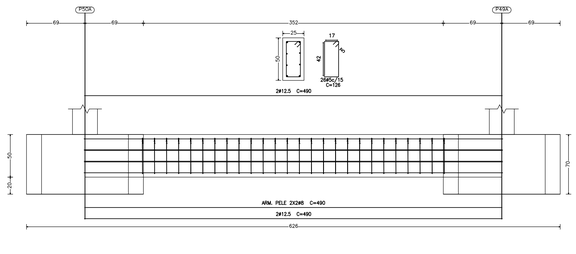
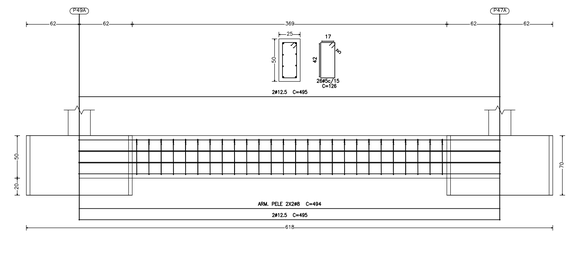
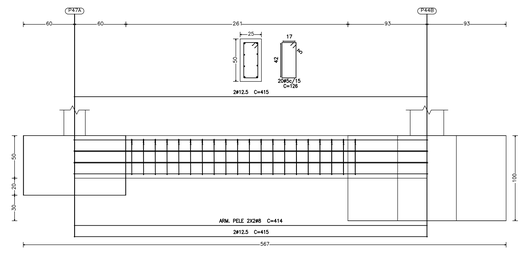
BAL 25X50 [P50A – P49A]



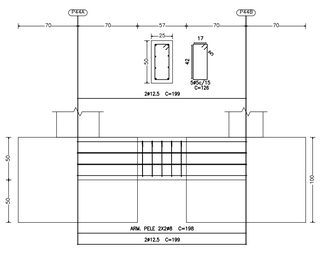
BAL 25X50 [P49A – P47A]



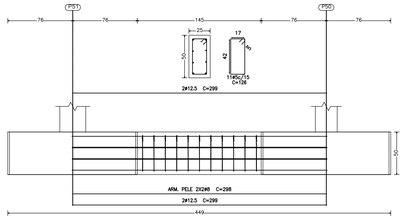
BAL 25X50 [P47A – P44B]



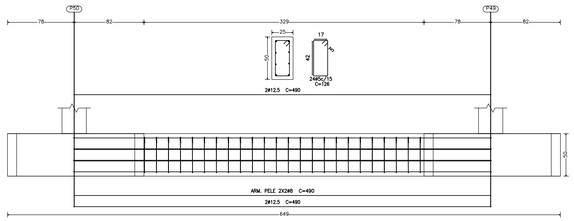
BAL 25X50 [P44A – P44B]



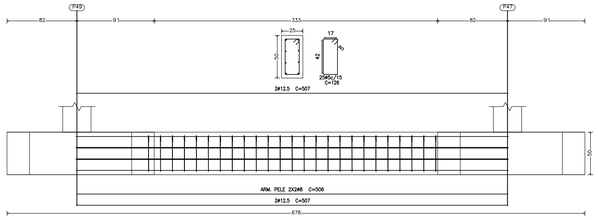
BAL 25X50 [P51 – P50]



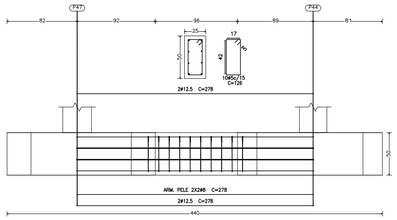
BAL 25X50 [P50 – P49]



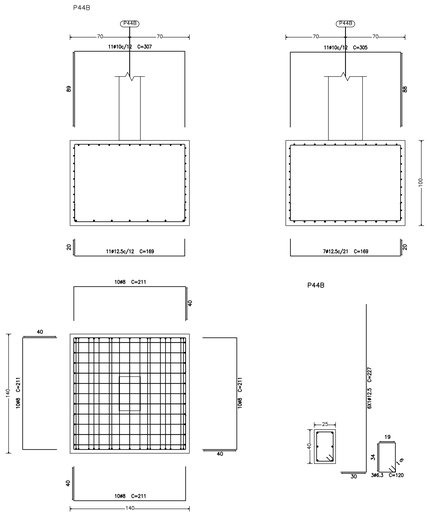
BAL 25X50 [P49 – P47]



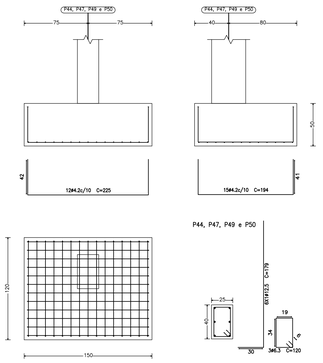
BAL 25X50 [P47 – P44]



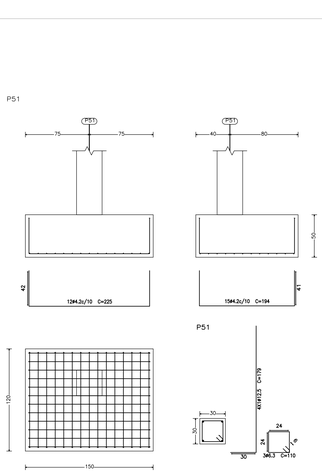
P44B

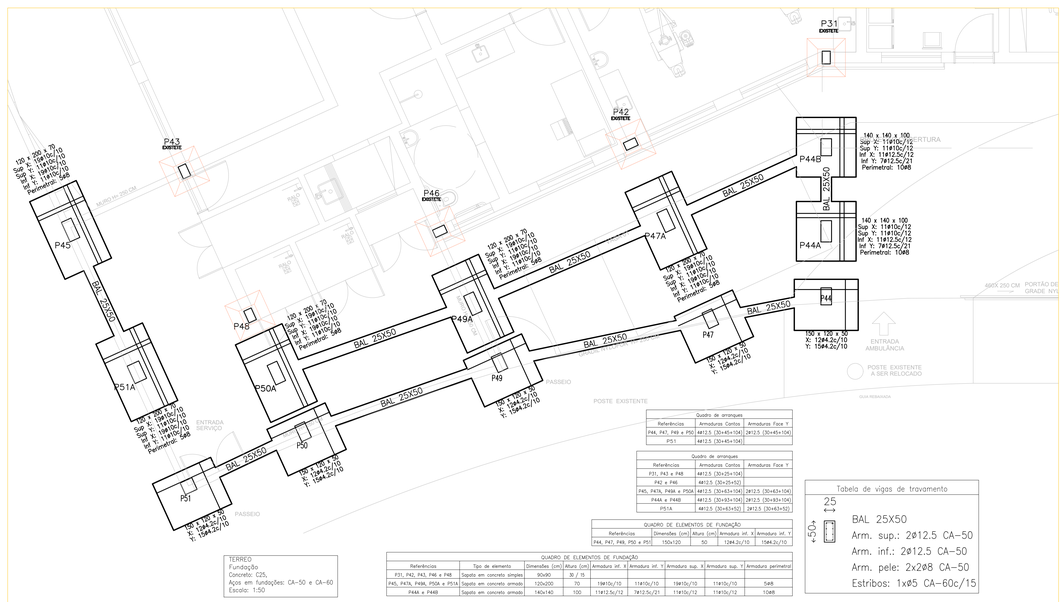


P44, P47, P49 e P50



P51





Quadro de arranques		
Referências	Armaduras Contos	Armaduras Face Y
P44, P47, P49 e P50	4ø12.5 (30×45×104)	2ø12.5 (30×45×104)
P51	4ø12.5 (30×45×104)	

Quadro de arranques		
Referências	Armaduras Contos	Armaduras Face Y
P31, P42 e P48	4ø12.5 (30×25×104)	
P42 e P46	4ø12.5 (30×25×52)	
P45, P47A, P49A e P50A	4ø12.5 (30×63×104)	2ø12.5 (30×63×104)
P44A e P44B	4ø12.5 (30×63×104)	2ø12.5 (30×63×104)
P51A	4ø12.5 (30×63×52)	2ø12.5 (30×63×52)

QUADRO DE ELEMENTOS DE FUNDAÇÃO							
Referências	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y	Armadura sup. X	Armadura sup. Y	Armadura perimetral
P44, P47, P49, P50 e P51	150x120	50	12ø4.2c/10	15ø4.2c/10			

QUADRO DE ELEMENTOS DE FUNDAÇÃO							
Referências	Tipo de elemento	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y	Armadura sup. X	Armadura sup. Y	Armadura perimetral
P31, P42, P43, P46 e P48	Sapata em concreto simples	90x90	30 / 15					
P45, P47A, P49A, P50A e P51A	Sapata em concreto armada	120x200	70	19ø10c/10	11ø10c/10	19ø10c/10	11ø10c/10	5ø8
P44A e P44B	Sapata em concreto armada	140x140	100	11ø12.5c/12	7ø12.5c/21	11ø10c/12	11ø10c/12	10ø8

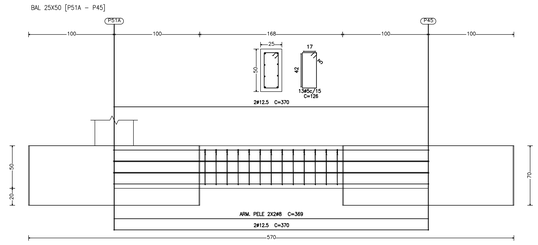
Tabela de vigas de travamento

BAL 25X50
Arm. sup.: 2ø12.5 CA-50
Arm. inf.: 2ø12.5 CA-50
Arm. pele: 2x2ø8 CA-50
Estribos: 1x⌀5 CA-60c/15

TERREO
Fundação
Concreto: C25,
Aços em fundações: CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P45=P47A=P49A=P50A	1	ø10	11	40	168	40	228	4332	26.7	
	2	ø10	11	53	168	53	276	3360	20.7	
	3	ø10	11	80	168	80	328	4330	26.7	
	4	ø10	11	53	188	53	376	3360	20.7	
	5	ø8	5	40	111	40	191	955	3.8	
	6	ø8	5	40	191	40	271	1355	5.4	
	7	ø8	5	40	191		271	955	3.8	
	8	ø8	5	40	191	40	271	1355	5.4	
	9	ø12.5	4	30	167		227	1362	13.1	
	10	ø6.3	5		140		140	700	1.7	
							Totais=>105		129.8	
P44A	11	ø12.5	11	20	125	20	165	1815	17.5	
	12	ø12.5	7	20	125	20	165	1155	11.1	
	13	ø10	11	89	129	89	307	3377	20.8	
	14	ø10	11	88	129	88	305	3355	20.7	
	15	ø8	5	40	111	40	191	955	3.8	
	16	ø8	10	40	151	40	231	2310	8.3	
	17	ø8	10	40	151	40	231	2310	8.3	
	18	ø8	10	40	151	40	231	2310	8.3	
	19	ø12.5	4	30	167		227	1362	13.1	
	20	ø6.3	5		140		140	700	1.7	
							Totais=>105		129.8	
P44B	21	ø12.5	11	20	165	20	205	2255	21.7	
	22	ø12.5	7	20	125	20	165	1155	11.1	
	23	ø10	11	89	129	89	307	3377	20.8	
	24	ø10	11	88	129	88	305	3355	20.7	
	25	ø8	5	40	111	40	191	955	3.8	
	26	ø8	10	40	151	40	231	2310	8.3	
	27	ø8	10	40	151	40	231	2310	8.3	
	28	ø8	10	40	151	40	231	2310	8.3	
	29	ø12.5	4	30	167		227	1362	13.1	
	30	ø6.3	5		140		140	700	1.7	
							Totais=>105		129.8	
P51A	31	ø10	19	60	168	60	228	4332	26.7	
	32	ø10	11	53	168	53	276	3360	20.7	
	33	ø10	11	80	168	80	328	4332	26.7	
	34	ø10	11	53	188	53	376	3360	20.7	
	35	ø8	5	40	111	40	191	955	3.8	
	36	ø8	5	40	191	40	271	1355	5.4	
	37	ø8	5	40	111	40	191	955	3.8	
	38	ø8	5	40	191	40	271	1355	5.4	
	39	ø12.5	4	30	115		145	870	8.4	
	40	ø6.3	5		140		140	700	1.7	
							Totais=>105		140.9	
BAL 25X50 [P51A - P45]	41	ø8	4		562		562	1474	5.8	
	42	ø12.5	2		370		370	740	7.1	
	43	ø12.5	2		370		370	740	7.1	
	44	ø5	103		126		126	1638		2.6
							Totais=>105		42.0	2.6
BAL 25X50 [P50A - P49A]	45	ø8	4		490		490	1266	4.7	
	46	ø12.5	2		490		490	980	9.4	
	47	ø12.5	2		490		490	980	9.4	
	48	ø5	26		126		126	3276		5.1
							Totais=>105		43.2	5.8
BAL 25X50 [P49A - P47A]	49	ø8	4		494		494	1274	4.8	
	50	ø12.5	2		490		490	990	9.5	
	51	ø12.5	2		490		490	990	9.5	
	52	ø5	26		126		126	3276		5.1
							Totais=>105		43.4	5.8
BAL 25X50 [P47A - P44B]	53	ø8	4		414		414	1806	6.5	
	54	ø12.5	2		415		415	830	8.0	
	55	ø12.5	2		415		415	830	8.0	
	56	ø5	26		126		126	2520		4.0
							Totais=>105		34.8	5.4
BAL 25X50 [P44A - P44B]	57	ø8	4		194		194	782	3.1	
	58	ø12.5	2		193		193	386	3.8	
	59	ø12.5	2		193		193	386	3.8	
	60	ø5	26		126		126	630		1.0
							Totais=>105		11.8	1.0
							P4.2	0.0	0.0	
							ø5	0.0	19.6	
							ø6.3	7.4	0.0	
							ø8	298.1	0.0	
							ø10	412.2	0.0	
							ø12.5	236.1	0.0	
							Total	984.7	19.6	

BAL 25X50 [P51A – P45]



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
BAL 25X50 [P47 - P47]	1	ø8	4		506		506	2024	8.9	
	2	ø12.5	2		507		507	1014	9.8	
	3	ø12.5	2		507		507	1014	9.8	
	4	ø5	25		126		126	3150		4.9
							Totais=>105		30.4	5.4
BAL 25X50 [P50 - P50]	5	ø8	4		298		298	1192	4.3	
	6	ø12.5	2		299		299	598	5.8	
	7	ø12.5	2		299		299	598	5.8	
	8	ø5	11		126		126	1386		2.2
							Totais=>105		17.9	2.4
BAL 25X50 [P50 - P49]	9	ø8	4		490		490	1960	7.1	
	10	ø12.5	2		490		490	980	9.4	
	11	ø12.5	2		490		490	980	9.4	
	12	ø5	24		126		126	3024		4.7
							Totais=>105		32.2	5.7
P44=P47=P49=P50	13	ø4.2	12	42	141	42	225	2700		2.9
	14	ø4.2	15	41	112	41	194	2910	10.3	3.2
	15	ø12.5	4	30	140		170	680	5.9	
	16	ø6.3			120		120	360		
							Totais=>105		17.3	6.1
							+4%		43.2	26.8
BAL 25X50 [P47 - P44]	17	ø8	4		278		278	1112	4.4	
	18	ø12.5	2		278		278	556	5.4	
	19	ø12.5	2		278		278	556	5.4	
	20	ø5	26		126		126	3276		2.0
							Totais=>105		16.1	2.2
P51	21	ø4.2	12	42	141	42	225	2700		2.9
	22	ø4.2	12	41	112	41	194	2328	10.1	3.2
	23	ø12.5	4	30	140		170	716	6.9	
	24	ø6.3			120		120	360	0.8	
							Totais=>105		8.5	6.7
							ø5	0.0	0.0	15.2
							ø8	27.5	0.0	0.0
							ø12.5	119.7	0.0	0.0
							Total	151.3	68.7	68.7

ÁREA DESTINADA A CARIMBOS E ASSINATURAS

NOTAS

REV.	DATA	DESCRIÇÃO
00	26/07/2023	EMISSÃO INICIAL

SECRETARIA MUNICIPAL DE OBRAS
DEPARTAMENTO DE ENGENHARIA E ARQUITETURA

SECRETÁRIO DE OBRAS	BRUNO MÁRCIO MOREIRA ALMEIDA	
RESPONSÁVEL TÉCNICO	ANDRÉ DA SILVA MACHADO	112452/D
PROJETISTA	ANDRÉ DA SILVA MACHADO	

PREFEITURA MUNICIPAL DE SANTA LUZIA
ADM. LUIZ SÉRGIO FERREIRA COSTA

NÚMERO	DISCIPLINA	ETAPA	DATA
000	ESTRUTURAS	PROJETO BÁSICO	26/07/2023

CONTEÚDO DA PRANCHA: NOME DO PROJETO
PROJETO COMPLEMENTAR DE ESTRUTURA DE CONCRETO
UBS VIRGENS DOS POBRES - FUNDAÇÃO COMPLEMENTAR

FOLHA: 02/03
REVISÃO: 00

DIREITOS RESERVADOS (LEI FEDERAL 9.610 DE 19/2/1998).
A REPRODUÇÃO OU EXECUÇÃO TOTAL OU PARCIAL DESTE PROJETO, SEM PRÉVIA AUTORIZAÇÃO, SUJEITA O RESPONSÁVEL ÀS MEDIDAS LEGAIS CABÍVEIS.

NOME DO ARQUIVO: 000-04-ABR-CC-00000.DWG