		
	15	ø10	4	11	86	11	108	432	2.7		
	16	ø16	4	30	93		123	492	7.8		
	17	ø6.3	3		80		80	240	0.6		
									Total+10%	15.2	
P5	18	ø10	5	11	96	11	118	590	3.6		
	19	ø10	5	11	96	11	118	590	3.6		
	20	ø12.5	4	30	78		108	432	4.2		
	21	ø6.3	3		70		70	210	0.5		
									Total+10%	13.1	
P6	22	ø10	4	11	86	11	108	432	2.7		
	23	ø10	4	11	86	11	108	432	2.7		
	24	ø12.5	2	30	78		108	216	2.1		
	25	ø16	4	30	93		123	492	7.8		
26	ø6.3	3		70		70	210	0.5			
									Total+10%	17.4	
P7=P8	27	ø10	4	11	86	11	108	432	2.7		
	28	ø10	4	11	86	11	108	432	2.7		
	29	ø12.5	4	30	78		108	432	4.2		
	30	ø6.3	3		70		70	210	0.5		
									Total+10%	11.1	
									(x2)	22.2	
P9	31	ø10	4	11	91	11	113	452	2.8		
	32	ø10	4	11	91	11	113	452	2.8		
	33	ø12.5	4	30	78		108	432	4.2		
	34	ø6.3	3		80		80	240	0.6		
									Total+10%	11.4	
P10	35	ø10	5	11	96	11	118	590	3.6		
	36	ø10	5	11	96	11	118	590	3.6		
	37	ø16	4	30	93		123	492	7.8		
	38	ø6.3	3		90		90	270	0.7		
									Total+10%	17.3	
P11	39	ø10	5	11	96	11	118	590	3.6		
	40	ø10	5	11	96	11	118	590	3.6		
	41	ø12.5	6	30	78		108	648	6.2		
	42	ø6.3	3		80		80	240	0.6		
									Total+10%	15.4	
P12	43	ø10	4	11	76	11	98	392	2.4		
	44	ø10	4	11	76	11	98	392	2.4		
	45	ø12.5	6	30	78		108	648	6.2		
	46	ø6.3	3		70		70	210	0.5		
									Total+10%	12.7	
									ø6.3:	7.5	0.0
									ø10:	78.5	0.0
									ø12.5:	48.5	0.0
									ø16:	34.3	0.0
									Total:	168.8	0.0



CONSIDERAÇÕES GERAIS:

- 01 - Normas de Referência:
 - * NBR 6123 - Forças Devidas ao Vento em Edificações;
 - * NBR 8800 - Projeto de Estruturas de Aço e de Estruturas Mistas de Aço e Concreto de Edifícios;
 - * NBR 6118 - Projeto de Estruturas de Concreto;
 - * NBR 6120 - Cargas para cálculo de estruturas em edificações;
 - * NBR 9050 - Acessibilidade a edificações, mobiliário, espaços e equipamentos urbanos.
- 02 - Todas as peças fabricadas são caracterizadas pelo aço-carbono ASTM A36, com excesso de parafusos, porcas e afins, que são fabricados em aço A307 e A325, quando de alta resistência;
- 03 - O concreto utilizado em pilares, vigas e lajes é o fck 20 MPa, à exceção dos blocos de concreto, que utilizam concreto fck 20 MPa.
- 04 - Cotas e medidas em centímetros, níveis em metros e descrição de materiais em milímetros ou polegadas, conforme nomes comerciais;
- 05 - Quaisquer alterações em obra devem ser revisadas pelo responsável técnico, não estando autorizada a execução sem confirmação.

EMISSÃO INICIAL	R00	14/04/2023	LUCAS
ALTERAÇÃO DE PROJETO - DESCRIÇÃO	VERSÃO	DATA	ALTERADO POR:

Projeto Estrutural - Concreto Armado

"DECLARO QUE O PRESENTE PROJETO ATENDE A TODA LEGISLAÇÃO MUNICIPAL VIGENTE"
 DIREITOS AUTORAIS RESERVADOS CONFORME ARTIGO 181 DO CÓDIGO PENAL, LEI 5.988 DO CÓDIGO CIVIL E RESOLUÇÃO CONFEA 205/71

FINALIDADE
 COMENTÁRIOS INFORMAÇÃO APROVAÇÃO COTAÇÃO CONSTRUÇÃO

PROJETO
 Sede Esportiva - Linha São Pedro

PROPRIETÁRIO Prefeitura Municipal de Tunápolis/SC CNPJ 78.486.198.0001-52	RESPONSÁVEL TÉCNICO Lucas Mulinari Schweitzer ENGENHEIRO CIVIL - CREA RS230475
LOCAL Rua São Teodoro, Linha São Pedro, S/N CEP 89898-000 Tunápolis/SC	DESCRIÇÃO VESTIÁRIOS Locação de Pilares Detalhamento de blocos de fundação
VERSÃO R00	PRANCHA 02/20
ÁREA TOTAL PROJETADA 242,00 m ²	DATA 14/04/2023
Nº ART 12502271	

