ΔΗΜΟΤΙΚΗ ΕΠΙΧΕΙΡΗΣΗ ΥΔΡΕΥΣΗΣ - ΑΠΟΧΕΤΕΥΣΗΣ ΑΡΤΑΣ (Δ.Ε.Υ.Α.Α.)

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ΚΛΙΜΑΚΑ -	
ΕΚΔΟΣΗ Α	

ΣΥΝΤΑΧΘΗΚΕ		ΗΜΕΡ/ΝΙΑ	ΟΝΟΜΑΤΕΠΩΝΥΜΟ	ΥΠΟΓΡΑΦΗ
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	ΕΛΕΓΧΟΣ	21.09.2017	Ε. ΤΣΙΛΙΜΑΝΤΟΣ	
	ΕΓΚΡΙΣΗ	21.09.2017	Α. ΠΑΡΑΘΥΡΑΣ	

ΔΗΜΟΤΙΚΗ ΕΠΙΧΕΙΡΗΣΗ ΥΔΡΕΥΣΗΣ - ΑΠΟΧΕΤΕΥΣΗΣ ΑΡΤΑΣ (Δ.Ε.Υ.Α.Α.) ΤΕΧΝΙΚΗ ΥΠΗΡΕΣΙΑ

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ΕΓΚΡΙΘΗΚΕ	Ο ΠΡΟΪΣΤΑΜΕΝΟΣ Τ.Υ. Δ.Ε.Υ.Α.Α. Χ. ΚΑΛΠΟΥΖΟΣ ΠΟΛ. ΜΗΧΑΝΙΚΟΣ	17-10-2017	ΔΗΜΟΤΙΚΗ ΕΠΙΧΕΙΡΗΣΗ ΥΔΡΕΥΣΗΣ - ΑΠΟΧΕΤΕΥΣΗΣ Δ.Ε.Υ.Α.Α. ΑΡΤΑΣ

ΕΓΚΡΙΤΙΚΗ ΑΠΟΦΑΣΗ:

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ΣΤΑΤΙΚΟΙ ΥΠΟΛΟΓΙΣΜΟΙ

1 – ΓΕΝΙΚΑ

Η παρούσα μελέτη αφορά τη στατική επίλυση και διαστασιολόγηση των αντλιοστασίων Α/Σ-Γ3 και Α/Σ-Γ4 του εσωτερικού δικτύου αποχέτευσης ακαθάρτων του οικισμού Γραμμενίτσας του Δήμου Αρταίων.

2 – ΥΛΙΚΑ

Η κατηγορία του οπλισμένου σκυροδέματος προβλέπεται να είναι C30/37 σύμφωνα με το πρότυπο EN206-1, για την αποφυγή προσβολής του σκυροδέματος από τα λύματα και από το νερό πιθανού υπόγειου υδροφόρου ορίζοντα. Το σκυροδέματος εξομάλυνσης προβλέπεται κατηγορίας C12/15 και του χάλυβα οπλισμού B500c.

Η ονομαστική επικάλυψη του οπλισμού προβλέπεται να είναι 4.50cm για τις ελεύθερες επιφάνειες και 5.50cm για τις επιφάνειες σε επαφή με το έδαφος.

Οι επιφάνειες του σκυροδέματος σε επαφή με τα υλικά επανεπίχωσης προτείνεται να στεγανωθούν με εφαρμογή διπλής ασφαλτικής επάλειψης, ενώ οι εσωτερικές επιφάνειες προτείνεται να στεγανωθούν με τσιμεντοειδές στεγανωτικό.

Η επανεπίχωση των σκαμμάτων προβλέπεται να γίνει με θραυστό υλικό λατομείου.

3 – ΠΑΡΑΔΟΧΕΣ ΥΠΟΛΟΓΙΣΜΩΝ

3.1 ΚΑΝΟΝΙΣΜΟΙ

- Ελληνικός Κανονισμός Ωπλισμένου Σκυροδέματος — ΦΕΚ/1329/Β'/06.11.00
- Ελληνικός Αντισεισμικός Κανονισμός (ΕΑΚ 2000) — ΦΕΚ/2184/Β'/20.12.99
  Τροποποιήσεις και συμπληρώσεις: — ΦΕΚ/781/Β'/18.06.03
  ΦΕΚ/1154/Β'/12.08.03
- Οδηγίες για την Αντισεισμική Μελέτη Γεφυρών, Εγκύκλιος — 39/ΔΜΕΟγ/Ο/ 884 /24.12.99
- Φορτία οδικών γεφυρών — DIN 1072

3.2 ΓΕΩΤΕΧΝΙΚΑ ΣΤΟΙΧΕΙΑ

Στους στατικούς υπολογισμούς λαμβάνονται υπόψη οι ακόλουθες τιμές γεωτεχνικών παραμέτρων για το έδαφος θεμελίωσης:

- Ειδικό βάρος : γ_w = 18.5 KN/m^3
- Γωνία εσωτερικής τριβής : $\varphi'=21^o$
- Συνοχή : $c'=0$ Kpa
- Μέτρο συμπίεσης : E_s=3MPa

Για το υλικό επανεπίχωσης λαμβάνονται υπόψη οι ακόλουθες τιμές παραμέτρων:

- Ειδικό βάρος : γ_w = 20.0 KN/m^3
- Γωνία εσωτερικής τριβής : $\varphi'=30^o$
- Συνοχή : $c'=0$ Kpa
- Μέτρο συμπίεσης : E_s=20MPa

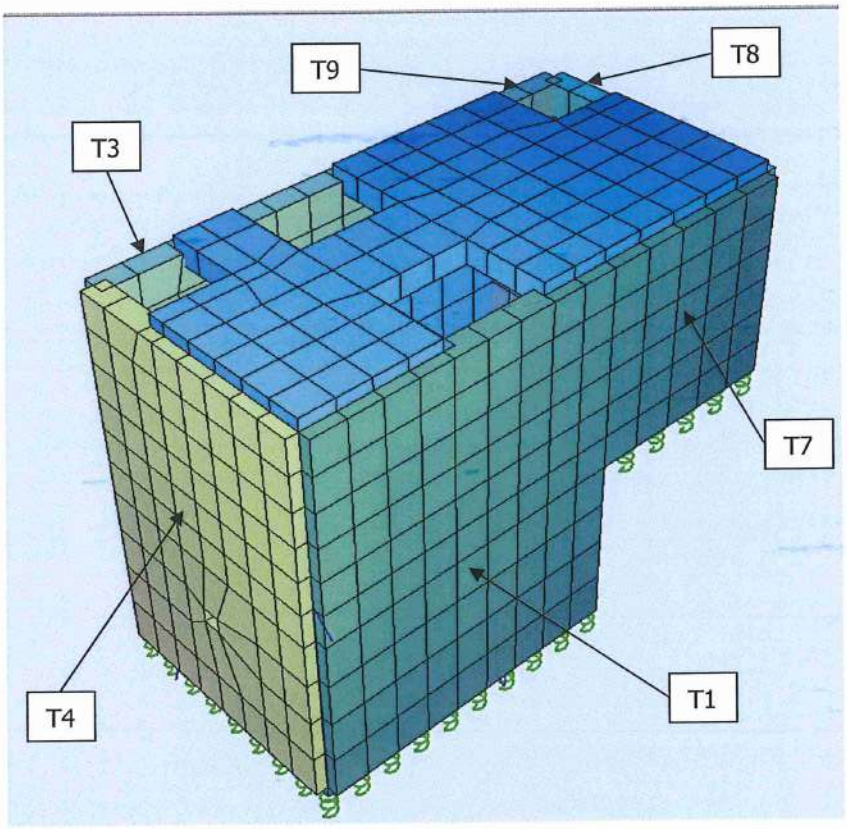
Επίσης, λαμβάνεται υπόψη υπέρ της ασφαλείας ύπαρξη υπόγειου υδροφόρου ορίζοντα σε βάθος 1.50m κάτω από την επιφάνεια του εφάφους.

3.3 ΣΕΙΣΜΙΚΟΣ ΣΥΝΤΕΛΕΣΤΗΣ

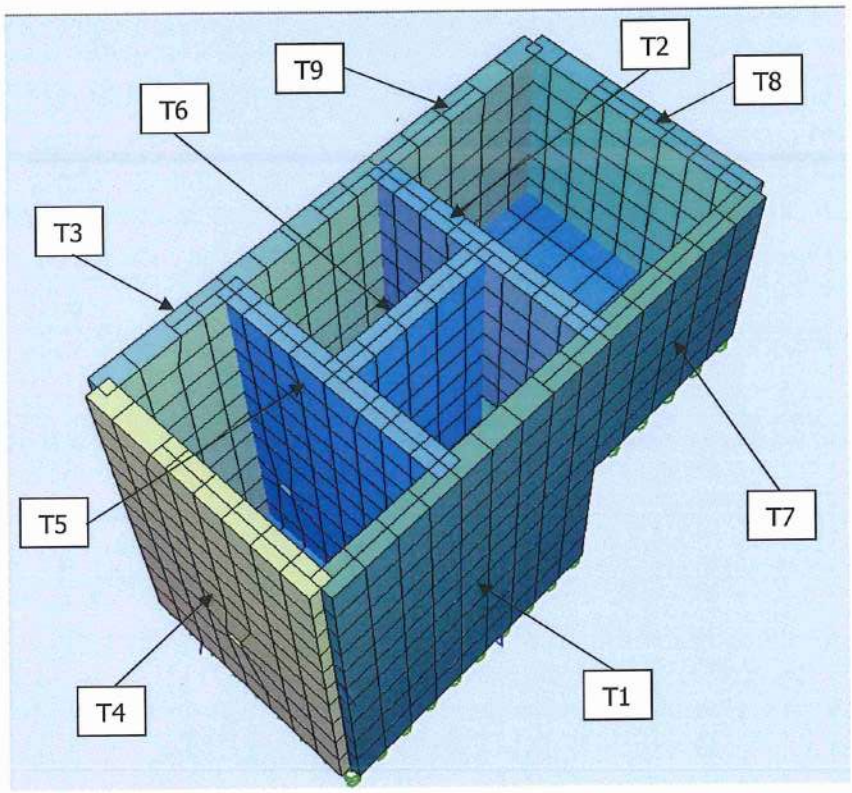
Η περιοχή κατασκευής των αντλιοστασίων βρίσκεται στη ζώνη σεισμικής επικινδυνότητας II και συνεπώς η σεισμική επιτάχυνση σχεδιασμού που λαμβάνεται είναι ίση με a=0.24g. Η κατηγορία σπουδαιότητας λαμβάνεται ως "Σ2", οπότε ο συντελεστής σπουδαιότητας είναι ίσος με γ_I=1.00.

3.4 ΕΠΙΛΥΣΗ

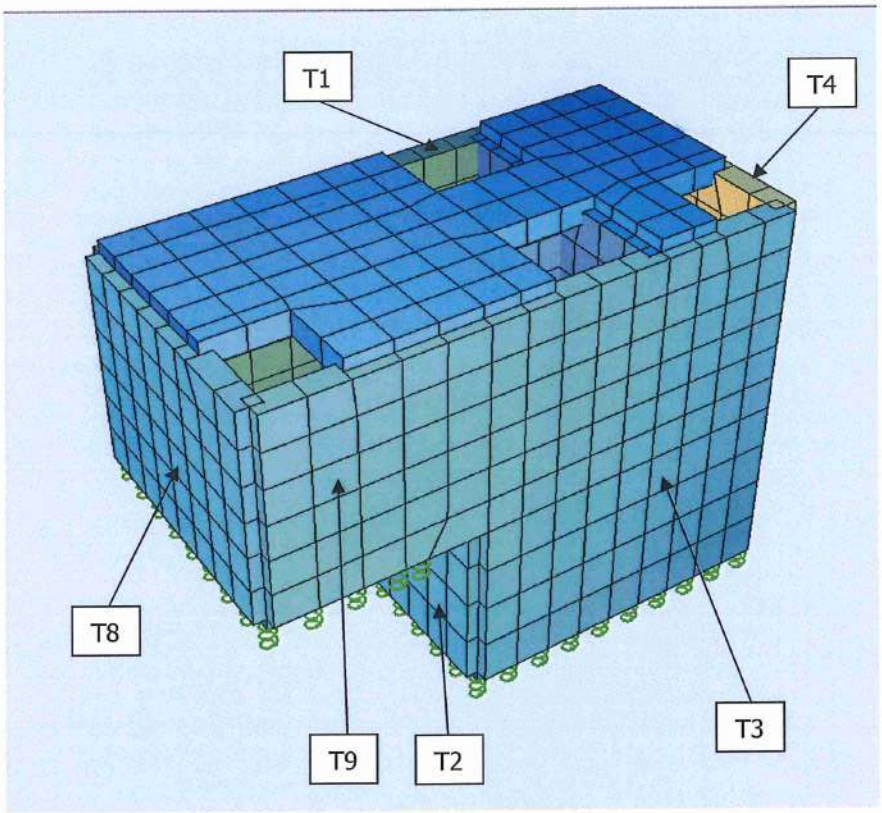
Η επίλυση και η διαστασιολόγηση των αντλιοστασίων έγινε με το πρόγραμμα SOFiSTiK. Επειδή τα αντλιοστάσια έχουν την ίδια κάτοψη και διαφέρουν μόνο στο ύψος τους με σχετικά μικρή διαφορά, πραγματοποιείται μια επίλυση για το δυσμενέστερο αντλιοστάσιο (Α/Σ-Γ4). Το μοντέλο υπολογισμού μορφώθηκε με επιφανειακά πεπερασμένα στοιχεία για την προσομοίωση των πλακών και των τοιχωμάτων, λαμβάνοντας υπόψη τα όποια ανοίγματα υπάρχουν. Στα σχήματα που ακολουθούν παρουσιάζεται το μοντέλο υπολογισμού και δίνονται οι ονομασίες των τοιχωμάτων όπως αυτές παρουσιάζονται στο τεύχος αποτελεσμάτων των στατικών υπολογισμών.



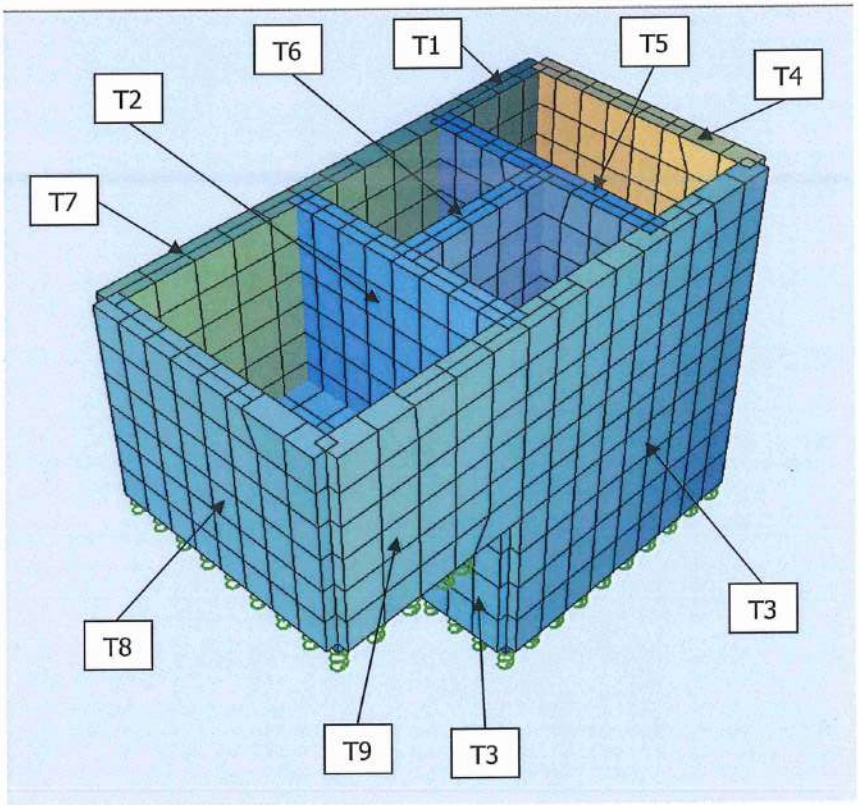
Σχήμα 3.1 – Προσομοίωμα πεπερασμένων στοιχείων, όψη 1.



Σχήμα 3.2 – Προσομοίωμα πεπερασμένων στοιχείων, όψη 1 χωρίς πλάκα οροφής.



Σχήμα 3.3 – Προσομοίωμα πεπερασμένων στοιχείων, όψη 2.



Σχήμα 3.4 – Προσομοίωμα πεπερασμένων στοιχείων, όψη 2 χωρίς πλάκα οροφής.

Στην επίλυση, η ελαστικότητα του εδάφους θεμελίωσης λαμβάνεται υπόψη με ισοδύναμα ελατήρια, η ακαμψία των οποίων υπολογίζεται από το δείκτη εδάφους k_s. Ο δείκτης εδάφους k_s, υπολογίζεται με εφαρμογή του προσεγγιστικού τύπου του Vesic :

$$k_s = \frac{0.90 \cdot E_s}{B \cdot (1-\nu^2)}$$

Όπου:

E_s = μέτρο συμπίεσης εδάφους (kPa)

B = πλάτος έδρασης τεχνικού (m)

Το μέτρο συμπίεσης του εδάφους θεμελίωσης λαμβάνεται από τα γεωτεχνικά στοιχεία και ο λόγος Poisson εκτιμάται ίσος με ν = 0.30.

Ο δείκτης εδάφους για την εφαπτομενική ακαμψία των ελατηρίων λαμβάνεται υπόψη ως 50% της αξονικής ακαμψίας τους.

3.5 ΦΟΡΤΙΑ

Οι φορτίσεις που εφαρμόστηκαν στους υπολογισμούς είναι οι ακόλουθες:

Α. ΧΩΡΙΣ ΣΕΙΣΜΟ:

LC1: Ίδιο βάρος

Το ίδιο βάρος του φορέα υπολογίζεται αυτόματα από το πρόγραμμα με γ=25 kN/m^3.

LC2: Πρόσθετα μόνιμα φορτία

Λαμβάνονται υπόψη πρόσθετα μόνιμα φορτία που αφορούν το βάρος των δευτερογενών διαμορφώσεων, των αντλιών, των καλυμμάτων κ.λ.π.

LC3: Ωθήσεις γαιών χωρίς υδροφόρο ορίζοντα

Λαμβάνονται υπόψη ωθήσεις ηρεμίας χωρίς την ύπαρξη υδροφόρου ορίζοντα, με συντελεστή λ=1-sinφ όπου φ η γωνία εσωτερικής τριβής του υλικού επανεπίχωσης.

LC4: Ωθήσεις γαιών με υδροφόρο ορίζοντα

Λαμβάνονται υπόψη ωθήσεις ηρεμίας αλλά με την ύπαρξη υδροφόρου ορίζοντα σε βάθος 1.50m από την επιφάνεια του εδάφους.

LC5, LC6, LC7, LC8: Εσωτερικό νερό

Λαμβάνονται υπόψη οι υδροστατικές πιέσεις που ασκούνται εσωτερικά στα τοιχώματα του αντλιοστασίου θεωρώντας πλήρωση με νερό των τεσσάρων θαλάμων. Κάθε επί μέρους φόρτιση αφορά πλήρωση διαφορετικού θαλάμου ώστε να ληφθούν υπόψη στους συνδυασμούς φορτίσεων διάφορες περιπτώσεις.

LC9: Κινητό φορτίο επί του αντλιοστασίου

Λαμβάνεται υπόψη κινητό φορτίο ίσο με 5.0 KN/m^2 σε όλη την επιφάνεια της πλάκας οροφής του αντλιοστασίου, συμπεριλαμβανομένων και των μεταλλικών καλυμμάτων.

LC10, LC11, LC12, LC13: Ωθήσεις κινητού

Υπολογίζονται οι πλευρικές ωθήσεις στα τοιχώματα του αντλιοστασίου που προέρχονται από κινητό φορτίο οχημάτων SLW30/30 κατά DIN 1072, ώστε να ληφθούν υπόψη τα φορτία κατά τη διάρκεια της κατασκευής και στη συνέχεια από τυχόν προσέγγιση οχήματος ή από εργασίες συντήρησης κ.λ.π. Λαμβάνεται κατανομή του φορτίου με το βάθος με κλίση 30° ως προς την κατακόρυφο, σε τρεις διευθύνσεις. Το κατακόρυφο φορτίο στην επιφάνεια του εδάφους προκύπτει ως 300KN / (6.0m x 3.0m) = 16.67 KN/m^2. Υπολογίζονται οι τιμές που αντιστοιχούν στους άνω και στους κάτω κόμβους και λαμβάνεται γραμμική μεταβολή των ωθήσεων μεταξύ αυτών των τιμών.

LC15: Συστολή πήξης (συρρίκνωση)

Η επίδραση της συστολής ξήρανσης επιτρέπεται να λαμβάνεται κατά τους υπολογισμούς σύμφωνα με την παράγραφο 6.3.2.6 του Ε.Κ.Ω.Σ 2000, ως ομοιόμορφη πτώση θερμοκρασίας που υπολογίζεται από τον τύπο:

$$\Delta T = 0.50\ \varepsilon_{cs} / \alpha_T$$

όπου ε_{cs} = συστολή ξήρανσης σκυροδέματος, σύμφωνα με πίνακα 2.3 του Ε.Κ.Ω.Σ.

α_T = συντελεστής θερμικής διαστολής σκυροδέματος, σύμφωνα με πίνακα 2.5.5 του Ε.Κ.Ω.Σ.

LC16: Γραμμική μεταβολή θερμοκρασία άνω και κάτω πέλματος

Λαμβάνεται υπόψη, διαφορά θερμοκρασίας άνω και κάτω παρειάς:

$$\Delta T = +\ 7^{o}C / -\ 3.5\ ^{o}C$$

LC17: Ομοιόμορφη μεταβολή θερμοκρασίας

Λαμβάνεται υπόψη ομοιόμορφη μεταβολή θερμοκρασίας:

$$\Delta T = +\ 20^{o}C / -\ 20\ ^{o}C$$

Β. ΜΕ ΣΕΙΣΜΟ:

LC21: Σεισμός ίδιου βάρους (X-X)

Ανάλογα με τη φόρτιση ίδιου βάρους του φορέα, αλλά με σεισμικό συντελεστή 0.24 στη διεύθυνση X-X.

LC22: Σεισμός πρόσθετων μόνιμων φορτίων (X-X)

Ανάλογα με τη φόρτιση πρόσθετων μόνιμων φορτίων στο αντλιοστάσιο, αλλά με σεισμικό συντελεστή 0.24 στη διεύθυνση X-X.

LC23: Πρόσθετες ομόφορες ωθήσεις γαιών (X-X)

Λαμβάνονται υπόψη πρόσθετες ωθήσεις γαιών στα τοιχώματα του αντλιοστασίου, στη διεύθυνση X-X. Η τιμή των ωθήσεων υπολογίζεται σύμφωνα με τη σχέση $p=0.75\times0.24\times\gamma\times H$, όπου H είναι το ύψος επιβολής των ωθήσεων, γ το ειδικό βάρος του υλικού επανεπίχωση και 0.24 ο σεισμικός συντελεστής.

Για τη συγκεκριμένη φόρτιση, λαμβάνεται υπόψη και η οριζόντια αντίσταση του εδάφους στα κατακόρυφα τοιχώματα, με ισοδύναμα οριζόντια ελατήρια. Τα ελατήρια αυτά θεωρούνται μη-γραμμικά ώστε να ενεργοποιούνται μόνο σε θλίψη και έτσι να λαμβάνεται υπόψη αυτόματα η αντίσταση του εδάφους, ανάλογα με τη διεύθυνση του σεισμού. Για την ακαμψία αυτών των ελατηρίων θεωρούμε ότι ο δείκτης εδάφους μεταβάλλεται γραμμικά με το βάθος, σύμφωνα με την εγκύκλιο Ε39/99, και υπολογίζεται από τη σχέση: $k_h = 2.4 \cdot Es \cdot z/H^2$, όπου E_s είναι το οριζόντιο μέτρο συμπιέσεως του υλικού επανεπίχωσης το οποίο εκτιμάται ως E_s=20 MPa. Υπολογίζεται ο δείκτης εδάφους για βάθος z=0.00m και z=H και χρησιμοποιείται ο μέσος όρος των τιμών αυτών σε όλο το τοίχωμα. Η εφαπτομενική ακαμψία των ελατηρίων αυτών λαμβάνεται με μισή από την παραπάνω τιμή.

LC29: Σεισμός κινητού φορτίου επί αντλιοστασίου (X-X)

Ανάλογα με τη φόρτιση κινητών φορτίων στο αντλιοστάσιο, αλλά με σεισμικό συντελεστή 0.24 στη διεύθυνση X-X.

LC31: Σεισμός ίδιου βάρους (Y-Y)

Όμοια με τη φόρτιση LC21, αλλά στη διεύθυνση Y-Y.

LC32: Σεισμός πρόσθετων μόνιμων φορτίων (Y-Y)

Όμοια με τη φόρτιση LC22, αλλά στη διεύθυνση Y-Y.

LC33: Πρόσθετες ομόφορες ωθήσεις γαιών (Υ-Υ)

Όμοια με τη φόρτιση LC23, αλλά στη διεύθυνση Υ-Υ.

LC39: Σεισμός κινητού φορτίου επί αντλιοστασίου (Υ-Υ)

Όμοια με τη φόρτιση LC29, αλλά στη διεύθυνση Υ-Υ.

LC61: Αντίφορες ωθήσεις γαιών (Χ-Χ)

Λαμβάνονται υπόψη πρόσθετες αντίφορες ωθήσεις γαιών στα τοιχώματα του αντλιοστασίου στη διεύθυνση Χ-Χ. Οι τιμές των ωθήσεων υπολογίζονται στο ανώτερο σημείο από τη σχέση $p_o = 1.5 \times 0.24 \times \gamma \times H$ και τιμή στο κατώτατο σημείο από τη σχέση $p_u = 0.5 \times 0.24 \times \gamma \times H$, όπου Η είναι το ύψος επιβολής των ωθήσεων και γ το ειδικό βάρος του υλικού επανεπίχωσης.

LC62: Αντίφορες ωθήσεις γαιών (Υ-Υ)

Όμοια με τη φόρτιση LC61, αλλά στη διεύθυνση Υ-Υ.

3.6 ΣΥΝΔΥΑΣΜΟΙ ΦΟΡΤΙΣΕΩΝ

Υπολογίζονται οι μέγιστες και ελάχιστες ροπές, καμπτικές και συστροφής για τα επιφανειακά στοιχεία, για τους συνδυασμούς χωρίς σεισμό, με έλεγχο ρηγμάτωσης και με σεισμό.

Στο συνδυασμό χωρίς σεισμό οι μόνιμες δράσεις πολλαπλασιάζονται με συντελεστή 1.35 εάν είναι δυσμενείς και 1.00 εάν είναι ευμενείς. Οι δράσεις κινητών φορτίων και οι θερμοκρασιακές δράσεις πολλαπλασιάζονται με συντελεστή 1.50 εάν είναι δυσμενείς και δεν λαμβάνονται υπόψη εάν είναι ευμενείς, ενώ μεταξύ τους συνδυάζονται με τους συντελεστές ψ του κανονισμού Οπλισμένου Σκυροδέματος.

Στο συνδυασμό για έλεγχο ρηγμάτωσης, οι μόνιμες δράσεις πολλαπλασιάζονται με συντελεστή 1.00 είτε είναι δυσμενείς είτε είναι ευμενείς. Οι δράσεις των κινητών φορτίων και οι θερμοκρασιακές δράσεις πολλαπλασιάζονται με συντελεστή 1.00 εάν είναι δυσμενείς και δεν λαμβάνονται υπόψη όταν είναι ευμενείς, ενώ μεταξύ τους συνδυάζονται με τους συντελεστές ψ του κανονισμού οπλισμένου σκυροδέματος.

Στους συνδυασμούς με σεισμό, οι μόνιμες δράσεις πολλαπλασιάζονται με συντελεστή 1.00 είτε είναι δυσμενείς είτε είναι ευμενείς. Οι δράσεις των κινητών φορτίων πολλαπλασιάζονται με συντελεστή 0.20 εάν είναι δυσμενείς και δεν λαμβάνονται υπόψη όταν δρουν ευμενώς. Μεταξύ τους οι δράσεις συνδυάζονται με τους συντελεστές ψ του κανονισμού οπλισμένου σκυροδέματος.

3.7 ΥΠΟΛΟΓΙΣΜΟΣ ΟΠΛΙΣΜΟΥ

Ο υπολογισμός του οπλισμού γίνεται για τους συνδυασμούς χωρίς σεισμό και με σεισμό.
Ο έλεγχος σε ρηγμάτωση γίνεται για εύρος ρωγμής 0.20mm, ανάλογα και με τη διάμετρο του οπλισμού που χρησιμοποιείται. Στον έλεγχο λαμβάνεται υπόψη ο οπλισμός που προέκυψε για τους συνδυασμούς χωρίς σεισμό. Εάν από τον έλεγχο έναντι ρηγμάτωσης προκύψει μεγαλύτερος οπλισμός, τότε αντικαθίσταται ο υπάρχων με το νέο. Διαφορετικά διατηρείται ο υπάρχων.

4 – ΑΠΟΤΕΛΕΣΜΑΤΑ ΥΠΟΛΟΓΙΣΜΩΝ

Στη συνέχεια παρατίθενται τα αναλυτικά αποτελέσματα της στατικής επίλυσης του προσομοιώματος με το πρόγραμμα SOFiSTiK:

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Nodal Coordinates and Supports

Number	X[m]	Y[m]	Z[m]	Support Conditions
1	1.450	0.337	0.000	
2	1.450	0.675	0.000	
3	1.450	1.012	0.000	
4	0.363	0.000	0.000	
5	0.725	0.000	0.000	
6	1.088	0.000	0.000	
7	0.000	1.012	0.000	
8	0.000	0.675	0.000	
9	0.000	0.337	0.000	
10	1.087	1.350	0.000	
11	0.725	1.350	0.000	
12	0.362	1.350	0.000	
13	0.000	0.000	0.000	
14	0.362	0.337	0.000	
15	0.362	0.675	0.000	
16	0.362	1.012	0.000	
17	0.000	1.350	0.000	
18	0.725	0.337	0.000	
19	0.725	0.675	0.000	
20	0.725	1.012	0.000	
21	1.087	0.337	0.000	
22	1.087	0.675	0.000	
23	1.087	1.012	0.000	
24	1.450	0.000	0.000	
25	1.450	1.350	0.000	
26	1.087	2.700	0.000	
27	0.725	2.700	0.000	
28	0.362	2.700	0.000	
29	1.450	1.687	0.000	
30	1.450	2.025	0.000	
31	1.450	2.362	0.000	
32	0.000	2.362	0.000	
33	0.000	2.025	0.000	
34	0.000	1.687	0.000	
35	1.087	1.687	0.000	
36	0.725	1.687	0.000	
37	0.362	1.687	0.000	
38	1.087	2.025	0.000	
39	0.725	2.025	0.000	
40	0.362	2.025	0.000	
41	1.087	2.362	0.000	
42	0.725	2.362	0.000	
43	0.362	2.362	0.000	
44	1.450	2.700	0.000	
45	0.000	2.700	0.000	
46	2.930	2.700	0.000	
47	2.560	2.700	0.000	
48	2.190	2.700	0.000	
49	1.820	2.700	0.000	
50	3.300	1.687	0.000	
51	3.300	2.025	0.000	
52	3.300	2.362	0.000	
53	1.820	1.350	0.000	
54	2.190	1.350	0.000	
55	2.560	1.350	0.000	
56	2.930	1.350	0.000	
57	3.300	1.350	0.000	
58	2.930	1.687	0.000	
59	2.560	1.687	0.000	
60	2.190	1.687	0.000	
61	1.820	1.687	0.000	
62	2.930	2.025	0.000	
63	2.560	2.025	0.000	
64	2.190	2.025	0.000	
65	1.820	2.025	0.000	
66	2.930	2.362	0.000	
67	2.560	2.362	0.000	
68	2.190	2.362	0.000	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
69	1.820	2.362	0.000	
70	3.300	2.700	0.000	
71	3.300	0.337	0.000	
72	3.300	0.675	0.000	
73	3.300	1.012	0.000	
74	1.820	0.000	0.000	
75	2.190	0.000	0.000	
76	2.560	0.000	0.000	
77	2.930	0.000	0.000	
78	3.300	0.000	0.000	
79	2.930	0.337	0.000	
80	2.560	0.337	0.000	
81	2.190	0.337	0.000	
82	1.820	0.337	0.000	
83	2.930	0.675	0.000	
84	2.560	0.675	0.000	
85	2.190	0.675	0.000	
86	1.820	0.675	0.000	
87	2.930	1.012	0.000	
88	2.560	1.012	0.000	
89	2.190	1.012	0.000	
90	1.820	1.012	0.000	
91	1.088	0.000	1.800	
92	0.725	0.000	1.800	
93	0.363	0.000	1.800	
94	1.450	0.000	0.450	
95	1.450	0.000	0.900	
96	1.450	0.000	1.350	
97	0.000	0.000	1.350	
98	0.000	0.000	0.900	
99	0.000	0.000	0.450	
100	1.088	0.000	0.450	
101	0.725	0.000	0.450	
102	0.363	0.000	0.450	
103	1.088	0.000	0.900	
104	0.725	0.000	0.900	
105	0.363	0.000	0.900	
106	1.088	0.000	1.350	
107	0.725	0.000	1.350	
108	0.363	0.000	1.350	
109	1.450	0.000	1.800	
110	0.000	0.000	1.800	
111	3.300	0.000	0.450	
112	3.300	0.000	0.900	
113	3.300	0.000	1.350	
114	2.930	0.000	1.800	
115	2.560	0.000	1.800	
116	2.190	0.000	1.800	
117	1.820	0.000	1.800	
118	1.820	0.000	0.450	
119	1.820	0.000	0.900	
120	1.820	0.000	1.350	
121	2.190	0.000	0.450	
122	2.190	0.000	0.900	
123	2.190	0.000	1.350	
124	2.560	0.000	0.450	
125	2.560	0.000	0.900	
126	2.560	0.000	1.350	
127	2.930	0.000	0.450	
128	2.930	0.000	0.900	
129	2.930	0.000	1.350	
130	3.300	0.000	1.800	
131	1.088	0.000	3.950	
132	0.725	0.000	3.950	
133	0.363	0.000	3.950	
134	1.450	0.000	2.158	
135	1.450	0.000	2.517	
136	1.450	0.000	2.875	
137	1.450	0.000	3.233	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X[m]	Y[m]	Z[m]	Support Conditions
138	1.450	0.000	3.592	
139	0.000	0.000	3.592	
140	0.000	0.000	3.233	
141	0.000	0.000	2.875	
142	0.000	0.000	2.517	
143	0.000	0.000	2.158	
144	1.088	0.000	2.158	
145	0.725	0.000	2.158	
146	0.363	0.000	2.158	
147	1.088	0.000	2.517	
148	0.725	0.000	2.517	
149	0.363	0.000	2.517	
150	1.088	0.000	2.875	
151	0.725	0.000	2.875	
152	0.363	0.000	2.875	
153	1.088	0.000	3.233	
154	0.725	0.000	3.233	
155	0.363	0.000	3.233	
156	1.088	0.000	3.592	
157	0.725	0.000	3.592	
158	0.363	0.000	3.592	
159	1.450	0.000	3.950	
160	0.000	0.000	3.950	
161	2.930	0.000	3.950	
162	2.575	0.000	3.950	
163	2.190	0.000	3.950	
164	1.820	0.000	3.950	
165	3.300	0.000	2.158	
166	3.300	0.000	2.517	
167	3.300	0.000	2.875	
168	3.300	0.000	3.233	
169	3.300	0.000	3.592	
170	2.930	0.000	2.158	
171	2.560	0.000	2.158	
172	2.190	0.000	2.158	
173	1.820	0.000	2.158	
174	2.930	0.000	2.517	
175	2.560	0.000	2.517	
176	2.190	0.000	2.517	
177	1.820	0.000	2.517	
178	2.930	0.000	2.875	
179	2.560	0.000	2.875	
180	2.190	0.000	2.875	
181	1.820	0.000	2.875	
182	2.930	0.000	3.233	
183	2.560	0.000	3.233	
184	2.190	0.000	3.233	
185	1.820	0.000	3.233	
186	2.930	0.000	3.592	
187	2.560	0.000	3.592	
188	2.190	0.000	3.592	
189	1.820	0.000	3.592	
190	3.300	0.000	3.950	
220	3.300	1.012	1.800	
221	3.300	0.675	1.800	
222	3.300	0.337	1.800	
223	3.300	1.350	0.450	
224	3.300	1.350	0.900	
225	3.300	1.350	1.350	
226	3.300	1.012	0.450	
227	3.300	0.675	0.450	
228	3.300	0.337	0.450	
229	3.300	1.012	0.900	
230	3.300	0.675	0.900	
231	3.300	0.337	0.900	
232	3.300	1.012	1.350	
233	3.300	0.675	1.350	
234	3.300	0.337	1.350	
235	3.300	1.350	1.800	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X[m]	Y[m]	Z[m]	Support Conditions
236	3.300	2.363	1.800	
237	3.300	2.075	1.800	
238	3.300	1.687	1.800	
239	3.300	2.700	0.450	
240	3.300	2.700	0.900	
241	3.300	2.700	1.350	
242	3.300	2.363	0.450	
243	3.300	2.025	0.450	
244	3.300	1.687	0.450	
245	3.300	2.363	0.900	
246	3.300	2.025	0.900	
247	3.300	1.687	0.900	
248	3.300	2.363	1.350	
249	3.300	2.025	1.350	
250	3.300	1.687	1.350	
251	3.300	2.700	1.800	
252	3.300	1.012	3.950	
253	3.300	0.675	3.950	
254	3.300	0.337	3.950	
255	3.300	1.350	2.158	
256	3.300	1.350	2.517	
257	3.300	1.350	2.875	
258	3.300	1.350	3.233	
259	3.300	1.350	3.592	
260	3.300	1.012	2.158	
261	3.300	0.675	2.158	
262	3.300	0.337	2.158	
263	3.300	0.000	1.801	
264	3.300	1.012	2.517	
265	3.300	0.675	2.517	
266	3.300	0.337	2.517	
267	3.300	1.012	2.875	
268	3.300	0.675	2.875	
269	3.300	0.337	2.875	
270	3.300	1.012	3.233	
271	3.300	0.675	3.233	
272	3.300	0.337	3.233	
273	3.300	1.012	3.592	
274	3.300	0.675	3.592	
275	3.300	0.337	3.592	
276	3.300	1.350	3.950	
277	3.300	2.362	3.950	
278	3.300	2.025	3.950	
279	3.300	1.687	3.950	
280	3.300	2.700	2.158	
281	3.300	2.700	2.517	
282	3.300	2.700	2.875	
283	3.300	2.700	3.233	
284	3.300	2.700	3.592	
285	3.300	2.363	2.158	
286	3.300	2.025	2.158	
287	3.300	1.688	2.158	
288	3.300	2.363	2.517	
289	3.300	2.025	2.517	
290	3.300	1.687	2.517	
291	3.300	2.363	2.875	
292	3.300	2.025	2.875	
293	3.300	1.687	2.875	
294	3.300	2.363	3.233	
295	3.300	2.025	3.233	
296	3.300	1.687	3.233	
297	3.300	2.362	3.592	
298	3.300	2.025	3.592	
299	3.300	1.687	3.592	
300	3.300	2.700	3.950	
301	1.820	2.700	1.800	
302	2.190	2.700	1.800	
303	2.560	2.700	1.800	
304	2.930	2.700	1.800	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
305	1.450	2.700	0.450	
306	1.450	2.700	0.900	
307	1.450	2.700	1.350	
308	1.820	2.700	0.450	
309	2.190	2.700	0.450	
310	2.560	2.700	0.450	
311	2.930	2.700	0.450	
312	1.820	2.700	0.900	
313	2.190	2.700	0.900	
314	2.560	2.700	0.900	
315	2.930	2.700	0.900	
316	1.820	2.700	1.350	
317	2.190	2.700	1.350	
318	2.560	2.700	1.350	
319	2.930	2.700	1.350	
320	1.450	2.700	1.800	
321	0.362	2.700	1.800	
322	0.725	2.700	1.800	
323	1.087	2.700	1.800	
324	0.000	2.700	0.450	
325	0.000	2.700	0.900	
326	0.000	2.700	1.350	
327	0.362	2.700	0.450	
328	0.725	2.700	0.450	
329	1.087	2.700	0.450	
330	0.362	2.700	0.900	
331	0.725	2.700	0.900	
332	1.087	2.700	0.900	
333	0.362	2.700	1.350	
334	0.725	2.700	1.350	
335	1.087	2.700	1.350	
336	0.000	2.700	1.800	
337	1.820	2.700	3.950	
338	2.190	2.700	3.950	
339	2.575	2.700	3.950	
340	2.930	2.700	3.950	
341	1.450	2.700	2.158	
342	1.450	2.700	2.517	
343	1.450	2.700	2.875	
344	1.450	2.700	3.233	
345	1.450	2.700	3.592	
346	1.820	2.700	2.158	
347	2.190	2.700	2.158	
348	2.560	2.700	2.158	
349	2.930	2.700	2.158	
350	1.820	2.700	2.517	
351	2.190	2.700	2.517	
352	2.560	2.700	2.517	
353	2.930	2.700	2.517	
354	1.820	2.700	2.875	
355	2.190	2.700	2.875	
356	2.560	2.700	2.875	
357	2.930	2.700	2.875	
358	1.820	2.700	3.233	
359	2.190	2.700	3.233	
360	2.560	2.700	3.233	
361	2.930	2.700	3.233	
362	1.820	2.700	3.592	
363	2.190	2.700	3.592	
364	2.560	2.700	3.592	
365	2.930	2.700	3.592	
366	1.450	2.700	3.950	
367	0.362	2.700	3.950	
368	0.825	2.700	3.950	
369	1.087	2.700	3.950	
370	0.000	2.700	2.158	
371	0.000	2.700	2.517	
372	0.000	2.700	2.875	
373	0.000	2.700	3.233	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
374	0.000	2.700	3.592	
375	0.362	2.700	2.158	
376	0.725	2.700	2.158	
377	1.087	2.700	2.158	
378	0.362	2.700	2.517	
379	0.725	2.700	2.517	
380	1.087	2.700	2.517	
381	0.362	2.700	2.875	
382	0.725	2.700	2.875	
383	1.087	2.700	2.875	
384	0.362	2.700	3.233	
385	0.725	2.700	3.233	
386	1.087	2.700	3.233	
387	0.362	2.700	3.592	
388	0.725	2.700	3.592	
389	1.087	2.700	3.592	
390	0.000	2.700	3.950	
391	0.000	1.687	1.800	
392	0.000	2.025	1.800	
393	0.000	2.362	1.800	
394	0.000	1.350	0.450	
395	0.000	1.450	1.070	
396	0.000	1.450	1.230	
397	0.000	1.687	0.450	
398	0.000	2.025	0.450	
399	0.000	2.362	0.450	
400	0.000	1.687	0.900	
401	0.000	2.025	0.900	
402	0.000	2.362	0.900	
403	0.000	1.687	1.350	
404	0.000	2.025	1.350	
405	0.000	2.362	1.350	
406	0.000	1.350	1.800	
407	0.000	0.337	1.800	
408	0.000	0.675	1.800	
409	0.000	1.012	1.800	
410	0.000	0.337	0.450	
411	0.000	0.675	0.450	
412	0.000	1.012	0.450	
413	0.000	0.337	0.900	
414	0.000	0.675	0.900	
415	0.000	1.250	1.070	
416	0.000	0.337	1.350	
417	0.000	0.675	1.350	
418	0.000	1.250	1.230	
419	0.000	1.687	3.950	
420	0.000	1.875	3.950	
421	0.000	2.362	3.950	
422	0.000	1.350	2.158	
423	0.000	1.350	2.517	
424	0.000	1.350	2.875	
425	0.000	1.350	3.233	
426	0.000	1.350	3.592	
427	0.000	1.687	2.158	
428	0.000	2.025	2.158	
429	0.000	2.362	2.158	
430	0.000	1.687	2.517	
431	0.000	2.025	2.517	
432	0.000	2.362	2.517	
433	0.000	1.687	2.875	
434	0.000	2.025	2.875	
435	0.000	2.362	2.875	
436	0.000	1.687	3.233	
437	0.000	2.025	3.233	
438	0.000	2.362	3.233	
439	0.000	1.687	3.592	
440	0.000	2.025	3.592	
441	0.000	2.362	3.592	
442	0.000	1.350	3.950	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X[m]	Y[m]	Z[m]	Support Conditions
443	0.000	0.337	3.950	
444	0.000	0.675	3.950	
445	0.000	1.012	3.950	
446	0.000	0.337	2.158	
447	0.000	0.675	2.158	
448	0.000	1.012	2.158	
449	0.000	0.337	2.517	
450	0.000	0.675	2.517	
451	0.000	1.012	2.517	
452	0.000	0.337	2.875	
453	0.000	0.675	2.875	
454	0.000	1.012	2.875	
455	0.000	0.337	3.233	
456	0.000	0.675	3.233	
457	0.000	1.012	3.233	
458	0.000	0.337	3.592	
459	0.000	0.675	3.592	
460	0.000	1.012	3.592	
461	1.450	1.687	1.800	
462	1.450	2.025	1.800	
463	1.450	2.362	1.800	
464	1.450	1.350	0.450	
465	1.450	1.350	0.900	
466	1.450	1.350	1.350	
467	1.450	1.687	0.450	
468	1.450	2.025	0.450	
469	1.450	2.362	0.450	
470	1.450	1.687	0.900	
471	1.450	2.100	1.070	
472	1.450	2.300	1.070	
473	1.450	1.687	1.350	
474	1.450	2.100	1.230	
475	1.450	2.300	1.230	
476	1.450	1.350	1.800	
477	1.450	0.337	1.800	
478	1.450	0.675	1.800	
479	1.450	1.012	1.800	
480	1.450	0.337	0.450	
481	1.450	0.675	0.450	
482	1.450	1.012	0.450	
483	1.450	0.400	1.070	
484	1.450	0.600	1.070	
485	1.450	1.012	0.900	
486	1.450	0.400	1.230	
487	1.450	0.600	1.230	
488	1.450	1.012	1.350	
489	1.450	1.775	3.950	
490	1.450	2.025	3.950	
491	1.450	2.362	3.950	
492	1.450	1.350	2.158	
493	1.450	1.350	2.517	
494	1.450	1.350	2.875	
495	1.450	1.350	3.233	
496	1.450	1.350	3.592	
497	1.450	1.687	2.158	
498	1.450	2.025	2.158	
499	1.450	2.362	2.158	
500	1.450	1.687	2.517	
501	1.450	2.025	2.517	
502	1.450	2.362	2.517	
503	1.450	1.687	2.875	
504	1.450	2.025	2.875	
505	1.450	2.362	2.875	
506	1.450	1.687	3.233	
507	1.450	2.025	3.233	
508	1.450	2.362	3.233	
509	1.450	1.687	3.592	
510	1.450	2.025	3.592	
511	1.450	2.362	3.592	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
512	1.450	1.350	3.950	
513	1.450	0.337	3.950	
514	1.450	0.675	3.950	
515	1.450	0.925	3.950	
516	1.450	0.337	2.158	
517	1.450	0.675	2.158	
518	1.450	1.012	2.158	
519	1.450	0.337	2.517	
520	1.450	0.675	2.517	
521	1.450	1.012	2.517	
522	1.450	0.337	2.875	
523	1.450	0.675	2.875	
524	1.450	1.012	2.875	
525	1.450	0.337	3.233	
526	1.450	0.675	3.233	
527	1.450	1.012	3.233	
528	1.450	0.337	3.592	
529	1.450	0.675	3.592	
530	1.450	1.012	3.592	
531	2.930	1.350	1.800	
532	2.560	1.350	1.800	
533	2.190	1.350	1.800	
534	1.820	1.350	1.800	
535	2.930	1.350	0.450	
536	2.500	1.350	0.400	
537	2.250	1.350	0.400	
538	1.820	1.350	0.450	
539	2.930	1.350	0.900	
540	2.500	1.350	0.650	
541	2.250	1.350	0.650	
542	1.820	1.350	0.900	
543	2.930	1.350	1.350	
544	2.560	1.350	1.350	
545	2.190	1.350	1.350	
546	1.820	1.350	1.350	
547	2.930	1.350	3.950	
548	2.560	1.350	3.950	
549	2.190	1.350	3.950	
550	1.820	1.350	3.950	
551	2.930	1.350	2.158	
552	2.560	1.350	2.158	
553	2.190	1.350	2.158	
554	1.820	1.350	2.158	
555	2.930	1.350	2.517	
556	2.560	1.350	2.517	
557	2.190	1.350	2.517	
558	1.820	1.350	2.517	
559	2.930	1.350	2.875	
560	2.560	1.350	2.875	
561	2.190	1.350	2.875	
562	1.820	1.350	2.875	
563	2.930	1.350	3.233	
564	2.560	1.350	3.233	
565	2.190	1.350	3.233	
566	1.820	1.350	3.233	
567	2.930	1.350	3.592	
568	2.560	1.350	3.592	
569	2.190	1.350	3.592	
570	1.820	1.350	3.592	
571	5.020	0.000	1.800	
572	4.590	0.000	1.801	
573	4.160	0.000	1.801	
574	3.730	0.000	1.801	
575	5.450	1.012	1.800	
576	5.450	0.675	1.800	
577	5.450	0.337	1.800	
578	3.730	1.350	1.800	
579	4.160	1.350	1.800	
580	4.590	1.350	1.800	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X[m]	Y[m]	Z[m]	Support Conditions
581	5.020	1.350	1.800	
582	5.450	1.350	1.800	
583	5.020	1.012	1.799	
584	4.590	1.012	1.799	
585	4.160	1.012	1.800	
586	3.730	1.012	1.800	
587	5.020	0.675	1.800	
588	4.590	0.675	1.800	
589	4.160	0.675	1.800	
590	3.730	0.675	1.800	
591	5.020	0.337	1.800	
592	4.590	0.337	1.800	
593	4.160	0.337	1.801	
594	3.730	0.337	1.801	
595	5.450	0.000	1.800	
596	5.020	2.700	1.800	
597	4.590	2.700	1.800	
598	4.160	2.700	1.800	
599	3.925	2.700	1.800	
600	5.450	1.688	1.800	
601	5.450	2.025	1.800	
602	5.450	2.363	1.800	
603	5.020	1.688	1.800	
604	4.590	1.688	1.800	
605	4.160	1.687	1.800	
606	3.730	1.687	1.800	
607	5.020	2.025	1.800	
608	4.590	2.025	1.800	
609	4.160	2.025	1.800	
610	3.925	2.075	1.800	
611	5.020	2.363	1.800	
612	4.590	2.363	1.800	
613	4.160	2.363	1.800	
614	3.925	2.363	1.800	
615	5.450	2.700	1.800	
646	5.020	0.000	3.950	
647	4.590	0.000	3.950	
648	4.160	0.000	3.950	
649	3.730	0.000	3.950	
650	5.450	0.000	2.158	
651	5.450	0.000	2.517	
652	5.450	0.000	2.875	
653	5.450	0.000	3.233	
654	5.450	0.000	3.592	
655	5.020	0.000	2.158	
656	4.590	0.000	2.158	
657	4.160	0.000	2.158	
658	3.730	0.000	2.158	
659	5.020	0.000	2.517	
660	4.590	0.000	2.517	
661	4.160	0.000	2.517	
662	3.730	0.000	2.517	
663	5.020	0.000	2.875	
664	4.590	0.000	2.875	
665	4.160	0.000	2.875	
666	3.730	0.000	2.875	
667	5.020	0.000	3.233	
668	4.590	0.000	3.233	
669	4.160	0.000	3.233	
670	3.730	0.000	3.233	
671	5.020	0.000	3.592	
672	4.590	0.000	3.592	
673	4.160	0.000	3.592	
674	3.730	0.000	3.592	
675	5.450	0.000	3.950	
676	5.450	1.012	3.950	
677	5.450	0.675	3.950	
678	5.450	0.337	3.950	
679	5.450	1.350	2.158	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
680	5.450	1.350	2.517	
681	5.450	1.350	2.875	
682	5.450	1.350	3.233	
683	5.450	1.350	3.592	
684	5.450	1.012	2.158	
685	5.450	0.675	2.158	
686	5.450	0.337	2.158	
687	5.450	1.012	2.517	
688	5.450	0.675	2.517	
689	5.450	0.337	2.517	
690	5.450	1.012	2.875	
691	5.450	0.675	2.875	
692	5.450	0.337	2.875	
693	5.450	1.012	3.233	
694	5.450	0.675	3.233	
695	5.450	0.337	3.233	
696	5.450	1.012	3.592	
697	5.450	0.675	3.592	
698	5.450	0.337	3.592	
699	5.450	1.350	3.950	
700	5.450	2.363	3.950	
701	5.450	1.875	3.950	
702	5.450	1.688	3.950	
703	5.450	2.700	2.158	
704	5.450	2.700	2.517	
705	5.450	2.700	2.875	
706	5.450	2.700	3.233	
707	5.450	2.700	3.592	
708	5.450	2.363	2.158	
709	5.450	2.025	2.158	
710	5.450	1.688	2.158	
711	5.450	2.363	2.517	
712	5.450	2.025	2.517	
713	5.450	1.688	2.517	
714	5.450	2.363	2.875	
715	5.450	2.025	2.875	
716	5.450	1.688	2.875	
717	5.450	2.363	3.233	
718	5.450	2.025	3.233	
719	5.450	1.688	3.233	
720	5.450	2.363	3.592	
721	5.450	2.025	3.592	
722	5.450	1.688	3.592	
723	5.450	2.700	3.950	
724	3.730	2.700	3.950	
725	4.160	2.700	3.950	
726	4.625	2.700	3.950	
727	5.020	2.700	3.950	
728	3.730	2.700	2.158	
729	4.160	2.700	2.158	
730	4.590	2.700	2.158	
731	5.020	2.700	2.158	
732	3.730	2.700	2.517	
733	4.160	2.700	2.517	
734	4.590	2.700	2.517	
735	5.020	2.700	2.517	
736	3.730	2.700	2.875	
737	4.160	2.700	2.875	
738	4.590	2.700	2.875	
739	5.020	2.700	2.875	
740	3.730	2.700	3.233	
741	4.160	2.700	3.233	
742	4.590	2.700	3.233	
743	5.020	2.700	3.233	
744	3.730	2.700	3.592	
745	4.160	2.700	3.592	
746	4.590	2.700	3.592	
747	5.020	2.700	3.592	
748	0.362	1.350	3.950	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
749	0.725	1.350	3.950	
750	1.087	1.350	3.950	
751	1.087	1.687	3.950	
752	0.825	1.687	3.950	
753	0.362	1.687	3.950	
754	1.087	1.875	3.950	
755	0.825	1.875	3.950	
756	0.362	1.875	3.950	
757	1.087	2.362	3.950	
758	0.825	2.362	3.950	
759	0.362	2.362	3.950	
760	1.088	0.337	3.950	
761	0.725	0.337	3.950	
762	0.362	0.337	3.950	
763	1.087	0.675	3.950	
764	0.725	0.675	3.950	
765	0.362	0.675	3.950	
766	1.087	1.012	3.950	
767	0.725	1.012	3.950	
768	0.362	1.012	3.950	
769	2.930	1.687	3.950	
770	2.575	1.775	3.950	
771	2.190	1.775	3.950	
772	1.820	1.775	3.950	
773	2.930	2.025	3.950	
774	2.575	2.025	3.950	
775	2.190	2.025	3.950	
776	1.820	2.025	3.950	
777	2.930	2.362	3.950	
778	2.575	2.362	3.950	
779	2.190	2.362	3.950	
780	1.820	2.362	3.950	
781	2.930	0.337	3.950	
782	2.575	0.337	3.950	
783	2.190	0.337	3.950	
784	1.820	0.337	3.950	
785	2.930	0.675	3.950	
786	2.575	0.675	3.950	
787	2.190	0.675	3.950	
788	1.820	0.675	3.950	
789	2.930	1.012	3.950	
790	2.575	0.925	3.950	
791	2.190	0.925	3.950	
792	1.820	0.925	3.950	
793	3.730	1.350	3.950	
794	4.160	1.350	3.950	
795	4.590	1.350	3.950	
796	5.020	1.350	3.950	
797	5.020	1.687	3.950	
798	4.590	1.687	3.950	
799	4.160	1.687	3.950	
800	3.730	1.687	3.950	
801	5.020	1.875	3.950	
802	4.625	1.875	3.950	
803	4.160	2.025	3.950	
804	3.730	2.025	3.950	
805	5.020	2.363	3.950	
806	4.625	2.363	3.950	
807	4.160	2.362	3.950	
808	3.730	2.362	3.950	
809	5.020	0.337	3.950	
810	4.590	0.337	3.950	
811	4.160	0.337	3.950	
812	3.730	0.337	3.950	
813	5.020	0.675	3.950	
814	4.590	0.675	3.950	
815	4.160	0.675	3.950	
816	3.730	0.675	3.950	
817	5.020	1.012	3.950	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Number	X [m]	Y [m]	Z [m]	Support Conditions
818	4.590	1.012	3.950	
819	4.160	1.012	3.950	
820	3.730	1.012	3.950	
MIN	0.000	0.000	0.000	
MAX	5.450	2.700	3.950	

