

RELAÇÃO DO AÇO

P18-L3	P18-L3
P19-L3	P19-L3
P20-L3	P20-L3
P21-L2	P21-L2
P22-L2	P22-L2
P23-L2	P23-L2
P24-L1	P24-L1
P25-L1	P25-L1
P26-L1	P26-L1
P27-L1	P27-L1
P28-L1	P28-L1

AÇO	N	DIAM	Q	UNIT	C-TOTAL
60	1	5.0	35	129	4515
	2	5.0	70	36	2520
	3	5.0	269	69	1871
	4	5.0	42	11	400
	5	5.0	480	31	15190
	6	5.0	203	159	32277
	7	10.0	4	78	312
	8	10.0	28	318	8268
	9	10.0	4	358	1432
	10	10.0	80	VAR	4000
	11	12.5	64	VAR	23488
	12	12.5	64	VAR	23488
	13	12.5	58	VAR	21430
	14	12.5	6	VAR	234
	15	12.5	6	VAR	234
					564

RESUMO DO AÇO

AÇO	DIAM	C-TOTAL	PESO+10%
CA50	10,0	146,8	89,6
CAB0	12,5	392,5	416,2
CAB0	3,0	807,4	136,8
PESO TOTAL			
CA50		515,8	
CAB0		136,8	

Vol. de concreto total = 56,82 m³
 Área de forma total = 65,74 m²

PROJETO PADRÃO - FNDE

MUNICÍPIO - UF:

PROPRIETÁRIO:

ENGENHEIRO:

PROPRIETÁRIO

RESP. TÉCNICO

CREA

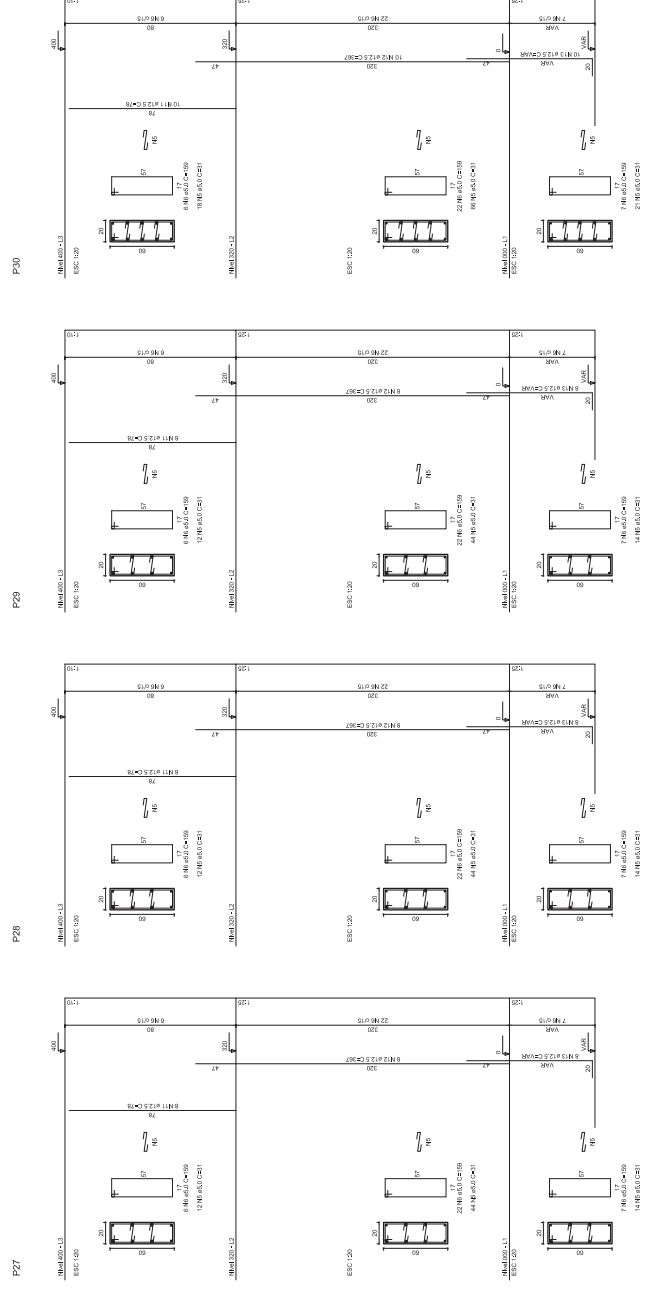
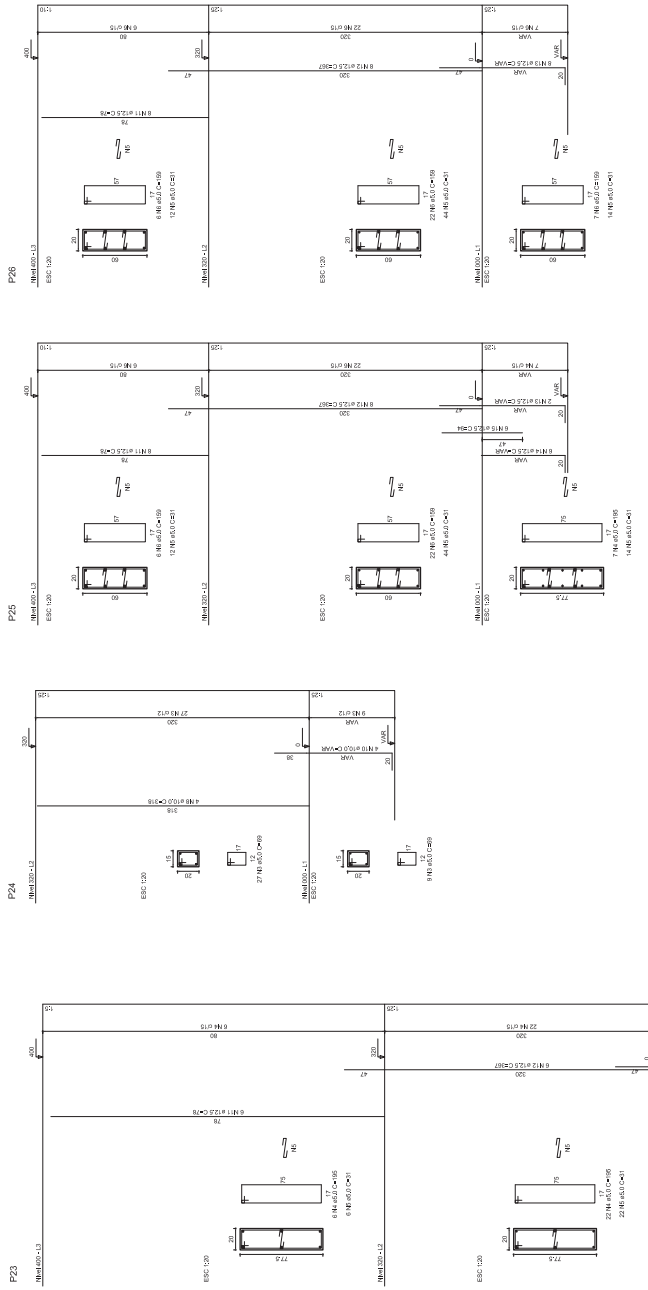
RA

OBSERVAÇÕES:

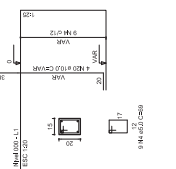
QUADRA COBERTA
 PROJETO ESTRUTURAL

ESTRUTURA DE CONCRETO
 PILARES (P22 ao P30)

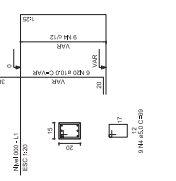
CONCORDADO	PROJETO	PROJETA	PROJETA
ESTRUTURAL	ESTRUTURAL	ESTRUTURAL	ESTRUTURAL
FORMADO	FORMADO	FORMADO	FORMADO
DATA: 11/25	DATA: 11/25	DATA: 11/25	DATA: 11/25
ASSINATURA	ASSINATURA	ASSINATURA	ASSINATURA
ASSINATURA	ASSINATURA	ASSINATURA	ASSINATURA



