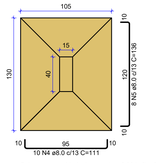
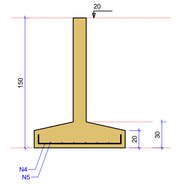
S25

PLANTA
ESC 1:25



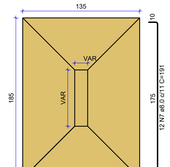
CORTE
ESC 1:25



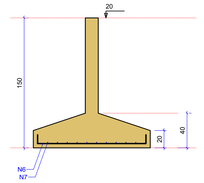
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S26=S29

PLANTA
ESC 1:25



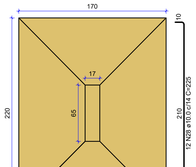
CORTE
ESC 1:25



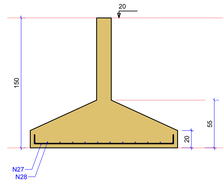
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S27

PLANTA
ESC 1:25



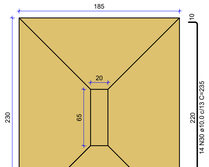
CORTE
ESC 1:25



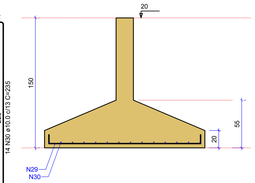
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S28

PLANTA
ESC 1:25



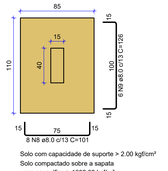
CORTE
ESC 1:25



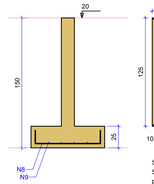
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S30=S31=S53=S54=S62=S67

PLANTA
ESC 1:25



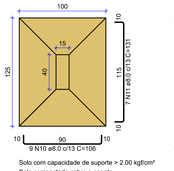
CORTE
ESC 1:25



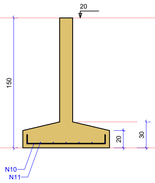
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S32=S33=S52=S56

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

RELAÇÃO DO AÇO

S25	2xS26	S27
S28	5xS30	4xS32
S34	S35	S36
S37	3xS38	2xS40
3xS41	S42	S43
S46	S47	S48
S49	S50	S55
S57	S58	S59
S60	2xS61	S64

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	321	963
CA50	2	6.3	11	80	880
	3	6.3	9	95	855
	4	8.0	20	111	2220
	5	8.0	38	136	5168
	6	8.0	68	141	9588
	7	8.0	66	191	12606
	8	8.0	40	101	4040
	9	8.0	30	126	3780
	10	8.0	36	106	3816
	11	8.0	28	131	3668
	12	8.0	19	156	2964
	13	8.0	14	181	2534
	14	8.0	14	126	1764
	15	8.0	10	161	1610
	16	8.0	39	116	4524
	17	8.0	27	151	4077
	18	8.0	12	121	1452
	19	8.0	14	201	2814
	20	8.0	14	251	3514
	21	8.0	12	186	2232
	22	8.0	15	206	3090
	23	8.0	7	95	665
	24	8.0	6	110	660
	25	8.0	34	166	5644
	26	8.0	13	171	2223
	27	10.0	31	175	5425
	28	10.0	24	225	5400
	29	10.0	31	190	5890
	30	10.0	14	235	3290
	31	10.0	27	165	4455
	32	10.0	30	200	6000
	33	10.0	28	205	5740
	34	10.0	16	220	3520
	35	10.0	15	245	3675
	36	10.0	49	155	7595
	37	10.0	15	160	2400
	38	10.0	17	180	3060
	39	10.0	15	170	2550
	40	10.0	11	215	2365
	41	10.0	11	145	1595

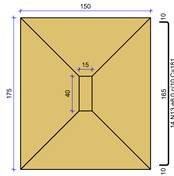
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	17.4	4.7
	8.0	836.2	363
	10.0	629.6	427
CA60	5.0	9.6	1.6
PESO TOTAL (kg)			
CA50	794.6		
CA60	1.6		

