



Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)
Detalhamento fundação		
CA-50-A Ø10	139,6	96

Fundação
Piso
Escala: 5/50



FORMA DO FUNDO DA CISTERNA - NÍVEL -0,82
Escala: 1/50



FORMA DA TAMPA DA CISTERNA – NÍVEL +0,80
Escala: 1/50

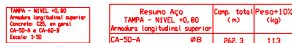
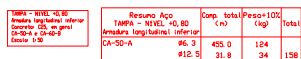


CORTE A-A
Escala: 1/50

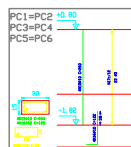
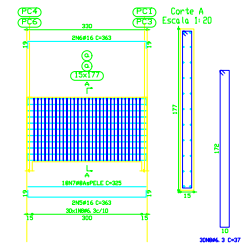
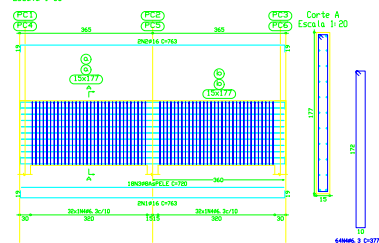
LEGENDA PILAR

 (NASCE)
 (MORRE)
 (SEGUE)

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ARMAÇÃO DAS LAJES DA TAMPA DA CISTERNA - NÍVEL +0,80
Escala: 1/50



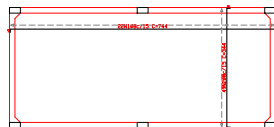
Pilares que terminam em TAMPA - NÍVEL +0,80
Concreto: C25, em geral
Aço: CA-50-A e CA-60-B
Escala horizontal: 1:20
Escala vertical: 1:50

Resumo Aço	Comp. total	Peso+10%	Total
TAMPA - NÍVEL +0,80	(m)	(kg)	
Pilares			
CA-50-A Ø10	91.7	63	63
CA-60-B Ø5	113.2	20	20
Total			83



FUNDO - NÍVEL -0,62
Armadura longitudinal inferior
Concreto: C25, em geral
CA-50-A e CA-60-B
Esp. 1,50

Resumo Aço FUNDO - NÍVEL -0,82 Amarras longitudinal inferior	Comp. total (m)	Peso+1 (kg)
CA-50-A Ø8	222,2	129



FUNDO - NIVEL: -0,82
Armadura longitudinal superior:
Concreto: C25, en general
CA-50-A e CA-60-B
Escala: 1:50

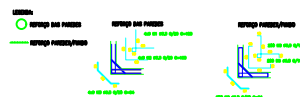
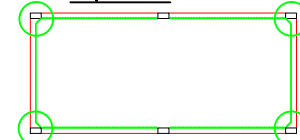
Resumo Aço	Comp. total	Peso+10%
FUNDO - NÍVEL -0,82	(m)	(kg)
Armadura longitudinal superior		
CA-50-A Ø8	332,2	143

ARMAÇÃO DAS LAJES DO FUNDO DA CISTERNA - NÍVEL -0,82

[illegible]

TABELA DE FERROS					
SPR. FOL.	SE.	QTD. (kg)	QTD. (kg)	QTD. (kg)	QTD. (kg)
RESUMO DO PERÍODO (13)					
01-01-01	1	0,3	20	100	01
01-01-02	2	0,3	20	100	01
01-01-03	3	0,3	20	100	01
01-01-04	4	0,3	200	200	01
01-01-05	5	0,3	200	100	20
01-01-06	6	0,3	200	01	100
RESUMO DO AGR+100					
FOLIO 01-01-01 a 0,3		1100,00kg		201	
FOLIO TOTAL 01-01				201	
PESO TOTAL = 201kg					

REFORÇOS DO RESERVATÓRIO

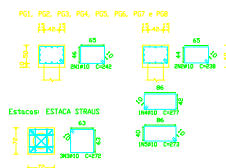


Elemento	Pos.	Dian Q	Dob Keta	Dob Comp	Tota (CA-50)	CA-50	CA-60
		(n)	(n)	(n)	(kg)	(kg)	(kg)
Armature longitudinali superiori	1 2	22 49	725 326	744 344	16369 16856	64.2	
				Tota (105)	143.4		
Armature longitudinali inferiori	3 4	25 49	730 330	730 330	16040 16170	63.0	
				Tota (105)	126.2		
				081	282.6	6.0	
				Tota	2.0		

NOMINAS			
1	001	001	001
2	002	002	002
3	003	003	003
4	004	004	004
5	005	005	005
6	006	006	006
7	007	007	007
8	008	008	008
9	009	009	009
10	010	010	010
11	011	011	011
12	012	012	012
13	013	013	013
14	014	014	014
15	015	015	015
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18	018	018	018
19	019	019	019
20	020	020	020
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22	022	022	022
23	023	023	023
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26	026	026	026
27	027	027	027
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99	099	099	099
100	100	100	100

MATCHBOOKS			
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3	003	003	003
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5	005	005	005
6	006	006	006
7	007	007	007
8	008	008	008
9	009	009	009
10	010	010	010
11	011	011	011
12			

