



İBE — : 1976
İLLER BANKASI
TİP PROJESİ

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

(SATIŞ İÇİN BASTIRILMISTIR.)

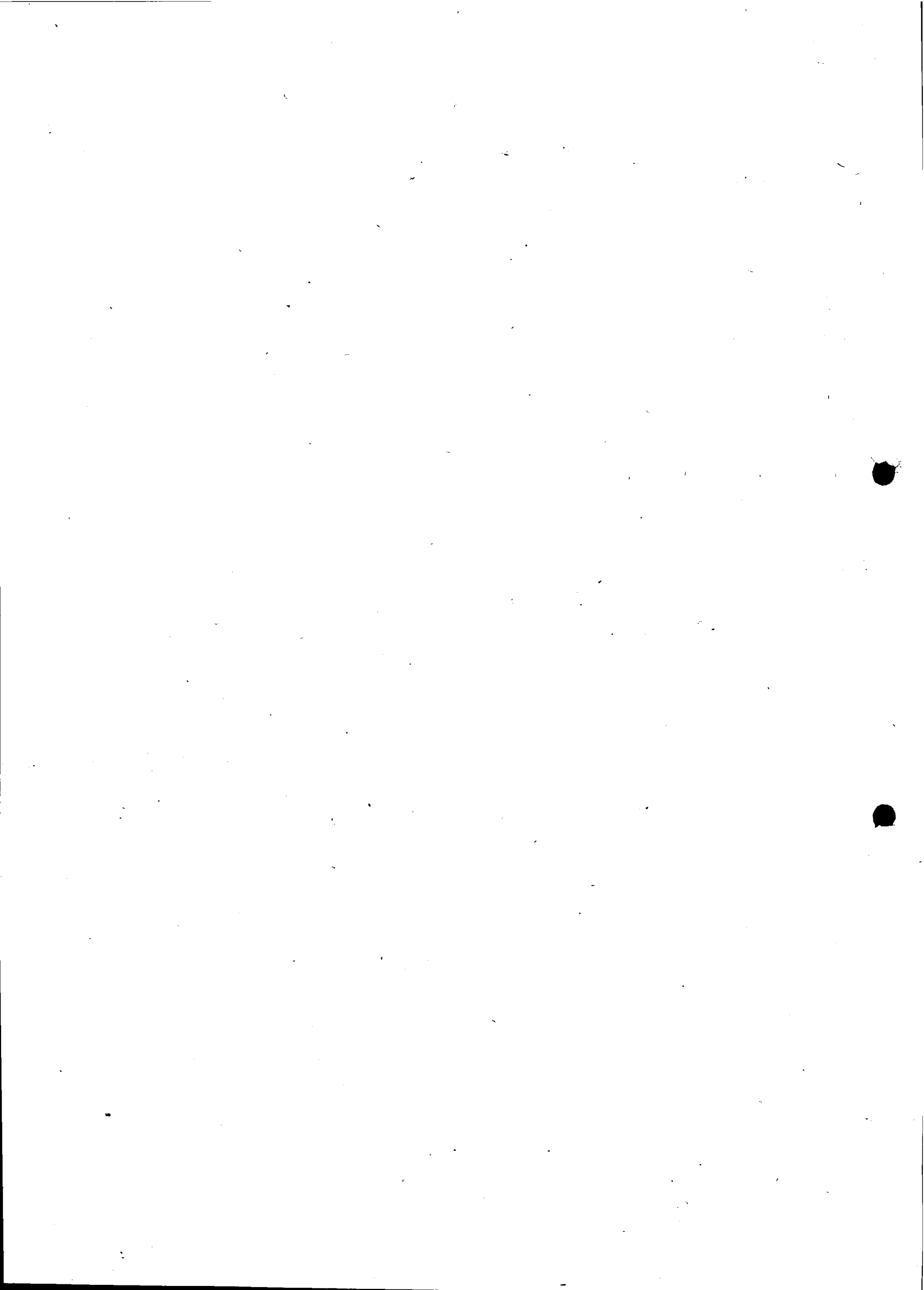
İ Ç İ N D E K İ L E R

PLÂN NO:

MONTAJ PLÂNI	1/29
MİMARİ PROJESİ	1/30
KAPI VS. DETAY PLÂNLARI	1/60

İLLER BANKASI
GENEL MÜDÜRLÜĞÜ MATBAASI

1 9 7 6

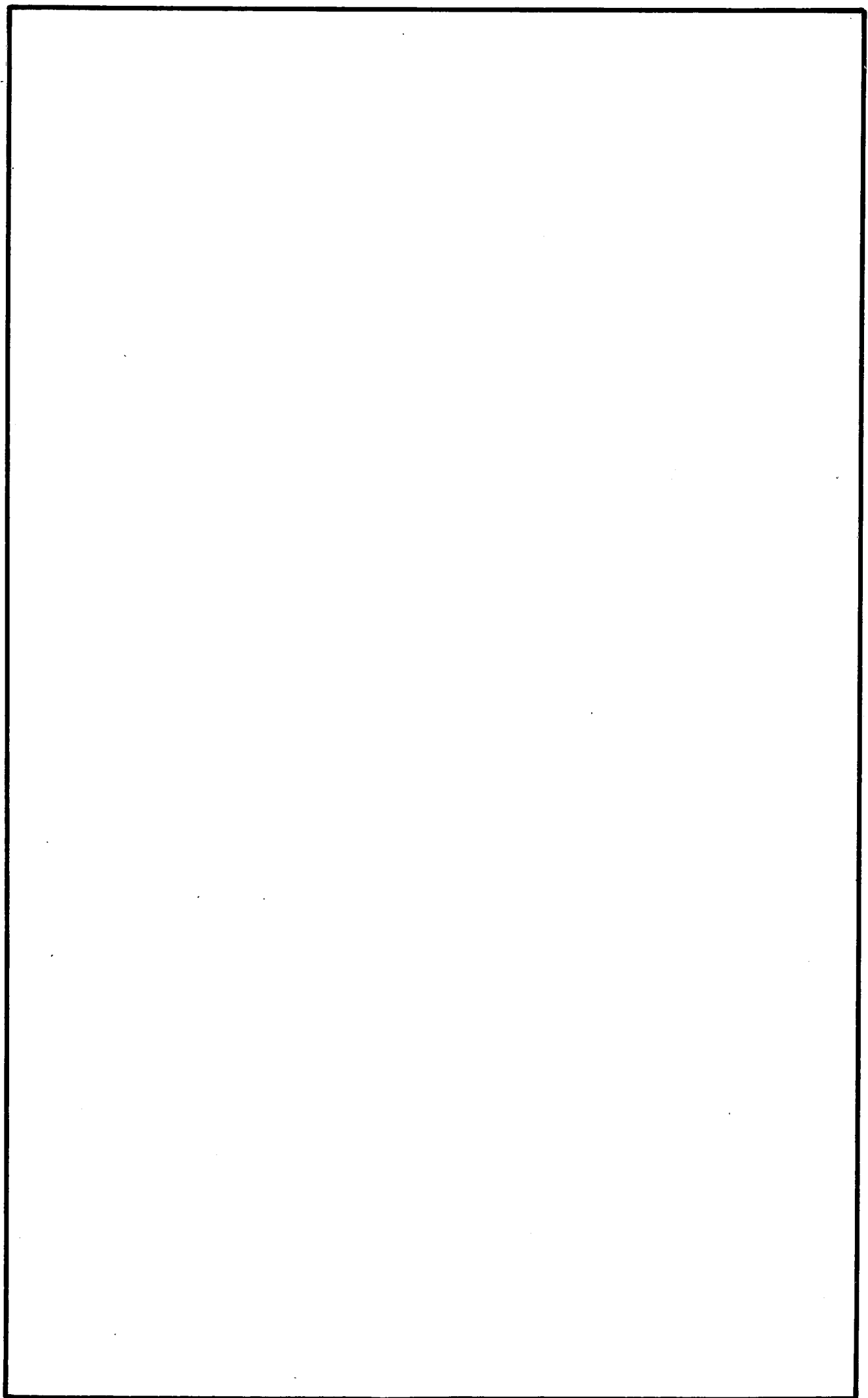


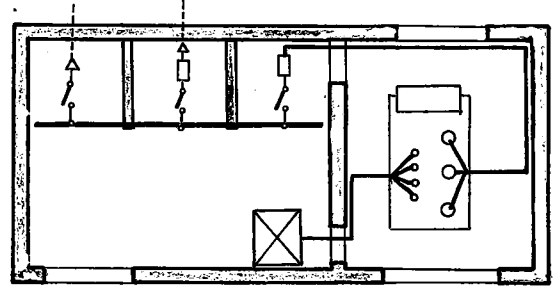
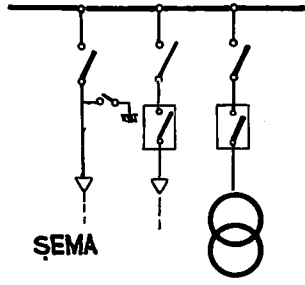
İLLER BANKASI

72

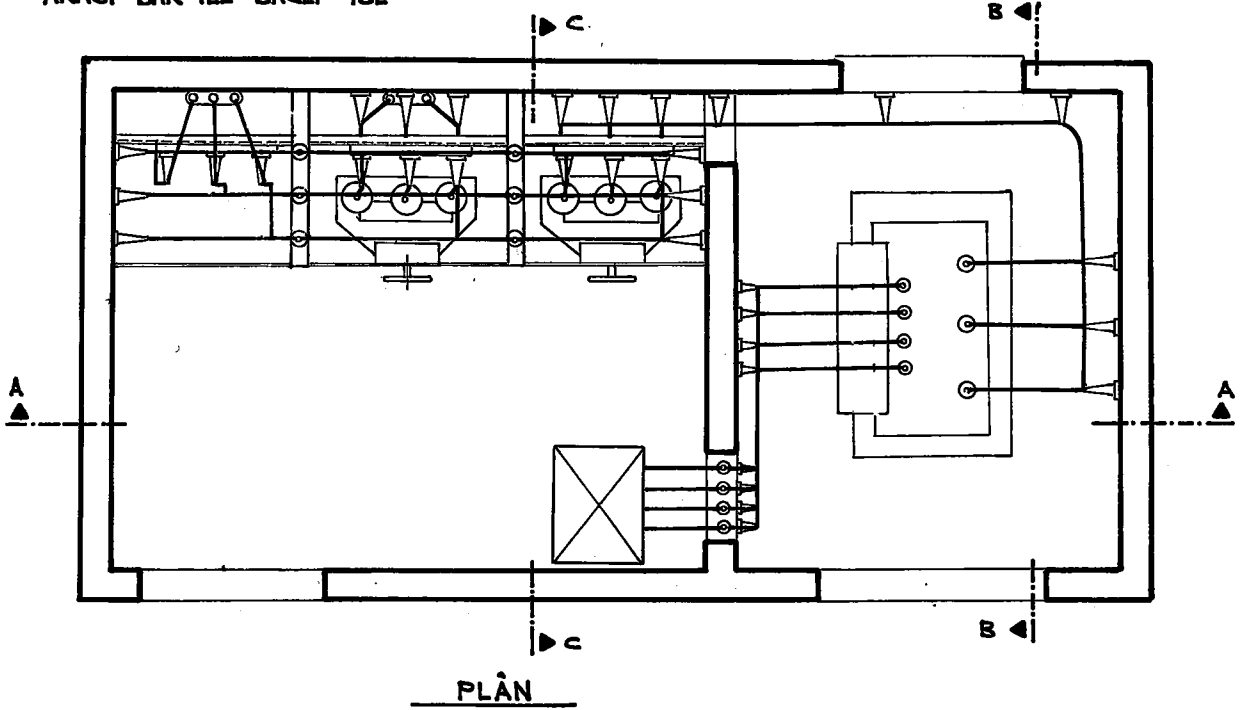
53

DEĞİŞİKLİK			TARİH	İMZA
a)				
b)				
KULESİZ 3 HÜCRELİ TİP TRANSFORMATÖR BİNASI MONTAJ PLÂNI			ÖLÇEK 1/50	
			NO.LU PLÂN İPTAL EDİLDİ	
PROJİYİ YAPANIN, DİPL. NO, ÜNVANI, ADI SOYADI			NO.LU PLÂN İPTAL EDİLDİ	
			İMZA	İMZA TARİHİ
YÜK. MÜH. HÜSEYİN BODUR OPA NO: 343			İLLER BANKASI	FLAN NO 109 1/29
ÇİZEN: SAVAS BAYIR.			ENERJİ DAİRESİ REİSLİĞİ	ARŞİV KAYIT NO

