

21. PM
15.6.33

Compareça a D. G. de 6.ª Viação
8-5-933

Proced.
PUBLICADO

Exmo. Snr. Intendente Municipal

No. 6642
Reg.
Mat.
Dist.
Clas.
Doc. 100
quatro plantas

Como requer:
15-6-933

Proced.
PUBLICADO

Georg Black

proprietario do terreno

sito á Rua S. Antonio, 341, junto ao predio

n. —, desejando construir, conforme a planta junto, requer a V.

Exa. a respectiva licença.

Recebi as plantas
Em 15-6-33
Oth Krüger

Nestes termos

P. deferimento.

Recebi as plantas Porto Alegre, 13 de Abril de 1933.

62 m. 50 cm
de 15.5.33

João Lourenço

Intendencia Municipal
AGUAS E EGO
20 ABR 1933
Fls. 62
Nos. 4



38
142 28
26-4-33
Domingos

Directoria Geral do Departamento
(Departamento Central)
20 ABR 1933
PROTOCOLO
Ref. 6642
Dallier

341-2033

liada temos a
appt.

Directorio de Comercio de Tránsito

18.4.33

[Signature]

a' vgs.

20.4.33

A' Directoria

para informar.

J.D

20.4.33

[Signature]

Presente satisfz. e Reg. de Com

25-4-933

[Signature]

[Signature]

26.4.33

a' vgs.

26.4.33

[Signature]

90 de um remessa em
um inventario de valores
em intro.

29.4.33

[Signature]

[Signature]

Director Geral

A' Secretaria

25/33

[Signature]

A' Dir. G. O. V.

10/5/33

Não ha mais remessa
em um inventario de valores
que
seguir.

de acordo com
9.6.33

conforme

10-6-933

[Signature]

Visto

[Signature]

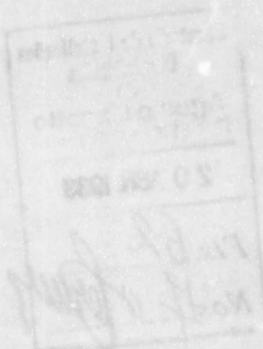
Director Geral

A' Secretaria

12/6/33

A' Dir. G. O. V.

19/6/33



6642-33

6642/933

(2)

Projeto Sr. Georg Black.

Cálculo estático.

Tensões aplicáveis: de concreto $\sigma_c = 40 \text{ kg/cm}^2$
 de ferro rec. $\sigma_s = 1200 \text{ "}$
 de ferro pass. $\sigma_p = 1200 \text{ "}$
 eja em T $\sigma_f = 1200 \text{ "}$

Lajes sobre Torão.

Laje a $l = 0,80 \text{ m}$ sem cálculo:
 de ferro $f = 6 \text{ kg } 1/8 \text{ por m.}$

Laje b $l_{max} = 1,50 \text{ m.}$

cargas: Mu = 2800

 $l = 1,30 \text{ m. } 400 \cdot 20 = 1500 \text{ kg}$ Balaustrada 1500 $= 40 \text{ "}$

ac. 200 "

Laje a $200 \cdot 500 = 100 \text{ "}$ passo a passo 80 " $Q = 3100 \text{ kg}$ $q = 0 \cdot \frac{45}{2} \cdot 500 = 1500 \text{ kg}$ $q = \frac{q^2}{9} = 500 \cdot \frac{45}{9} = 525 \text{ kg}$ seção: retângulo $28 \cdot 20$ $b = 15 \text{ cm. } l = 12 \text{ cm}$
 $q = 459 \cdot 15 = 457 \text{ kg}$ $d = 20 = 2 + 1,39 \cdot \sqrt{\frac{525}{0,28}} : \sigma_s = 40/1000$ $f = \frac{M}{q \cdot l} = \frac{52500}{0,28 \cdot 1,39} = 3,28 \text{ m} = 4 \text{ kg } 1/2$ colater 4 kg $1/4 \text{ por m. } \tau_c = \frac{M}{l} = \frac{1500}{1,39 \cdot 459} = 4,70 \text{ kg/cm}^2$