[illegible]



FORMA DO PAVIMENTO TERREO DA GUARITA - NÍVEL +0.8



FORMA DO PAVIMENTO COBERTURA DA GUARITA – NÍVEL +3.60



FORMA DO PAVIMENTO COBERTURA DA GUARITA – NÍVEL +3.60



NORMAS			
100	101	102	103
104	105	106	107
108	109	110	111
112	113	114	115
116	117	118	119
120	121	122	123
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LEGENDA PILA

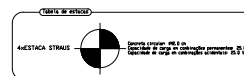
-  (NASCE)
-  (MORRE)
-  (SEGUE)

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Estosco: ESTACA STRAU
EXNOM12.5 C=217

CoCoS® ESTACA STRAU



Elemento	Pos	Dia	G	Bob	Peta	Bob	Comp	Total	EA-30	AA-60
				(cm)	(cm)	(cm)	(cm)	(kg)	(kg)	(kg)
P-PE	1	012	5	9	54	188	54	296	2664	86.1
	2	010	5	12	189	12	613	1917	12.0	0
	3	012	5	14	217	317	217	4438	43.5	0
	4	012	5	24	266	266	266	6384	62.6	0
								Total=1020	158.6	0
									317.2	0
								#10	38.4	0.0
								#12	903.8	0.0
								#17	217.2	0.0

Resumo Aço Fundação	Comp. total (m)	Peso+10% (kg)	Tota
Detalhamento Fundação			
CA-50-A Ø10	38.3	26	
Ø12.5	269.7	291	317

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MATERIALS

[illegible]

EXECUÇÃO DA ESTRUTURA

Exercício de responsabilidade - Exercício de

CARGAS ADOPTADAS PARA ESTE PROYECTO

	LSD & LMS, L7S, L7 & LMS, L8S & LMS, L9S, L9L, L10S - 600 kg/ Stomach to toe = 600 kg lighter
--	--

CARGAS ACIDENTAIS	15% LAR E LAR = 300 kg/m²
	15% LAR E LAR = 300 kg/m²
	15% LAR E LAR = 300 kg/m²
	15% LAR E LAR = 300 kg/m²

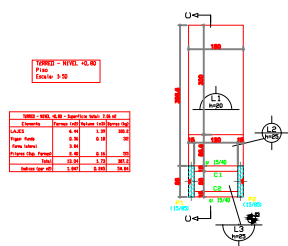
RECIBRIMENTOS

Label	Value
Vmax	0.8 m
Km	0.6 m

FUNDACIES

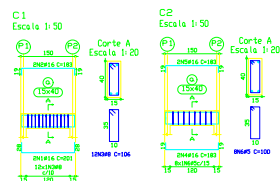
1. The following information is required for the purpose of the research:

- a. The name of the person who is the subject of the research.
- b. The date of birth of the person who is the subject of the research.
- c. The date of death of the person who is the subject of the research.
- d. The date of the research.
- e. The date of the research.
- f. The date of the research.
- g. The date of the research.
- h. The date of the research.
- i. The date of the research.
- j. The date of the research.
- k. The date of the research.
- l. The date of the research.
- m. The date of the research.
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- p. The date of the research.
- q. The date of the research.
- r. The date of the research.
- s. The date of the research.
- t. The date of the research.
- u. The date of the research.
- v. The date of the research.
- w. The date of the research.
- x. The date of the research.
- y. The date of the research.
- z. The date of the research.



FORMA DA BASE DO MASTRO
Escolha: 1/50

TABELA DE FERROS					
WFO POL.	ML	QUANT.	CARGA (mm)	C.T. (m)	
CH-05A	1	12,5	10	214	825
CH-05A	2	12,5	10	289	925
CH-05A	3	12,5	10	439	1000
CH-05A	4	8,5	24	149	1600
RESUMO DO AÇO +10M					
PEÇO CH-05A = 8,0		195,10 m		67,00 m	
PEÇO CH-05A = 12,5		214,98 m		233,2 m	
PEÇO TOTAL CH-05A				300,2 m	
PEÇO TOTAL = 300,2 m					



TUBO - NIVEL +0,80
 Desenho de vigas:
 Concreto: C25, em geral;
 Aço: CA-50-A e CA-50-B
 Cobria vigas: 1:50
 Escala: qualquer, de 1:10

Resumo Aço TERRED - NIVEL +0,80 Vigas	Comp. total (n)	Peso+10% (kg)	Total
CA-50-A Ø8	12.7	5	
Ø16	15.0	26	
CA-60-B Ø5	8.0	1	
Total			32

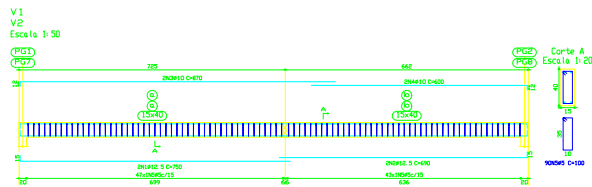
Resumo Aço TERREDO - NÍVEL +0,80 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø10	64.4	44	44
CA-60-B Ø5	61.6	11	11
Total			55

