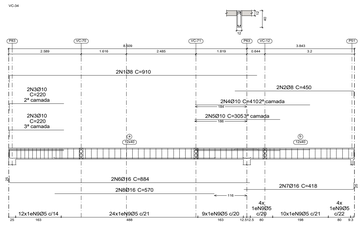

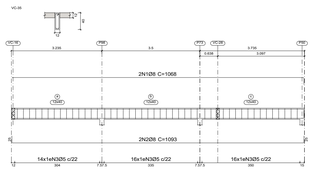

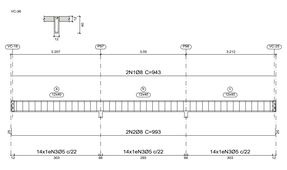

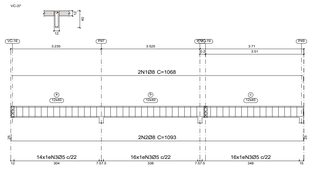

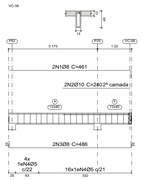

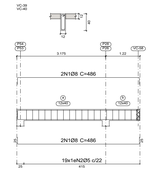

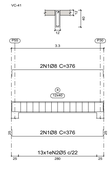

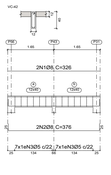

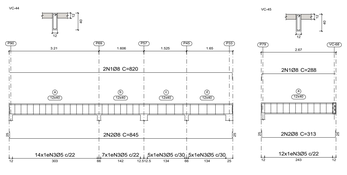

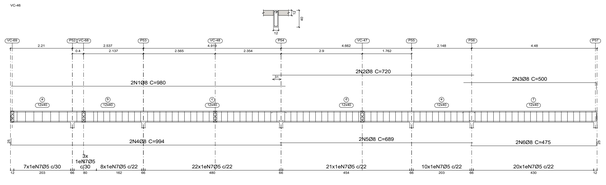

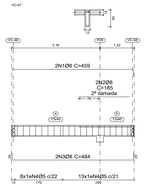

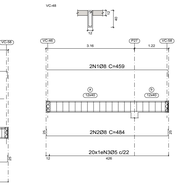

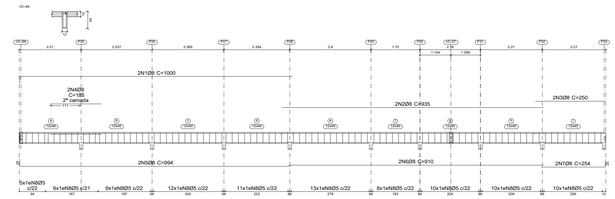

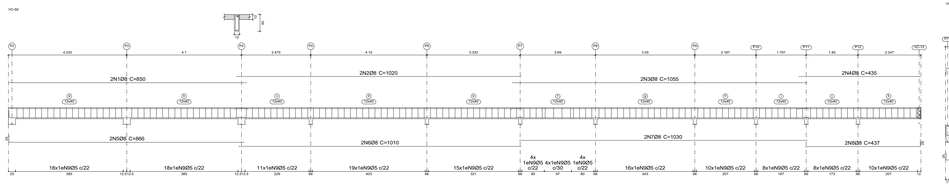

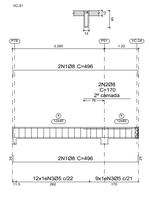

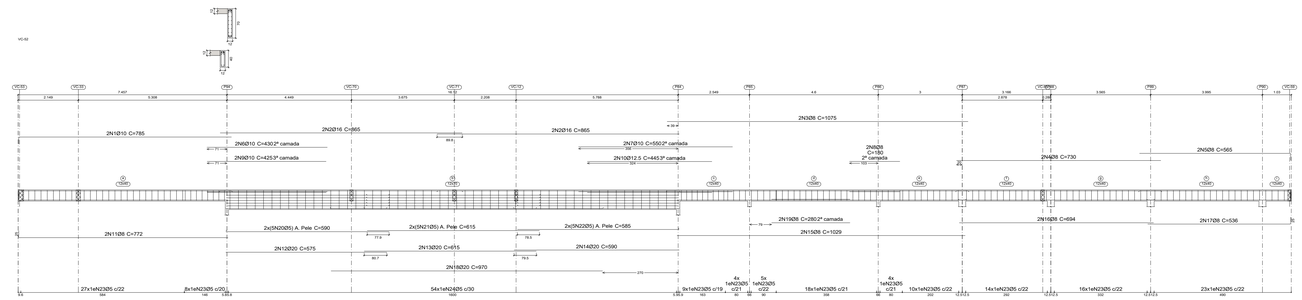

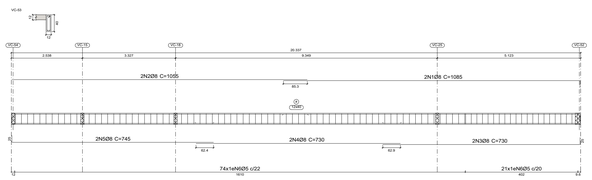

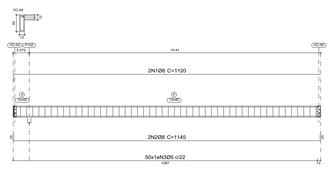

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
VC-50	1	Ø8	2	850	850	1700	6.7	
	2	Ø8	2	1020	1020	2040	8.1	
	3	Ø8	2	1055	1055	2110	8.3	
	4	Ø8	2	435	435	870	3.4	
	5	Ø8	2	841 (6)	866	1732	6.8	
	6	Ø8	2	1010	1010	2020	8.0	
	7	Ø8	2	1030	1030	2060	8.1	
	8	Ø8	2	412 (6)	437	874	3.5	
	9	Ø5	145	8 / 8	96	13920		21.9