6642-3 - 6642/033

(2)

Report to the Board

Financial Statement

Income Statement
Balance Sheet
Statement of Cash Flows
Statement of Financial Position

Notes to the Financial Statements

Supplemental Information

Management Discussion and Analysis

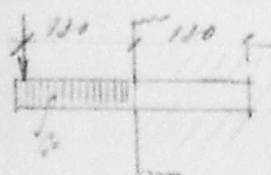
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6642-33

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11/20 ③ balance $L = 1.20 m$ 

$$\text{carga como } 100 \text{ kg } L = 2.170 \text{ g/m}$$

$$L = 2 \cdot \frac{L^2}{2} = 2.170 \cdot \frac{1.20^2}{2} = 1780 \text{ g/m}$$

$$H = 2 \cdot L = 2.170 \cdot 1.20 = 2750 \text{ g}$$

28/30. carga en T. (cobertura) $L = 0.50 m$

$$d = 3000 \cdot 3 + 6.450 \cdot \frac{1.20^2}{2} = 315/1200 \text{ g/m}$$

$$x = 1.20 \cdot 27 = 3.24 m < d$$

$$A = 1.20 \cdot \frac{1.20^2}{2} = 12.00 \text{ cm}^2 \cdot 1.10 \text{ cm}^2 = 5 \text{ g/g}$$

cálculo de ρ

$$\rho = \frac{1.20}{12.00 \cdot 1.10} = 3.55 \text{ g/m}^2$$

21/20 3. $L = 2.60 m$ para repasar a lazo en

$$\text{carga } L = 2.170 \text{ g/m}$$

$$\text{perímetro } 100 \text{ g/m}$$

$$L = 2.60 \text{ g/m}$$

$$H = 2.170 \cdot 2.60 = 5900$$

$$A = 2.60 \cdot 2.60 \cdot \frac{1.20^2}{2} = 2.25 \text{ m}^2$$

$$28/15 \quad L = 2.60 \text{ g/m} \quad \text{cálculo de } \rho$$

21/20 4. balance $L = 0.90 m$

$$\text{carga } L = 2.170 \text{ g/m}$$

$$\text{Perímetro } 100 \text{ g/m}$$

$$H = 2.170 \cdot 0.90 = 2160 \text{ g}$$

$$28/30 \quad d = 4 + 6.450 \cdot \frac{1.20^2}{2} = 50/1200 \text{ g/m}$$

$$A = \frac{21600}{1200 \cdot 0.85} = 10.18 \text{ cm}^2 = 5 \text{ g/g}$$

$$\text{cálculo de } \rho \quad H = 2.170 \cdot 0.90 = 2160 \text{ g}$$

$$A = 10.18 \text{ cm}^2 = 5 \text{ g/g}$$

$$H = 2.170 \cdot 0.90 = 2160 \text{ g}$$

$$\rho = \frac{2160}{10.18} = 5.15 \text{ g/m}^2$$

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6642-33 6642.933

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lage sobre andas firmes.

lage: b: 1.20m. semis lage de
d = 8cm. fe = 6 1/4 ppm.

lage C: b = 2.40m (detalhes sobre)

argues	concrete 10cm	200 g/m ²
	Massa 3cm	60 "
	Reboco 2cm	40 "
	Hypocreas	30 "
	laje accidental	150 "

$\Sigma = 570 \text{ g/m}^2$

$$A = \frac{2\pi}{3} \cdot 570 \cdot \frac{2.40^2}{8} = 260 \text{ m}^2$$

$$H = B = 1.20 \cdot 570 = 600 \text{ g/m}$$

$$d = 10 \text{ cm} = 1.50 + 6.45/1500 \quad S = 35 \text{ g/1000 g/m}^2$$

$$b = 1.00 \text{ let } 1500 = 3.91 \text{ g/m}^2 \quad \text{Ep } 5 \frac{1}{6} \text{ ppm}$$

Hjolo arreados!

lage d: b = 1.20m. sem calado

d = 10cm (lejit armados) fe = 7 1/4 ppm
Q = 1/4 = 450 = 300 g/m

Viga:

Viga 5

b = 3.30m

laje: Massa 30cm b = 2.25m

480 = 3.50

lage b.

ppm

1650 g/m

200 "

150 "

$$\Sigma = 2000 \text{ g/m}$$

1540 $A = \frac{2\pi}{3} \cdot 2000 \cdot \frac{3.30^2}{8} = 2420 \text{ m}^2$

$$H = B = \frac{3.30}{2} \cdot 2000 = 3200 \text{ g}$$

$$d = 40 \text{ mm} = 5 + 0.61 \text{ g/1000} ; S = 24 \text{ g/1000 g/m}^2$$

$$b = \frac{242000}{1200 \cdot 21} = 7.30 \text{ cm}^2 = 5 \frac{1}{6} \text{ g}$$

$$S = \frac{200}{15 \cdot 21} = 7.10 \text{ g/m}^2$$

Exibito 4 e 4 1/4 ppm

33. 102452 (10/1/52)

2

6642-33

6642/933

Fig. 6. (5) l. 4.20 m. carga Min 30 cm

350	480	1680 g/m
Chape d. (recubierta en	1000	•
layer de barridos	200	•
Pellure	200	•
pp	120	•
		<u>2200 g/m</u>

A. O. 4.20. 2200. 5200 g.

A. $\frac{4.20^2}{8} = 2200 \cdot \frac{4.20^2}{8} = 6100 \text{ m}^2$ 15/60 d. 50 = 5 + 6.75 / $\frac{1000}{400}$. $\sigma = 265 / 1200 \text{ g/m}^2$ $f = \frac{61000}{1200 \cdot 40} = 12.70 \text{ cm} = 5 \frac{3}{4}''$ $\sigma = \frac{5200}{15 \cdot 40} = 8.70 \text{ g/cm}^2$. colorado 4 $\frac{1}{4}$ pulgadas

Fig. 7. l. 3.50 m. carga.

layer d.	200 g/m
barrota 10 cm	500
cc. 3.50	50
pp.	
<u>2250 g/m</u>	

A. $\frac{4.20^2}{8} = 2200 \cdot \frac{3.50^2}{8} = 1300 \text{ m}^2$
 $V_{\text{muc}} = \frac{A}{f} = \frac{13000}{1000} = 13.00 \text{ m}^3 = 1 \text{ Porcel I}$
 altura 16 cm.

Constructor
 Otto Klinger

6627933

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Copy of letter

1860 1861

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Mr. J. H. ...



PREFEITURA MUNICIPAL DE PORTO ALEGRE
SMA - SERVIÇO DE DOCUMENTAÇÃO
SEÇÃO DE MICROFILMAGEM

AS PLANTAS E DESENHOS
QUE ULTRAPASSARAM A MEDI-
DA PADRÃO, CONSTANTES DÊS
TE PROCESSO, ESTÃO MICRO
FILMADAS NO FILME DE 35mm:

6642/1933

SÉRIE A	NÚMERO 0054	
FLASH 06	DATA 28.06.44	
ARQ 001	GAV 02	BOX 01

QUANT. DE FOC. 04


PREPARADOR

VISTO DO CHEFE

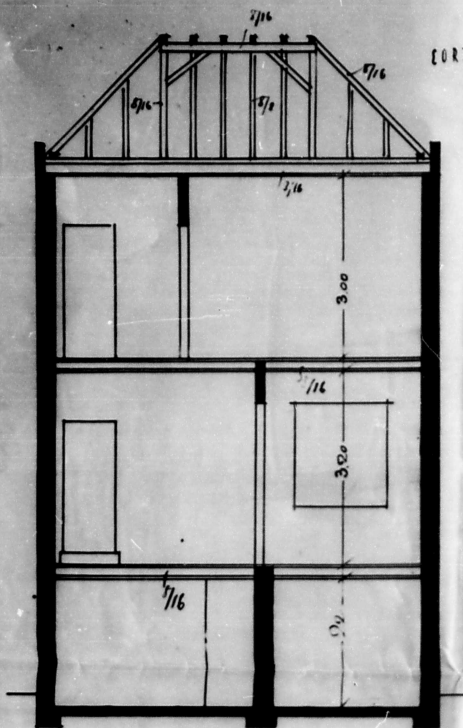


FILMADAS NO FILME DE 35mm:
 TE PROCESSO, ESTÃO MICRO
 DA PADRÃO, CONSTANTES DÊS
 QUE ULTRAPASSARAM A MEDI-
 AS PLANTAS E DESENHOS