Pilares que terminam em
TÉRREO - NÍVEL +0,80
Concreto: C25, em geral
Aço: CA-50-A e CA-60-B
Escala horizontal: 1:20
Escala vertical: 1:50

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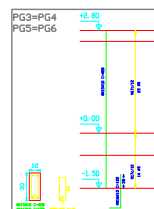
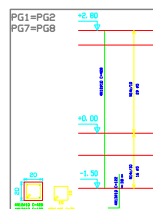
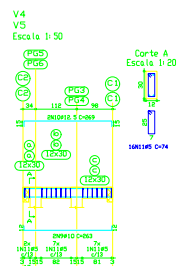
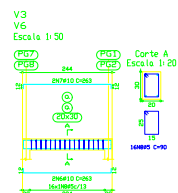
LEGENDA PILAR

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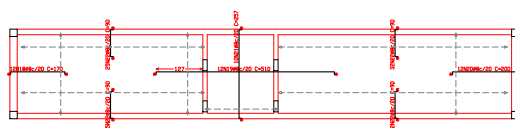
COBERTURA
Armadura de vigas
Concreto C25, em geral
Aço CA-50-A e CA-60-B
Escala vertical: 1:50

Resumo Aço	Comp. total	Peso+100%
COBERTURA	(m)	(kg)
Vigas	90.4	62
CA-50-A #10	48.4	74
CA-60-B #5	238.5	40
Total		176



Pilares que terminam em
COBERTURA
Concreto C25, em geral
Aço CA-50-A e CA-60-B
Escala horizontal: 1:20
Escala vertical: 1:50

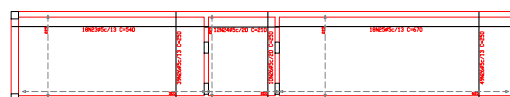
Resumo Aço	Comp. total	Peso+100%
COBERTURA	(m)	(kg)
Pilares	175.7	121
CA-50-A#10	43	43
CA-60-B#5	248.2	43
Total		164



COBERTURA
Armadura longitudinal superior
Concreto C25, em geral
Aço CA-50-A e CA-60-B
Escala: 1:50

Resumo Aço	Comp. total	Peso+100%
COBERTURA	(m)	(kg)
Armadura longitudinal superior	233.9	101
CA-50-A	#8	

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO COBERTURA DA QUARTA
Escala: 1/50



COBERTURA
Armadura longitudinal inferior
Concreto C25, em geral
Aço CA-50-A e CA-60-B
Escala: 1:50

Resumo Aço	Comp. total	Peso+100%
COBERTURA	(m)	(kg)
Armadura longitudinal inferior	488.0	84
CA-60-B	#5	

ARMAÇÃO POSITIVA DAS LAJES DO PAVIMENTO COBERTURA DA QUARTA
Escala: 1/50

Elemento	Pos	Dim	Comp	Peso	Peso+100%
V1-V2	1	#10	15	780	150
	2	#10	15	780	150
	3	#10	15	780	150
	4	#10	15	780	150
	5	#10	15	780	150
V3-V6	6	#10	15	780	150
	7	#10	15	780	150
	8	#10	15	780	150
	9	#10	15	780	150
	10	#10	15	780	150
V4-V5	11	#10	15	780	150
	12	#10	15	780	150
	13	#10	15	780	150
	14	#10	15	780	150
	15	#10	15	780	150
PG1=PG2=PG3=PG4	16	#10	15	780	150
	17	#10	15	780	150
	18	#10	15	780	150
	19	#10	15	780	150
	20	#10	15	780	150
PG5=PG6=PG7=PG8	21	#10	15	780	150
	22	#10	15	780	150
	23	#10	15	780	150
	24	#10	15	780	150
	25	#10	15	780	150

NORMAS

Normas de dimensionamento de estruturas de concreto armado e protendido, conforme a ABNT NBR 6118:2003 e a ABNT NBR 14931:2003.

MATERIAIS

Concreto: C25, em geral.

Aço: CA-50-A e CA-60-B.

EXCLUSÃO DA ESTRUTURA

As estruturas de concreto e aço não foram dimensionadas e detalhadas para este projeto.

CARGAS ADITADAS PARA ESTE PROJETO

As cargas aditadas para este projeto foram: carga de vento de 100 kg/m² e carga de neve de 50 kg/m².

RECOMENDACIONES

As recomendações para este projeto foram: usar concreto de qualidade e aço de boa qualidade.

