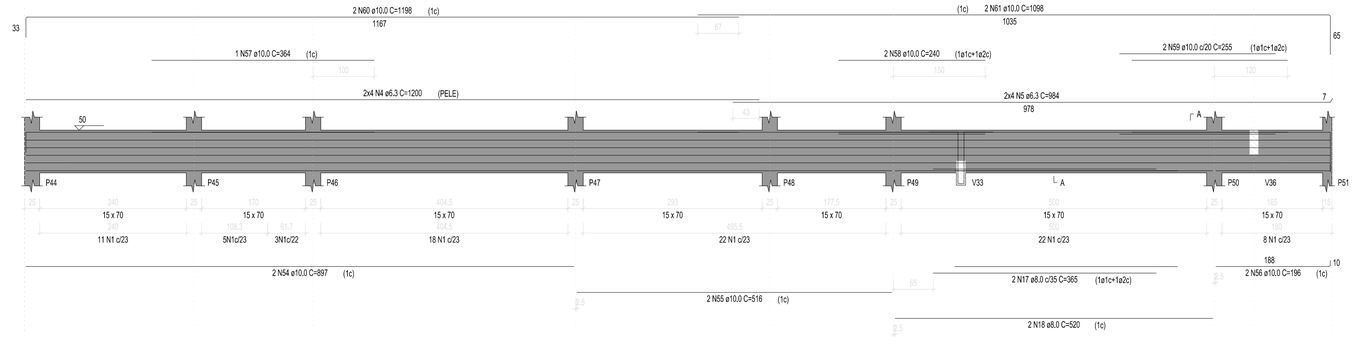
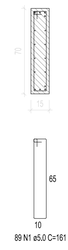
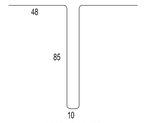
V14
ESC 1:50