Materials

No. 1 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50 [-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50 [MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00 [MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90 [MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03 [MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77 [MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04 [MPa]
			Compr.failure energy		20.00 [kN/m]
			Tens.failure energy		0.05 [kN/m]
			Friction in crack		0.20 [-]

No. 2 S 500 (EC 2)

Youngs-modulus	200000	[MPa]	Safetyfactor		1.15 [-]
Poisson-Ratio	0.30	[-]	Yield stress	fy	500.00 [MPa]
Shear-modulus	76923	[MPa]	Compr.yield val.	fyc	500.00 [MPa]
Compression modulus	166667	[MPa]	Tens. strength	ft	550.00 [MPa]
Weight	78.5	[kN/m3]	Compr. strength	fc	550.00 [MPa]
Weight buoyancy	0.0	[kN/m3]	Ultim. plast. strain		50.00 [o/oo]
Temp.elongat.coeff.	1.20E-05	[-]	realtive bond coeff.		1.00 [-]
			EC2 bondcoeff. K1		0.80 [-]
			Hardening modulus		0.00 [MPa]
			Dynamic stress range		0.00 [MPa]

No. 11 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50 [-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50 [MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00 [MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90 [MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03 [MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77 [MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04 [MPa]
			Compr.failure energy		20.00 [kN/m]
			Tens.failure energy		0.05 [kN/m]
			Friction in crack		0.20 [-]

No. 12 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50 [-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50 [MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00 [MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90 [MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03 [MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77 [MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04 [MPa]
			Compr.failure energy		20.00 [kN/m]
			Tens.failure energy		0.05 [kN/m]
			Friction in crack		0.20 [-]

No. 13 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50 [-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50 [MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00 [MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90 [MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03 [MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77 [MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04 [MPa]
			Compr.failure energy		20.00 [kN/m]
			Tens.failure energy		0.05 [kN/m]
			Friction in crack		0.20 [-]

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

No. 14 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50	[-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50	[MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00	[MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90	[MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03	[MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77	[MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04	[MPa]
			Compr.failure energy		20.00	[kN/m]
			Tens.failure energy		0.05	[kN/m]
			Friction in crack		0.20	[-]

No. 15 C 30 (EC 2)

Youngs-modulus	31939	[MPa]	Safetyfactor		1.50	[-]
Poisson-Ratio	0.20	[-]	Strength	fc	25.50	[MPa]
Shear-modulus	13308	[MPa]	Nomin. strength	fcn	30.00	[MPa]
Compression modulus	17744	[MPa]	Tens. strength	fctm	2.90	[MPa]
Weight	25.0	[kN/m3]	Tens. strength	fctk	2.03	[MPa]
Weight buoyancy	0.0	[kN/m3]	Tens. strength	fctk	3.77	[MPa]
Temp.elongat.coeff.	1.00E-05	[-]	Bond strength	fbd	3.04	[MPa]
			Compr.failure energy		20.00	[kN/m]
			Tens.failure energy		0.05	[kN/m]
			Friction in crack		0.20	[-]

Elastic bedding

No.	Cs[kN/m3]	Ct[kN/m3]	ft[MPa]	fy[MPa]	tan[-]	c[MPa]	dil[-]	w[kN/m3]
11	1.0000E-05	1.0000E-05	0.00	0.00	0.00	0.00	0.00	0.0
12	1.0000E-05	1.0000E-05	0.00	0.00	0.00	0.00	0.00	0.0
13	1.0000E-05	1.0000E-05	0.00	0.00	0.00	0.00	0.00	0.0
14	1.0000E-05	1.0000E-05	0.00	0.00	0.00	0.00	0.00	0.0

Cs = Elastic bedding Ct = Elastic bedding ft = Tens. strength ft
fy = Yield stress fy
tan = Friction coefficient
c = Cohesion
dil = Dilatancy coefficient
w = Mass density

Input for groups

No	MNo	Mrf	Ansatz	Posi	Direction x-axis	Thick [cm]
0	1	2	1+2+4	Center	0.00	0.200
1	1	2	1+2+4	Center	0.00	0.200
2	1	2	1+2+4	Center	0.00	0.200
3	1	2	1+2+4	Center	0.00	0.200
4	1	2	1+2+4	Center	0.00	0.200
5	1	2	1+2+4	Center	0.00	0.200
6	1	2	1+2+4	Center	0.00	0.200
7	1	2	1+2+4	Center	0.00	0.200
8	1	2	1+2+4	Center	0.00	0.200
9	1	2	1+2+4	Center	0.00	0.200
10	1	2	1+2+4	Center	0.00	0.200
11	1	2	1+2+4	Center	0.00	0.200
12	1	2	1+2+4	Center	0.00	0.200
13	1	2	1+2+4	Center	0.00	0.200

Legend for Ansatz: 1 = Plate Stiffness
2 = Membrane Stiffness
4 = in-plane Rotation

Flat Elements

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
0	1	13	4	14	9	1	25.00		1.000	0.000	0.000
0	2	9	14	15	8	1	25.00		1.000	0.000	0.000
0	3	8	15	16	7	1	25.00		1.000	0.000	0.000
0	4	7	16	12	17	1	25.00		1.000	0.000	0.000
0	5	4	5	18	14	1	25.00		1.000	0.000	0.000
0	6	14	18	19	15	1	25.00		1.000	0.000	0.000
0	7	15	19	20	16	1	25.00		1.000	0.000	0.000
0	8	16	20	11	12	1	25.00		1.000	0.000	0.000
0	9	5	6	21	18	1	25.00		1.000	0.000	0.000
0	10	18	21	22	19	1	25.00		1.000	0.000	0.000
0	11	19	22	23	20	1	25.00		1.000	0.000	0.000
0	12	20	23	10	11	1	25.00		1.000	0.000	0.000
0	13	6	24	1	21	1	25.00		1.000	0.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
0	14	21	1	2	22	1	25.00		1.000	0.000	0.000
0	15	22	2	3	23	1	25.00		1.000	0.000	0.000
0	16	23	3	25	10	1	25.00		1.000	0.000	0.000
0	17	25	29	35	10	1	25.00		1.000	0.000	0.000
0	18	10	35	36	11	1	25.00		1.000	0.000	0.000
0	19	11	36	37	12	1	25.00		1.000	0.000	0.000
0	20	12	37	34	17	1	25.00		1.000	0.000	0.000
0	21	29	30	38	35	1	25.00		1.000	0.000	0.000
0	22	35	38	39	36	1	25.00		1.000	0.000	0.000
0	23	36	39	40	37	1	25.00		1.000	0.000	0.000
0	24	37	40	33	34	1	25.00		1.000	0.000	0.000
0	25	30	31	41	38	1	25.00		1.000	0.000	0.000
0	26	38	41	42	39	1	25.00		1.000	0.000	0.000
0	27	39	42	43	40	1	25.00		1.000	0.000	0.000
0	28	40	43	32	33	1	25.00		1.000	0.000	0.000
0	29	31	44	26	41	1	25.00		1.000	0.000	0.000
0	30	41	26	27	42	1	25.00		1.000	0.000	0.000
0	31	42	27	28	43	1	25.00		1.000	0.000	0.000
0	32	43	28	45	32	1	25.00		1.000	0.000	0.000
0	33	57	50	58	56	1	25.00		1.000	0.000	0.000
0	34	56	58	59	55	1	25.00		1.000	0.000	0.000
0	35	55	59	60	54	1	25.00		1.000	0.000	0.000
0	36	54	60	61	53	1	25.00		1.000	0.000	0.000
0	37	53	61	29	25	1	25.00		1.000	0.000	0.000
0	38	50	51	62	58	1	25.00		1.000	0.000	0.000
0	39	58	62	63	59	1	25.00		1.000	0.000	0.000
0	40	59	63	64	60	1	25.00		1.000	0.000	0.000
0	41	60	64	65	61	1	25.00		1.000	0.000	0.000
0	42	61	65	30	29	1	25.00		1.000	0.000	0.000
0	43	51	52	66	62	1	25.00		1.000	0.000	0.000
0	44	62	66	67	63	1	25.00		1.000	0.000	0.000
0	45	63	67	68	64	1	25.00		1.000	0.000	0.000
0	46	64	68	69	65	1	25.00		1.000	0.000	0.000
0	47	65	69	31	30	1	25.00		1.000	0.000	0.000
0	48	52	70	46	66	1	25.00		1.000	0.000	0.000
0	49	66	46	47	67	1	25.00		1.000	0.000	0.000
0	50	67	47	48	68	1	25.00		1.000	0.000	0.000
0	51	68	48	49	69	1	25.00		1.000	0.000	0.000
0	52	69	49	44	31	1	25.00		1.000	0.000	0.000
0	53	78	71	79	77	1	25.00		1.000	0.000	0.000
0	54	77	79	80	76	1	25.00		1.000	0.000	0.000
0	55	76	80	81	75	1	25.00		1.000	0.000	0.000
0	56	75	81	82	74	1	25.00		1.000	0.000	0.000
0	57	74	82	1	24	1	25.00		1.000	0.000	0.000
0	58	71	72	83	79	1	25.00		1.000	0.000	0.000
0	59	79	83	84	80	1	25.00		1.000	0.000	0.000
0	60	80	84	85	81	1	25.00		1.000	0.000	0.000
0	61	81	85	86	82	1	25.00		1.000	0.000	0.000
0	62	82	86	2	1	1	25.00		1.000	0.000	0.000
0	63	72	73	87	83	1	25.00		1.000	0.000	0.000
0	64	83	87	88	84	1	25.00		1.000	0.000	0.000
0	65	84	88	89	85	1	25.00		1.000	0.000	0.000
0	66	85	89	90	86	1	25.00		1.000	0.000	0.000
0	67	86	90	3	2	1	25.00		1.000	0.000	0.000
0	68	73	57	56	87	1	25.00		1.000	0.000	0.000
0	69	87	56	55	88	1	25.00		1.000	0.000	0.000
0	70	88	55	54	89	1	25.00		1.000	0.000	0.000
0	71	89	54	53	90	1	25.00		1.000	0.000	0.000
0	72	90	53	25	3	1	25.00		1.000	0.000	0.000
1	10000	24	94	100	6	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10001	6	100	101	5	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10002	5	101	102	4	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10003	4	102	99	13	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10004	94	95	103	100	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10005	100	103	104	101	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10006	101	104	105	102	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10007	102	105	98	99	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10008	95	96	106	103	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10009	103	106	107	104	11	25.00	1.000E-05*	1.000	0.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
1	10010	104	107	108	105	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10011	105	108	97	98	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10012	96	109	91	106	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10013	106	91	92	107	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10014	107	92	93	108	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10015	108	93	110	97	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10016	24	74	118	94	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10017	94	118	119	95	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10018	95	119	120	96	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10019	96	120	117	109	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10020	74	75	121	118	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10021	118	121	122	119	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10022	119	122	123	120	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10023	120	123	116	117	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10024	75	76	124	121	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10025	121	124	125	122	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10026	122	125	126	123	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10027	123	126	115	116	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10028	76	77	127	124	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10029	124	127	128	125	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10030	125	128	129	126	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10031	126	129	114	115	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10032	77	78	111	127	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10033	127	111	112	128	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10034	128	112	113	129	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10035	129	113	130	114	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10036	109	134	144	91	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10037	91	144	145	92	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10038	92	145	146	93	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10039	93	146	143	110	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10040	134	135	147	144	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10041	144	147	148	145	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10042	145	148	149	146	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10043	146	149	142	143	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10044	135	136	150	147	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10045	147	150	151	148	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10046	148	151	152	149	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10047	149	152	141	142	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10048	136	137	153	150	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10049	150	153	154	151	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10050	151	154	155	152	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10051	152	155	140	141	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10052	137	138	156	153	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10053	153	156	157	154	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10054	154	157	158	155	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10055	155	158	139	140	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10056	138	159	131	156	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10057	156	131	132	157	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10058	157	132	133	158	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10059	158	133	160	139	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10060	130	165	170	114	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10061	114	170	171	115	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10062	115	171	172	116	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10063	116	172	173	117	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10064	117	173	134	109	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10065	165	166	174	170	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10066	170	174	175	171	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10067	171	175	176	172	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10068	172	176	177	173	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10069	173	177	135	134	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10070	166	167	178	174	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10071	174	178	179	175	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10072	175	179	180	176	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10073	176	180	181	177	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10074	177	181	136	135	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10075	167	168	182	178	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10076	178	182	183	179	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10077	179	183	184	180	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10078	180	184	185	181	11	25.00	1.000E-05*	1.000	0.000	0.000

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SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
1	10079	181	185	137	136	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10080	168	169	186	182	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10081	182	186	187	183	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10082	183	187	188	184	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10083	184	188	189	185	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10084	185	189	138	137	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10085	169	190	161	186	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10086	186	161	162	187	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10087	187	162	163	188	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10088	188	163	164	189	11	25.00	1.000E-05*	1.000	0.000	0.000
1	10089	189	164	159	138	11	25.00	1.000E-05*	1.000	0.000	0.000
2	20000	57	223	226	73	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20001	73	226	227	72	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20002	72	227	228	71	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20003	71	228	111	78	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20004	223	224	229	226	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20005	226	229	230	227	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20006	227	230	231	228	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20007	228	231	112	111	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20008	224	225	232	229	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20009	229	232	233	230	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20010	230	233	234	231	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20011	231	234	113	112	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20012	225	235	220	232	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20013	232	220	221	233	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20014	233	221	222	234	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20015	234	222	130	113	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20016	70	239	242	52	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20017	52	242	243	51	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20018	51	243	244	50	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20019	50	244	223	57	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20020	239	240	245	242	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20021	242	245	246	243	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20022	243	246	247	244	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20023	244	247	224	223	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20024	240	241	248	245	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20025	245	248	249	246	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20026	246	249	250	247	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20027	247	250	225	224	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20028	241	251	236	248	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20029	248	236	237	249	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20030	249	237	238	250	12	25.00	1.000E-05*	0.000	1.000	0.000
2	20031	250	238	235	225	12	25.00	1.000E-05*	0.000	1.000	0.000
3	30000	44	305	308	49	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30001	49	308	309	48	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30002	48	309	310	47	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30003	47	310	311	46	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30004	46	311	239	70	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30005	305	306	312	308	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30006	308	312	313	309	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30007	309	313	314	310	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30008	310	314	315	311	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30009	311	315	240	239	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30010	306	307	316	312	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30011	312	316	317	313	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30012	313	317	318	314	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30013	314	318	319	315	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30014	315	319	241	240	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30015	307	320	301	316	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30016	316	301	302	317	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30017	317	302	303	318	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30018	318	303	304	319	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30019	319	304	251	241	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30020	45	324	327	28	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30021	28	327	328	27	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30022	27	328	329	26	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30023	26	329	305	44	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30024	324	325	330	327	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30025	327	330	331	328	13	25.00	1.000E-05*	1.000	0.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
3	30026	328	331	332	329	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30027	329	332	306	305	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30028	325	326	333	330	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30029	330	333	334	331	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30030	331	334	335	332	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30031	332	335	307	306	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30032	326	336	321	333	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30033	333	321	322	334	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30034	334	322	323	335	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30035	335	323	320	307	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30036	320	341	346	301	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30037	301	346	347	302	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30038	302	347	348	303	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30039	303	348	349	304	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30040	304	349	280	251	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30041	341	342	350	346	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30042	346	350	351	347	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30043	347	351	352	348	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30044	348	352	353	349	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30045	349	353	281	280	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30046	342	343	354	350	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30047	350	354	355	351	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30048	351	355	356	352	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30049	352	356	357	353	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30050	353	357	282	281	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30051	343	344	358	354	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30052	354	358	359	355	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30053	355	359	360	356	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30054	356	360	361	357	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30055	357	361	283	282	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30056	344	345	362	358	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30057	358	362	363	359	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30058	359	363	364	360	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30059	360	364	365	361	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30060	361	365	284	283	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30061	345	366	337	362	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30062	362	337	338	363	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30063	363	338	339	364	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30064	364	339	340	365	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30065	365	340	300	284	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30066	336	370	375	321	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30067	321	375	376	322	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30068	322	376	377	323	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30069	323	377	341	320	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30070	370	371	378	375	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30071	375	378	379	376	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30072	376	379	380	377	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30073	377	380	342	341	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30074	371	372	381	378	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30075	378	381	382	379	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30076	379	382	383	380	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30077	380	383	343	342	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30078	372	373	384	381	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30079	381	384	385	382	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30080	382	385	386	383	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30081	383	386	344	343	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30082	373	374	387	384	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30083	384	387	388	385	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30084	385	388	389	386	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30085	386	389	345	344	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30086	374	390	367	387	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30087	387	367	368	388	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30088	388	368	369	389	13	25.00	1.000E-05*	1.000	0.000	0.000
3	30089	389	369	366	345	13	25.00	1.000E-05*	1.000	0.000	0.000
4	40000	17	394	397	34	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40001	34	397	398	33	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40002	33	398	399	32	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40003	32	399	324	45	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40004	394	395	400	397	14	25.00	1.000E-05*	0.000	-1.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
4	40005	397	400	401	398	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40006	398	401	402	399	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40007	399	402	325	324	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40008	395	396	403	400	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40009	400	403	404	401	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40010	401	404	405	402	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40011	402	405	326	325	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40012	396	406	391	403	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40013	403	391	392	404	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40014	404	392	393	405	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40015	405	393	336	326	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40016	13	99	410	9	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40017	9	410	411	8	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40018	8	411	412	7	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40019	7	412	394	17	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40020	99	98	413	410	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40021	410	413	414	411	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40022	411	414	415	412	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40023	412	415	395	394	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40024	98	97	416	413	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40025	413	416	417	414	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40026	414	417	418	415	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40028	97	110	407	416	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40029	416	407	408	417	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40030	417	408	409	418	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40031	418	409	406	396	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40032	406	422	427	391	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40033	391	427	428	392	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40034	392	428	429	393	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40035	393	429	370	336	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40036	422	423	430	427	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40037	427	430	431	428	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40038	428	431	432	429	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40039	429	432	371	370	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40040	423	424	433	430	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40041	430	433	434	431	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40042	431	434	435	432	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40043	432	435	372	371	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40044	424	425	436	433	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40045	433	436	437	434	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40046	434	437	438	435	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40047	435	438	373	372	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40048	425	426	439	436	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40049	436	439	440	437	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40050	437	440	441	438	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40051	438	441	374	373	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40052	426	442	419	439	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40053	439	419	420	440	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40054	440	420	421	441	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40055	441	421	390	374	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40056	110	143	446	407	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40057	407	446	447	408	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40058	408	447	448	409	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40059	409	448	422	406	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40060	143	142	449	446	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40061	446	449	450	447	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40062	447	450	451	448	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40063	448	451	423	422	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40064	142	141	452	449	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40065	449	452	453	450	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40066	450	453	454	451	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40067	451	454	424	423	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40068	141	140	455	452	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40069	452	455	456	453	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40070	453	456	457	454	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40071	454	457	425	424	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40072	140	139	458	455	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40073	455	458	459	456	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40074	456	459	460	457	14	25.00	1.000E-05*	0.000	-1.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
4	40075	457	460	426	425	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40076	139	160	443	458	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40077	458	443	444	459	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40078	459	444	445	460	14	25.00	1.000E-05*	0.000	-1.000	0.000
4	40079	460	445	442	426	14	25.00	1.000E-05*	0.000	-1.000	0.000
5	50000	25	464	467	29	15	25.00		0.000	-1.000	0.000
5	50001	29	467	468	30	15	25.00		0.000	-1.000	0.000
5	50002	30	468	469	31	15	25.00		0.000	-1.000	0.000
5	50003	31	469	305	44	15	25.00		0.000	-1.000	0.000
5	50004	464	465	470	467	15	25.00		0.000	-1.000	0.000
5	50005	467	470	471	468	15	25.00		0.000	-1.000	0.000
5	50006	468	471	472	469	15	25.00		0.000	-1.000	0.000
5	50007	469	472	306	305	15	25.00		0.000	-1.000	0.000
5	50008	465	466	473	470	15	25.00		0.000	-1.000	0.000
5	50009	470	473	474	471	15	25.00		0.000	-1.000	0.000
5	50011	472	475	307	306	15	25.00		0.000	-1.000	0.000
5	50012	466	476	461	473	15	25.00		0.000	-1.000	0.000
5	50013	473	461	462	474	15	25.00		0.000	-1.000	0.000
5	50014	474	462	463	475	15	25.00		0.000	-1.000	0.000
5	50015	475	463	320	307	15	25.00		0.000	-1.000	0.000
5	50016	24	94	480	1	15	25.00		0.000	-1.000	0.000
5	50017	1	480	481	2	15	25.00		0.000	-1.000	0.000
5	50018	2	481	482	3	15	25.00		0.000	-1.000	0.000
5	50019	3	482	464	25	15	25.00		0.000	-1.000	0.000
5	50020	94	95	483	480	15	25.00		0.000	-1.000	0.000
5	50021	480	483	484	481	15	25.00		0.000	-1.000	0.000
5	50022	481	484	485	482	15	25.00		0.000	-1.000	0.000
5	50023	482	485	465	464	15	25.00		0.000	-1.000	0.000
5	50024	95	96	486	483	15	25.00		0.000	-1.000	0.000
5	50026	484	487	488	485	15	25.00		0.000	-1.000	0.000
5	50027	485	488	466	465	15	25.00		0.000	-1.000	0.000
5	50028	96	109	477	486	15	25.00		0.000	-1.000	0.000
5	50029	486	477	478	487	15	25.00		0.000	-1.000	0.000
5	50030	487	478	479	488	15	25.00		0.000	-1.000	0.000
5	50031	488	479	476	466	15	25.00		0.000	-1.000	0.000
5	50032	476	492	497	461	15	25.00		0.000	-1.000	0.000
5	50033	461	497	498	462	15	25.00		0.000	-1.000	0.000
5	50034	462	498	499	463	15	25.00		0.000	-1.000	0.000
5	50035	463	499	341	320	15	25.00		0.000	-1.000	0.000
5	50036	492	493	500	497	15	25.00		0.000	-1.000	0.000
5	50037	497	500	501	498	15	25.00		0.000	-1.000	0.000
5	50038	498	501	502	499	15	25.00		0.000	-1.000	0.000
5	50039	499	502	342	341	15	25.00		0.000	-1.000	0.000
5	50040	493	494	503	500	15	25.00		0.000	-1.000	0.000
5	50041	500	503	504	501	15	25.00		0.000	-1.000	0.000
5	50042	501	504	505	502	15	25.00		0.000	-1.000	0.000
5	50043	502	505	343	342	15	25.00		0.000	-1.000	0.000
5	50044	494	495	506	503	15	25.00		0.000	-1.000	0.000
5	50045	503	506	507	504	15	25.00		0.000	-1.000	0.000
5	50046	504	507	508	505	15	25.00		0.000	-1.000	0.000
5	50047	505	508	344	343	15	25.00		0.000	-1.000	0.000
5	50048	495	496	509	506	15	25.00		0.000	-1.000	0.000
5	50049	506	509	510	507	15	25.00		0.000	-1.000	0.000
5	50050	507	510	511	508	15	25.00		0.000	-1.000	0.000
5	50051	508	511	345	344	15	25.00		0.000	-1.000	0.000
5	50052	496	512	489	509	15	25.00		0.000	-1.000	0.000
5	50053	509	489	490	510	15	25.00		0.000	-1.000	0.000
5	50054	510	490	491	511	15	25.00		0.000	-1.000	0.000
5	50055	511	491	366	345	15	25.00		0.000	-1.000	0.000
5	50056	109	134	516	477	15	25.00		0.000	-1.000	0.000
5	50057	477	516	517	478	15	25.00		0.000	-1.000	0.000
5	50058	478	517	518	479	15	25.00		0.000	-1.000	0.000
5	50059	479	518	492	476	15	25.00		0.000	-1.000	0.000
5	50060	134	135	519	516	15	25.00		0.000	-1.000	0.000
5	50061	516	519	520	517	15	25.00		0.000	-1.000	0.000
5	50062	517	520	521	518	15	25.00		0.000	-1.000	0.000
5	50063	518	521	493	492	15	25.00		0.000	-1.000	0.000
5	50064	135	136	522	519	15	25.00		0.000	-1.000	0.000
5	50065	519	522	523	520	15	25.00		0.000	-1.000	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
5	50066	520	523	524	521	15	25.00		0.000	-1.000	0.000
5	50067	521	524	494	493	15	25.00		0.000	-1.000	0.000
5	50068	136	137	525	522	15	25.00		0.000	-1.000	0.000
5	50069	522	525	526	523	15	25.00		0.000	-1.000	0.000
5	50070	523	526	527	524	15	25.00		0.000	-1.000	0.000
5	50071	524	527	495	494	15	25.00		0.000	-1.000	0.000
5	50072	137	138	528	525	15	25.00		0.000	-1.000	0.000
5	50073	525	528	529	526	15	25.00		0.000	-1.000	0.000
5	50074	526	529	530	527	15	25.00		0.000	-1.000	0.000
5	50075	527	530	496	495	15	25.00		0.000	-1.000	0.000
5	50076	138	159	513	528	15	25.00		0.000	-1.000	0.000
5	50077	528	513	514	529	15	25.00		0.000	-1.000	0.000
5	50078	529	514	515	530	15	25.00		0.000	-1.000	0.000
5	50079	530	515	512	496	15	25.00		0.000	-1.000	0.000
6	60000	57	223	535	56	15	25.00		1.000	0.000	0.000
6	60001	56	535	536	55	15	25.00		1.000	0.000	0.000
6	60002	55	536	537	54	15	25.00		1.000	0.000	0.000
6	60003	54	537	538	53	15	25.00		1.000	0.000	0.000
6	60004	53	538	464	25	15	25.00		1.000	0.000	0.000
6	60005	223	224	539	535	15	25.00		1.000	0.000	0.000
6	60006	535	539	540	536	15	25.00		1.000	0.000	0.000
6	60008	537	541	542	538	15	25.00		1.000	0.000	0.000
6	60009	538	542	465	464	15	25.00		1.000	0.000	0.000
6	60010	224	225	543	539	15	25.00		1.000	0.000	0.000
6	60011	539	543	544	540	15	25.00		1.000	0.000	0.000
6	60012	540	544	545	541	15	25.00		1.000	0.000	0.000
6	60013	541	545	546	542	15	25.00		1.000	0.000	0.000
6	60014	542	546	466	465	15	25.00		1.000	0.000	0.000
6	60015	225	235	531	543	15	25.00		1.000	0.000	0.000
6	60016	543	531	532	544	15	25.00		1.000	0.000	0.000
6	60017	544	532	533	545	15	25.00		1.000	0.000	0.000
6	60018	545	533	534	546	15	25.00		1.000	0.000	0.000
6	60019	546	534	476	466	15	25.00		1.000	0.000	0.000
6	60020	235	255	551	531	15	25.00		1.000	0.000	0.000
6	60021	531	551	552	532	15	25.00		1.000	0.000	0.000
6	60022	532	552	553	533	15	25.00		1.000	0.000	0.000
6	60023	533	553	554	534	15	25.00		1.000	0.000	0.000
6	60024	534	554	492	476	15	25.00		1.000	0.000	0.000
6	60025	255	256	555	551	15	25.00		1.000	0.000	0.000
6	60026	551	555	556	552	15	25.00		1.000	0.000	0.000
6	60027	552	556	557	553	15	25.00		1.000	0.000	0.000
6	60028	553	557	558	554	15	25.00		1.000	0.000	0.000
6	60029	554	558	493	492	15	25.00		1.000	0.000	0.000
6	60030	256	257	559	555	15	25.00		1.000	0.000	0.000
6	60031	555	559	560	556	15	25.00		1.000	0.000	0.000
6	60032	556	560	561	557	15	25.00		1.000	0.000	0.000
6	60033	557	561	562	558	15	25.00		1.000	0.000	0.000
6	60034	558	562	494	493	15	25.00		1.000	0.000	0.000
6	60035	257	258	563	559	15	25.00		1.000	0.000	0.000
6	60036	559	563	564	560	15	25.00		1.000	0.000	0.000
6	60037	560	564	565	561	15	25.00		1.000	0.000	0.000
6	60038	561	565	566	562	15	25.00		1.000	0.000	0.000
6	60039	562	566	495	494	15	25.00		1.000	0.000	0.000
6	60040	258	259	567	563	15	25.00		1.000	0.000	0.000
6	60041	563	567	568	564	15	25.00		1.000	0.000	0.000
6	60042	564	568	569	565	15	25.00		1.000	0.000	0.000
6	60043	565	569	570	566	15	25.00		1.000	0.000	0.000
6	60044	566	570	496	495	15	25.00		1.000	0.000	0.000
6	60045	259	276	547	567	15	25.00		1.000	0.000	0.000
6	60046	567	547	548	568	15	25.00		1.000	0.000	0.000
6	60047	568	548	549	569	15	25.00		1.000	0.000	0.000
6	60048	569	549	550	570	15	25.00		1.000	0.000	0.000
6	60049	570	550	512	496	15	25.00		1.000	0.000	0.000
7	70000	582	581	583	575	1	25.00		0.786	-0.618	0.000
7	70001	581	580	584	583	1	25.00		1.000	0.000	0.000
7	70002	580	579	585	584	1	25.00		0.786	0.618	0.000
7	70003	579	578	586	585	1	25.00		1.000	0.000	0.000
7	70004	578	235	220	586	1	25.00		1.000	0.000	0.000
7	70005	575	583	587	576	1	25.00		0.787	0.617	0.000

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
7	70006	583	584	588	587	1	25.00		1.000	0.000	0.000
7	70007	584	585	589	588	1	25.00		0.787	-0.617	0.000
7	70008	585	586	590	589	1	25.00		1.000	0.000	0.000
7	70009	586	220	221	590	1	25.00		1.000	0.000	0.000
7	70010	576	587	591	577	1	25.00		1.000	0.000	0.000
7	70011	587	588	592	591	1	25.00		1.000	0.000	0.000
7	70012	588	589	593	592	1	25.00		0.786	-0.618	0.000
7	70013	589	590	594	593	1	25.00		1.000	0.000	0.000
7	70014	590	221	222	594	1	25.00		0.786	0.618	0.000
7	70015	577	591	571	595	1	25.00		1.000	0.000	0.000
7	70016	591	592	572	571	1	25.00		0.787	-0.617	0.000
7	70017	592	593	573	572	1	25.00		0.787	-0.617	0.000
7	70018	593	594	574	573	1	25.00		1.000	0.000	0.000
7	70019	594	222	263	574	1	25.00		0.787	0.617	0.000
7	70020	582	600	603	581	1	25.00		1.000	0.000	0.000
7	70021	581	603	604	580	1	25.00		1.000	0.000	0.000
7	70022	580	604	605	579	1	25.00		1.000	0.000	0.000
7	70023	579	605	606	578	1	25.00		1.000	0.000	0.000
7	70024	578	606	238	235	1	25.00		1.000	0.000	0.000
7	70025	600	601	607	603	1	25.00		1.000	0.000	0.000
7	70026	603	607	608	604	1	25.00		1.000	0.000	0.000
7	70027	604	608	609	605	1	25.00		1.000	0.000	0.000
7	70028	605	609	610	606	1	25.00		1.000	0.000	0.000
7	70029	606	610	237	238	1	25.00		1.000	0.000	0.000
7	70030	601	602	611	607	1	25.00		1.000	0.000	0.000
7	70031	607	611	612	608	1	25.00		1.000	0.000	0.000
7	70032	608	612	613	609	1	25.00		1.000	0.000	0.000
7	70033	609	613	614	610	1	25.00		1.000	0.000	0.000
7	70034	610	614	236	237	1	15.00		1.000	0.000	0.000
7	70035	602	615	596	611	1	25.00		1.000	0.000	0.000
7	70036	611	596	597	612	1	25.00		1.000	0.000	0.000
7	70037	612	597	598	613	1	25.00		1.000	0.000	0.000
7	70038	613	598	599	614	1	25.00		1.000	0.000	0.000
7	70039	614	599	251	236	1	15.00		1.000	0.000	0.000
8	80000	595	650	655	571	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80001	571	655	656	572	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80002	572	656	657	573	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80003	573	657	658	574	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80004	574	658	165	263	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80005	650	651	659	655	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80006	655	659	660	656	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80007	656	660	661	657	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80008	657	661	662	658	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80009	658	662	166	165	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80010	651	652	663	659	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80011	659	663	664	660	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80012	660	664	665	661	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80013	661	665	666	662	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80014	662	666	167	166	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80015	652	653	667	663	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80016	663	667	668	664	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80017	664	668	669	665	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80018	665	669	670	666	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80019	666	670	168	167	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80020	653	654	671	667	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80021	667	671	672	668	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80022	668	672	673	669	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80023	669	673	674	670	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80024	670	674	169	168	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80025	654	675	646	671	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80026	671	646	647	672	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80027	672	647	648	673	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80028	673	648	649	674	11	25.00	1.000E-05*	1.000	0.000	0.000
8	80029	674	649	190	169	11	25.00	1.000E-05*	1.000	0.000	0.000
9	90000	582	679	684	575	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90001	575	684	685	576	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90002	576	685	686	577	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90003	577	686	650	595	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90004	679	680	687	684	12	25.00	1.000E-05*	0.000	1.000	0.000

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STATIKH EPiLYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGiA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
9	90005	684	687	688	685	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90006	685	688	689	686	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90007	686	689	651	650	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90008	680	681	690	687	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90009	687	690	691	688	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90010	688	691	692	689	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90011	689	692	652	651	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90012	681	682	693	690	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90013	690	693	694	691	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90014	691	694	695	692	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90015	692	695	653	652	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90016	682	683	696	693	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90017	693	696	697	694	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90018	694	697	698	695	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90019	695	698	654	653	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90020	683	699	676	696	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90021	696	676	677	697	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90022	697	677	678	698	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90023	698	678	675	654	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90024	615	703	708	602	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90025	602	708	709	601	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90026	601	709	710	600	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90027	600	710	679	582	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90028	703	704	711	708	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90029	708	711	712	709	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90030	709	712	713	710	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90031	710	713	680	679	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90032	704	705	714	711	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90033	711	714	715	712	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90034	712	715	716	713	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90035	713	716	681	680	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90036	705	706	717	714	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90037	714	717	718	715	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90038	715	718	719	716	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90039	716	719	682	681	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90040	706	707	720	717	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90041	717	720	721	718	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90042	718	721	722	719	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90043	719	722	683	682	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90044	707	723	700	720	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90045	720	700	701	721	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90046	721	701	702	722	12	25.00	1.000E-05*	0.000	1.000	0.000
9	90047	722	702	699	683	12	25.00	1.000E-05*	0.000	1.000	0.000
10	100000	251	280	728	599	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100001	599	728	729	598	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100002	598	729	730	597	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100003	597	730	731	596	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100004	596	731	703	615	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100005	280	281	732	728	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100006	728	732	733	729	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100007	729	733	734	730	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100008	730	734	735	731	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100009	731	735	704	703	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100010	281	282	736	732	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100011	732	736	737	733	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100012	733	737	738	734	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100013	734	738	739	735	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100014	735	739	705	704	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100015	282	283	740	736	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100016	736	740	741	737	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100017	737	741	742	738	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100018	738	742	743	739	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100019	739	743	706	705	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100020	283	284	744	740	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100021	740	744	745	741	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100022	741	745	746	742	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100023	742	746	747	743	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100024	743	747	707	706	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100025	284	300	724	744	13	25.00	1.000E-05*	1.000	0.000	0.000

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SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction local x		
10	100026	744	724	725	745	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100027	745	725	726	746	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100028	746	726	727	747	13	25.00	1.000E-05*	1.000	0.000	0.000
10	100029	747	727	723	707	13	25.00	1.000E-05*	1.000	0.000	0.000
11	110032	235	255	260	220	15	25.00		0.000	1.000	0.000
11	110033	220	260	261	221	15	25.00		0.000	1.000	0.000
11	110034	221	261	262	222	15	25.00		0.000	1.000	0.000
11	110035	222	262	165	263	15	25.00		0.000	1.000	0.000
11	110036	255	256	264	260	15	25.00		0.000	1.000	0.000
11	110037	260	264	265	261	15	25.00		0.000	1.000	0.000
11	110038	261	265	266	262	15	25.00		0.000	1.000	0.000
11	110039	262	266	166	165	15	25.00		0.000	1.000	0.000
11	110040	256	257	267	264	15	25.00		0.000	1.000	0.000
11	110041	264	267	268	265	15	25.00		0.000	1.000	0.000
11	110042	265	268	269	266	15	25.00		0.000	1.000	0.000
11	110043	266	269	167	166	15	25.00		0.000	1.000	0.000
11	110044	257	258	270	267	15	25.00		0.000	1.000	0.000
11	110045	267	270	271	268	15	25.00		0.000	1.000	0.000
11	110046	268	271	272	269	15	25.00		0.000	1.000	0.000
11	110047	269	272	168	167	15	25.00		0.000	1.000	0.000
11	110048	258	259	273	270	15	25.00		0.000	1.000	0.000
11	110049	270	273	274	271	15	25.00		0.000	1.000	0.000
11	110050	271	274	275	272	15	25.00		0.000	1.000	0.000
11	110051	272	275	169	168	15	25.00		0.000	1.000	0.000
11	110052	259	276	252	273	15	25.00		0.000	1.000	0.000
11	110053	273	252	253	274	15	25.00		0.000	1.000	0.000
11	110054	274	253	254	275	15	25.00		0.000	1.000	0.000
11	110055	275	254	190	169	15	25.00		0.000	1.000	0.000
11	110056	251	280	285	236	15	25.00		0.000	1.000	0.000
11	110057	236	285	286	237	15	25.00		0.000	1.000	0.000
11	110058	237	286	287	238	15	25.00		0.000	1.000	0.000
11	110059	238	287	255	235	15	25.00		0.000	1.000	0.000
11	110060	280	281	288	285	15	25.00		0.000	1.000	0.000
11	110061	285	288	289	286	15	25.00		0.000	1.000	0.000
11	110062	286	289	290	287	15	25.00		0.000	1.000	0.000
11	110063	287	290	256	255	15	25.00		0.000	1.000	0.000
11	110064	281	282	291	288	15	25.00		0.000	1.000	0.000
11	110065	288	291	292	289	15	25.00		0.000	1.000	0.000
11	110066	289	292	293	290	15	25.00		0.000	1.000	0.000
11	110067	290	293	257	256	15	25.00		0.000	1.000	0.000
11	110068	282	283	294	291	15	25.00		0.000	1.000	0.000
11	110069	291	294	295	292	15	25.00		0.000	1.000	0.000
11	110070	292	295	296	293	15	25.00		0.000	1.000	0.000
11	110071	293	296	258	257	15	25.00		0.000	1.000	0.000
11	110072	283	284	297	294	15	25.00		0.000	1.000	0.000
11	110073	294	297	298	295	15	25.00		0.000	1.000	0.000
11	110074	295	298	299	296	15	25.00		0.000	1.000	0.000
11	110075	296	299	259	258	15	25.00		0.000	1.000	0.000
11	110076	284	300	277	297	15	25.00		0.000	1.000	0.000
11	110077	297	277	278	298	15	25.00		0.000	1.000	0.000
11	110078	298	278	279	299	15	25.00		0.000	1.000	0.000
11	110079	299	279	276	259	15	25.00		0.000	1.000	0.000
12	120000	512	489	751	750	1	25.00		1.000	0.000	0.000
12	120001	750	751	752	749	1	25.00		1.000	0.000	0.000
12	120002	749	752	753	748	1	25.00		1.000	0.000	0.000
12	120003	748	753	419	442	1	25.00		1.000	0.000	0.000
12	120004	489	490	754	751	1	25.00		1.000	0.000	0.000
12	120005	751	754	755	752	1	25.00		1.000	0.000	0.000
12	120006	752	755	756	753	1	25.00		1.000	0.000	0.000
12	120007	753	756	420	419	1	25.00		1.000	0.000	0.000
12	120008	490	491	757	754	1	25.00		1.000	0.000	0.000
12	120009	754	757	758	755	1	25.00		1.000	0.000	0.000
12	120012	491	366	369	757	1	25.00		1.000	0.000	0.000
12	120013	757	369	368	758	1	25.00		1.000	0.000	0.000
12	120016	159	513	760	131	1	25.00		1.000	0.000	0.000
12	120017	131	760	761	132	1	25.00		1.000	0.000	0.000
12	120018	132	761	762	133	1	25.00		1.000	0.000	0.000
12	120019	133	762	443	160	1	25.00		1.000	0.000	0.000
12	120020	513	514	763	760	1	25.00		1.000	0.000	0.000