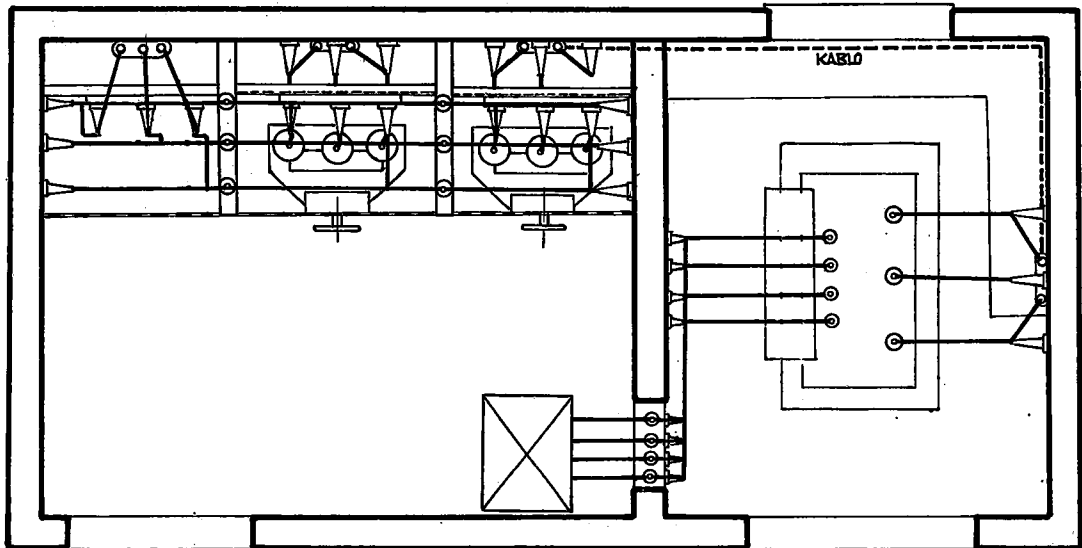




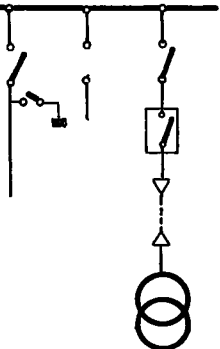
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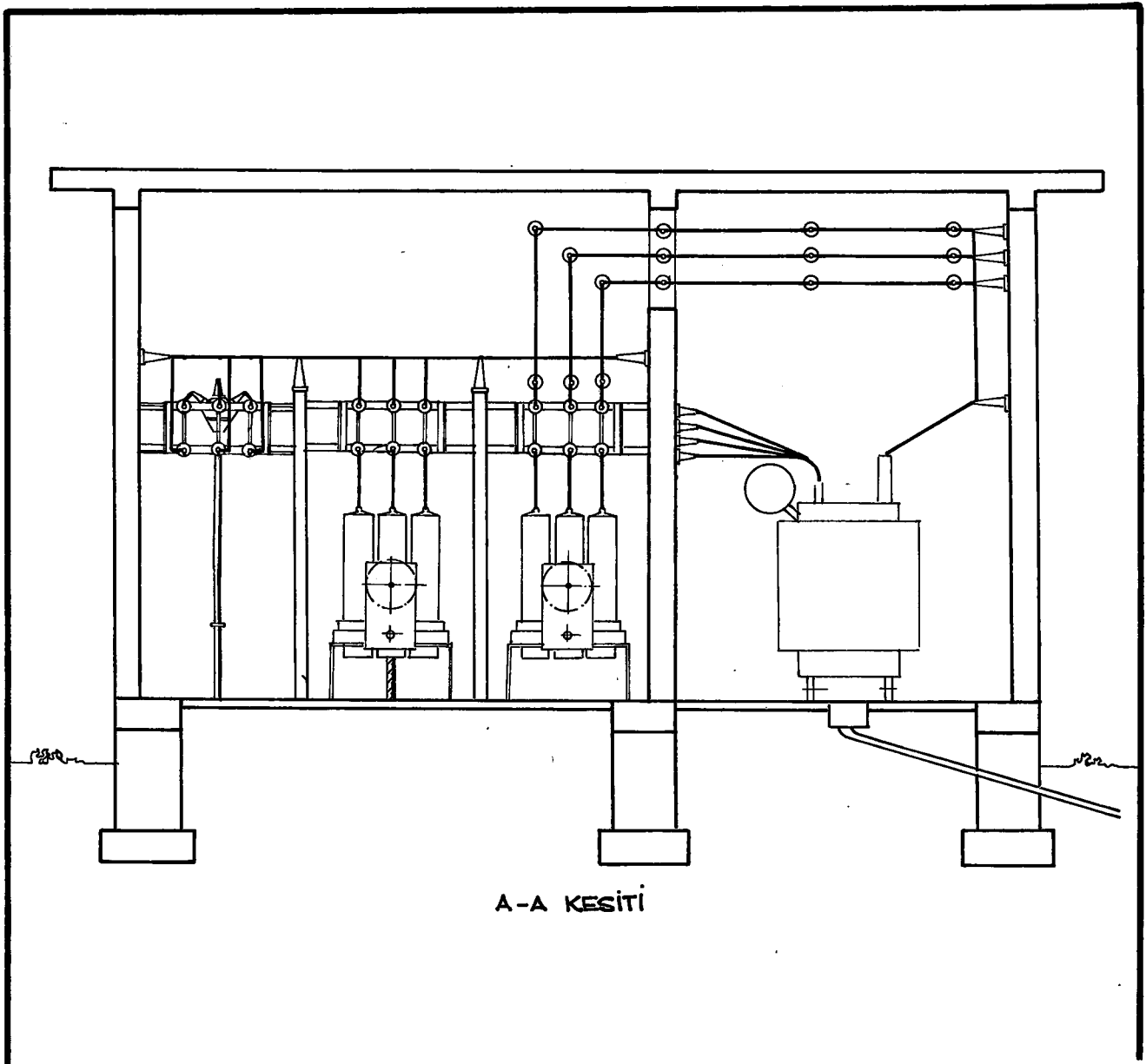