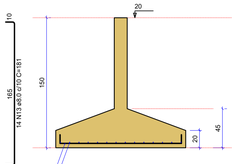
Volume de concreto (C-25) = 26.47 m³
Área de forma = 47.09 m²

S34

PLANTA
ESC 1:25



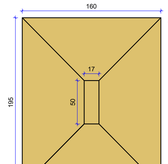
CORTE
ESC 1:25



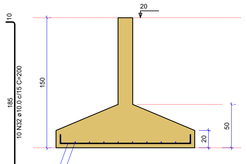
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S35

PLANTA
ESC 1:25



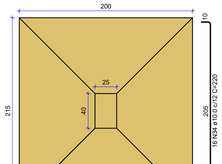
CORTE
ESC 1:25



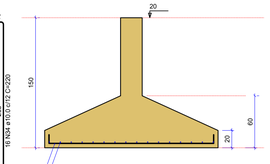
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S36

PLANTA
ESC 1:25



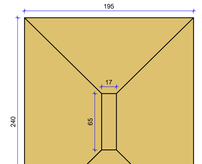
CORTE
ESC 1:25



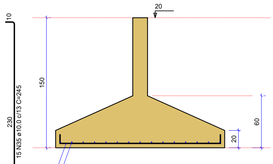
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S37

PLANTA
ESC 1:25



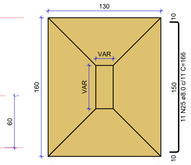
CORTE
ESC 1:25



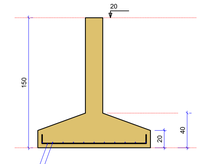
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S38=S61

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S39

PLANTA
ESC 1:25

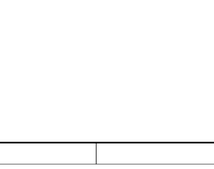
CORTE
ESC 1:25

Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S40=S51

PLANTA
ESC 1:25

CORTE
ESC 1:25

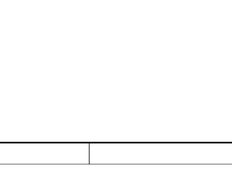


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S41=S44=S45

PLANTA
ESC 1:25

CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S42

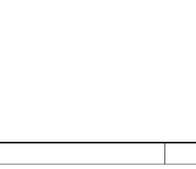
PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S43

PLANTA
ESC 1:25

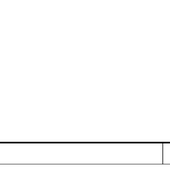


CORTE
ESC 1:25

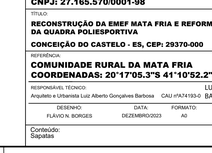
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S46

PLANTA
ESC 1:25



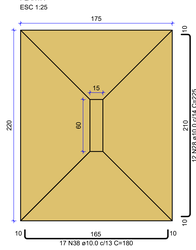
CORTE
ESC 1:25



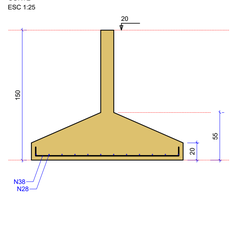
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S47

PLANTA
ESC 1:25



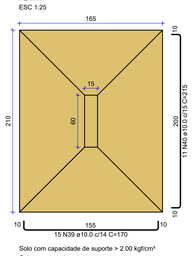
CORTE
ESC 1:25



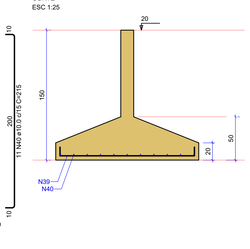
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S48

PLANTA
ESC 1:25



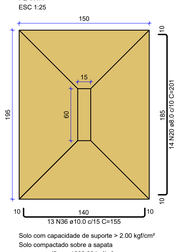
CORTE
ESC 1:25



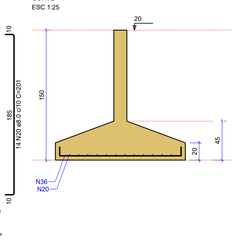
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S49