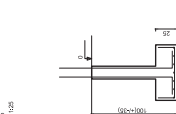
P18-P1 (Set 17#P20#P21#P24)



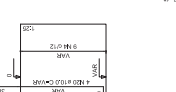
P22



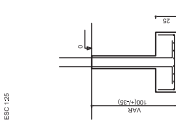
P10



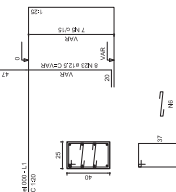
P18-P18 (Set 1#P12#P14#P19)



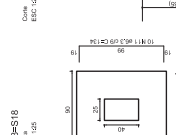
S18-S18



P18-P18



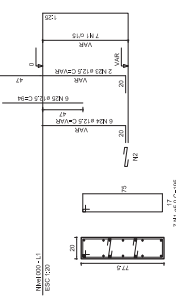
S18-S18



RELAÇÃO DOADO

PROJ	N	EMV	D	DATA	CL. DO AL.	PROJ
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003	3	3	3	3	3	3
004	4	4	4	4	4	4
005	5	5	5	5	5	5
006	6	6	6	6	6	6
007	7	7	7	7	7	7
008	8	8	8	8	8	8
009	9	9	9	9	9	9
010	10	10	10	10	10	10
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012	12	12	12	12	12	12
013	13	13	13	13	13	13
014	14	14	14	14	14	14
015	15	15	15	15	15	15
016	16	16	16	16	16	16
017	17	17	17	17	17	17
018	18	18	18	18	18	18
019	19	19	19	19	19	19
020	20	20	20	20	20	20
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046	46	46	46	46	46	46
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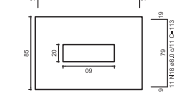
S25-S25



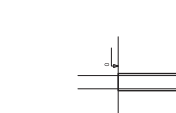
P22-P22



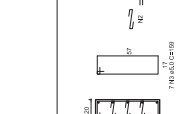
S18-S18 (Set 1#S12#S14#S19)



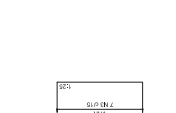
P18-P18



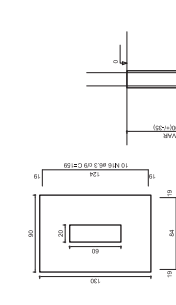
S18-S18



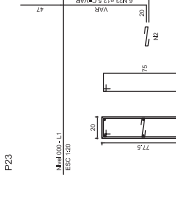
P18-P18



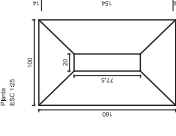
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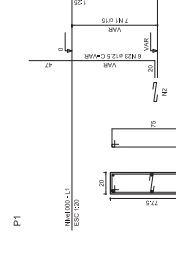
P23



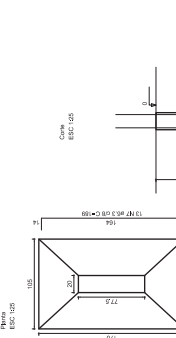
S23



P1



S1



GOVERNO FEDERAL

BRASIL Ministério da Educação

FUNDE Fundo Nacional de Educação

PAIS RICO E PAIS SEM POBREZA

PROJETO PADRÃO - FNDE

MUNICÍPIO - UF:	
PROPRIETÁRIO:	CREA
ENGENHEIRO:	
PROPRIETÁRIO:	
RESP. TÉCNICO:	
DEFO:	CREA
OBSERVAÇÕES:	

COORDENADOR: ...

PROFESSOR RESPONSÁVEL: ...

FORMADO: ...