- KESİCİ AZ YAĞLI VE KESİCİ İLE TRAFÖ ARASI KABLO İLE BAĞLI İSE

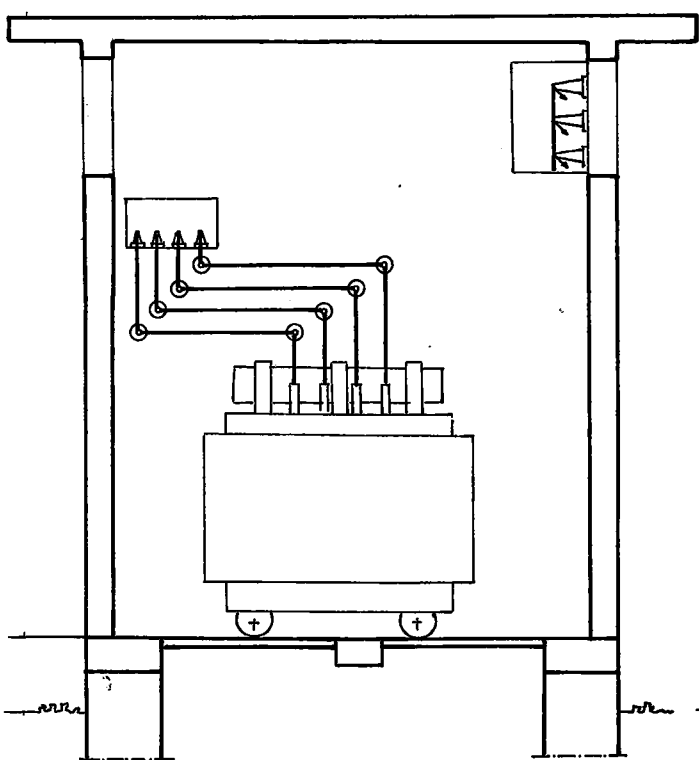


ŞEMA

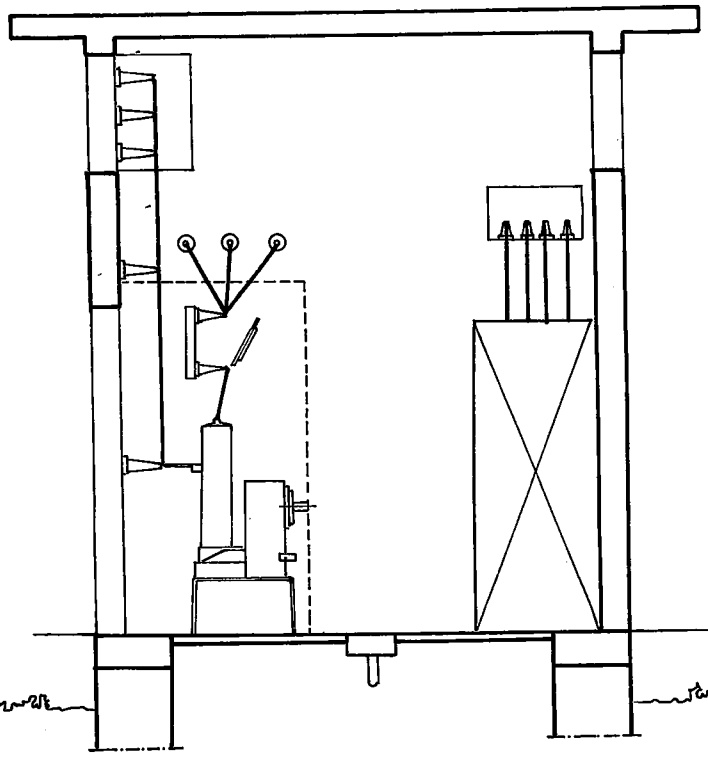




A-A KESITI

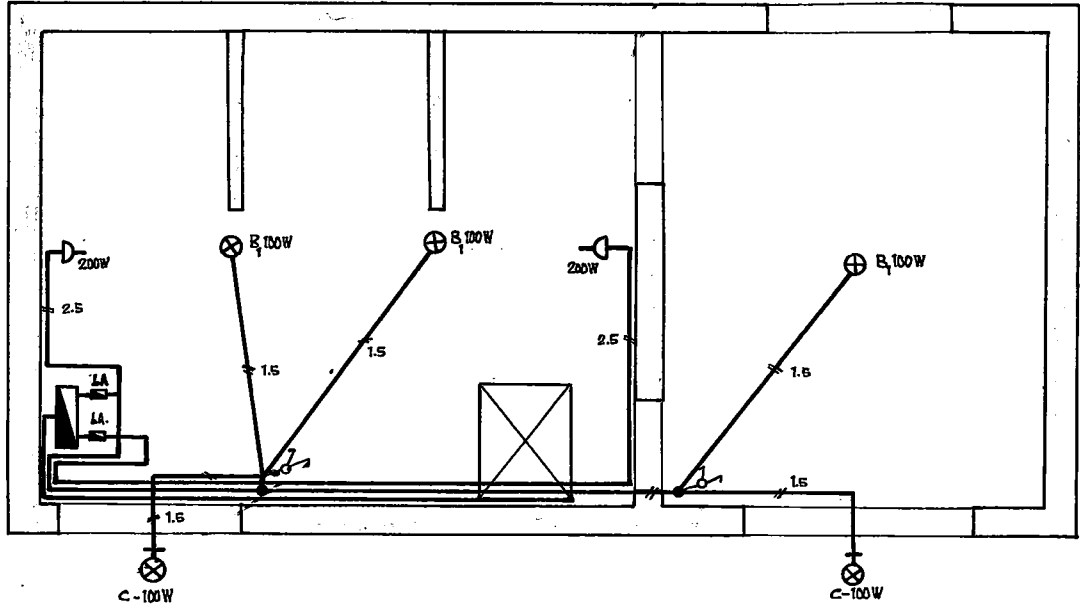


B-B KESITI



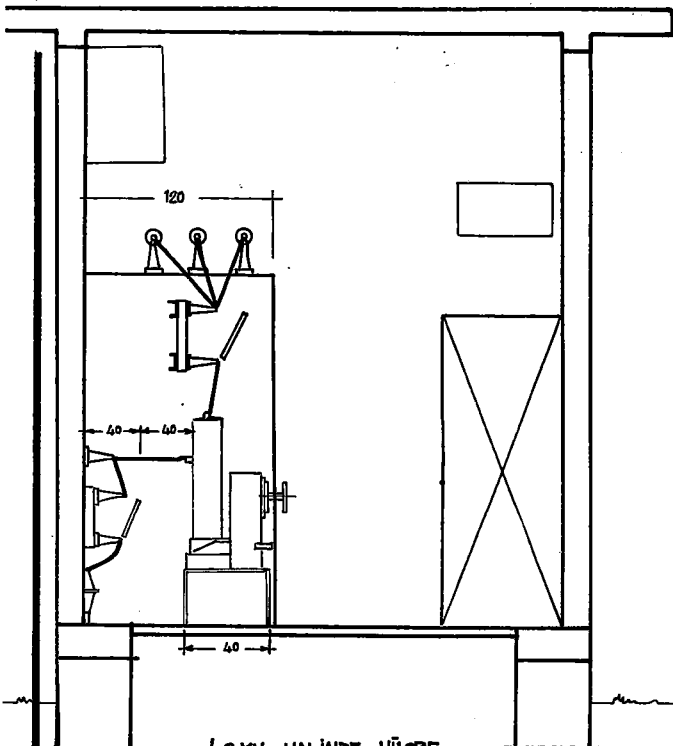
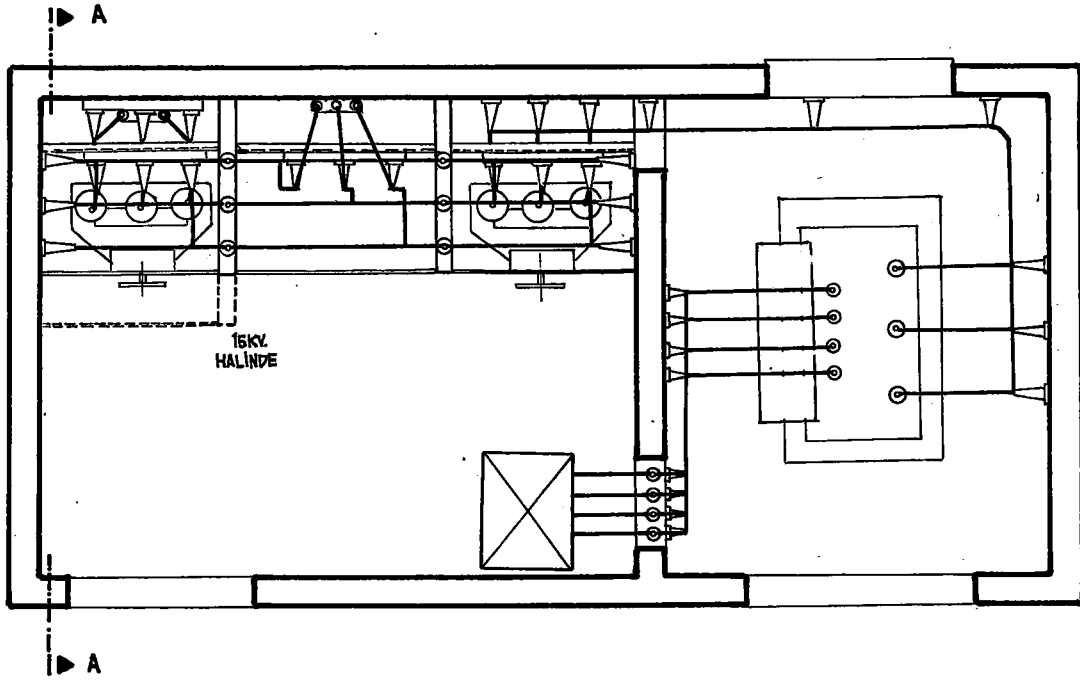
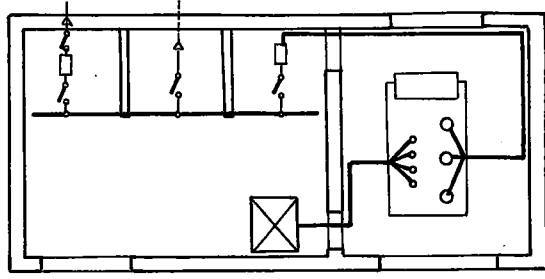
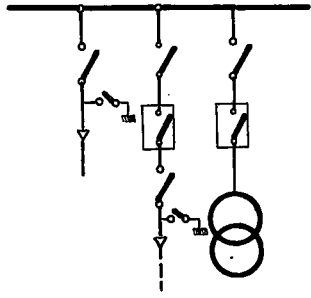
C-C KESITI

İÇ ELEKTRİK TESİSATI PLANI

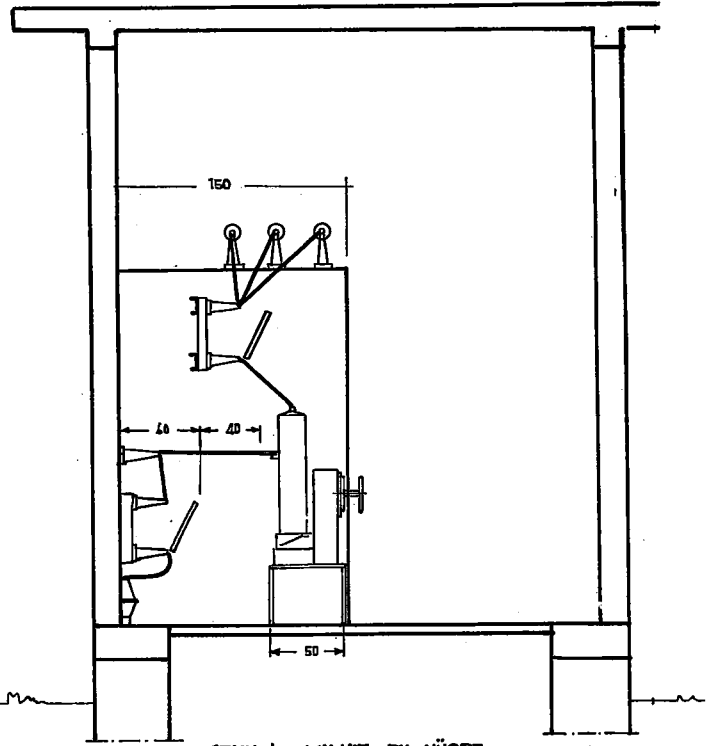


1973 SENESİNE GÖRE İÇ TESİSAT KESFİ

POZ NO	C İ N S İ	Ö L Ç Ü	M İ K T A R	B. F İ A T T L.	T U T A R I T L.
	MERMER 15X20 cm.	ADET	1	25,-	25,-
724-201	BUŞONLU SİGORTA 1A. (TABLO TİPİ)	"	2	23,-	46,-
724-202	BUŞONLU SİGORTA 10A. (TABLO TİPİ)	"	1	24,-	24,-
734-102	KOMİTATÖR AYDINLATMA SORTİSİ	"	2	150,-	300,-
734-104	PARALEL AYDINLATMA SORTİSİ	"	1	52,-	52,-
735-101	PRİZ SORTİSİ	"	2	95,-	190,-
742-105	DIŞ KAPI ARMATÜRÜ (C) TİPİ	"	2	42,-	84,-
742-102	TAVAN ARMATÜRÜ (B ₁) TİPİ	"	3	48,-	144,-
727-107	BESLEME HATTI 2X4 mm ²	m.	7	11,-	77,-
				TOPLAM.	742,- TL.



6.3 KV. HALİNDE HÜCRE GENİŞLİĞİ



15KV. ta YALNIZ BU HÜCRE 150 cm. OLACAKTIR.

ENERJİ VE TABİİ KAYNAKLAR BAKANLIĞI:

İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ.

İLLER BANKASI:

.....BÖLGE MÜDÜRLÜĞÜ

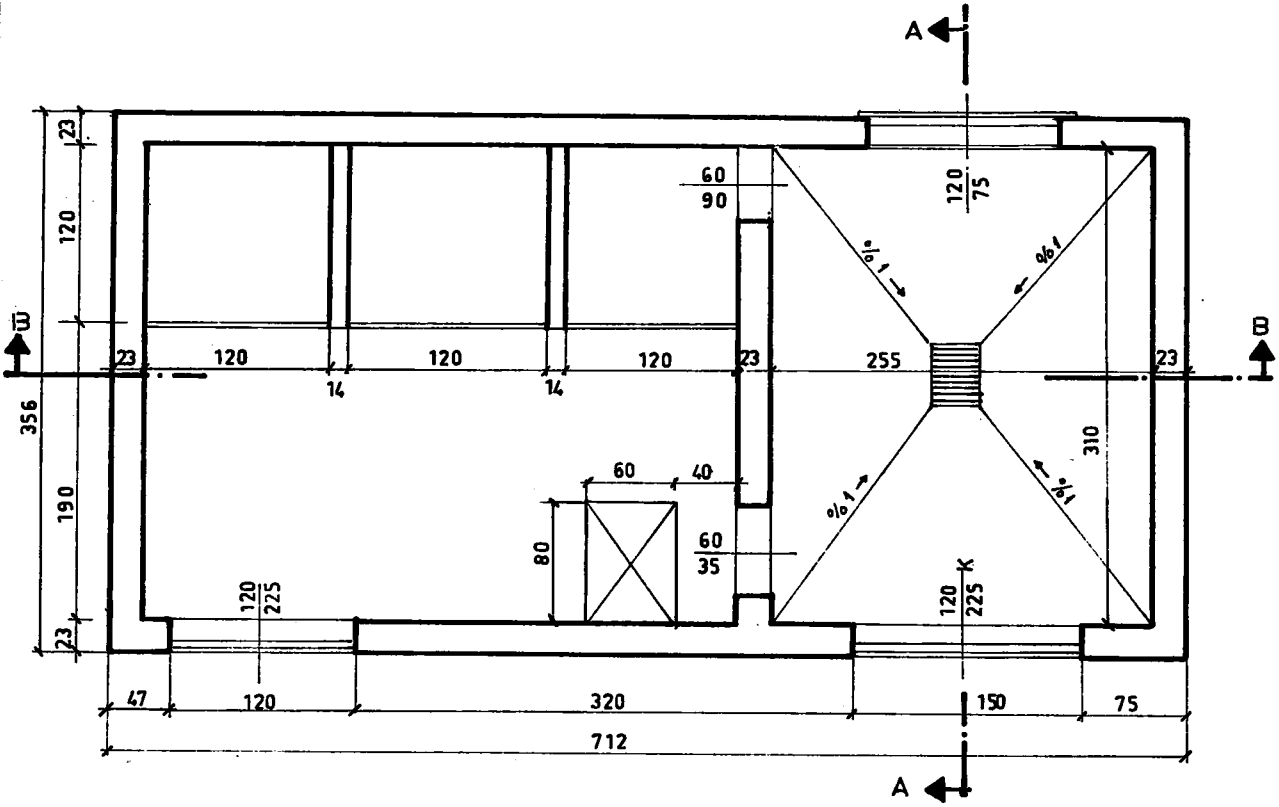
YÜKLENİCİ:

72
53

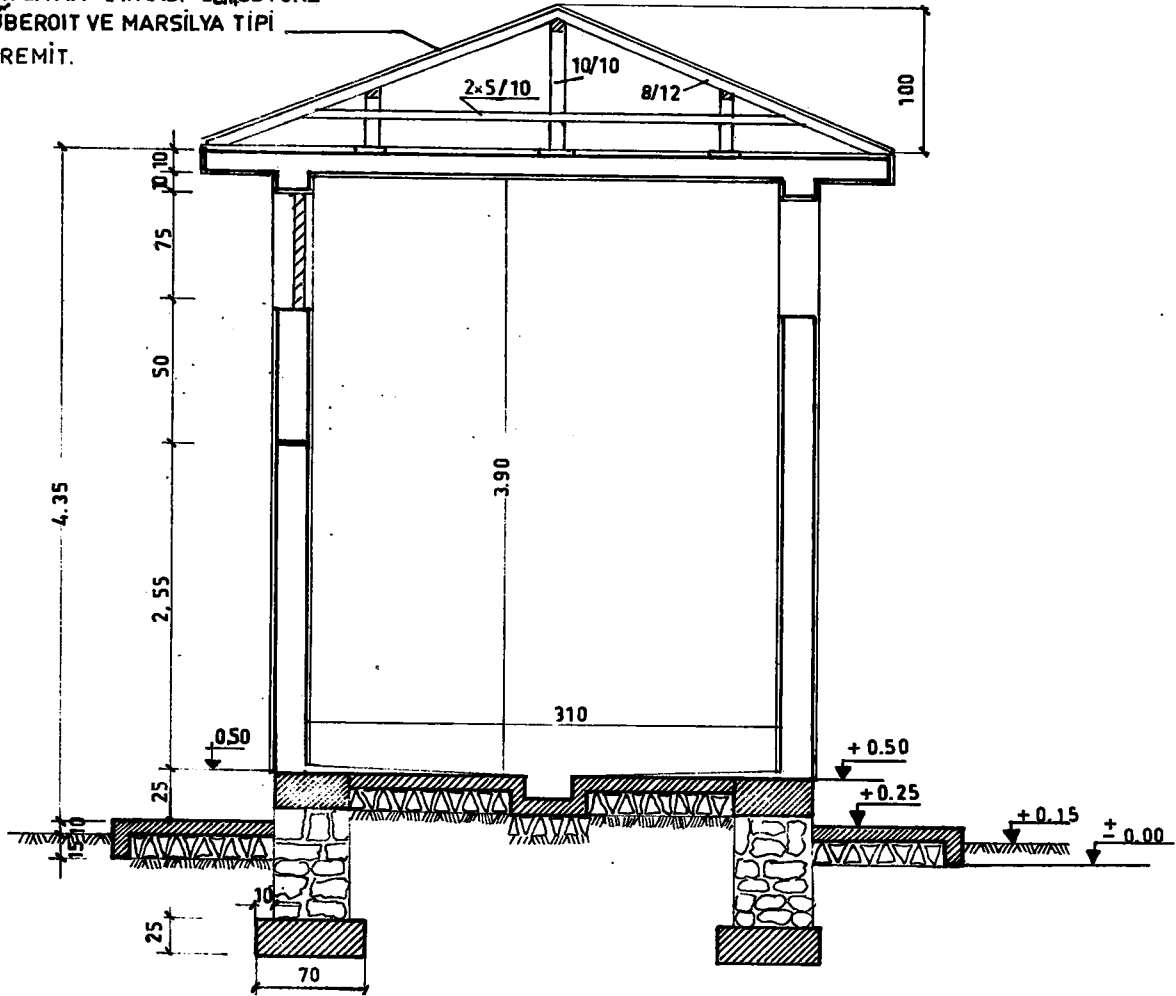
DEĞİŞİKLİK

DEĞİŞİKLİK SEBEBİ					
DEĞİŞİKLİĞE AIT PROJİYİ YAPANIN	ADI VE SOYADI	ÜNVANI	ODA NO	TARİH	İMZA
				16.7.1975	
6.3-15 kv 3 HÜCRELİ KULESİZ TİP TRANSFORMATÖR BİNASI MİMARİ PROJESİ					ÖLÇEK: 1/50
PROJİYİ YAPANIN DİP NO SOYADI ÜNVANI ODA					NO. LU PLÂN İPTÂL EDİLDİ
					NO. LU PLÂN İPTÂL EDİLDİ
YÜK. İNŞ. MÜH ÇETİN PEKİNER ODA NO: 6730 DİPL. 4753		İMZA	İMZA TARİHİ	İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ	
ÇİZEN: RAFET ERBİLOL					
					PLÂN NO: 109 - 1/30
					ARŞİV KAYIT NO:

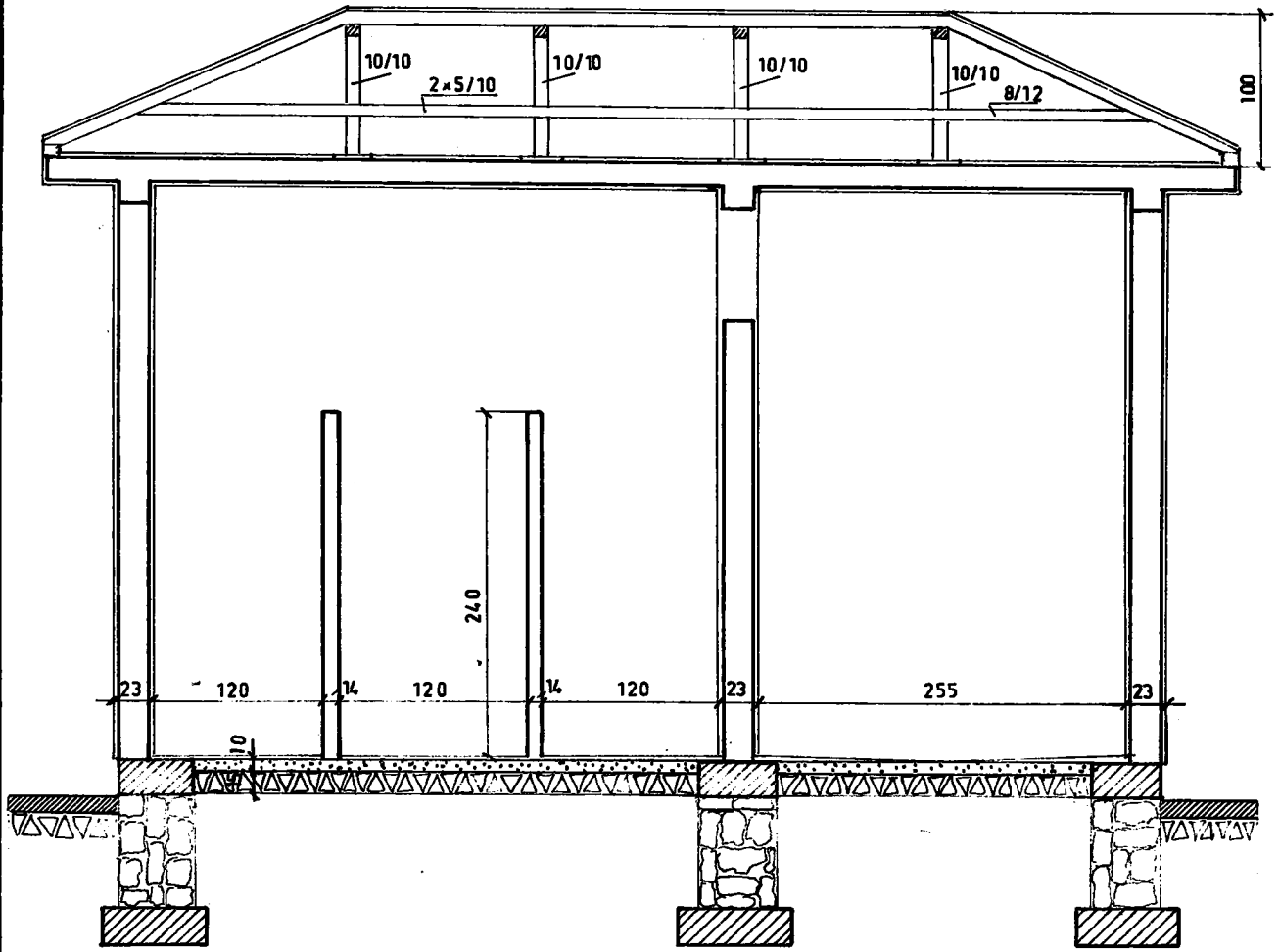
0.40 m²



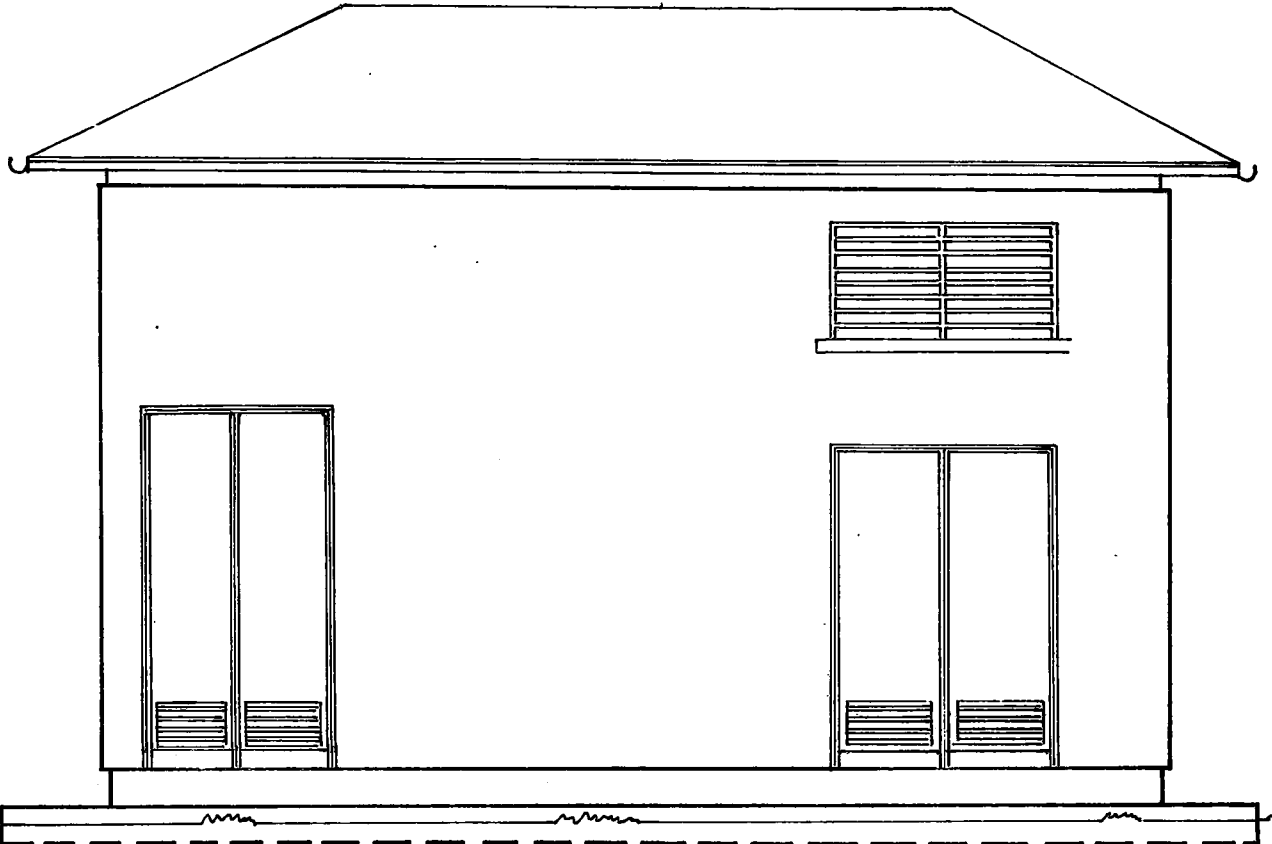
KAPLAMA TAHTASI 2cm ÜSTÜNE
RÜBEROİT VE MARSİLYA TİPİ
KİREMİT.