REL. DATA: 01/01/2020

PROJETOS DE ESTRUTURA

pc projetos

CLIENTE: PREFEITURA DE CABO FRO

Local: Av. Henrique Terra - Lote 09 - Quadra 18

Novo Portinho - Cabo Frio - RJ

ESTRUTURA - QUARTA

PAV. COBERTURA - ARMAÇÃO DAS VIGAS, PIL. E LAJES

PC-202259

38

PC-PFTR-CF-EST-38-AR-PL-VG-LJ-COB-GRT-RD.DWG

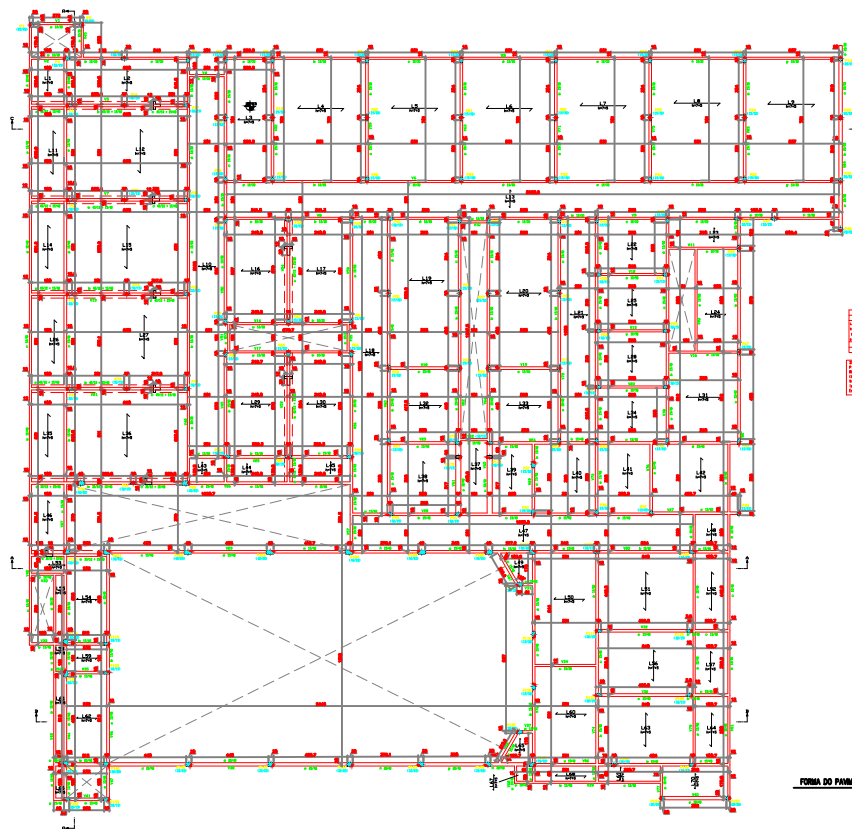


Exodus 1/78

LEGENDA PILAR

	(NASCE)
	(MORRE)
	(SEGUE)

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ITEM	QUANTIDADE	UNIDADE	VALOR
1.01	1,00	m³	1,00
1.02	1,00	m³	1,00
1.03	1,00	m³	1,00
1.04	1,00	m³	1,00
1.05	1,00	m³	1,00
1.06	1,00	m³	1,00
1.07	1,00	m³	1,00
1.08	1,00	m³	1,00
1.09	1,00	m³	1,00
1.10	1,00	m³	1,00
1.11	1,00	m³	1,00
1.12	1,00	m³	1,00
1.13	1,00	m³	1,00
1.14	1,00	m³	1,00
1.15	1,00	m³	1,00
1.16	1,00	m³	1,00
1.17	1,00	m³	1,00
1.18	1,00	m³	1,00
1.19	1,00	m³	1,00
1.20	1,00	m³	1,00

Quantidade de concreto para o piso superior, considerando a espessura de 10cm e a área de 100m².

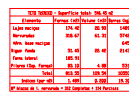
Obs: Este valor é apenas uma estimativa e deve ser confirmado pelo projeto de estrutura.

FORMA DO PAVIMENTO SUPERIOR - NÍVEL +3,80
Escala 1/50

LEGENDA PILAR

EM BRANCO	EM AZUL	EM VERDE
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PC PROJETO		PROJETO DE ESTRUTURA	
QUANTIDADE DE CONCRETO		ESTRUTURA	
FORMA DO PAVIMENTO SUPERIOR - NÍVEL +3,80		PC-202259	
04		04	
PC PROJETO DE ESTRUTURA			



FORMA DO PAVIMENTO TETO TÉCNICO - Nível +7.50

[illegible]

LEGENDA PILAR

	(NASCE)
	(MORRE)
	(SEGUE)

PC **PROJETOS DE ESTRUTURA**
pcprojetos@uol.com.br Tel: (22) 2845-8847
resp. tlc: PAULO AURENÇO-CREA 34183-D-R

CLIENTE: PREFEITURA DE CABO FRIO

Local: Av. Henrique Terra – Lote 09 – Quadra 16
Novo Portinho – Cabo Frio – RJ

ESTRUTURA
FORMA - PAVIMENTO TETO TÉCNICO - NÍVEL +7.50

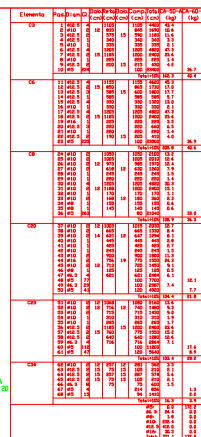
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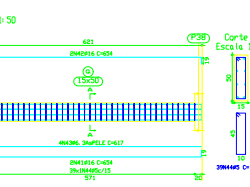
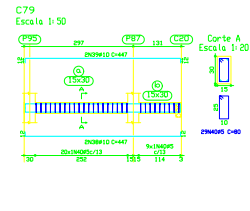