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SYNDESMOLOGIA

Grp	Number	Node	Node	Node	Node	MNo	t[cm]	C[kN/m3]	direction	local x	
12	120021	760	763	764	761	1	25.00		1.000	0.000	0.000
12	120022	761	764	765	762	1	25.00		1.000	0.000	0.000
12	120023	762	765	444	443	1	25.00		1.000	0.000	0.000
12	120024	514	515	766	763	1	25.00		1.000	0.000	0.000
12	120025	763	766	767	764	1	25.00		1.000	0.000	0.000
12	120026	764	767	768	765	1	25.00		1.000	0.000	0.000
12	120027	765	768	445	444	1	25.00		1.000	0.000	0.000
12	120028	515	512	750	766	1	25.00		1.000	0.000	0.000
12	120029	766	750	749	767	1	25.00		1.000	0.000	0.000
12	120030	767	749	748	768	1	25.00		1.000	0.000	0.000
12	120031	768	748	442	445	1	25.00		1.000	0.000	0.000
12	120032	276	279	769	547	1	25.00		1.000	0.000	0.000
12	120033	547	769	770	548	1	25.00		1.000	0.000	0.000
12	120034	548	770	771	549	1	25.00		1.000	0.000	0.000
12	120035	549	771	772	550	1	25.00		1.000	0.000	0.000
12	120036	550	772	489	512	1	25.00		1.000	0.000	0.000
12	120037	279	278	773	769	1	25.00		1.000	0.000	0.000
12	120038	769	773	774	770	1	25.00		1.000	0.000	0.000
12	120042	278	277	777	773	1	25.00		1.000	0.000	0.000
12	120043	773	777	778	774	1	25.00		1.000	0.000	0.000
12	120047	277	300	340	777	1	25.00		1.000	0.000	0.000
12	120048	777	340	339	778	1	25.00		1.000	0.000	0.000
12	120052	190	254	781	161	1	25.00		1.000	0.000	0.000
12	120053	161	781	782	162	1	25.00		1.000	0.000	0.000
12	120057	254	253	785	781	1	25.00		1.000	0.000	0.000
12	120058	781	785	786	782	1	25.00		1.000	0.000	0.000
12	120062	253	252	789	785	1	25.00		1.000	0.000	0.000
12	120063	785	789	790	786	1	25.00		1.000	0.000	0.000
12	120067	252	276	547	789	1	25.00		1.000	0.000	0.000
12	120068	789	547	548	790	1	25.00		1.000	0.000	0.000
12	120069	790	548	549	791	1	25.00		1.000	0.000	0.000
12	120070	791	549	550	792	1	25.00		1.000	0.000	0.000
12	120071	792	550	512	515	1	25.00		1.000	0.000	0.000
12	120072	699	702	797	796	1	25.00		1.000	0.000	0.000
12	120073	796	797	798	795	1	25.00		1.000	0.000	0.000
12	120074	795	798	799	794	1	25.00		1.000	0.000	0.000
12	120075	794	799	800	793	1	25.00		1.000	0.000	0.000
12	120076	793	800	279	276	1	25.00		1.000	0.000	0.000
12	120077	702	701	801	797	1	25.00		1.000	0.000	0.000
12	120078	797	801	802	798	1	25.00		1.000	0.000	0.000
12	120079	798	802	803	799	1	25.00		1.000	0.000	0.000
12	120080	799	803	804	800	1	25.00		1.000	0.000	0.000
12	120081	800	804	278	279	1	25.00		1.000	0.000	0.000
12	120084	802	806	807	803	1	25.00		1.000	0.000	0.000
12	120085	803	807	808	804	1	25.00		1.000	0.000	0.000
12	120086	804	808	277	278	1	25.00		1.000	0.000	0.000
12	120089	806	726	725	807	1	25.00		1.000	0.000	0.000
12	120090	807	725	724	808	1	25.00		1.000	0.000	0.000
12	120091	808	724	300	277	1	25.00		1.000	0.000	0.000
12	120092	675	678	809	646	1	25.00		1.000	0.000	0.000
12	120093	646	809	810	647	1	25.00		1.000	0.000	0.000
12	120094	647	810	811	648	1	25.00		1.000	0.000	0.000
12	120095	648	811	812	649	1	25.00		1.000	0.000	0.000
12	120096	649	812	254	190	1	25.00		1.000	0.000	0.000
12	120097	678	677	813	809	1	25.00		1.000	0.000	0.000
12	120098	809	813	814	810	1	25.00		1.000	0.000	0.000
12	120099	810	814	815	811	1	25.00		1.000	0.000	0.000
12	120100	811	815	816	812	1	25.00		1.000	0.000	0.000
12	120101	812	816	253	254	1	25.00		1.000	0.000	0.000
12	120102	677	676	817	813	1	25.00		1.000	0.000	0.000
12	120103	813	817	818	814	1	25.00		1.000	0.000	0.000
12	120104	814	818	819	815	1	25.00		1.000	0.000	0.000
12	120105	815	819	820	816	1	25.00		1.000	0.000	0.000
12	120106	816	820	252	253	1	25.00		1.000	0.000	0.000
12	120107	676	699	796	817	1	25.00		1.000	0.000	0.000
12	120108	817	796	795	818	1	25.00		1.000	0.000	0.000
12	120109	818	795	794	819	1	25.00		1.000	0.000	0.000
12	120110	819	794	793	820	1	25.00		1.000	0.000	0.000
12	120111	820	793	276	252	1	25.00		1.000	0.000	0.000

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SYNDESMOLOGIA

Grp Number Node Node Node Node MNo t[cm] C[kN/m3] direction local x
* after C : Bedding isotrope in all directions

Summary of used plane elements in system

Grp	Total Area [m2]	Total Weight [t]	max. area [m2]	Total Volume [m3]	Material No.
0	8.9100	5.569	0.1251	2.2275	1
1	13.0350	8.147	0.1665	3.2588	11
2	4.8600	3.037	0.1633	1.2150	12
3	13.0350	8.147	0.1665	3.2588	13
4	10.6330	6.646	0.2338	2.6582	14
5	10.6010	6.626	0.1977	2.6502	15
6	7.2450	4.528	0.2263	1.8112	15
7	5.8050	3.530	0.2106	1.4122	1
8	4.6210	2.888	0.1544	1.1552	11
9	5.8050	3.628	0.1479	1.4513	12
10	4.6225	2.889	0.1888	1.1556	13
11	5.8048	3.628	0.1298	1.4512	15
12	11.2725	7.045	0.1918	2.8181	1

Spring Elements

Grp	Number	Node	Node	dX[-]	dY[-]	dZ[-]	CP[kN/m]	CQ[kN/m]	CM[kNm]
13	130001	1		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130002	2		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130003	3		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130004	4		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130005	5		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130006	6		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130007	7		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130008	8		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130009	9		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130010	10		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130011	11		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130012	12		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130013	13		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130014	14		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130015	15		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130016	16		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130017	17		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130018	18		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130019	19		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130020	20		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130021	21		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130022	22		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130023	23		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130024	24		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130025	25		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130026	26		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130027	27		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130028	28		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130029	29		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130030	30		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130031	31		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130032	32		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130033	33		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130034	34		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130035	35		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130036	36		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130037	37		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130038	38		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130039	39		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130040	40		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130041	41		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130042	42		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130043	43		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130044	44		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130045	45		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130046	46		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130047	47		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130048	48		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130049	49		0.000	0.000	-1.000	1.224E+02	6.120E+01	

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	dX[-]	dY[-]	dZ[-]	CP[kN/m]	CQ[kN/m]	CM[kNm]
13	130050	50		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130051	51		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130052	52		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130053	53		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130054	54		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130055	55		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130056	56		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130057	57		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130058	58		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130059	59		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130060	60		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130061	61		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130062	62		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130063	63		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130064	64		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130065	65		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130066	66		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130067	67		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130068	68		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130069	69		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130070	70		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130071	71		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130072	72		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130073	73		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130074	74		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130075	75		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130076	76		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130077	77		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130078	78		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130079	79		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130080	80		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130081	81		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130082	82		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130083	83		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130084	84		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130085	85		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130086	86		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130087	87		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130088	88		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130089	89		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130090	90		0.000	0.000	-1.000	1.224E+02	6.120E+01	
13	130571	571		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130572	572		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130573	573		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130574	574		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130575	575		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130576	576		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130577	577		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130578	578		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130579	579		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130580	580		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130581	581		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130582	582		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130583	583		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130584	584		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130585	585		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130586	586		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130587	587		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130588	588		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130589	589		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130590	590		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130591	591		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130592	592		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130593	593		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130594	594		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130595	595		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130596	596		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130597	597		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130598	598		0.000	0.000	-1.000	1.462E+02	7.310E+01	

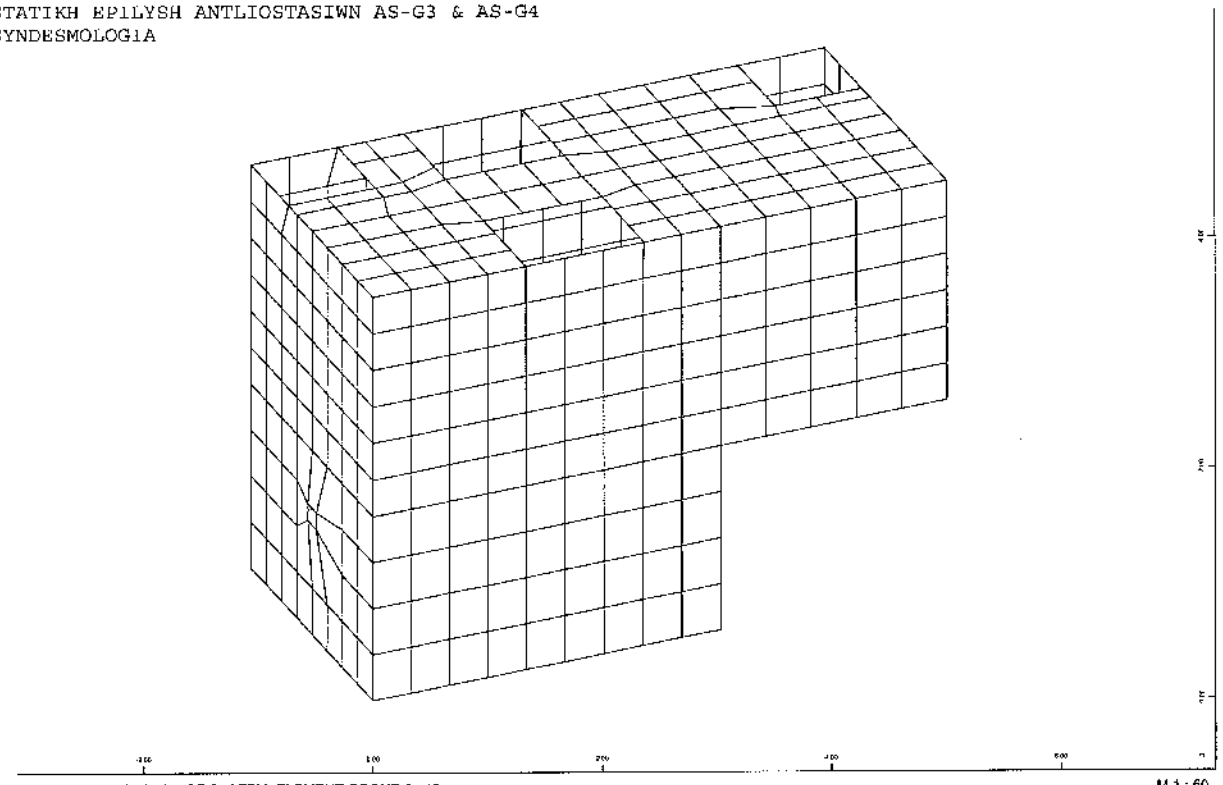
SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGIA

Grp	Number	Node	Node	dX[-]	dY[-]	dZ[-]	CP[kN/m]	CQ[kN/m]	CM[kNm]
13	130599	599		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130600	600		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130601	601		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130602	602		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130603	603		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130604	604		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130605	605		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130606	606		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130607	607		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130608	608		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130609	609		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130610	610		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130611	611		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130612	612		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130613	613		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130614	614		0.000	0.000	-1.000	1.462E+02	7.310E+01	
13	130615	615		0.000	0.000	-1.000	1.462E+02	7.310E+01	

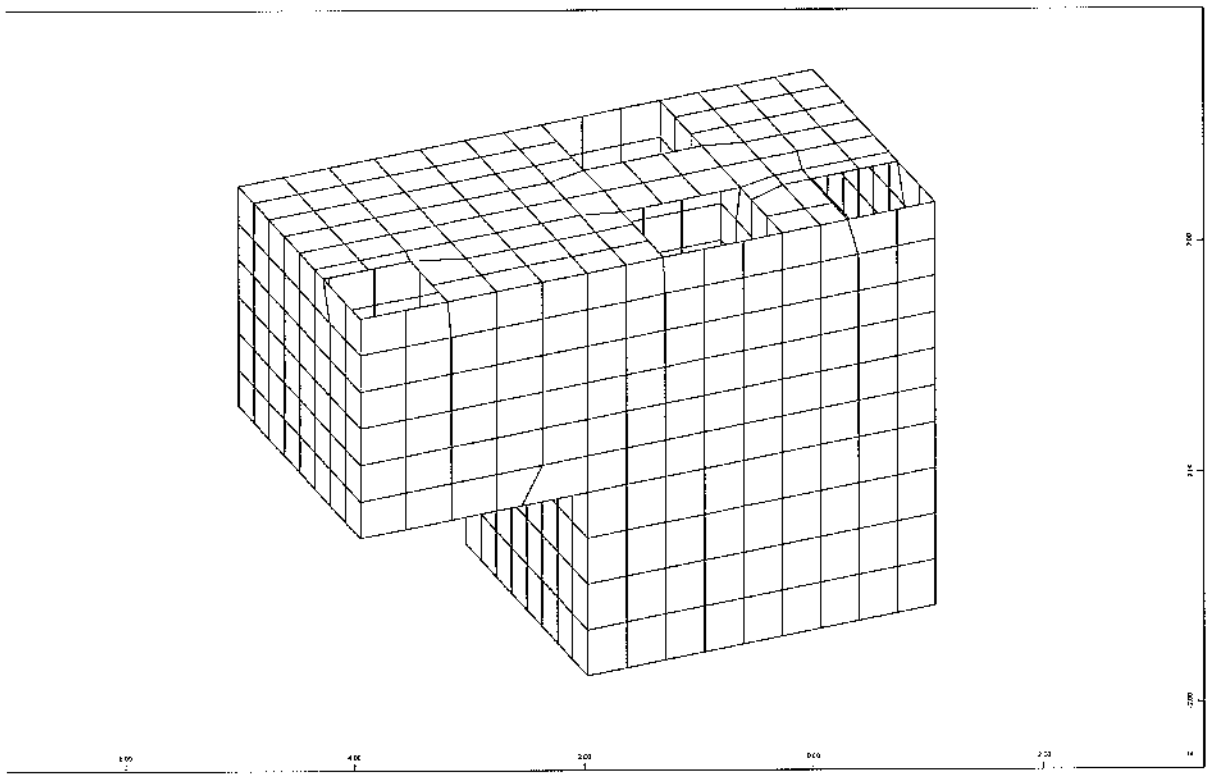
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STATIKH EPiLYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDESMOLOGiA



SECTOR OF SYSTEM, ELEMENT GROUP 0...12

M 1 : 60

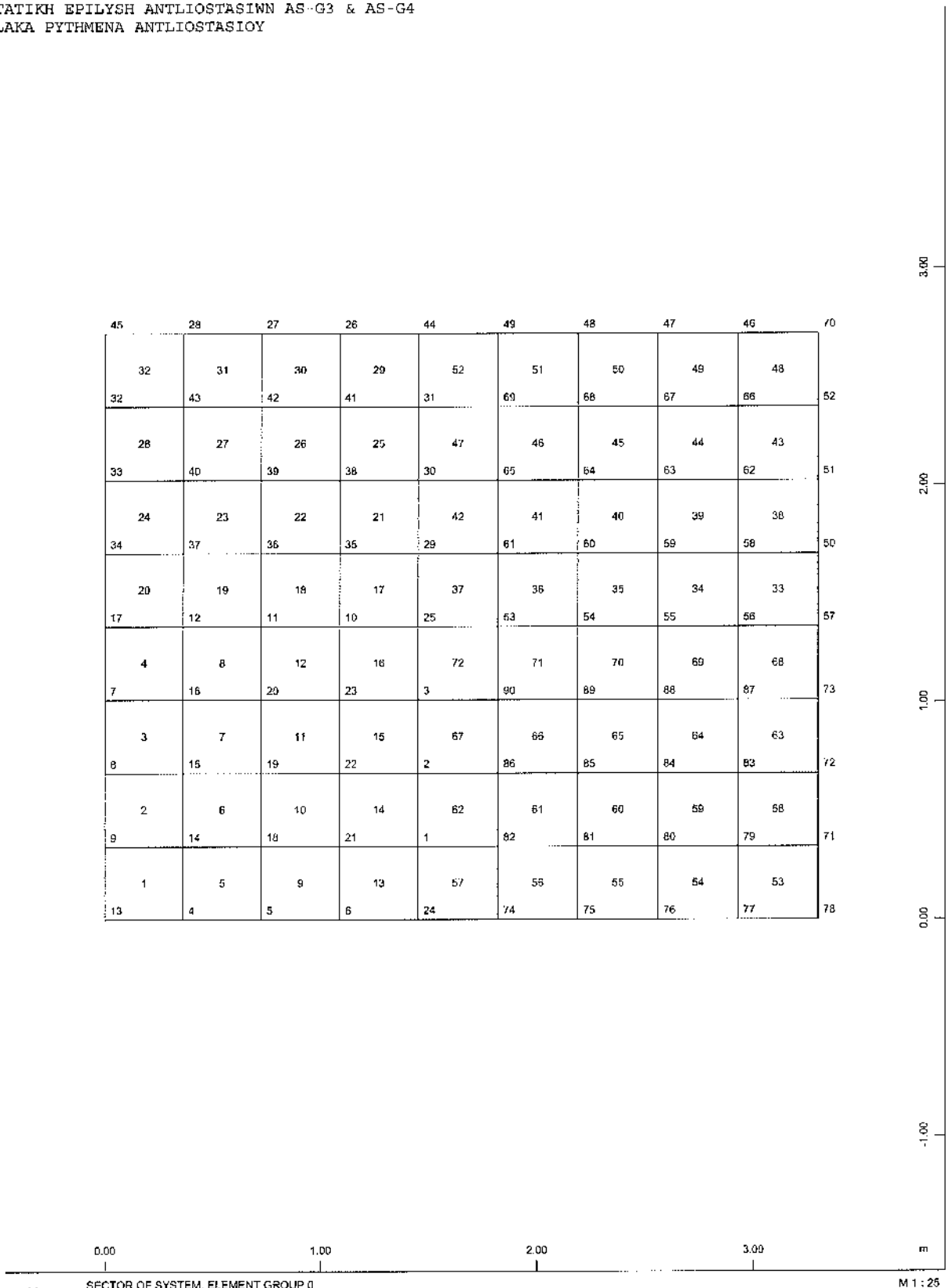


SECTOR OF SYSTEM, ELEMENT GROUP 0...12

M 1 : 60

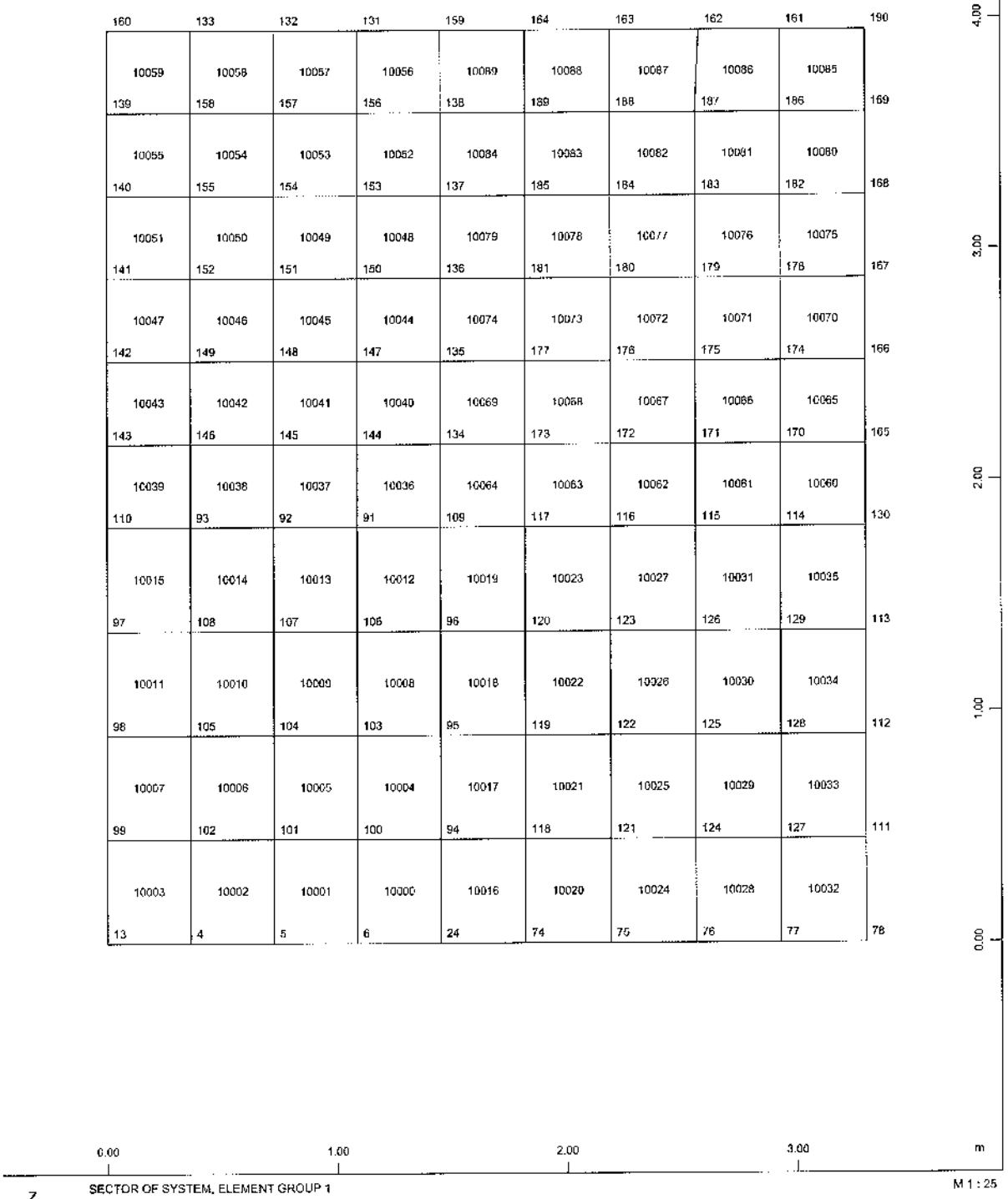
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
PLAKA PYTHMENA ANTLIOSTASIOY



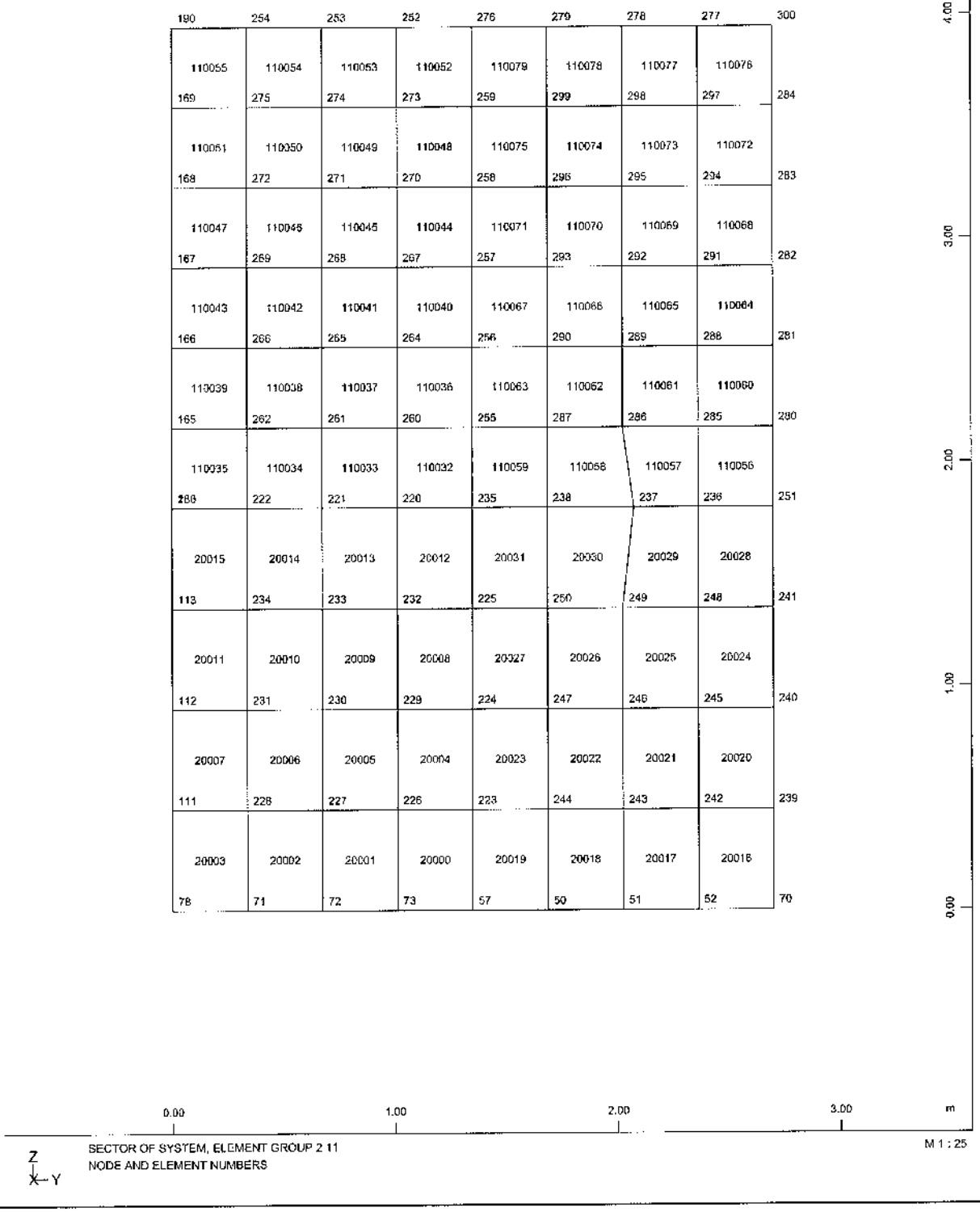
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T1 ANTLIOSTASIOY



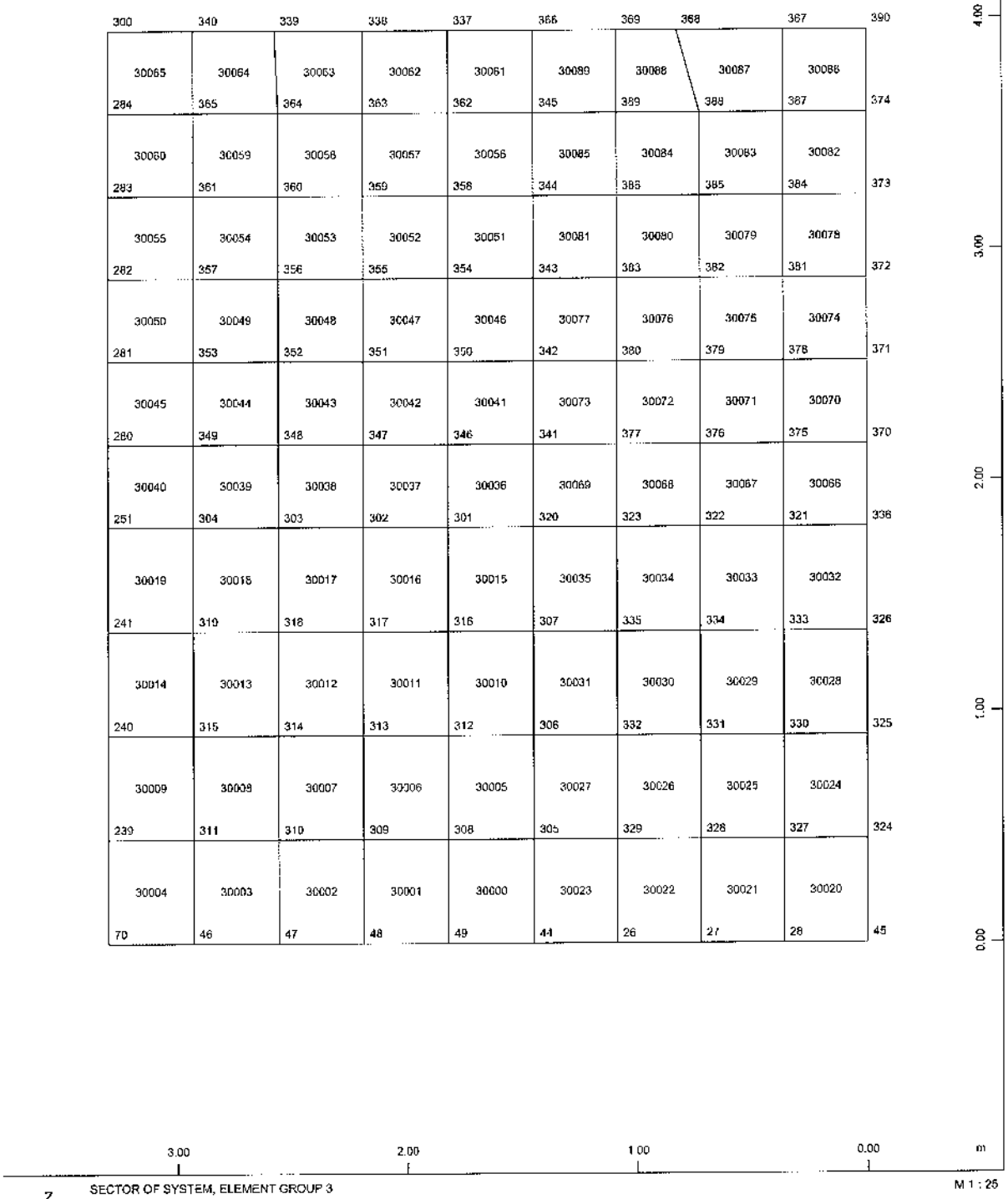
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
'TOIXWMA T2 ANTLIOSTASIOY



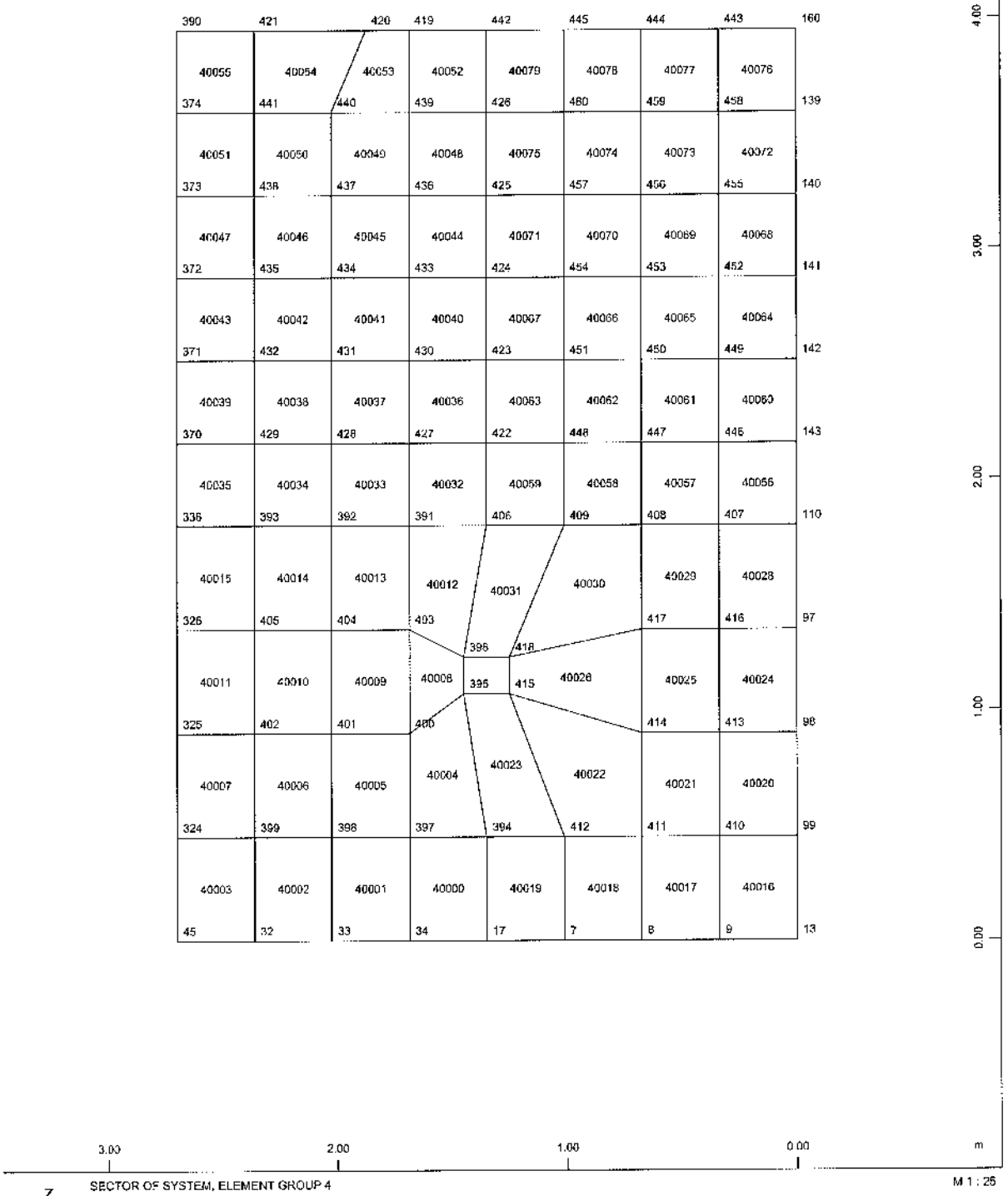
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T3 ANTLIOSTASIOY



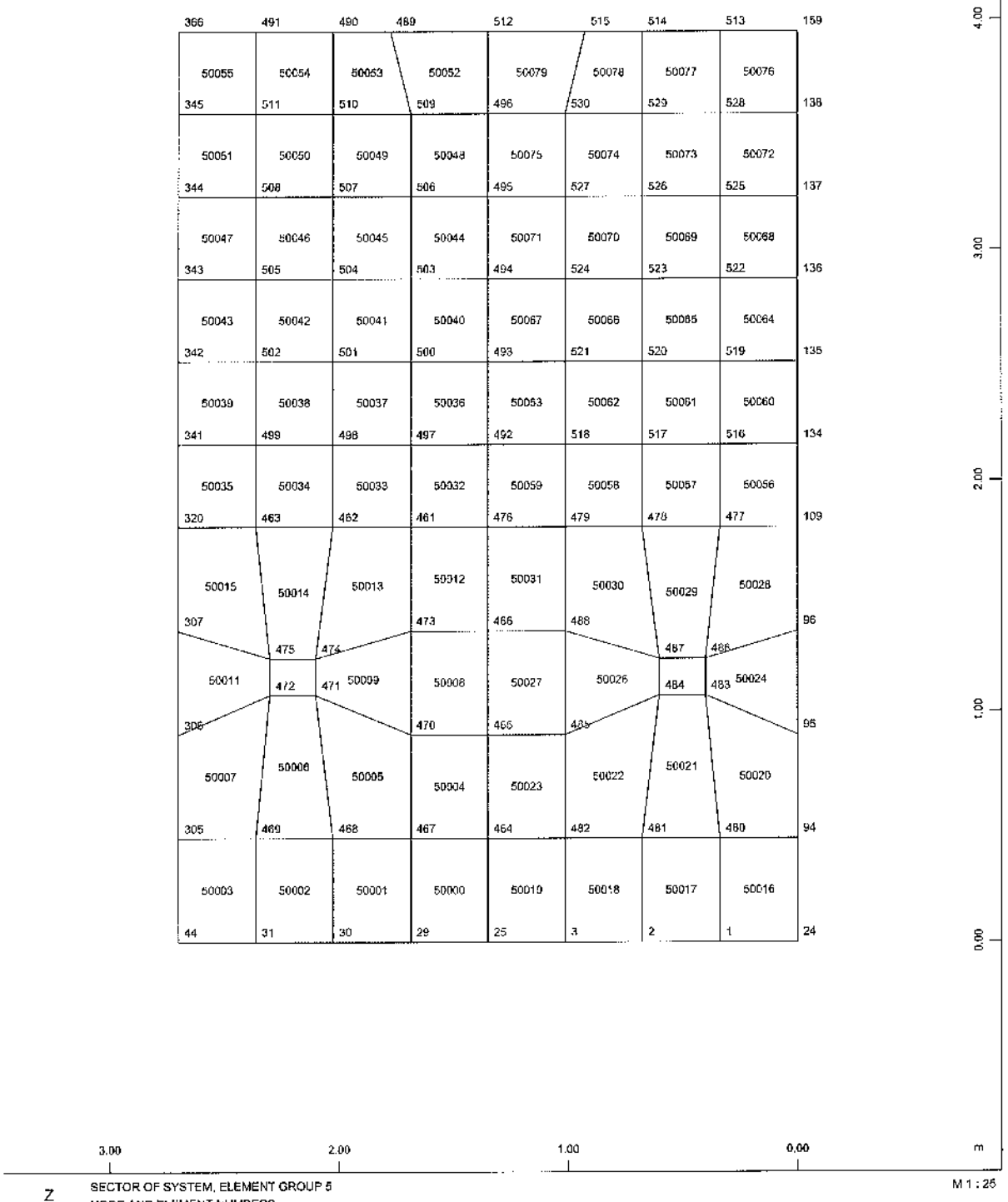
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T4 ANTLIOSTASIOY



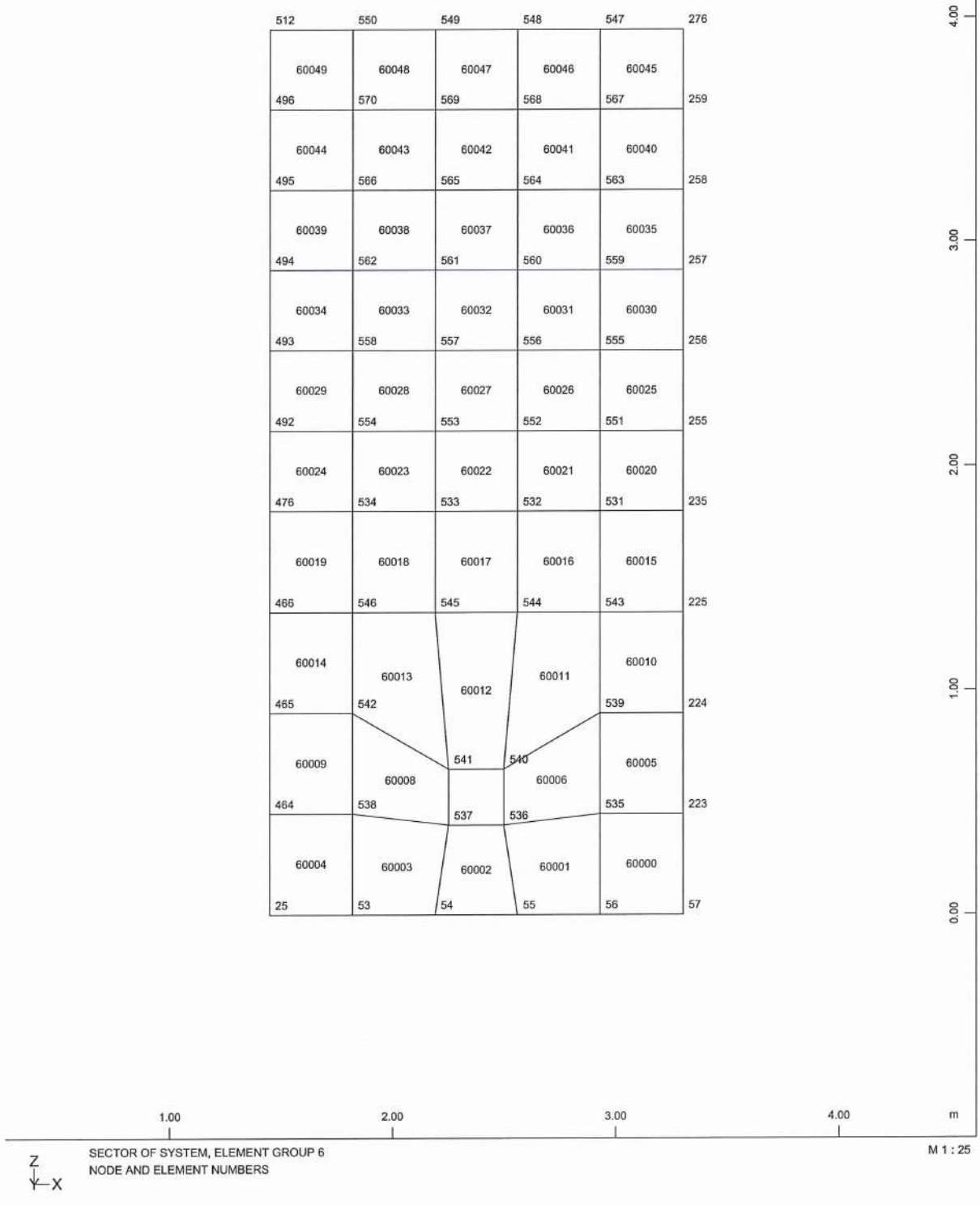
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T5 ESWTERIKO ANTLIOSTASIOY



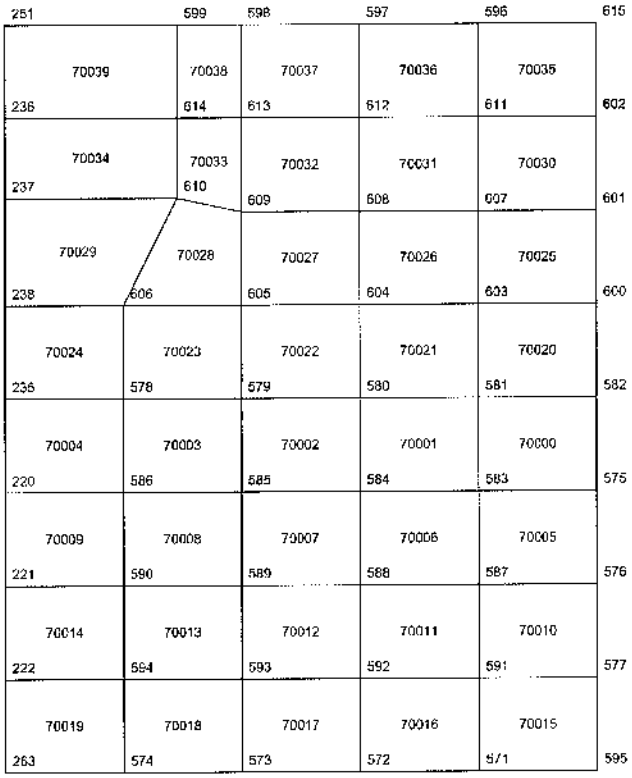
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T6 ESWTERIKO ANTLIOSTASIOY



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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
PLAKA PYTHMENA VANOSTASIOY





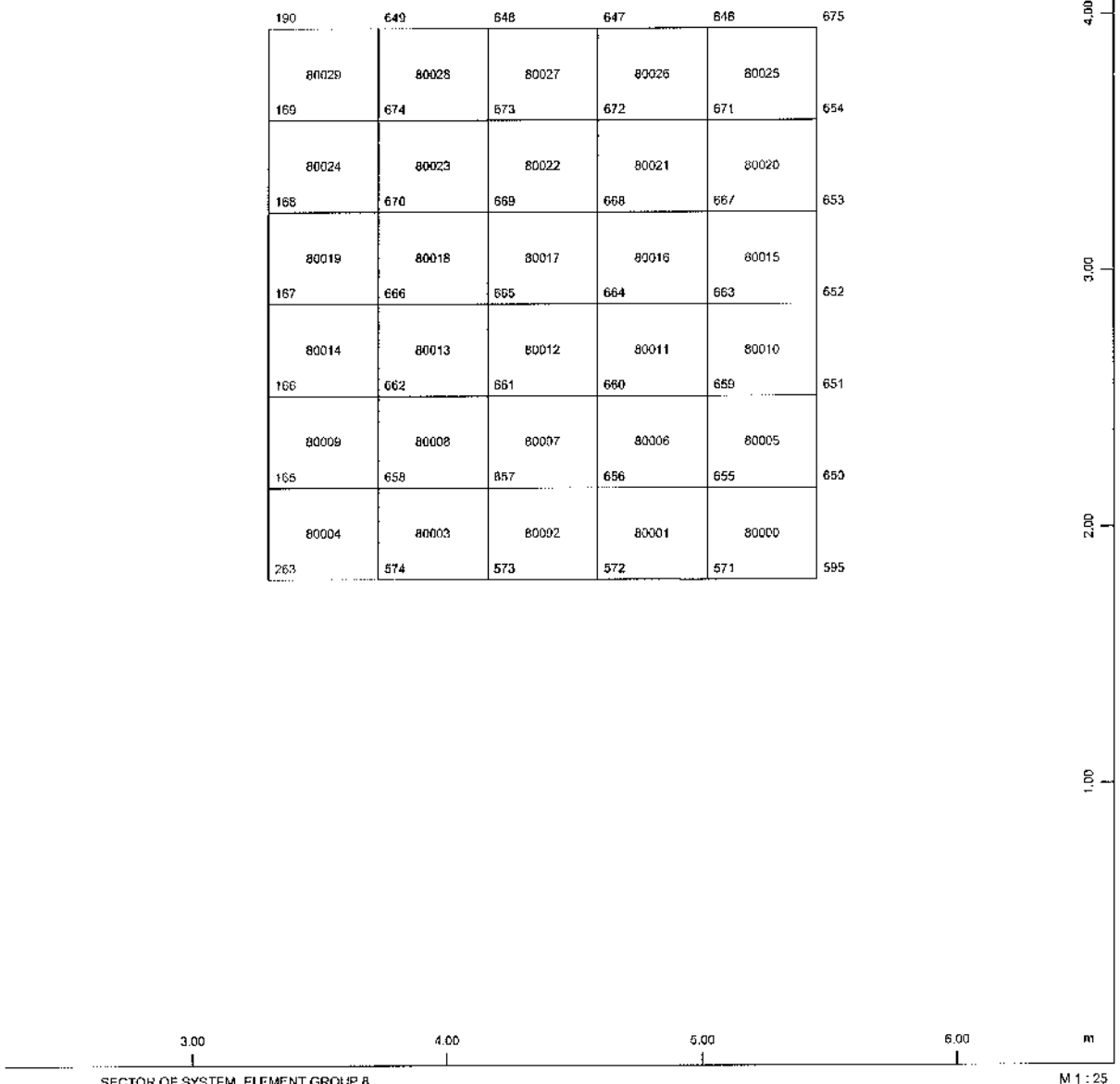


SECTOR OF SYSTEM, ELEMENT GROUP 7
NODE AND ELEMENT NUMBERS

M 1 : 25

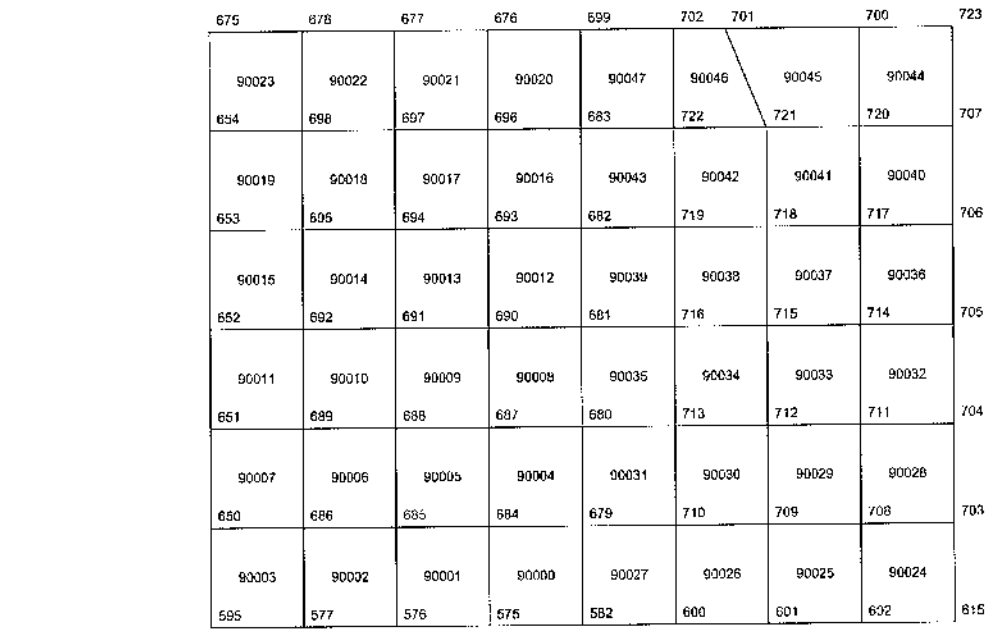
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T7 VANOSTASIOY



