EGNATIA ODOS A.E.

YPHRESIES SYMBOYLOY GIA THN MELETH PROTYPVN OXETVN THS EGNATIAS ODOY

MELETH PROTYPOY OXETOY

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

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

TITLOS:

TEXNIKO EISODOY – EJODOY E 5–3

TYPOS OXETOY	DIASTASEIS OXETOY PLATOS X YCOS	YCOS EPIXVSHS OXETOY	SEISMIKOTHTA	KVDIKOS OXETOY
KIBVTOEIDHS	5.00 × 3.00	0.40÷10.00	III	K 5–3

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: 1–1

TMHMA	SYMBASH	EIDOS	ANTIKEIMENO	TYPOS	STADIO	EKDOSH	ARIUMOS
0000	115	S	D	D	3	A	035

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 III
- 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

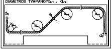
OPLISMOI METABLHTOY MHKOYS

ORIA TOPOUETHSHS OPLISMOY

PINAKAS TYPVN TEXNIKVN EISODOY–EJODOY SE KIBVTOEIDHS OXETOYS

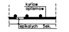
b \ h	1.00	2.00	3.00	4.00	5.00
1.00	E1–1	E1–2			
2.00		E2–2	E2–3		
3.00		E3–2	E3–3	E3–4	
4.00		E4–2	E4–3	E4–4	
5.00		E5–2	E5–3	E5–4	E5–5
6.00		E6–2	E6–3	E6–4	E6–5

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 kampylvthtaw	KAMCEIS RABDVN Ean kamptontai sthn idia uesh rabdoi perissoterwn strvsevn tote prepei oi parakatv times, gia rabdoys tvn esvterikvn strvsevn na pollaplasiazontai me ton syntelesth 1.50	
>50 mm kai >3d_s	$d_{Br} = 15d_s$	
<=50 mm kai >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 kampylvthtaw kai h apostash ajonvn tvn rabdvn einai toylaxiston 100 mm kai 7d_s		
KVDIKOS RABDVN SIDHROY OPLISMOY : ○		
KVDIKOS RABDVN SYGKOLLHTVN OPLISMVN : ☐		
YLIKA: OPLISMENO SKYRODEMA : B 25 XALYBAS : S 500		
DIAMETROS TYMPANOY d_{br1} , d_{br2}		



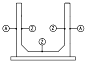
d_s
d_{br1}
d_{br2}
d_s
d_{br2}
d_{br2}
d_s

1. LEPTOMEREIA L1 PAXOS EPIKALYCHS



kyriow oplismow
epikalych 5ek.

2. PRODIAGRAFES POIOTHTAS EPIFANEIVN TEXNIKVN EISODOY – EJODOY



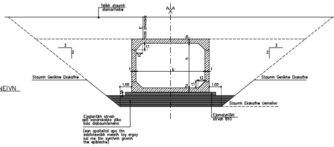
2.1. PRODIAGRAFES POIOTHTAS EPIFANEIVN JYPOTYPOY (SYMFVNA ME TIS TEXNIKES PRODIAGRAFES)

2.1.1 Afanhw ejvterikh epifaneia toixvmatvn A
2.1.2 Esvterikh orath epifaneia Z

2.2. STROGGYLEMATA GVNIVN

2.2.1 25X25mm gia gvniew poy einai oratew sthn monimh katastash toy ergoy.
2.2.2 50X50mm gia gvniew poy prokeitai na dexuoyn systhma steganvshw poy apoteleitai apo fylla monvshw.

LEPTOMEREIA SYMBOLISMOY DIASTASEVN KIBVTOEIDVN OXETVN

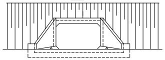


A
A
Telikh staumh diamorfvshw
E YCOS EPIXVSHS
t0
t1
t2
h
t
b
t
3
2
3
2
Staumh Genikhw Ekskafhw
Staumh Genikhw Ekskafhw
1.00
1.00
tu
t1
t2
Staumh Ekskafhw Uemelivn
Ejygiantikh strvsh apo xondrokokko yliko kala diabaumismeno
(ean apaiteitai apo thn edafotexnikh meleth toy ergoy kai me thn symfvnh gnvmh thw epiblechw)
Ejomalyntikh strvsh B10

YCOS EPIXVSHS OXETOY E (m)	0.40 ÷ 2.00	3.00 ÷ 6.00	8.00 ÷ 10.00
KATAKORYFH ENISXYSH t1 (m)	0.50	0.60	0.80
ORIZONTIA ENISXYSH t2 (m)	0.50	0.60	0.80

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.

