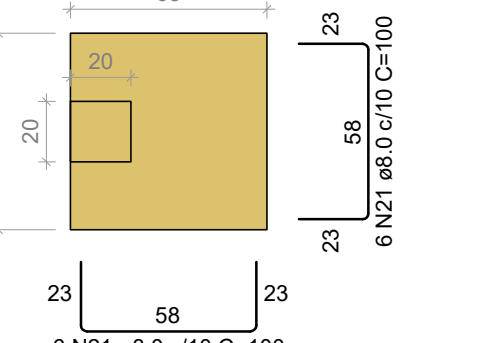


S1=S3=S6=S11=S20=S25=S26=S28=S30=S38

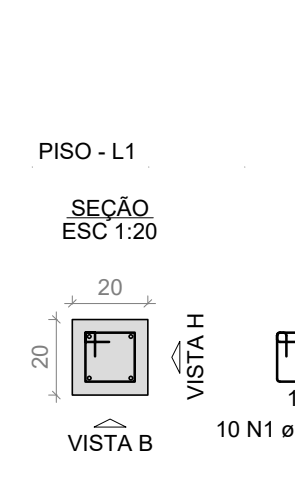
S1=S3=S6=S11=S20=S25=S26=S28=S30=S38
=S75=S80
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

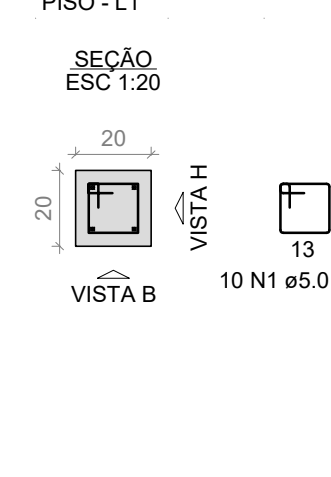
P1=P5=P11=P75

P1=P5=P11=P75
PISO - L1
SEÇÃO
ESC 1:20



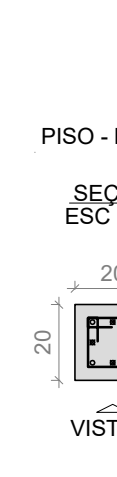
P20=P25=P26=P28

P20=P25=P26=P28
PISO - L1
SEÇÃO
ESC 1:20



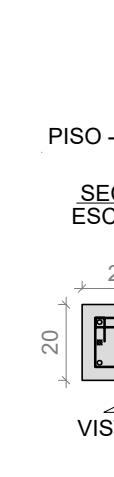
P3

P3
PISO - L1
SEÇÃO
ESC 1:20



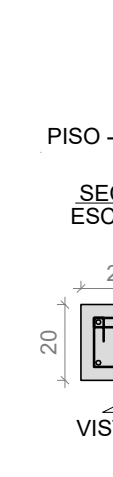
P30

P30
PISO - L1
SEÇÃO
ESC 1:20



P38

P38
PISO - L1
SEÇÃO
ESC 1:20



P80

P80
PISO - L1
SEÇÃO
ESC 1:20

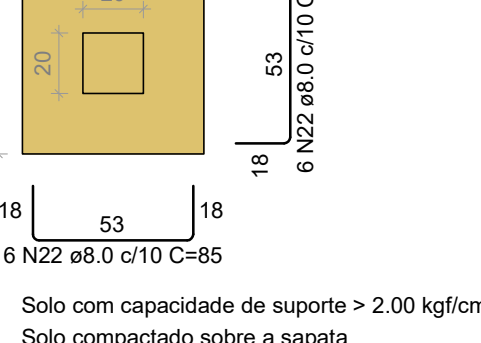


RESUMO DO AÇO				
ACO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	UNIT
CA50	8.3	41.3	4	12 m
CA50	8.0	697.5	66	12 m
CA50	10.0	641.1	46	12 m
CA50	12.5	111.3	10	12 m
CA50	5.0	864.9	70	12 m
PESO TOTAL (kg)		726.2		
CA50		133.1		
Voluma de concreto (C-30) = 11.46 m³				
Área de forma = 187.82 m²				

S4=S16=S24=S27=S29=S31=S32=S33=S39=S42

S4=S16=S24=S27=S29=S31=S32=S33=S39=S42
=S43=S44=S45=S46=S47=S48=S50=S54=S55
=S67=S68=S69=S70=S72=S77=S78=S79=S81=S82

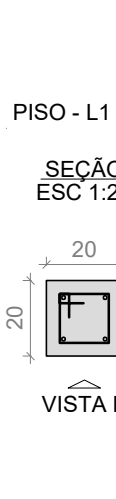
S4=S16=S24=S27=S29=S31=S32=S33=S39=S42
=S43=S44=S45=S46=S47=S48=S50=S54=S55
=S67=S68=S69=S70=S72=S77=S78=S79=S81=S82
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

