

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x30	0	0
V2	14x30	0	0
V3	14x30	0	0
V4	14x30	0	0

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	268384

Dimensão máxima do agregado = 19 mm

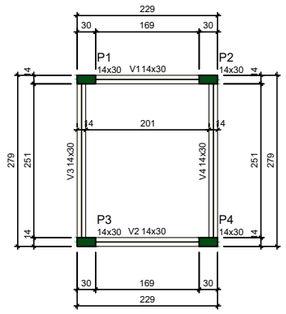
Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x30	0	0
P2	14x30	0	0
P3	14x30	0	0
P4	14x30	0	0

Legenda dos pilares
Pilar que passa

Legenda das vigas e paredes
Viga

Forma do pavimento baldrame

escala 1:50



Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
V1	14x30	0	250
V2	14x30	0	250
V3	14x30	0	250
V4	14x30	0	250

Características dos materiais	
fck (kgf/cm²)	Ecs (kgf/cm²)
300	268384

Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	14x30	0	250
P2	14x30	0	250
P3	14x30	0	250
P4	14x30	0	250

Legenda das vigas e paredes
Viga

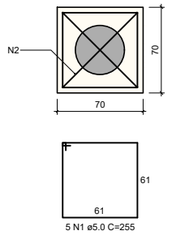
Legenda dos pilares
Pilar que morre

Forma do pavimento cobertura

escala 1:50

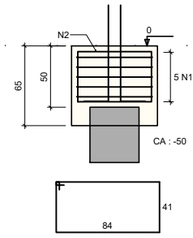
B1=B2=B3=B4
1xC30

PLANTA
ESC 1:25



5 N1 ø5.0 C=255

CORTE
ESC 1:25



2 N2 ø5.0 C=261

RELAÇÃO DO AÇO

4xB4

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	20	255	5100
	2	5.0	8	261	2088

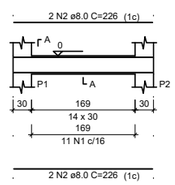
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	71.9	12.2
PESO TOTAL (kg)			
CA60	12.2		

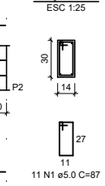
Volume de concreto (C-30) = 1.20 m³
Área de forma = 7.28 m²

V1 (14 x 30)

ESC 1:50

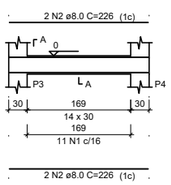


SEÇÃO A-A
ESC 1:25

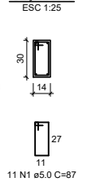


V2 (14 x 30)

ESC 1:50

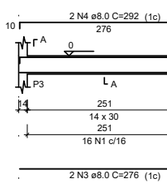


SEÇÃO A-A
ESC 1:25

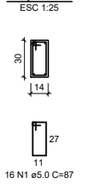


V3 (14 x 30)

ESC 1:50

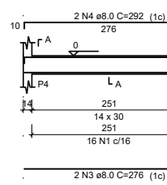


SEÇÃO A-A
ESC 1:25

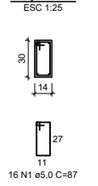


V4 (14 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



V1
V4

V2
V3

RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	54	87	4698
CA50	2	8.0	8	226	1808
	3	8.0	4	276	1104
	4	8.0	4	292	1168

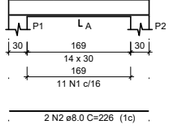
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	40.8	17.7
CA60	5.0	47	8
PESO TOTAL (kg)			
CA50	17.7		
CA60	8		

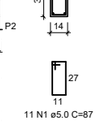
Volume de concreto (C-30) = 0.35 m³
Área de forma = 6.22 m²

V1 (14 x 30)

ESC 1:50

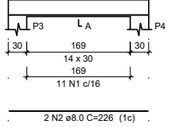


SEÇÃO A-A
ESC 1:25

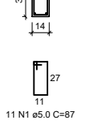


V2 (14 x 30)

ESC 1:50

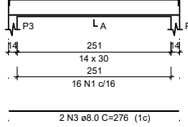


SEÇÃO A-A
ESC 1:25

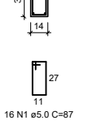


V3 (14 x 30)

ESC 1:50

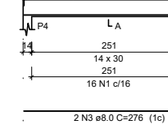


SEÇÃO A-A
ESC 1:25

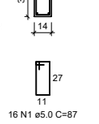


V4 (14 x 30)

ESC 1:50



SEÇÃO A-A
ESC 1:25



V1
V4

V2
V3

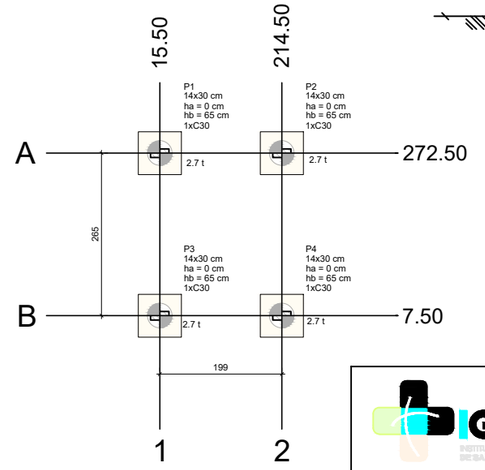
RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	54	87	4698
CA50	2	8.0	8	226	1808
	3	8.0	4	276	1104
	4	8.0	4	292	1168