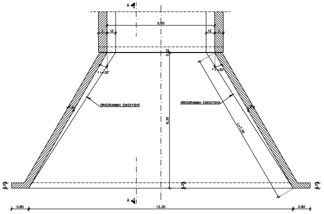
OCH



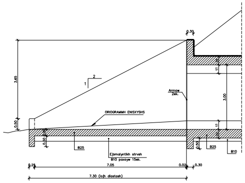
EFSTATHIA THEONYMFI KRITSOTAKI

EFSTATHIA THEONYMFI KRITSOTAKI
ΑΚΡΙΒΕΣ ΑΝΤΙΓΡΑΦΟ
Oct 11 2022 12:55 PM

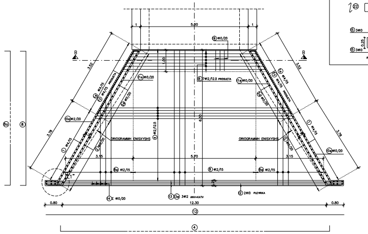
KATOCH
(GVNIA LOJOTHTAS SE KATOCHf=30°)
KL. 1:50


A
5.00
t2
t2
f1=30°
f1=30°
ORIOGRAMMH ENISXYSHS
ORIOGRAMMH ENISXYSHS
6.30
L=7.30
0.25
A
0.80
12.30
0.80

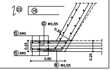
TOMH A–A
(GVNIA LOJOTHTAS SE KATOCHf=30°)
KL. 1:50


0.30
3.65
2
1
Armow 2ek.
3.00
t1
ORIOGRAMMH ENISXYSHS
0.50
B25
Ejomalyntikh strvsh B10 paxoyw 15ek.
B25
B10
0.25
7.05
0.02
0.30
7.30 (lojh diastash)

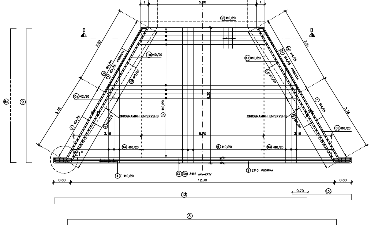
TOMH G–G
(GVNIA LOJOTHTAS SE KATOCHf=30°)
KATV OPLISMOS PLAKAS DAPEDOY
KL. 1:50


5.00
⑨ Φ10/20
B
3.52
ORIOGRAMMH ENISXYSHS
ORIOGRAMMH ENISXYSHS
3.15
5.70
3.15
12.30
0.80
0.80

LEPTOMEREIA "L1"
KL. 1:25


㉒
⑯
㉒ Φ10/25
⑤ 3Φ10
⑤ 3Φ10
0.30
0.25
0.80
0.25

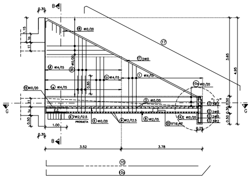
TOMH G–G
(GVNIA LOJOTHTAS SE KATOCHf=30°)
ANV OPLISMOS PLAKAS DAPEDOY
KL. 1:50


5.00
⑨ Φ10/20
B
3.52
ORIOGRAMMH ENISXYSHS
ORIOGRAMMH ENISXYSHS
3.15
5.70
3.15
12.30
0.80
0.80
0.70

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

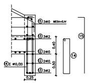
ESVTERIKH OCH PTERYGOTOIXOY PROS GAIES
(GVNIA LOJOTHTAS SE KATOCHf=30°)

KL. 1:50


B
0.30
1.15
⑧ Φ10/20
⑰
⑦ 2Φ10
⑤ Φ10/20
① Φ14/15
3.85
4.95
1.00
PROSUETA
3.52
3.78
⑩
⑩a
⓵

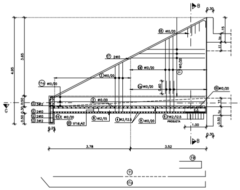
LEPTOMEREIA "L2"