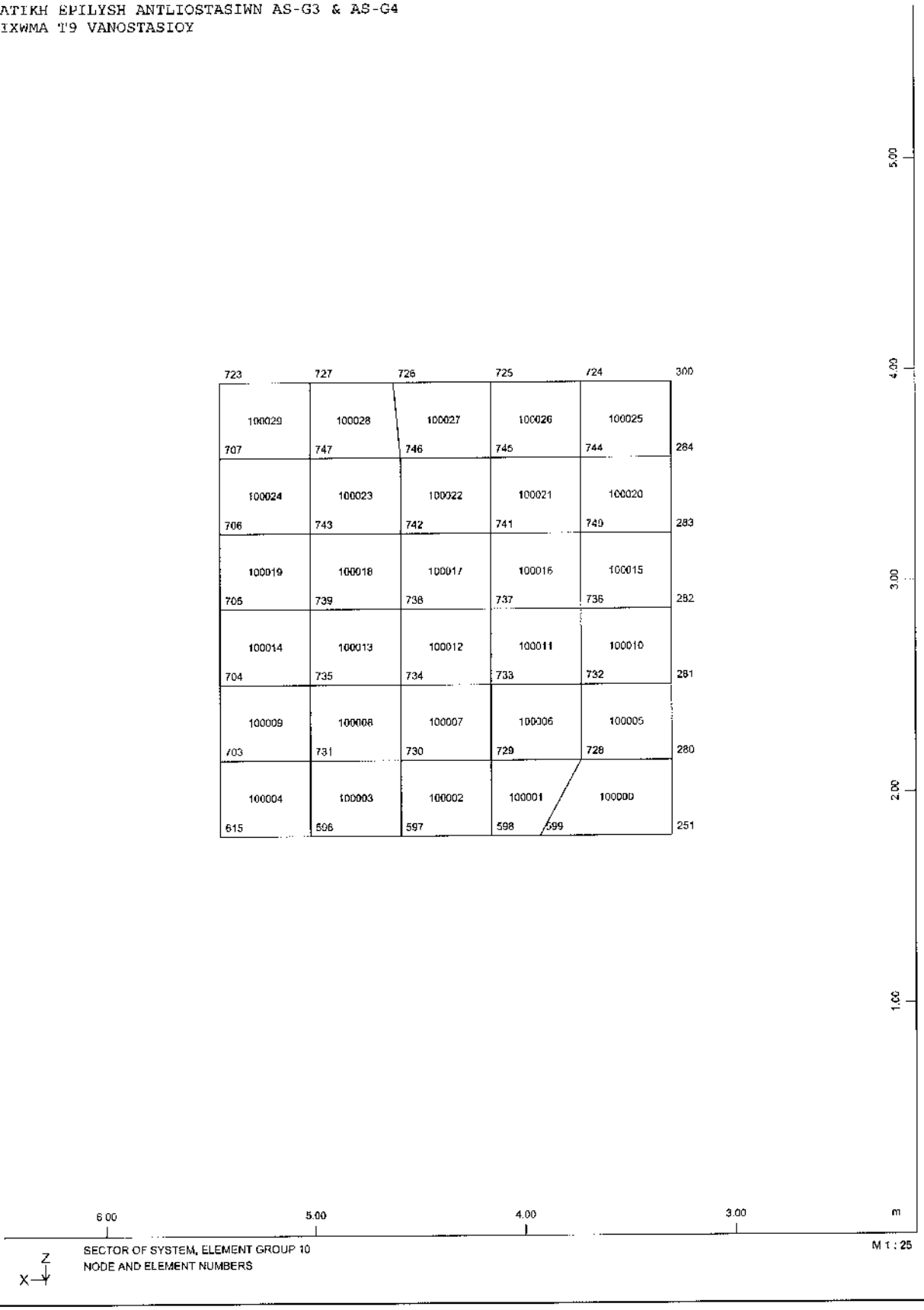
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T8 VANOSTASIOY



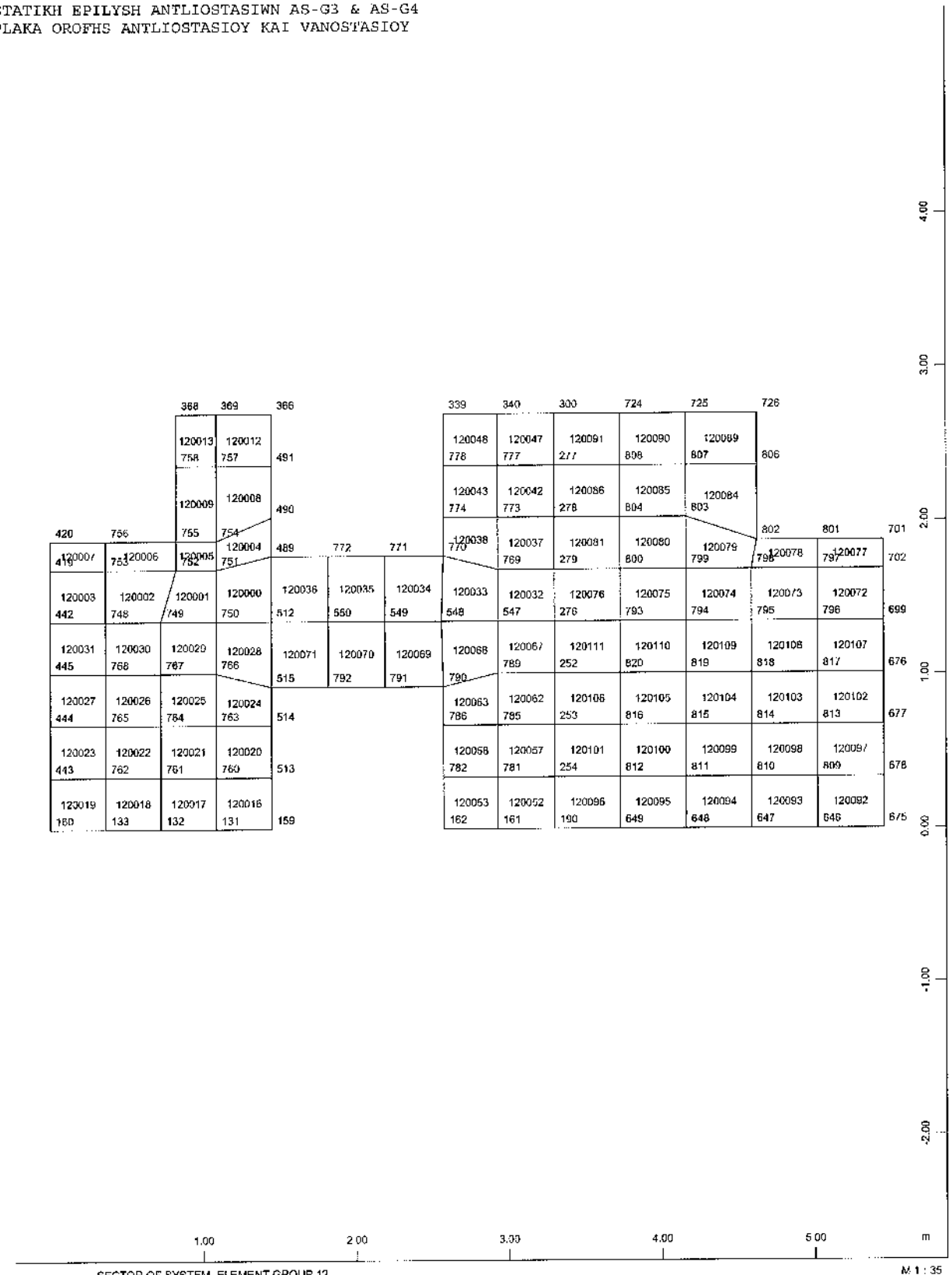
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TOIXWMA T'9 VANOSTASIOY



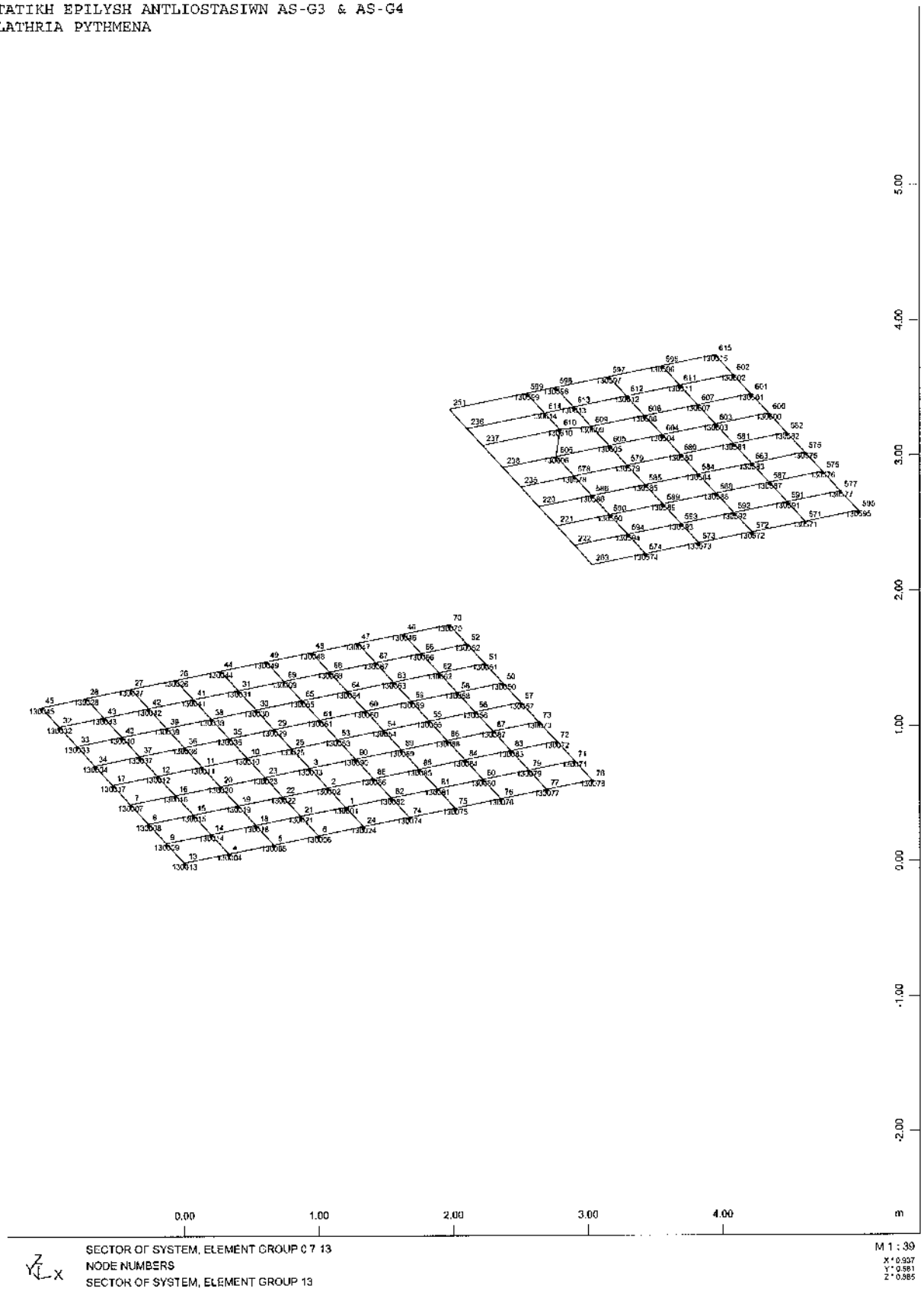
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
PLAKA OROFHS ANTLIOSTASIOY KAI VANOSTASIOY



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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
ELATHRIA PYTHMENA



SECTOR OF SYSTEM, ELEMENT GROUP 6 7 13
NODE NUMBERS
SECTOR OF SYSTEM, ELEMENT GROUP 13
ELEMENT NUMBERS

M 1 : 39
X = 0.937
Y = 0.581
Z = 0.585

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO

Definition of load type in this output:
PZZ - load in global direction Z in reference to the element length
PZP - load in global direction Z in reference to the projection
Pz - load in local direction z
PG - load in dead load direction in reference to the element length

Load Case 1 IDIO BAROS
Factor forces and moments 1.000
Factor dead weight DL-ZZ -1.000

Load Case 2 PROSTHETA MONIMA
Factor forces and moments 1.000

Load Case 3 WTHHS.GAIWN.XWRIS.YRD.ORIZ.
Factor forces and moments 1.000

Load Case 4 WTHHS.GAIWN.ME.YRD.ORIZ.
Factor forces and moments 1.000

Load Case 5 ESWTERIKO NERO THALAMOY 1
Factor forces and moments 1.000

Load Case 6 ESWTERIKO NERO THALAMOY 2
Factor forces and moments 1.000

Load Case 7 ESWTERIKO NERO THALAMOY 3
Factor forces and moments 1.000

Load Case 8 ESWTERIKO NERO THALAMOY 4
Factor forces and moments 1.000

Load Case 9 KINHTO ANW PLAKAS
Factor forces and moments 1.000

Load Case 10 WTH. KINHTOY - TOIXWMATA T1 & T7
Factor forces and moments 1.000

Load Case 11 WTH. KINHTOY - TOIXWMA T2 & T8
Factor forces and moments 1.000

Load Case 12 WTH. KINHTOY - TOIXWMA T3 & T9
Factor forces and moments 1.000

Load Case 13 WTH. KINHTOY - TOIXWMA T4
Factor forces and moments 1.000
Sum of Reactions and Loads

load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
1	0.0	0.0	670.6			
	0.0	0.0	-670.6	0.00	0.00	0.00
2	0.0	0.0	17.5			
	0.0	0.0	-17.5	0.00	0.00	0.00
3	0.9	0.0	0.0			
	-0.9	0.0	0.0	0.00	0.00	0.00
4	1.1	0.0	0.0			
	-1.1	0.0	0.0	0.00	0.00	0.00

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO

load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
5	0.9	0.0	154.6			
	-0.9	0.0	-154.6	0.00	0.00	0.00
6	-0.9	-2.1	98.7			
	0.9	2.1	-98.7	0.00	0.00	0.00
7	-0.9	2.1	98.7			
	0.9	-2.1	-98.7	0.00	0.00	0.00
8	0.0	0.0	124.8			
	0.0	0.0	-124.8	0.00	0.00	0.00
9	0.0	0.0	73.0			
	0.0	0.0	-73.0	0.00	0.00	0.00
10	0.0	-109.2	0.0			
	0.0	109.2	0.0	0.00	0.00	0.00
11	69.4	0.0	0.0			
	-69.4	0.0	0.0	0.00	0.00	0.00
12	0.0	109.2	0.0			
	0.0	-109.2	0.0	0.00	0.00	0.00
13	-62.6	0.0	0.0			
	62.6	0.0	0.0	0.00	0.00	0.00

SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
THERMOKRASIAKA FORTIA

Definition of load type in this output:
PZZ - load in global direction Z in reference to the element length
PZP - load in global direction Z in reference to the projection
Pz - load in local direction z
PG - load in dead load direction in reference to the element length

Load Case 15 SYRRIKNWSH
Factor forces and moments 1.000

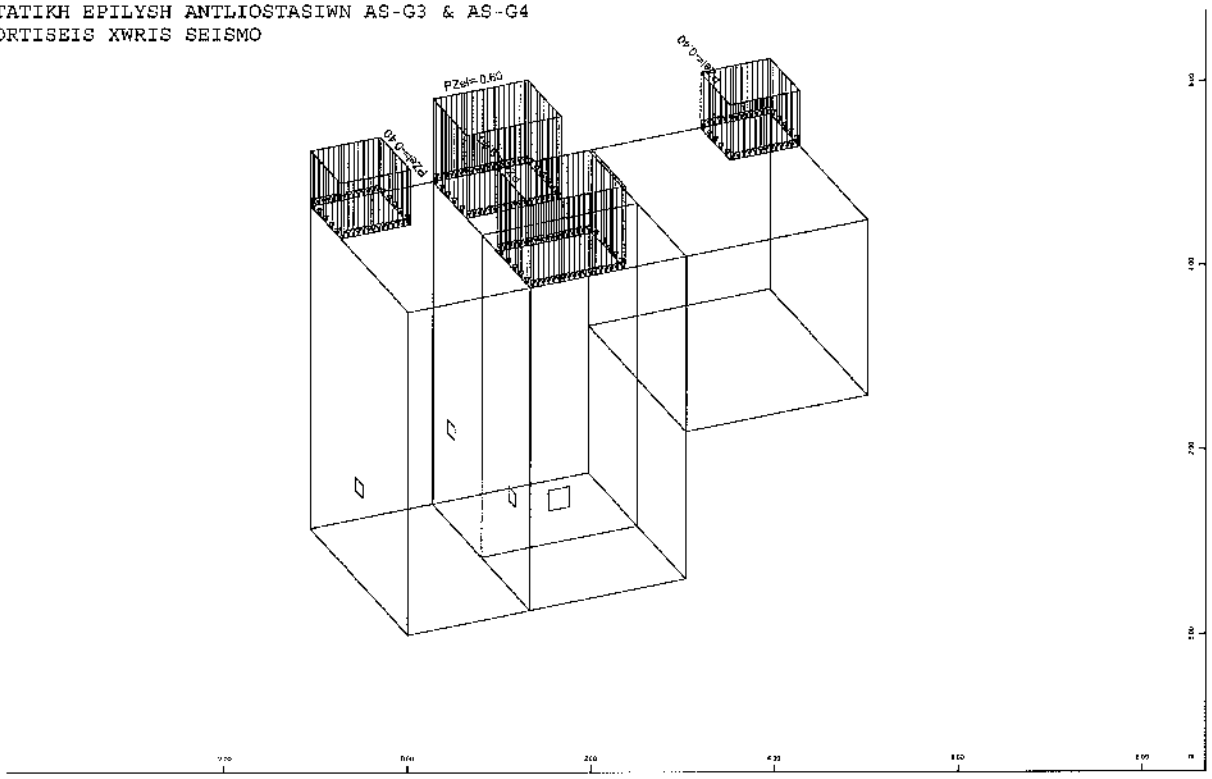
Load Case 16 dT +7/-3.5 MESA-EKSW
Factor forces and moments 1.000

Load Case 17 OMOIOM. METABOLH DT=+20
Factor forces and moments 1.000
Sum of Reactions and Loads

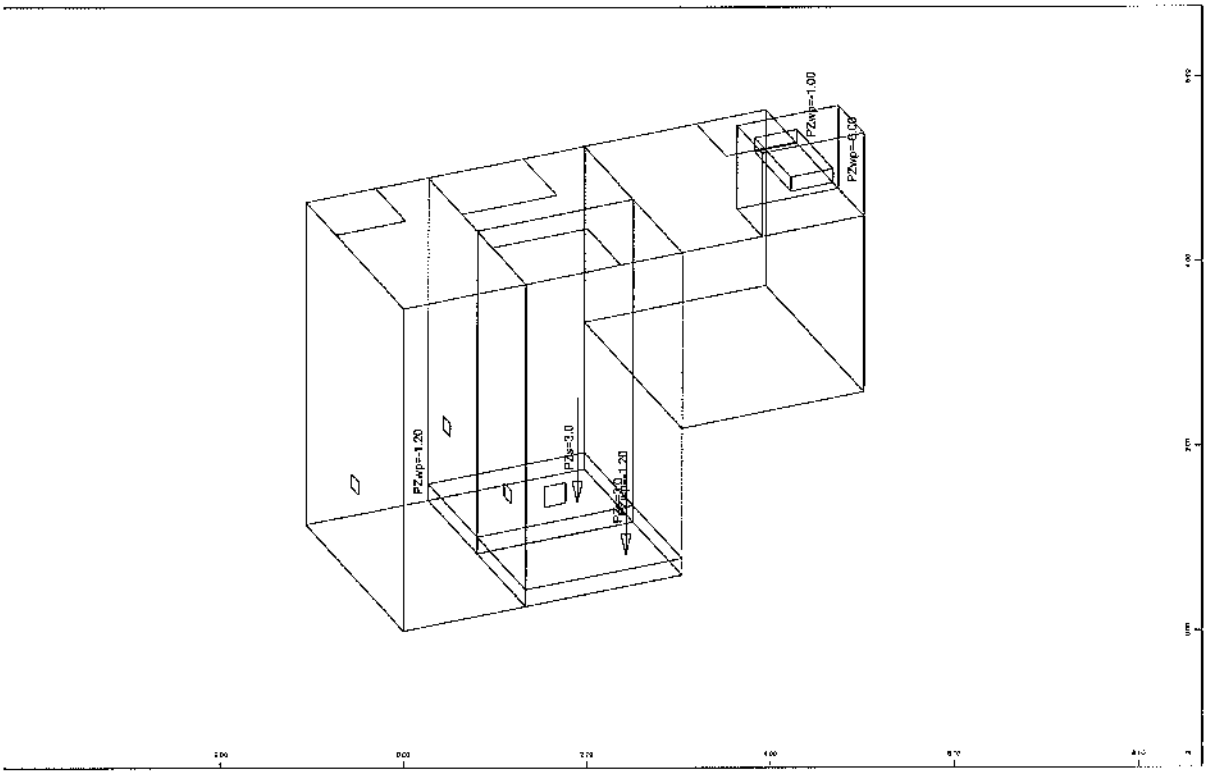
load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
15	0.0	0.0	0.0			
	0.0	0.0	0.0	0.00	0.00	0.00
16	0.0	0.0	0.0			
	0.0	0.0	0.0	0.00	0.00	0.00
17	0.0	0.0	0.0			
	0.0	0.0	0.0	0.00	0.00	0.00

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



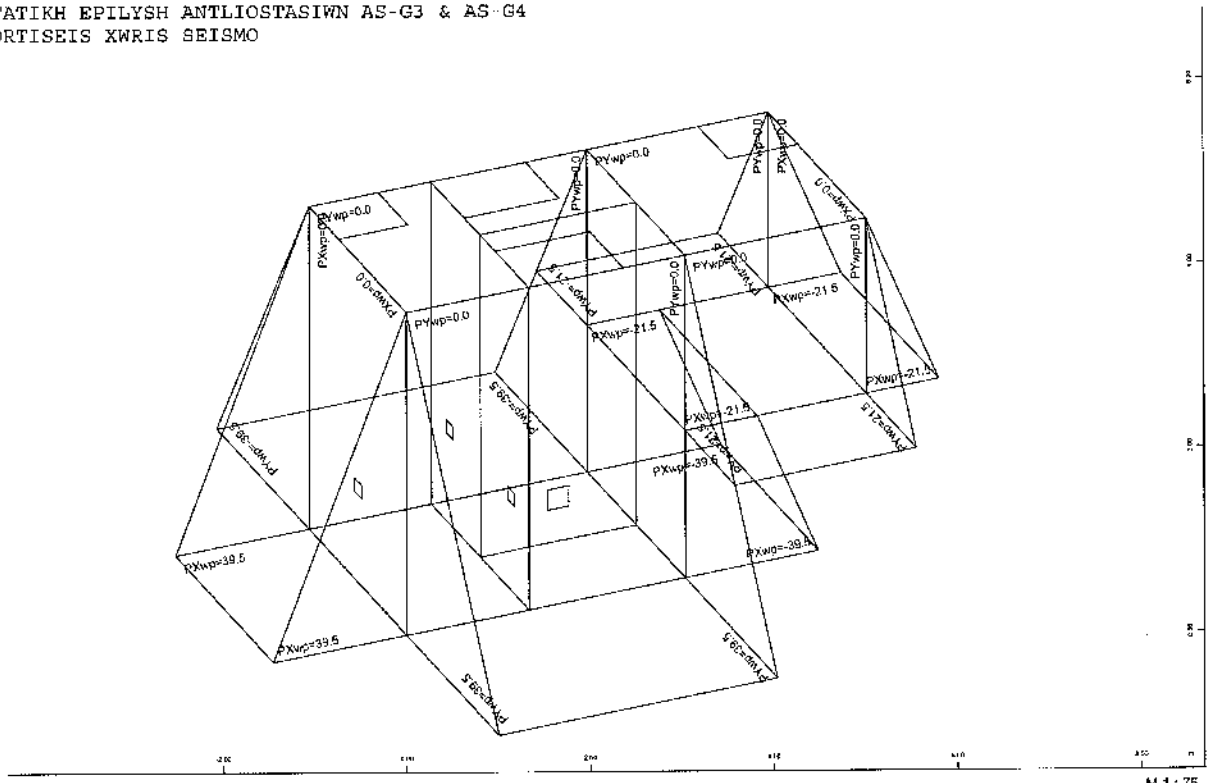
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 1 IDIO BAROS (1 CM=) - ON EDGES(PGel=0.50 kN/m)
M 1 : 75
X = 0.937
Y = 0.581
Z = 0.885



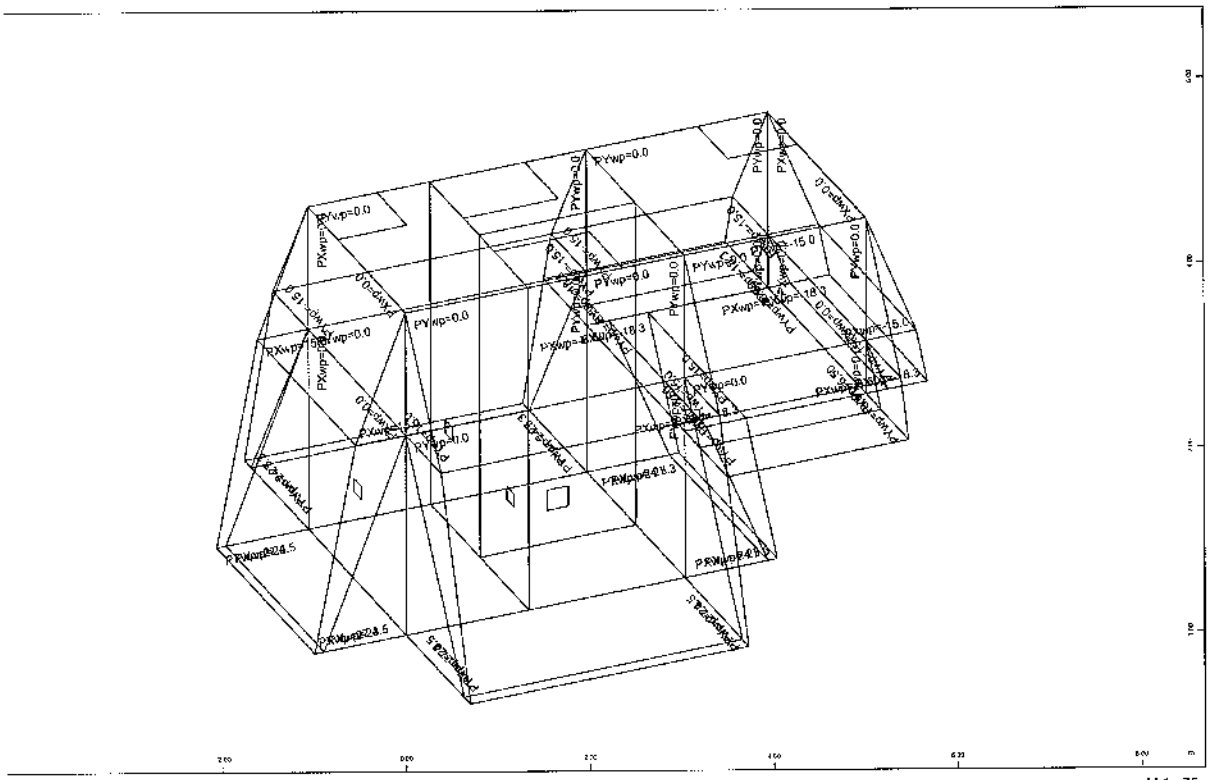
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 2 PROSTHETA MONIMA (1 CM=) - FREE(PGs=2.0 kN,PGwp=5.00 kN/m2)
M 1 : 75
X = 0.937
Y = 0.581
Z = 0.885

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



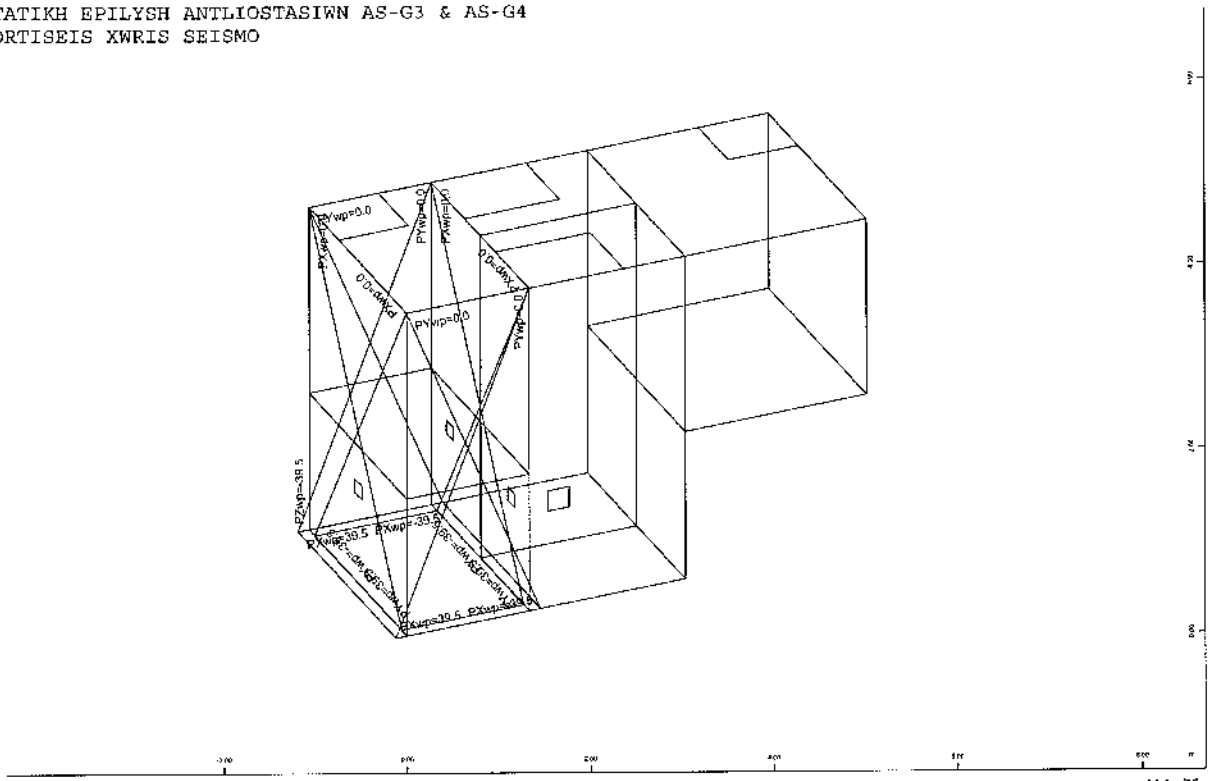
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 3 WTHHS,GAIWN,XWRIS,YRD,OR (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 75



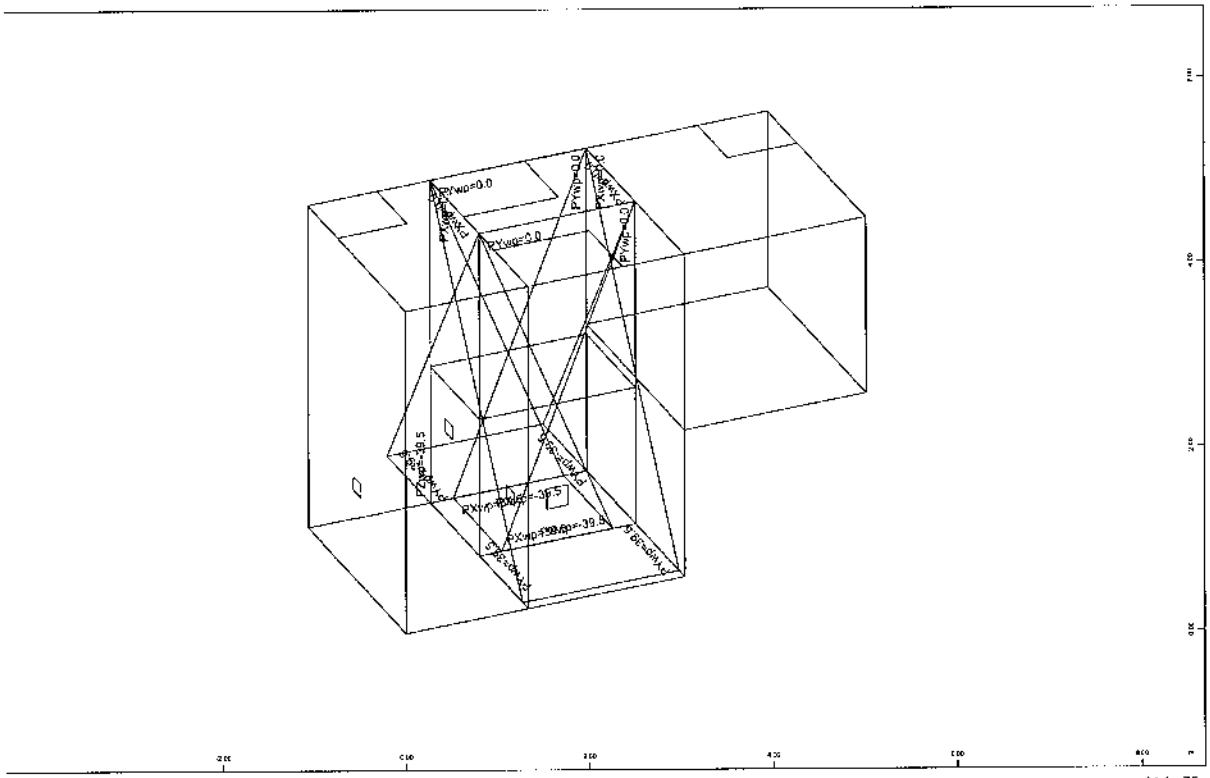
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 4 WTHHS,GAIWN,ME,YRD,ORIZ. (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 75

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



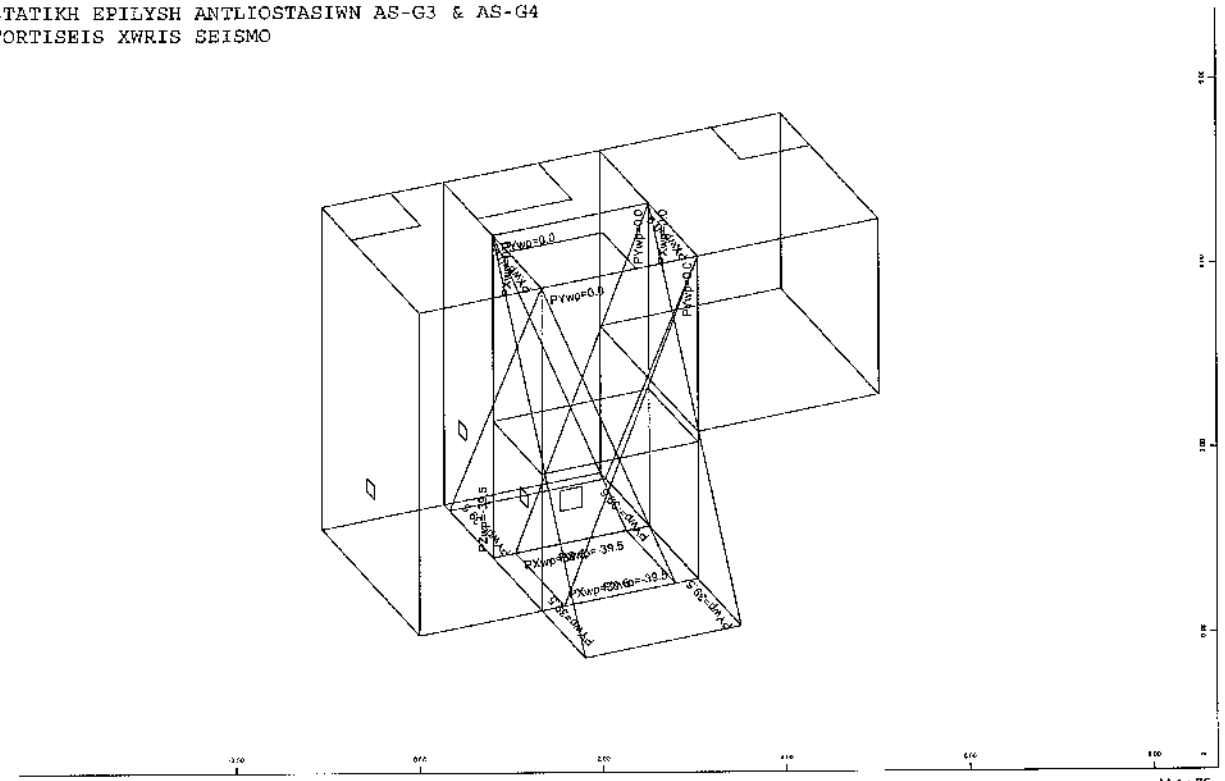
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 5 ESWTERIKO NERO THALAMOY (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 75



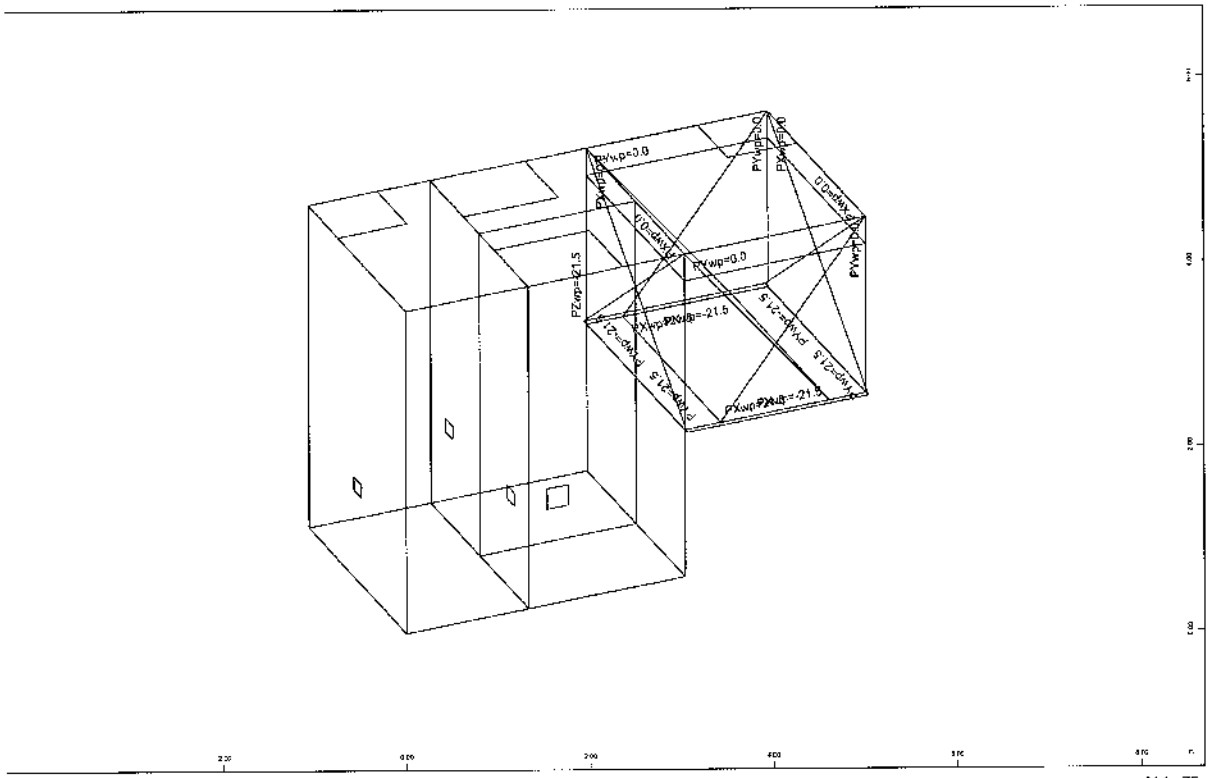
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 6 ESWTERIKO NERO THALAMOY (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 75

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



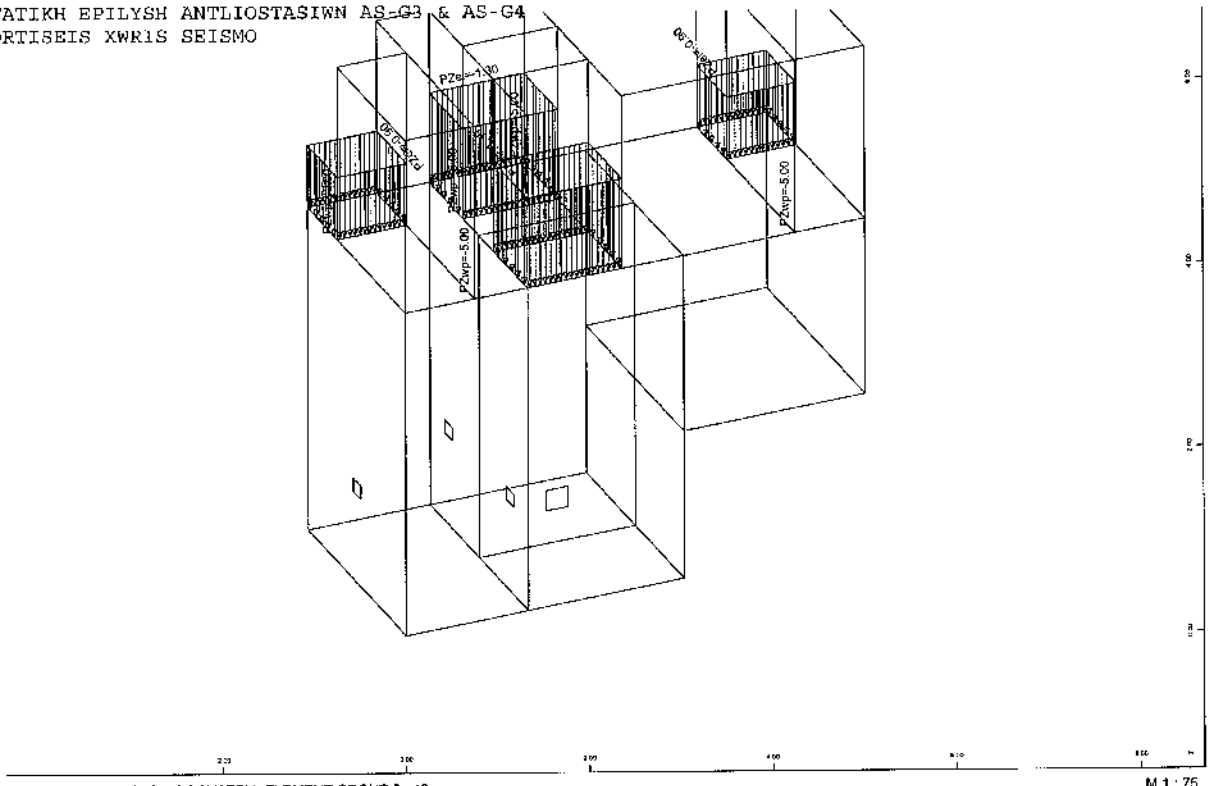
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 7 ESWTERIKO NERO THALAMOY (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 75



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 8 ESWTERIKO NERO THALAMOY (1 CM=) - FREE(PGwp=10.0 kN/m2)
M 1 : 75

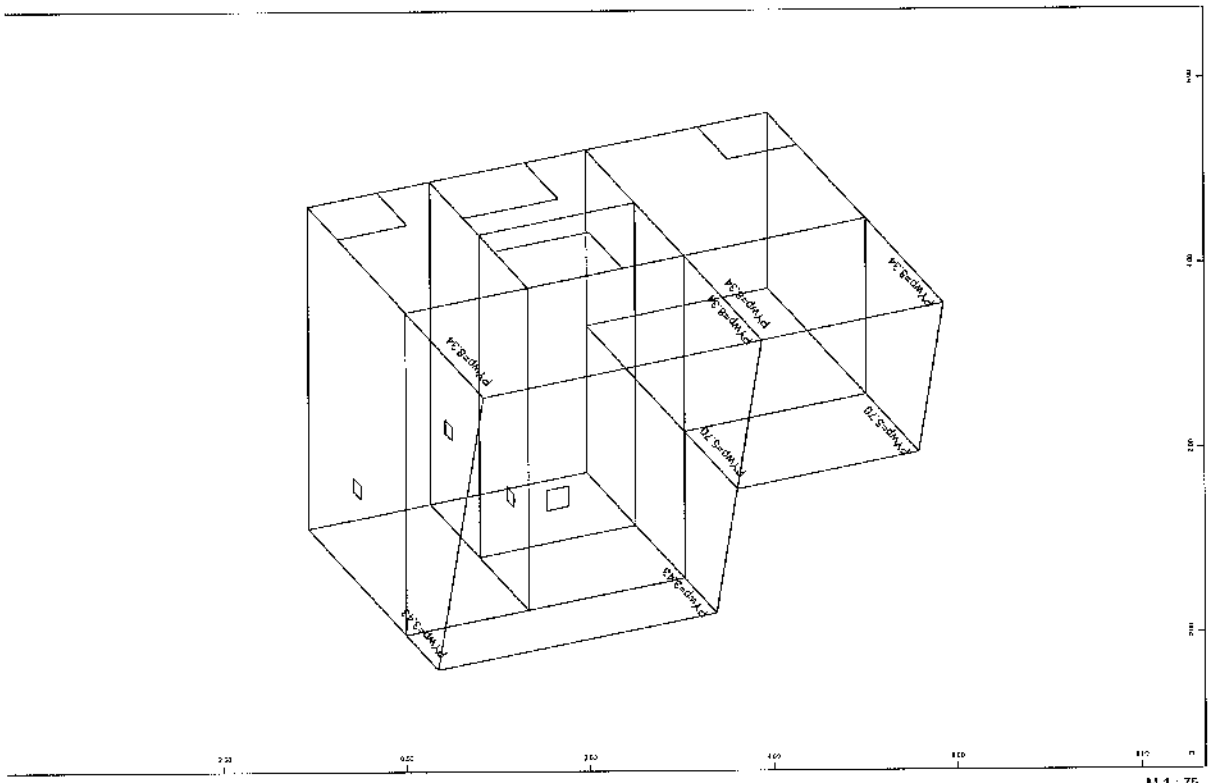
SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 9 KINHTO ANW PLAKAS (1 CM=) - FREE(PGwp=2.00 kN/m2)
LOADS LC 9 KINHTO ANW PLAKAS (1 CM=) - ON EDGES(PGe=1.00 kN/m)

M 1 : 75

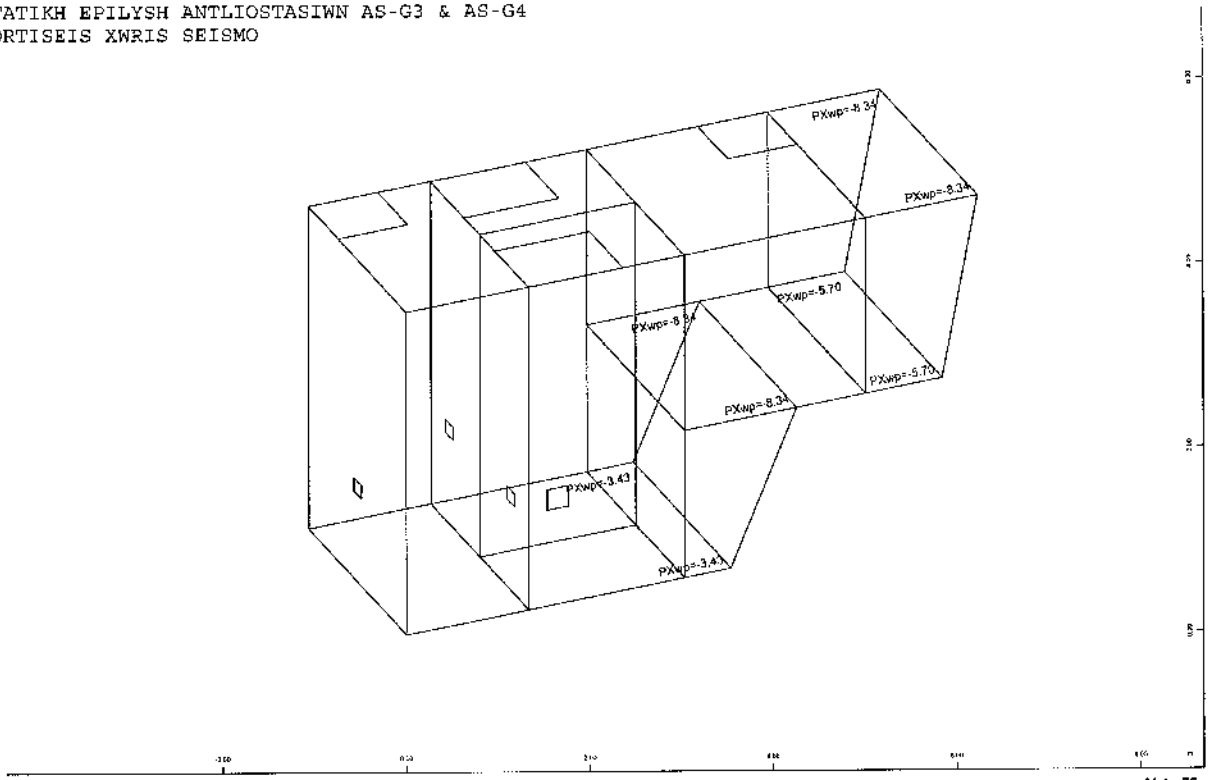


SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 10 WTH. KINHTOY - TOIXWMATA (1 CM=) - FREE(PGwp=5.00 kN/m2)