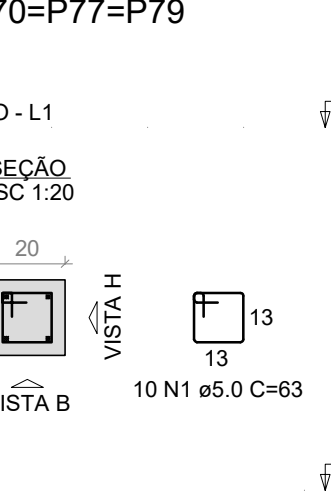
P4=P16

P4=P16
PISO - L1
SEÇÃO
ESC 1:20



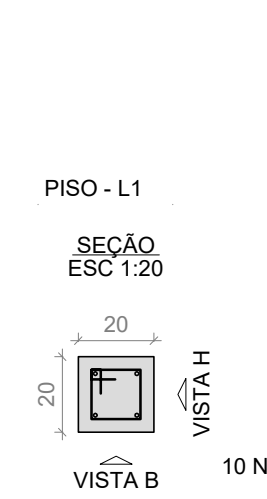
P24=P27=P32=P33=P39=P44=

P24=P27=P32=P33=P39=P44=
=P45=P48=P50=P54=P57=P61=
=P63=P64=P65=P67=P68=P69=
=P70=P77=P79



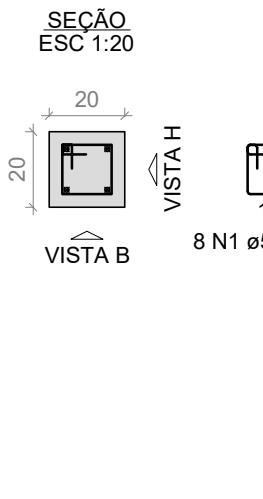
P29=P31=P42=P43=P46=P47=

P29=P31=P42=P43=P46=P47=
=P58=P60



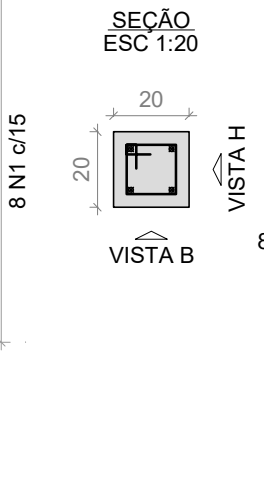
P55=P59

P55=P59
PISO - L1
SEÇÃO
ESC 1:20



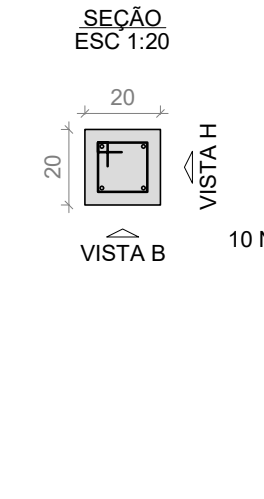
P72

P72
PISO - L1
SEÇÃO
ESC 1:20



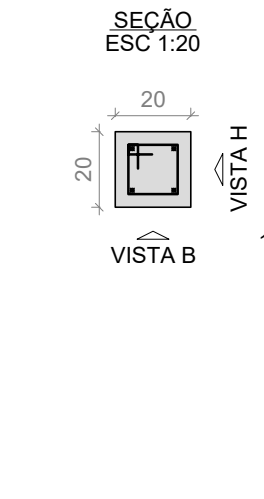
P78

P78
PISO - L1
SEÇÃO
ESC 1:20



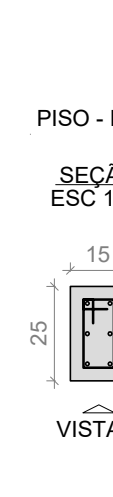
P81=P82

P81=P82
PISO - L1
SEÇÃO
ESC 1:20



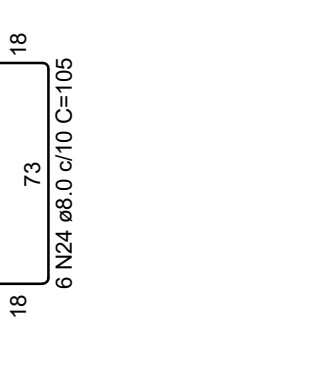
P22

P22
PISO - L1
SEÇÃO
ESC 1:20



S34=S35=S36=S37=S40=S41=S49

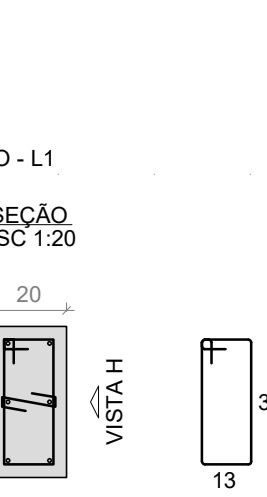
S34=S35=S36=S37=S40=S41=S49
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