KL. 1:25


⑮ 3Φ10 MESA+EJV
⑬ 3Φ12
⑫ 2Φ10
⑫ 2Φ10
⑬ 3Φ12
0.40
0.50
0.25
⑮
⑭

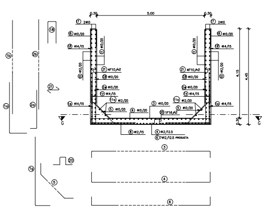
EJVTERIKH OCH PTERYGOTOIXOY (ORATH)
(GVNIA LOJOTHTAS SE KATOCHf=30°)

KL. 1:50


B
0.30
1.15
⑧ Φ10/20
⑰
⑦ 2Φ10
3.85
4.95
PROSUETA
3.78
3.52
⑪
⑪a
②

TOMH B–B
(GVNIA LOJOTHTAS SE KATOCHf=30°)

KL. 1:50


0.30
5.00
0.30
⑦ 2Φ10
⑧ Φ10/20
① Φ14/15
⑪ Φ10/20
⑱
①b
②b
4.15
4.45
⑥ Φ12/15
⑤ Φ12/12.5 PROSUETA
③
④
⑥
⑤
⑲
⑳

PROMETRHSH TEXNIKOY EISODOY – EJODOY E5–3
GIA GVNIA LOJOTHTAS SE KATOCH f=30

A/A	Σ Χ Η Μ Α Ρ Α Β Δ Ο Τ	ΟΠΛΙΣΜΟΣ	ΑΡΙΘΜ. ΤΕΜΑΧ.	ΜΗΚΟΣ ΤΕΜΑΧ.	ΟΛΙΚΟ ΜΗΚΟΣ	ΒΑΡΟΣ gr/m	ΟΛΙΚΟ ΒΑΡΟΣ
①	0.70 ÷ 2.55 / 0.85	F14/15	52	2.45	127.40	1.210	154.15
①α	2.00 / 1.70	F14/15	48	3.70	177.60	1.210	214.90
①β	1.40 ÷ 3.20	F14/15	48	2.30	110.40	1.210	133.58
①γ	2.55 / 1.40	F14/15	48	3.95	189.60	1.210	229.42
②	0.70 ÷ 2.55 / 0.20	F10/20	38	1.80	68.40	0.617	42.20
②α	1.75 / 0.20	F10/20	36	1.95	70.20	0.617	43.31
②β	1.40 ÷ 3.20	F10/20	36	2.30	82.80	0.617	51.08
③	0.20 / 5.60 ÷ 12.60 / 0.20	F10/20	31	9.50	294.50	0.617	181.71
③α		–	–	–	–	–	–
③β		–	–	–	–	–	–
④	0.60 / 5.60 ÷ 12.60 / 0.60	F12/12.5	49	10.30	504.70	0.888	448.17
④α		–	–	–	–	–	–
④β		–	–	–	–	–	–
⑤	0.30 / 0.70 ÷ 1.70 / 0.30	F10/20	74	1.80	133.20	0.617	82.18
⑥	0.60 / 5.60 ÷ 6.75 / 0.60	F12/12.5	7	7.35	51.45	0.888	45.69
⑧	0.20 / 6.20 / 0.20	F12/15	38	6.60	250.80	0.888	222.71
⑧α	0.20 / 0.30 ÷ 6.20 / 0.20	F12/15	42	3.65	153.30	0.888	136.13
⑨	0.20 / 6.20 / 0.20	F10/20	29	6.60	191.40	0.617	118.10
⑨α	0.20 / 0.30 ÷ 6.20 / 0.20	F10/20	32	3.65	116.80	0.617	72.07
⑩	0.20 / 0.30 ÷ 6.95	F10/20	38	3.80	144.40	0.617	89.09
⑩α	0.20 / 7.20 / 0.50	F10/20	6	7.90	47.40	0.617	29.25
⑪	0.20 / 0.30 ÷ 6.95	F10/20	38	3.80	144.40	0.617	89.09
⑪α	0.20 / 7.20 / 0.50	F10/20	12	7.90	94.80	0.617	58.49
⑫	13.80	F10	4	13.80	55.20	0.617	34.06