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	40.8	17.7
CA60	5.0	47	8
PESO TOTAL (kg)			
CA50	17.7		
CA60	8		

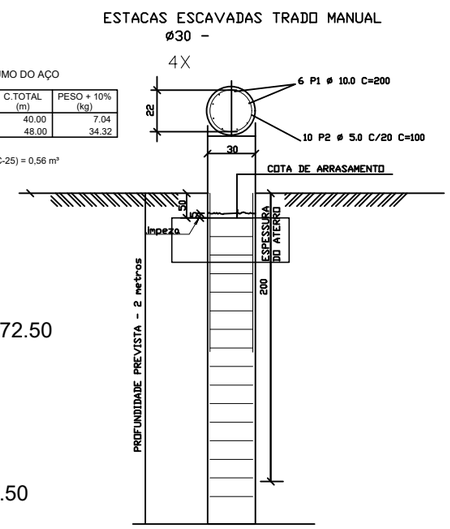
Volume de concreto (C-30) = 0.35 m³
Área de forma = 6.22 m²



Planta de locação

escala 1:50

ESTACAS ESCAVADAS TRADO MANUAL
ø30 -

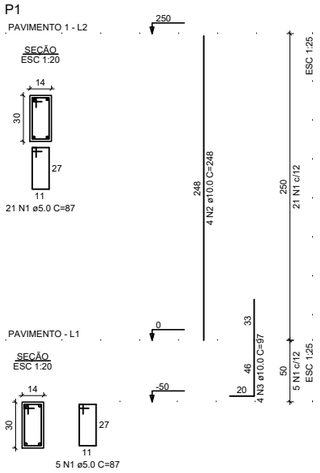


RESUMO DO AÇO

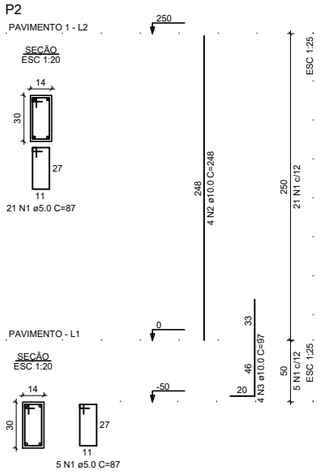
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA60	5.0	40.00	7.04
CA50	10.0	48.00	34.32

Volume de concreto (C-25) = 0,56 m³

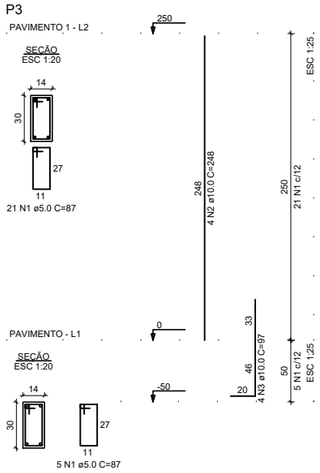
P1
PAVIMENTO 1 - L2



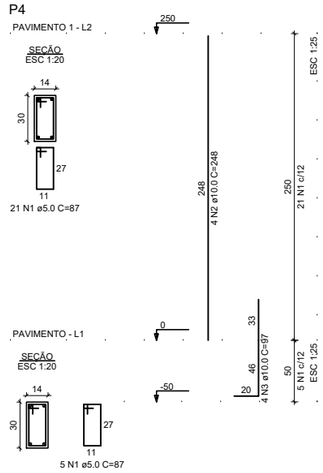
P2
PAVIMENTO 1 - L2



P3
PAVIMENTO 1 - L2



P4
PAVIMENTO 1 - L2



RELAÇÃO DO AÇO

P1-L2 P1-L1 P2-L2
P2-L1 P3-L2 P3-L1
P4-L2 P4-L1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	104	87	9048
CA50	2	10.0	16	248	3968
	3	10.0	16	97	1552

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	55.2	37.4
CA60	5.0	90.5	15.3
PESO TOTAL (kg)			
CA50	37.4		
CA60	15.3		

Volume de concreto (C-30) = 0.42 m³
Área de forma = 8.80 m²

UPA - UNIDADE DE PRONTO ATENDIMENTO

ENDEREÇO:	Q. 102 – ÁREA ESPECIAL 1 - AVENIDA RECANTO
PROPRIETÁRIO:	Secretaria de Saúde do Distrito Federal INSTITUTO DE GESTÃO ESTRATÉGICA DE SAÚDE DO DISTRITO FEDERAL (IGESDF)
AUTOR DO PROJETO:	FILLIPE DE JESUS GUEDES CREA 22573/D-DF
RESPONSÁVEL TÉCNICO:	

Secretaria de Saúde do Distrito Federal
Instituto de Gestão Estratégica da Saúde do Distrito Federal

FILLIPE DE JESUS GUEDES CREA 22573/D-DF

CBMDF:

CBMDF:

OUTROS:

PROJETO DE CÁLCULO ESTRUTURAL

Prancha: FUN	Ocupação: HOSPITALAR	Grupos: 32	Prancha: 01/01
	Conteúdo: CASA DE BOMBAS		
	Medidas de Segurança:		
Nome do Arquivo: 2024-010-HUPA-EST-PE-01-ADE-UND-R03	Data: 01/2025	Desenho: FILLIPE	Escala: INDICADA
			Revisão: R00