GEORGIOS ALPOS
06/08/2024 12:02
ΑΚΡΙΒΕΣ ΑΝΤΙΓΡΑΦΟ

EGNATIA ODOS A.E.

YPHRESIES SYMBOYLOY GIA THN MELETH PROTYPVN OXETVN THS EGNATIAS ODOY

MELETH PROTYPOY OXETOY

1 ☐ EGKRINETAI	TEXNIKOS ELEGXOS APO:	ONOMATEPVNYMO	YPOGRAFH		
2 ☐ EGKRINETAI OPVS SHMEIVNETAI		K. PAPAEYUYMIOY			
		R. ABEYSINGHE			
3 ☐ ANAUEVRHSH KAI EPANAYPOBOLH	EGKRISH APO:	ONOMATEPVNYMO	YPOGRAFH	HMEROMHNIA	
4 ☐ DEN APAITEITAI ELEGXOS		X. GEVRGANOPOYLOS			

EKDOSH	HMEROMHNIA	ONOMA/YPOGRAFH O MELETVN	PERIGRAFH
F			
E			
D			
C			
B			
A	9/03/1998	LOYKATOS NESTORAS	PRVTH EKDOSH/FIRST ISSUE

TITLOS:

TEXNIKO EISODOY – EJODOY E 2 – 2

TYPOS OXETOY	DIASTASEIS OXETOY PLATOS X YCOS	YCOS EPIXVSHS OXETOY	SEISMIKOTHTA	KVDIKOS OXETOY
KIBVTOEIDHS	2.00 × 2.00	0.40÷10.00	II	K 2–2

MELETHTHS

A.ALEJOPOYLOS – N.LOYKATOS & SYNERGATES E.E

EKPONHSH MELETVN, EPIBLECH ERGVN, PAROXH YPHRESIVN TEXNIKOY SYMBOYLOY

G' SEPTEMBRIOY 56 104–33 AUHNA Thl. 01–8213 596 Fax. 01–8215 076 E–mail : standec @ compulink.gr

KVDIKOS EGGRAFOY (Symfvna me th DKE)

FYLLO:

TMHMA	SYMBASH	EIDOS	ANTIKEIMENO	TYPOS	STADIO	EKDOSH	ARIUMOS
0000	115	S	D	D	3	A	026

KLIMAKA: 1: 20, 1: 25, 1: 50

A. PERIOXH ISXYOS

1. O typow aytow exei ypoxrevtikh efarmogh gia oxetoyw ypo epixvsh oi opoioi perilambanontai ston parapleyrvw pinaka, oi opoioi sxediazontai kai kataskeyazontai ypoxrevtika symfvna me to paron sxedio.
2. Tropopoihsh tvn diastasevn tvn typvn aytvn peran tvn problepomenvn ston pinaka den epitrepetai.
3. O typow isxyei gia merikh h olikh ekskafh se opoiodhpote edafow.
4. Einai aparaithth h topouethsh ejomalyntikhw strvshw sthn edrash toy oxetoy kai h xrhsimopoihsh pleyrikvn jylotypvn se opoiodhpote edafow.
5. Epitrepetai h spondylvth prokataskeyh me morfvsh tvn armvn symfvna me to sxedio genikhw diatajhw.

B. YLIKA KATASKEYHS

Skyrodema: Aoplo skyrodema B10 (ejomalyntikh strvsh)
Oplismeno skyrodema B25.
Oplismow: Xalarow oplismow Bst 500S – DIN 488.

G. KANONISMOI

DIN 1045 : oplismeno kai aoplo skyrodema
DIN 1072 : fortiseiw gefyrvn kai odogefyrvn (klash 60/30)
DIN 1075 : olosvmew gefyrew, ypologismow kai kataskeyh
DIN 1055 : fortia
DIN 1054 : uemelivseiw, epitrepomenew fortiseiw edafvn
DIN 4018 : ypologismow katanomhw pieshw edafoyw
DIN 4019 : ypologismow kauizhsevn
DIN 4085 : pleyrikew vuhseiw gaivn
DIN 4225 : prokataskeyasmena stoixeia skyrodematow
NEAK : Neow Ellhnikow Antiseismikow Kanonismow
Ellhnikow Kanonismow Texnologiaw Skyrodematow
E39/93 YPEXVDE : odhgiew gia thn antiseismikh meleth gefyrvn