PROMETRHSH TEXNIKOY EISODOY – EJODOY E5–3
GIA GVNIA LOJOTHTAS SE KATOCH f=30

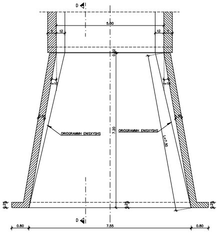
A/A	Σ Χ Η Μ Α Ρ Α Β Δ Ο Τ	ΟΠΛΙΣΜΟΣ	ΑΡΙΘΜ. ΤΕΜΑΧ.	ΜΗΚΟΣ ΤΕΜΑΧ.	ΟΛΙΚΟ ΜΗΚΟΣ	ΒΑΡΟΣ gr/m	ΟΛΙΚΟ ΒΑΡΟΣ
⑬	0.60 / 13.40	F12	6	14.00	84.00	0.888	74.60
⑬α	1.20 / 0.60	F12	6	1.80	10.80	0.888	9.59
⑭	0.18 / 0.72 / 0.72 / 0.10 / 0.18	F10/20	74	2.00	148.00	0.617	91.32
⑮	0.15 / 1.20	F10	12	1.35	16.20	0.617	10.00
⑯	0.81 / 0.71 / 0.18	F10/25	6	1.70	10.20	0.617	6.29
⑰	0.30 / 0.20 / 8.05 / 0.30	F10	4	8.85	35.40	0.617	21.84
⑱	0.51 / 0.51 / 0.23	F10/20	74	1.25	92.50	0.617	57.07
⑲	0.90 / 0.90 / 0.20	F10/20	29	2.00	58.00	0.617	35.79
⑳	0.30 / 0.23 / 0.22 / 0.30	1F16/m2	55	1.35	74.25	1.580	117.32
㉑	0.10 / 0.20 / 0.10	4F10/m2	132	0.40	52.80	0.617	32.58
㉒	0.11 / 0.18 / 0.11	F10/25	8	0.40	3.20	0.617	1.97

OLIKO BAROS OPLISMOY (Kgr)	2933.75
AOPLO SKYRODEMA (m3)	8.65
OPLISMENO SKYRODEMA (m3)	32.56

PARATHRHSH : OI PARAPANV POSOTHTES ANAFERONTAI SE PROMETRHSH ENOS TEXNIKOY EISODOY ή EJODOY

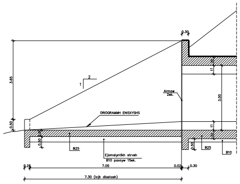
KATOCH
(GVNIA LOJOTHTAS SE KATOCHf=10°)

KL. 1:50


D
5.00
t
t2
0.12
t=10
0.30
ORIOGRAMMH ENISXYSHS
7.20
L=7.30
0.25
0.80
7.55
0.80

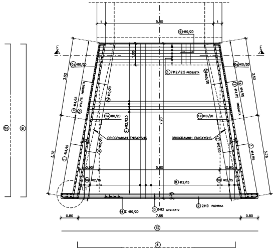
TOMH D–D
(GVNIA LOJOTHTAS SE KATOCHf=10°)

KL. 1:50


0.30
3.65
2
1
0.50
ORIOGRAMMH ENISXYSHS
Armow 2ek.
t1
3.00
B25
B25
B10
Ejomalyntikh strvsh B10 paxoyw 15ek.
0.25
7.05
0.02
0.30
7.30 (loJh diastash)

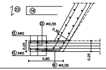
TOMH Z–Z (GVNIA LOJOTHTAS SE KATOCHf=10°)
KATV OPLISMOS PLAKAS DAPEDOY

KL. 1:50


E
E
5.00
t
t
⑲ Φ10/20
1.00
⑩a Φ10/20
⑩a Φ10/20
⑥ 7Φ12/12.5 PROSUETA
3.52
3.52
⑦ Φ14/15 PROSUETA
⑨ Φ14/15
⑦ Φ14/15 PROSUETA
Φ10/20
①a Φ10/20
①a Φ10/20
④ Φ12/12.5
7.20
ORIOGRAMMH ENISXYSHS
ORIOGRAMMH ENISXYSHS
② Φ10/20
③ Φ10/20
① Φ14/15
① Φ14/15
3.78
3.78
0.90
5.60
0.90
⑧a Φ12/15
⑧ Φ12/15
⑧a Φ12/15
L1
⑭ Σ Φ10/20
⑬ 3Φ12 ANV+KATV
⑫ 2Φ10 PLEYRIKA
0.80
7.55
0.80
⑫
④
⑧a
⑧

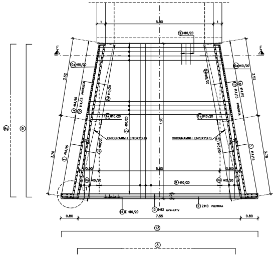
LEPTOMEREIA "L1"

