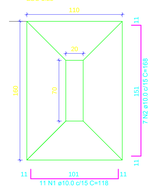
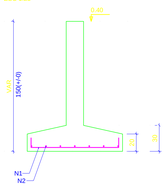
S6=S7

PLANTA
ESC 1:25

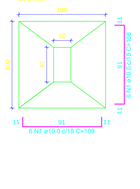


CORTE
ESC 1:25

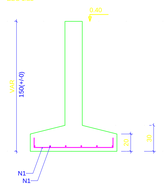


S9=S10=S18=S19=S20=S22=S23=S24=S27

PLANTA
ESC 1:25

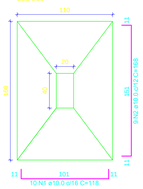


CORTE
ESC 1:25

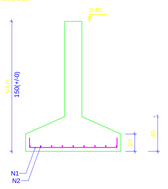


S16=S17

PLANTA
ESC 1:25

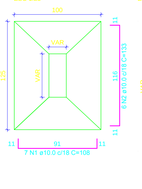


CORTE
ESC 1:25

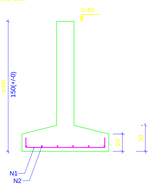


S21=S28=S37=S38

PLANTA
ESC 1:25

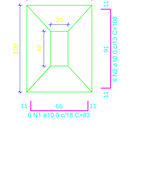


CORTE
ESC 1:25

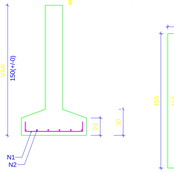


S25=S26=S29=S30=S39

PLANTA
ESC 1:25

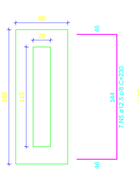


CORTE
ESC 1:25

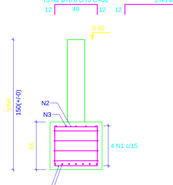


S1-11=S31-40

PLANTA
ESC 1:25

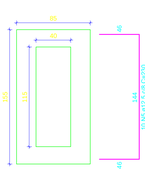


CORTE
ESC 1:25

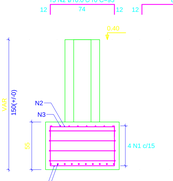


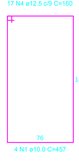
S2-12=S3-S13=S4-14=S32-41=S33-42=S34-43

PLANTA
ESC 1:25



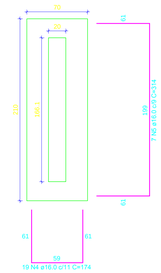
CORTE
ESC 1:25



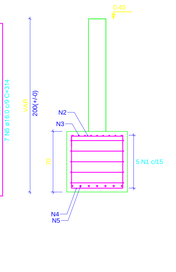


S45-47=S46-48

PLANTA
ESC 1:25

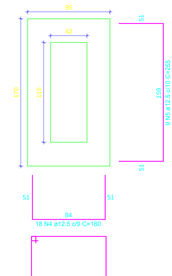


CORTE
ESC 1:25

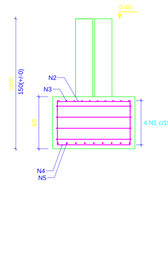


S5-8-15=S35-36-44

PLANTA
ESC 1:25



CORTE
ESC 1:25



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
2xS7	CA50	1	10.0	22	110	2596
	CA50	2	10.0	14	168	2352
9xS10	CA50	1	10.0	108	108	11664
2xS16	CA50	1	10.0	20	118	2360
	CA50	2	10.0	18	168	3024
5xS25	CA50	1	10.0	30	83	2490
	CA50	2	10.0	30	108	3240
4xS38	CA50	1	10.0	28	108	3024
	CA50	2	10.0	24	133	3192
2xS1-11	CA50	1	10.0	8	407	3256
	CA50	2	10.0	30	68	2040
	CA50	3	10.0	10	163	1630
	CA50	4	12.5	38	135	5130
	CA50	5	12.5	14	230	3220
6xS2-12	CA50	1	10.0	24	457	10968
	CA50	2	10.0	90	93	8370
	CA50	3	10.0	48	163	7824
	CA50	4	12.5	102	160	16320
	CA50	5	12.5	60	230	13800
2xS45-47	CA50	1	10.0	10	537	5370
	CA50	2	10.0	56	78	4524
	CA50	3	10.0	18	218	3924
	CA50	4	16.0	38	174	6612
	CA50	5	16.0	14	314	4396
2xS5-8-15	CA50	1	10.0	8	507	4056
	CA50	2	10.0	36	103	3708
	CA50	3	10.0	20	178	3560
	CA50	4	12.5	36	180	6480
	CA50	5	12.5	18	255	4590