229/2122

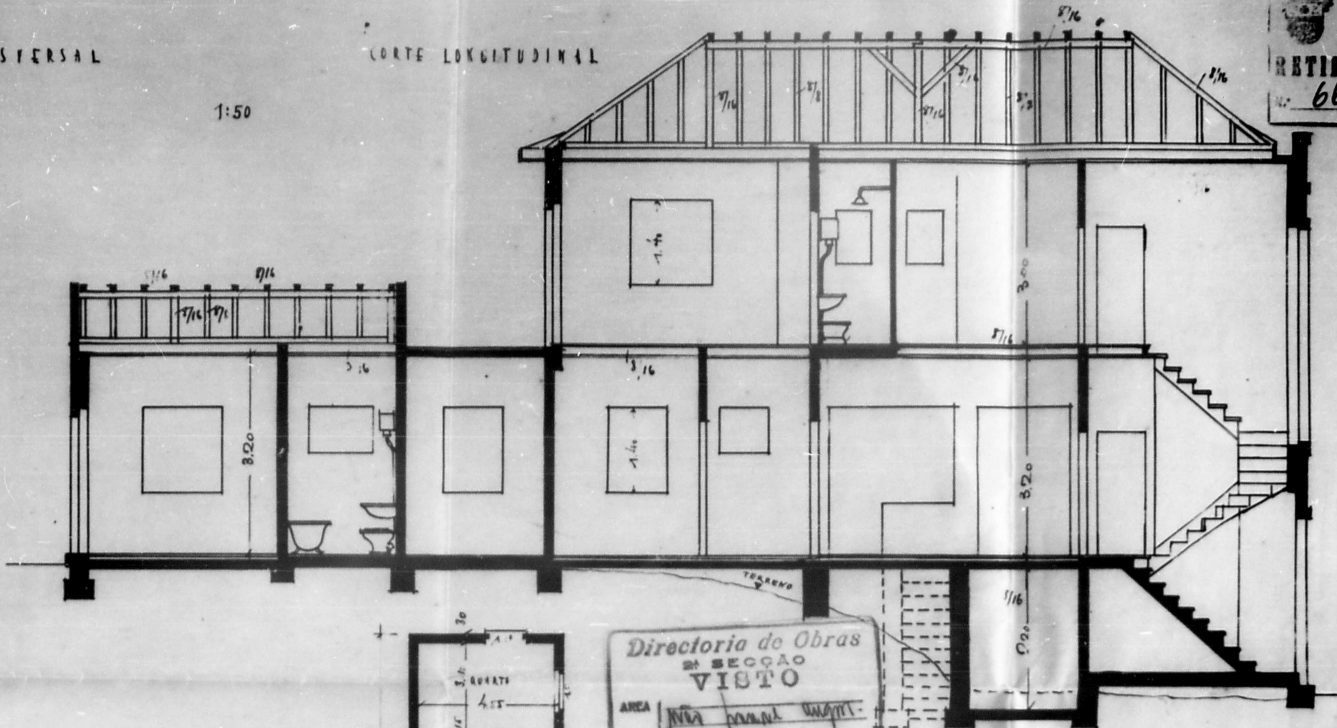
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DATA 28.06.74		FLASH 00
BOX 01	GAV 02	ARC 001

DATA DE AC.
11/11



CORTE TRANSVERSAL

1:50



CORTE LONGITUDINAL

ESTA P
RETIRADA
66431
C.R. & A.C.