QUADRA COBERTA

PROJETO ESTRUTURAL

ESTRUTURA DE CONCRETO

SAPATAS

EST

FRANCA: 09/11

RELAÇÃO DO V1 V2 V3 V4 V5 V6 V7 V8 V9 V10 V11 V12

QUANT.	UNID.	ESPEC.	PREÇO UNIT.	PREÇO TOTAL
2	M	6.21	2.200	4.400
1	M	6.33	2.200	2.200
4	M	6.31	2.200	8.800
7	M	6.52	2.200	15.400
2	M	6.50	2.200	4.400
6	M	6.51	2.200	13.200
8	M	6.53	2.200	17.600
12	M	6.54	2.200	26.400
17	M	6.55	2.200	37.400
12	M	6.56	2.200	26.400
10	M	6.57	2.200	22.000
12	M	6.58	2.200	26.400
10	M	6.59	2.200	22.000
10	M	6.60	2.200	22.000
12	M	6.61	2.200	26.400
10	M	6.62	2.200	22.000
10	M	6.63	2.200	22.000
10	M	6.64	2.200	22.000
10	M	6.65	2.200	22.000
10	M	6.66	2.200	22.000
10	M	6.67	2.200	22.000
10	M	6.68	2.200	22.000
10	M	6.69	2.200	22.000
10	M	6.70	2.200	22.000
10	M	6.71	2.200	22.000
10	M	6.72	2.200	22.000
10	M	6.73	2.200	22.000
10	M	6.74	2.200	22.000
10	M	6.75	2.200	22.000
10	M	6.76	2.200	22.000
10	M	6.77	2.200	22.000
10	M	6.78	2.200	22.000
10	M	6.79	2.200	22.000
10	M	6.80	2.200	22.000
10	M	6.81	2.200	22.000
10	M	6.82	2.200	22.000
10	M	6.83	2.200	22.000
10	M	6.84	2.200	22.000
10	M	6.85	2.200	22.000
10	M	6.86	2.200	22.000
10	M	6.87	2.200	22.000
10	M	6.88	2.200	22.000
10	M	6.89	2.200	22.000
10	M	6.90	2.200	22.000
10	M	6.91	2.200	22.000
10	M	6.92	2.200	22.000
10	M	6.93	2.200	22.000
10	M	6.94	2.200	22.000
10	M	6.95	2.200	22.000
10	M	6.96	2.200	22.000
10	M	6.97	2.200	22.000
10	M	6.98	2.200	22.000
10	M	6.99	2.200	22.000
10	M	7.00	2.200	22.000

RESUMO DO V10

ITEM	QTD	UNID.	PREÇO UNIT.	PREÇO TOTAL
1.000	100	M	2.200	220.000
1.001	50	M	2.200	110.000
1.002	100	M	2.200	220.000
1.003	100	M	2.200	220.000
1.004	100	M	2.200	220.000
1.005	100	M	2.200	220.000
1.006	100	M	2.200	220.000
1.007	100	M	2.200	220.000
1.008	100	M	2.200	220.000
1.009	100	M	2.200	220.000
1.010	100	M	2.200	220.000
1.011	100	M	2.200	220.000
1.012	100	M	2.200	220.000
1.013	100	M	2.200	220.000
1.014	100	M	2.200	220.000
1.015	100	M	2.200	220.000
1.016	100	M	2.200	220.000
1.017	100	M	2.200	220.000
1.018	100	M	2.200	220.000
1.019	100	M	2.200	220.000
1.020	100	M	2.200	220.000

G.O. BRASIL
 Ministério da Educação
FUNDE Fundação Nacional do Ensino
 PAÍS RICO E PAÍS SEM POBREZA

