



İBE — 111 : 1976

İLLER BANKASI
TİP PROJELERİ

KULESİZ 6 HÜCRELİ 6,3-15 KV. TRANSFORMATÖR BİNASI

(BANKA İÇİN BASTIRILMIŞTIR.)

İ Ç İ N D E K İ L E R

PLÂN NO:

MONTAJ PLÂNI	1/33
MİMARİ PROJESİ	1/34
KAPI VS. DETAY PLÂNLARI	1/60

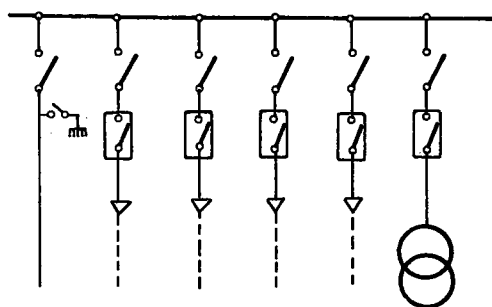
İLLER BANKASI
GENEL MÜDÜRLÜĞÜ MATBAASI

1 9 7 6

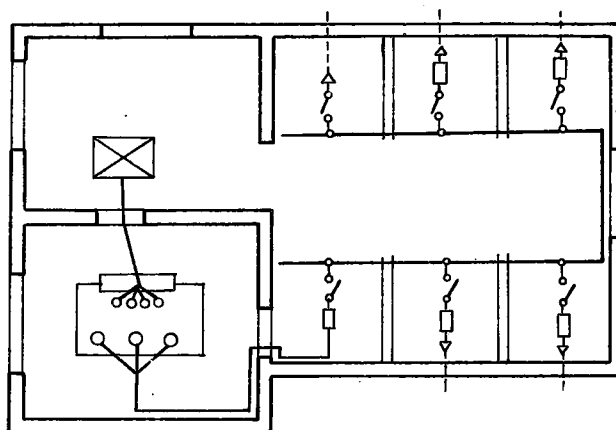
İLLER BANKASI

72
54

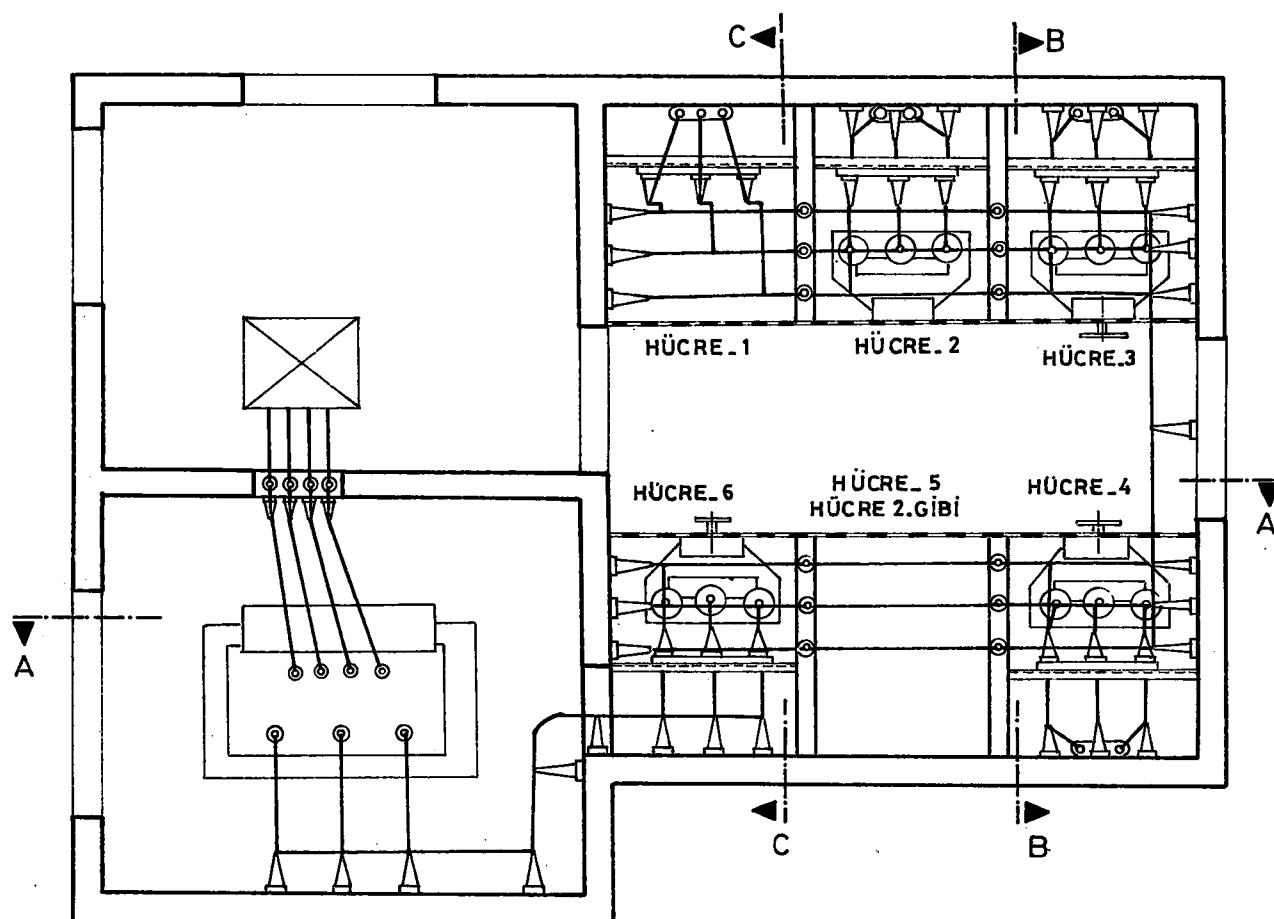
DEĞİŞİKLİK			TARİH	İMZA
a)				
b)				
KULESİZ 6 HÜCRELİ TİP TRANSFORMATÖR BİNASI MONTAJ PLÂNI			ÖLÇEK: 1/50	
			NO. LU PLÂN İPTÂL EDİLDİ	
			NO. LU PLÂN İPTÂL EDİLDİ	
Proje Yapanın Dip.No: Ünvanı, Adı Soyadı	İMZA	İMZA TARİHİ	İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ	PLÂN NO: III 1/33
ELK.Y. MÜH HÜSEYİN BODUR ODA NO: 343				ARŞİV KAYIT NO:
ÇİZEN: KEMAL YILDIRIM				



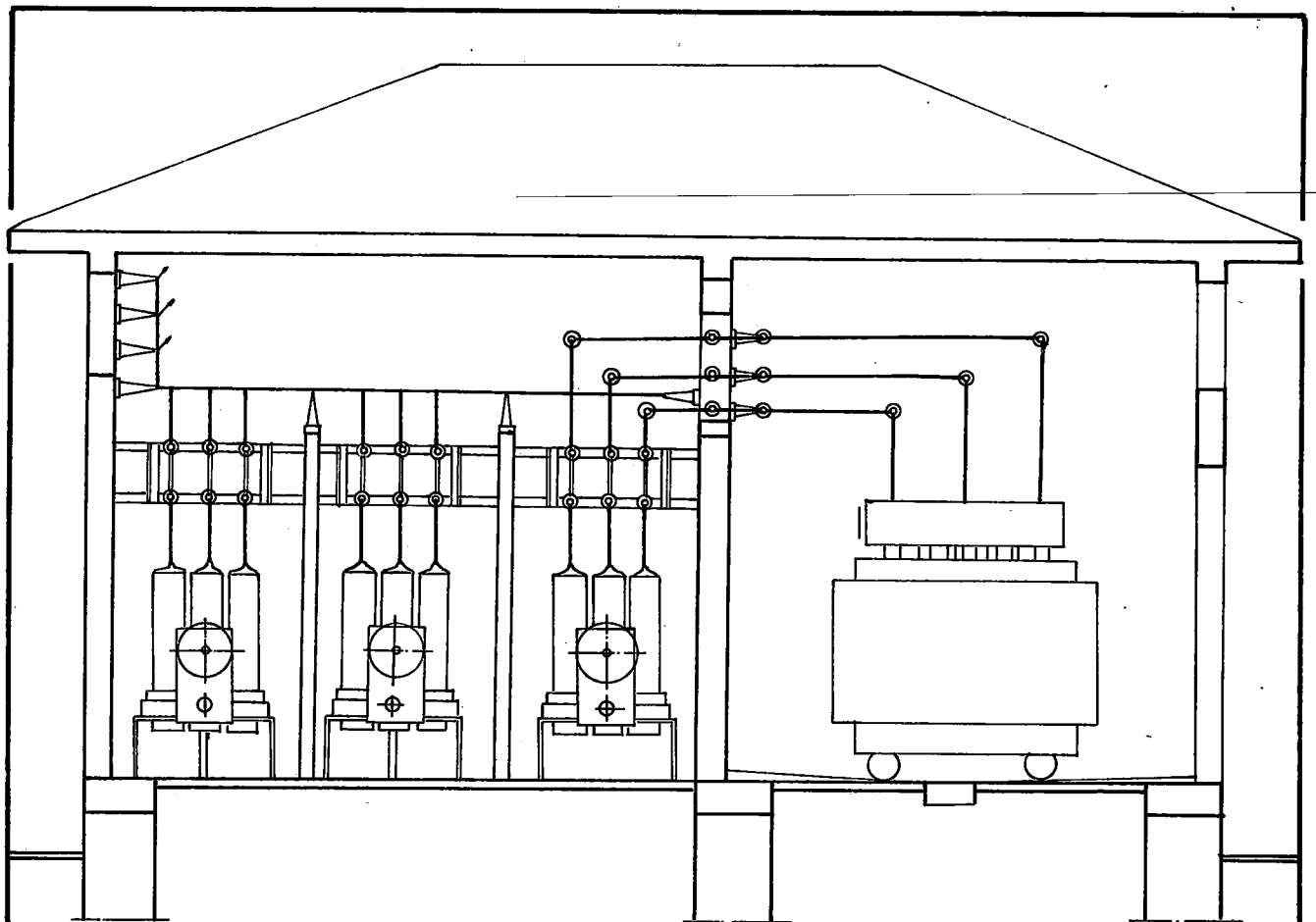
ŞEMA



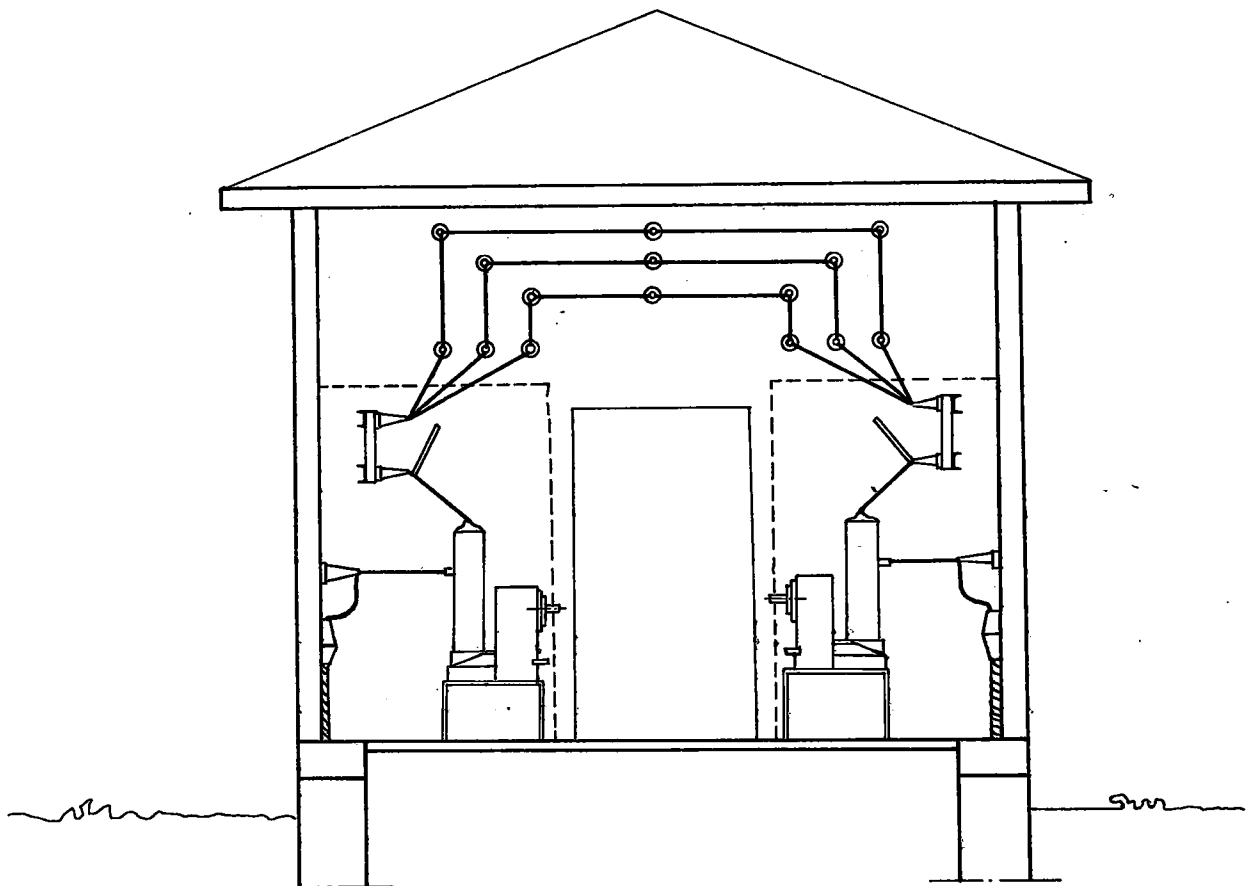
GENEL MONTAJ PLÂNI



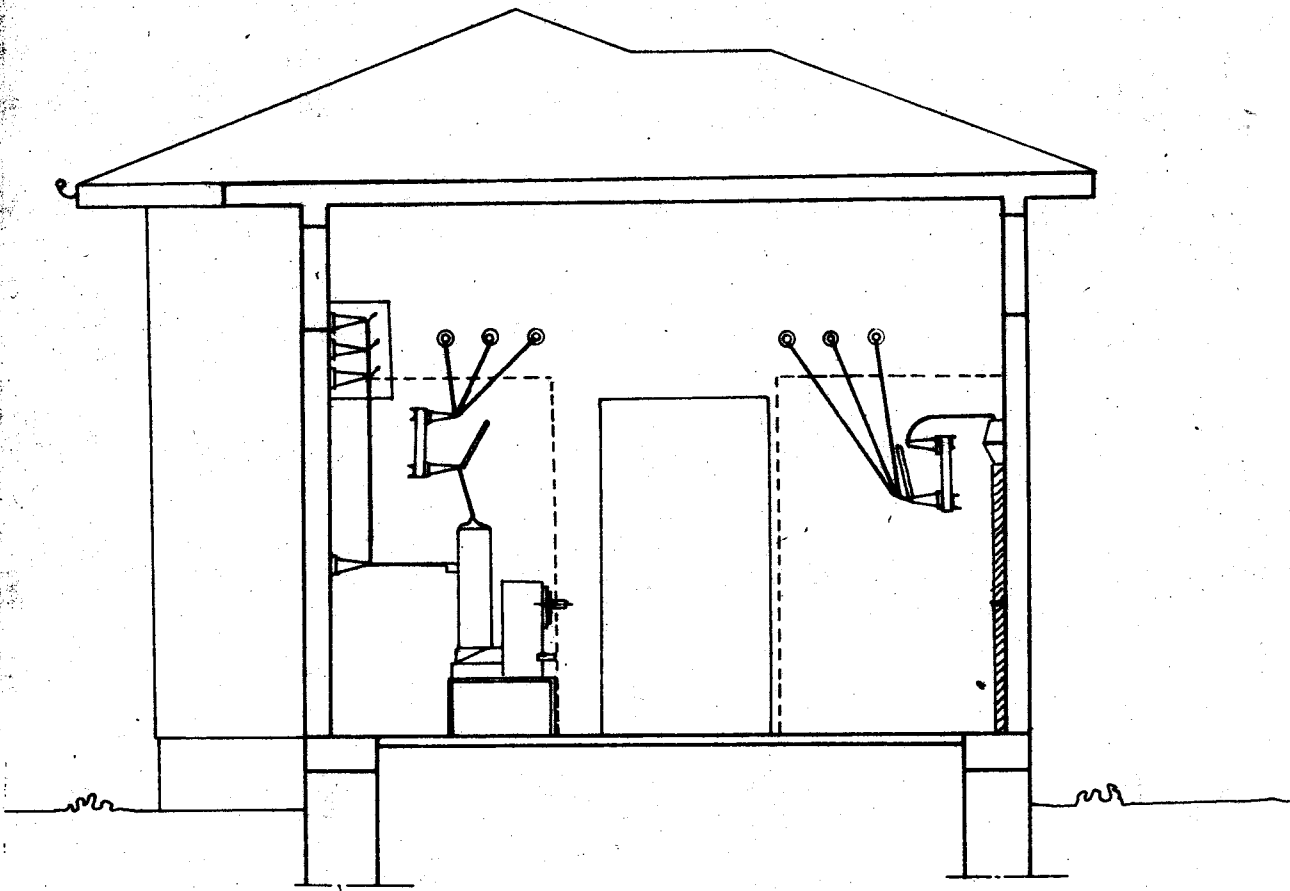
PLÂN



A-A KESİTİ



B-B KESİTİ

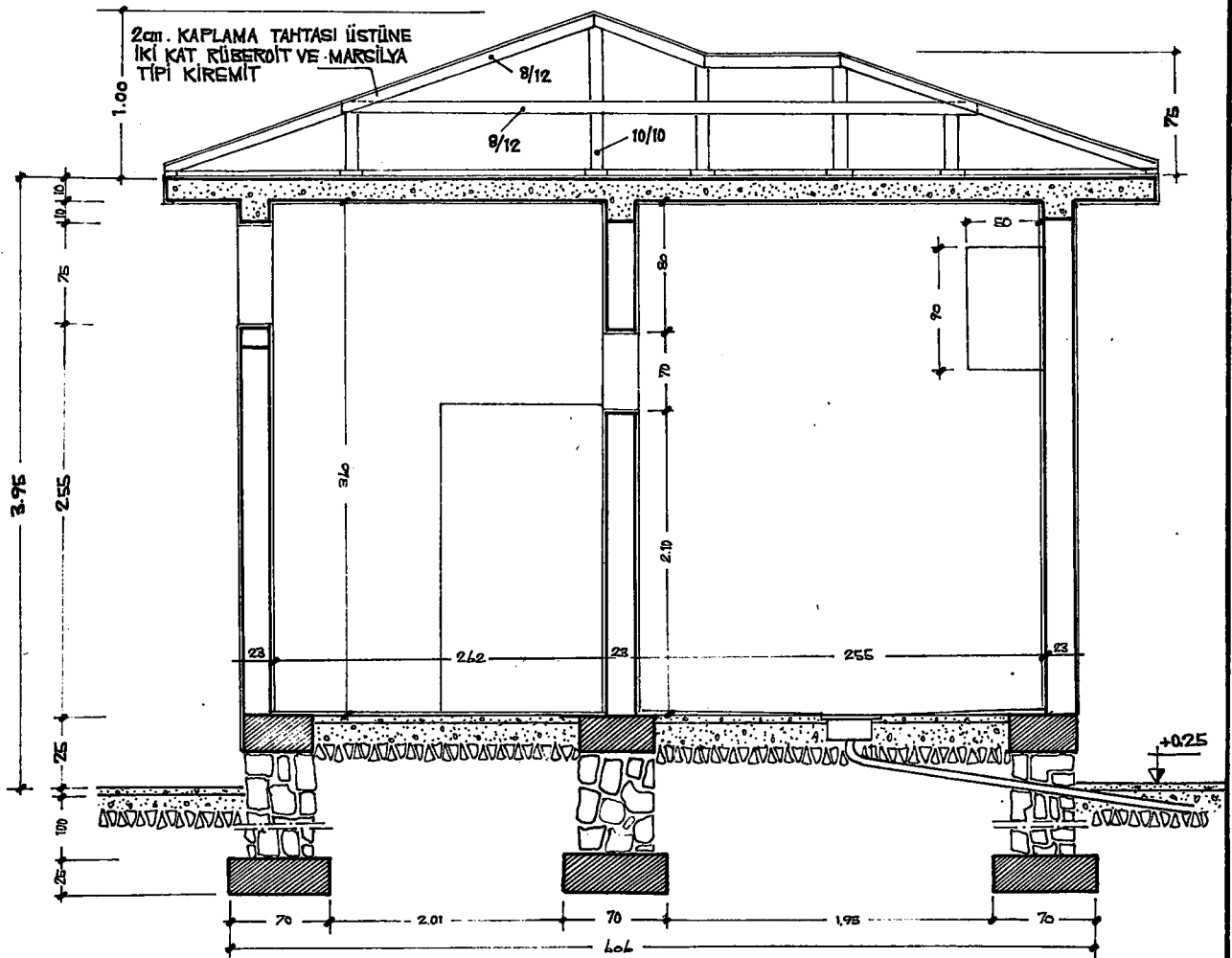


C.C KESİTİ

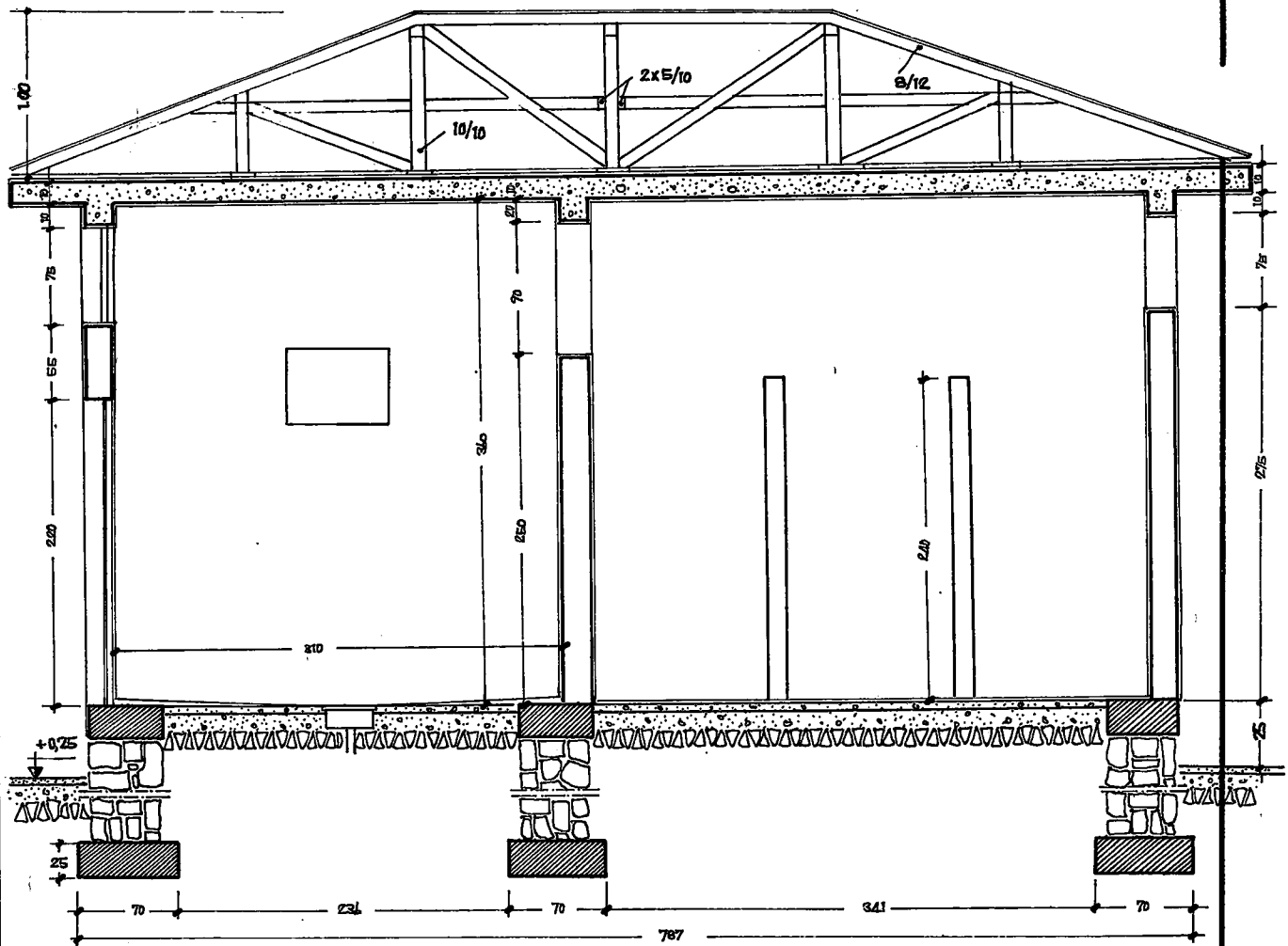
İLLER BANKASI

72
54

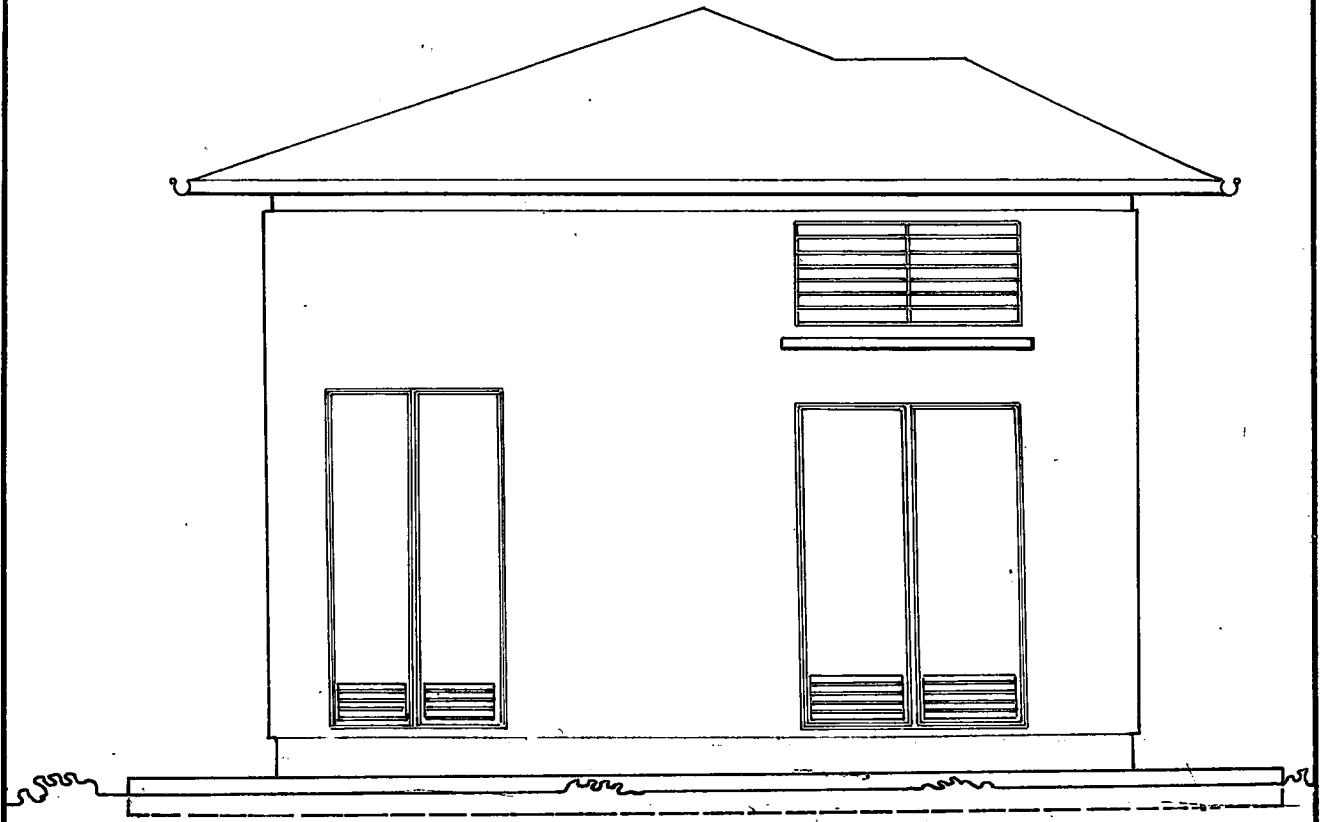
DEĞİŞİKLİK			TARİH	İMZA
a)				
b)				
6.3-15 kV 6 HÜCRELİ KULESİZ TİP TRANSFORMATÖR BİNASI MİMARİ PROJESİ			ÖLÇEK : 1/50	
			NO. LU PLÂN İPTÂL EDİLDİ	
			NO. LU PLÂN İPTÂL EDİLDİ	
Projeyi Yapanın Dip. No. Unvanı Adı Soyadı	İMZA	İMZA TARİHİ	İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ	
İNS.YÜKMÜH. ÇETİN PEKİNER ODA NO:8730 DİPL: 4753 TEL:17 47 01				
ÇİZEN :			PLÂN NO. : 111 - 1 / 34	
			ARŞİV KAYIT NO. :	



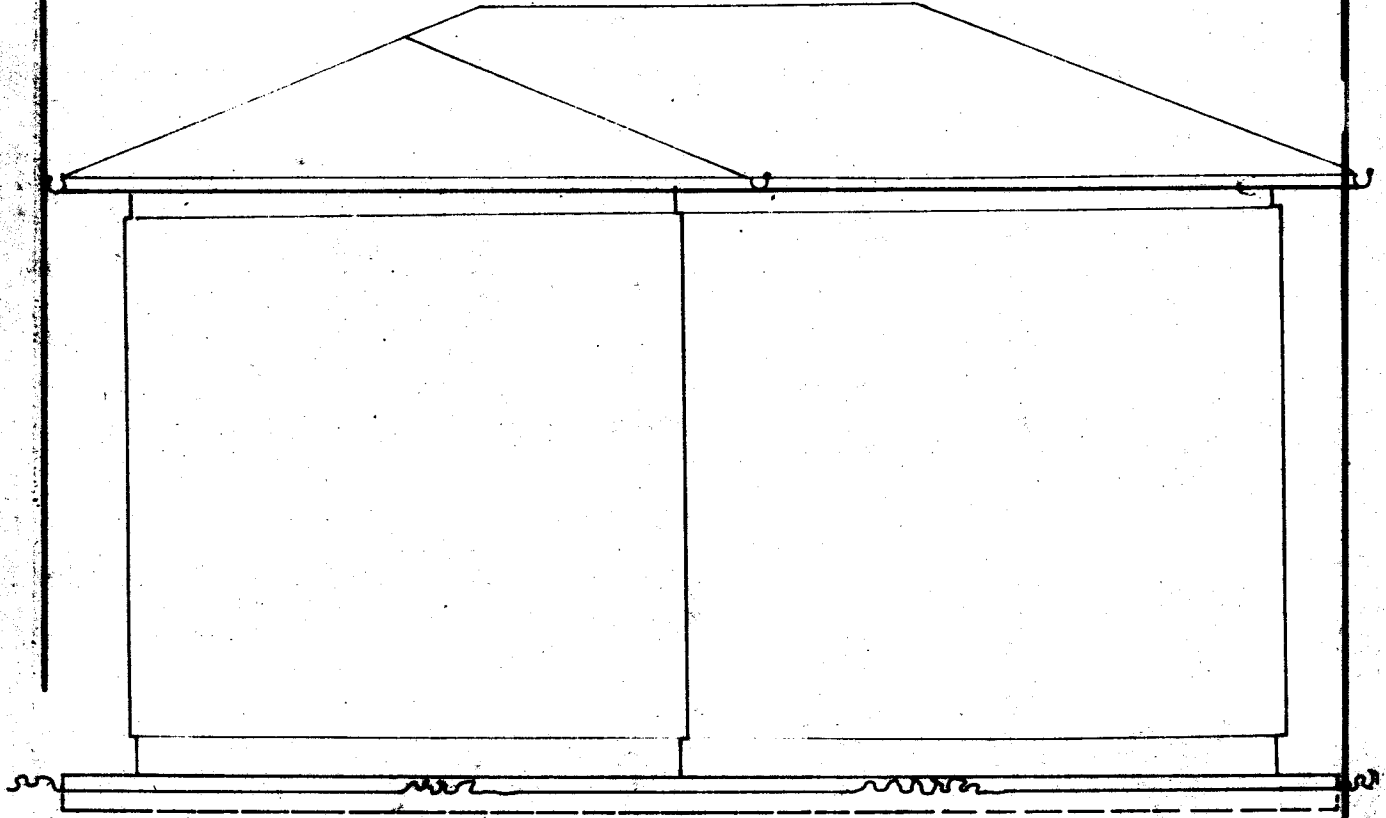
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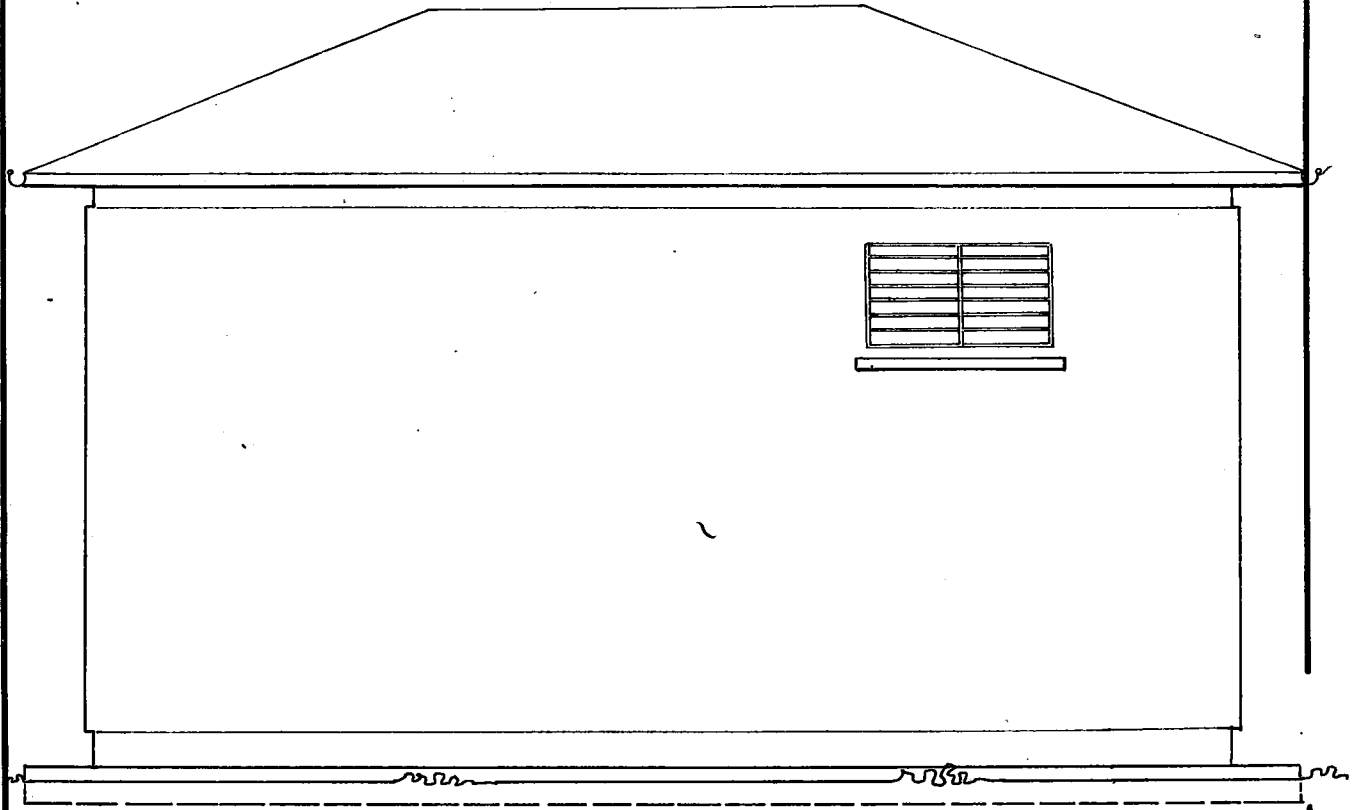
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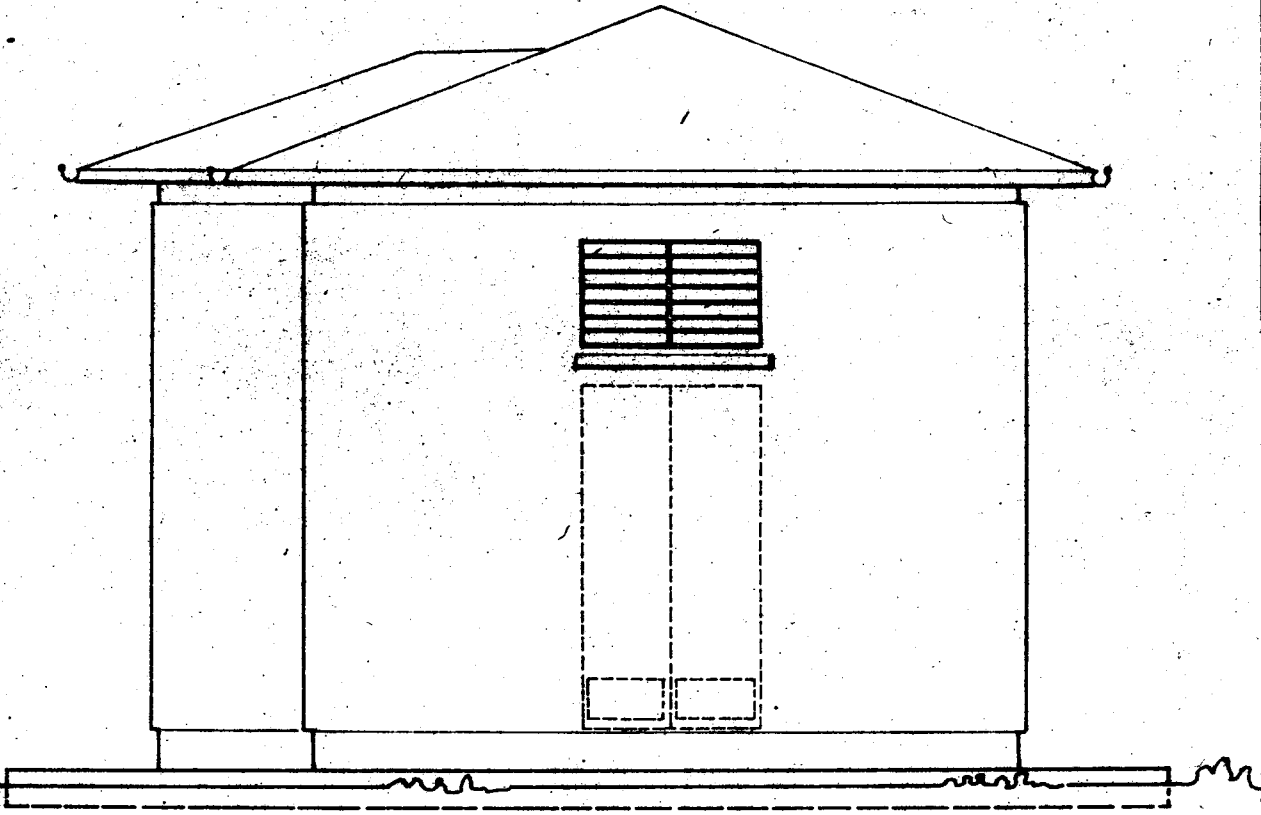
ÖN GÖRÜNÜŞ



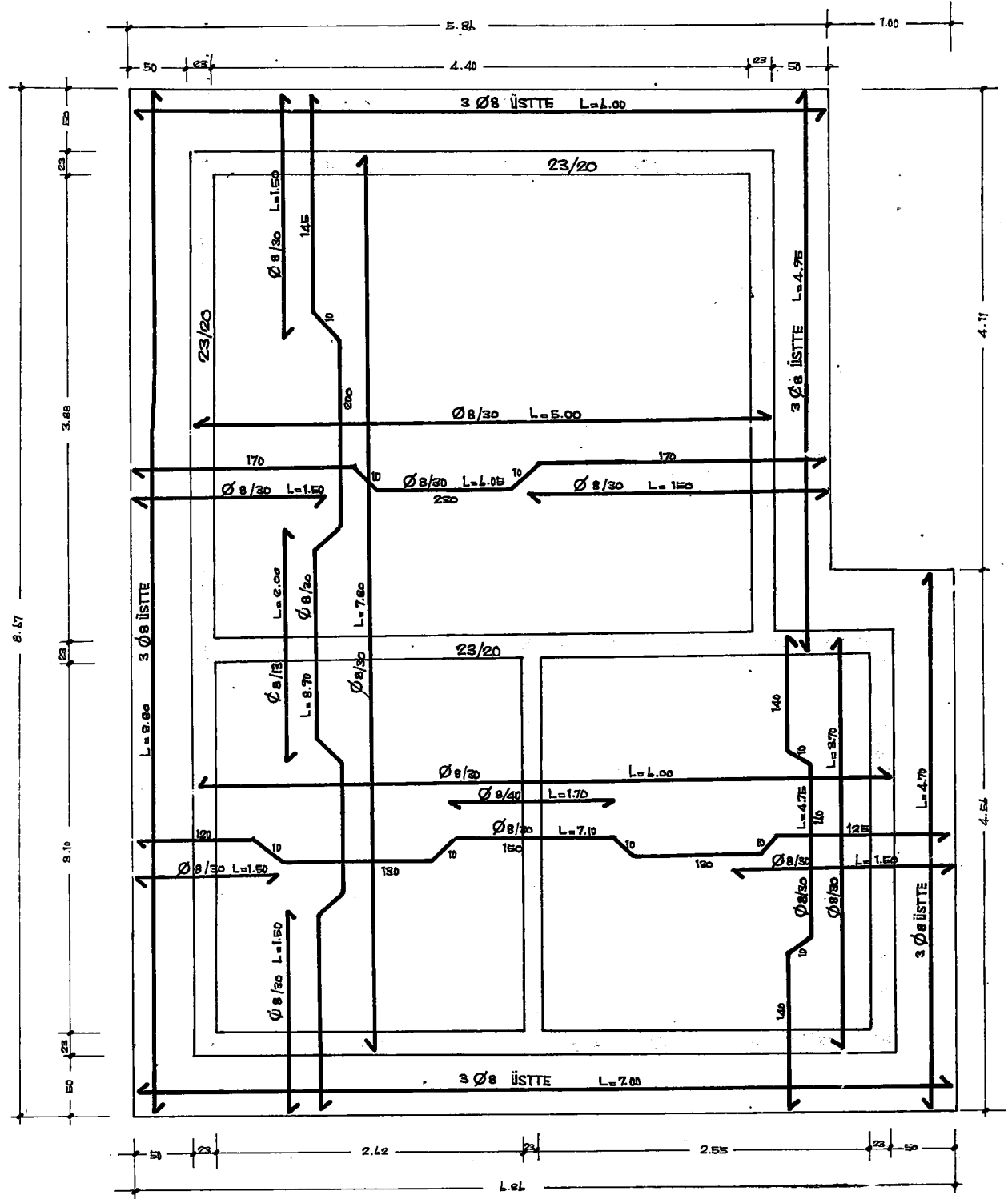
SAĞ YAN GÖRÜNÜŞ



SOL YAN GÖRÜNÜŞ

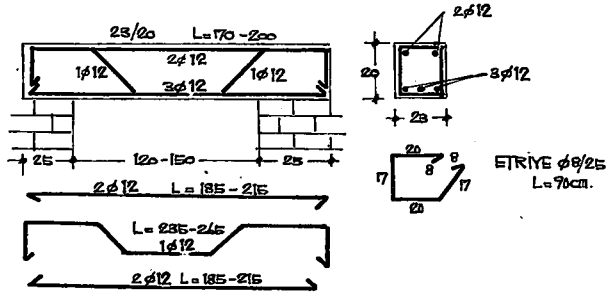


ARKA GÖRÜNÜŞ

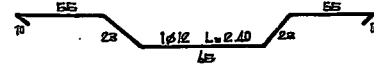
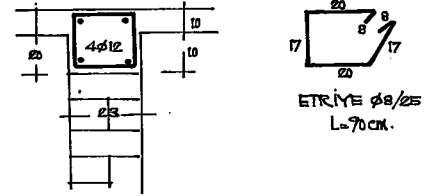


BETONARME TAFSILATI

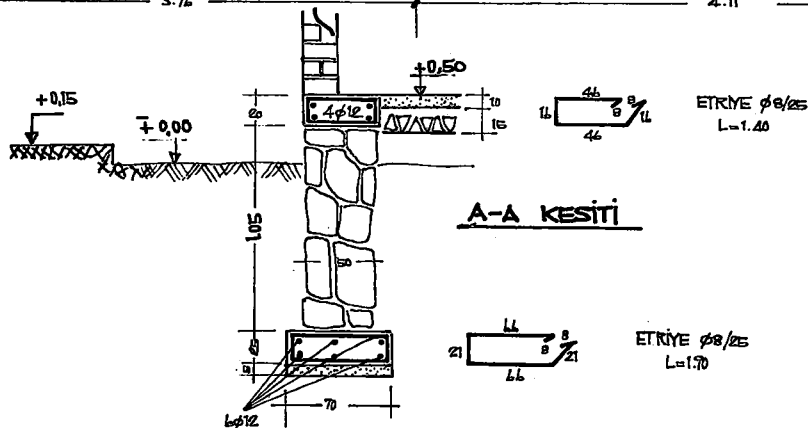
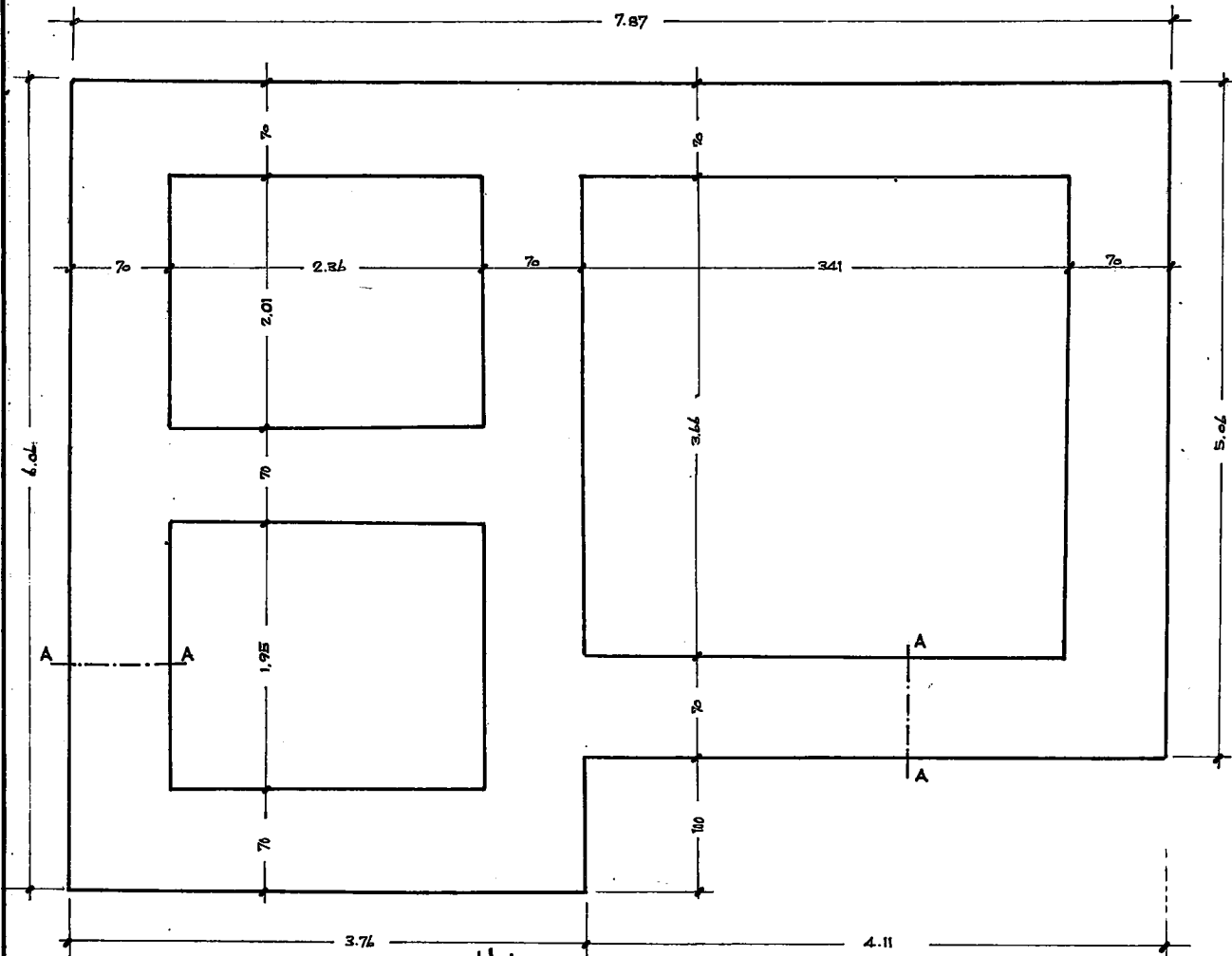
KAPI ÜSTÜ LENTOLARI

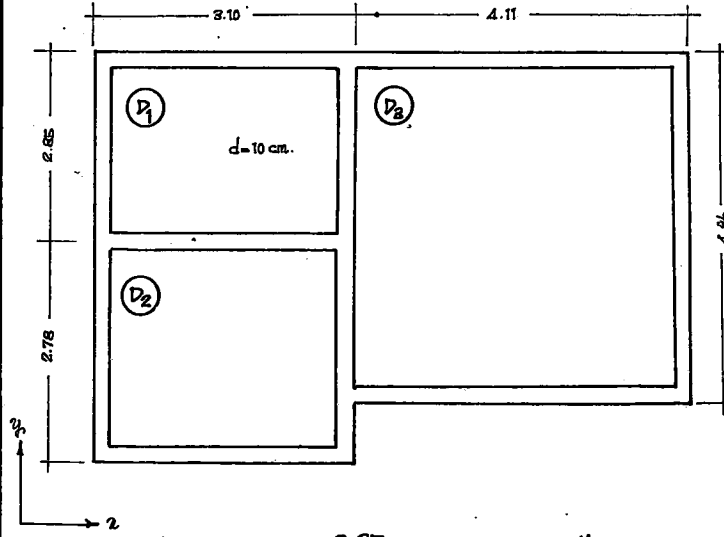


B-B TABLİYE HATILI 23/20 KESİTİ



TABLİYE HATILINDA ÜST PENCERELERDE
İLAVE EDİLECEK PİLİYE DETAYI





Malzeme St I B10

Yük: Döşeme zati	= 0.10 x 2.4 = 0.240 t/m ²
Sıva	= 0.055 "
Ahşap çatı	= 0.100 "
Kar	= 0.075 "
	<u>0.470 t/m²</u>

$$D_{1,2} = \varepsilon = \frac{2.85}{3.10} = 0.92$$

$$\alpha'_4 = 0.0260$$

$$\beta'_4 = 0.0362$$

$$\gamma'_4 = 0.5826$$

$$D_3 = \varepsilon = \frac{4.63}{4.11} = 1.13$$

$$\alpha'_2 = 0.0481$$

$$\beta'_2 = 0.0220$$

$$\gamma'_2 = 0.1798$$

α DOĞRULTUSU

D_1, D_2 AÇIKLIĞI $M_{12} = 0.0260 \times 0.470 \times 3.10^2 = 0.12 \text{ t/m.}$

Donantı : $h = 7.5 \text{ cm.}$ $\underline{Q_b = 23 \text{ kg/cm}^2}$ $f_e = 1.22 \text{ cm}^2$ Min donantı $\phi 8/15$ (1 Pilye, 1 düz)

D_3 AÇIKLIĞI $M_{32} = 0.0481 \times 0.47 \times 4.11^2 = 0.36$

Donantı : $h = 8.5 \text{ cm.}$ $\underline{Q_b = 38 \text{ kg/cm}^2}$ $f_e = 3.34$ donantı $\phi 8/15$ (1 pilye, 1 düz)

$D_1 - D_3$ mesneti $x = \frac{1}{8} \quad 0.1798 \times 0.470 \times 4.11^2 = 0.58$

Donantı : $h = 8.5 \text{ cm.}$ $\underline{Q_b = 57 \text{ kg/cm}^2}$ $f_e = 5.6 \text{ cm}^2$ Mevcut $\phi 8/30$
İlave $\phi 8/13$

γ DOĞRULTUSU :

$D_1 - D_2$ AÇIKLIĞI $M_{2y} = 0.0362 \times 0.470 \times 2.85^2 = 0.14 \text{ t/m.}$

Donantı : $h = 8.5 \text{ cm.}$ $\underline{Q_b = 22 \text{ kg/cm}^2}$ $f_e = 1.26 \text{ cm}^2$ Min. donantı $\phi 8/15$ (1 Pilye, 1 düz)

D_3 AÇIKLIĞI $M_{3y} = 0.022 \times 0.470 \times 4.63^2 = 0.22 \text{ t/m.}$

Donantı : $h = 7.5 \text{ cm.}$ $\underline{Q_b = 33 \text{ kg/cm}^2}$ $f_e = 2.28 \text{ cm}^2$ Min. donantı $\phi 8/15$ (1 Pilye, 1 düz)

$D_1 - D_2$ mesneti $x = \frac{1}{8} \quad 0.5826 \times 0.470 \times 2.85^2 = 0.28 \text{ t/m.}$

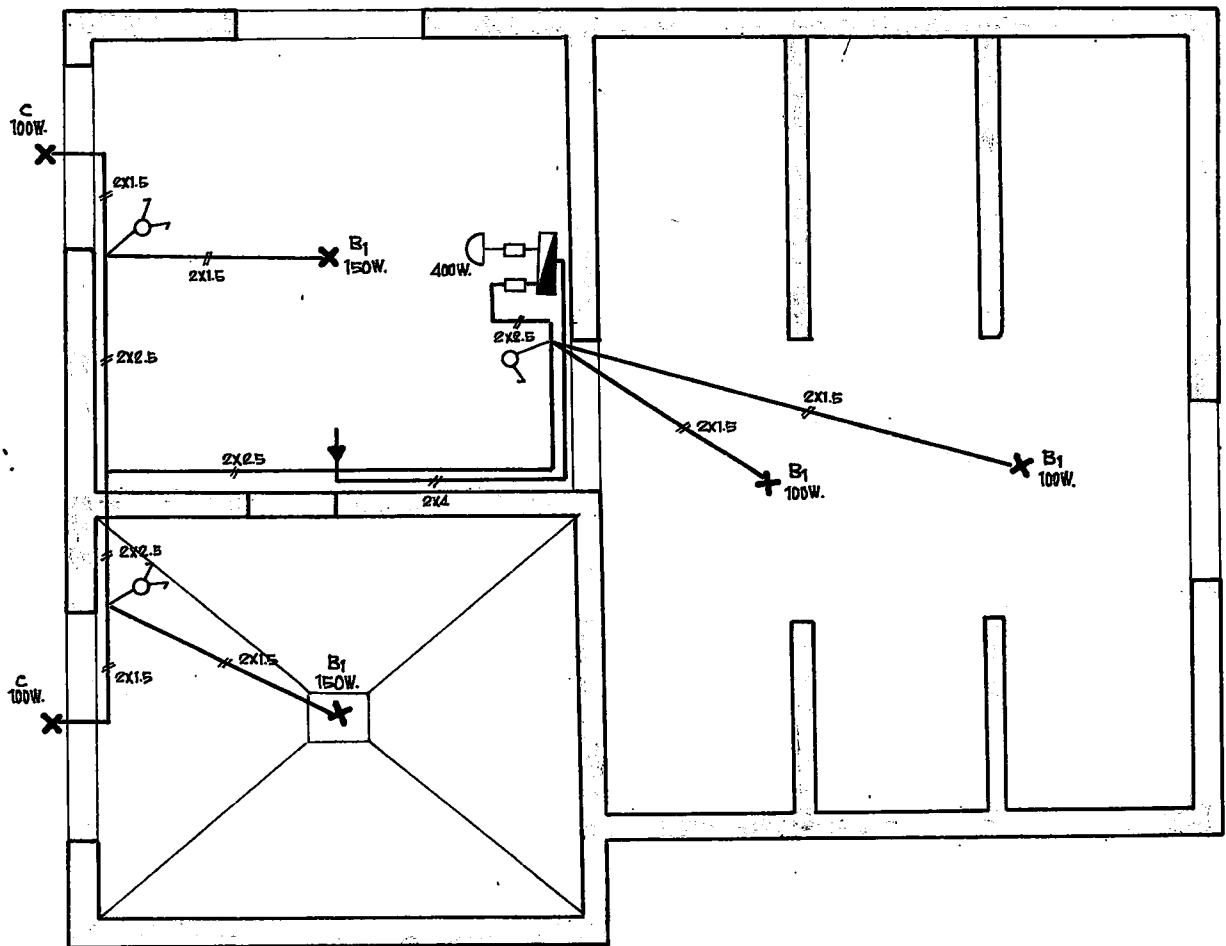
Donantı : $h = 8.5$ $\underline{Q_b = 33 \text{ kg/cm}^2}$ $f_e = 2.58 \text{ cm}^2$ Mevcut $\phi 8/30$
İlave $\phi 8/40$

SAÇAK TAHKİKİ $M = \frac{0.470 \times 0.62^2}{2} = 0.10 \text{ t/m.}$ Mevcut: $\phi 8/30$ ilave $\phi 8/30$

TEMEL GERİLME TAHKİKİ : Temel genişliği $b=0.70m$.

Yük : Döşemeden	:	$0.248 \times 0.47 \times 4.11 = 0.47$	t/m.
"	:	$0.315 \times 0.47 \times 2.78 = 0.41$	"
Tuğla duvar	:	$0.23 \times 3.40 \times 1.700 = 1.41$	"
Taş "	:	$0.50 \times 1.55 \times 2.2 = 1.71$	"
Temel	:	$0.70 \times 0.25 \times 2.4 = 0.42$	"
		<u>4.62</u>	t/m.

$$q_{\text{maks}} = \frac{4.62}{0.70} = 6.6 \text{ t/m}^2 < q_{\text{maks}} = 15 \text{ t/m}^2$$



1973 SENESİNE GÖRE İÇ TESİSAT
KESFİ

POZ NO	Cinsi	ÖLÇÜ	MİKTAR	B.FİYAT TL.	TUTARI TL.
	MERMER TABLO 15x20 cm.	ADET	1	25,-	25,-
724-201	BULŞONLU SİGORTA BA. (TABLO TİPİ)	"	2	23,-	46,-
734-101	NORMAL AYDINLATMA SÖRTİSİ	"	1	97,-	97,-
734-102	KOMİTATÖR AYDINLATMA SÖRTİSİ	"	2	150,-	300,-
734-104	PARALEL AYDINLATMA SÖRTİSİ	"	1	52,-	52,-
735-101	PRİZ SÖRTİSİ	"	1	95,-	95,-
742-104	DİŞ KAPI ARMATÜRÜ (C) TİPLİ	"	2	42,-	84,-
742-105	TAVAN ARMATÜRÜ (B1) TİPİ	"	4	48,-	192,-
727-107	BESLEME HATTI 2x4 mm ²	m.	5	11,-	55,-
TOPLAM					946,- TL.

ENERJİ VE TABİİ KAYNAKLAR
BAKANLIĞI

İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ

İLLER BANKASI
BÖLGE MÜDÜRLÜĞÜ

YÜKLENİCİ

73

58

DEĞİŞİKLİK

DEĞİŞİKLİK SEBEBİ

DEĞİŞİKLİĞE AİT
PROJEYİ YAPANIN

ADI VE SOYADI

ÜNVANI

ODA NO.

TARİH

İMZA

/ /

TRAFO BİNALARI KAPI, PENCERE
PANCUR, KABLO KANALI, TEL KAFES
KAPI V.S DETAY PLÂNLARI

ÖLÇEK:

NOLU
PLÂN İPTÂL EDİLDİ

NOLU
PLÂN İPTÂL EDİLDİ

PROJEYİ YAPAN

İMZA

İMZA
TARİHİ

YÜK. MÜH.
HÜSEYİN BODUR
ODA NO: 343

8_10_1973

İLLER BANKASI
ENERJİ DAİRESİ
REİSLİĞİ

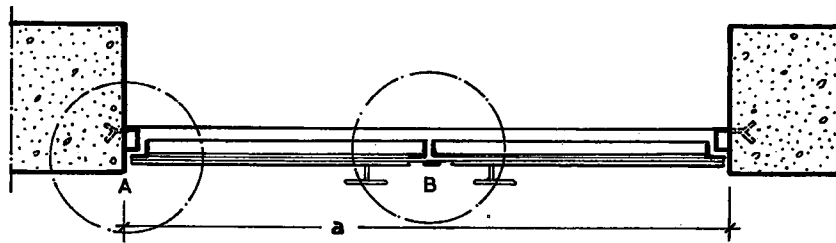
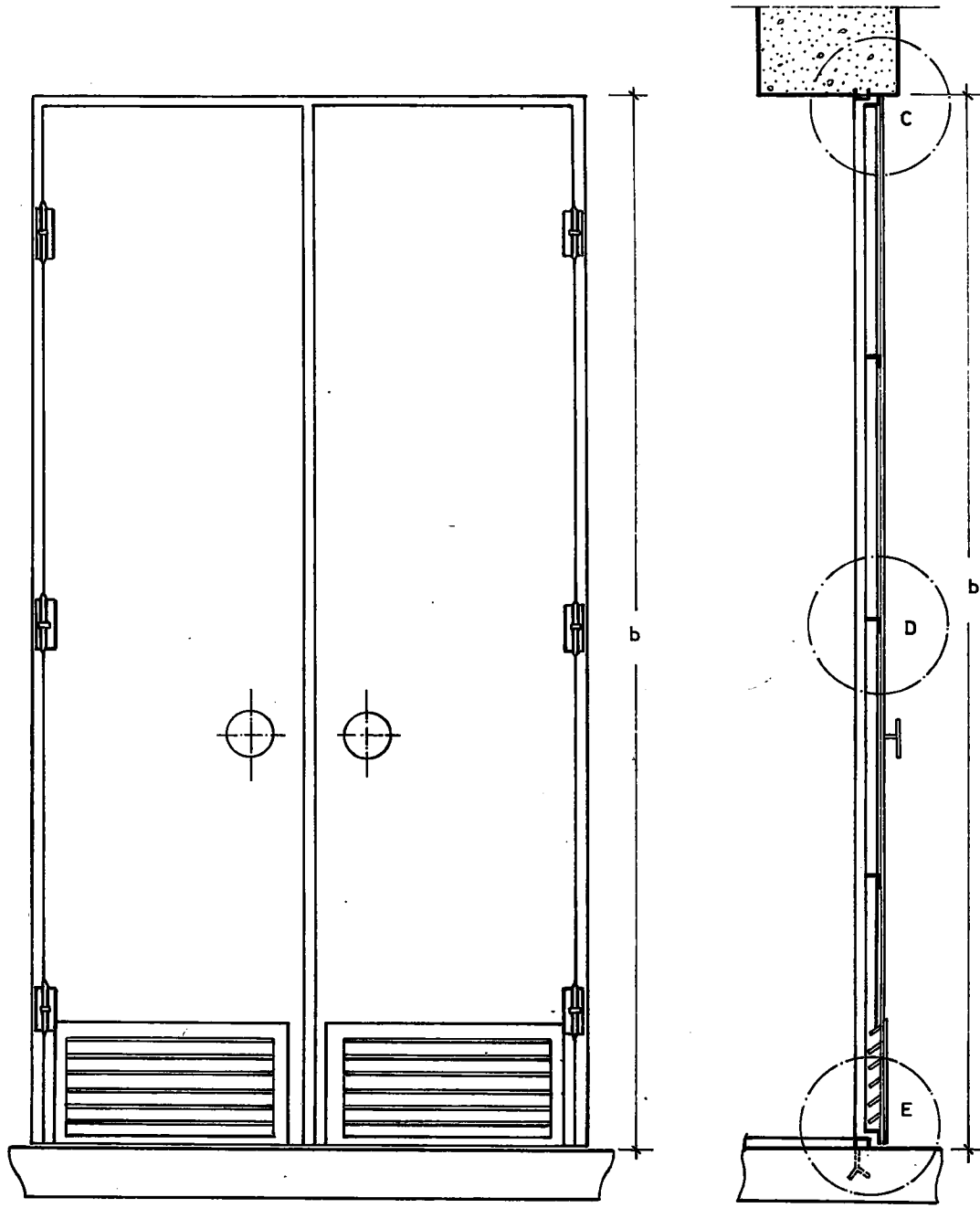
PLÂN NO:

1 / 60

ARŞİV KAYIT NO:

ÇİZEN: İLKNUR ŞENİZ

0.50 m.²



- SEBEKE TRAFO MERKEZLERİNDE VE TRAFO KAPISINDA
- SEBEKE TRAFOLARINDA VE GİRİŞ KAPISINDA
- TEVZİ MERKEZLERİNDE VE GİRİŞ KAPISINDA

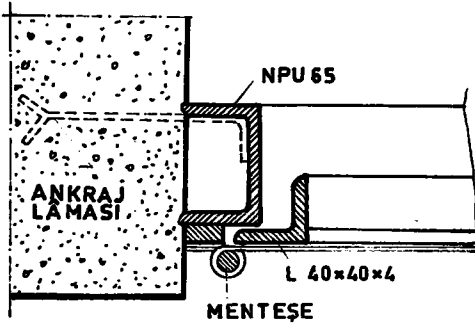
(a) cm.

(b) cm

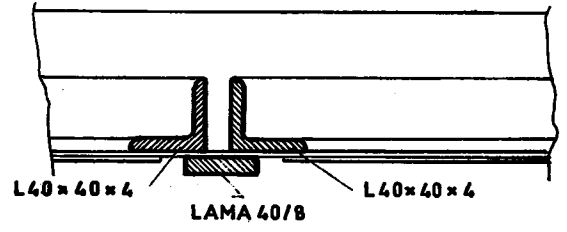
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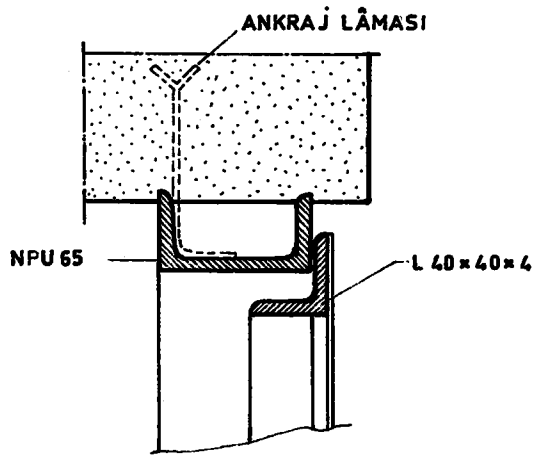
TRAFO KAPI PLÂNI
ÖLÇEK:1/15



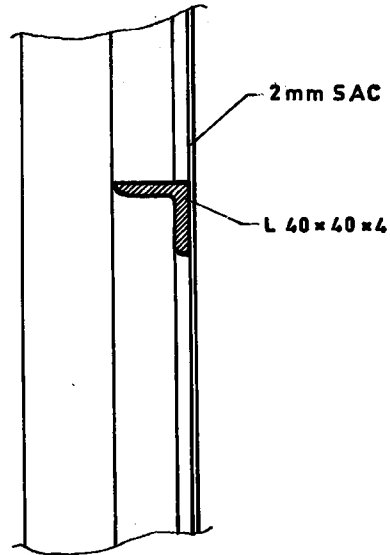
A DETAYI ÖLÇEK: 1/4



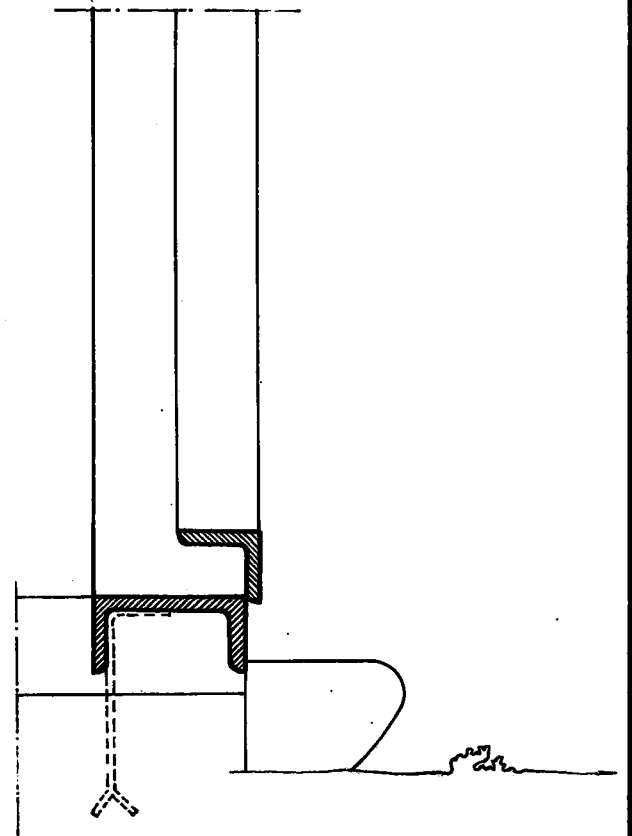
B DETAYI ÖLÇEK: 1/4



C. DETAYI ÖLÇEK: 1/4

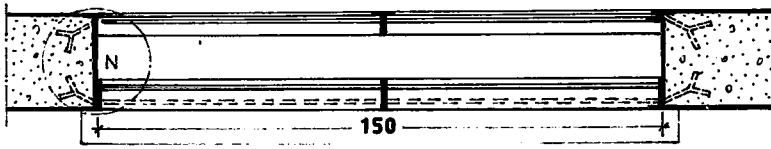
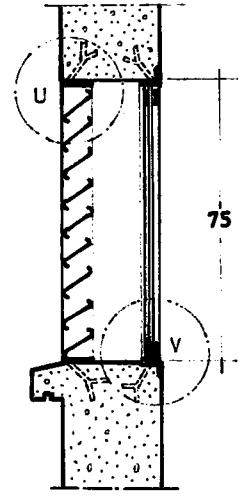
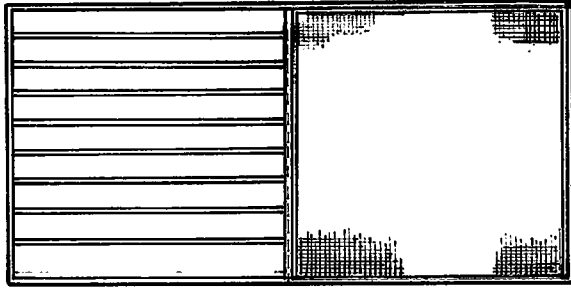


D DETAYI ÖLÇEK: 1/4



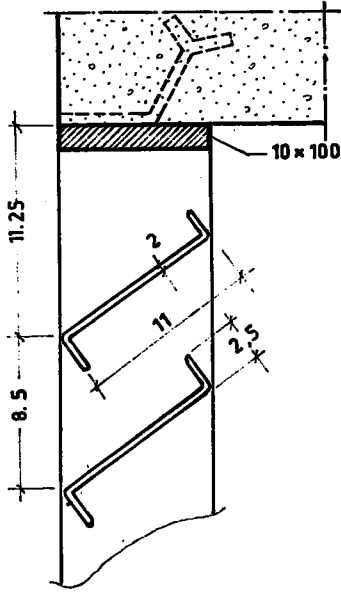
E DETAYI ÖLÇEK: 1/4

TRAFO KAPI DETAYLARI

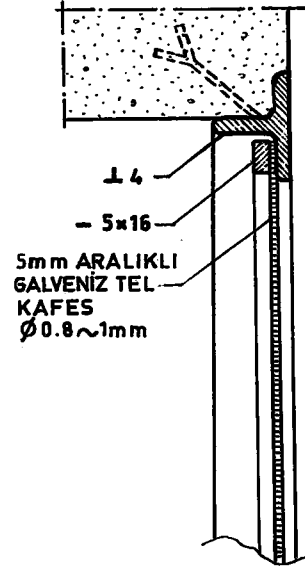


150 x 75 TRAFÖ PENCERE TİPİ ÖLÇEK: 1/20

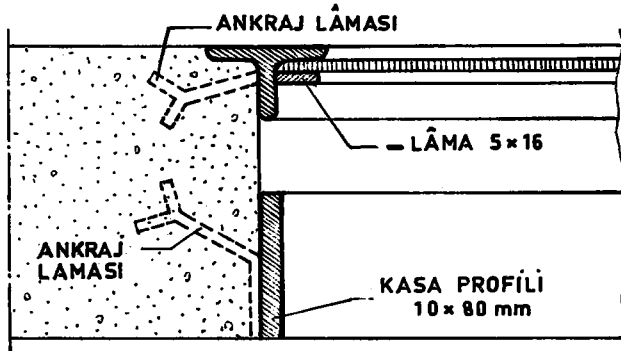
U DETAYI ÖLÇEK: 1/4



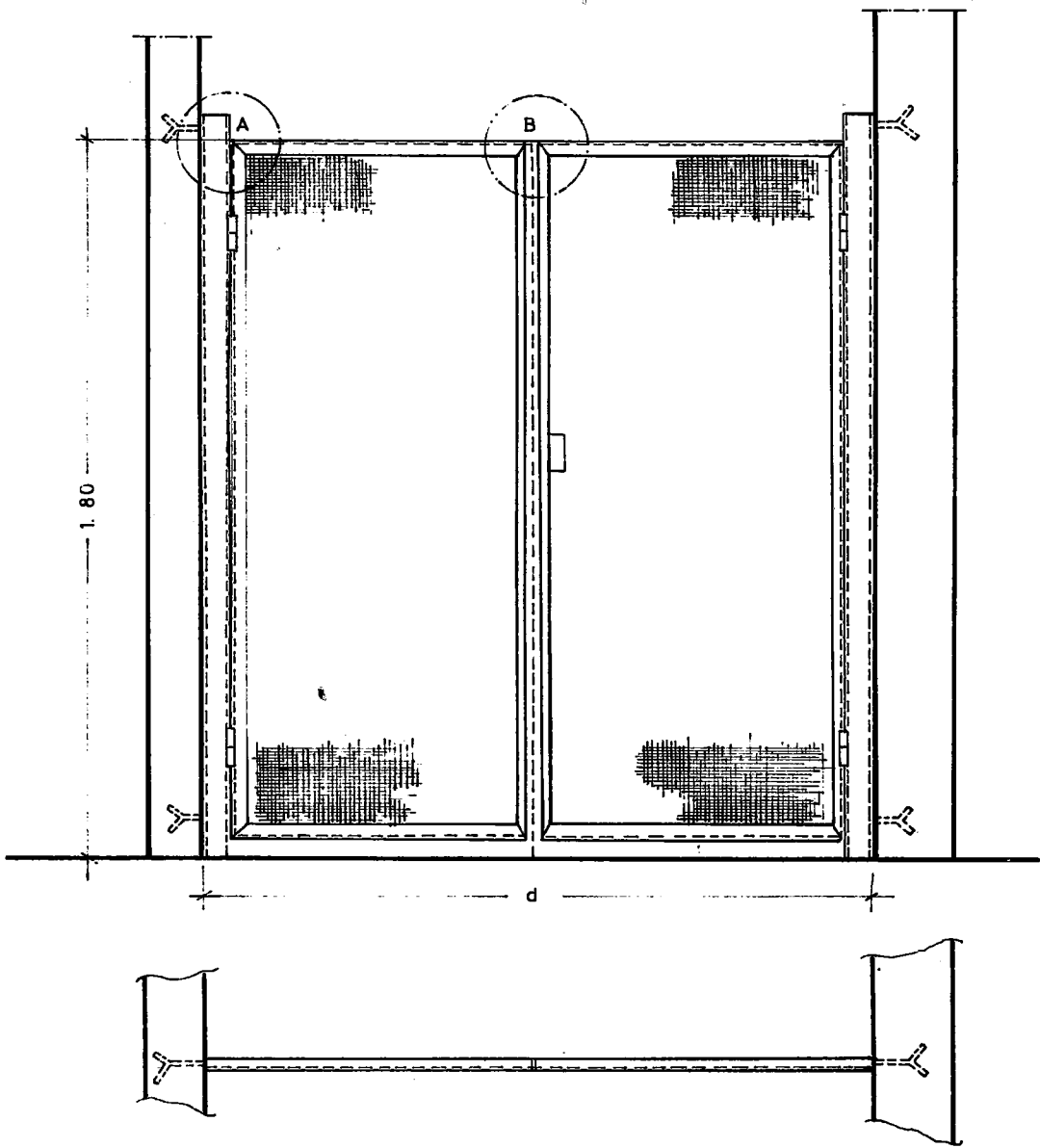
V DETAYI ÖLÇEK: 1/4



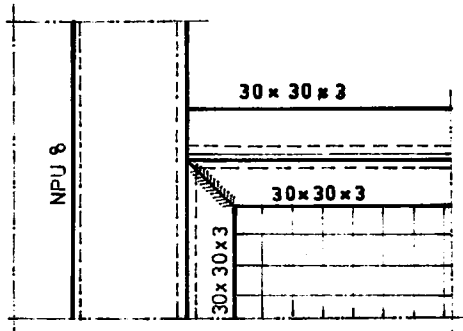
N DETAYI ÖLÇEK: 1/4



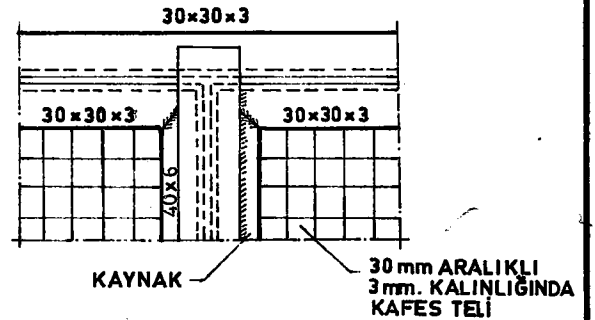
TRAFÖ PANCUR PLÂNI VE DETAYLARI



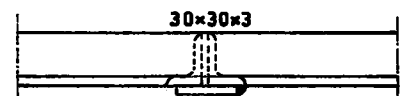
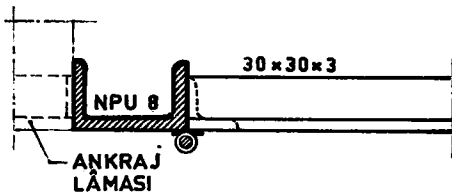
- SEBEKE TRAFOLARINDA VE	30 KV LUK HÜCRELERDE	180 İLA 187
- " "	15 KV LUK	" 120 İLA 131
- ANA TRAFÖ MERKEZLERİ VE	30 KV LUK	" cm.
- " " "	" 15 KV LUK	" cm.



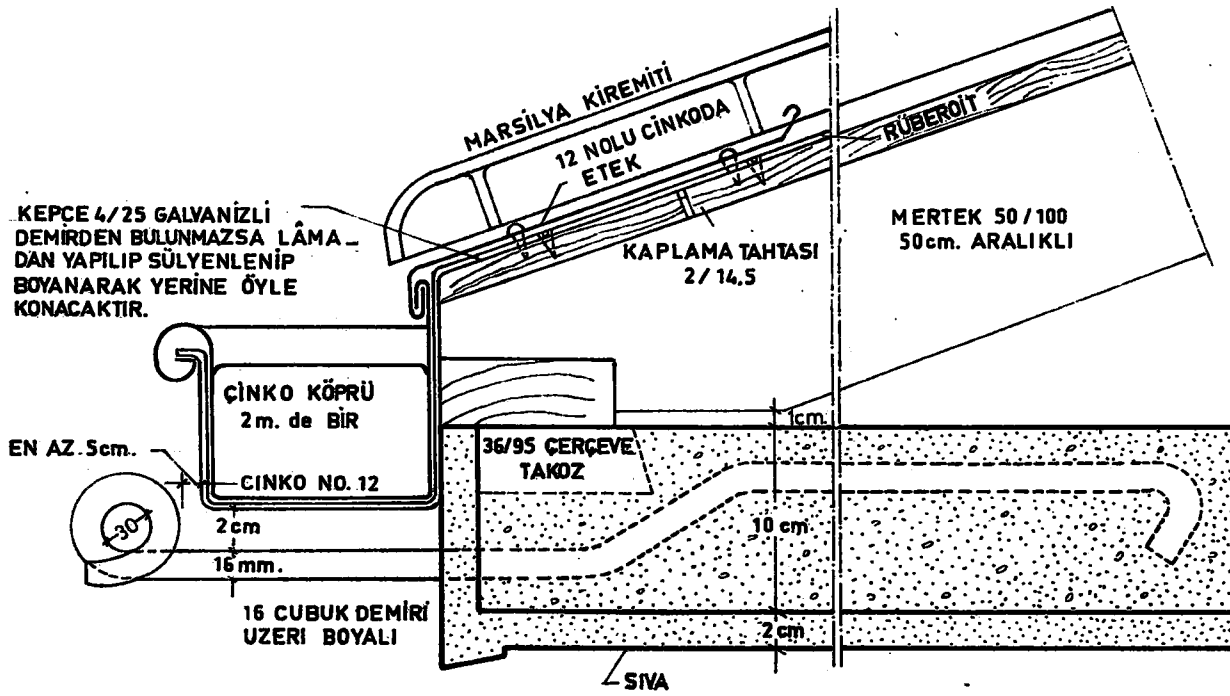
A DETAYI ÖLÇEK: 1/5



B DETAYI ÖLÇEK: 1/5

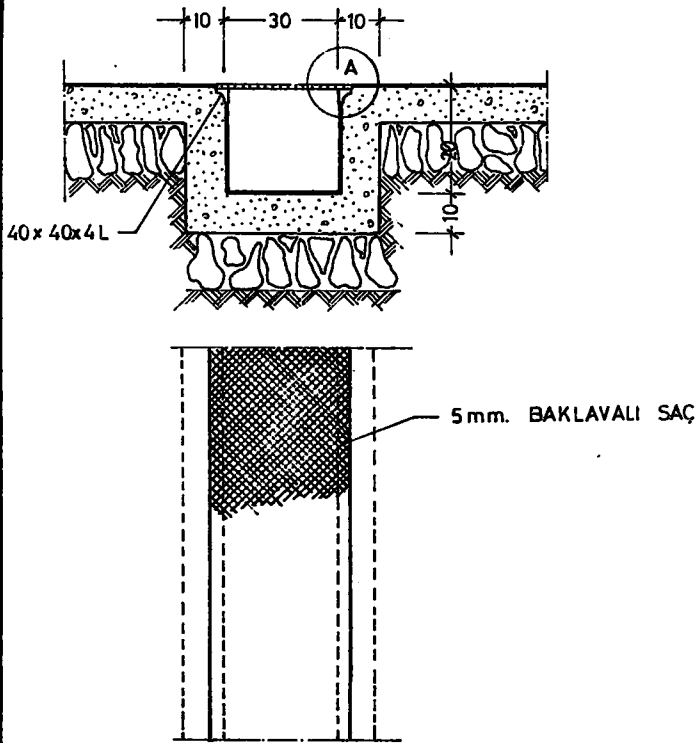


TEL KAFES KAPILAR VE DETAYLARI

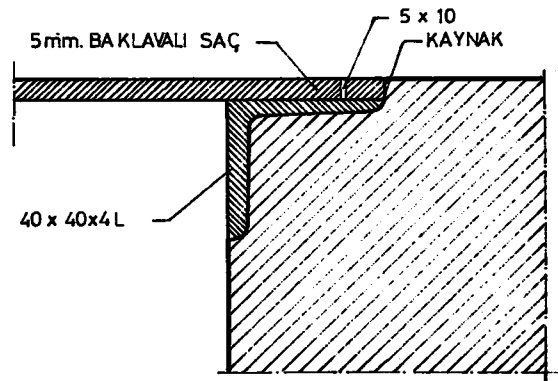


ÇATI DETAYI
ÖLÇEK: 1/4

TRAFO YAĞ ÇUKURU DETAYI
ÖLÇEK:1/50

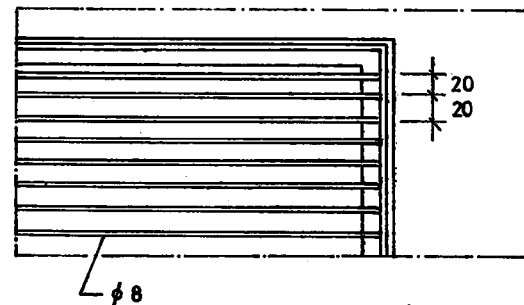
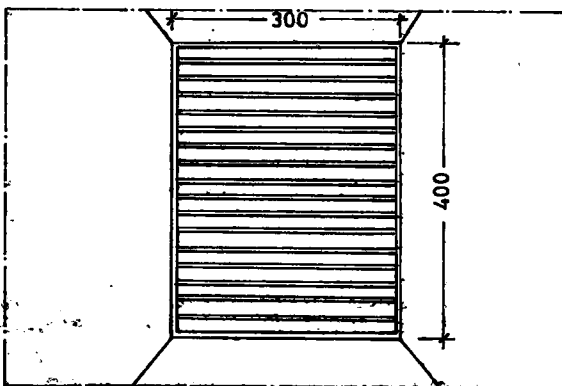
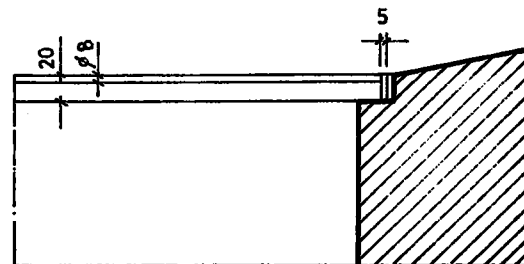
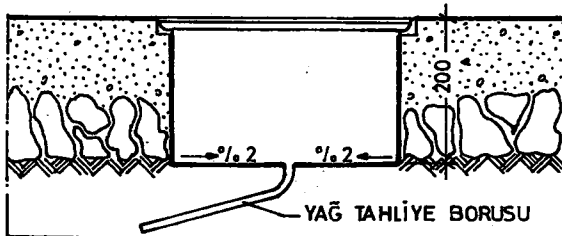


KABLO KANALI DETAYI



A DETAYI ÖLÇEK: 1 / 2,5

KABLO KANALI DETAYI



IZGARA DETAYI ÖLÇEK: 1/5

YAĞ ÇUKURU DETAYI ÖLÇEK: 1/10

YAĞ ÇUKURU DETAYI