RESIDENCIA

30 ILLMO. SR.

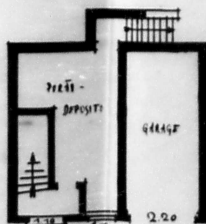
GEORG BLACK

RUA S. ANTONIO, 347.

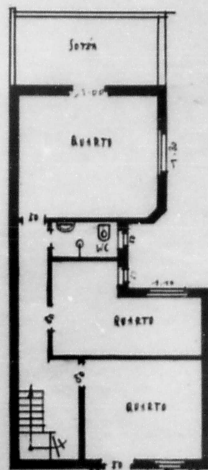
O CONSTRUTOR:

O PROPRIETARIO:

Engenheiro
Off. Arq. n.º 1
Georg Black
Eng.º de Arquit.

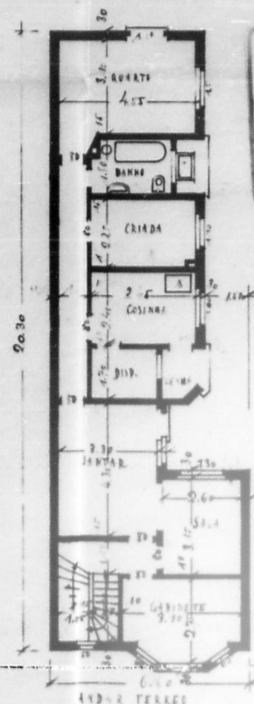


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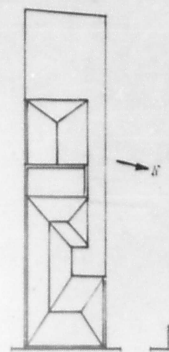


ANDAR SUPERIOR

1:100

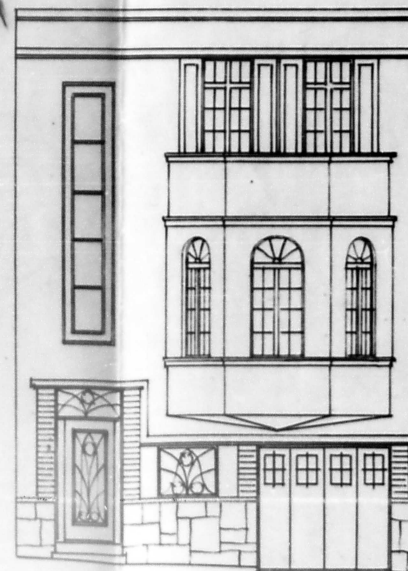


ANDAR TERREO



SITUAÇÃO

1:200



FACHADA 1:50

SEALADO COM Gelo + 200 mg.