NAME 1. LAST NAME 2. FIRST NAME 3. MIDDLE NAME 4. SUFFIX 5. AKA 6. AKA 7. AKA 8. AKA 9. AKA 10. AKA 11. AKA 12. AKA 13. AKA 14. AKA 15. AKA 16. AKA 17. AKA 18. AKA 19. AKA 20. AKA 21. AKA 22. AKA 23. AKA 24. AKA 25. AKA 26. AKA 27. AKA 28. AKA 29. AKA 30. AKA 31. AKA 32. AKA 33. AKA 34. AKA 35. AKA 36. AKA 37. AKA 38. AKA 39. AKA 40. AKA 41. AKA 42. AKA 43. AKA 44. AKA 45. AKA 46. AKA 47. AKA 48. AKA 49. AKA 50. AKA 51. AKA 52. AKA 53. AKA 54. AKA 55. AKA 56. AKA 57. AKA 58. AKA 59. AKA 60. AKA 61. AKA 62. AKA 63. AKA 64. AKA 65. AKA 66. AKA 67. AKA 68. AKA 69. AKA 70. AKA 71. AKA 72. AKA 73. AKA 74. AKA 75. AKA 76. AKA 77. AKA 78. AKA 79. AKA 80. AKA 81. AKA 82. AKA 83. AKA 84. AKA 85. AKA 86. AKA 87. AKA 88. AKA 89. AKA 90. AKA 91. AKA 92. AKA 93. AKA 94. AKA 95. AKA 96. AKA 97. AKA 98. AKA 99. AKA 100. AKA 101. AKA 102. AKA 103. AKA 104. AKA 105. AKA 106. AKA 107. AKA 108. AKA 109. AKA 110. AKA 111. AKA 112. AKA 113. AKA 114. AKA 115. AKA 116. AKA 117. AKA 118. AKA 119. AKA 120. AKA 121. AKA 122. AKA 123. AKA 124. AKA 125. AKA 126. AKA 127. AKA 128. AKA 129. AKA 130. AKA 131. AKA 132. AKA 133. AKA 134. AKA 135. AKA 136. AKA 137. AKA 138. AKA 139. AKA 140. AKA 141. AKA 142. AKA 143. AKA 144. AKA 145. AKA 146. AKA 147. AKA 148. AKA 149. AKA 150. AKA 151. AKA 152. AKA 153. AKA 154. AKA 155. AKA 156. AKA 157. AKA 158. AKA 159. AKA 160. AKA 161. AKA 162. AKA 163. AKA 164. AKA 165. AKA 166. AKA 167. AKA 168. AKA 169. AKA 170. AKA 171. AKA 172. AKA 173. AKA 174. AKA 175. AKA 176. AKA 177. AKA 178. AKA 179. AKA 180. AKA 181. AKA 182. AKA 183. AKA 184. AKA 185. AKA 186. AKA 187. AKA 188. AKA 189. AKA 190. AKA 191. AKA 192. AKA 193. AKA 194. AKA 195. AKA 196. AKA 197. AKA 198. AKA 199. AKA 200. AKA 201. AKA 202. AKA 203. AKA 204. AKA 205. AKA 206. AKA 207. AKA 208. AKA 209. AKA 210. AKA 211. AKA 212. AKA 213. AKA 214. AKA 215. AKA 216. AKA 217. AKA 218. AKA 219. AKA 220. AKA 221. AKA 222. AKA 223. AKA 224. AKA 225. AKA 226. AKA 227. AKA 228. AKA 229. AKA 230. AKA 231. AKA 232. AKA 233. AKA 234. AKA 235. AKA 236. AKA 237. AKA 238. AKA 239. AKA 240. AKA 241. AKA 242. AKA 243. AKA 244. AKA 245. AKA 246. AKA 247. AKA 248. AKA 249. AKA 250. AKA 251. AKA 252. AKA 253. AKA 254. AKA 255. AKA 256. AKA 257. AKA 258. AKA 259. AKA 260. AKA 261. AKA 262. AKA 263. AKA 264. AKA 265. AKA 266. AKA 267. AKA 268. AKA 269. AKA 270. AKA 271. AKA 272. AKA 273. AKA 274. AKA 275. AKA 276. AKA 277. AKA 278. AKA 279. AKA 280. AKA 281. AKA 282. AKA 283. AKA 284. AKA 285. AKA 286. AKA 287. AKA 288. AKA 289. AKA 290. AKA 291. AKA 292. AKA 293. AKA 294. AKA 295. AKA 296. AKA 297. AKA 298. AKA 299. AKA 300. AKA 301. AKA 302. AKA 303. AKA 304. AKA 305. AKA 306. AKA 307. AKA 308. AKA 309. AKA 310. AKA 311. AKA 312. AKA 313. AKA 314. AKA 315. AKA 316. AKA 317. AKA 318. AKA 319. AKA 320. AKA 321. AKA 322. AKA 323. AKA 324. AKA 325. AKA 326. AKA 327. AKA 328. AKA 329. AKA 330. AKA 331. AKA 332. AKA 333. AKA 334. AKA 335. AKA 336. AKA 337. AKA 338. AKA 339. AKA 340. AKA 341. AKA 342. AKA 343. AKA 344. AKA 345. AKA 346. AKA 347. AKA 348. AKA 349. AKA 350. AKA 351. AKA 352. AKA 353. AKA 354. AKA 355. AKA 356. AKA 357. AKA 358. AKA 359. AKA 360. AKA 361. AKA 362. AKA 363. AKA 364. AKA 365. AKA 366. AKA 367. AKA 368. AKA 369. AKA 370. AKA 371. AKA 372. AKA 373. AKA 374. AKA 375. AKA 376. AKA 377. AKA 378. AKA 379. AKA 380. AKA 	
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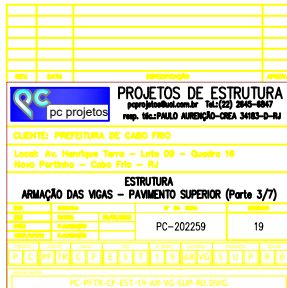
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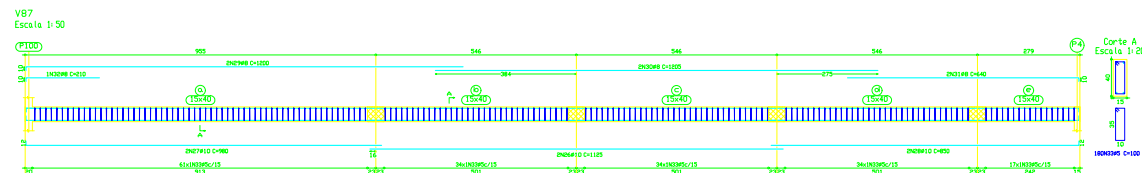
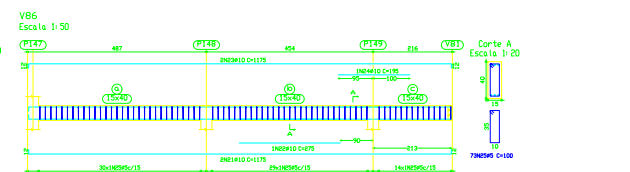
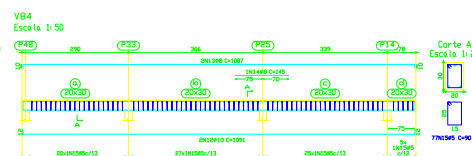
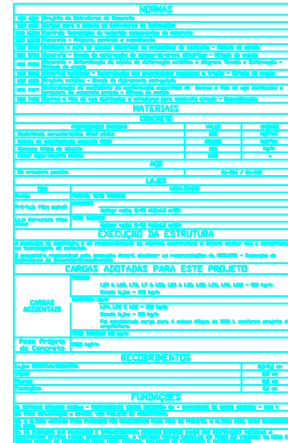
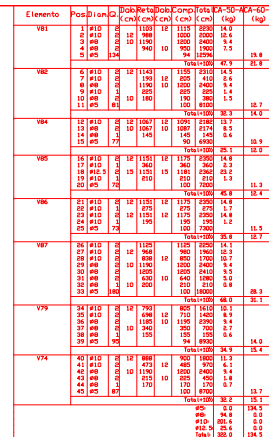
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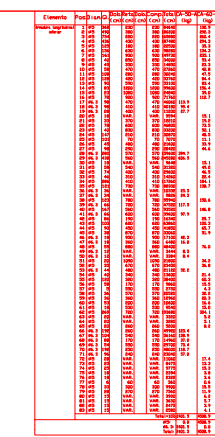
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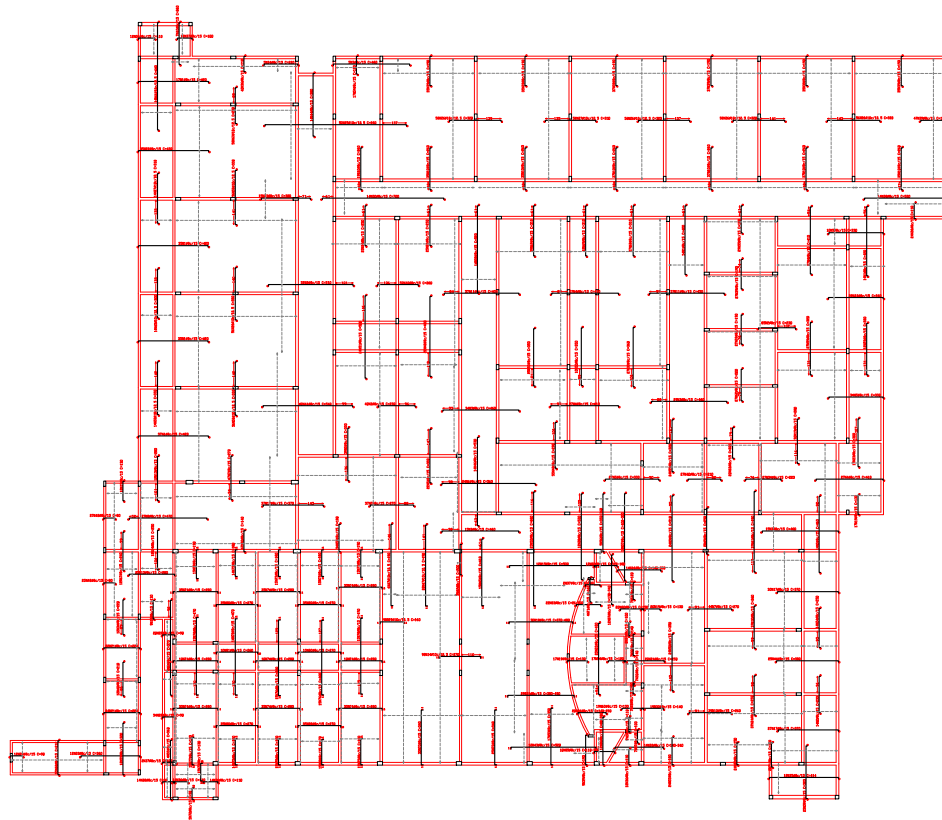
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TEMPO - BUREL +3,00
Aradare lungă tubului inferior
Conector: G2, ex. garaj
CA-10-4 • CA-10-5