D. PARADOXES

1. Fortiseiw
1.1 Monima fortia
   - Idio barow skyrodematow g=25 KN/m3
   - Idio Barow gaivn kai epixvshw g=20 KN/m3
   Loipa xarakthristika ylikoy epixvshw:
   Synektikothta c=0
   Gvnia esvterikhw tribhw f=30 °
   Klish pranoyw pisv apo toixoyw, ycow/platow = 1 : 3
   - Vuhseiw gaivn
   Energhtikh vuhsh gaivn gia ta Texnika Eisodoy–Ejodoy
   Oydeterh vuhsh gaivn (hremiaw) gia toyw Oxetoyw
1.2 Uermokrasiakew metabolew
   - Systolh apo phjh anv plakaw –15 °C
   - Diafora mesa–ejv ±7°C
1.3 Kinhta fortia
   - Klash 60/30
   - Katanomh kinhtvn kau ycow me gvnia 30° vw prow thn katakoryfo
1.4 Seismow
   - Seismikothta perioxhw II
   - Epitaxynsh edafoyw 0.24g
   - Spoydaiothta 1.0
   - Syntelesthw symperiforaw q=1.0
   - Seismikew vuhseiw symfvna me thn paragrafo 5.3.2.b NEAK
2. Edafow uemelivshw
   - Typow A: argiloi, xalarew evw pyknew ammoi, lepta xalara ammoxalika.
   - Typow B: braxoi, krokalopagh, kala diabaumismenew poly pyknew ammoi h ammoxalika.

E. PARATHRHSEIS

1. Paxow epikalychw oplismoy 5ek. symfvna me thn leptomereia L1.
2. Oi armoi diakophw ergasivn shmeivnontai sthn typikh leptomereia kataskeyhw kibvtoeidvn oxetvn.
3. Edafh poy den ypagontai safvw sthn kathgoria B ua uevroyntai kathgoriaw A.
4. H meleth den perilambanei edafotexnikoyw elegxoyw oi opoioi piuanon na apaitoyntai analoga me tiw sygkekrimenew edafikew synuhkew poy aforoyn to svma thw odoy.

ST. SYMBOLISMOI

——— OPLISMOI STAUEROY MHKOYS

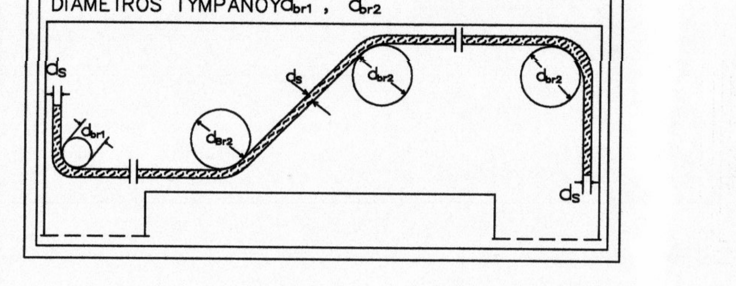
— – – – — OPLISMOI METABLHTOY MHKOYS

ORIA TOPOUETHSHS OPLISMOY

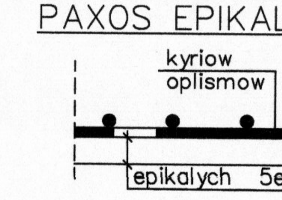
PINAKAS TYPVN TEXNIKVN EISODOY–EJODOY SE KIBVTOEIDHS OXETOYS

b \ h	1.00	2.00	3.00	4.00	5.00
1.00	E1–1	E1–2			
2.00		E2–2	E2–3		
3.00		E3–2	E3–3	E3–4	
4.00		E4–2	E4–3	E4–4	
5.00		E5–2	E5–3	E5–4	E5–5
6.00		E6–2	E6–3	E6–4	E6–5

