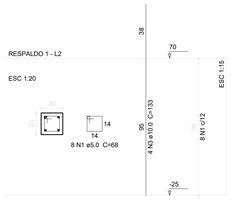
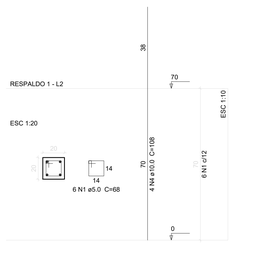
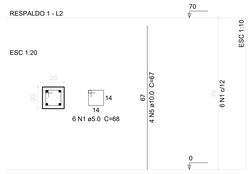
P1=P19=P26=P31=P38=P45



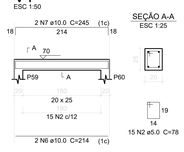
P2=P3=P4=P5=P6=P7=P8=P9=P10=P20=P27=P32 =P39=P46=P47=P48=P49=P50=P51=P52=P53 =P54



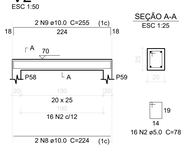
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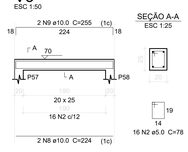
V1
ESC 1:50



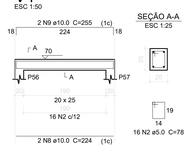
V2
ESC 1:50



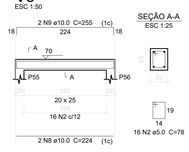
V3
ESC 1:50



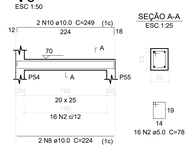
V4
ESC 1:50



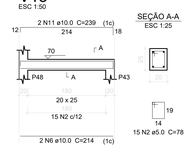
V5
ESC 1:50



V6
ESC 1:50



V13
ESC 1:50



Relação do aço

RESPALDO 1:	6xP1	22xP2	
	32xP11	V1	
	V2	V3	
	V4	V5	
	V6	V13	
	V14	V15	
	V16	V17	
	V18	V19	
	V20	V21	
	V28	V29	
	V30	V31	
	V32	V33	
	V34	V35	
	V36	V37	
	V38	V39	
	V40	V41	
	V42	V45	
	V46	V47	
	V48	V49	
RESPALDO 2:	6xP1	22xP2	
	V7	V8	
	V9	V10	
	V11	V12	
	V22	V23	
	V24	V25	
	V26	V27	
	V43	V44	
	V50	V51	
	V52	V53	
	V54	V55	
	V56	V57	
	V58	V59	

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	536	68	36448
	2	5.0	1115	78	86970
CA50	3	10.0	24	133	3192
	4	10.0	88	108	9504
	5	10.0	128	67	8576
	6	10.0	38	214	8132
	7	10.0	36	245	8820
	8	10.0	40	224	8960
	9	10.0	36	255	9180
	10	10.0	4	249	996
	11	10.0	2	239	478
	12	10.0	4	222	888
	13	10.0	4	251	1004
	14	10.0	4	194	776
	15	10.0	2	219	438
	16	10.0	2	225	450
	17	10.0	6	394	2364
	18	10.0	2	426	852
	19	10.0	18	414	7452
	20	10.0	4	458	1832
	21	10.0	2	448	896
	22	10.0	24	97	2328
	23	10.0	88	47	4136
	24	10.0	4	234	936
	25	10.0	4	265	1060
	26	10.0	4	264	1056
	27	10.0	4	295	1180
	28	10.0	2	456	912
	29	10.0	4	458	1832
	30	10.0	4	457	1828
	31	10.0	4	433	1732
	32	10.0	2	456	912

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	927.1	628.7
CA60	5.0	1234.2	209.3
PESO TOTAL			
CA50	628.7		
CA60	209.3		

Vol. de concreto total (C-25) = 10.23 m³
Área de forma total = 157.74 m²

V14
ESC 1:50



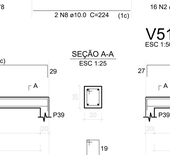
V15
ESC 1:50



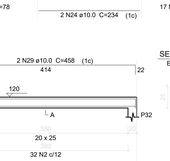
V16
ESC 1:50



V17
ESC 1:50



V18
ESC 1:50



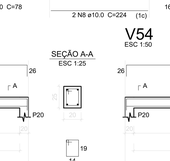
V19
ESC 1:50



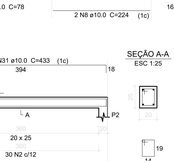
V20
ESC 1:50



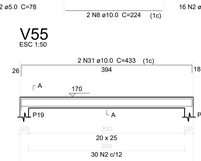
V21
ESC 1:50



V28
ESC 1:50



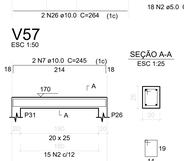
V29
ESC 1:50



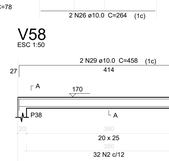
V30
ESC 1:50



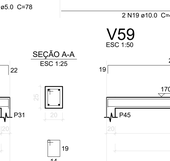
V31
ESC 1:50



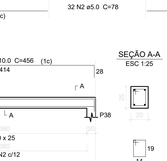
V32
ESC 1:50



V33
ESC 1:50



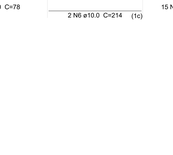
V34
ESC 1:50



V35
ESC 1:50



V36
ESC 1:50

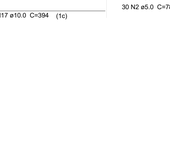


V37
ESC 1:50



V38
ESC 1:50

V39
ESC 1:50



V40
ESC 1:50

V41
ESC 1:50



V42
ESC 1:50



V45
ESC 1:50



V46
ESC 1:50

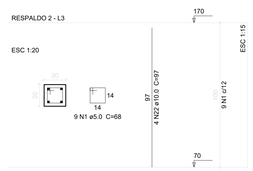


V47
ESC 1:50

V48
ESC 1:50

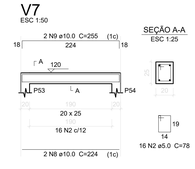
V49
ESC 1:50

P1=P19=P26=P31=P38=P45



P2=P3=P4=P5=P6=P7=P8=P9=P10=P20=P27=P32 =P39=P46=P47=P48=P49=P50=P51=P52=P53 =P54

V7
ESC 1:50



V8
ESC 1:50

V9
ESC 1:50

V10
ESC 1:50

V11
ESC 1:50

V12
ESC 1:50

V22
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V23
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V24
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V25
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V26
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V27
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V43
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V44
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V50
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V51
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V52
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V53
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V54
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V55
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V56
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V57
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V58
ESC 1:50

V59
ESC 1:50

PREFEITURA MUNICIPAL DE SERRANIA
CNPJ: 18.243.261/0001-06

Proprietário:	PREFEITURA MUNICIPAL DE SERRANIA
Projeto:	ESTRUTURAL
Ref.:	PILARES E VIGAS
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	Folha: 04