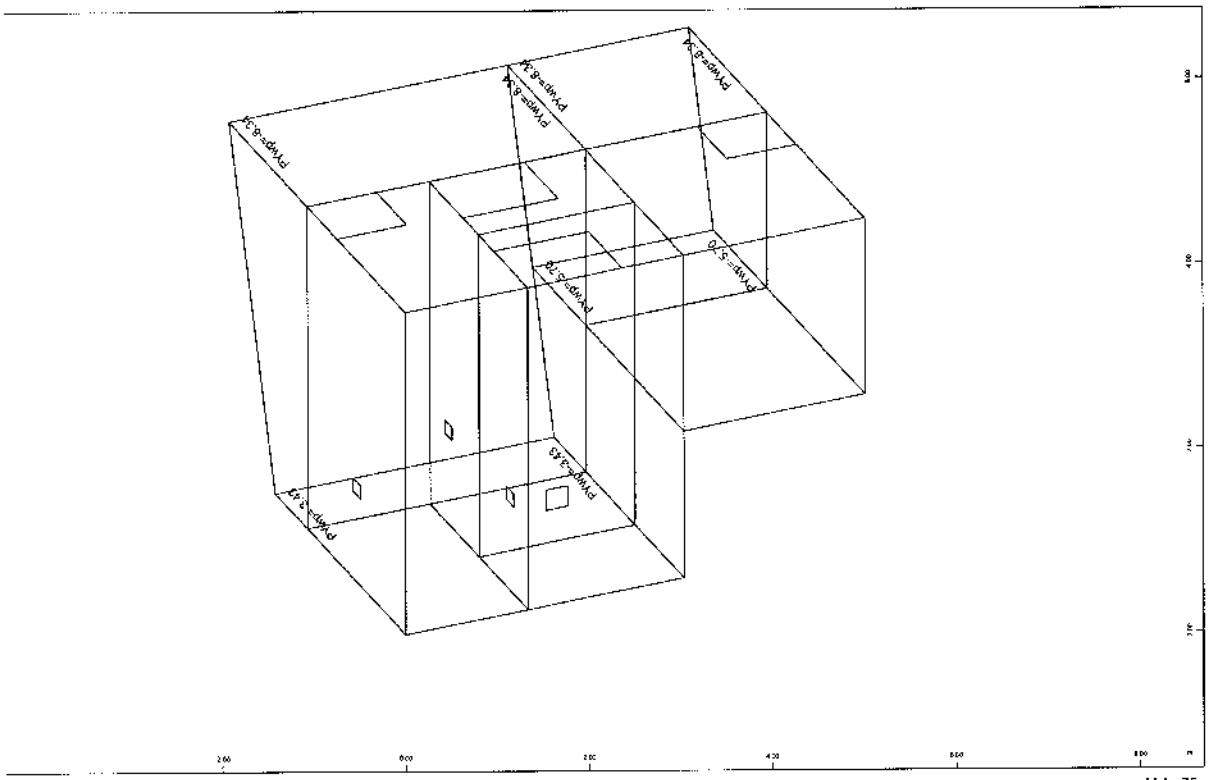
M 1 : 75

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



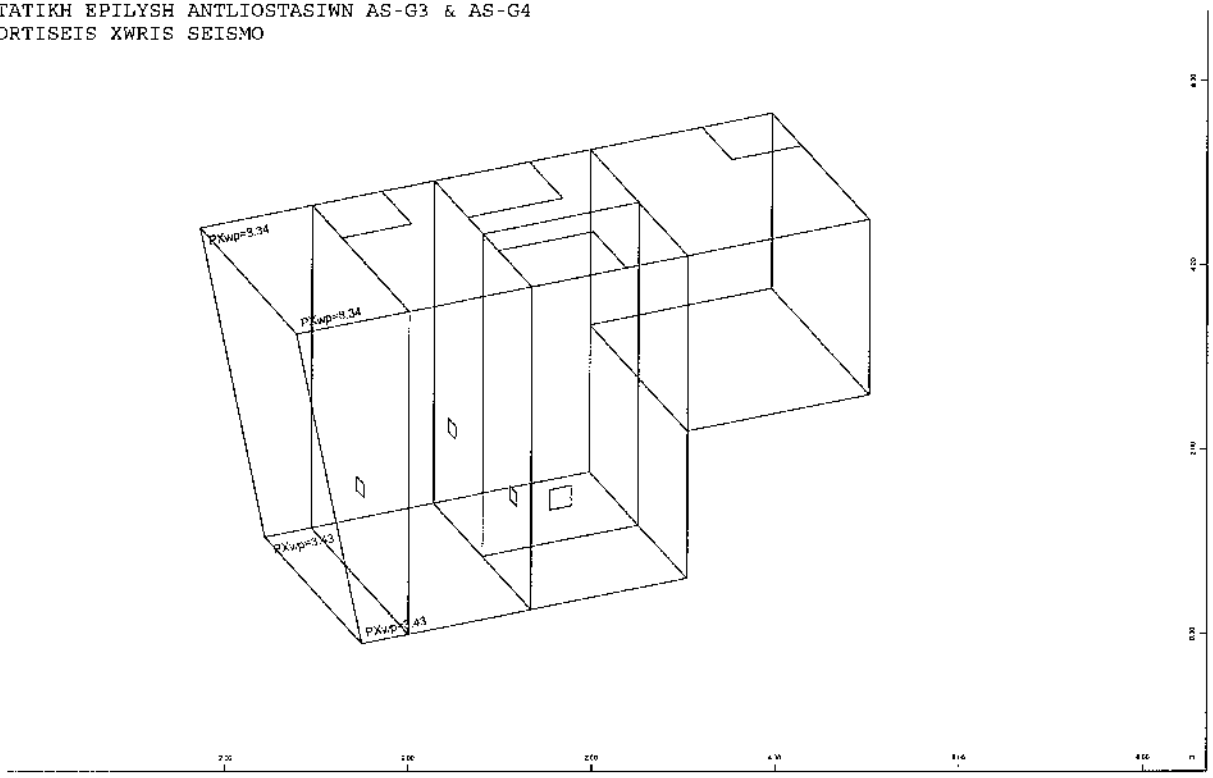
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 11 WTH. KINHTOY - TOIXWMA T (1 CM=) - FREE(PGwp=5.00 kN/m2)
M 1 : 75



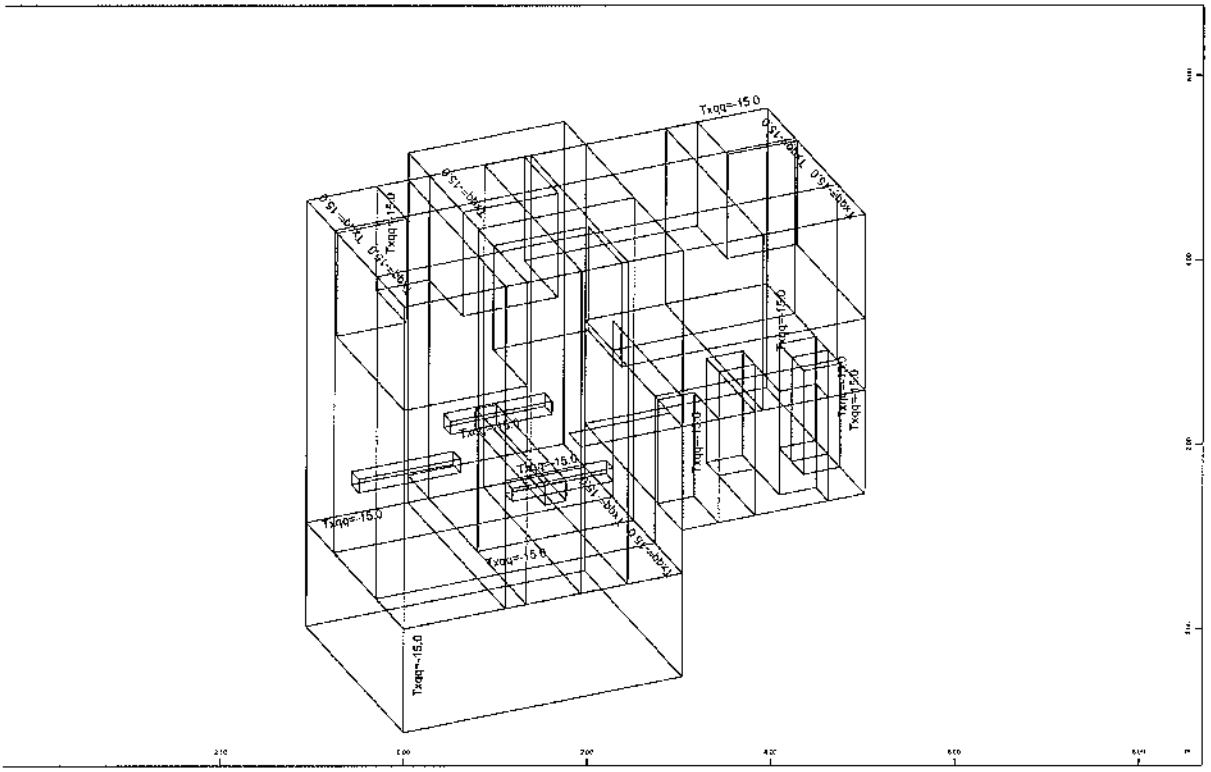
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 12 WTH. KINHTOY - TOIXWMA T (1 CM=) - FREE(PGwp=5.00 kN/m2)
M 1 : 75

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO



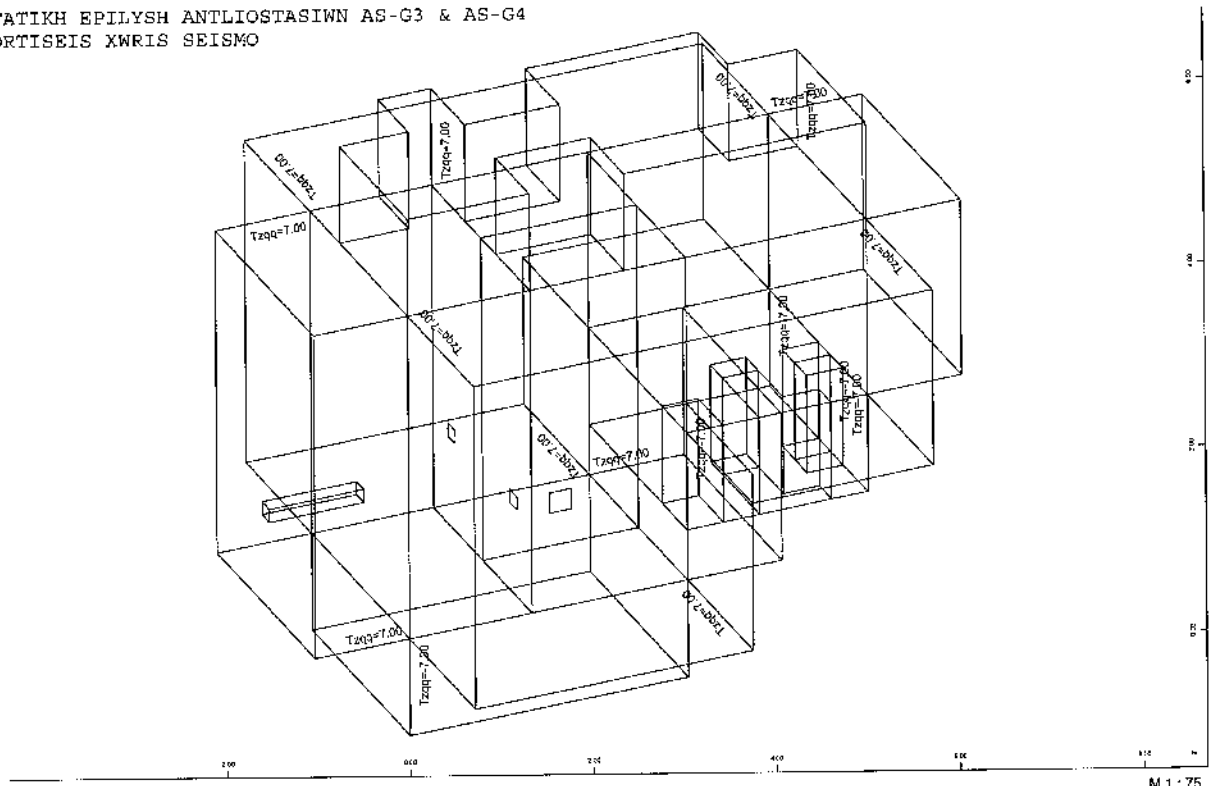
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 13 WTH. KINHTOY - TOIXWMA T (1 CM=) - FREE(PGwp=5.00 kN/m2)
M 1 : 75



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 15 SYRRIKNWSH (1 CM=) - ON AREA-ELEMENTS(TLqq=10.0 grad)
M 1 : 75

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS XWRIS SEISMO


Tzqq=7.00
Tzqq=-7.00
Tzqq=7.00
Tzqq=-7.00
Tzqq=7.00
Tzqq=-7.00

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA X

Definition of load type in this output:
PZZ - load in global direction Z in reference to the element length
PZP - load in global direction Z in reference to the projection
Pz - load in local direction z
PG - load in dead load direction in reference to the element length

Load Case 21 SEISMOS IDIOY BAROYS
Factor forces and moments 1.000
Factor dead weight DL-XX 0.240

Load Case 22 SEISMOS PR. MONIMWN
Factor forces and moments 1.000

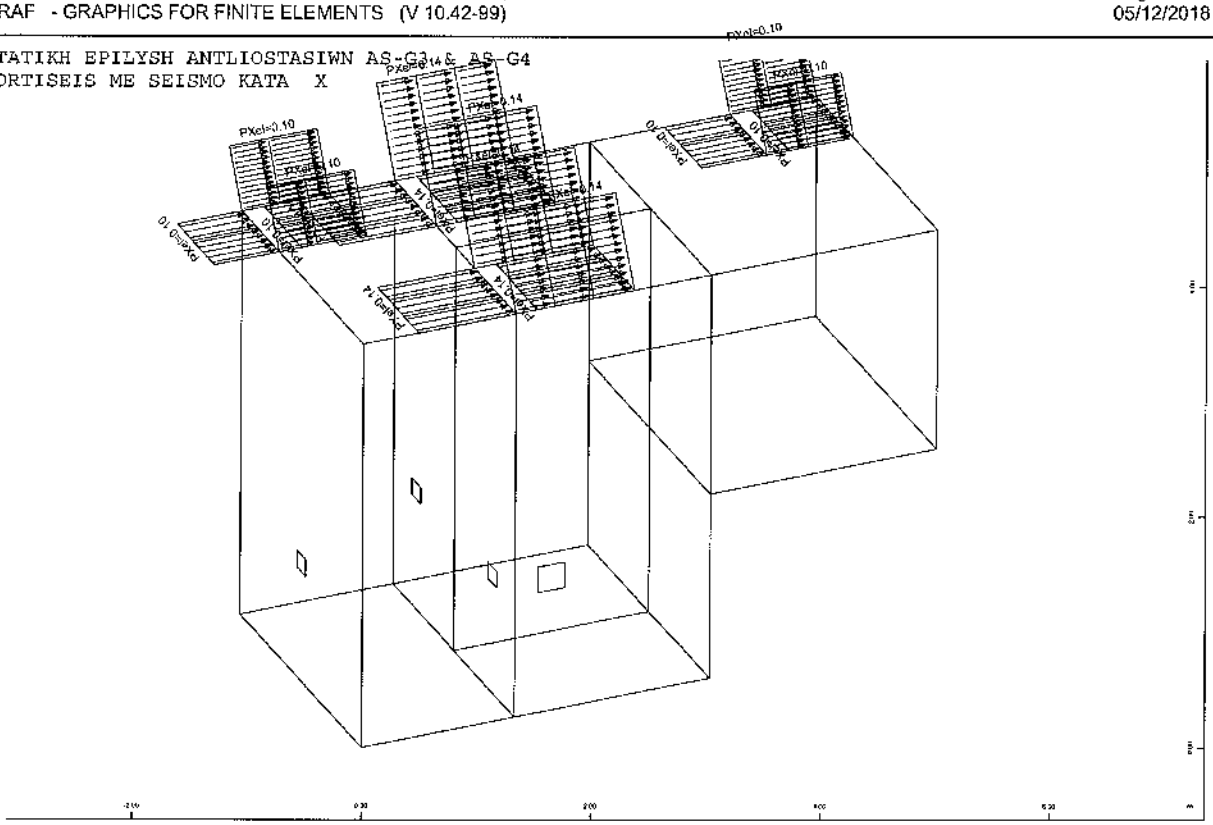
Load Case 23 PROSTHETES OMOFORES WTHHSEIS
Factor forces and moments 1.000

Load Case 29 SEISMOS KINHTOY ANW PLAKAS
Factor forces and moments 1.000
Sum of Reactions and Loads

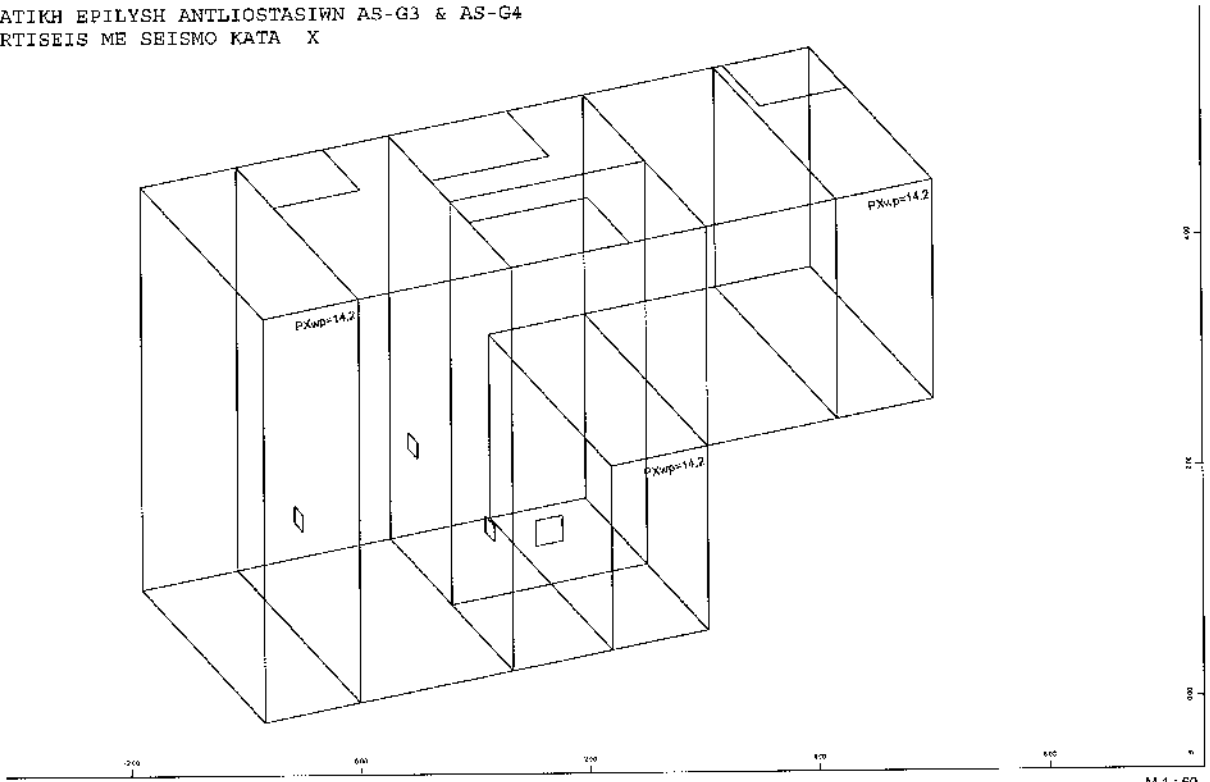
load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
21	-161.0	0.0	0.0			
	161.0	0.0	0.0	0.00	0.00	0.00
22	-4.2	0.0	0.0			
	4.2	0.0	0.0	0.00	0.00	0.00
23	-302.9	0.0	0.0			
	302.9	0.0	0.0	0.00	0.00	0.00
29	-17.5	0.0	0.0			
	17.5	0.0	0.0	0.00	0.00	0.00

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA X

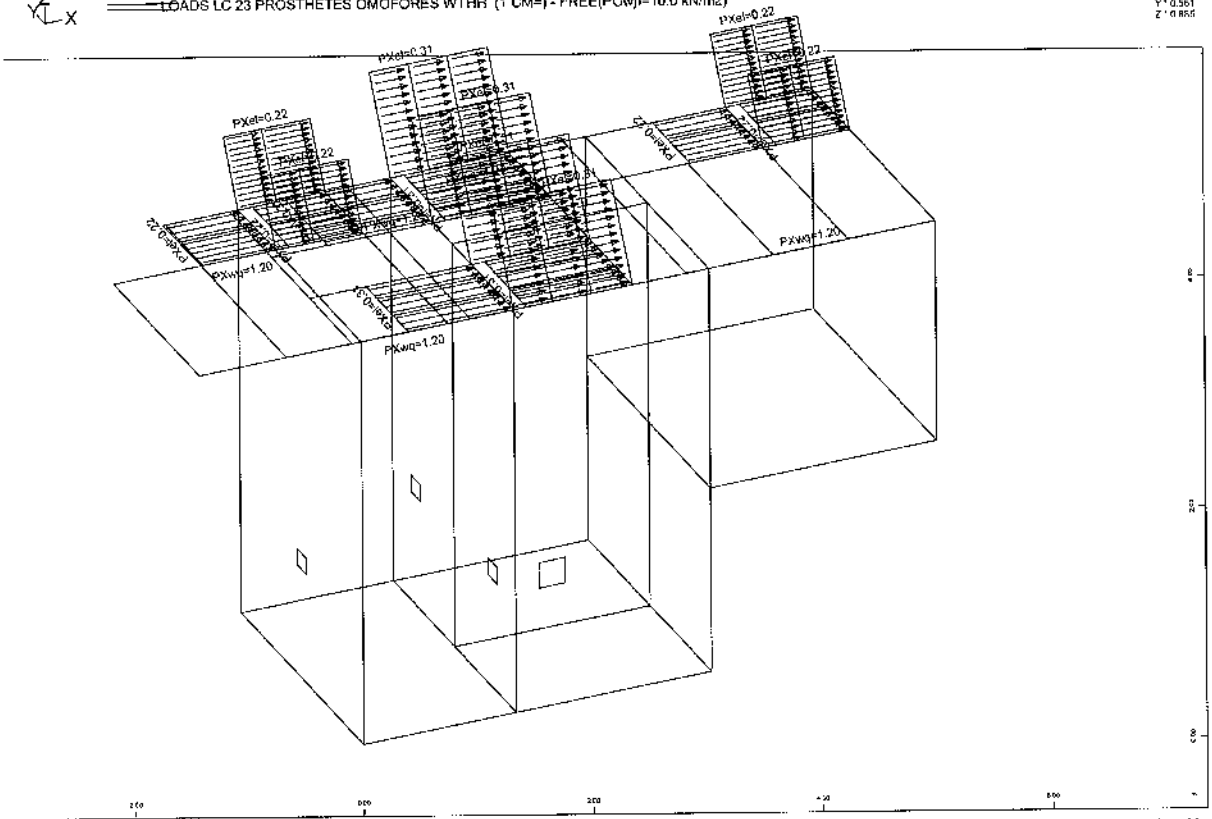

PXel=0.10
PXel=0.14
PXel=0.10
PXel=0.14
PXel=0.10
PXel=0.14

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA X



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 23 PROSTHETES OMOFORES WTHH (1 CM=) - FREE(PGwp=10.0 kN/m2)

M 1 : 60



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 29 SEISMOS KINHTOY ANW PLAK (1 CM=) - FREE(PGwq=0.50 kN/m2)
LOADS LC 29 SEISMOS KINHTOY ANW PLAK (1 CM=) - ON EDGES(PGel=0.20 kN/m)

M 1 : 60

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA Y

Definition of load type in this output:
PZZ - load in global direction Z in reference to the element length
PZP - load in global direction Z in reference to the projection
Pz - load in local direction z
PG - load in dead load direction in reference to the element length

Load Case 31 SEISMOS IDIOY BAROYS
Factor forces and moments 1.000
Factor dead weight DL-YY 0.240

Load Case 32 SEISMOS PR. MONIMWN
Factor forces and moments 1.000

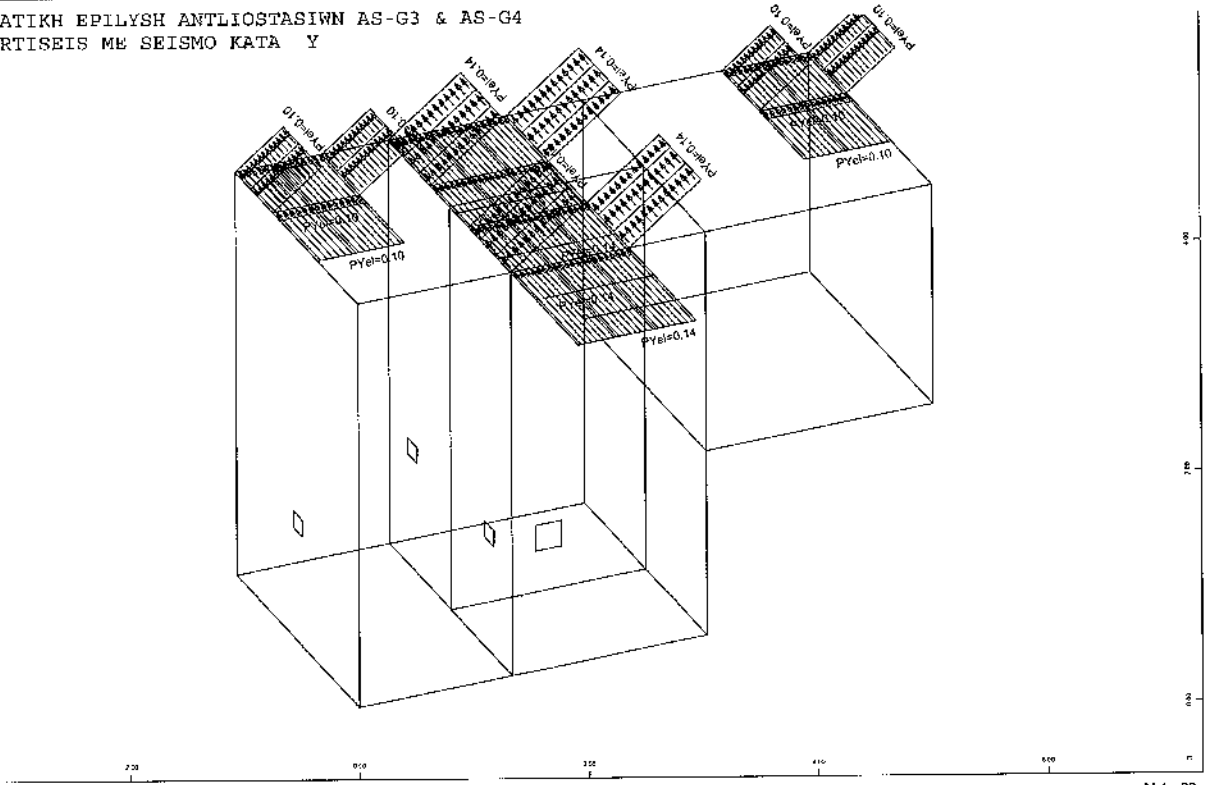
Load Case 33 PROSTHETES OMOFORES WTHHSEIS
Factor forces and moments 1.000

Load Case 39 SEISMOS KINHTOY ANW PLAKAS
Factor forces and moments 1.000
Sum of Reactions and Loads

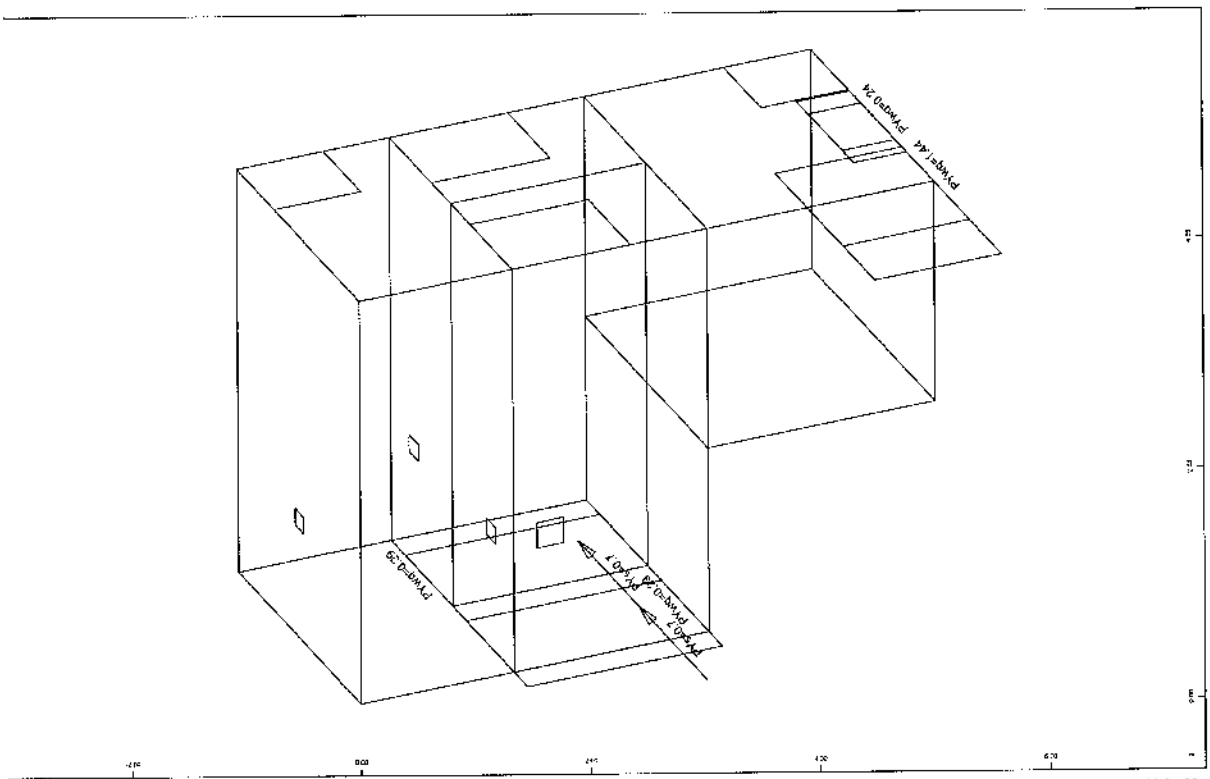
load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
31	0.0	-161.0	0.0			
	0.0	161.0	0.0	0.00	0.00	0.00
32	0.0	-4.2	0.0			
	0.0	4.2	0.0	0.00	0.00	0.00
33	0.0	-502.2	0.0			
	0.0	502.2	0.0	0.00	0.00	0.00
39	0.0	-17.5	0.0			
	0.0	17.5	0.0	0.00	0.00	0.00

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA Y



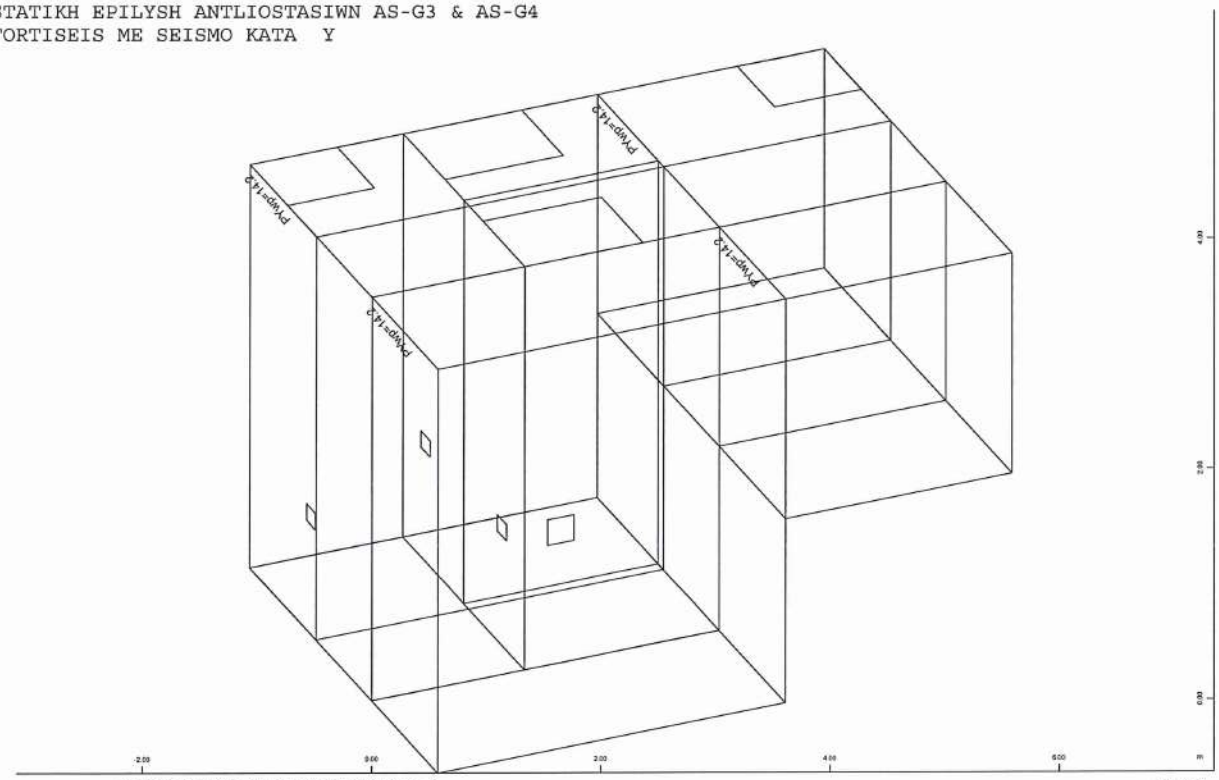
SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 31 SEISMOS IDIOY BAROYS (1 CM=) - ON EDGES(PGal=0.10 kN/m)
M 1 : 60



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 32 SEISMOS PR. MONIMWN (1 CM=) - FREE(PGs=0.5 kN,PGwq=1.00 kN/m2
M 1 : 60

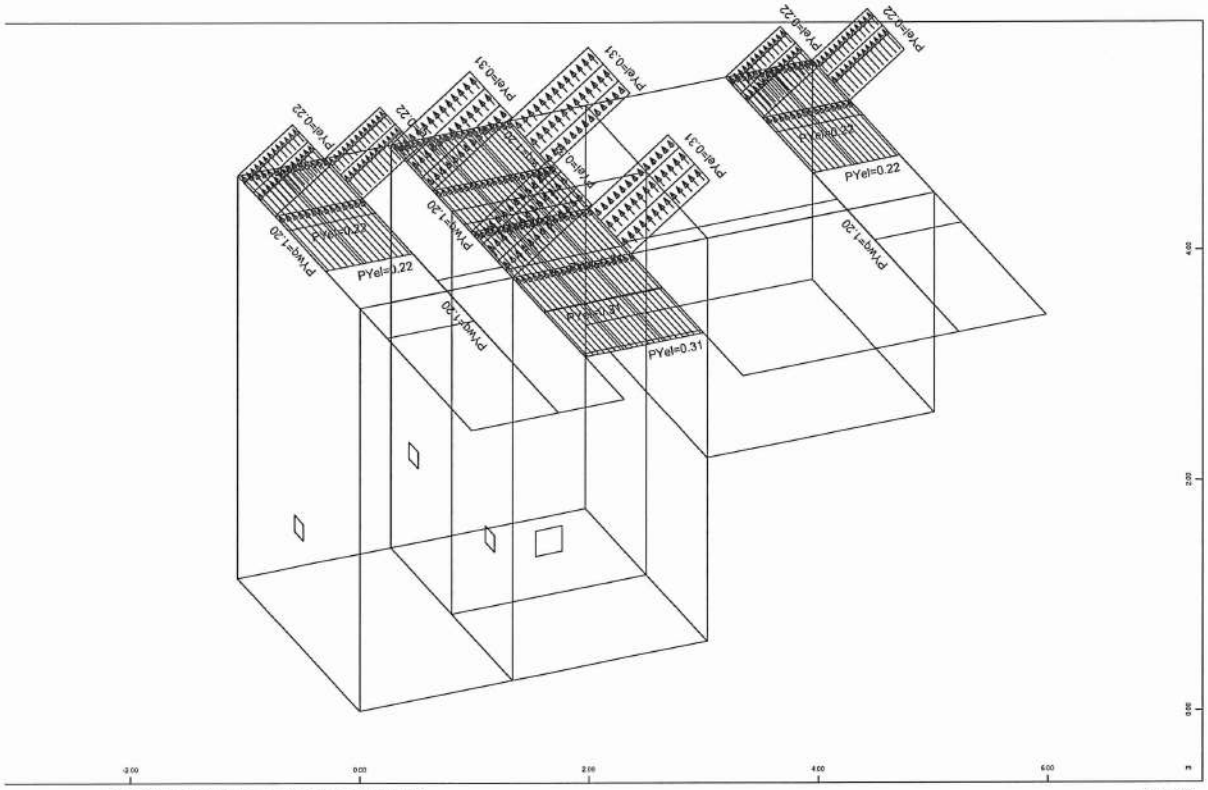
SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
FORTISEIS ME SEISMO KATA Y



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 33 PROSTHETES OMOFORES WTHH (1 CM=) - FREE(PGwp=10.0 kN/m2)

M 1 : 60
X * 0.937
Y * 0.581
Z * 0.885



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 39 SEISMOS KINHTOY ANW PLAK (1 CM=) - FREE(PGwq=0.50 kN/m2)
LOADS LC 39 SEISMOS KINHTOY ANW PLAK (1 CM=) - ON EDGES(PGel=0.20 kN/m)

M 1 : 60
X * 0.937
Y * 0.581
Z * 0.885

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
ANTIFORES AYKSHSEIS WTHHSEWN GAIWN

Definition of load type in this output:
PZZ - load in global direction Z in reference to the element length
PZP - load in global direction Z in reference to the projection
Pz - load in local direction z
PG - load in dead load direction in reference to the element length

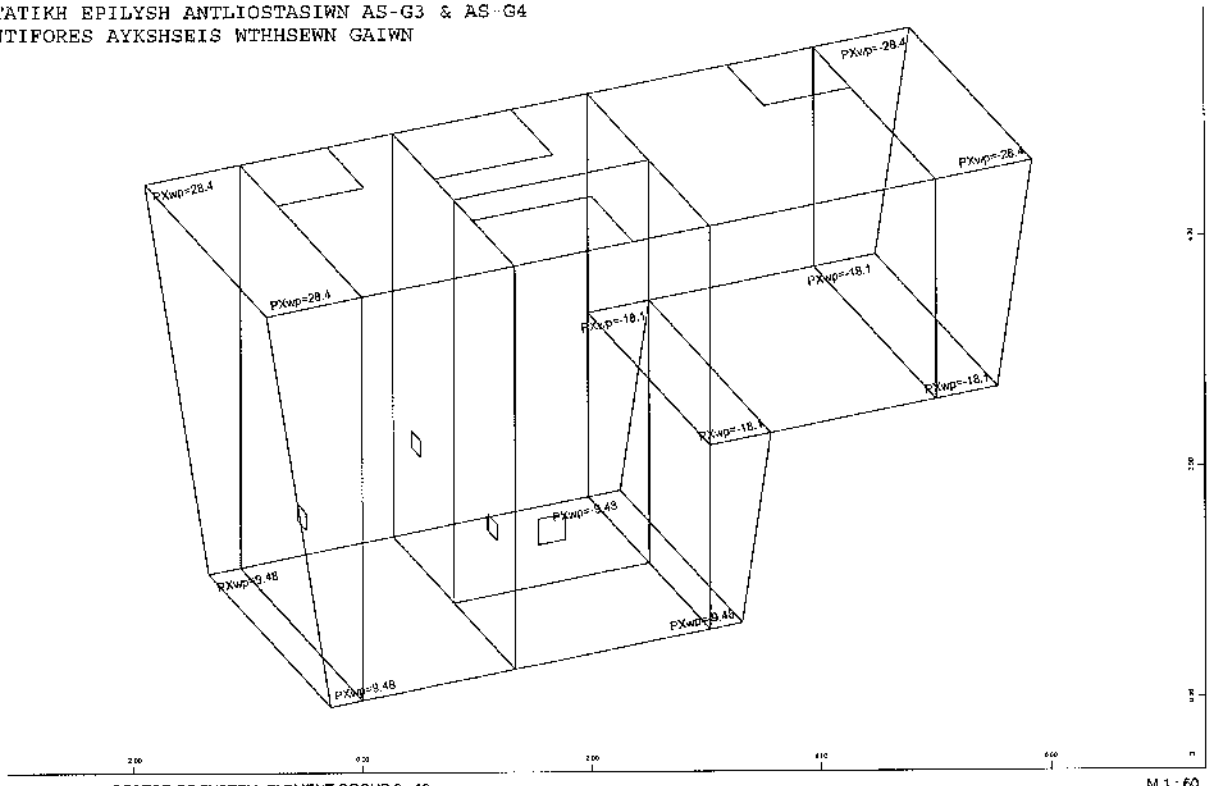
Load Case 61 ANTIF. WTH. KATA X-X
Factor forces and moments 1.000

Load Case 62 ANTIF. WTH. KATA Y-Y
Factor forces and moments 1.000
Sum of Reactions and Loads

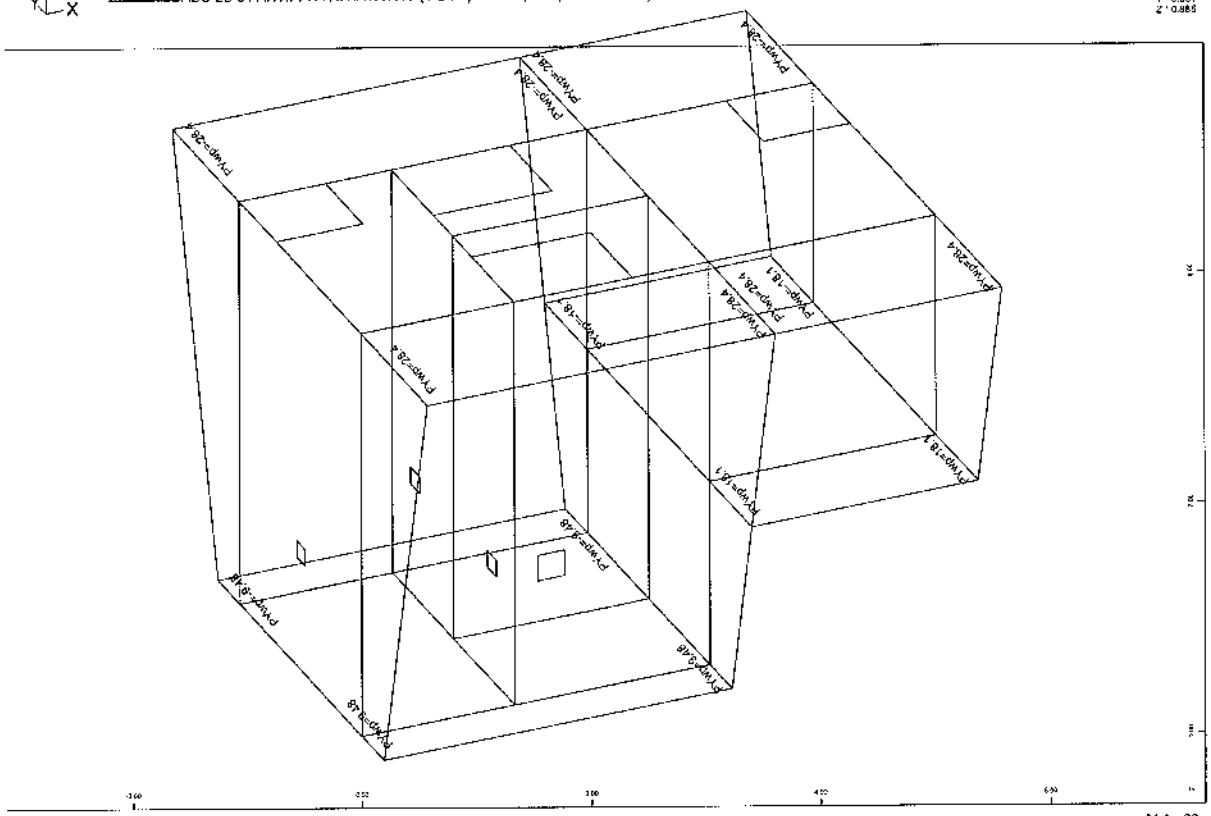
load case	P-X [kN]	P-Y [kN]	P-Z [kN]	M-X [kNm]	M-Y [kNm]	M-Z [kNm]
61	0.5	0.0	0.0			
	-0.5	0.0	0.0	0.00	0.00	0.00
62	0.0	0.0	0.0			
	0.0	0.0	0.0	0.00	0.00	0.00

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
ANTIFORES AYKSHSEIS WTHHSEWN GAIWN



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 61 ANTIF. WTH. KATA X-X (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 60



SECTOR OF SYSTEM, ELEMENT GROUP 0...12
LOADS LC 62 ANTIF. WTH. KATA Y-Y (1 CM=) - FREE(PGwp=20.0 kN/m2)
M 1 : 60

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN XWRIS SEISMO / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
B1		1.50	0.00	0.00	0.00	0.00	1.00	dT +7/-3.5 MESA-EKSW
	16	1.00	Alternative LC A 3					dT +7/-3.5 MESA-EKSW
	16	-0.50	Alternative LC A 3					dT +7/-3.5 MESA-EKSW
B2		1.50	0.00	0.00	0.00	0.00	1.00	OMOIOM. METABOLH DT=+20
	17	1.00	Alternating LC					OMOIOM. METABOLH DT=+20
C		1.50	0.00	0.60	0.30	0.30	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	10	1.00	Combined with LC					WTH. KINHTOY - TOIXWMATA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	11	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	12	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	13	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		1.50	0.00	0.60	0.30	0.30	1.00	ESWT. NERO
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	8	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	8	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	8	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.35	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Dead Load					PROSTHETA MONIMA
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
151	MAX-MX
152	MIN-MX
153	MAX-MY
154	MIN-MY
155	MAX-MXY
156	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN GIA ELEGXO RHGMATWSHS / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
B1		1.00	0.00	0.00	0.00	0.00	1.00	dT +7/-3.5 MESA-EKSW
	16	1.00	Alternative LC A 3					dT +7/-3.5 MESA-EKSW
	16	-0.50	Alternative LC A 3					dT +7/-3.5 MESA-EKSW
B2		1.00	0.00	0.00	0.00	0.00	1.00	OMOIOM. METABOLH DT=+20
	17	1.00	Alternating LC					OMOIOM. METABOLH DT=+20
C		1.00	0.00	0.60	0.30	0.30	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	10	1.00	Combined with LC					WTH. KINHTOY - TOIXWMATA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	11	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	12	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	13	1.00	Combined with LC					WTH. KINHTOY - TOIXWMA T
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		1.00	0.00	0.60	0.30	0.30	1.00	ESWT. NERO
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	8	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	5	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	8	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
	8	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Dead Load					PROSTHETA MONIMA
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
161	MAX-MX
162	MIN-MX
163	MAX-MY
164	MIN-MY
165	MAX-MXY
166	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO +(X-X)+0.3(Y-Y) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	21	1.00	Combined with LC					SEISMOS IDIOY BAROYS
	22	1.00	Combined with LC					SEISMOS PR. MONIMWN
	31	0.30	Combined with LC					SEISMOS IDIOY BAROYS
	32	0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
201	MAX-MX
202	MIN-MX
203	MAX-MY
204	MIN-MY
205	MAX-MXY
206	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO +(X-X)-0.3(Y-Y) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	-0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	21	1.00	Combined with LC					SEISMOS IDIOY BAROYS
	22	1.00	Combined with LC					SEISMOS PR. MONIMWN
	31	-0.30	Combined with LC					SEISMOS IDIOY BAROYS
	32	-0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
211	MAX-MX
212	MIN-MX
213	MAX-MY
214	MIN-MY
215	MAX-MXY
216	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO -(X-X)+0.3(Y-Y) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	-1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	21	-1.00	Combined with LC					SEISMOS IDIOY BAROYS
	22	-1.00	Combined with LC					SEISMOS PR. MONIMWN
	31	0.30	Combined with LC					SEISMOS IDIOY BAROYS
	32	0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
221	MAX-MX
222	MIN-MX
223	MAX-MY
224	MIN-MY
225	MAX-MXY
226	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO -(X-X)-0.3(Y-Y) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	-1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	-0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	21	-1.00	Combined with LC					SEISMOS IDIOY BAROYS
	22	-1.00	Combined with LC					SEISMOS PR. MONIMWN
	31	-0.30	Combined with LC					SEISMOS IDIOY BAROYS
	32	-0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	23	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	33	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
231	MAX-MX
232	MIN-MX
233	MAX-MY
234	MIN-MY
235	MAX-MXY
236	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO +(Y·Y)+0.3(X-X) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	31	1.00	Combined with LC					SEISMOS IDIOY BAROYS
	32	1.00	Combined with LC					SEISMOS PR. MONIMWN
	21	0.30	Combined with LC					SEISMOS IDIOY BAROYS
	22	0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
241	MAX-MX
242	MIN-MX
243	MAX-MY
244	MIN-MY
245	MAX MXY
246	MIN MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO +(Y-Y)-0.3(X-X) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1' Title
C		0.20	0.00	1.00	1.00	1.00	1.00 KINHTA FORTIA
	9	1.00	Alternative LC A 1				KINHTO ANW PLAKAS
	29	1.00	Combined with LC				SEISMOS KINHTOY ANW PLAK
	39	-0.30	Combined with LC				SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00 ESWT. NERO
	6	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC				ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00 MONIMA FORTIA
	1	1.00	Dead Load				IDIO BAROS
	2	1.00	Combined with LC				PROSTHETA MONIMA
	31	1.00	Combined with LC				SEISMOS IDIOY BAROYS
	32	1.00	Combined with LC				SEISMOS PR. MONIMWN
	21	0.30	Combined with LC				SEISMOS IDIOY BAROYS
	22	0.30	Combined with LC				SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	33	1.00	Combined with LC				PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC				PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	33	1.00	Combined with LC				PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC				PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	33	1.00	Combined with LC				PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC				PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	33	1.00	Combined with LC				PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC				PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load				SYRRIKNWSH

Generated Loadcases

Number	Title
251	MAX-MX
252	MIN-MX
253	MAX-MY
254	MIN-MY
255	MAX-MXY
256	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO -(Y-Y)+0.3(X-X) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	-1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	31	-1.00	Combined with LC					SEISMOS IDIOY BAROYS
	32	-1.00	Combined with LC					SEISMOS PR. MONIMWN
	21	0.30	Combined with LC					SEISMOS IDIOY BAROYS
	22	0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
261	MAX-MX
262	MIN-MX
263	MAX-MY
264	MIN-MY
265	MAX-MXY
266	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME SEISMO -(Y-Y)-0.3(X-X) / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code 0
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1'	Title
C		0.20	0.00	1.00	1.00	1.00	1.00	KINHTA FORTIA
	9	1.00	Alternative LC A 1					KINHTO ANW PLAKAS
	29	-1.00	Combined with LC					SEISMOS KINHTOY ANW PLAK
	39	-0.30	Combined with LC					SEISMOS KINHTOY ANW PLAK
	10	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1					WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00	ESWT. NERO
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2					ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC					ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00	MONIMA FORTIA
	1	1.00	Dead Load					IDIO BAROS
	2	1.00	Combined with LC					PROSTHETA MONIMA
	31	-1.00	Combined with LC					SEISMOS IDIOY BAROYS
	32	-1.00	Combined with LC					SEISMOS PR. MONIMWN
	21	-0.30	Combined with LC					SEISMOS IDIOY BAROYS
	22	-0.30	Combined with LC					SEISMOS PR. MONIMWN
	3	1.00	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	3	0.50	Alternative LC AG					WTHHS.GAIWN.XWRIS.YRD.OR
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	1.00	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	4	0.50	Alternative LC AG					WTHHS.GAIWN.ME.YRD.ORIZ.
	33	-1.00	Combined with LC					PROSTHETES OMOFORES WTHH
	23	-0.30	Combined with LC					PROSTHETES OMOFORES WTHH
	15	1.00	Pattern Load					SYRRIKNWSH

Generated Loadcases

Number	Title
271	MAX-MX
272	MIN-MX
273	MAX-MY
274	MIN-MY
275	MAX-MXY
276	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
SYNDYASMOI FORTISEWN ME ANTIFORH AYKSHSH WTHHSEWN GAIWN / PLAKES - TOIXWMATA

Supperposition according to EC2 - Country code D
Actions and Loadcase selection

type	LC	gam-u factor	gam-f Type of loadcase	psi-0	psi-1	psi-2	psi-1' Title
C		0.20	0.00	1.00	1.00	1.00	1.00 KINHTA FORTIA
	9	1.00	Alternative LC A 1				KINHTO ANW PLAKAS
	10	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMATA
	11	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
	12	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
	13	1.00	Alternative LC A 1				WTH. KINHTOY - TOIXWMA T
D		0.20	0.00	1.00	1.00	1.00	1.00 ESWT. NERO
	6	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	7	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	6	1.00	Alternative LC A 2				ESWTERIKO NERO THALAMOY
	7	1.00	Combined with LC				ESWTERIKO NERO THALAMOY
G		1.00	1.00	1.00	1.00	1.00	1.00 MONIMA FORTIA
	1	1.00	Dead Load				IDIO BAROS
	2	1.00	Combined with LC				PROSTHETA MONIMA
	3	1.00	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	61	1.00	Combined with LC				ANTIF. WTH. KATA X-X
	62	0.30	Combined with LC				ANTIF. WTH. KATA Y-Y
	3	0.50	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	61	1.00	Combined with LC				ANTIF. WTH. KATA X-X
	62	0.30	Combined with LC				ANTIF. WTH. KATA Y-Y
	3	1.00	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	62	1.00	Combined with LC				ANTIF. WTH. KATA Y-Y
	61	0.30	Combined with LC				ANTIF. WTH. KATA X-X
	3	0.50	Alternative LC AG				WTHHS.GAIWN.XWRIS.YRD.OR
	62	1.00	Combined with LC				ANTIF. WTH. KATA Y-Y
	61	0.30	Combined with LC				ANTIF. WTH. KATA X-X
	4	1.00	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	61	1.00	Combined with LC				ANTIF. WTH. KATA X-X
	62	0.30	Combined with LC				ANTIF. WTH. KATA Y-Y
	4	0.50	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	61	1.00	Combined with LC				ANTIF. WTH. KATA X-X
	62	0.30	Combined with LC				ANTIF. WTH. KATA Y-Y
	4	1.00	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	62	1.00	Combined with LC				ANTIF. WTH. KATA Y-Y
	61	0.30	Combined with LC				ANTIF. WTH. KATA X-X
	4	0.50	Alternative LC AG				WTHHS.GAIWN.ME.YRD.ORIZ.
	62	1.00	Combined with LC				ANTIF. WTH. KATA Y-Y
	61	0.30	Combined with LC				ANTIF. WTH. KATA X-X
	15	1.00	Pattern Load				SYRRIKNWSH

Generated Loadcases

Number	Title
301	MAX-MX
302	MIN-MX
303	MAX-MY
304	MIN-MY
305	MAX-MXY
306	MIN-MXY

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
OPLISMOS ANTLIOSTASIOY XWRIS SEISMO
PLAKES: upper=PANW, lower=KATW / As=KATA x, Ast=KATA y
TOIXWMATA: upper=EKSW, lower=MESA / As=ORIZONTIOS, Ast=KATAKORYFOS

Load Cases for the Design

Loadcase 151 MAX-MX
Loadcase 152 MIN-MX
Loadcase 153 MAX-MY
Loadcase 154 MIN-MY
Loadcase 155 MAX-MXY
Loadcase 156 MIN-MXY

Material (EC 2)

Mat	f-ck [MPa]	f-yk [MPa]	Tau-Rd [MPa]	Param.	f-ctm [MPa]	N [-]	minQ [-]	type
B1	30.0	500.0	0.338	K1S	2.896	6.3	0.20	mainly static

Minimum reinforcement: 0.00 p.c. of stat. req. section
A robustness minimum reinforcement is not acticated.
This check has to be made separately.