1. NAME (Last, first, middle initial) [REDACTED]	
2. DATE OF BIRTH (mm/dd/yyyy) [REDACTED]	
3. SOCIAL SECURITY NUMBER (99-99-9999) [REDACTED]	
4. HOME ADDRESS (Street, city, state, zip) [REDACTED]	
5. TELEPHONE NUMBER (Area code, number) [REDACTED]	
6. EMPLOYER (Name, address, city, state, zip) [REDACTED]	
7. OCCUPATION (Job title, employer) [REDACTED]	
8. EDUCATION (School, degree, year) [REDACTED]	
9. MARITAL STATUS (Single, married, divorced, widowed) [REDACTED]	
10. NUMBER OF DEPENDENTS (Age, sex, date of birth) [REDACTED]	
11. ANNUAL INCOME (Gross, net, source) [REDACTED]	
12. CREDIT HISTORY (Banks, loans, credit cards) [REDACTED]	
13. CRIMINAL RECORD (Arrests, convictions, dates) [REDACTED]	
14. PSYCHIATRIC HISTORY (Mental health, treatments) [REDACTED]	
15. PHYSICAL HISTORY (Illnesses, surgeries, tests) [REDACTED]	
16. SUBSTANCE ABUSE HISTORY (Alcohol, drugs, use) [REDACTED]	
17. ADDITIONAL INFORMATION (Notes, comments) [REDACTED]	
18. SIGNATURE (Name, date) [REDACTED]	
19. OFFICIAL USE (Agency, date, signature) [REDACTED]	