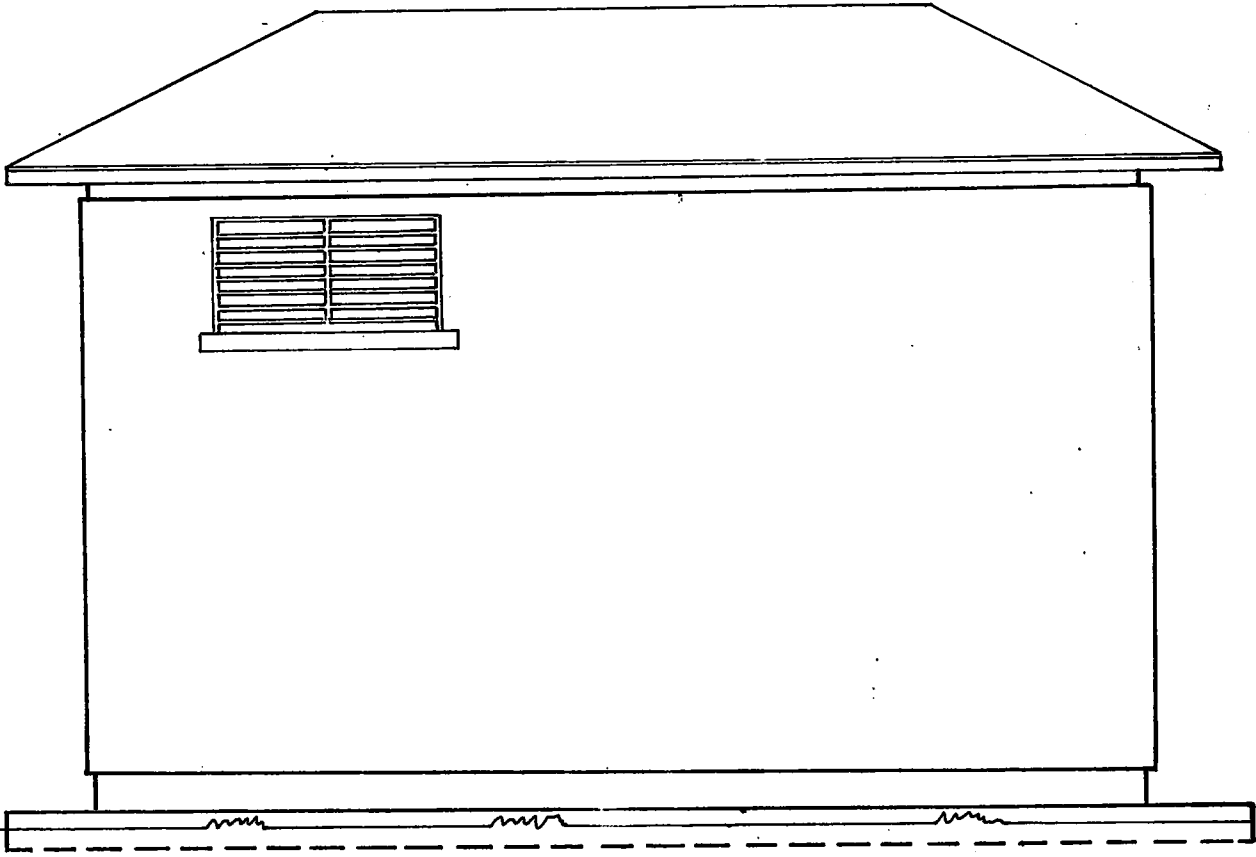
A-A KESİTİ



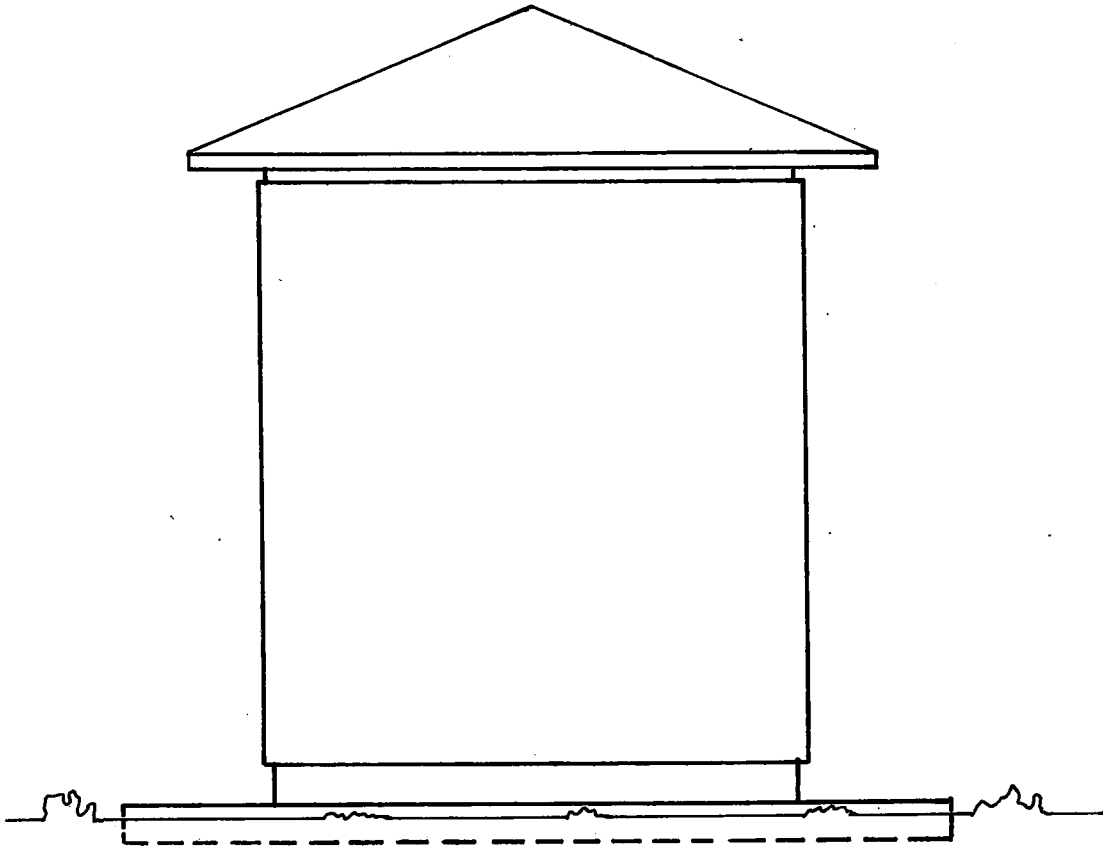
B-B KESİTİ



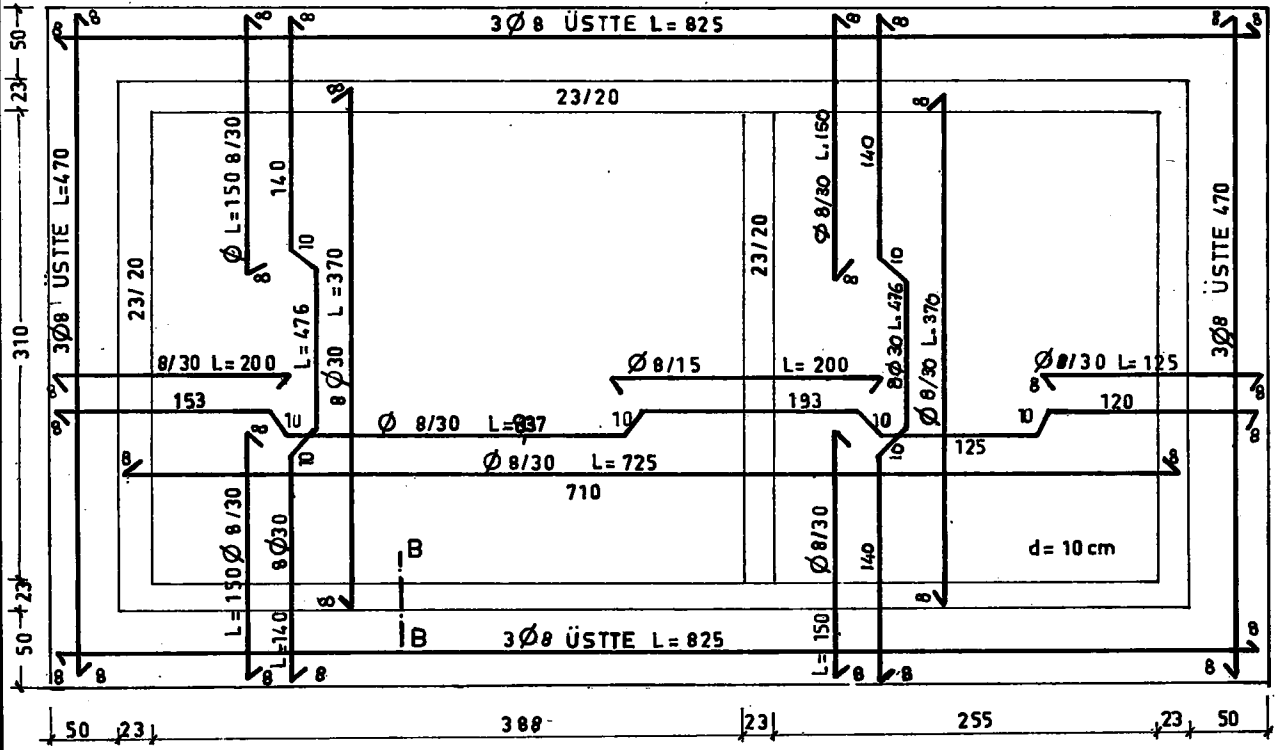
ÖN GÖRÜNÜSÜ



ARKA GÖRÜNÜŞ

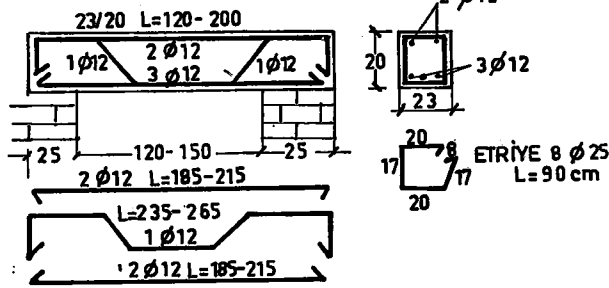


SAĞ VE SOL YAN CEPHE

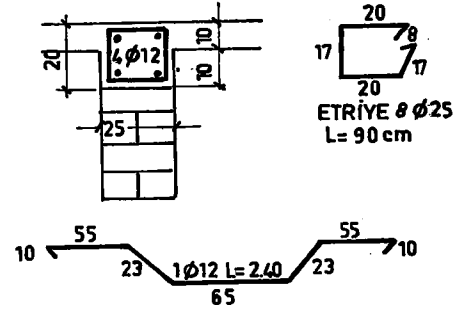


TAVAN BETONARME TAFSİLATI

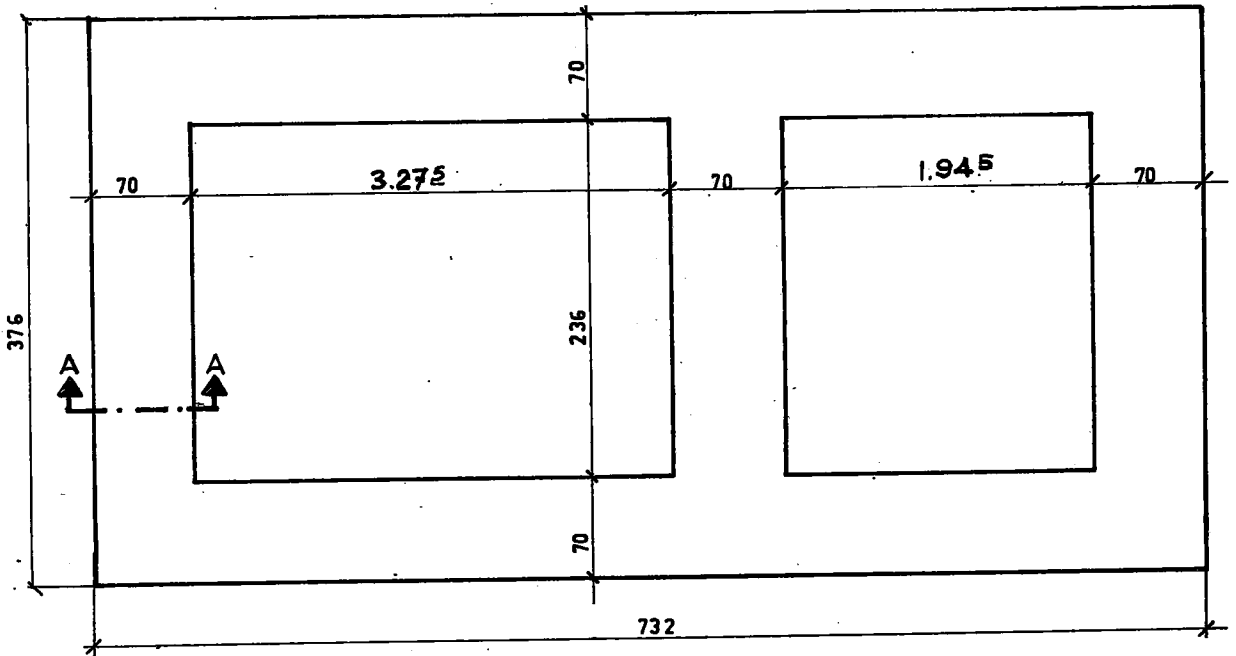
KAPI ÜSTÜ LENTOLARI

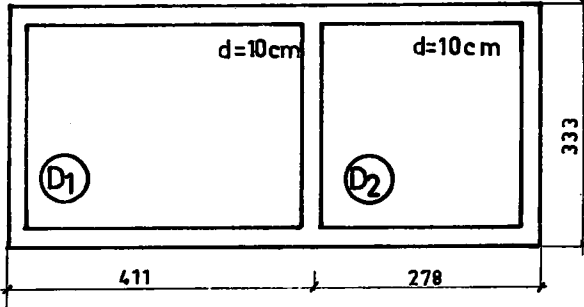
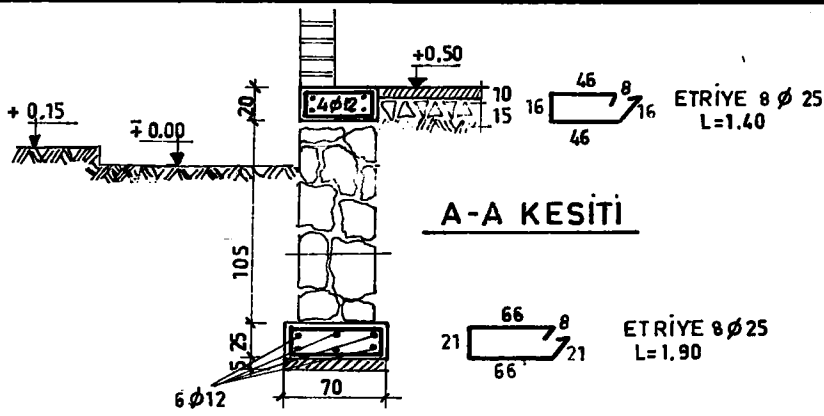


TABLIYE HATILI 23/20 KESİTİ



TABLIYE HATILINDA ÜST PENCERELERDE İLAVE EDİLECEK PİLYE DETAYI





MALZEME St I B 160

YÜK DÖŞEMEDEN : $0.10 \times 2.4 = 0.240$ t/m

SIVA : = 0.055 "

AHSAP ÇATI : = 0.100 "

KAR : = 0.075 "

$f-q = 0.470$ t/m

D₁ DÖŞEMESİ : $\xi = \frac{333}{411} = 0.81 \rightarrow \alpha_2 = 0.0297$
 $\beta_2 = 0.6523$
 $\gamma_2 = 0.5183$

$M_{1x} = 0.0297 \times 0.470 \times 4.11^2 = 0.20$ t/m

$M_{1y} = 0.0523 \times 0.470 \times 3.33^2 = 0.27$ t/m

$X_1 = \frac{1}{8} \times 0.5183 \times 0.470 \times 4.11^2 = 0.51$ t/m

D₂ DÖŞEMESİ : $\xi = \frac{3.33}{2.78} = 1.20 \rightarrow \alpha_2 = 0.0509$
 $\beta_2 = 0.0183$
 $\gamma_2 = 0.8383$

$M_{2x} = 0.0509 \times 0.470 \times 2.78^2 = 0.19$ t/m

$M_{2y} = 0.0183 \times 0.470 \times 3.33^2 = 0.10$ t/m

$X_2 = \frac{1}{8} \times 0.8383 \times 0.470 \times 2.78^2 = 0.38$ t/m.

DÖŞEME DONANTI HESABI:

X DOĞRULTUSU:

D₁ $M_{1x} = 20$ t/m $h = 7.5$ cm $\zeta_b = 31$ kg/cm $P_e = 2.06$ cm² donantı $\phi 8/15$ (1 PİLYE 1 DÜZ)

D₂ $M_{2x} = 19$ t/m $h = 8.5$ cm $\zeta_b = 26$ kg/cm $f_e = 1.82$ cm² Donantı $\phi 8/15$ (1 PİLYE 1 DÜZ)

y DOĞRULTUSU:

D₁ $M_{1y} = 27$ t/m $h = 8.5$ cm. $\zeta_b = 32$ kg/cm $f_e = 2.58$ cm² Donantı $\phi 8/15$ (1 PİLYE 1 DÜZ)

D₂ $M_{2y} = 10$ t/m $h = 7.5$ $\zeta_b = 21$ kg/cm $f_e = 1.02$ cm² Donantı $\phi 8/15$ (1 PİLYE 1 DÜZ)

ARA MESNET $X = 51$ t/cm $h = 8.5$ cm $\zeta_b = 47$ kg/cm² $f_e = 4.83$ cm² MEVCUT $\phi 8/30$ İLAVE $\phi 8/15$

SACAK TAHKİKİ $M = \frac{0.470 \times 0.62^2}{2} = 0.10$ t/m MEVCUT ACIKLIK PİLYESİ $\phi 8/30$ İLAVESİ $\phi 8/30$

ENERJİ VE TABİİ KAYNAKLAR
BAKANLIĞI

İLLER BANKASI ENERJİ DAİRESİ REİSLİĞİ

İLLER BANKASI
BÖLGE MÜDÜRLÜĞÜ

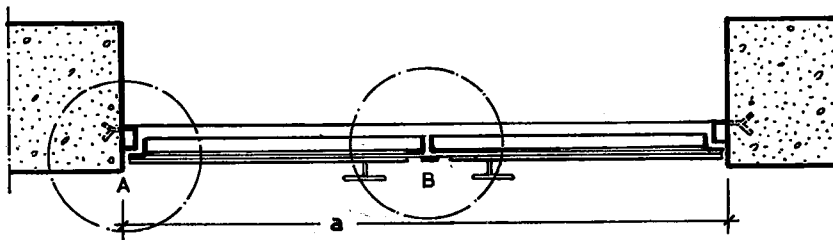
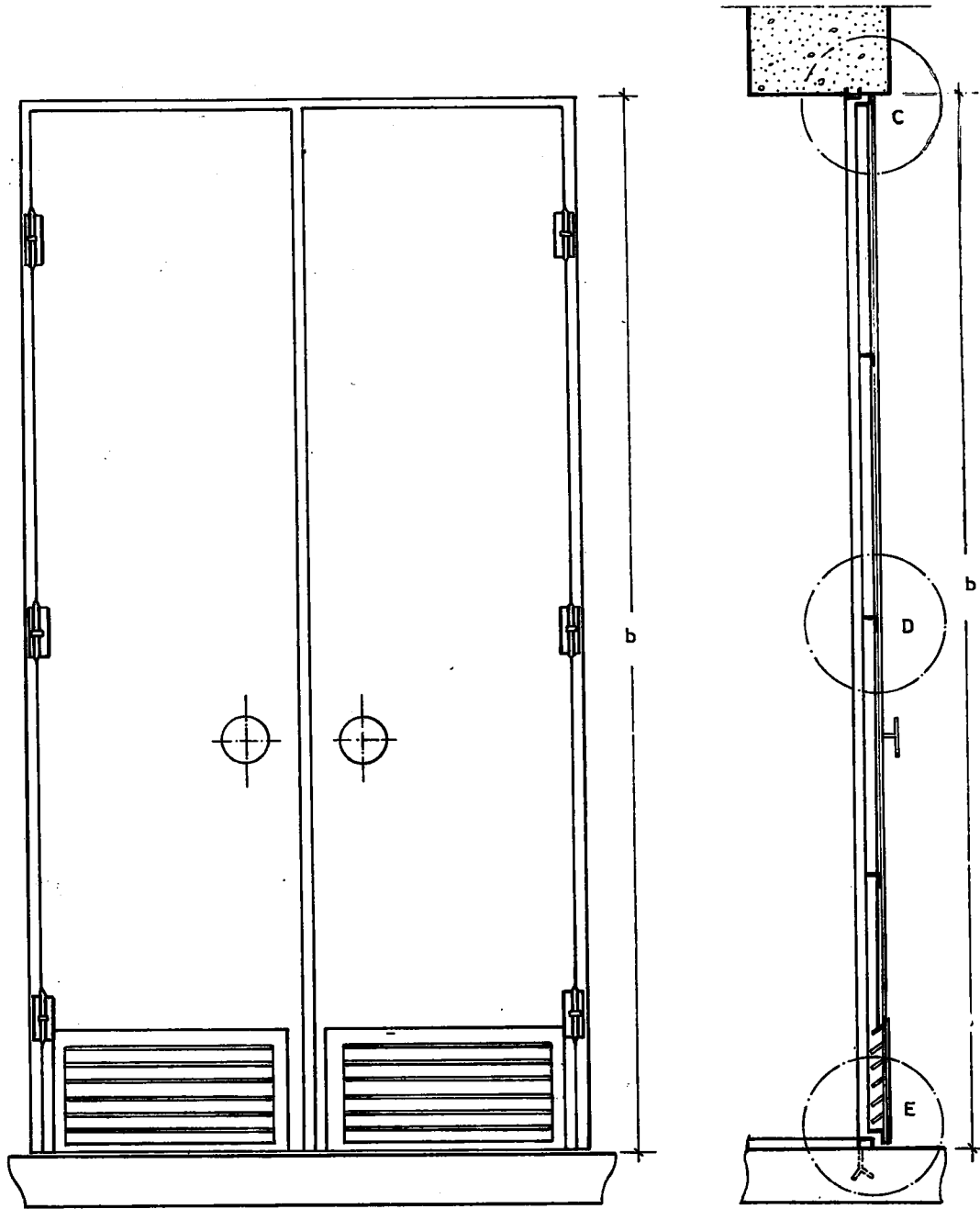
YÜKLENCİ

73
58

DEĞİŞİKLİK

DEĞİŞİKLİK SEBEBİ					
DEĞİŞİKLİĞE AIT 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
PROJEYİ YAPAN					NOLU PLÂN İPTÂL EDİLDİ
					İMZA
YÜK. MÜH. HÜSEYİN BODUR ODA NO: 343		8_10_1973			ARŞİV KAYIT NO:
ÇİZEN: İLKNUR ŞENİZ					

0.50 m.²



- SEBEKE TRAF0 MERKEZLERİNDE VE TRAF0 KAPISINDA
- SEBEKE TRAF0LARINDA VE GİRİŞ KAPISINDA
- TEVZİ MERKEZLERİNDE VE GİRİŞ KAPISINDA

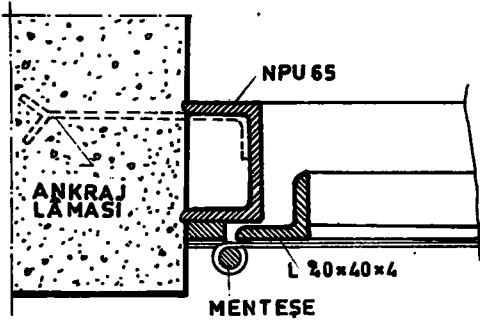
(a) cm.

(b) cm

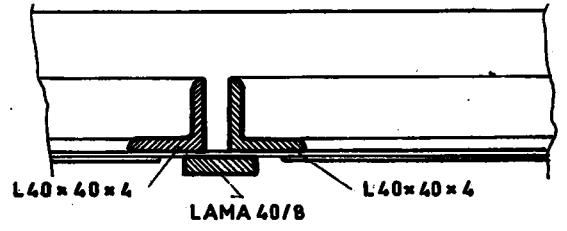
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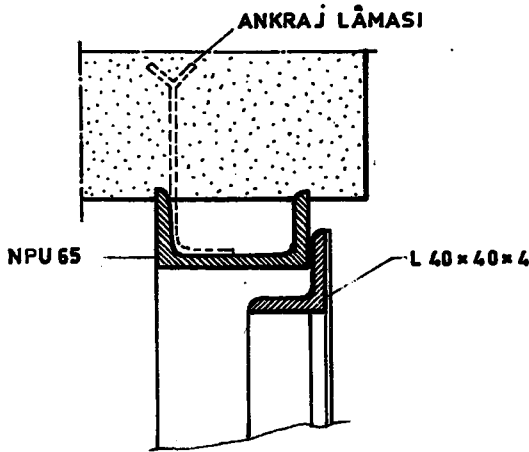
TRAF0 KAPI PLÂNI
ÖLÇEK:1/15



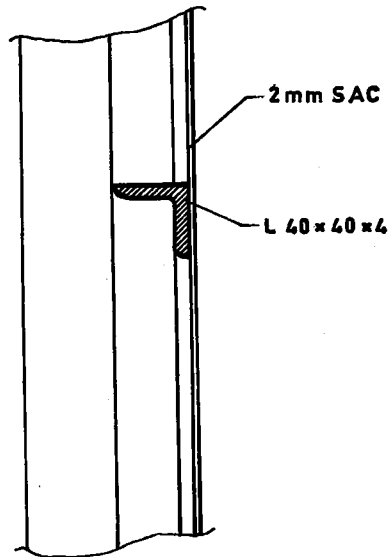
A DETAYI ÖLÇEK: 1/4



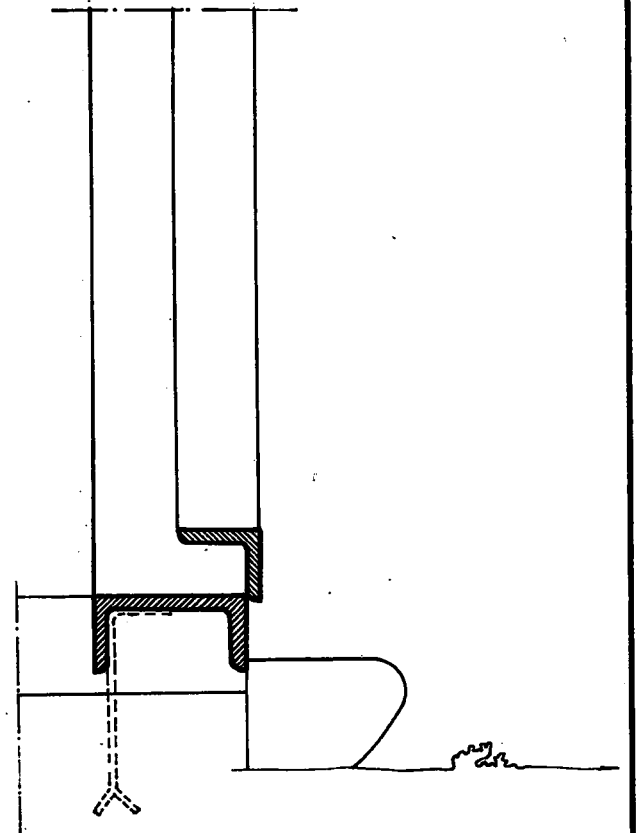
B DETAYI ÖLÇEK: 1/4



C. DETAYI ÖLÇEK: 1/4

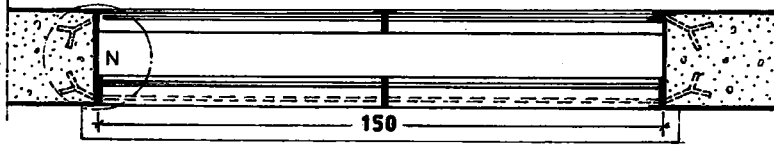
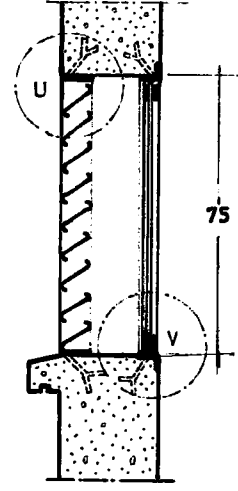
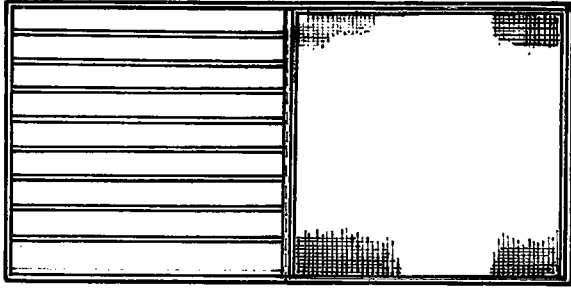


D DETAYI ÖLÇEK: 1/4



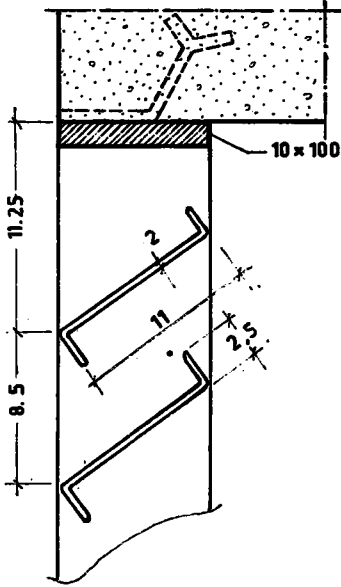
E DETAYI ÖLÇEK: 1/4

TRAFO KAPI DETAYLARI

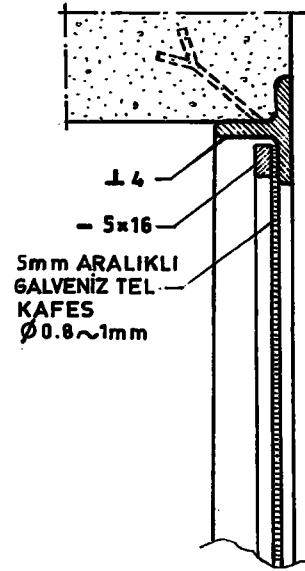


150 x 75 TRAF0 PENCERE TİPİ ÖLÇEK: 1/20

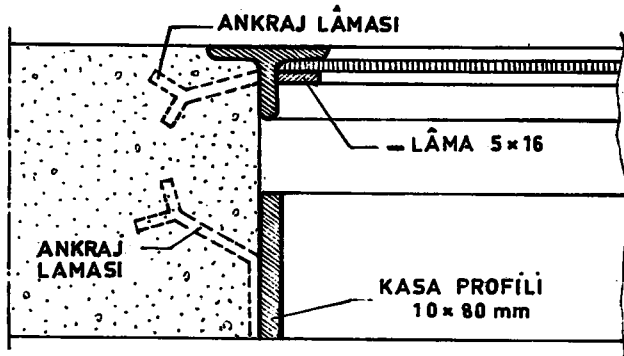
U DETAYI ÖLÇEK: 1/4



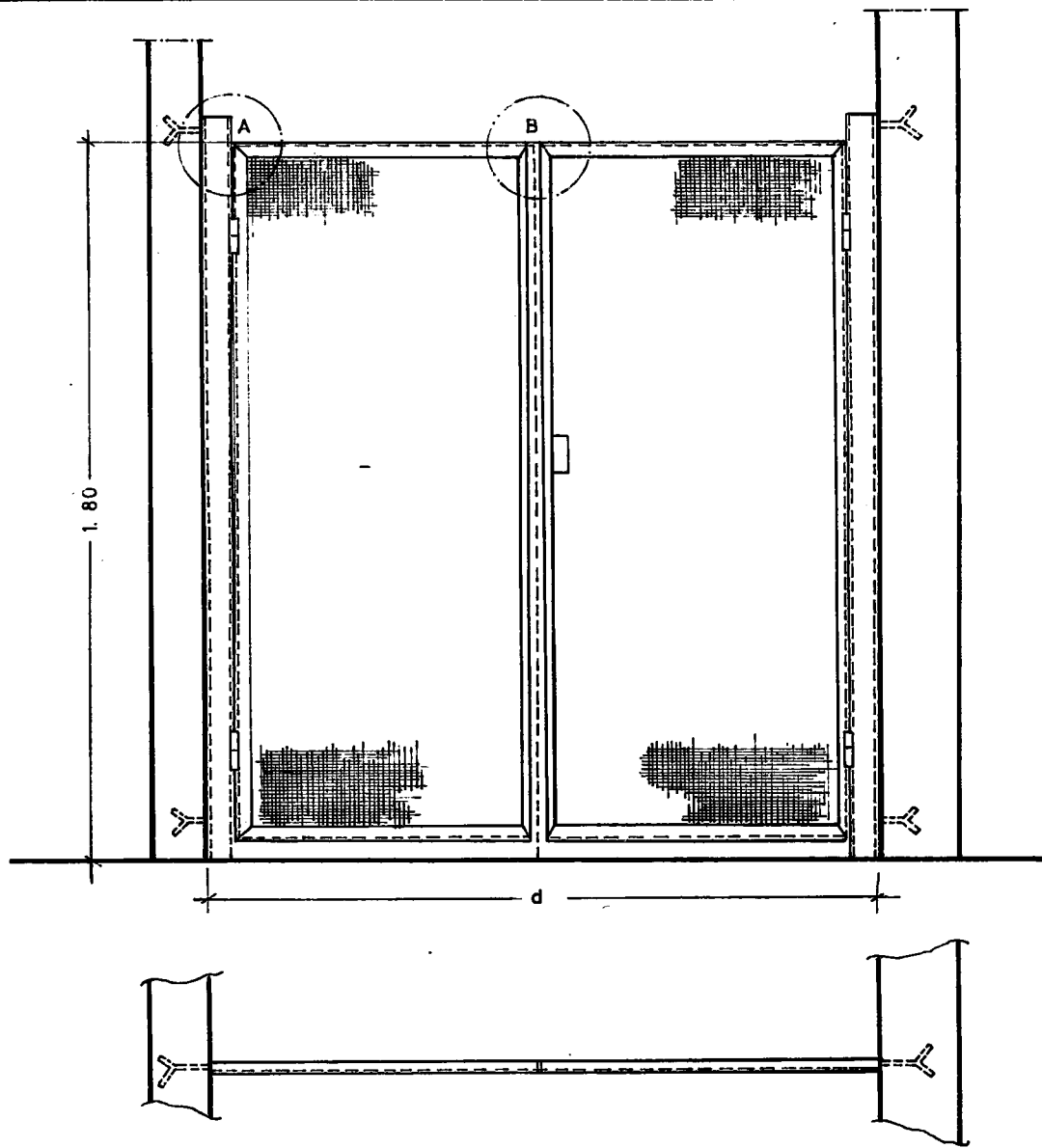
V DETAYI ÖLÇEK: 1/4



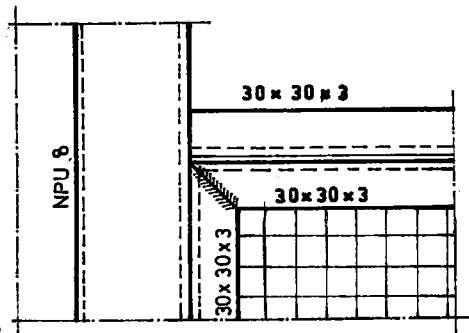
N DETAYI ÖLÇEK: 1/4



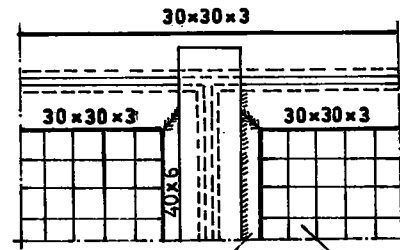
TRAF0 PANCUR PLÂNI VE DETAYLARI



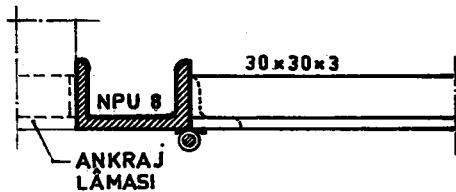
- SEBEKE TRAFOLARINDA VE	30 KV LUK HÜCRELERDE	180 İLA 187
- " " "	15 KV LUK	" 120 İLA 131
- ANA TRAFÖ MERKEZLERİ VE	30 KV LUK	" cm.
- " " "	" 15 KV LUK	" cm.



A DETAYI ÖLÇEK: 1/5

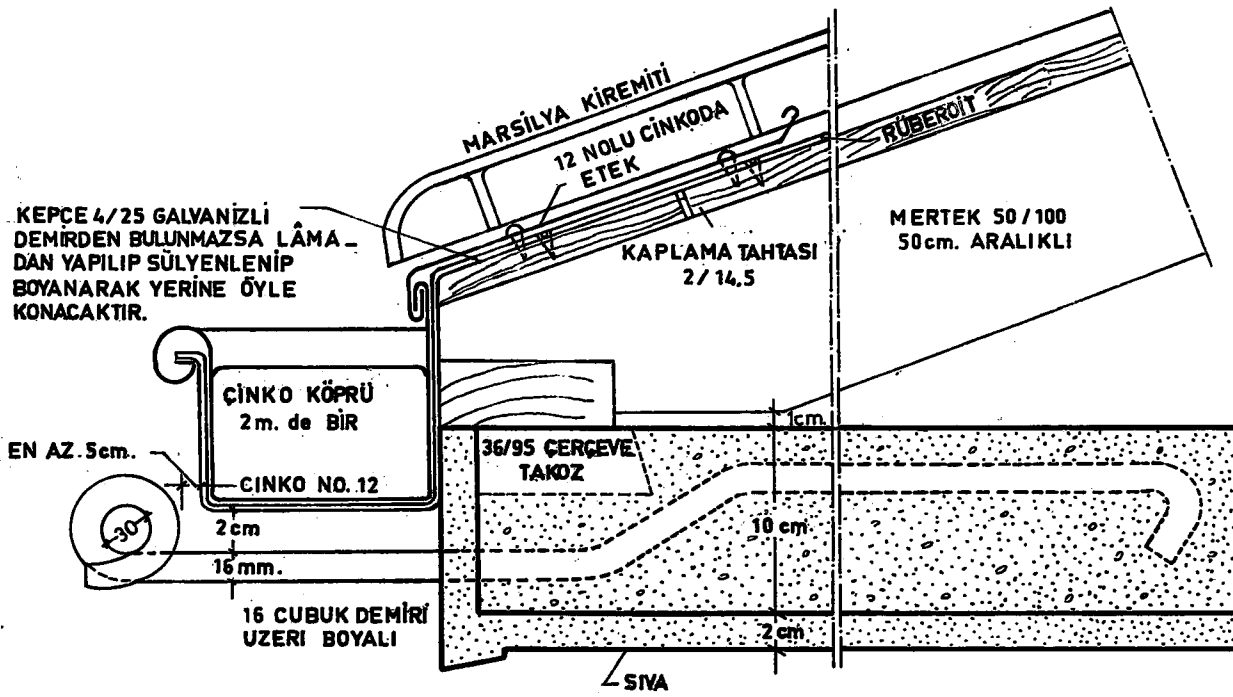


B DETAYI ÖLÇEK: 1/5

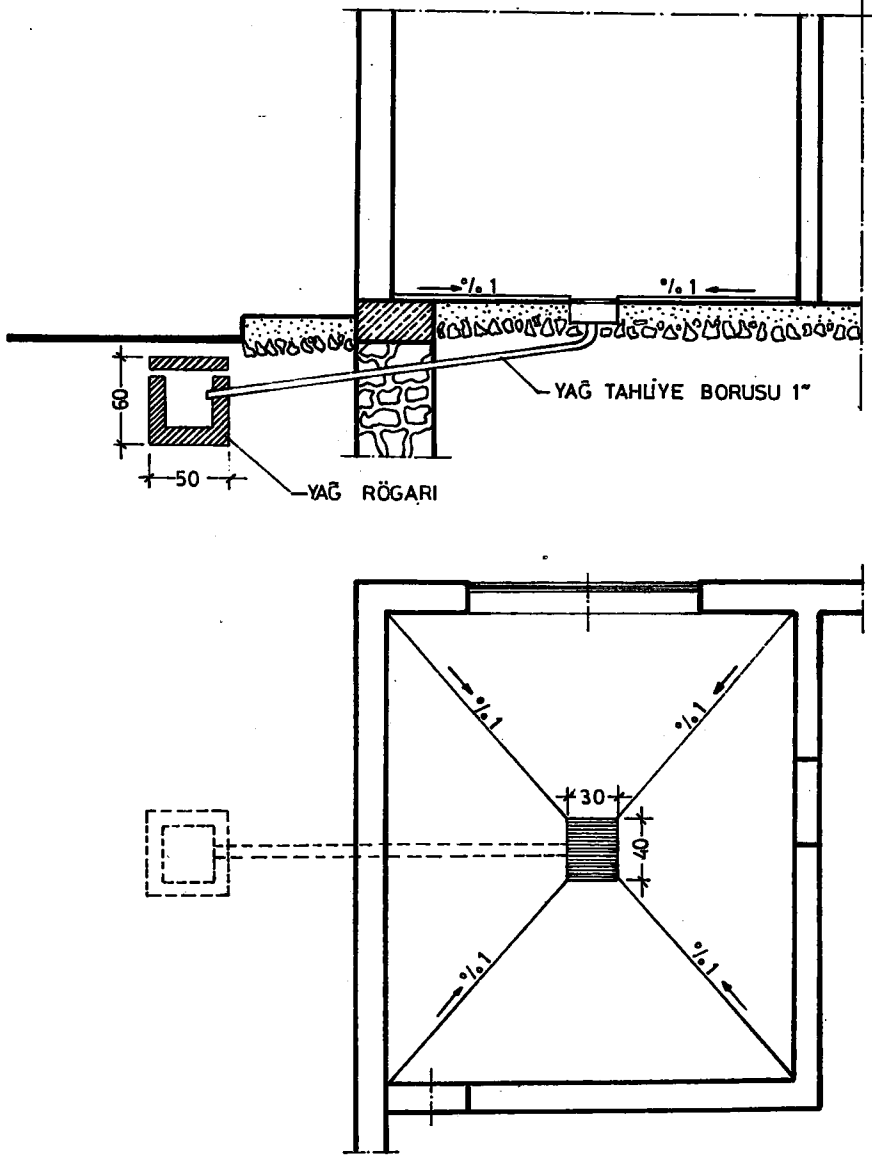


30 mm ARALIKLI
3 mm. KALINLIĞINDA
KAFES TELİ

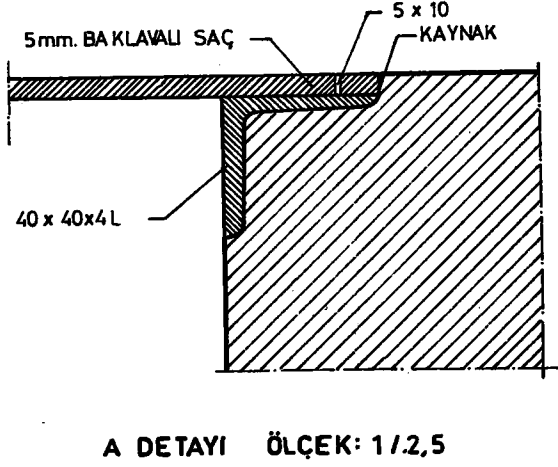
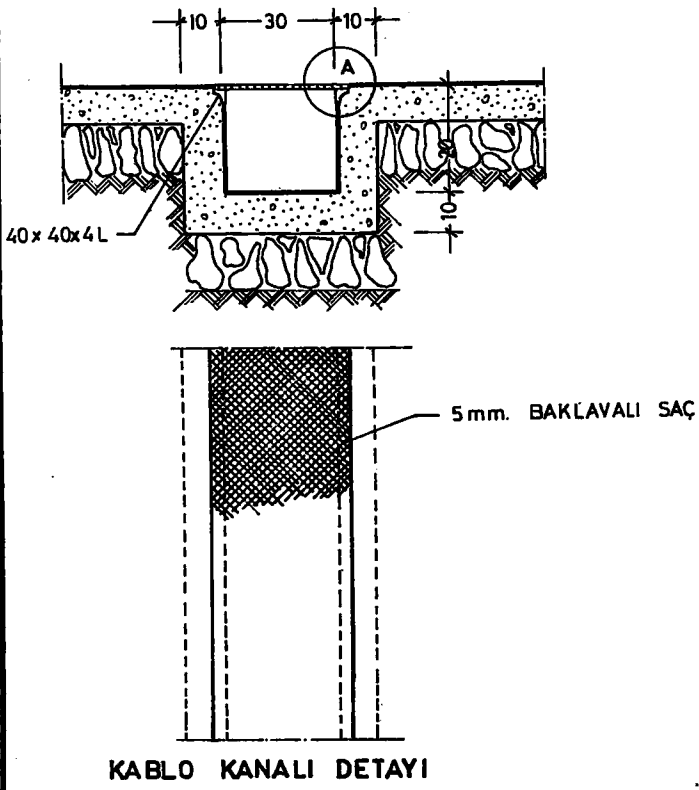
TEL KAFES KAPILAR VE DETAYLARI



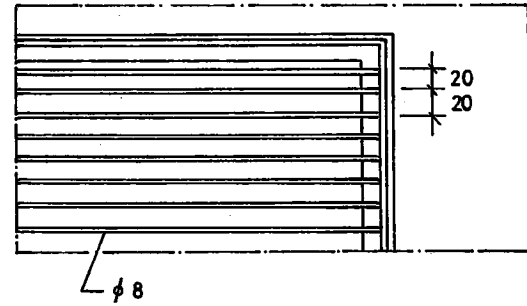
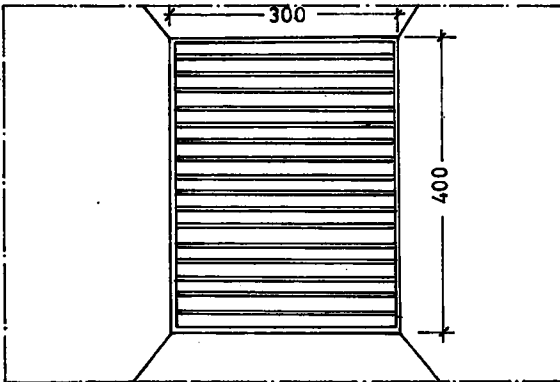
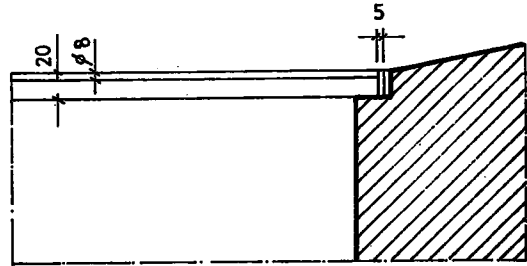
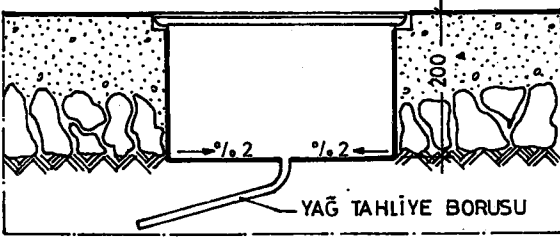
ÇATI DETAYI
ÖLÇEK: 1/4



TRAFÖ YAG ÇUKURU DETAYI
ÖLÇEK: 1/50



KABLO KANALI DETAYI



YAĞ ÇUKURU DETAYI ÖLÇEK: 1/10

IZGARA DETAYI ÖLÇEK: 1/5

YAĞ ÇUKURU DETAYI