Loadcases have been calculated in the Ultimate Limit State
General load safety factor - as defined in BEMESS: Gamma-f = 1.00

Material-safety-factors:

Mat	concr SC1	SC2	steel SS1	SS2
B1	1.50	1.50	1.15	1.15

Shear design according to EC 2
meaning of Param. for shear design:
K1S: more than 50 p.c. of tension reinforcement anchored in field

Geometry (axial covers)

No	he-upper [cm]	hi-upper [cm]	he-lower [cm]	hi-lower [cm]	Elem. height [cm]
1	5.5	6.5	5.5	6.5	As saved

Selection of elements

	from	to	inc	group	GEOMETRY
Element	10000	49999	1	-	1
Element	50000	69999	1	-	1
Element	1	9999	1	-	1
Element	80000	109999	1	-	1
Element	110000	119999	1	-	1
Element	70000	79999	1	-	1
Element	120000	129999	1	-	1

Reinforcement is saved in the data base file
Number of stored reinforcement distribution: 1

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
OPLISMOS ANTLIOSTASIOY ME ELEGXO RHGMATWSHS
PLAKES: upper=PANW, lower=KATW / As=KATA x, Ast=KATA y
TOIXWMATA: upper=EKSW, lower=MESA / As=ORIZONTIOS, Ast=KATAKORYFOS

Load Cases for the Design

Loadcase 161 MAX-MX
Loadcase 162 MIN-MX
Loadcase 163 MAX-MY
Loadcase 164 MIN-MY
Loadcase 165 MAX-MXY
Loadcase 166 MIN-MXY

Load Cases - with factors of dead load in per cent

LcNo	per cent	LcNo	per cent	LcNo	per cent	LcNo	per cent	LcNo	per cent
161	100.0	162	100.0	163	100.0	164	100.0	165	100.0
166	100.0								

Material (EC 2)

Mat	f-ck [MPa]	f-yk [MPa]	Tau-Rd [MPa]	Param.	f-ctm [MPa]	N [-]	minQ [-]	type
B1	30.0	500.0	0.338	K1S	2.896	6.3	0.20	mainly static

Minimum reinforcement: 0.00 p.c. of stat. req. section
A robustness minimum reinforcement is not acticated.
This check has to be made separately.

Loadcases have been calculated in the Ultimate Limit State
General load safety factor - as defined in BEMESS: Gamma-f = 1.00

Material-safety-factors:

Mat	concr SC1	SC2	steel SS1	SS2
B1	1.50	1.50	1.15	1.15

Shear design according to EC 2
meaning of Param. for shear design:
K1S: more than 50 p.c. of tension reinforcement anchored in field

Geometry (axial covers)

No	he-upper [cm]	hi-upper [cm]	he-lower [cm]	hi-lower [cm]	Elem. height [cm]
1	5.5	6.5	5.5	6.5	As saved

LIVE LOAD DESIGN CONTROL PARAMETERS

No	Code	dNW[mm]	wk[mm]	Beta	Beta1	Beta2	k1
1	EC2	12.0	0.20	1.7	1.0	0.5	0.8

Calculation of crack-width acc. EC2 4.4.2.4
Selection of elements

	from	to	inc	group	GEOMETRY
Element	10000	49999	1	-	1
Element	50000	69999	1	-	1
Element	1	9999	1	-	1
Element	80000	109999	1	-	1
Element	110000	119999	1	-	1
Element	70000	79999	1	-	1
Element	120000	129999	1	-	1

Maximum of stored and calculated reinforcement is saved
Number of stored reinforcement-distribution: 1

Reinforcement has been increased by live-load design

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
OPLISMOS ANTLIOSTASIOY ME SEISMO
PLAKES: upper=PANW, lower=KATW / As=KATA x, Ast=KATA y
TOIXWMATA: upper=EKSW, lower=MESA / As=ORIZONTIOS, Ast=KATAKORYFOS

Load Cases for the Design

Loadcase 201 MAX MX
Loadcase 202 MIN MX
Loadcase 203 MAX MY
Loadcase 204 MIN MY
Loadcase 205 MAX MXY
Loadcase 206 MIN MXY
Loadcase 211 MAX MX
Loadcase 212 MIN MX
Loadcase 213 MAX MY
Loadcase 214 MIN MY
Loadcase 215 MAX MXY
Loadcase 216 MIN MXY
Loadcase 221 MAX MX
Loadcase 222 MIN MX
Loadcase 223 MAX MY
Loadcase 224 MIN MY
Loadcase 225 MAX MXY
Loadcase 226 MIN MXY
Loadcase 231 MAX MX
Loadcase 232 MIN MX
Loadcase 233 MAX MY
Loadcase 234 MIN MY
Loadcase 235 MAX MXY
Loadcase 236 MIN MXY
Loadcase 241 MAX MX
Loadcase 242 MIN MX
Loadcase 243 MAX MY
Loadcase 244 MIN MY
Loadcase 245 MAX MXY
Loadcase 246 MIN MXY
Loadcase 251 MAX MX
Loadcase 252 MIN MX
Loadcase 253 MAX MY
Loadcase 254 MIN MY
Loadcase 255 MAX MXY
Loadcase 256 MIN MXY
Loadcase 261 MAX MX
Loadcase 262 MIN MX
Loadcase 263 MAX MY
Loadcase 264 MIN MY
Loadcase 265 MAX MXY
Loadcase 266 MIN MXY
Loadcase 271 MAX MX
Loadcase 272 MIN MX
Loadcase 273 MAX MY
Loadcase 274 MIN MY
Loadcase 275 MAX MXY
Loadcase 276 MIN MXY
Loadcase 301 MAX MX
Loadcase 302 MIN MX
Loadcase 303 MAX MY
Loadcase 304 MIN MY
Loadcase 305 MAX MXY
Loadcase 306 MIN MXY

Material (EC 2)

Mat	f-ck [MPa]	f-yk [MPa]	Tau-Rd [MPa]	Param.	f-ctm [MPa]	N [-]	minQ [-]	type
B1	30.0	500.0	0.338	K1S	2.896	6.3	0.20	mainly static

Minimum reinforcement: 0.00 p.c. of stat. req. section
A robustness minimum reinforcement is not acticated.
This check has to be made separately.

Loadcases have been calculated in the Ultimate Limit State
General load safety factor - as defined in BEMESS: Gamma-f = 1.00

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
OPLISMOS ANTLIOSTASIOY ME SEISMO
PLAKES: upper=PANW, lower=KATW / As=KATA x, Ast=KATA y
TOIXWMATA: upper=EKSW, lower=MESA / As=ORIZONTIOS, Ast=KATAKORYFOS

Material-safety-factors:

Mat	concr SC1	SC2	steel SS1	SS2
B1	1.50	1.50	1.15	1.15

Shear design according to EC 2
meaning of Param. for shear design:
K1S: more than 50 p.c. of tension reinforcement anchored in field

Geometry (axial covers)

No	he-upper [cm]	hi-upper [cm]	he-lower [cm]	hi-lower [cm]	Elem. height [cm]
1	5.5	6.5	5.5	6.5	As saved

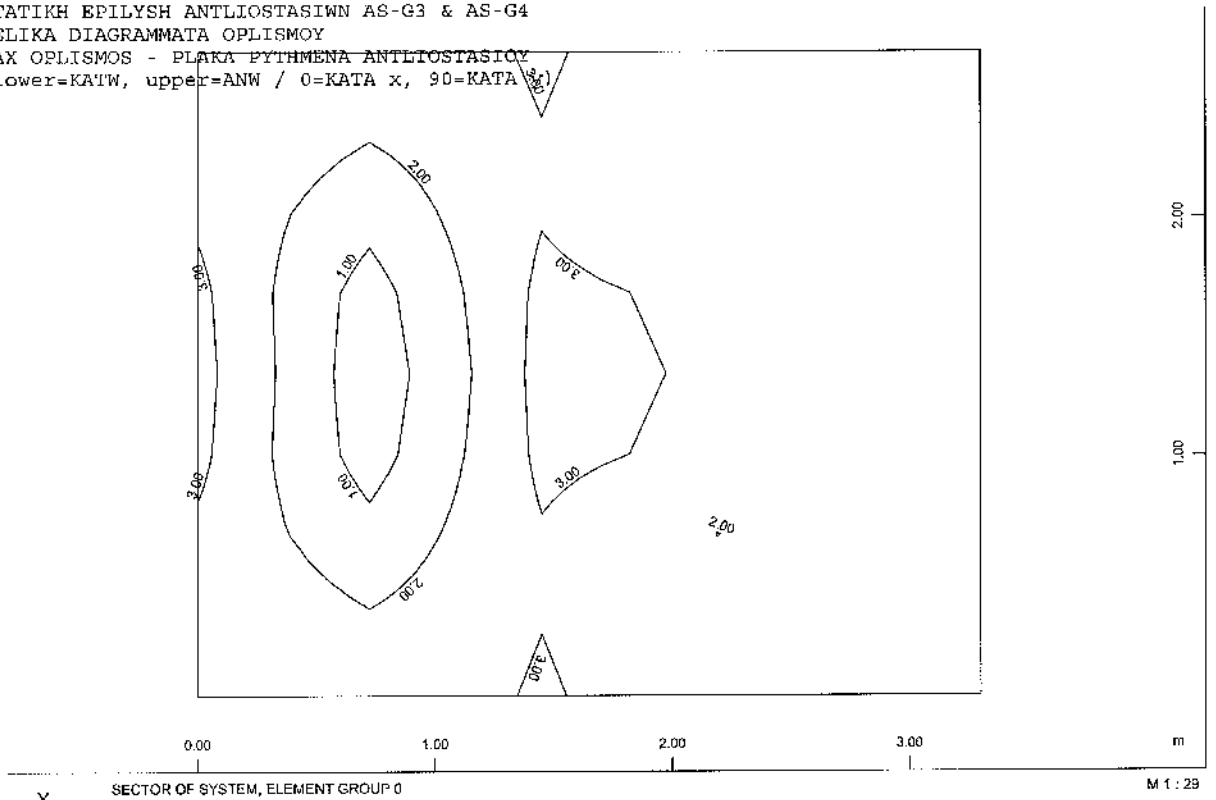
Selection of elements

	from	to	inc	group	GEOMETRY
Element	10000	49999	1	-	1
Element	50000	69999	1	-	1
Element	1	9999	1	-	1
Element	80000	109999	1	-	1
Element	110000	119999	1	-	1
Element	70000	79999	1	-	1
Element	120000	129999	1	-	1

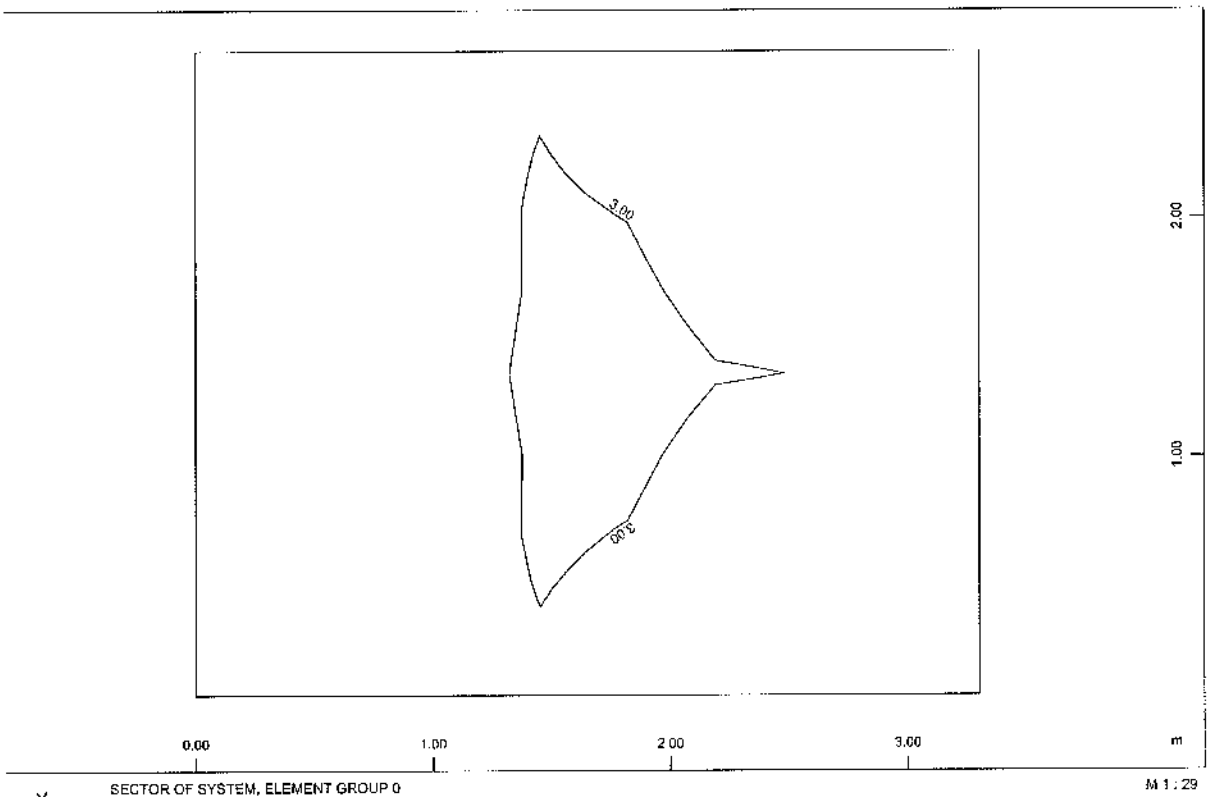
Maximum of stored and calculated reinforcement is saved
Number of stored reinforcement-distribution: **1**

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TELIKA DIAGRAMMATA OPLISMOY
MAX OPLISMOS - PLAKA PYTHMENA ANTLIOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA



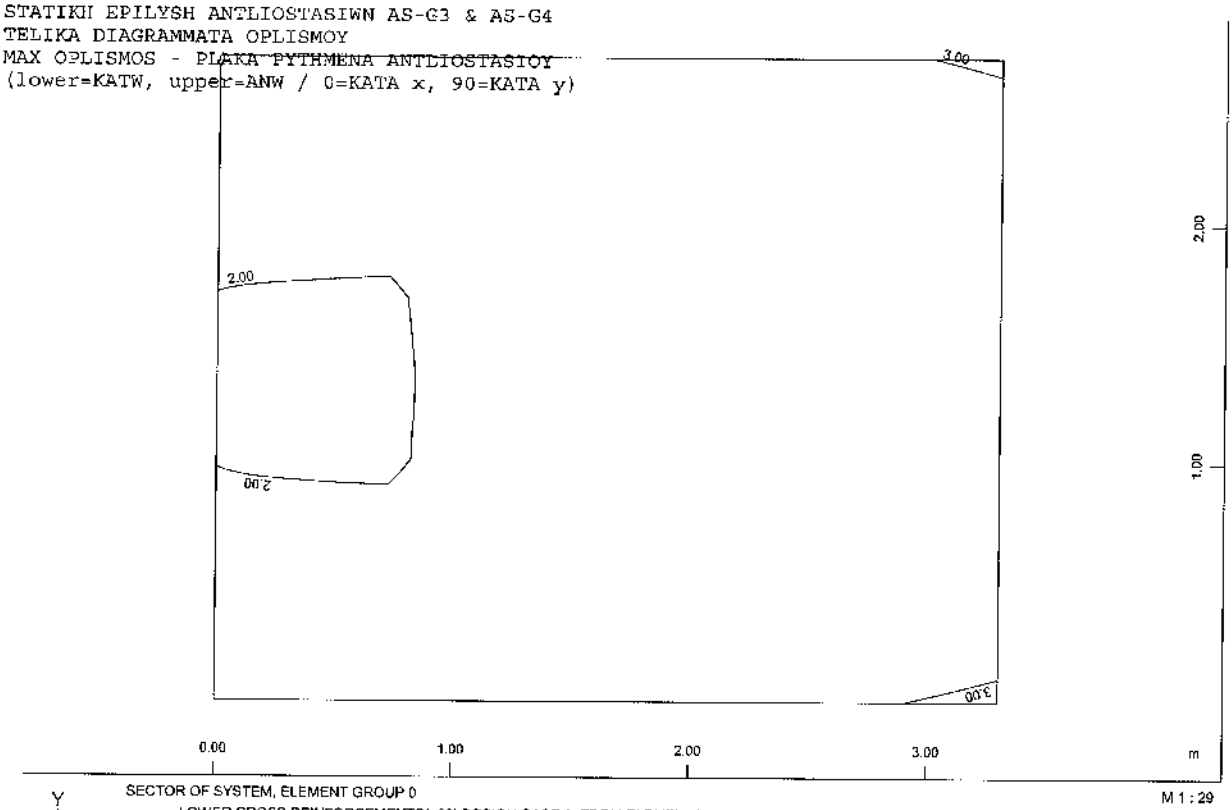
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LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.07
STEP 1.00 cm2/m



SECTOR OF SYSTEM, ELEMENT GROUP 0
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.97
STEP 1.00 cm2/m

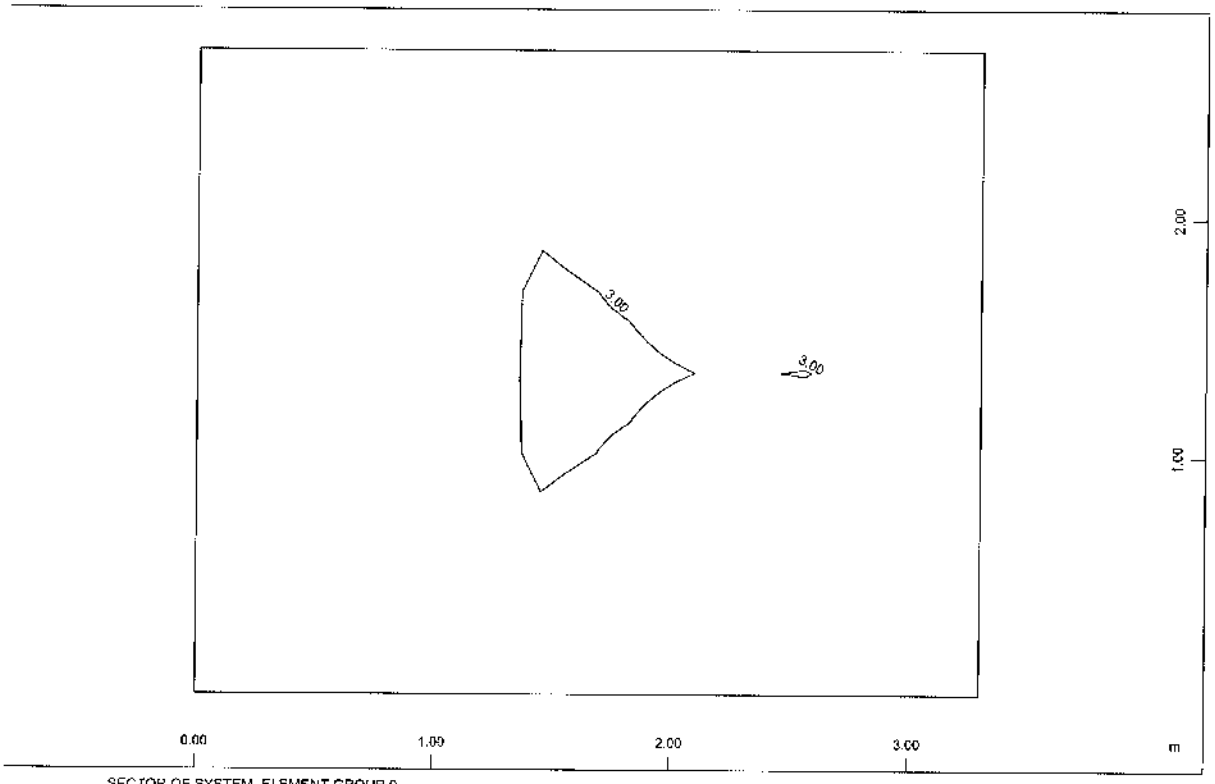
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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TELIKA DIAGRAMMATA OPLISMOY
MAX OPLISMOS - PLAKA PYTHMENA ANTLIOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 0
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.90 STEP 1.00 cm2/m

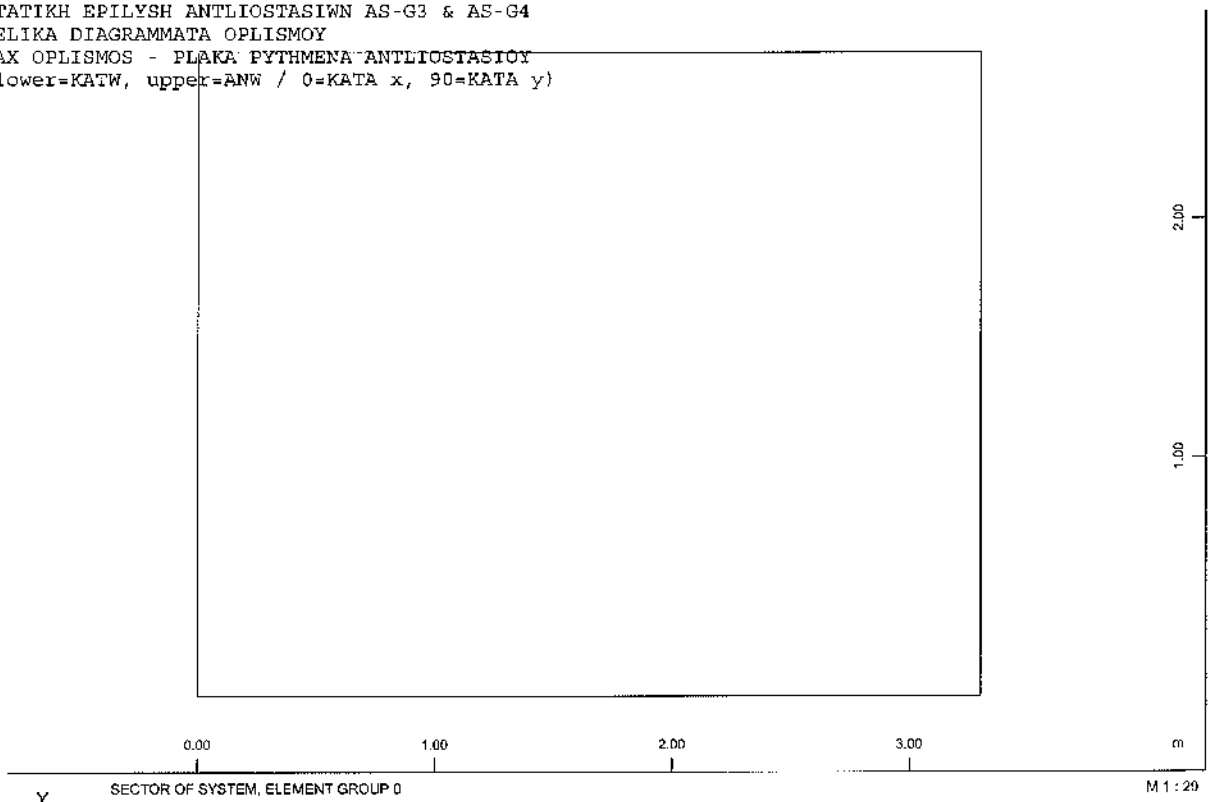


M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 0
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.74 STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
TELIKA DIAGRAMMATA OPLISMOY
MAX OPLISMOS - PLAKA PYTHMENA ANTLIOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



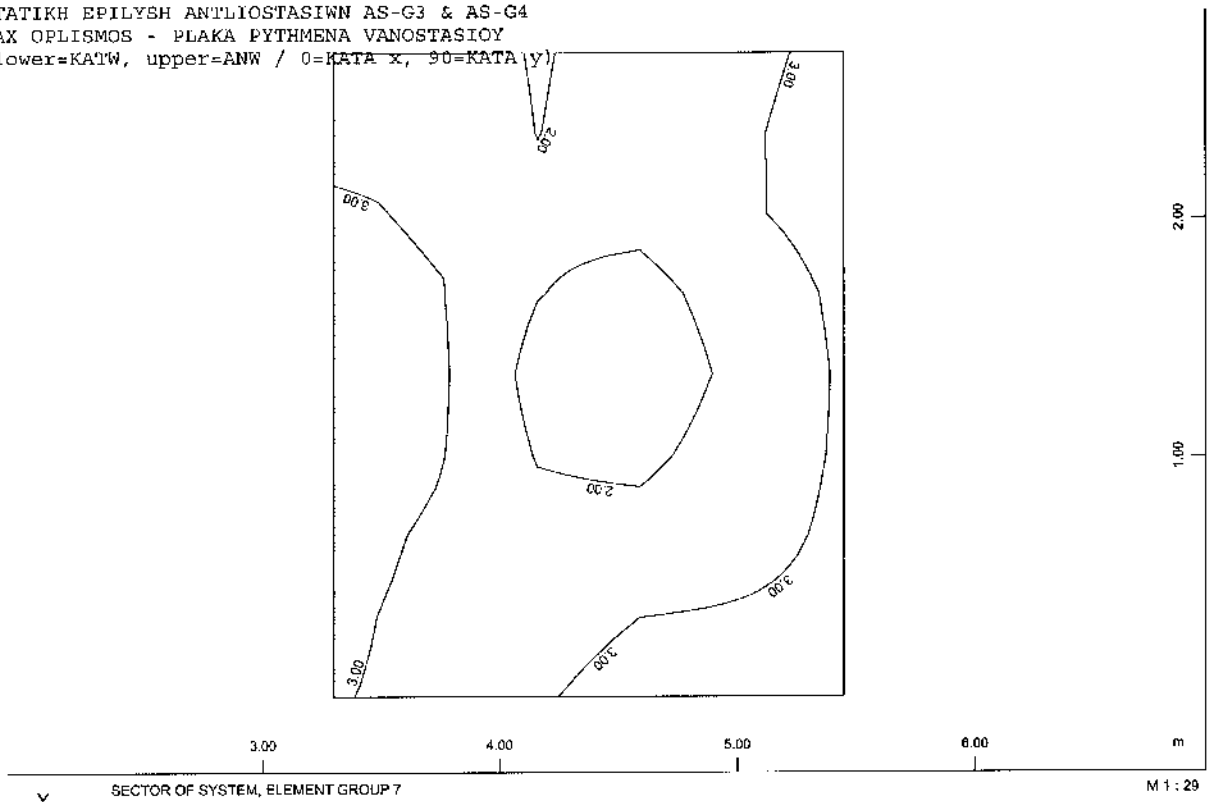
M 1 : 29

Y
Z—X

SECTOR OF SYSTEM, ELEMENT GROUP 0
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

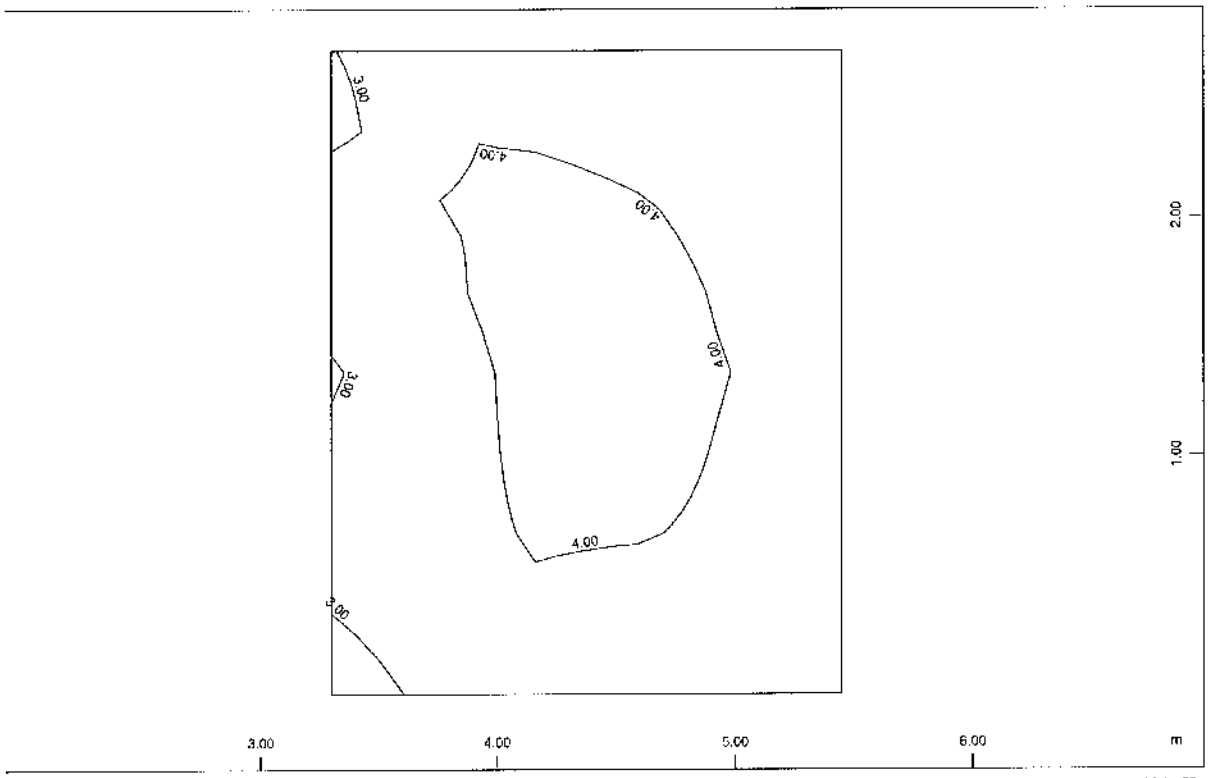
SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA PYTHMENA VANOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 7
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 5.43
STEP 1.00 cm2/m

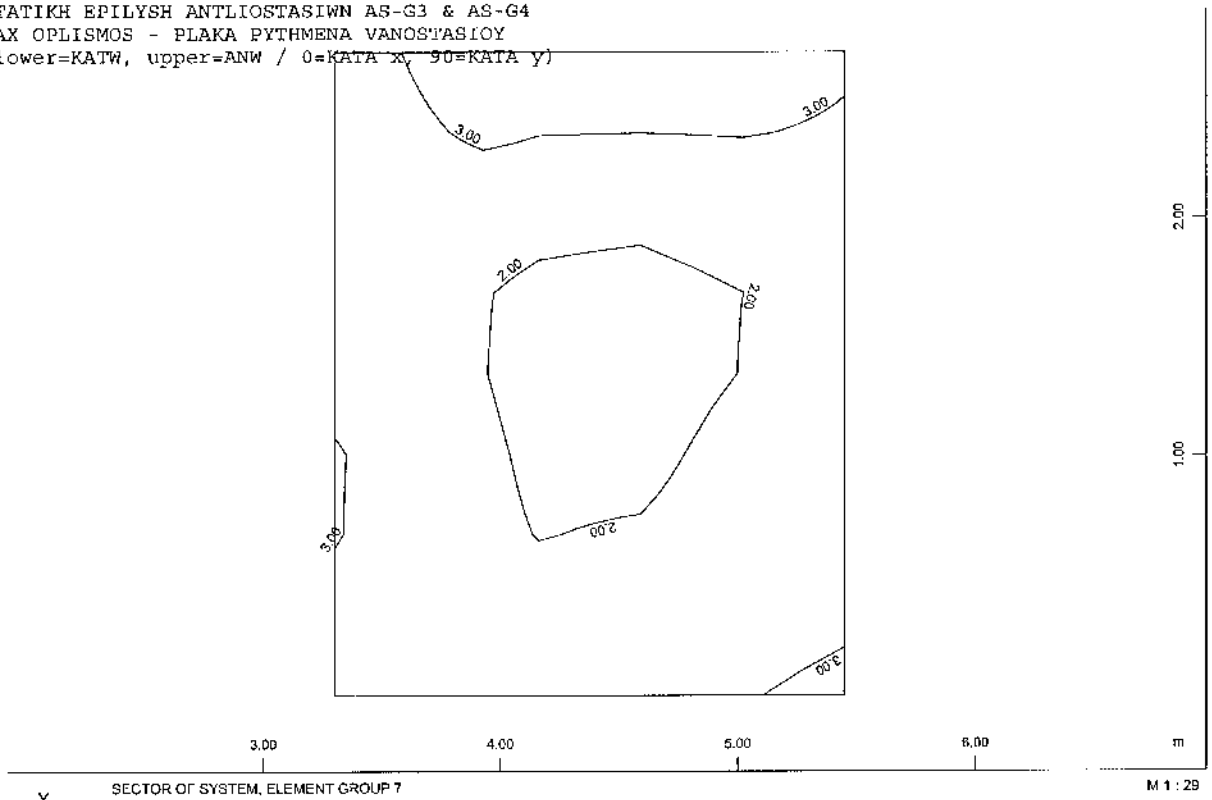


M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 7
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.44
STEP 1.00 cm2/m

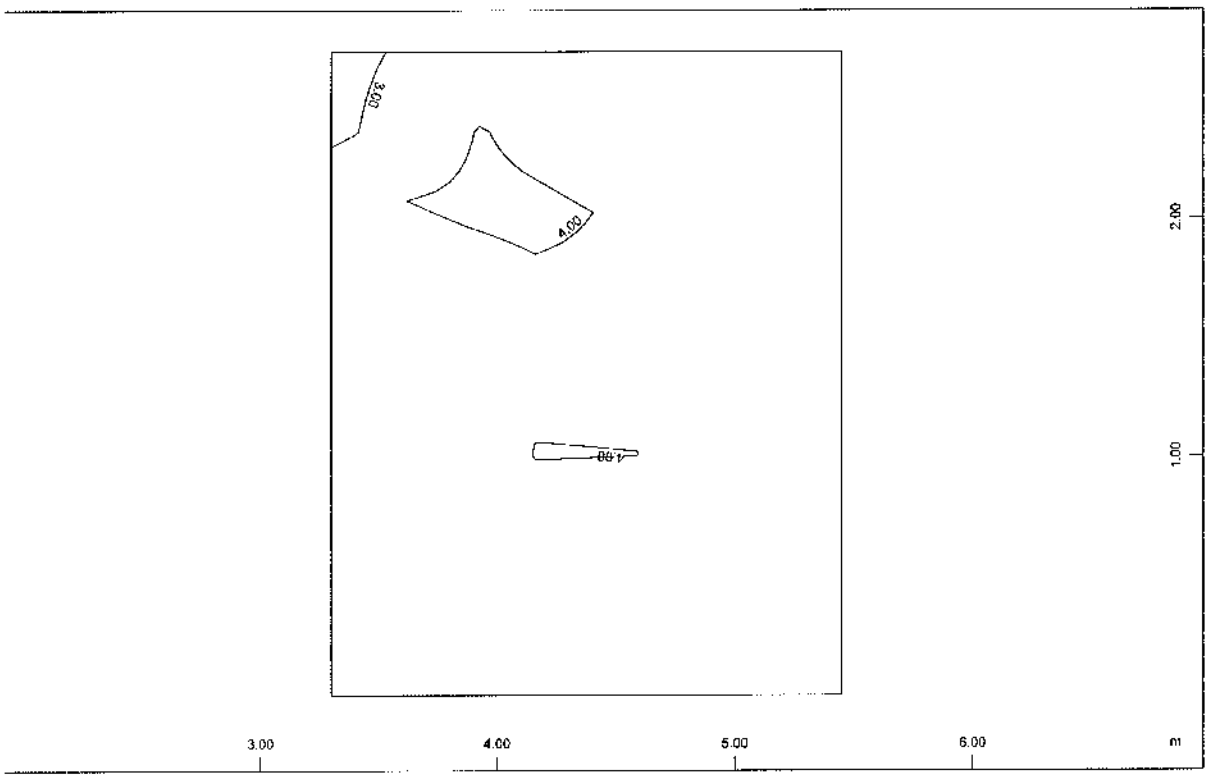
SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA PYTHMENA VANOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 7
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.95 STEP 1.00 cm2/m

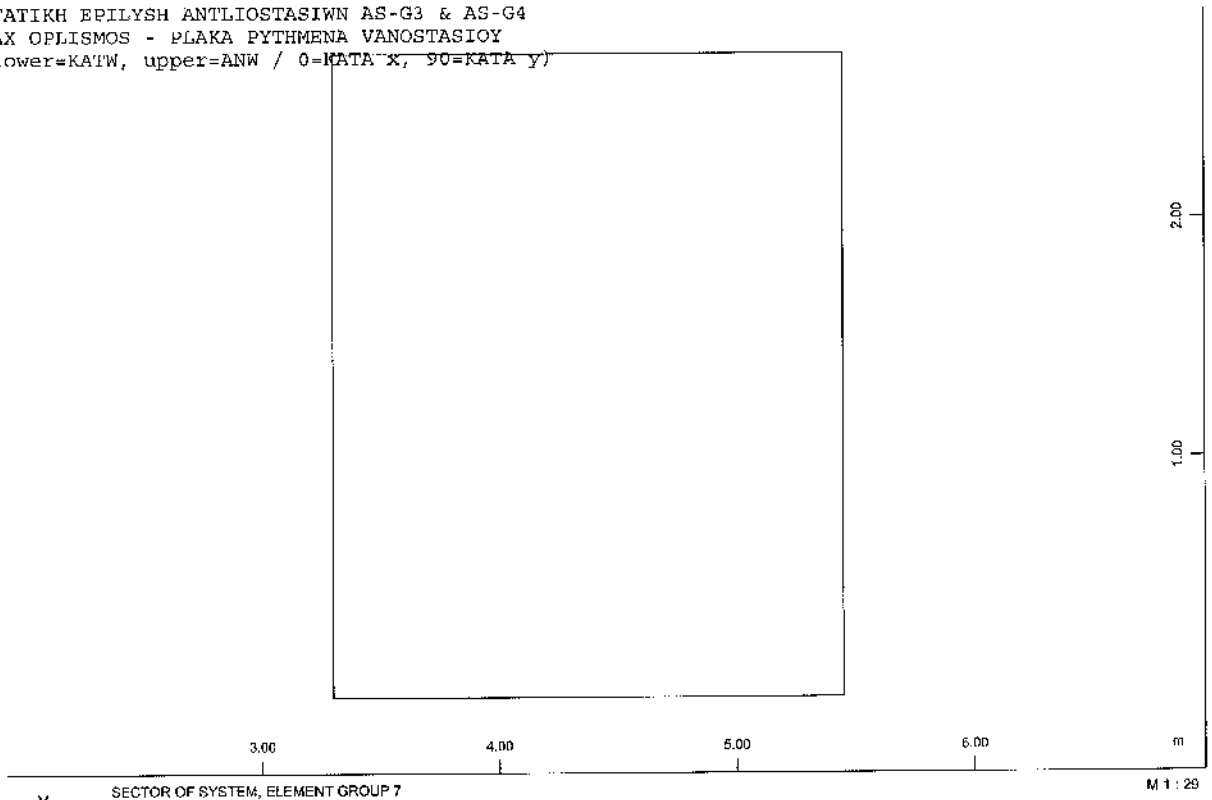


M 1 : 29

SECTOR OF SYSTEM, ELEMENT GROUP 7
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
4.14 STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

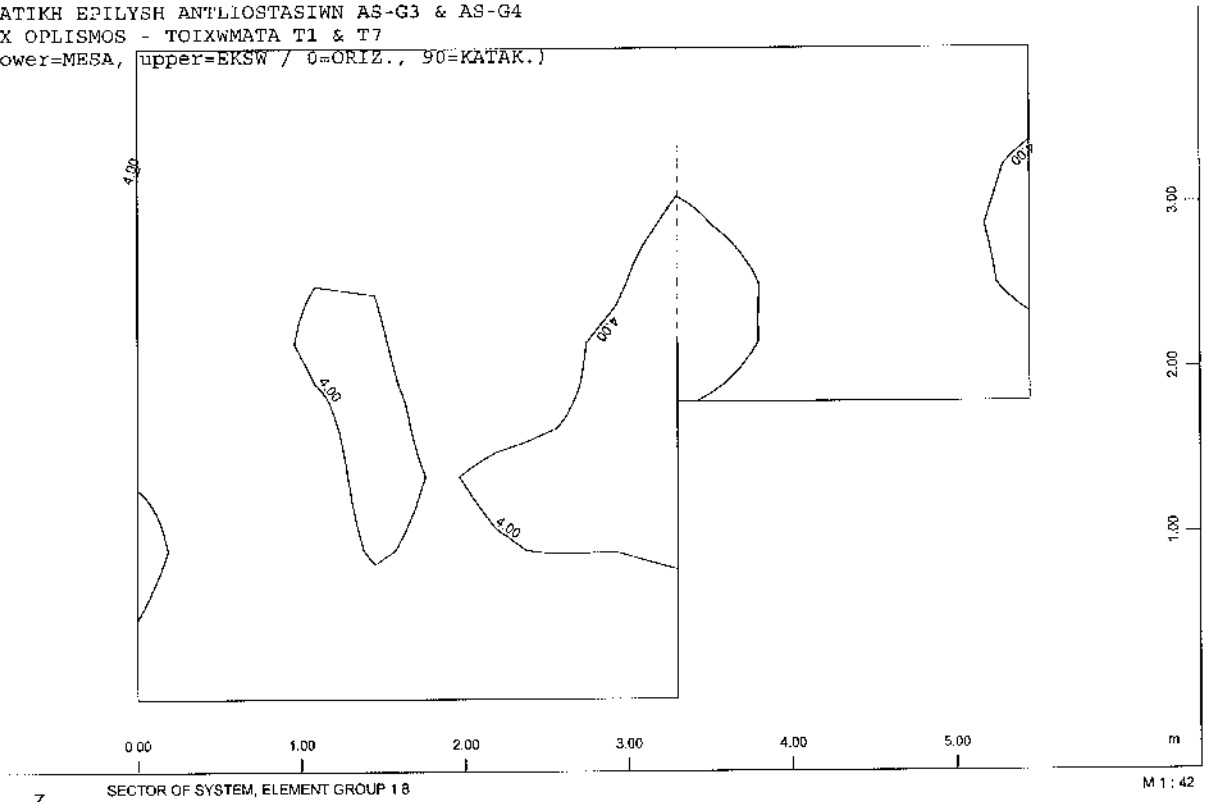
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA PYTHMENA VANOSTASIOY
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



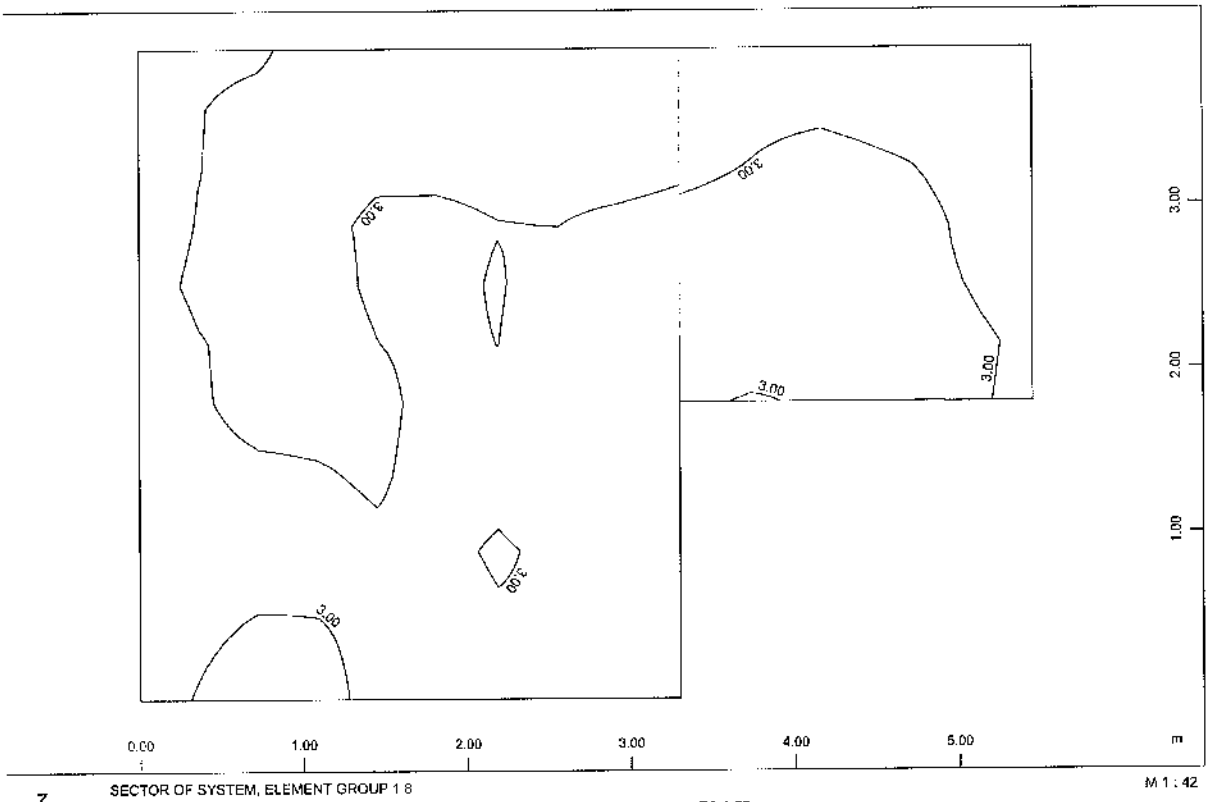
SECTOR OF SYSTEM, ELEMENT GROUP 7
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T1 & T7
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



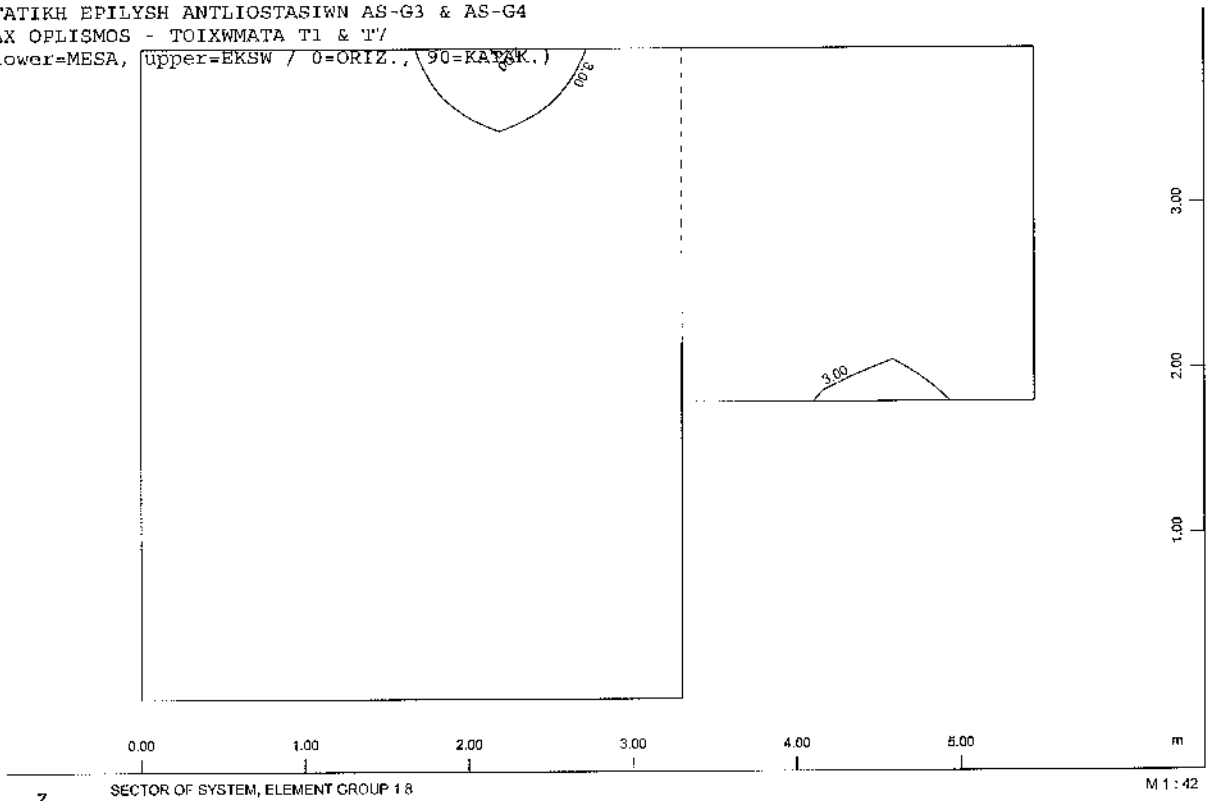
SECTOR OF SYSTEM, ELEMENT GROUP 1 8
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.56
STEP 1.00 cm2/m



SECTOR OF SYSTEM, ELEMENT GROUP 1 8
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.77
STEP 1.00 cm2/m

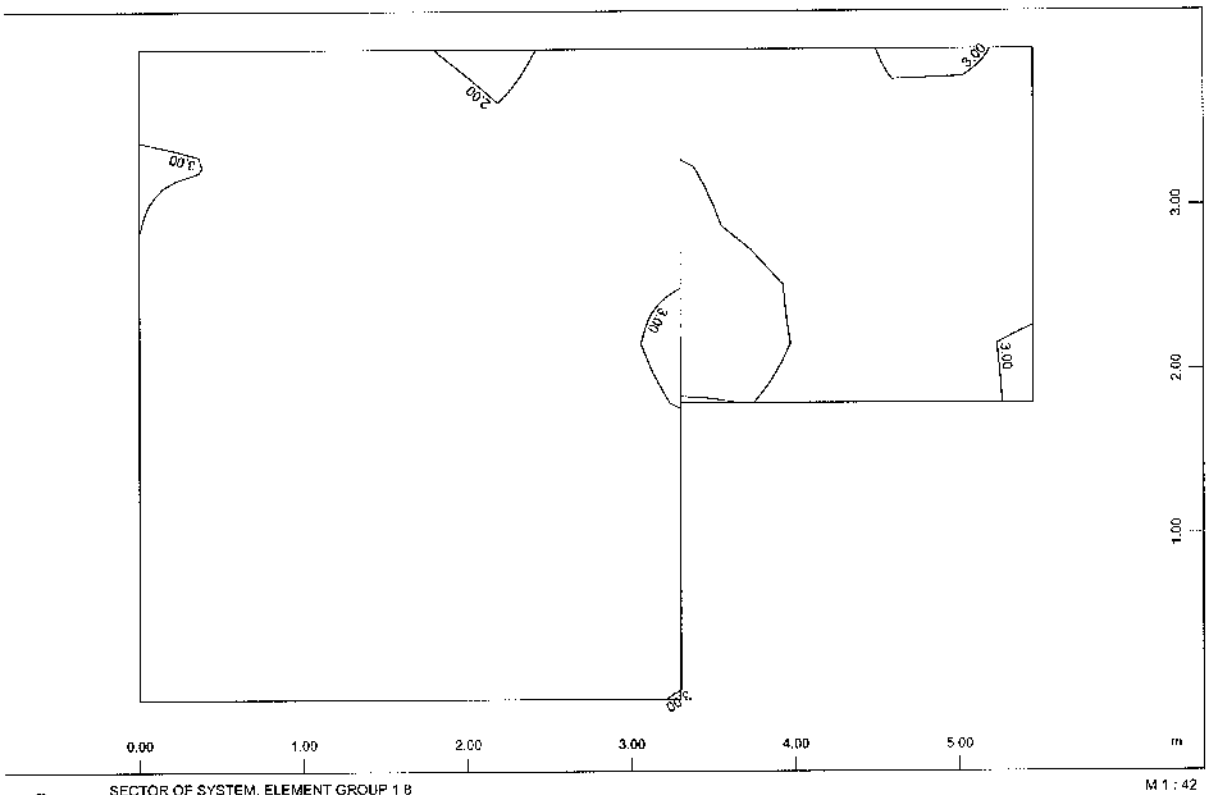
SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T1 & T'/
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KAT&K.)