KL. 1:25


㉒
⑯
㉒ Φ10/25
⑤ 3Φ10
0.30
0.25
⑤ 3Φ10
0.80
0.25
⑥ Φ10/25

TOMH Z–Z (GVNIA LOJOTHTAS SE KATOCHf=10°)
ANV OPLISMOS PLAKAS DAPEDOY

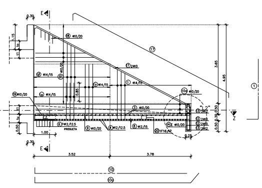
KL. 1:50


E
E
5.00
t
t
⑲ Φ10/20
⑩a Φ10/20
⑩a Φ10/20
3.52
3.52
⑦ Φ14/15 PROSUETA
⑨ Φ14/15
Φ10/20
①a Φ10/20
①a Φ10/20
③ Φ10/20
7.20
ORIOGRAMMH ENISXYSHS
ORIOGRAMMH ENISXYSHS
② Φ10/20
① Φ14/15
① Φ14/15
3.78
3.78
0.90
5.60
0.90
⑨a Φ10/20
⑨ Φ10/20
⑨a Φ10/20
L1
⑭ Σ Φ10/20
⑬ 3Φ12 ANV+KATV
⑫ 2Φ10 PLEYRIKA
0.80
7.55
0.80
⑬
③
⑨a
⑨

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

ESVTERIKH OCH PTERYGOTOIXOY PROS GAIES
(GVNIA LOJOTHTAS SE KATOCHf=10°)

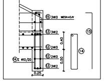
KL. 1:50



E
0.30
1.15
3.65
4.95
⑱ Φ10/20
⑰
⑰ 2Φ10
⑦ Φ14/15
⑧ Φ14/15
⑨ Φ10/20
⑩ Φ10/20
⑥ Φ12/12.5
⑤ Φ12/12.5
⑳ 1F16/m2
PROSJETA
1.00
3.52
3.78
①
Z

LEPTOMEREIA "L2"

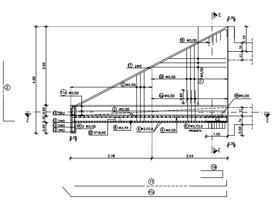
KL. 1:25



⑤ 3Φ10 MESA+EJV
③ 3Φ12
② 2Φ10
② 2Φ10
④Σ Φ10/20
0.40
0.50
0.25
⑮
⑭

EJVTERIKH OCH PTERYGOTOIXOY (ORATH)
(GVNIA LOJOTHTAS SE KATOCHf=10°)

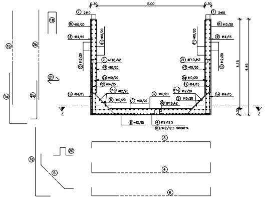
KL. 1:50



E
0.30
1.15
3.65
4.95
⑱ Φ10/20
⑰ 2Φ10
⑦ Φ10/20
⑧ Φ10/20
⑥ Φ12/12.5
⑤ Φ12/12.5
⑳ 1F16/m2
PROSJETA
1.00
3.78
3.53
⑪
⑪a
⑲
②
Z

TOMH E–E
(GVNIA LOJOTHTAS SE KATOCHf=10°)

KL. 1:50



0.30
5.00
0.30
⑦ 2Φ10
⑧ Φ10/20
① Φ14/15
⑪ Φ10/20
㉑ 4F10/m2
⑫ Φ10/20
⑨ Φ12/20
⑤ Φ10/20
⑥ Φ12/12.5
⑥ Φ12/12.5 PROSJETA
⑱
⑮
④
⑥
③
⑳
Z