					Total+10%:		58.2	24.1
VC-52	1	Ø10	2	760 (6)	785	1570	9.7	
	2	Ø16	4	865	865	3460	54.6	
	3	Ø8	2	1075	1075	2150	8.5	
	4	Ø8	2	730	730	1460	5.8	
	5	Ø8	2	540 (5)	565	1130	4.5	
	6	Ø10	2	430	430	860	5.3	
	7	Ø10	2	550	550	1100	6.8	
	8	Ø8	2	180	180	360	1.4	
	9	Ø10	2	425	425	850	5.2	
	10	Ø12.5	2	445	445	890	8.6	
	11	Ø8	2	747 (6)	772	1544	6.1	
	12	Ø20	2	575	575	1150	28.4	
	13	Ø20	2	615	615	1230	30.3	
	14	Ø20	2	590	590	1180	29.1	
	15	Ø8	2	1029	1029	2058	8.1	
	16	Ø8	2	694	694	1388	5.5	
	17	Ø8	2	511 (5)	536	1072	4.2	
	18	Ø20	2	970	970	1940	47.8	
	19	Ø8	2	280	280	560	2.2	
	20	Ø5	10	583	590	5900		9.3
	21	Ø5	10	615	615	6150		9.7
	22	Ø5	10	578	585	5850		9.2
	23	Ø5	138	8 / 8	96	13248		20.8
	24	Ø5	54	8 / 8	156	8424		13.2
					Total+10%:		299.3	68.4
VC-53	1	Ø8	2	1060 (6)	1085	2170	8.6	
	2	Ø5	2	1055	1055	2110	8.3	
	3	Ø8	2	705 (6)	730	1460	5.8	
	4	Ø8	2	730	730	1460	5.8	
	5	Ø8	2	720 (6)	745	1490	5.9	
	6	Ø5	95	8 / 8	96	9120		14.3
					Total+10%:		37.8	15.7
VC-54	1	Ø8	2	1094 (6)	1120	2240	8.8	
	2	Ø8	2	1094 (6)	1145	2290	9.0	
	3	Ø5	50	8 / 8	96	4800		7.5
					Total+10%:		19.6	8.3