Z
Y X

SECTOR OF SYSTEM, ELEMENT GROUP 1 8
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.95 STEP 1.00 cm2/m

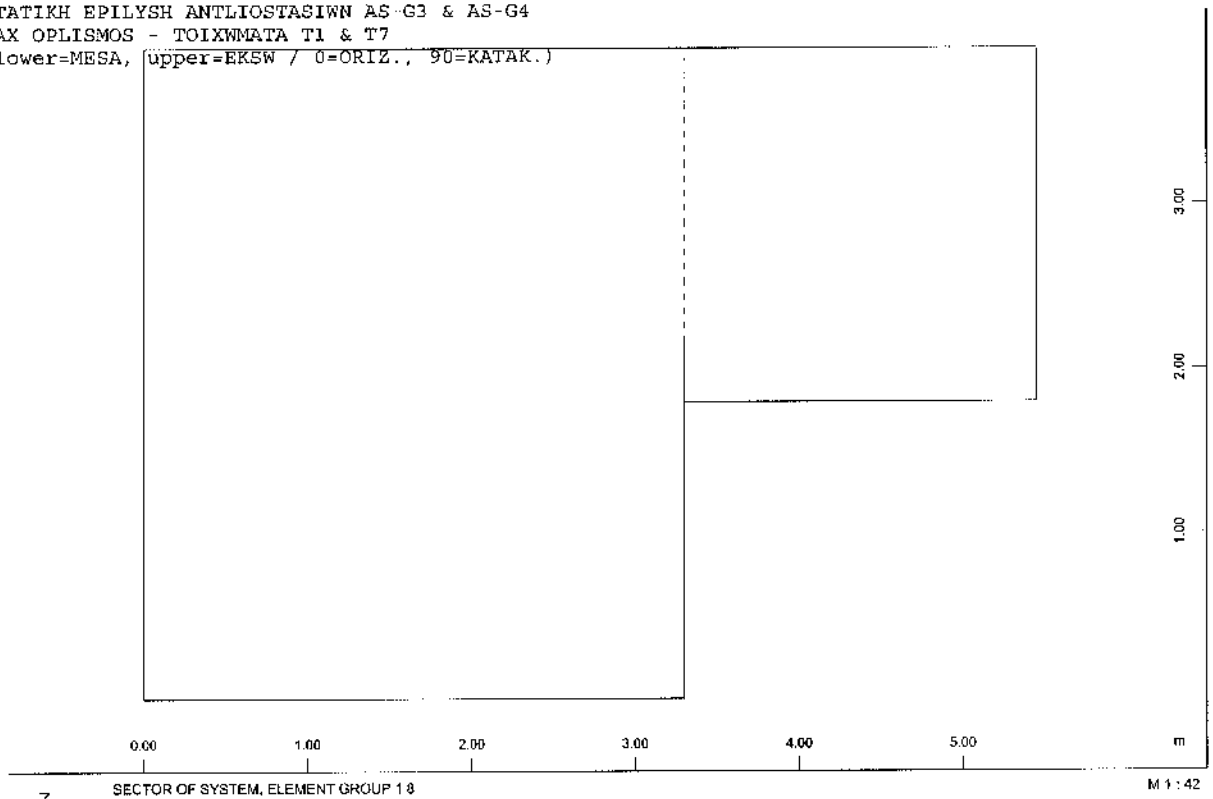


Z
Y X

SECTOR OF SYSTEM, ELEMENT GROUP 1 8
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.58 STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

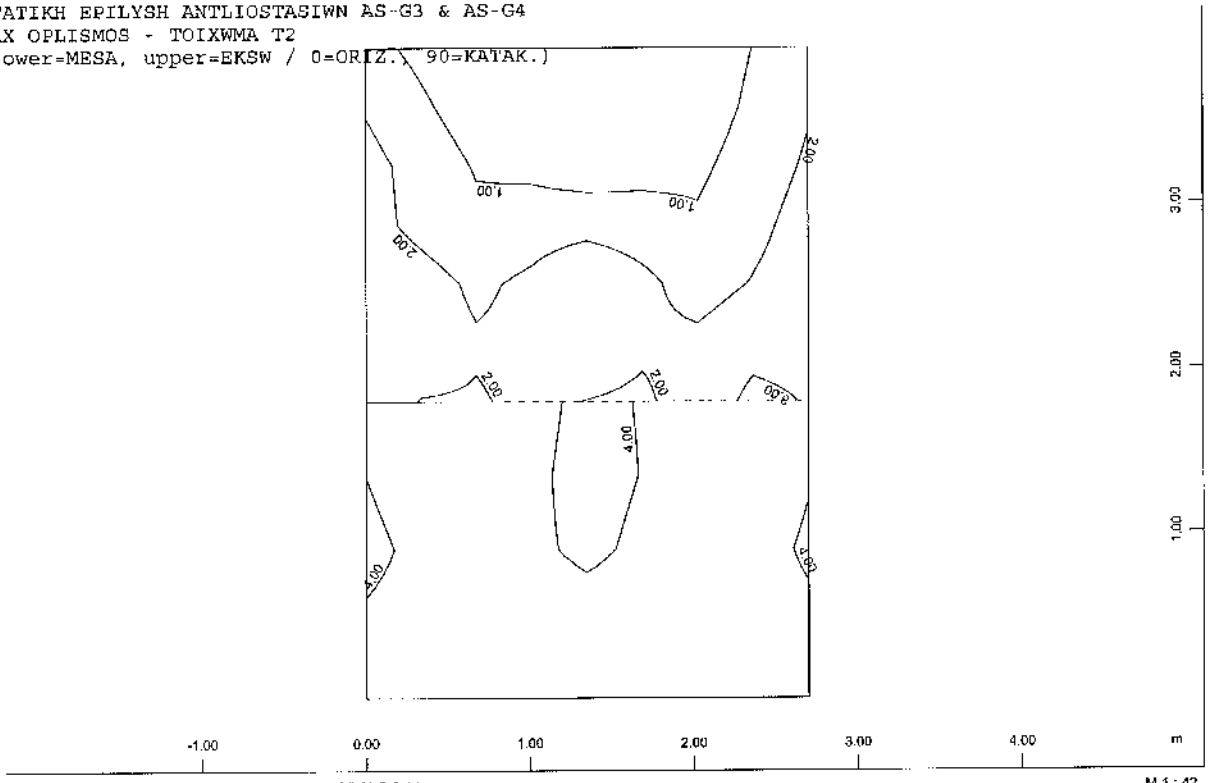
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T1 & T7
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



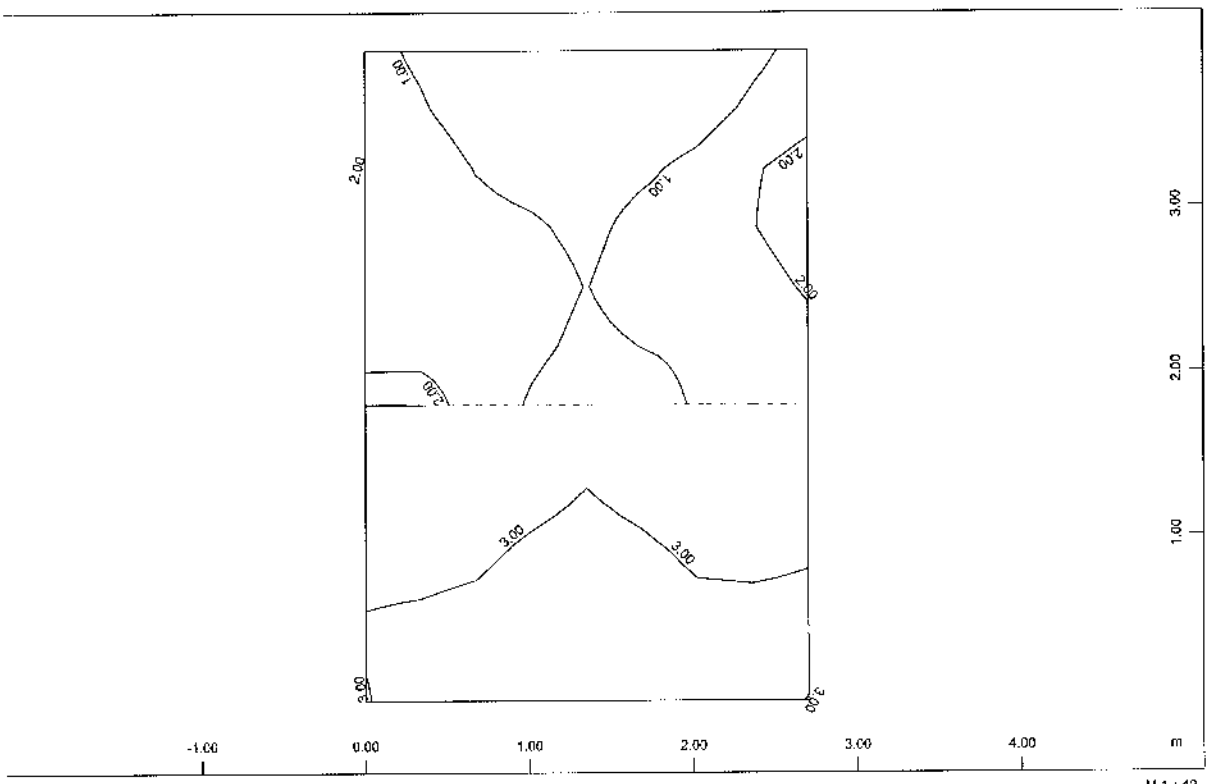
SECTOR OF SYSTEM, ELEMENT GROUP 1 8
..... SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T2
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



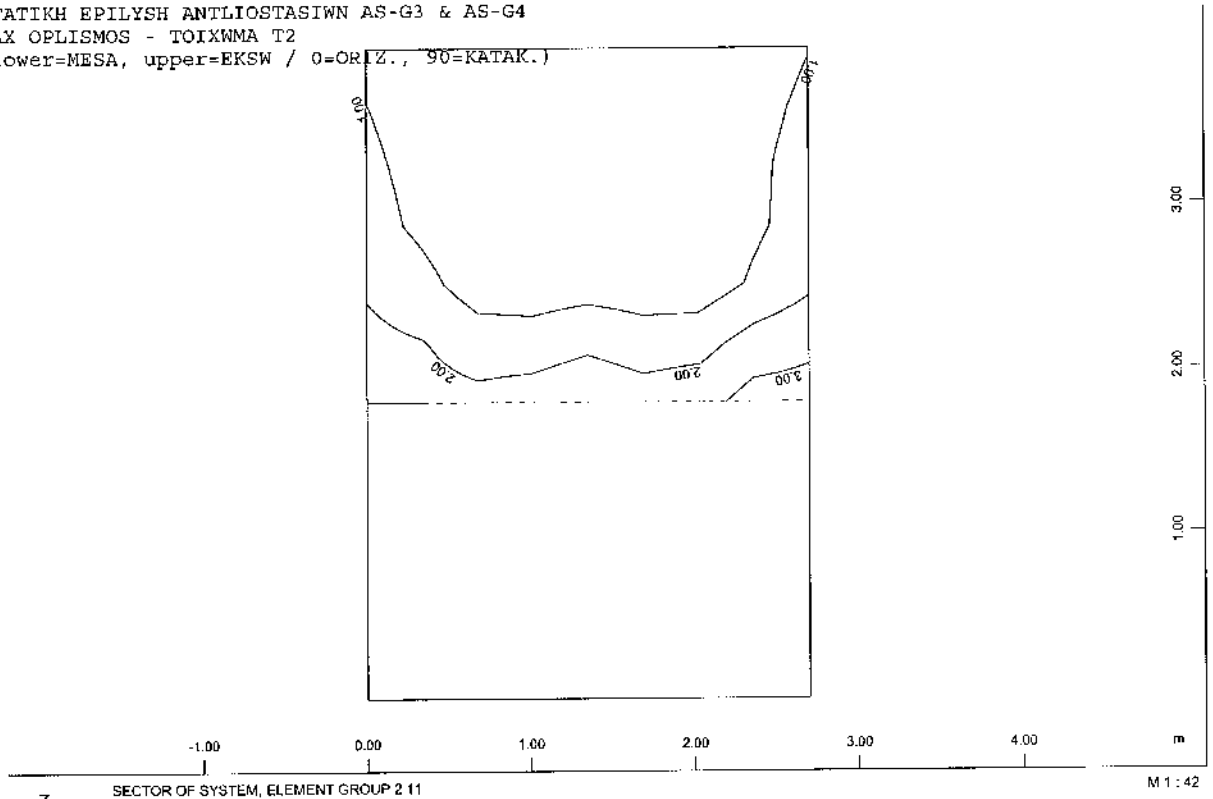
Z
X—Y
SECTOR OF SYSTEM, ELEMENT GROUP 2 11
_____LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 5.43
STEP 1.00 cm2/m



Z
X—Y
SECTOR OF SYSTEM, ELEMENT GROUP 2 11
_____UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.78
STEP 1.00 cm2/m

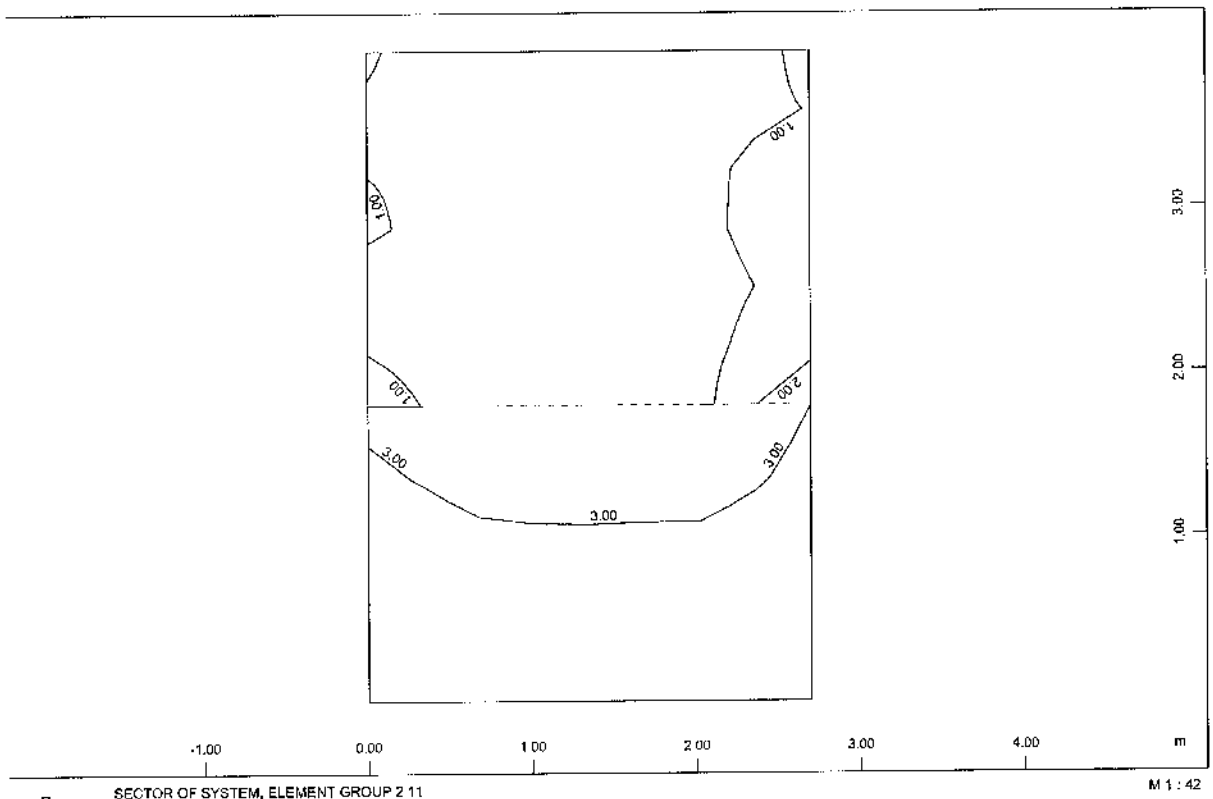
SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T2
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



Z
X—Y

SECTOR OF SYSTEM, ELEMENT GROUP 2 11
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.98 STEP 1.00 cm2/m

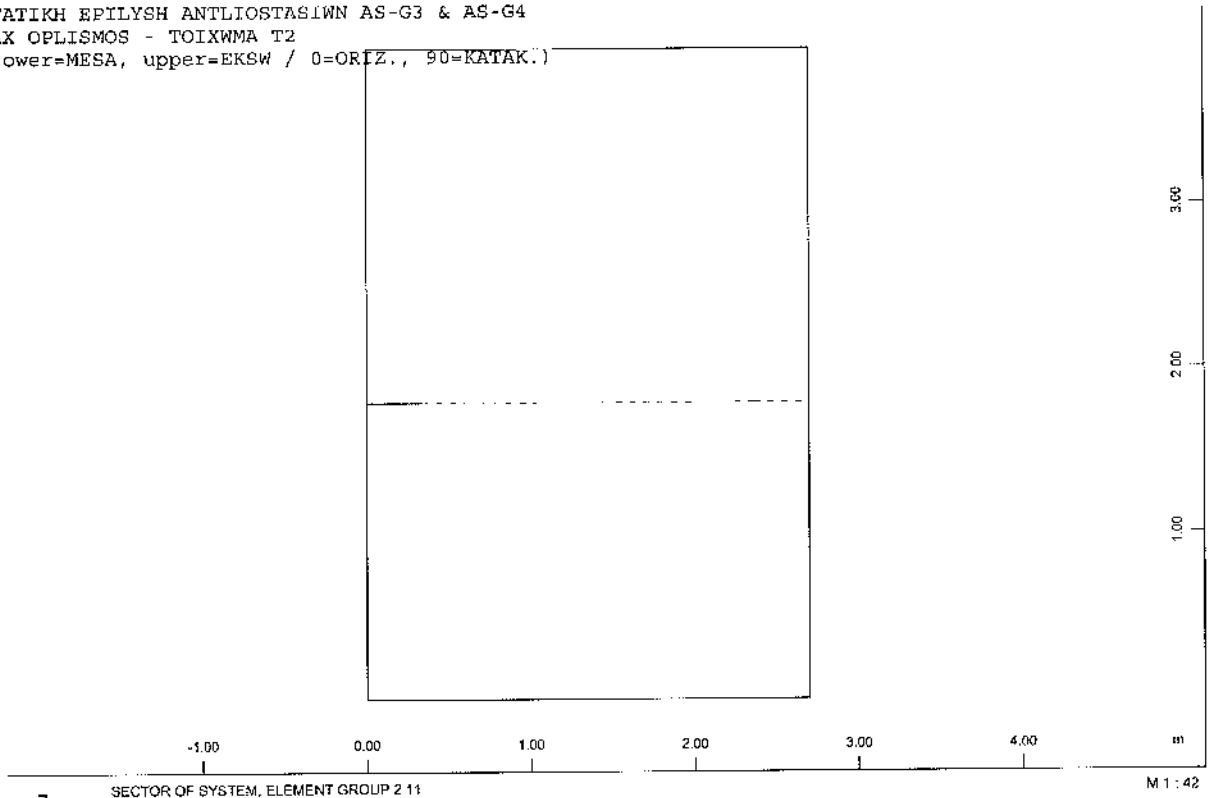


Z
X—Y

SECTOR OF SYSTEM, ELEMENT GROUP 2 11
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.86 STEP 1.00 cm2/m

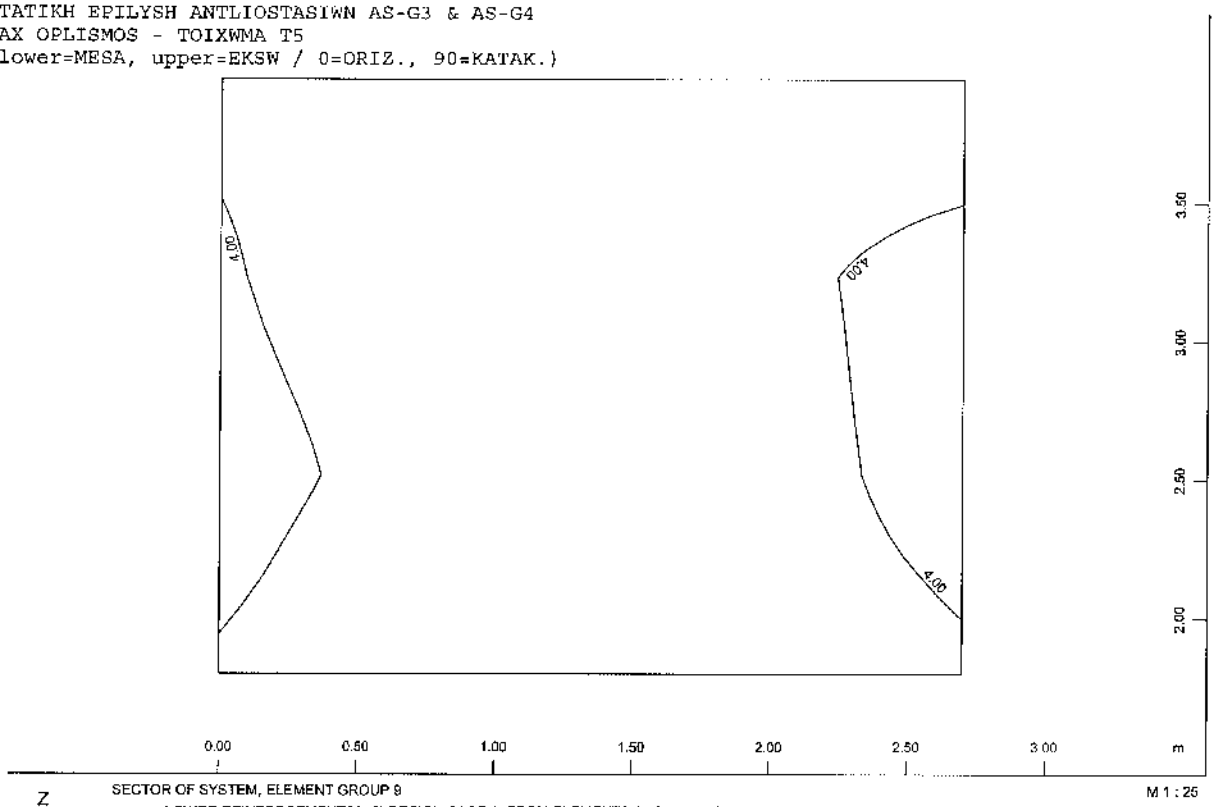
SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T2
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)

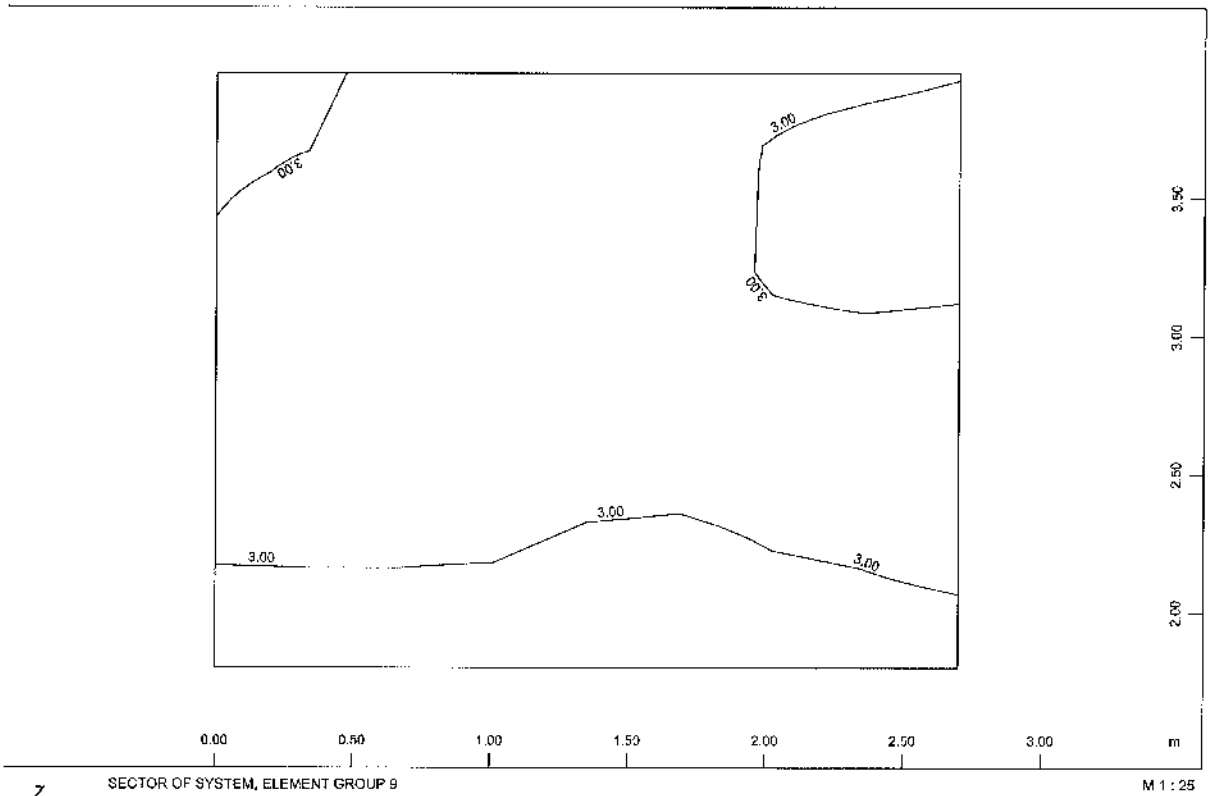


SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



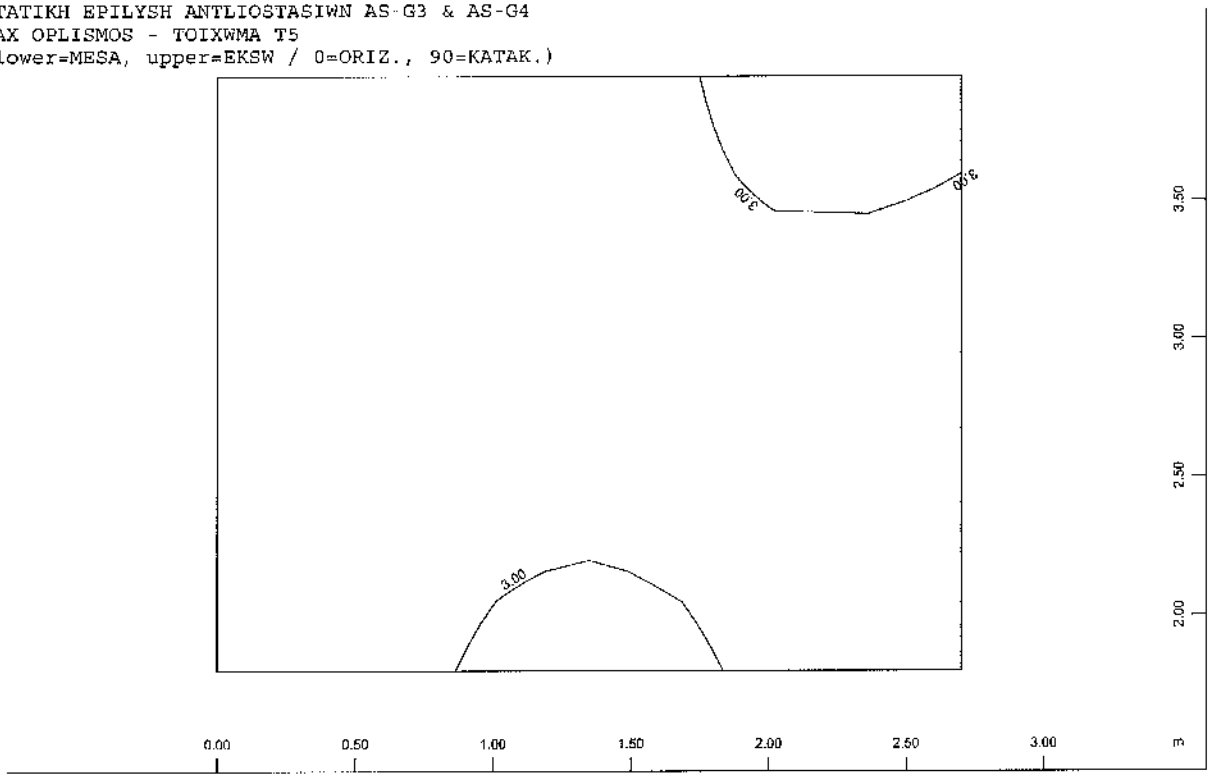
SECTOR OF SYSTEM, ELEMENT GROUP 9
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.60
STEP 1.00 cm2/m
M 1 : 25



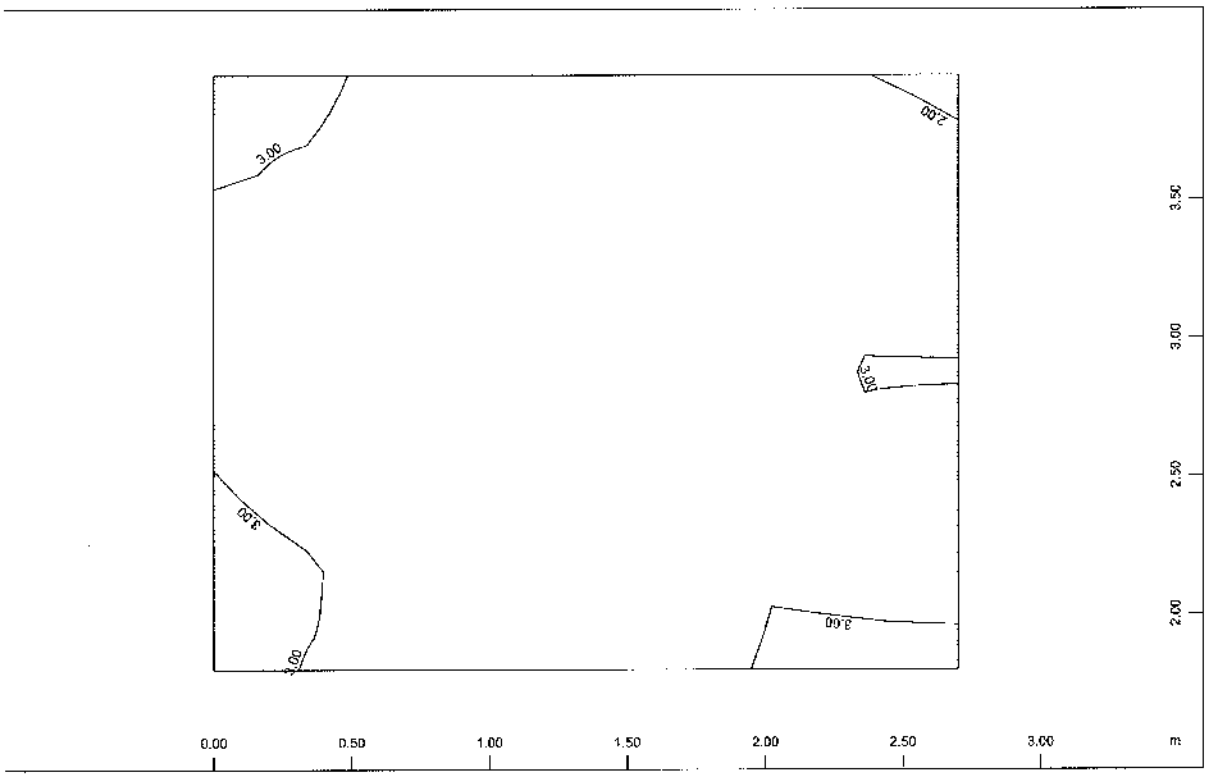
SECTOR OF SYSTEM, ELEMENT GROUP 9
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.88
STEP 1.00 cm2/m
M 1 : 25

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



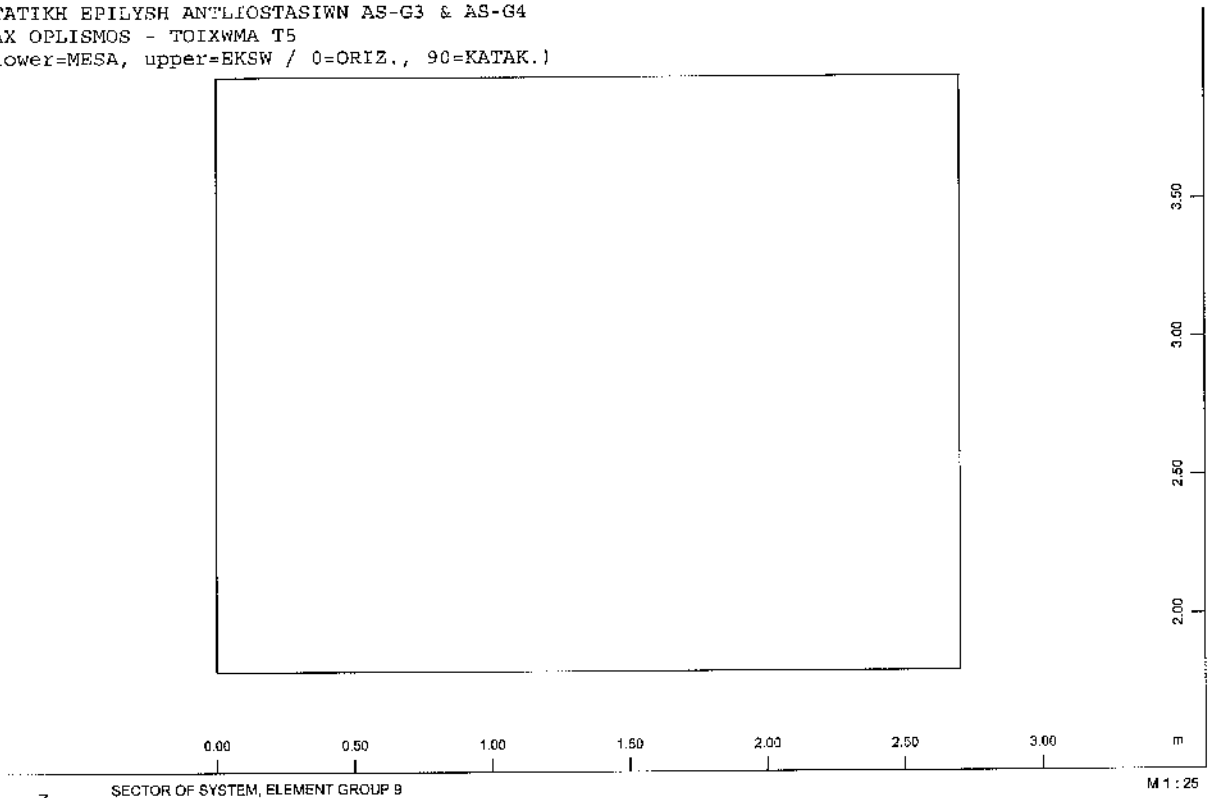
SECTOR OF SYSTEM, ELEMENT GROUP 9
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.88 STEP 1.00 cm2/m



SECTOR OF SYSTEM, ELEMENT GROUP 9
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.57 STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

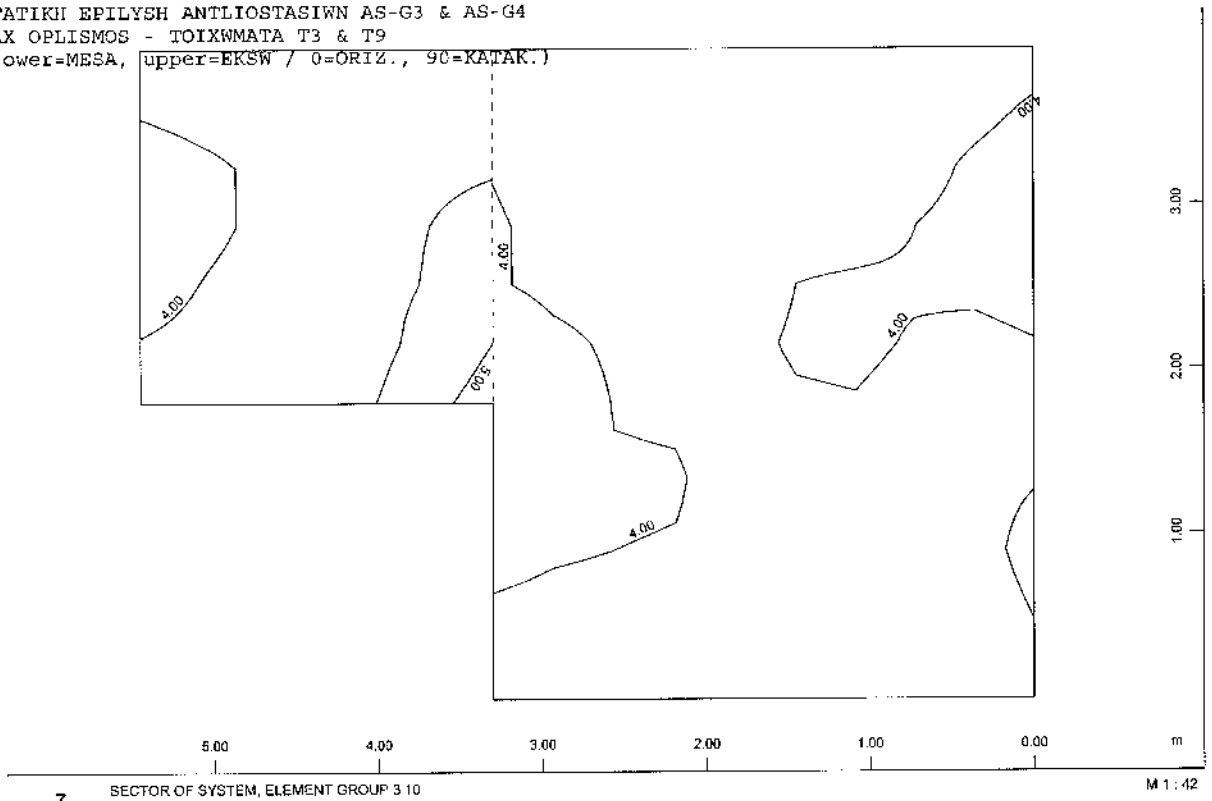
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



SECTOR OF SYSTEM, ELEMENT GROUP 9
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

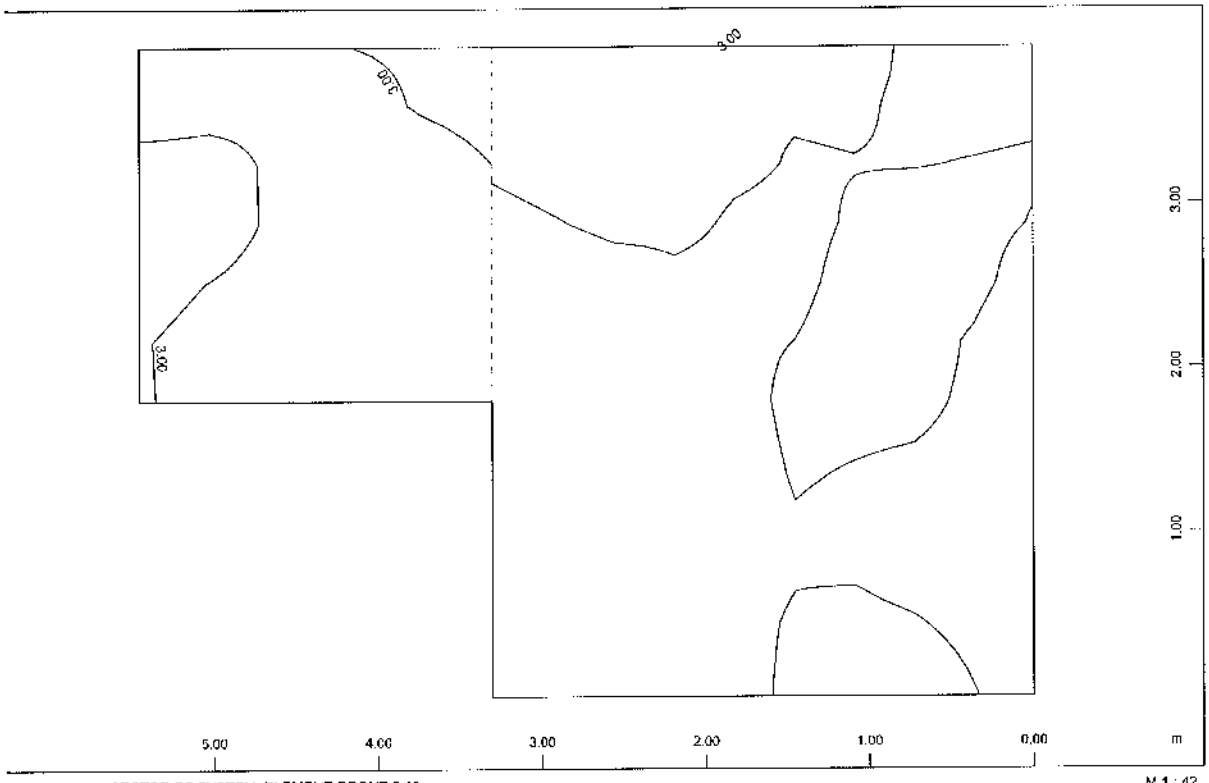
SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T3 & T9
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



M 1 : 42

SECTOR OF SYSTEM, ELEMENT GROUP 3 10
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 5.43
STEP 1.00 cm2/m