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	931.7	574.4
	12.5	495.4	477.2
	16.0	110.1	173.7
PESO TOTAL (kg)			
CA50	1225.4		

Volume de concreto (C-30) = 15.60 m³
Área de forma = 53.39 m²

CLASSE DE AGRESSIVIDADE AMBIENTAL (NBR-6118:2014)	
II - MODERADO AMBIENTE URBANO	FATORES ATENUANTES: 1- Rigido controle de qualidade e de especificações de materiais e execução 2- Concreto e concretagem
COBRIMENTOS: Pilares: 3,0 cm Vigas: 2,5 cm Fundações: 4,0 cm Lajes: 2,5 cm	FATOR AGUA/CIMENTO DO CONCRETO: a/c < 0,55 CONSUMO DE CIMENTO: >=350 Kg/m³

NOTAS

1- Fck = 30 Mpa;
2- Aço CA-50, CA-60;
3- Cotas em centímetros;
4- Observar o ponto de prumada fixa na seção dos pilares;
5- Ver variação das dimensões dos pilares nas prenchas de detalhes de pilares
6- Atender a todas as exigências da NBR-6118/NBR-14931;
7- Fck mínimo de dosifirma = 20 Mpa;
8- Retirar o escoramento após 28 dias de sua concretagem, observando a cura do concreto de pelo menos 14 dias;
9- Manter escoramento total do andar abaixo, durante a concretagem e cura das vigas e lajes do andar acima;
10- Seguir, RIGOROSAMENTE, a distribuição das contra-flechas;
11- Diâmetro máximo do agregado graúdo <=19mm;
12- Sentido das nervuras → ;
13- Apicoar as contra-flechas (C.F.) indicadas no projeto e nas lajes com vão maiores que 3,00m (C.F. 10mm) e 4,00m (C.F. 15mm).

REVISÕES DA PRANCHA

Nº	COMENTÁRIO	AUTOR	DATA
01	Versão original - Detalhamento em conformidade com os aspectos costrutivos	Pablo Ferreira	22/06/2021

ASSINATURA DO RESPONSÁVEL TÉCNICO

ASSINATURA DO RESPONSÁVEL DA INSTITUIÇÃO

PRANCHA
05/22

PROJETO: Projeto Estrutural do Refeitório do Campus de Guarabira do IFPB
PROPRIETÁRIO: IFPB - Campus Guarabira
ENDEREÇO: Rua Professor Carlos Leonardo Arcoverde, s/n, Rodovia PB 057 - KM02

	DATA	RESPONSÁVEL	CREA	RUBRICA
DESENHO	03/2021	Pablo Ferreira - Eng. civil	160926894-6/PB	
PROJETO	03/2021	Pablo Ferreira - Eng. civil	160926894-6/PB	

OBSERVAÇÕES:
- Verificar todas as medidas no local;
- Em caso de dúvida, contactar o responsável técnico habilitado.

ESCALA:
1/25

DESENHO:
Armação das Sapatas
Legendas e Indicações

INSTITUTO FEDERAL
Paraíba

ARQUIVO
FIRMA | PMG