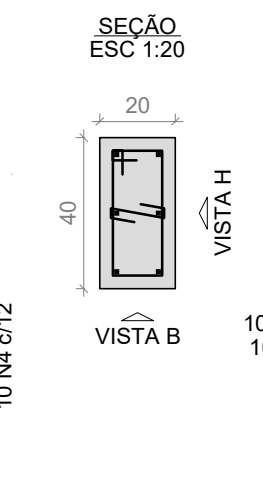
P34=P35=P37=P40=P49

P34=P35=P37=P40=P49
PISO - L1
SEÇÃO
ESC 1:20



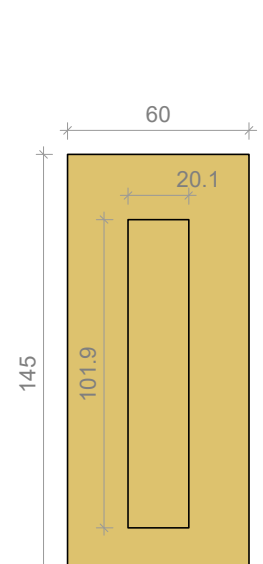
P36=P41

P36=P41
PISO - L1
SEÇÃO
ESC 1:20



S71-74

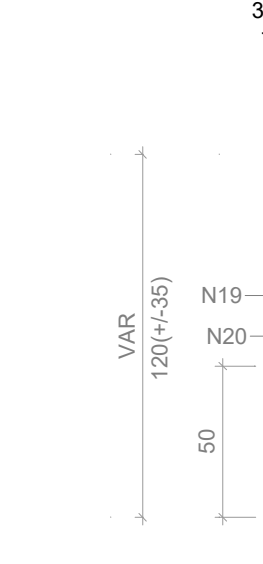
S71-74
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

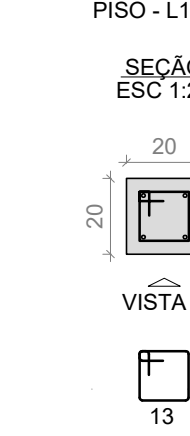
P71

P71
PISO - L1
SEÇÃO
ESC 1:20



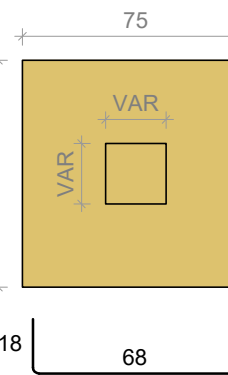
P74

P74
PISO - L1
SEÇÃO
ESC 1:20



S53=S62=S65

S53=S62=S65
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

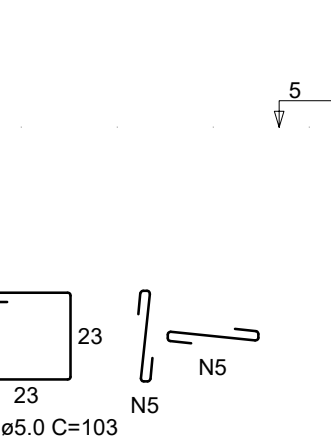
P53

P53
PISO - L1
SEÇÃO
ESC 1:20



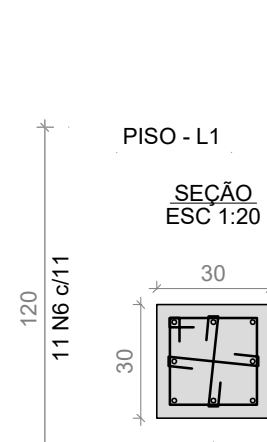
P62

P62
PISO - L1
SEÇÃO
ESC 1:20



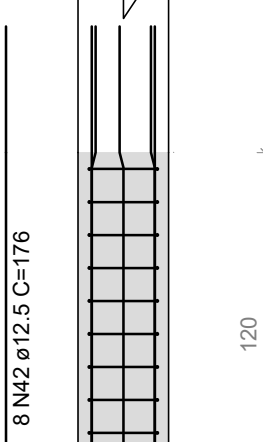
P65

P65
PISO - L1
SEÇÃO
ESC 1:20



S56

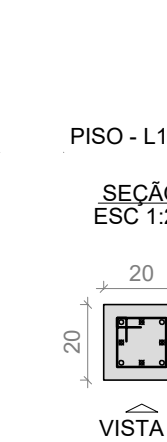
S56
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