PROJETO PADRÃO - FNDE

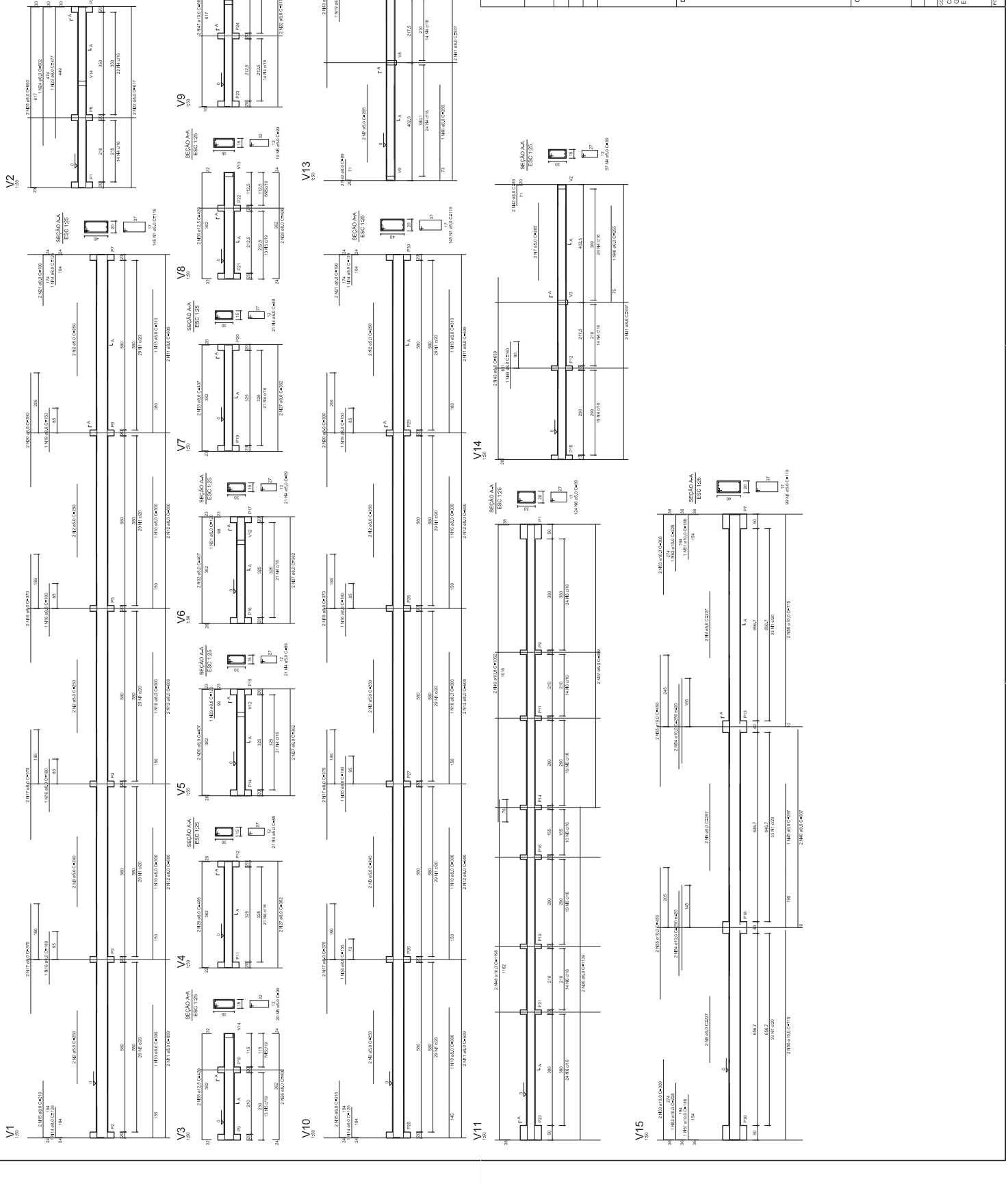
MUNICÍPIO - UF:
 PROPRIETÁRIO:
 ENDEREÇO:

PROPRIETÁRIO:
 RESP. TÉCNICO:
 DATA:
 CREA:
 RA:

OBSERVAÇÕES:

QUADRA COBERTA	
PROJETO ESTRUTURAL	
CONCRETO	ESTRUTURA DE CONCRETO
FORMAÇÃO	VIGAS - NÍVEL 0,00
PROPOSTA	ESTRUT. 11/25
REVISÃO	DATA ELABORAÇÃO
R.30	11/2011
FORMADO	PROPOSTA
PROJ. (RUI S.M.A.)	PROPOSTA
PROJ. (RUI S.M.A.)	PROPOSTA