Food

Escala 1:50,

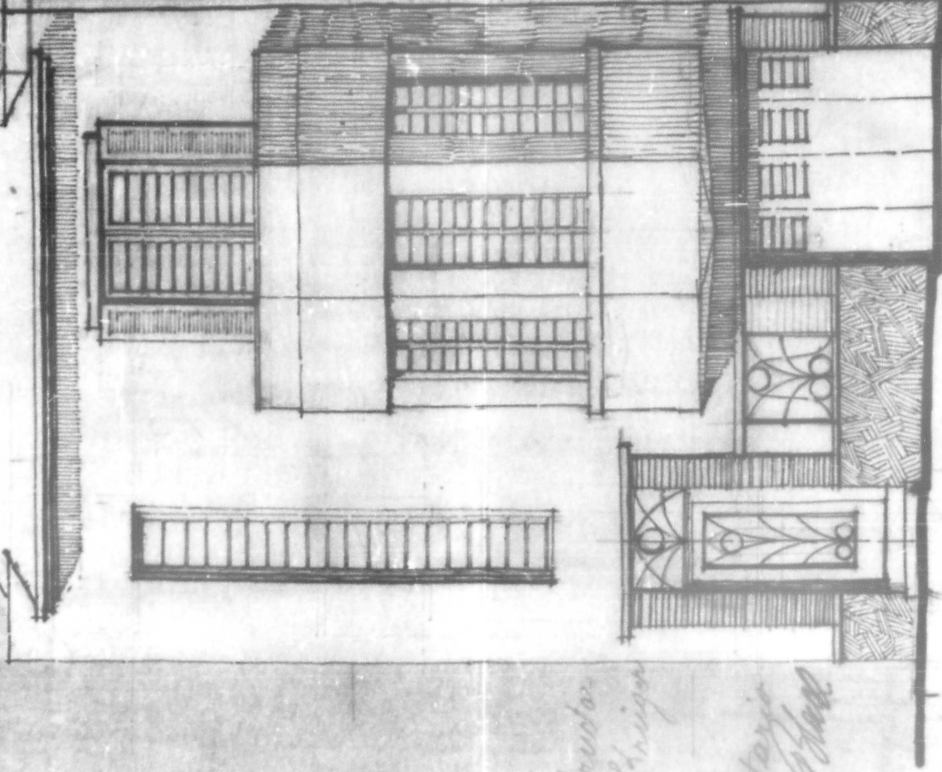


PREFEITURA MUNICIPAL DE SÃO PAULO
SECRETARIA DE OBRAS E SERVIÇOS
SEÇÃO DE PROJETOS

ESTA PLANTA FOI
RETIRADA DO PROC.

N.º 6642/1933

(N.º E ANO)



O. Construtor
H. P. P. P.

O. Arquiteto
H. P. P. P.



Fachada

na casa do sr. George Black, 2214 N. Y. Ave.

Diretoria de Obras
SEÇÃO
VISTO

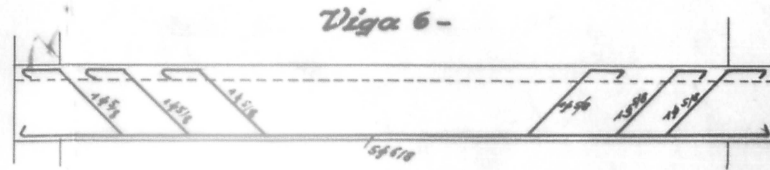
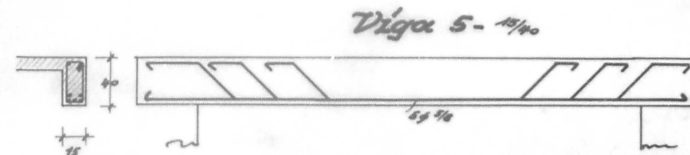
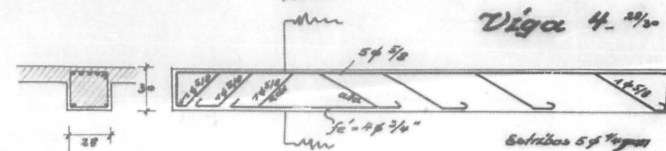
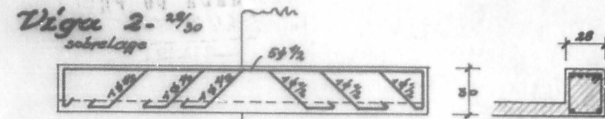
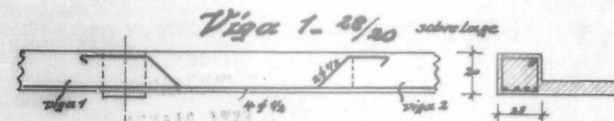
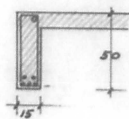
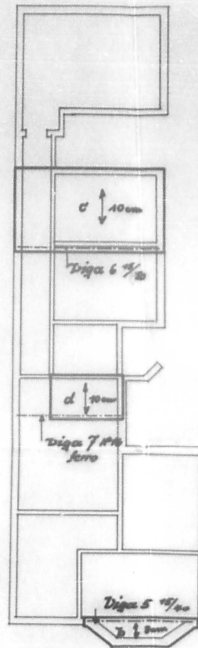
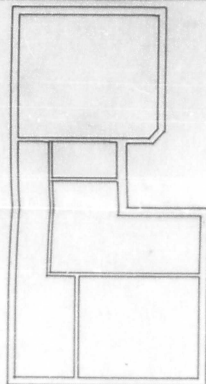
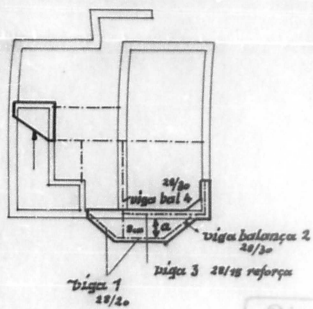
CE-8422

Projeto:
 Dr. Georg Balach.
 Cimento armado

Laje sobre
 pilar ferro



Laje sobre Pórtico
 1:100

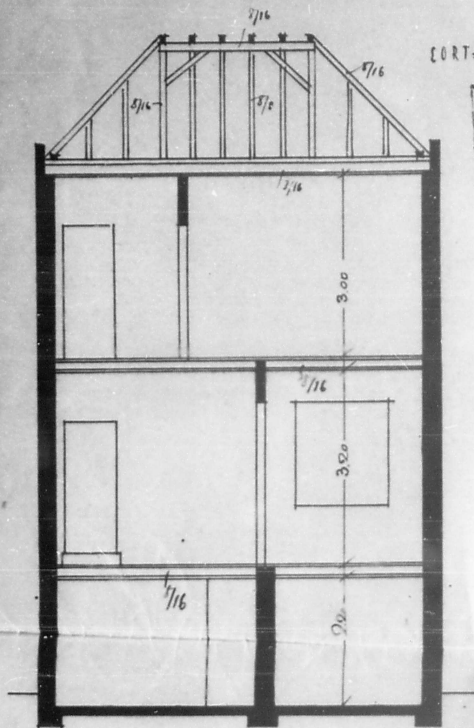


Escala dos detalhes: 1:20

Contribuição das Vigas: 4ª 7ª Vigas.



Construtor
 Otto Krüger

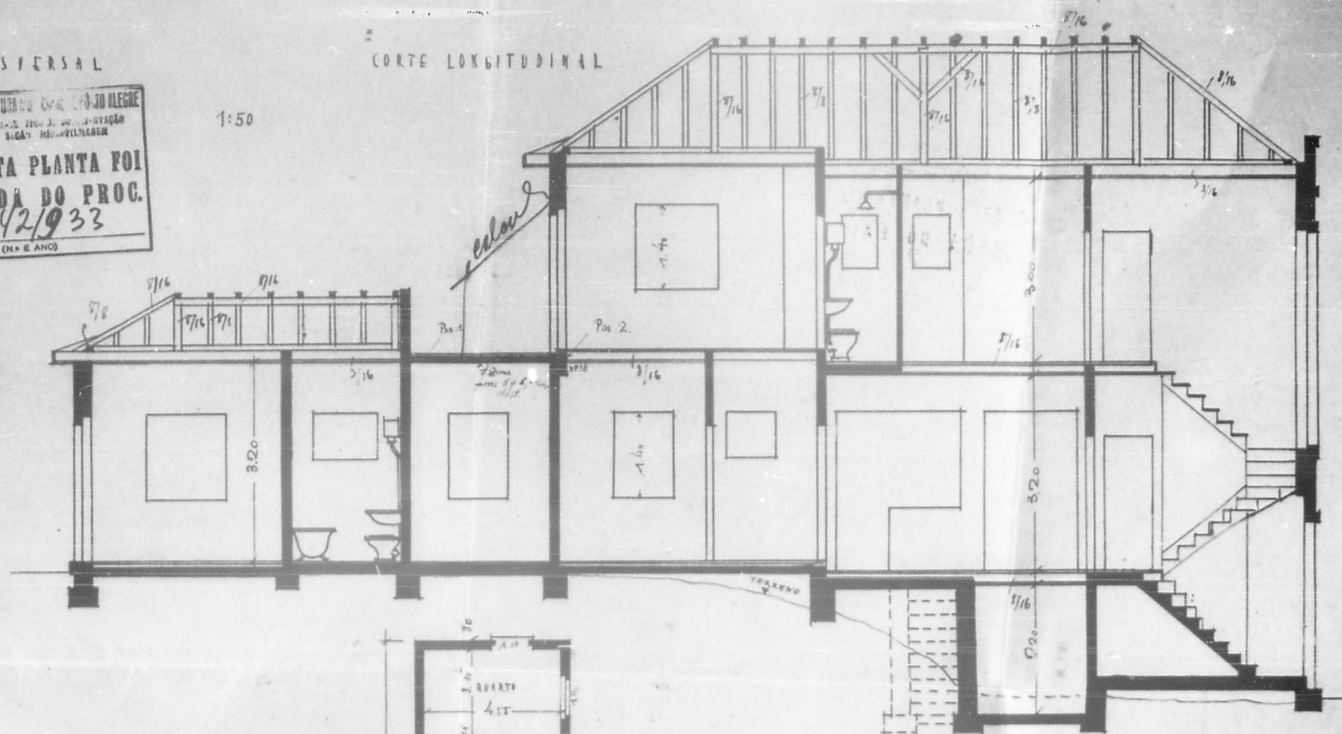


CORTE TRANSVERSAL



1:50

CORTE LONGITUDINAL

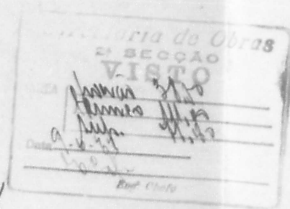


RESIDENCIA

DO ILLMO. SR.

GEORG BLACK

RUA S. ANTONIO, 347.



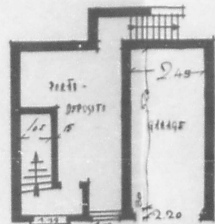
O CONSTRUTOR:

O PROPRIETARIO:

Behar Lawrence

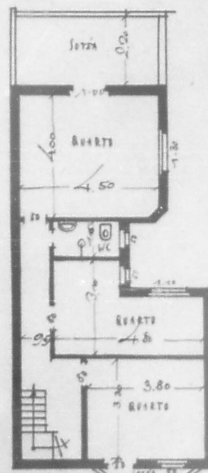
Georg Black

SELAADO COM GUA+200+100.



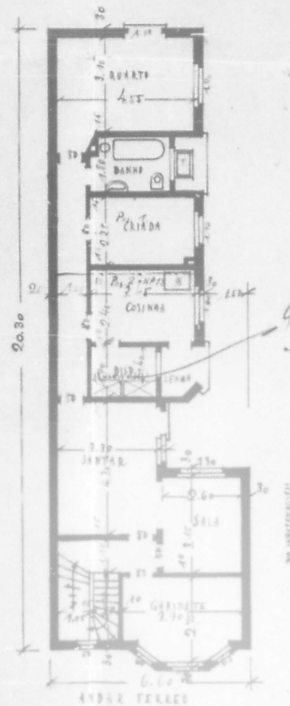
PARCELO

Construtor
Otto Krüger

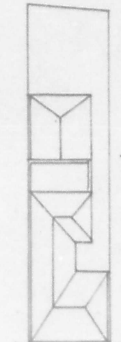


ANDAR SUPERIOR

1:100

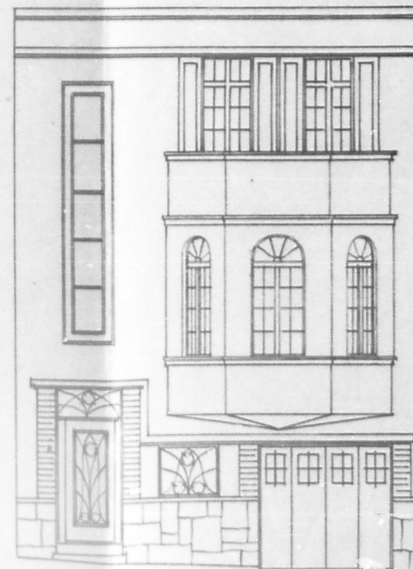


ANDAR TERREO



SITUAÇÃO

1:200



TACHADA 1:50