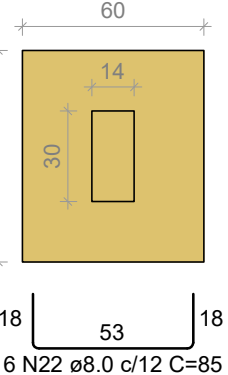
P56

P56
PISO - L1
SEÇÃO
ESC 1:20



S76

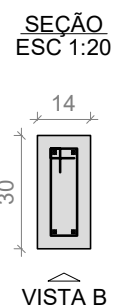
S76
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

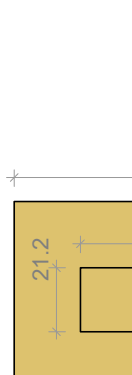
P76

P76
PISO - L1
SEÇÃO
ESC 1:20



S12-17

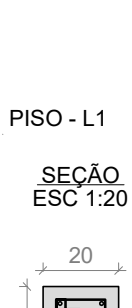
S12-17
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

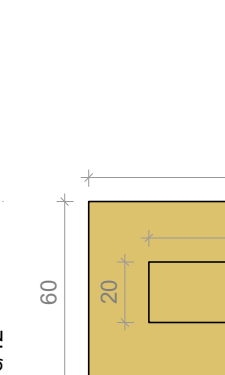
P12=P17

P12=P17
PISO - L1
SEÇÃO
ESC 1:20



S13-18

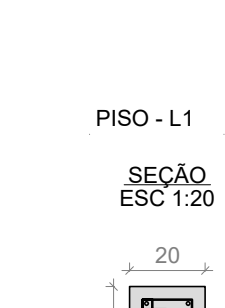
S13-18
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

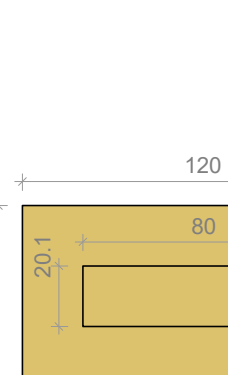
P13=P18

P13=P18
PISO - L1
SEÇÃO
ESC 1:20



S14-19

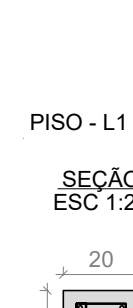
S14-19
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

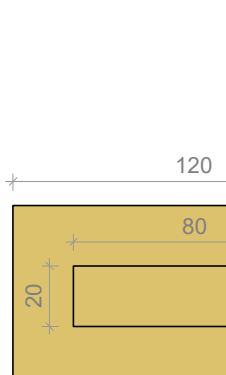
P14=P19

P14=P19
PISO - L1
SEÇÃO
ESC 1:20



S15-21

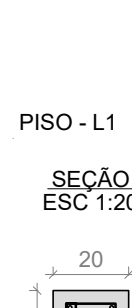
S15-21
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

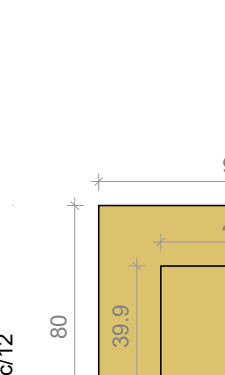
P15=P21

P15=P21
PISO - L1
SEÇÃO
ESC 1:20



S51-52

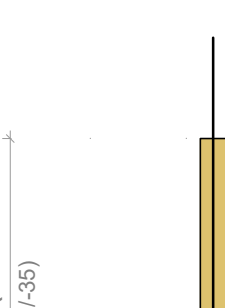
S51-52
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kg/m³

P51=P52

P51=P52
PISO - L1
SEÇÃO
ESC 1:20



Cobrimento sapatas e pilares= 3.5 cm
Os corrimentos mínimo de armadura
deverão respeitar o projeto de cada peça,
conforme detalhamento.

Tensão admissível do solo = 2.0 kgf/cm²
Peso esp. do solo = 18 kg/m³

PROJETO DE ESTRUTURAS

Prancha:	Proprietário:	PREFEITURA MUNICIPAL DE JOAÇABA	
ES - 03 ¹⁶		JOAÇABA - SC	
Área Edificação:	Obras:	PISTA DE SKATE	
507,21 m²			
Área terreno:	Responsável Técnico:	Detalhamento:	
Área -	Julio Cesar Rech	Armação das Sapatas	
	Engenheiro Civil		
Data:	Junho / 2024		
Escala:	Indicada		
Arquivo:			
031_P03_P03A_P03B.dwg			

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