PROMETRHSH TEXNIKOY EISODOY – EJODOY E5–3
GIA GVNIA LOJOTHTAS SE KATOCH f=10

A/A	Σ Χ Η Μ Α Ρ Α Β Δ Ο Τ	ΟΠΛΙΣΜΟΣ	ΑΡΙΘΜ. ΤΕΜΑΧ.	ΜΗΚΟΣ ΤΕΜΑΧ.	ΟΛΙΚΟ ΜΗΚΟΣ	ΒΑΡΟΣ gr/m	ΟΛΙΚΟ ΒΑΡΟΣ
①	0.70 ÷ 2.55 · 0.85	F14/15	52	2.45	127.40	1.210	154.15
①α	2.00 · 1.70	F14/15	48	3.70	177.60	1.210	214.90
①β	1.40 ÷ 3.20	F14/15	48	2.30	110.40	1.210	133.58
①γ	2.55 · 1.40	F14/15	48	3.95	189.60	1.210	229.42
②	0.70 ÷ 2.55 · 0.20	F10/20	38	1.80	68.40	0.617	42.20
②α	1.75 · 0.20	F10/20	36	1.95	70.20	0.617	43.31
②β	1.40 ÷ 3.20	F10/20	36	2.30	82.80	0.617	51.08
③	0.20 · 5.50 ÷ 7.95 · 0.20	F10/20	35	7.10	248.50	0.617	153.32
③α		–	–	–	–	–	–
③β		–	–	–	–	–	–
④	0.60 · 5.50 ÷ 7.95 · 0.60	F12/12.5	56	7.90	442.40	0.888	392.85
④α		–	–	–	–	–	–
④β		–	–	–	–	–	–
⑤	0.30 · 0.70 ÷ 1.70 · 0.30	F10/20	74	1.80	133.20	0.617	82.18
⑥	0.60 · 5.50 ÷ 5.85 · 0.60	F12/12.5	7	6.85	47.95	0.888	42.58
⑧	0.20 · 7.10 · 0.20	F12/15	38	7.50	285.00	0.888	253.08
⑧α	0.20 · 0.30 ÷ 7.10 · 0.20	F12/15	12	4.10	49.20	0.888	43.69
⑨	0.20 · 7.10 · 0.20	F10/20	28	7.50	210.00	0.617	129.57
⑨α	0.20 · 0.30 ÷ 7.10 · 0.20	F10/20	10	4.10	41.00	0.617	25.30
⑩	0.20 · 0.30 ÷ 6.95	F10/20	38	3.80	144.40	0.617	89.09
⑩α	0.20 · 7.20 · 0.50	F10/20	6	7.90	47.40	0.617	29.25
⑪	0.20 · 0.30 ÷ 6.95	F10/20	38	3.80	144.40	0.617	89.09
⑪α	0.20 · 7.20 · 0.50	F10/20	12	7.90	94.80	0.617	58.49
⑫	9.05	F10	4	9.05	36.20	0.617	22.34

PROMETRHSH TEXNIKOY EISODOY – EJODOY E5–3
GIA GVNIA LOJOTHTAS SE KATOCH f=10

A/A	Σ Χ Η Μ Α Ρ Α Β Δ Ο Τ	ΟΠΛΙΣΜΟΣ	ΑΡΙΘΜ. ΤΕΜΑΧ.	ΜΗΚΟΣ ΤΕΜΑΧ.	ΟΛΙΚΟ ΜΗΚΟΣ	ΒΑΡΟΣ gr/m	ΟΛΙΚΟ ΒΑΡΟΣ
⑬	0.60 · 9.05 · 0.60	F12	6	10.25	61.50	0.888	54.61
⑬α		–	–	–	–	–	–
⑭	0.18 · 0.72 · 0.72 · 0.10 · 0.18	F10/20	46	2.00	92.00	0.617	56.76
⑮	0.15 · 1.20	F10	12	1.35	16.20	0.617	10.00
⑯	0.81 · 0.71 · 0.18	F10/25	6	1.70	10.20	0.617	6.29
⑰	0.30 · 0.20 · 8.05 · 0.30	F10	4	8.85	35.40	0.617	21.84
⑱	0.51 · 0.51 · 0.23	F10/20	74	1.25	92.50	0.617	57.07
⑲	0.90 · 0.90 · 0.20	F10/20	28	2.00	56.00	0.617	34.55
⑳	0.30 · 0.23 · 0.29 · 0.30	1F16/m2	45	1.35	60.75	1.580	95.99
㉑	0.10 · 0.20 · 0.10	4F10/m2	132	0.40	52.80	0.617	32.58
㉒	0.11 · 0.18 · 0.11	F10/25	8	0.40	3.20	0.617	1.97

OLIKO BAROS OPLISMOY (Kgr)	2651.13
AOPLO SKYRODEMA (m3)	7.98
OPLISMENO SKYRODEMA (m3)	29.02

PARATHRHSH : OI PARAPANV POSOTHTES ANAFERONTAI SE PROMETRHSH ENOS TEXNIKOY EISODOY H EJODOY