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
VC-35	1	Ø8	2	1043 (6)	1068	2136	8.4	
	2	Ø8	2	1043 (6)	1093	2186	8.6	
	3	Ø5	46	8 / 8	96	4416		6.9
				Total+10%:			18.7	7.6
VC-36	1	Ø8	2	943	943	1886	7.4	
	2	Ø8	2	993 (6)	993	1986	7.8	
	3	Ø5	42	8 / 8	96	4032		6.3
				Total+10%:			16.7	6.9
VC-37	1	Ø8	2	1043 (6)	1068	2136	8.4	
	2	Ø8	2	1043 (6)	1093	2186	8.6	
	3	Ø5	46	8 / 8	96	4416		6.9
				Total+10%:			18.7	7.6
VC-39+VC-40	1	Ø8	4	436 (6)	486	1944	7.7	
	2	Ø5	19	8 / 8	96	1824		2.9
				Total+10%:			8.5	3.2
				(x2):			17.0	6.4
VC-38	1	Ø8	2	436 (6)	461	922	3.6	
	2	Ø10	2	240	240	480	3.0	
	3	Ø8	2	436 (6)	486	972	3.8	
	4	Ø5	20	8 / 8	96	1920		3.0
				Total+10%:			11.4	3.3
VC-34	1	Ø8	2	885 (6)	910	1820	7.2	
	2	Ø8	2	425 (6)	450	900	3.6	
	3	Ø10	2	195 (6)	220	880	5.4	
	4	Ø10	2	410	410	820	5.1	
	5	Ø10	2	305	305	610	3.8	
	6	Ø16	2	959 (6)	984	1768	27.9	
	7	Ø16	2	393 (6)	418	836	13.2	
	8	Ø16	2	570 (6)	570	1140	18.0	
	9	Ø5	63	8 / 8	96	6048		9.5
				Total+10%:			92.6	10.5
VC-41	1	Ø8	4	326 (6)	376	1504	5.9	
	2	Ø5	13	8 / 8	96	1248		2.0
				Total+10%:			6.5	2.2
VC-42	1	Ø8	2	326	326	652	2.6	
	2	Ø8	2	326 (6)	376	752	3.0	
	3	Ø5	14	8 / 8	96	1344		2.1
				Total+10%:			6.2	2.3
VC-43	1	Ø8	4	167 (6)	217	868	3.4	
	2	Ø5	7	8 / 8	96	672		1.1
				Total+10%:			3.7	1.2
VC-44	1	Ø8	2	795 (6)	820	1640	6.5	
	2	Ø8	2	795 (6)	845	1690	6.7	
	3	Ø5	31	8 / 8	96	2976		4.7
				Total+10%:			14.5	5.2
VC-45	1	Ø8	2	263 (6)	288	576	2.3	
	2	Ø8	2	263 (6)	313	626	2.5	
	3	Ø5	12	8 / 8	96	1152		1.8
				Total+10%:			5.3	2.0
VC-46	1	Ø8	2	980	980	1960	7.7	
	2	Ø8	2	720	720	1440	5.7	
	3	Ø8	2	475 (6)	500	1000	3.9	
	4	Ø8	2	969 (6)	994	1988	7.8	
	5	Ø8	2	689	689	1378	5.4	
	6	Ø8	2	450 (6)	475	950	3.8	
	7	Ø5	91	8 / 8	96	8736		13.7
				Total+10%:			37.7	15.1
VC-47	1	Ø8	2	434 (6)	459	918	3.6	
	2	Ø8	2	185	185	370	1.5	
	3	Ø8	2	434 (6)	484	968	3.8	
	4	Ø5	21	8 / 8	96	2016		3.2
				Total+10%:			9.8	3.5
VC-48	1	Ø8	2	434 (6)	459	918	3.6	
	2	Ø8	2	434 (6)	484	968	3.8	
	3	Ø5	20	8 / 8	96	1920		3.0
				Total+10%:			8.1	3.3
VC-49	1	Ø8	2	975 (6)	1000	2000	7.9	
	2	Ø8	2	935	935	1870	7.4	
	3	Ø8	2	250	250	500	2.0	
	4	Ø8	2	185	185	370	1.5	
	5	Ø8	2	969 (6)	994	1988	7.8	
	6	Ø8	2	910	910	1820	7.2	
	7	Ø8	2	229 (6)	254	508	2.0	
	8	Ø5	97	8 / 8	96	9312		14.6
				Total+10%:			39.4	16.1
VC-51	1	Ø8	4	646 (6)	496	1984	7.8	
	2	Ø8	2	170	170	340	1.3	
	3	Ø5	21	8 / 8	96	2016		3.2
				Total+10%:			10.0	3.5
				Ø5:		0.0		213.2
				Ø8:		398.8		0.0
				Ø10:		48.7		0.0
				Ø12.5:		9.5		0.0
				Ø16:		125.1		0.0
				Ø20:		149.1		0.0
				Total:		731.2		213.2

Piso 2
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:75
Escala seções 1:50
Escala aberturas 1:50

Aprovação:

PREFEITURA MUNICIPAL DE ARAPIRACA
Secretaria Municipal de Infraestrutura
PREFEITURA DE ARAPIRACA
PROGRAMA Vivers melhor ARAPIRACA SUSTENTÁVEL

PROJETO ESTRUTURAL

Título/ Obra:
Construção de Unidade Básica de Saúde-UBS (PORTE III)

Localização:
Rua Delmiro Gouveia, S/N, Bairro Caititus, Arapiraca - AL

Proprietário/ Responsável:
Prefeitura Municipal de Arapiraca - CNPJ: 12198693/ 0001-58

Autor do projeto: RENATA MONTE CAJUEIRO- CAU/AL A69370-7
Coautor do projeto:
Larissa Monte Cajueiro- CAU/AL A73249-4
Colaboradores:
Fernando Ferreira Tenório- CAU/AL A153804-7
Diogo dos Santos Albuquerque- CAU/AL A142964-7
Nome do Responsável Técnico - CREA: XXXX

Dados do Projeto:
Área do Terreno _____ 1,339.65m²
Área Construída total_____ 819.26m²
Área da Coberta _____ 847.73m²

Assunto: DETALHAMENTO DAS VIGASDE COBERTA - 02

Atenção: Conferir as Medidas no Local

Desenho: Gráfico - SEDUMA
Data: JULHO/2021
Escala: Indicada
Prancha Nº: 09/11