PLANTA
ESC 1:25



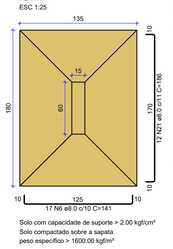
CORTE
ESC 1:25



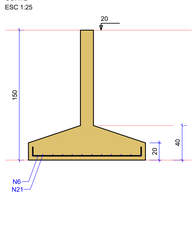
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S50

PLANTA
ESC 1:25



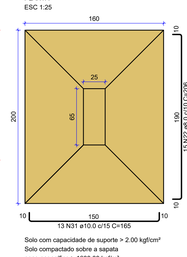
CORTE
ESC 1:25



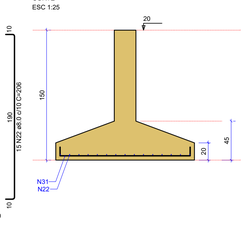
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S55

PLANTA
ESC 1:25



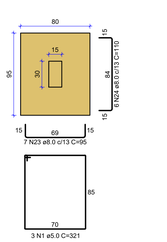
CORTE
ESC 1:25



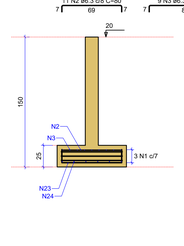
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S57

PLANTA
ESC 1:25



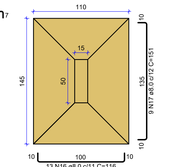
CORTE
ESC 1:25



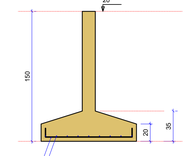
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S58

PLANTA
ESC 1:25



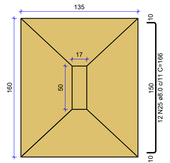
CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S59

PLANTA
ESC 1:25



CORTE
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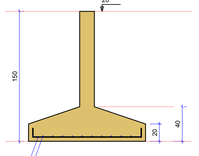
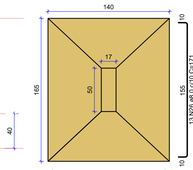


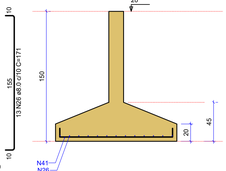
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S60

PLANTA
ESC 1:25



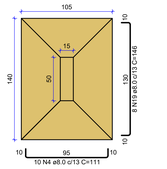
CORTE
ESC 1:25



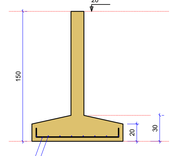
Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

S64

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso especifico > 1600.00 kgf/m³

Lucchese
Engenharia e Consultoria

PROJETO DE ESTRUTURA
EXECUTIVO

CREA-ES
Conselho Regional de Engenharia e Agronomia do Espírito Santo

CLIENTE:
PREFEITURA DE CONCEIÇÃO DO CASTELO - ES
CNPJ: 27.165.570/0001-98

CHRISTIANO SPAGETTO:06015156770
Assinado digitalmente por CHRISTIANO SPAGETTO:06015156770
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TÍTULO:
RECONSTRUÇÃO DA EMEF MATA FRIA E REFORMA DA QUADRA POLIESPORTIVA
CONCEIÇÃO DO CASTELO - ES, CEP: 29370-000

REFERÊNCIA:
COMUNIDADE RURAL DA MATA FRIA
COORDENADAS: 20°17'05.3"S 41°10'52.2"W

FOLHA 03/28

RESPONSÁVEL TÉCNICO:
Arquiteto e Urbanista Luiz Alberto Gonçalves Barbosa
LUIZ ALBERTO GONCALVES BARBOSA:02965841180
CAU nº A741934-0
Assinado de forma digital por LUIZ ALBERTO GONCALVES BARBOSA:02965841180
Dados: 2023.12.14 15:45:36 -03'00'

DESENHO:	DATA:	FORMATO:	ESCALA:	UNIDADE:	ARQUIVO:
FLAVIO N. BORGES	DEZEMBRO/2023	A2	INDICADA	METRO	EMEF MATA FRIA - ESTRUTURAL - R02.dwg

Conteúdo:
Sapatas