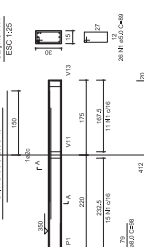
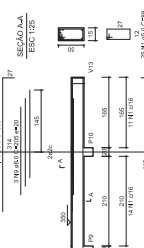
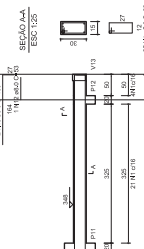
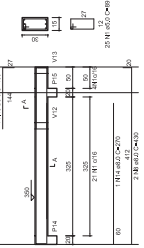
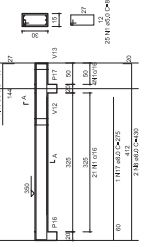
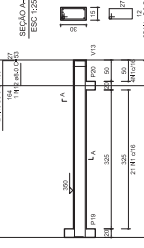
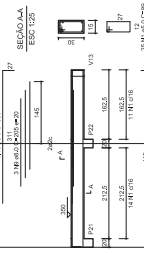
EST 10/11



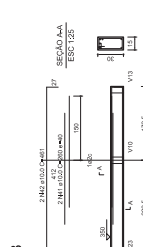
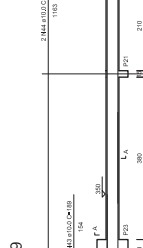
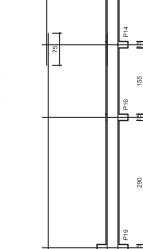
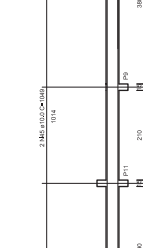
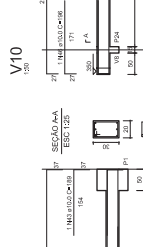
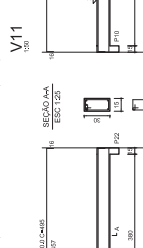
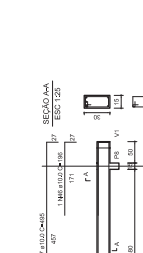
RELAÇÃO DOS VIGAS				QTD.	RELAÇÃO DE VIGAS
QTD.	DIÁM.	TIPO	COM.	RELAÇÃO DE VIGAS	QTD.
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04	16	P	16	10	10
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30	16	P	16	10	10

QTD.	TIPO	QTD.	TIPO	QTD.	TIPO
01	16	01	16	01	16
02	16	02	16	02	16
03	16	03	16	03	16
04	16	04	16	04	16
05	16	05	16	05	16
06	16	06	16	06	16
07	16	07	16	07	16
08	16	08	16	08	16
09	16	09	16	09	16
10	16	10	16	10	16

Área de forma total = 52,45 m²



QTD.	TIPO	QTD.	TIPO	QTD.	TIPO
01	16	01	16	01	16
02	16	02	16	02	16
03	16	03	16	03	16
04	16	04	16	04	16
05	16	05	16	05	16
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26	16	26	16	26	16
27	16	27	16	27	16
28	16	28	16	28	16
29	16	29	16	29	16
30	16	30	16	30	16



BRASIL Governo Federal
 Ministério da Educação
FUNDE Fundo Nacional de Educação
 PAÍS RICO E PAÍS SEM POBREZA

PROJETO PADRÃO - FNDE

MUNICÍPIO - UF:	
PROPRIETÁRIO:	
ENGENHEIRO:	
PROPRIETÁRIO:	
RESP. TÉCNICO:	
DLE/O:	CREA
RA:	

**QUADRA COBERTA
 PROJETO ESTRUTURAL**

ESTRUTURA DE CONCRETO
 VIGAS - NÍVEL 200

COORDENADOR: Eng.º Cristiano Pereira
 Chefe de Inspeção: Eng.º Genivaldo

FORMADO: 14/11/2004
 REVISADO: RJP
 REVISOR: 11/25
 FRANÇA: 11/11

OPERAÇÕES: