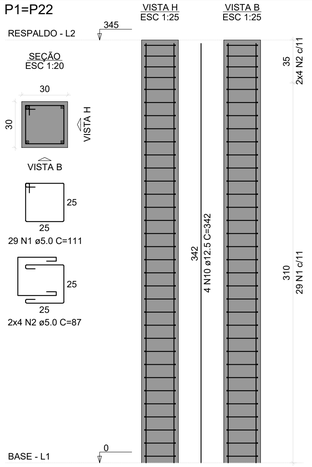
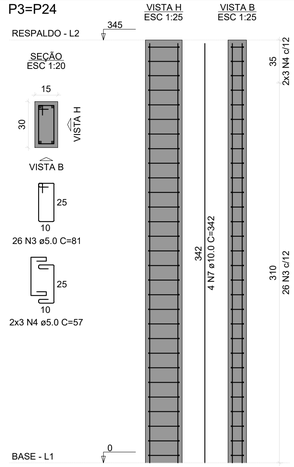
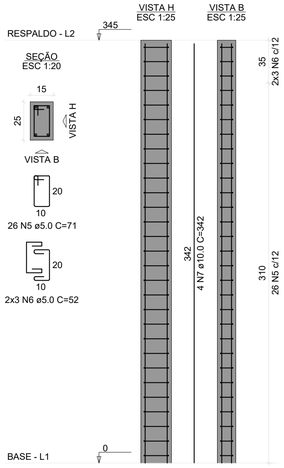
P1=P22



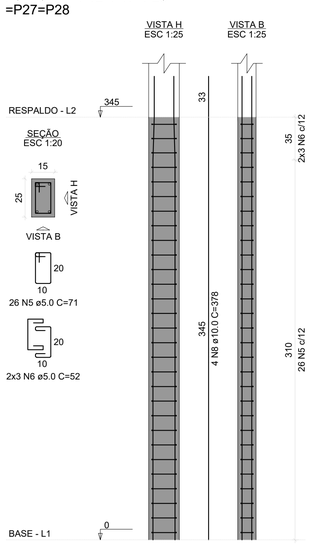
P3=P24



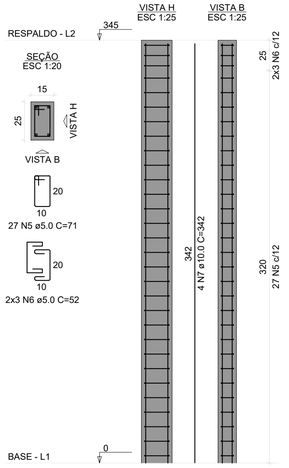
P4=P8=P9=P10=P16=P25



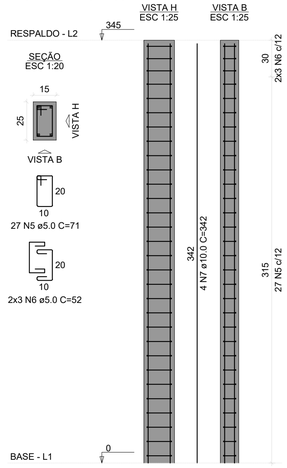
P5=P6=P7=P12=P17=P26=P27=P28



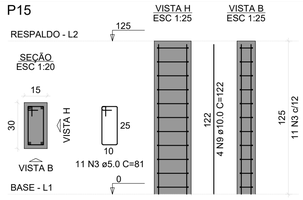
P11=P19=P32



P13=P18=P29=P30=P31



P15



RELAÇÃO DO AÇO

2xP1 2xP3 6xP4
8xP5 3xP11 5xP13
P15

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	58	111	6438
	2	5.0	16	87	1392
	3	5.0	63	81	5103
	4	5.0	12	57	684
	5	5.0	580	71	41180
	6	5.0	132	52	6864
CA50	7	10.0	64	342	21888
	8	10.0	32	378	12096
	9	10.0	4	122	488
	10	12.5	8	342	2736

RESUMO DO AÇO

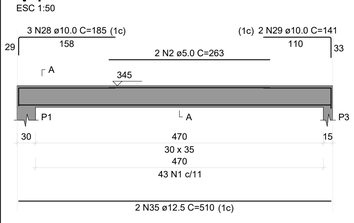
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	10.0	344.7	212.5
	12.5	27.4	26.4
CA60	5.0	616.6	95

PESO TOTAL (kg)	
CA50	238.9
CA60	95

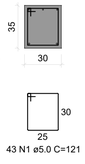
Volume de concreto (C-30) = 3.83 m³
Área de forma = 51.20 m²

V1

ESC 1:50

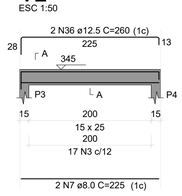


SEÇÃO A-A ESC 1:25

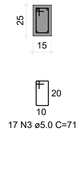


V2

ESC 1:50

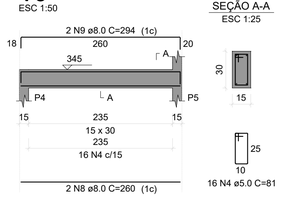


SEÇÃO A-A ESC 1:25



V3

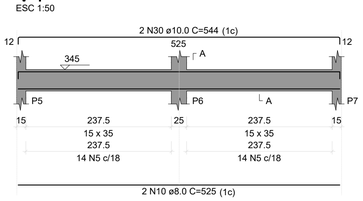
ESC 1:50



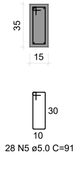
SEÇÃO A-A ESC 1:25

V4

ESC 1:50

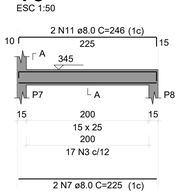


SEÇÃO A-A ESC 1:25

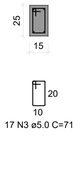


V5

ESC 1:50

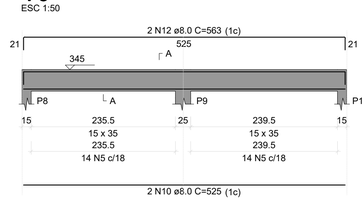


SEÇÃO A-A ESC 1:25

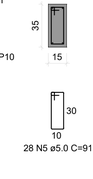


V6

ESC 1:50

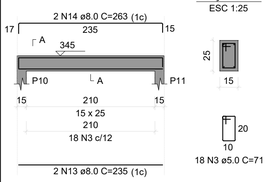


SEÇÃO A-A ESC 1:25



V7

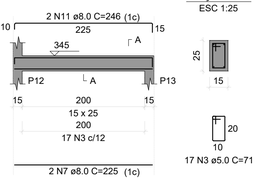
ESC 1:50



SEÇÃO A-A ESC 1:25

V8

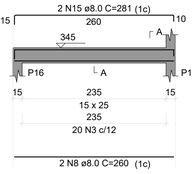
ESC 1:50



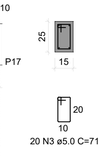
SEÇÃO A-A ESC 1:25

V9

ESC 1:50

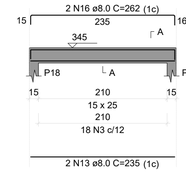


SEÇÃO A-A ESC 1:25

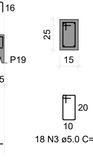


V10

ESC 1:50

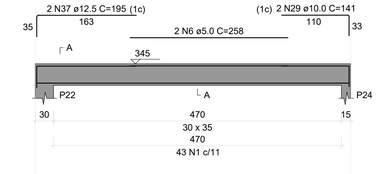


SEÇÃO A-A ESC 1:25

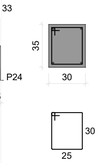


V11

ESC 1:50

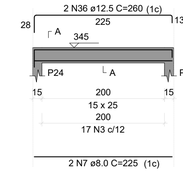


SEÇÃO A-A ESC 1:25

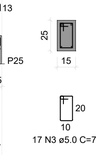


V12

ESC 1:50

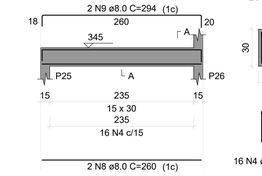


SEÇÃO A-A ESC 1:25

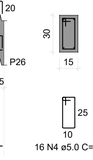


V13

ESC 1:50



SEÇÃO A-A ESC 1:25



RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	126	121	15246
	2	5.0	2	263	526
	3	5.0	234	71	16614
	4	5.0	123	81	9963
	5	5.0	157	91	14287
	6	5.0	2	258	516
CA50	7	8.0	10	225	2250
	8	8.0	6	260	1560
	9	8.0	4	294	1176
	10	8.0	4	525	2100
	11	8.0	4	246	984
	12	8.0	2	563	1126
	13	8.0	6	235	1410
	14	8.0	2	263	526
	15	8.0	2	281	562
	16	8.0	2	262	524
	17	8.0	4	535	2140
	18	8.0	2	554	1108
	19	8.0	2	240	480
	20	8.0	2	568	1136
	21	8.0	2	264	528
	22	8.0	10	495	4950
	23	8.0	2	521	1042
	24	8.0	2	533	1066
	25	8.0	2	514	1028
	26	8.0	2	503	1006
	27	8.0	4	527	2108
	28	10.0	3	185	555
	29	10.0	4	141	564
	30	10.0	2	544	1088
	31	10.0	4	495	1980
	32	10.0	2	556	1112
	33	10.0	2	505	1010
	34	10.0	2	532	1064
	35	12.5	4	510	2040
	36	12.5	4	260	1040
	37	12.5	2	195	390

RESUMO DO AÇO

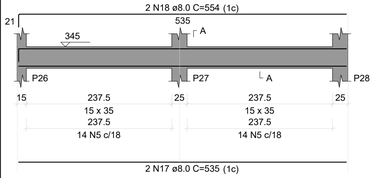
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	288.1	113.7
	10.0	73.7	45.5
	12.5	34.7	33.4
CA60	5.0	571.5	88.1

PESO TOTAL (kg)	
CA50	192.6
CA60	88.1

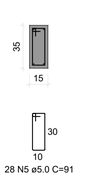
Volume de concreto (C-30) = 4.71 m³
Área de forma = 64.99 m²

V14

ESC 1:50

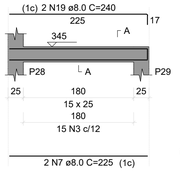


SEÇÃO A-A ESC 1:25

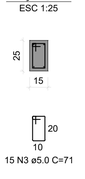


V15

ESC 1:50

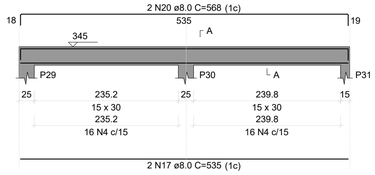


SEÇÃO A-A ESC 1:25

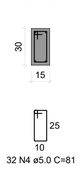


V16

ESC 1:50

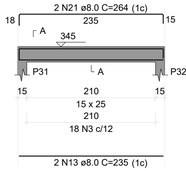


SEÇÃO A-A ESC 1:25



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

PREFEITURA MUNICIPAL DE SERRANIA

Proprietário: PREFEITURA MUNICIPAL DE SERRANIA

Projeto: VESTIÁRIO POLIESPORTIVO

Ref.: PILARES E VIGAS RESPALDO

Endereço: RUA CEL. ANTONIO FAUSTINO- CENTRO - SERRANIA - MG

Data: SET/2022

Escala: 1/50

Folha: 06

Autores:

SAMIR ABDALA N. FERREIRA
Engenheiro Civil - CREA 240413/D - MG

Proprietário:

PREF. MUN. DE SERRANIA
CNPJ:18.243.261/0001-06