Nome		Matrícula		Data	
		PROJETOS DE ESTRUTURAS Rua. Oliveira Assis - 020, 2002-5-01 São Paulo - SP			
CLIENTE: PRONETRA DE CUBA FRO Local: Av. Norberto Terra - Lote 09 - Quadra 05 Nova Friburgo - Cabo Frio - RJ					
ESTRUTURA ANÁLISE POSITIVA DAS LAJES PAV. TERMO - NÍVEL +0,00					
Data:		Projeto:		PC-202259	
1 2 3 4 5 6 7 8 9 10 11 12		13 14 15 16 17 18 19 20 21 22 23 24		25 26 27 28 29 30 31 32 33 34 35 36	



Quantidade	Descrição	Unidade	Valor
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1200	1200	1200	1200
1400	1400	1400	1400
1600	1600	1600	1600
1800	1800	1800	1800
2000	2000	2000	2000
2200	2200	2200	2200
2400	2400	2400	2400
2600	2600	2600	2600
2800	2800	2800	2800
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3200	3200	3200	3200
3400	3400	3400	3400
3600	3600	3600	3600
3800	3800	3800	3800
4000	4000	4000	4000
4200	4200	4200	4200
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4600	4600	4600	4600
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7200	7200	7200	7200
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10000	10000	10000	10000

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Requisito	Valor	Unidade	Valor
10000	10000	10000	10000
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14000	14000	14000	14000
16000	16000	16000	16000
18000	18000	18000	18000
20000	20000	20000	20000
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ANOTAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO TERREO - NIVEL +0.80

Escala 1/20

1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	6200	6400	6600	6800	7000	7200	7400	7600	7800	8000	8200	8400	8600	8800	9000	9200	9400	9600	9800	10000
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PROJETOS DE ESTRUTURA