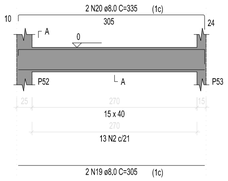
SEÇÃO A-A
ESC 1:25



SUSPENSÃO V33
ESC 1:25

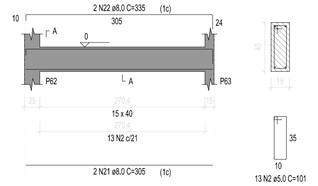


V15
ESC 1:50



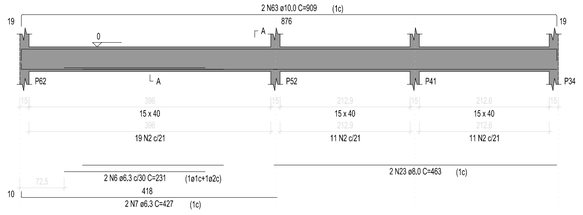
SEÇÃO A-A
ESC 1:25

V17
ESC 1:50

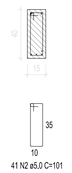


SEÇÃO A-A
ESC 1:25

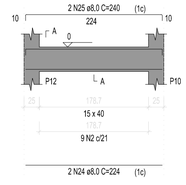
V18
ESC 1:50



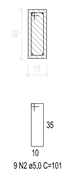
SEÇÃO A-A
ESC 1:25



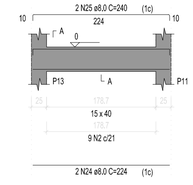
V19
ESC 1:50



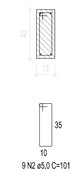
SEÇÃO A-A
ESC 1:25



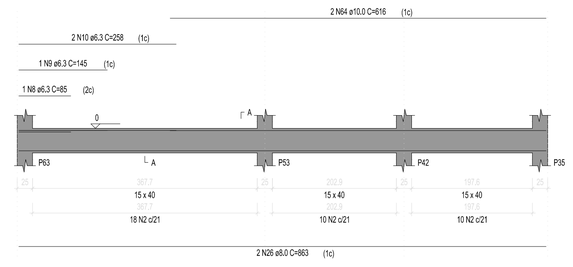
V20
ESC 1:50



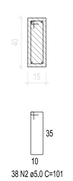
SEÇÃO A-A
ESC 1:25



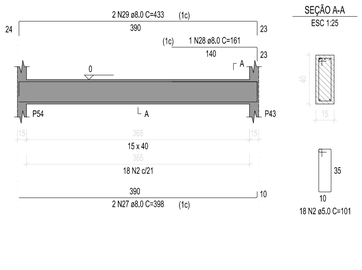
V21
ESC 1:50



SEÇÃO A-A
ESC 1:25

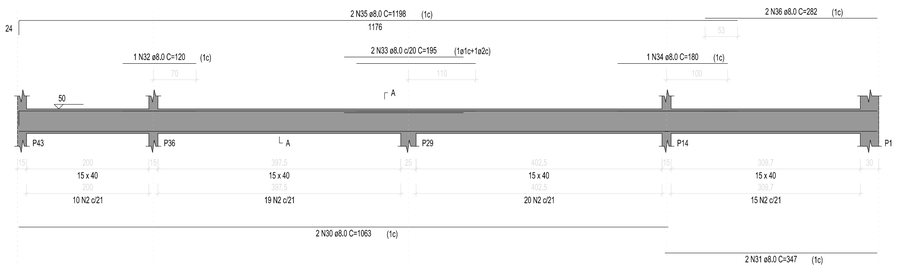


V22
ESC 1:50



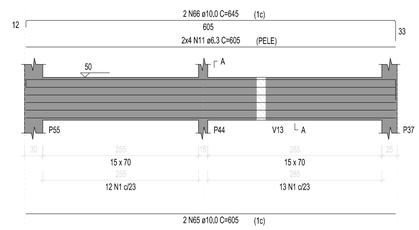
SEÇÃO A-A
ESC 1:25

V23
ESC 1:50

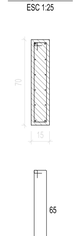


SEÇÃO A-A
ESC 1:25

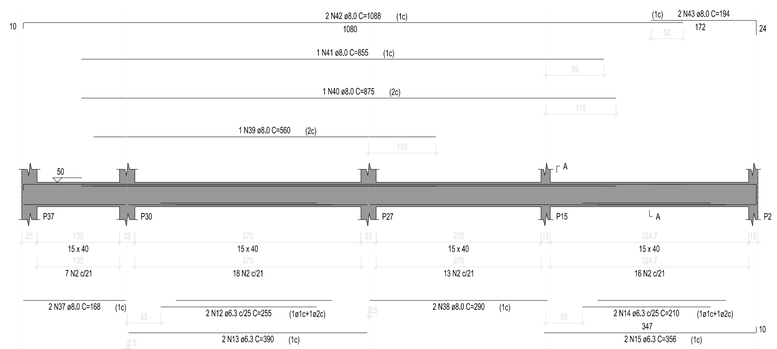
V24
ESC 1:50



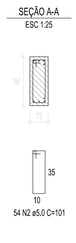
SEÇÃO A-A
ESC 1:25



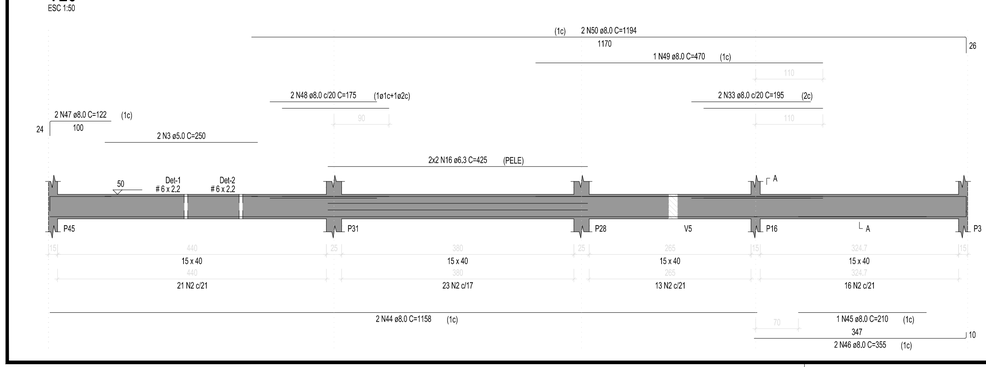
V25
ESC 1:50



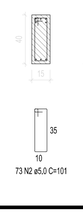
SEÇÃO A-A
ESC 1:25



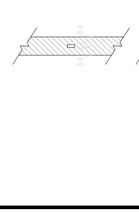
V26
ESC 1:50



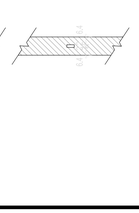
SEÇÃO A-A
ESC 1:25



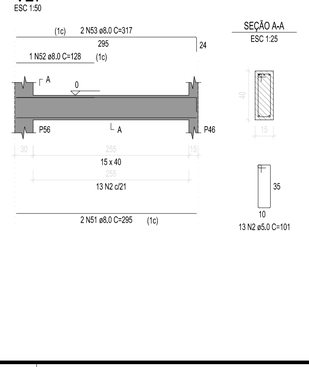
DET-1
ESC 1:25



DET-2
ESC 1:25



V27
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V14	V15	V17
V18	V19	V20
V21	V22	V23
V24	V25	V26
V27		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	114	161	18354
	2	5,0	345	101	34845
	3	5,0	2	250	500
CA50	4	6,3	8	1200	9600
	5	6,3	8	984	7872
	6	6,3	2	231	462
	7	6,3	2	427	854
	8	6,3	1	85	85
	9	6,3	1	145	145
	10	6,3	2	258	516
	11	6,3	8	605	4840
	12	6,3	2	255	510
	13	6,3	2	390	780
	14	6,3	2	210	420
	15	6,3	2	356	712
	16	6,3	4	425	1700
	17	8,0	2	365	730
	18	8,0	2	520	1040
	19	8,0	2	305	610
	20	8,0	2	335	670
	21	8,0	2	305	610
	22	8,0	2	335	670
	23	8,0	2	463	926
	24	8,0	4	224	896
	25	8,0	4	240	960
	26	8,0	2	863	1726
	27	8,0	2	398	796
	28	8,0	1	161	161
	29	8,0	2	433	866
	30	8,0	2	1063	2126
	31	8,0	2	347	694
	32	8,0	1	120	120
	33	8,0	4	195	780
	34	8,0	1	180	180
	35	8,0	2	1198	2396
	36	8,0	2	282	564
	37	8,0	2	168	336
	38	8,0	2	290	580
	39	8,0	1	560	560
	40	8,0	1	875	875
	41	8,0	1	855	855
	42	8,0	2	1088	2176
	43	8,0	2	194	388
	44	8,0	2	1158	2316
	45	8,0	1	210	210
	46	8,0	2	355	710
	47	8,0	2	122	244
	48	8,0	2	175	350
	49	8,0	1	470	470
	50	8,0	2	1194	2388
	51	8,0	2	295	590
	52	8,0	1	128	128
	53	8,0	2	317	634
	54	10,0	2	897	1794
	55	10,0	2	516	1032
	56	10,0	2	196	392
	57	10,0	1	364	364
	58	10,0	2	240	480
	59	10,0	2	255	510
	60	10,0	2	1198	2396
	61	10,0	2	1098	2196
	62	10,0	1	267	267
	63	10,0	2	909	1818
	64	10,0	2	616	1232
	65	10,0	2	605	1210
	66	10,0	2	645	1290

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	285	76,7
	8.0	313,3	136
	10.0	149,8	101,6
CA60	5.0	537	91

PESO TOTAL (kg)	
CA50	314.3
CA60	91

Volume de concreto (C-30) = 7,47 m³
Área de forma = 115,22 m²

REV.	MODIFICAÇÃO	DATA	AUTOR(ES) DO PROJETO	DESENHISTA(S)	APROVO
00	REVISÃO SOLICITADA PELA FISCALIZAÇÃO	10/05/2019	GEORGE BEZERRA	MATEUS SOTERO	
00	EMISSÃO INICIAL	29/03/2019	GEORGE BEZERRA	MATEUS SOTERO	

ESPAÇO PARA APROVAÇÃO/ CARIMBO:

ESPAÇO PARA CÁLCULO DE ÁREA:				
ÁREA DO TERRENO	1800.00 m²			
ÁREA DO GALPÃO EXISTENTE	1040.00 m²			
ÁREA DA CONSTRUÇÃO NOVA (UPR)	463.26 m²			

PROPRIETÁRIO: SESC UPR

RESPONSÁVEL TÉCNICO:

PROJETO: GEORGE MAGNO BEZERRA PEIXOTO / CREA 020340337-1

PROJETO DE FUNDAÇÃO

OBRA:
CONSTRUÇÃO DA UNIDADE DE PRODUÇÃO DE REFEIÇÕES DO SESC

ENDEREÇO DO EMPREENDIMENTO:
AV. SENADOR LEMOS Nº 2056 - TELÉGRAFO
BÉLEM-PA

DESENHO: MATEUS SOTERO

CLIENTE:
SERVIÇO SOCIAL DO COMÉRCIO
DEPARTAMENTO REGIONAL DO ESTADO DO PARÁ

IDENTIFICAÇÃO DO PROJETO:
DETALHAMENTO DE VIGAS (02/03)

Nº DA PRANCHA:
FUN 07/13

CODIFICAÇÃO DO ARQUIVO:
01.PE.FUN-2019.05

ESCALA:
INDICADA

ESTE PROJETO NÃO PODERÁ SOFRER ALTERAÇÕES SEM ORDENS EXPRESSAS DO AUTOR