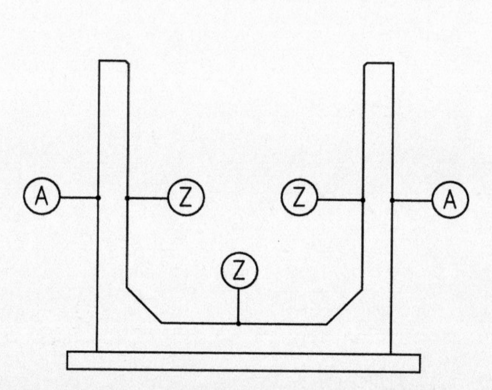
DIAMETROS TYMPANVN KAMCEVS SIDHROY OPLISMOY		
DIAMETROS RABDVN d_s [mm]	$d_s < 20$	$d_{Br} = 4d_s$
	$20 < d_s < 28$	$d_{Br} = 7d_s$
EPIKALYCH SKYRODEMATOS kaueth sthn epifaneia kampylothtaw	KAMCEIS RABDVN: ah kamptontai sthn idia uesh rabdoi perissotervn strvsevn tote prepei oi parakatv timew, gia rabdoyw tvn esvterikvn strvsevn na pollaplasiazontai me ton syntelesth 1.50	
>50 mm kai >3d_s	$d_{Br} = 15d_s$	
<=50 mm h >3d_s	$d_{Br} = 20d_s$	
**h diametrow kampylvshw mporei na meivuei se d=10d_s an h epikalych toy skyrodematow kaueta prow thn epifaneia kampylothtaw kai h apostash ajonvn tvn rabdvn einai toylaxiston 100 mm kai 7d_s antistoixvw.		
KVDIKOS RABDVN SIDHROY OPLISMOY : ○		
KVDIKOS RABDVN SYGKOLLHTVN OPLISMVN : ☐		
YLIKA: OPLISMENO SKYRODEMA B 25, XALYBAS : S 500		
DIAMETROS TYMPANOY d_{br1} , d_{br2}		



1. LEPTOMEREIA L1 PAXOS EPIKALYCHS



2. PRODIAGRAFES POIOTHTAS EPIFANEIVN TEXNIKOY EISODOY – EJODOY



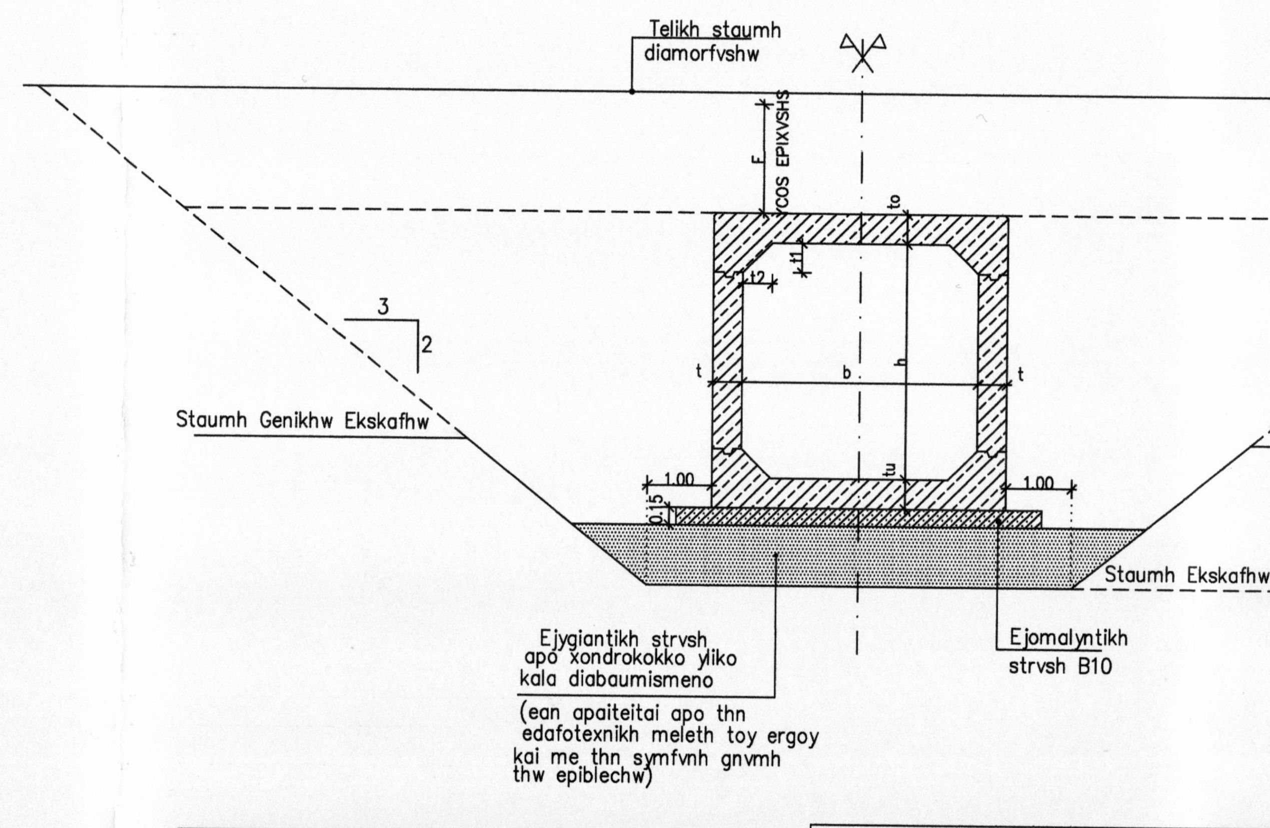
2.1. PRODIAGRAFES POIOTHTAS EPIFANEIVN JYLOTYPOY (SYMFVNA ME TIS TEXNIKES PRODIAGRAFES)

2.1.1 Afanhw ejvterikh epifaneia toixvmatvn A
2.1.2 Esvterikh orath epifaneia Z

2.2. STROGGYLEMATA GVNIVN

2.2.1 25X25 mm gia gvniew poy einai oratew sthn monimh katastash toy ergoy.
2.2.2 50X50 mm gia gvniew poy prokeitai na dexuoyn systhma steganvshw poy apoteleitai apo fylla monvshw.

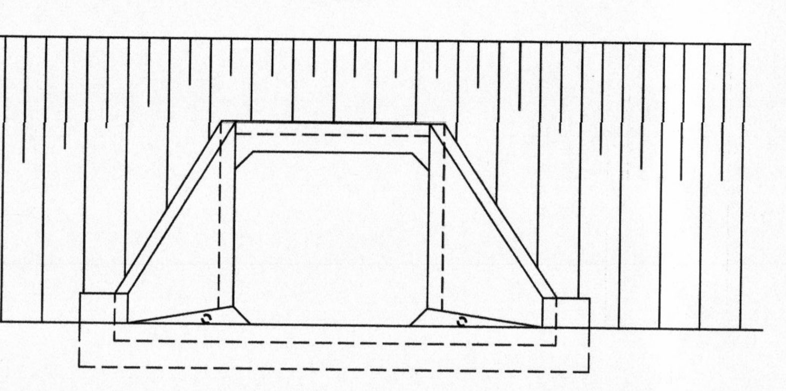
LEPTOMEREIA SYMBOLISMOY DIASTASEVN KIBVTOEIDVN OXETVN



YCOS EPIXVSHS OXETOY E (m)	0.40 ÷ 2.00	3.00 ÷ 6.00	8.00 ÷ 10.00
KATAKORYFH ENISXYSH t1 (m)	0.25	0.30	0.35
ORIZONTIA ENISXYSH t2 (m)	0.25	0.30	0.35

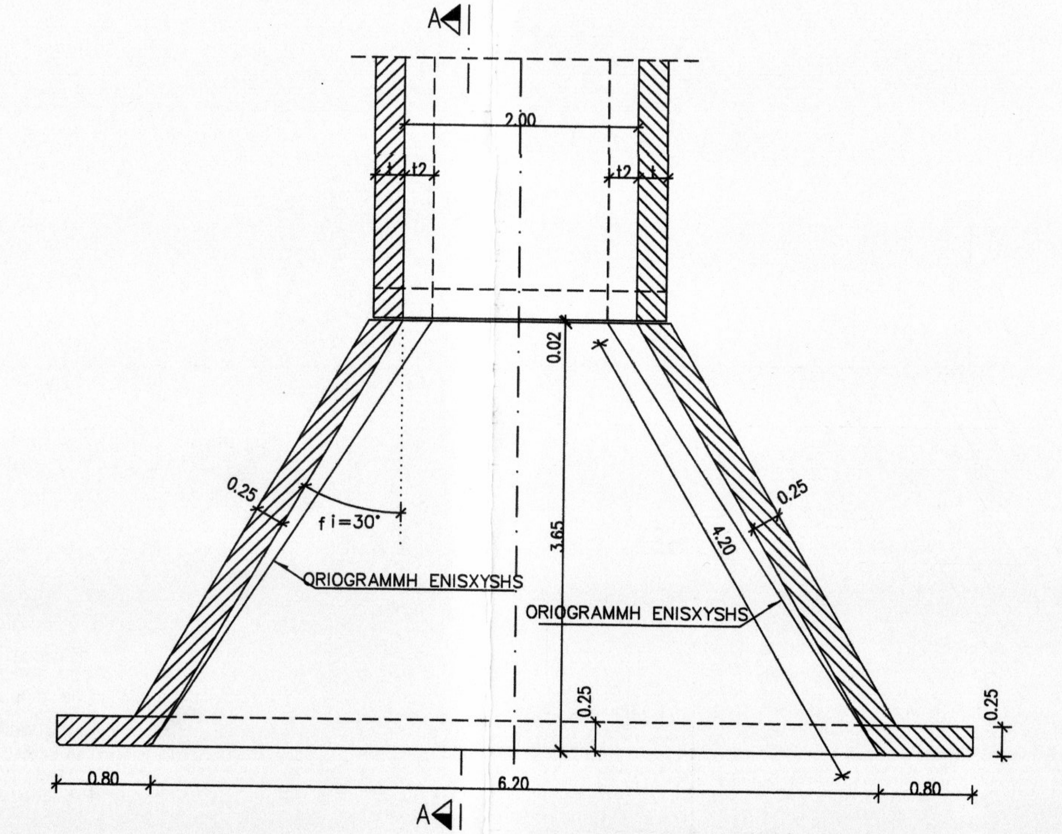
PARATHRHSH : OI ARXIKES TIMES ENISXYSEVN TVN TEXNIKVN EISODOY – EJODOY KAUORIZONTAI APO TON PARAPLEYRO PINAKA, ANALOGA ME TO YCOS EPIXVSHS TOY ANTISTOIXOY OXETOY, KAI MEIVNONTAI STADIAKA SE MHDENIKES TIMES STO TELOS TVN TEXNIKVN.

OCH



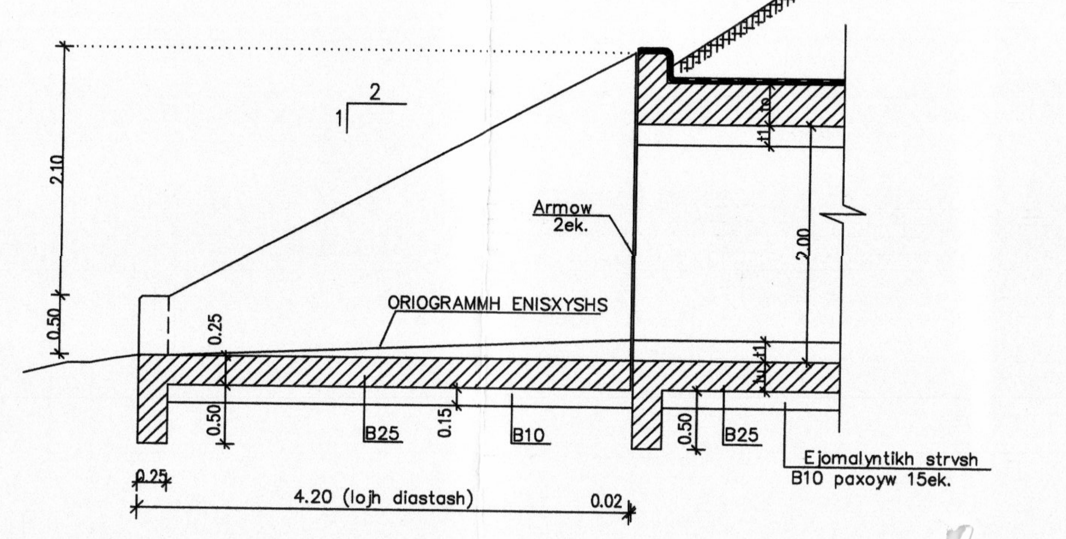
KATOCH (GVNIA LOJOTHTAS SE KATOCH=30°)

KL. 1:50

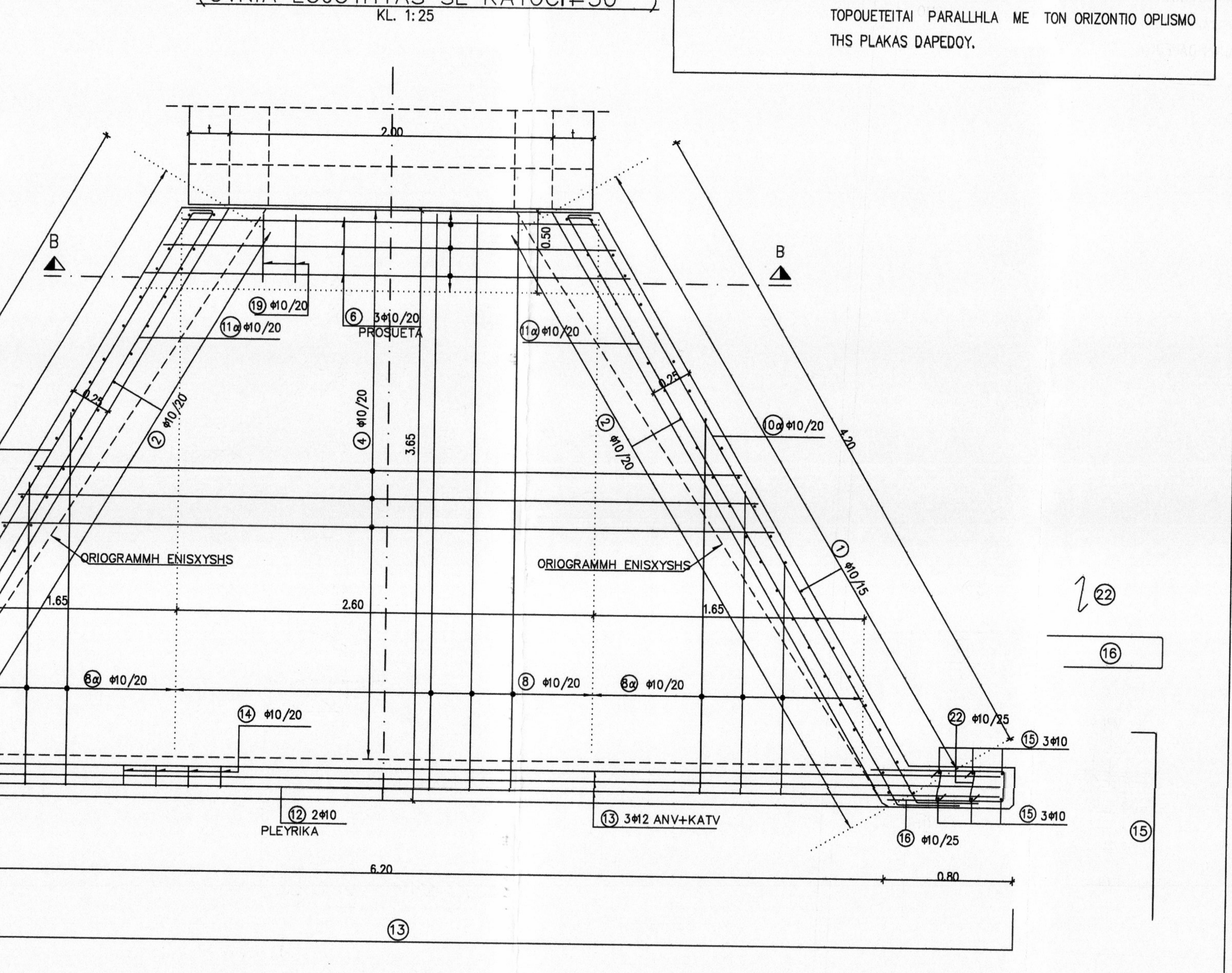


TOMH A–A (GVNIA LOJOTHTAS SE KATOCH=30°)

KL. 1:50



TOMH G–G KATV OPLISMOS PLAKAS DAPEDOY (GVNIA LOJOTHTAS SE KATOCH=30°)

KL. 1:25

ΠΑΡΑΤΗΡΗΣΗ : TO PELMA TOY KATAKORYFOY OPLISMOY TVN TOIXVMATVN TOPOUETEITAI PARALLHLA ME TON ORIZONTIO OPLISMO THS PLAKAS DAPEDOY.