PC PROJETO

QUANTO PROPOSTA DE CADA PROJETO

Local: Av. Henrique Torres - Lote 08 - Quadra 16

Rio de Janeiro - RJ

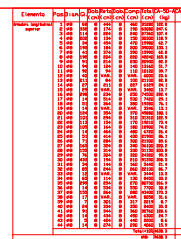
ESTRUTURA

ANOTAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO TERREO - NIVEL +0.80

PC-202259

28

PC-202259-01

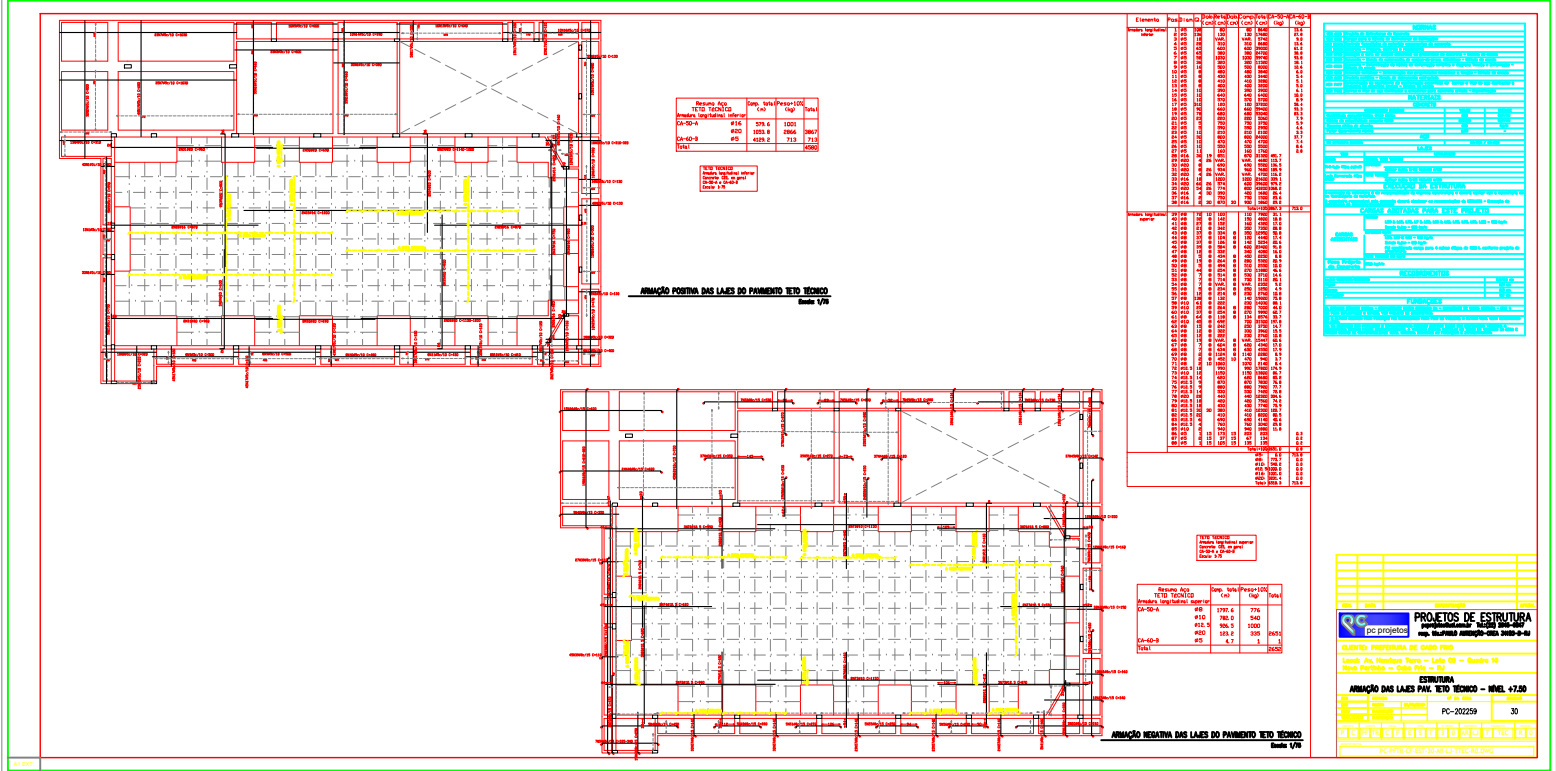
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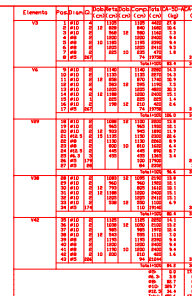
SUPERSEER = SUPERSEER + 3.60
 Amplitude longitudinal super
 Conductor 000, en gars
 CA-30-0 a CA-40-0
 Ensayo: 1.75

Resumo Aço SUPERIOR - NINEL +3,80 Avaliação longitudinal superior	Comp. total (m)	Peso+2 (kg)
CA-50-A	10740,3	4630

ARMAÇÃO NEGATIVA DAS LAJES DO PAVIMENTO SUPERIOR - NÍVEL +3.00
Escala: 1/20

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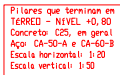
SUPERIOR - NIVEL 1
 Acabado de viga
 Concreto: C25, en gar
 Agua: CA-50-A e CA-60
 Carga viga: 1:50
 Carga a coluna: 1:25

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NORMAS			
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2	AS 1754	Reinforcing steel	Reinforcing steel
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