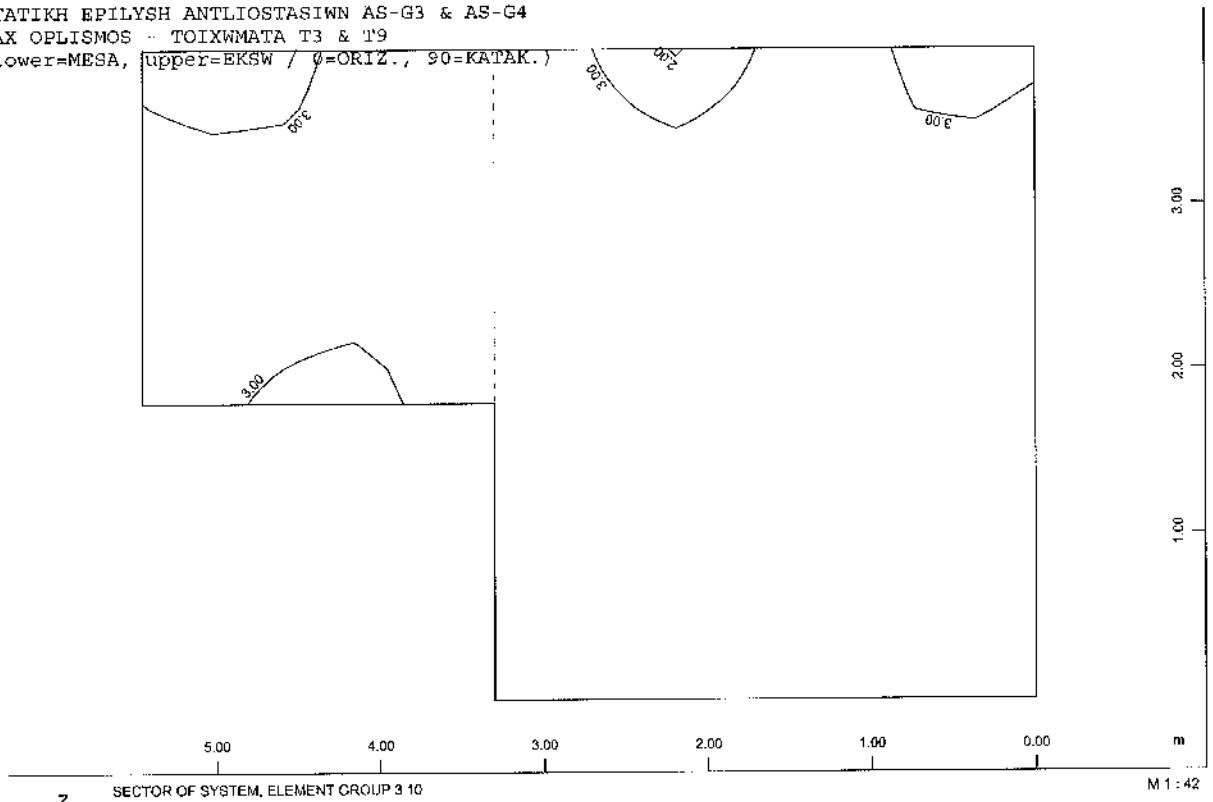


M 1 : 42

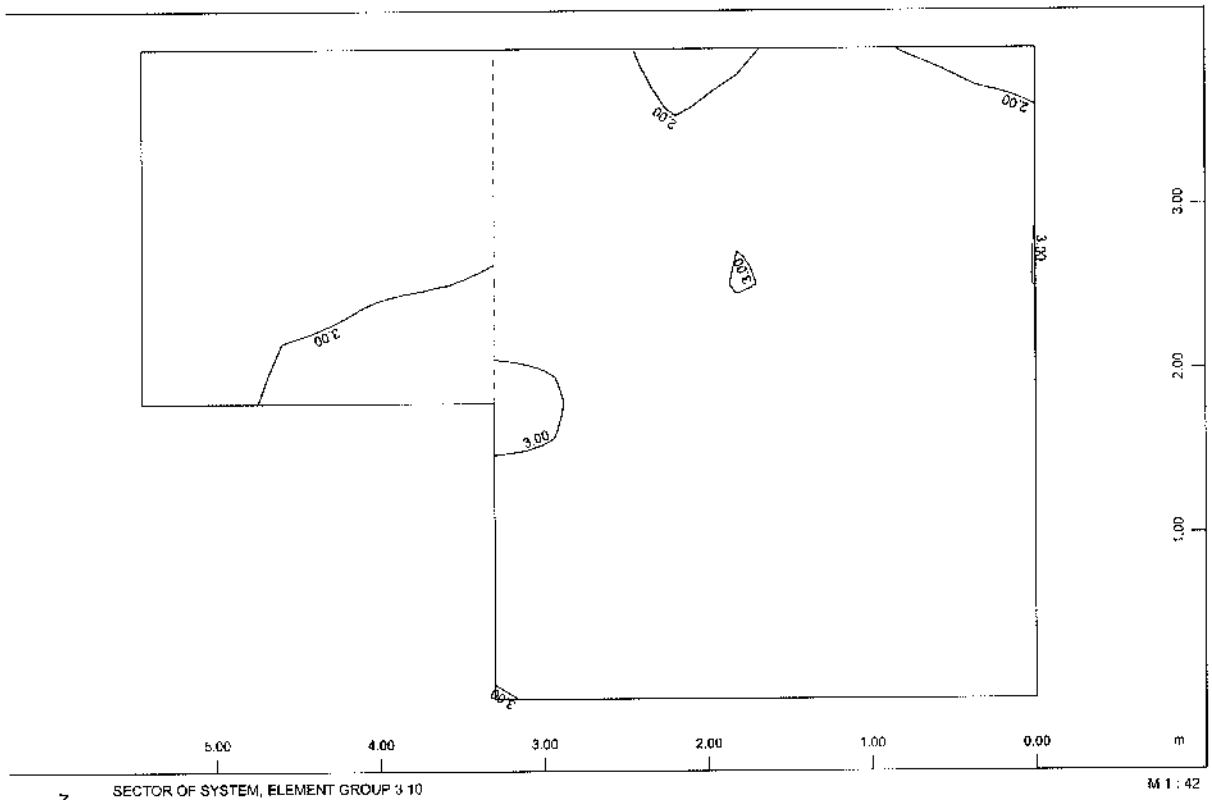
SECTOR OF SYSTEM, ELEMENT GROUP 3 10
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.81
STEP 1.00 cm2/m

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T3 & T9
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



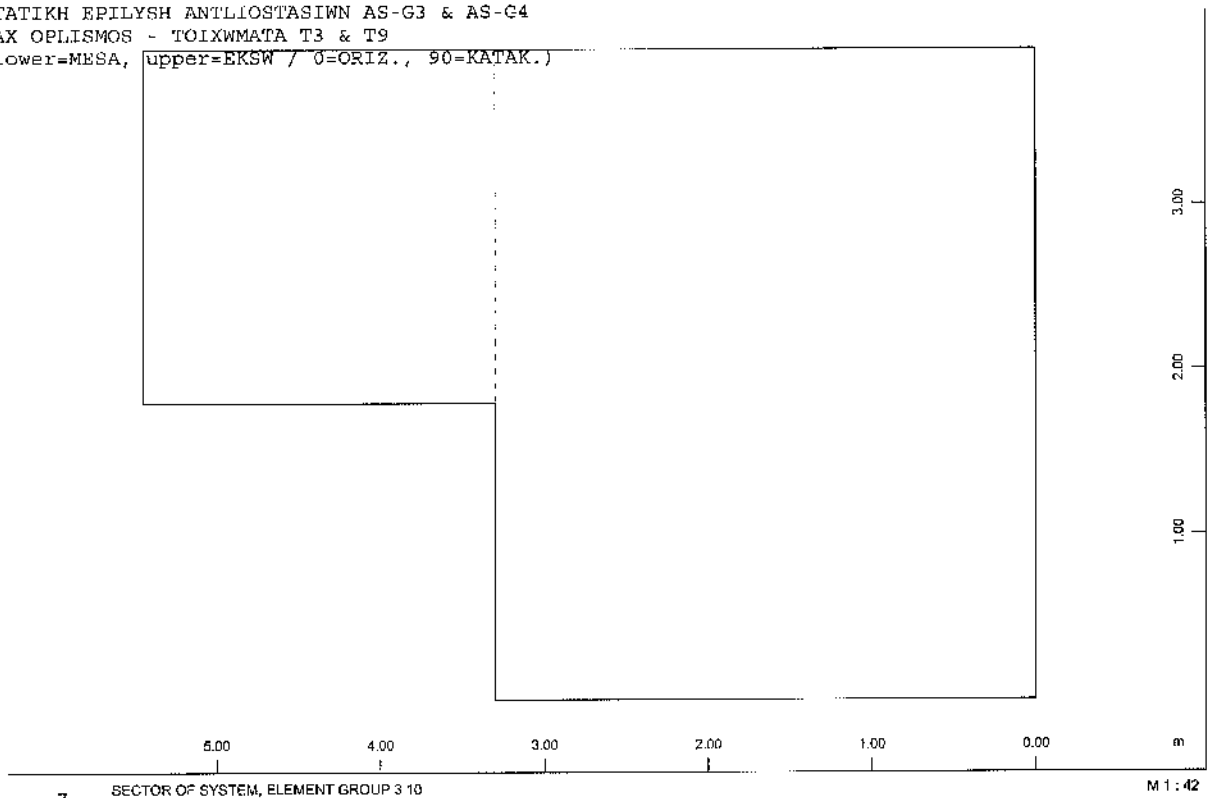
SECTOR OF SYSTEM, ELEMENT GROUP 3 10
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.98 STEP 1.00 cm2/m



SECTOR OF SYSTEM, ELEMENT GROUP 3 10
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.72 STEP 1.00 cm2/m

SOFISTIK AG - www.sofistik.com

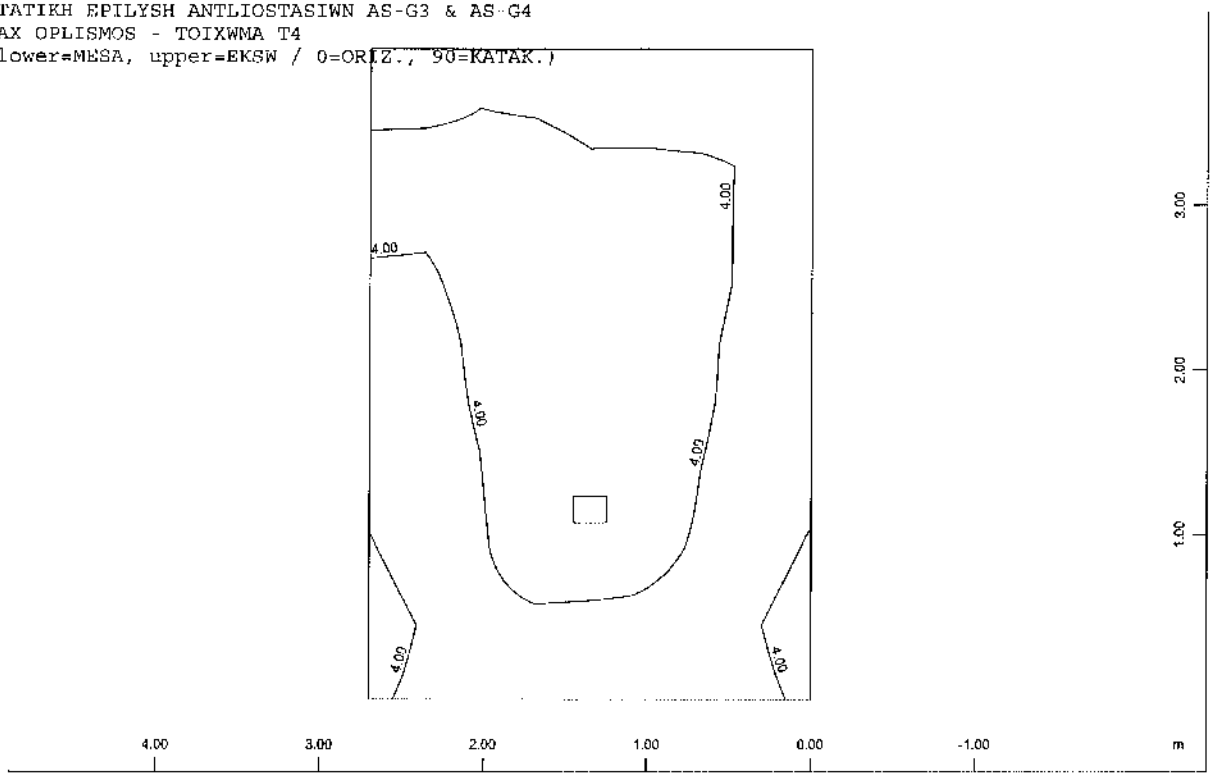
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMATA T3 & T9
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



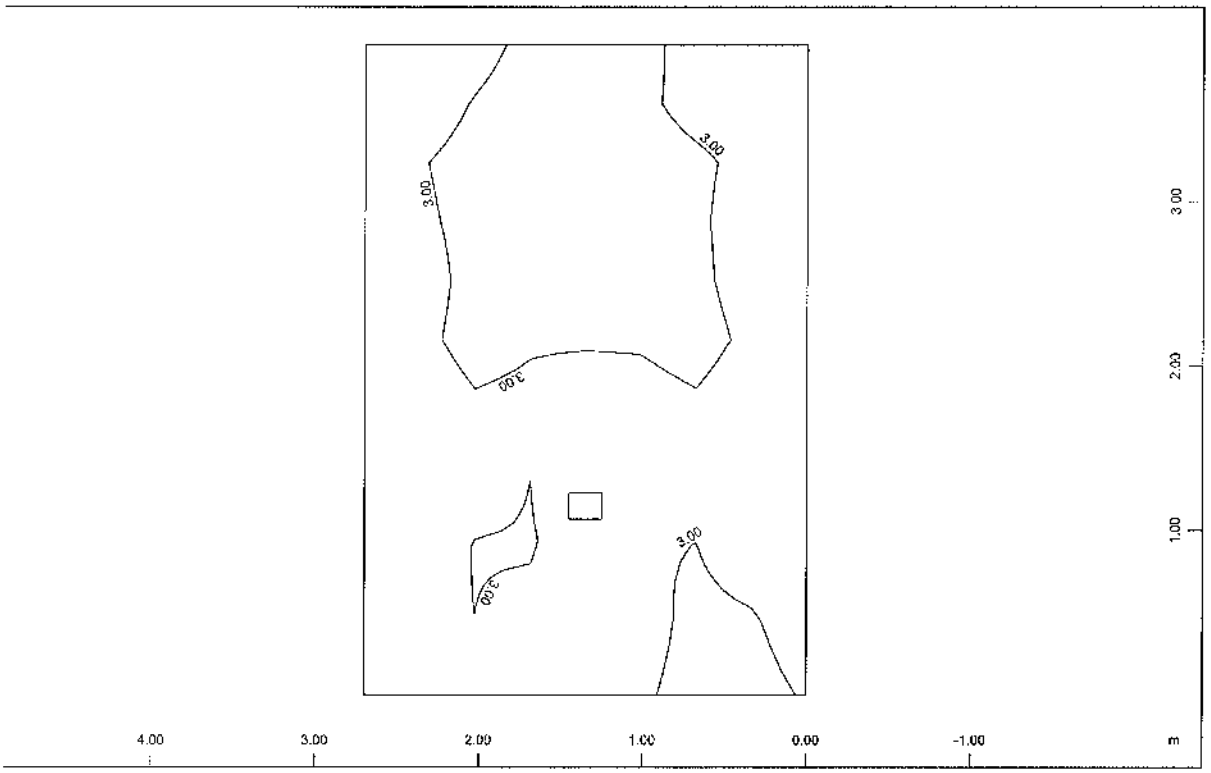
SECTOR OF SYSTEM, ELEMENT GROUP 3 10
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

SOFISTIK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T4
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



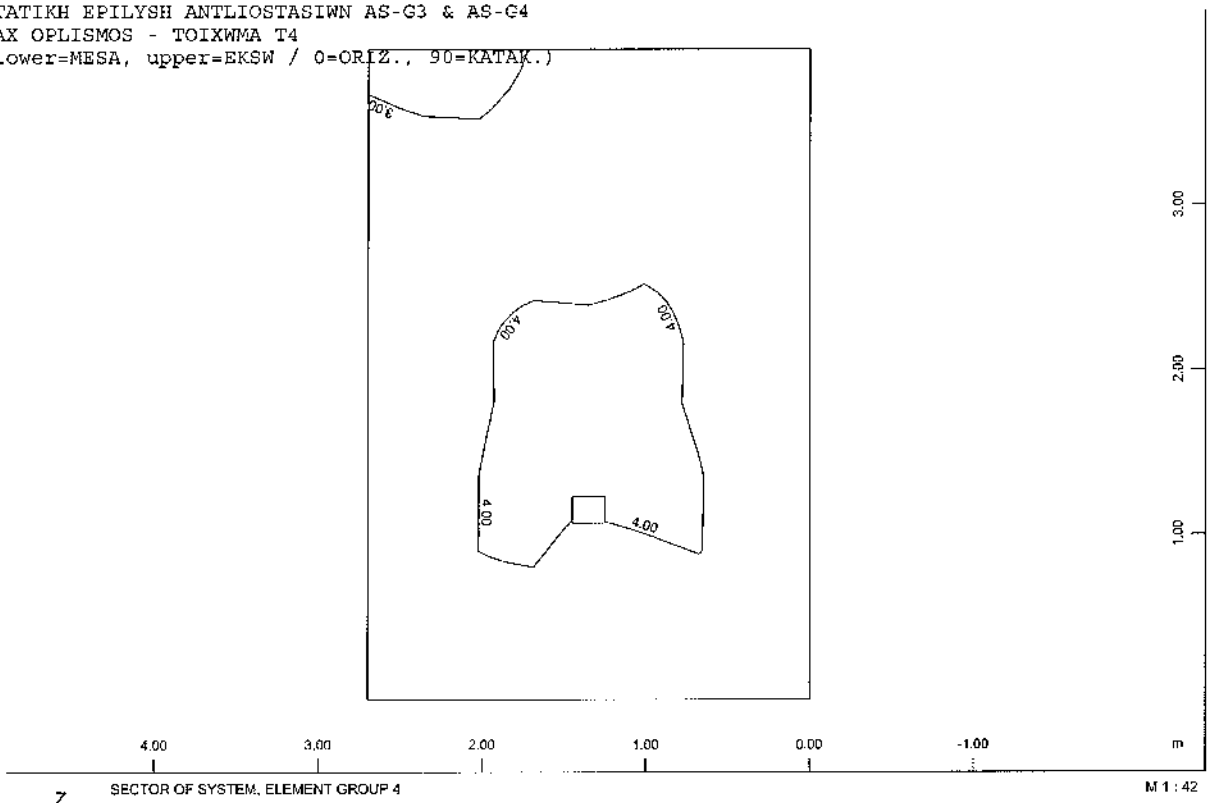
Z
Y
SECTOR OF SYSTEM, ELEMENT GROUP 4
M 1 : 42
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.74
STEP 1.00 cm2/m



Z
Y
SECTOR OF SYSTEM, ELEMENT GROUP 4
M 1 : 42
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.69
STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

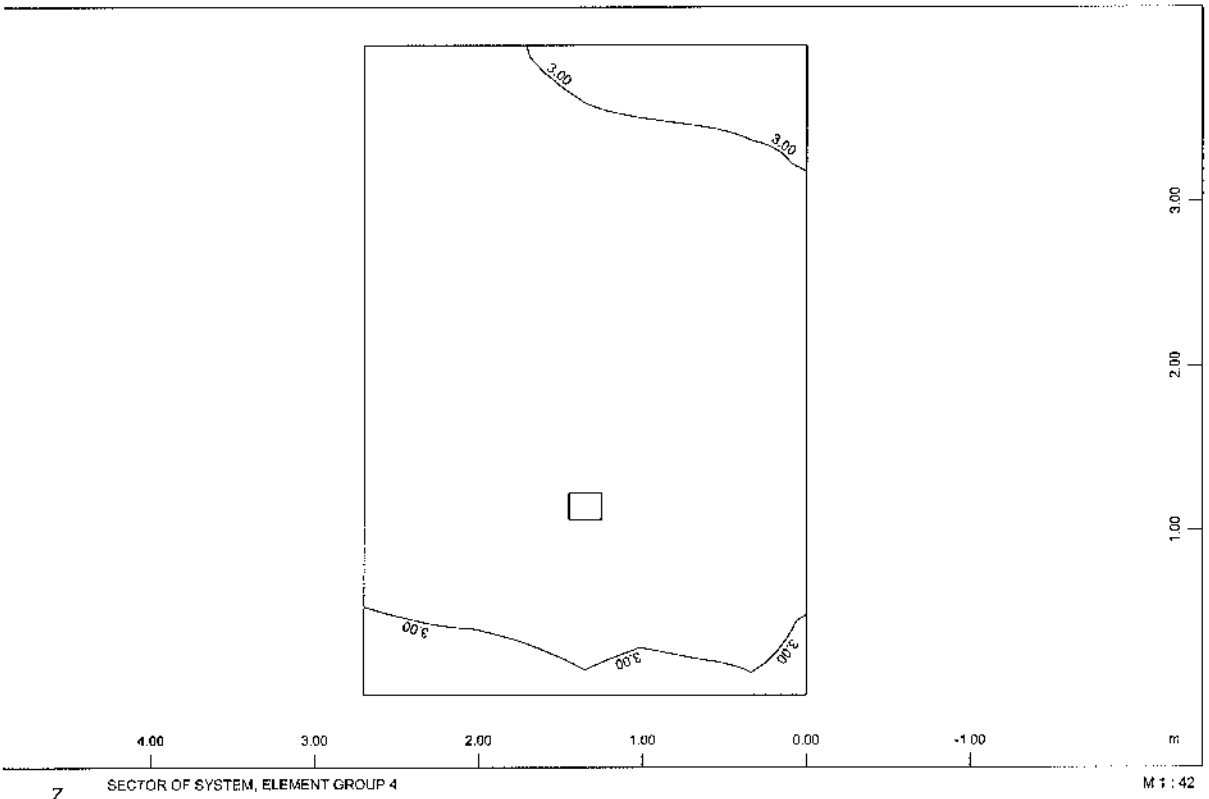
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T4
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



Z
Y—X

SECTOR OF SYSTEM, ELEMENT GROUP 4
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
4.37 STEP 1.00 cm2/m

M 1 : 42



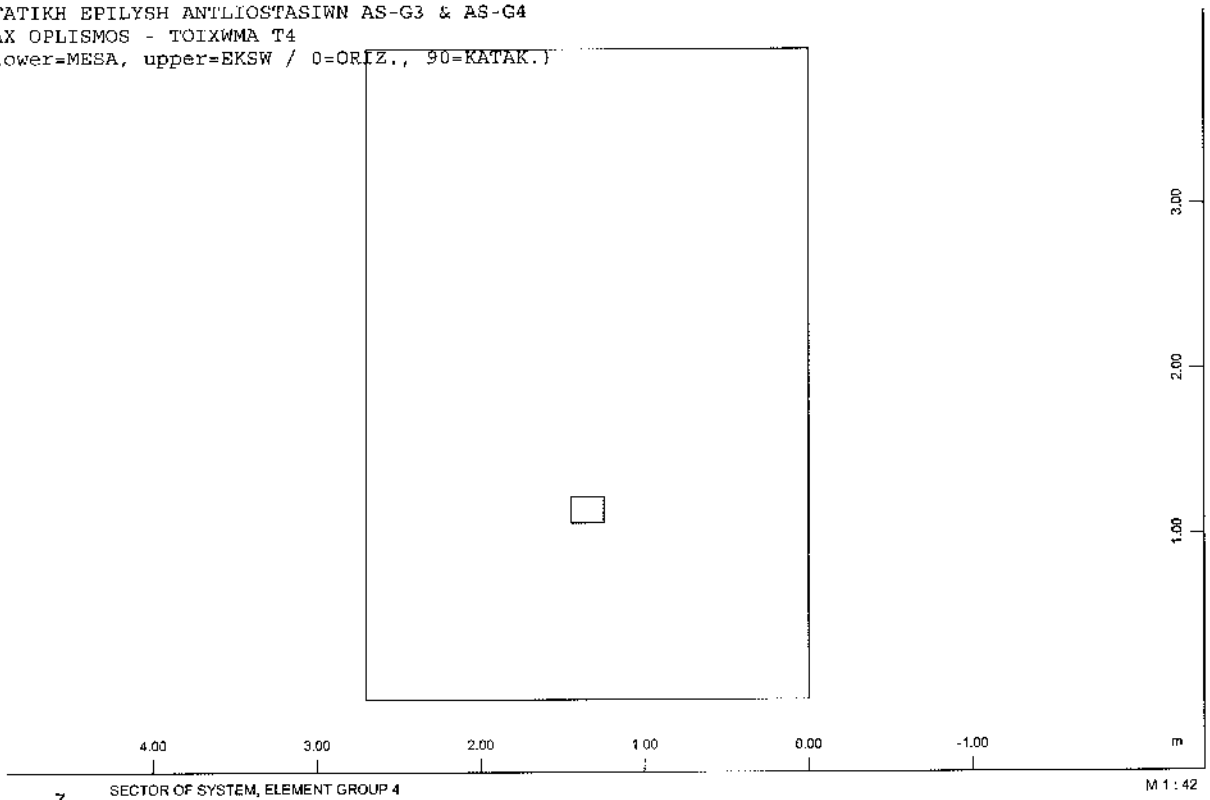
Z
Y—X

SECTOR OF SYSTEM, ELEMENT GROUP 4
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.78 STEP 1.00 cm2/m

M 1 : 42

SOFiSTiK AG - www.sofistik.com

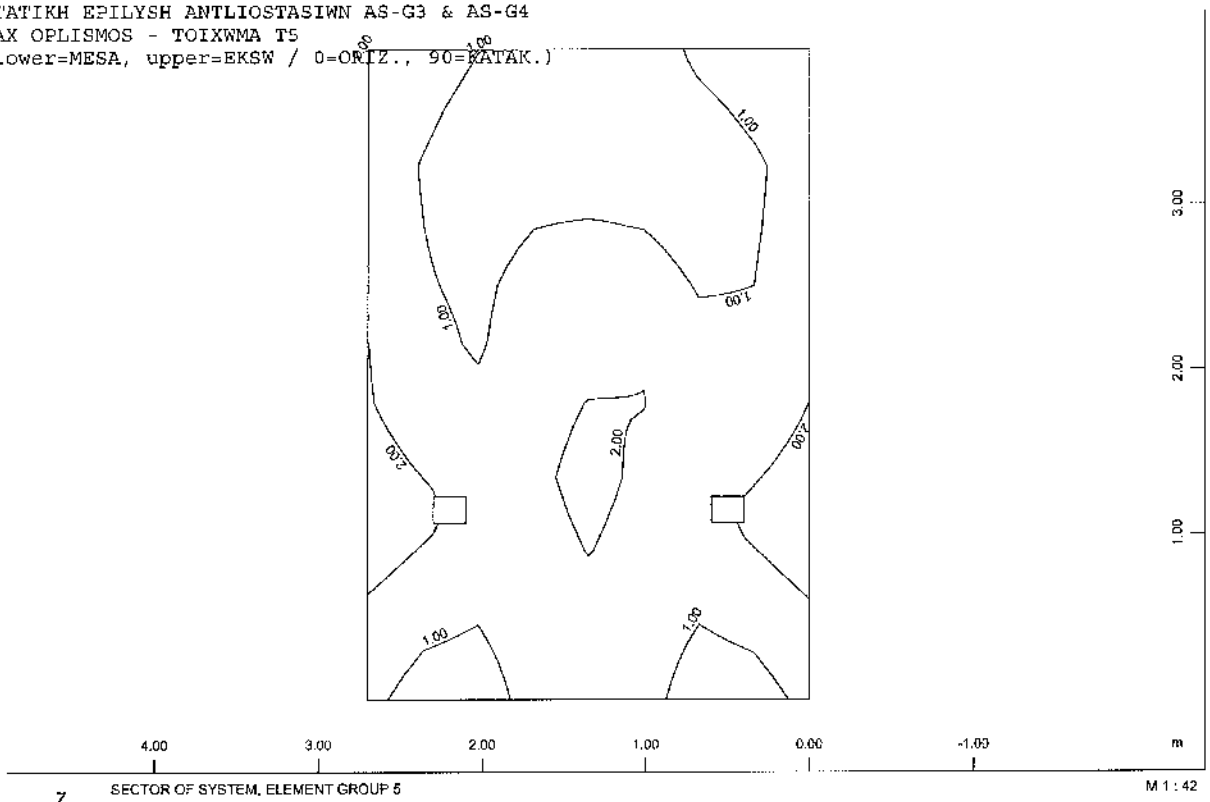
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T4
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



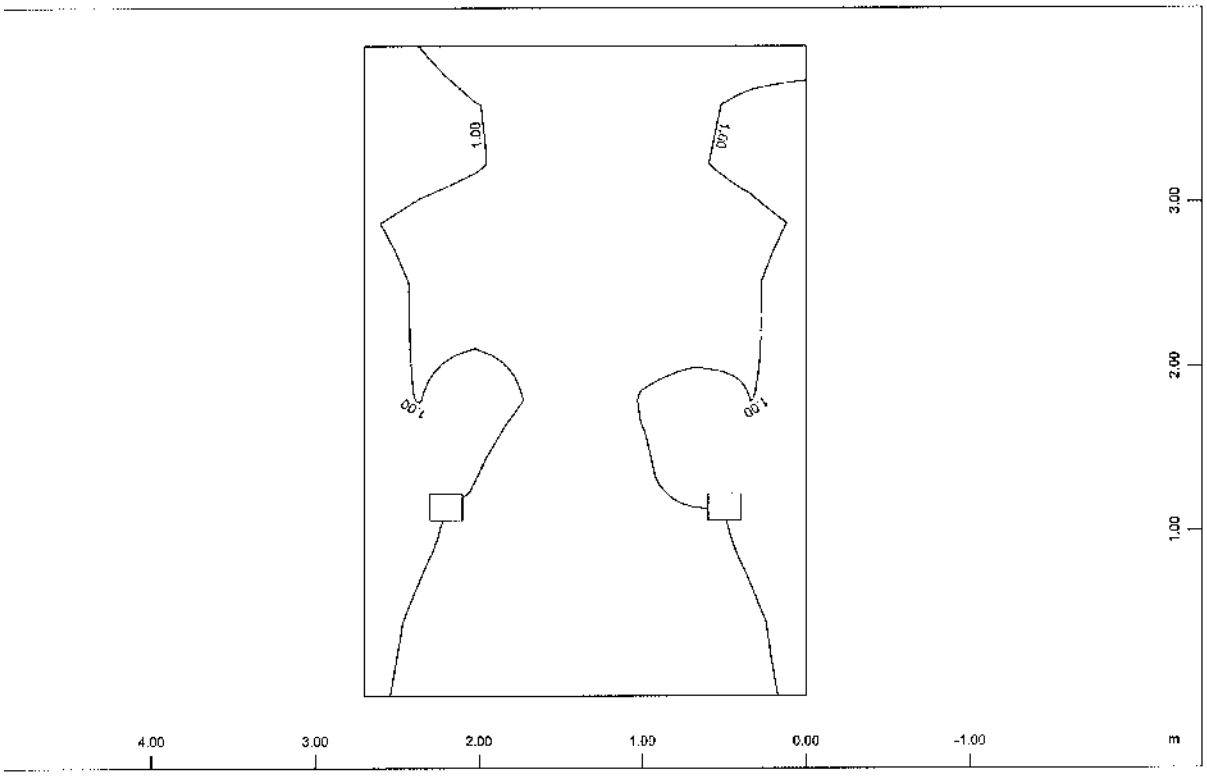
SECTOR OF SYSTEM, ELEMENT GROUP 4
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



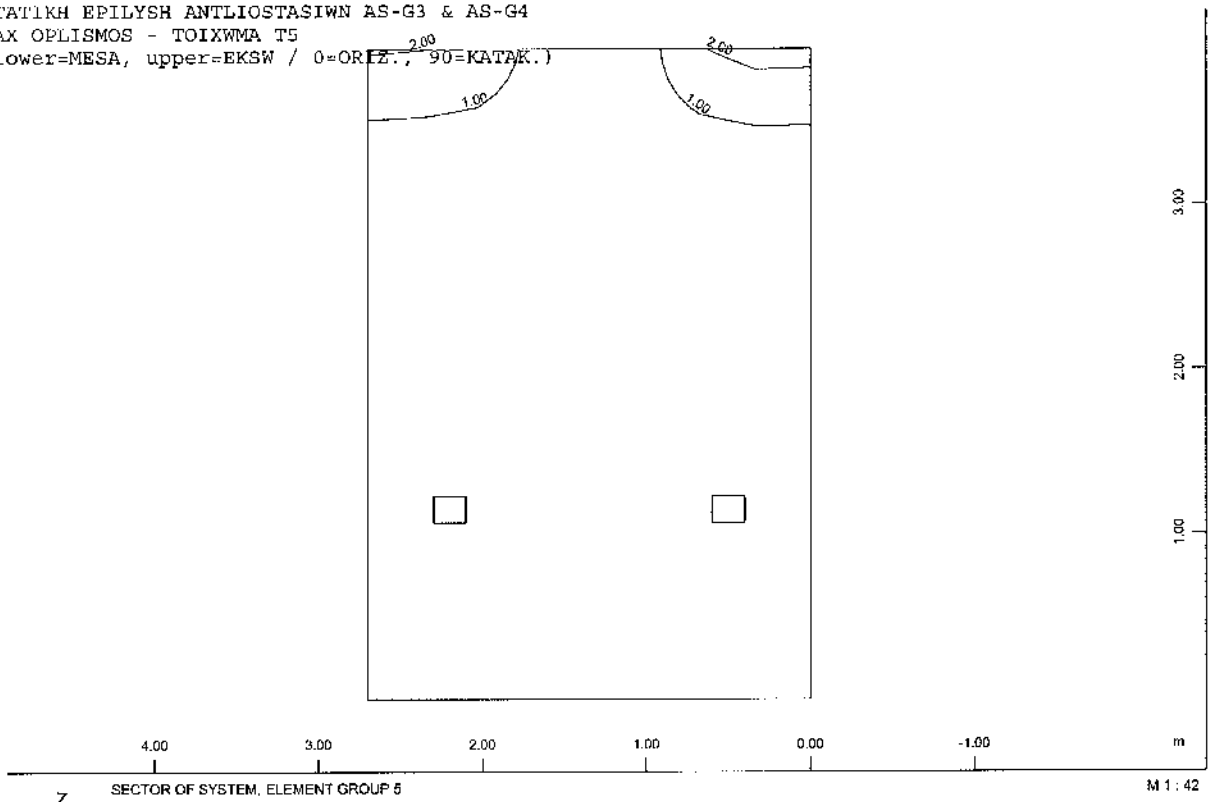
SECTOR OF SYSTEM, ELEMENT GROUP 5
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.08
STEP 1.00 cm2/m
M 1 : 42



SECTOR OF SYSTEM, ELEMENT GROUP 5
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.76
STEP 1.00 cm2/m
M 1 : 42

SOFiSTiK AG - www.sofistik.com

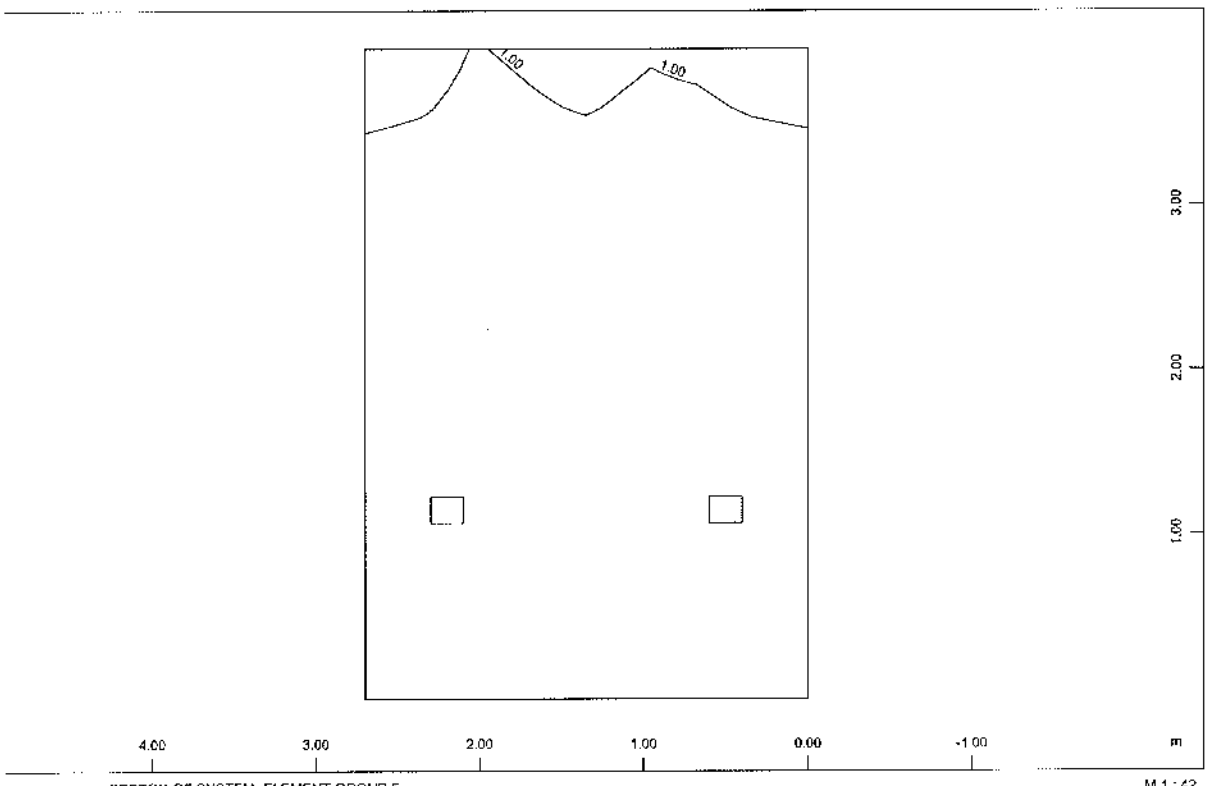
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=OREIZ., 90=KATAK.)



M 1 : 42

Z
Y

SECTOR OF SYSTEM, ELEMENT GROUP 5
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.78 STEP 1.00 cm2/m



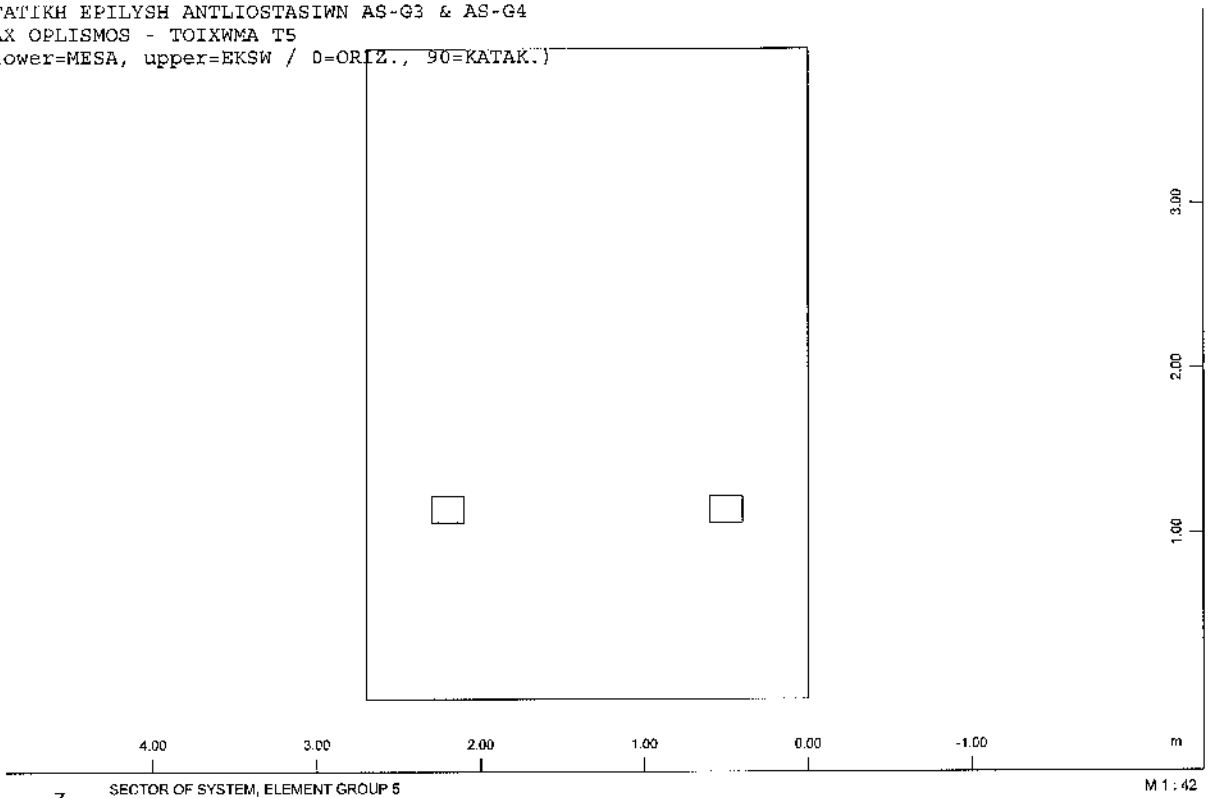
M 1 : 42

Z
Y

SECTOR OF SYSTEM, ELEMENT GROUP 5
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.53 STEP 1.00 cm2/m

SOFiSTiK AG - www.sofistik.com

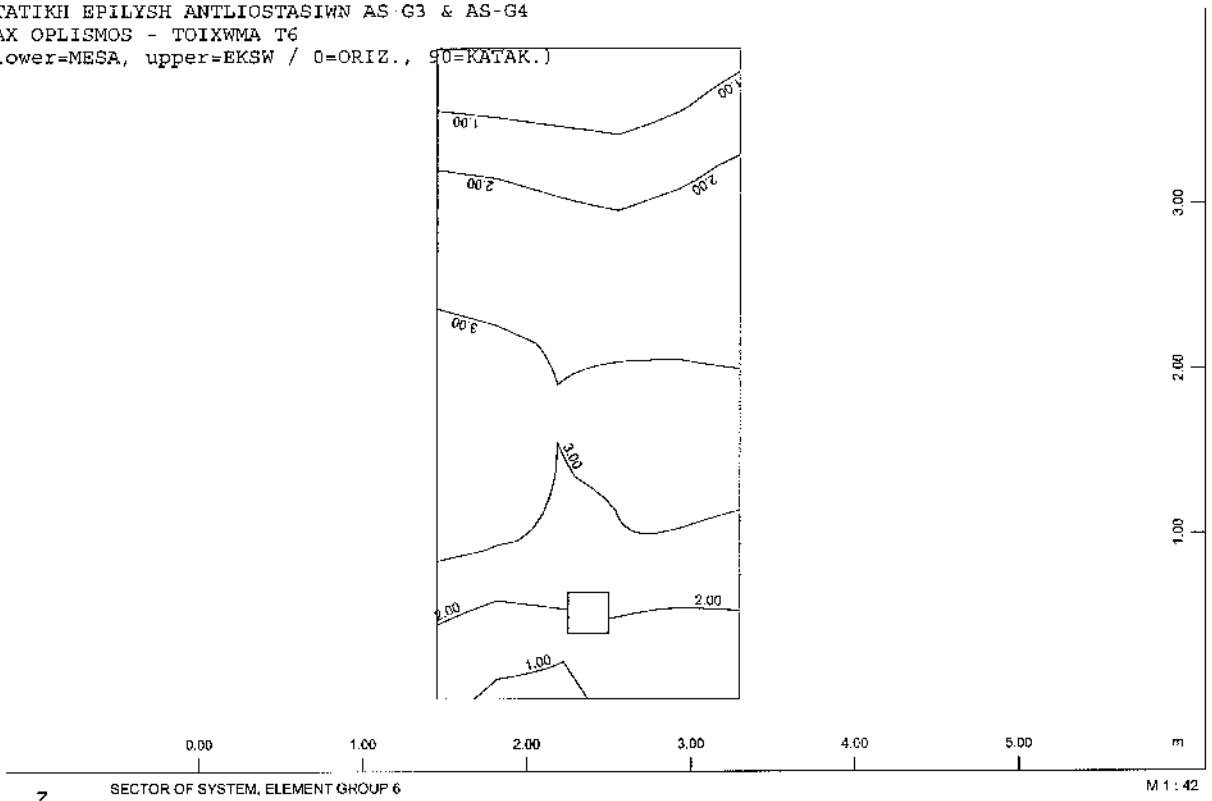
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T5
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



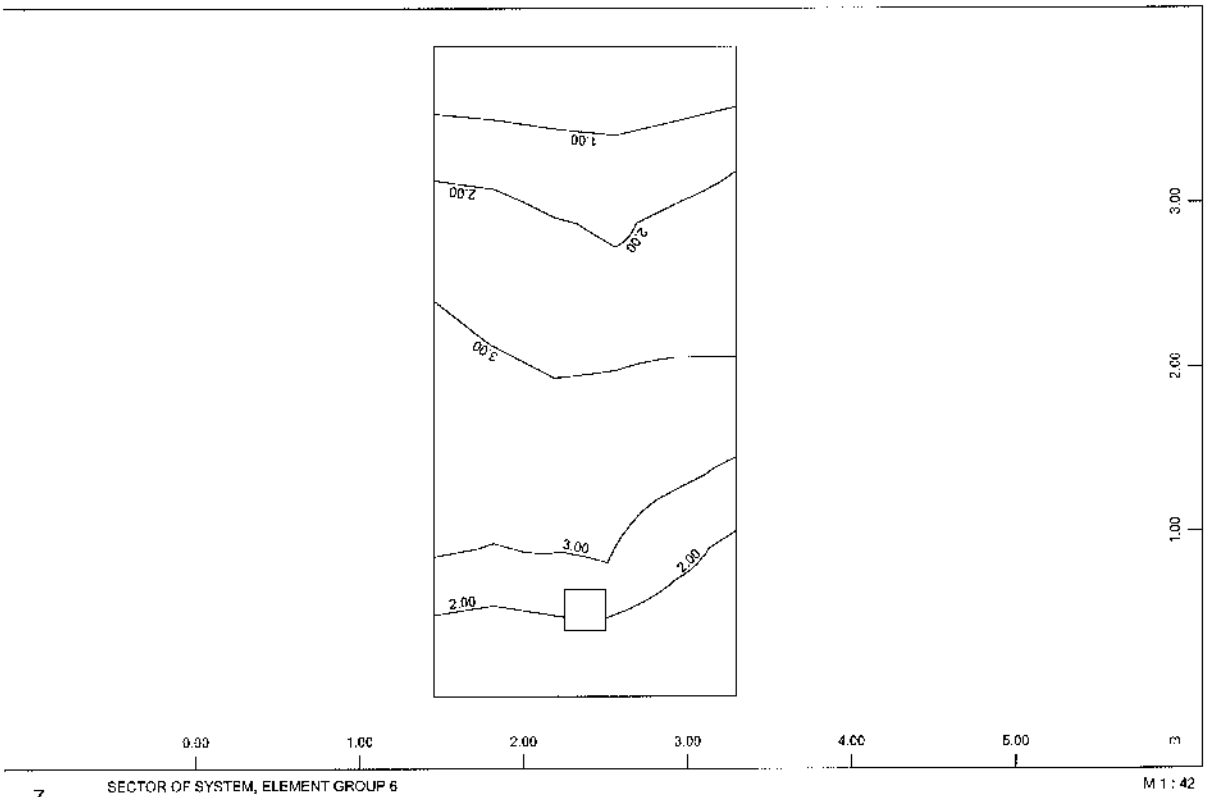
SECTOR OF SYSTEM, ELEMENT GROUP 5
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

SOFiSTiK AG - www.sofistik.com

STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T6
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



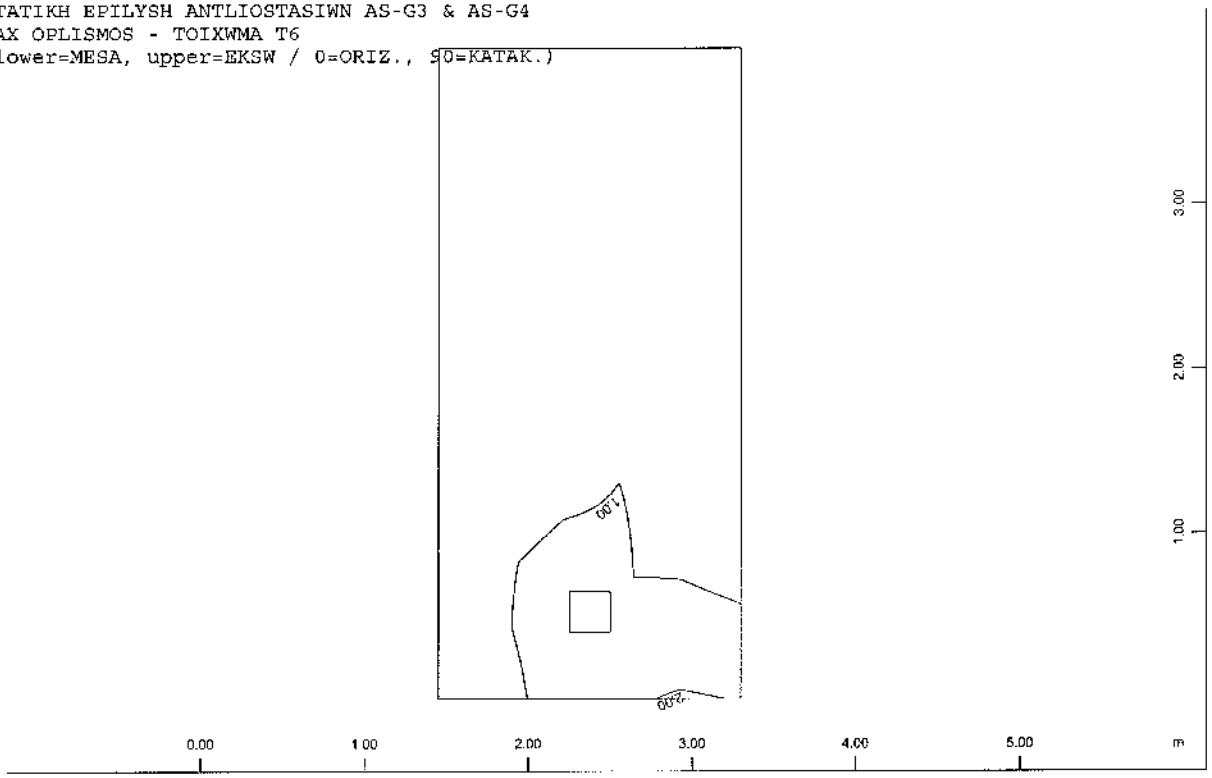
SECTOR OF SYSTEM, ELEMENT GROUP 6
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.18
STEP 1.00 cm2/m
M 1 : 42



SECTOR OF SYSTEM, ELEMENT GROUP 6
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.76
STEP 1.00 cm2/m
M 1 : 42

SOFiSTiK AG - www.sofistik.com

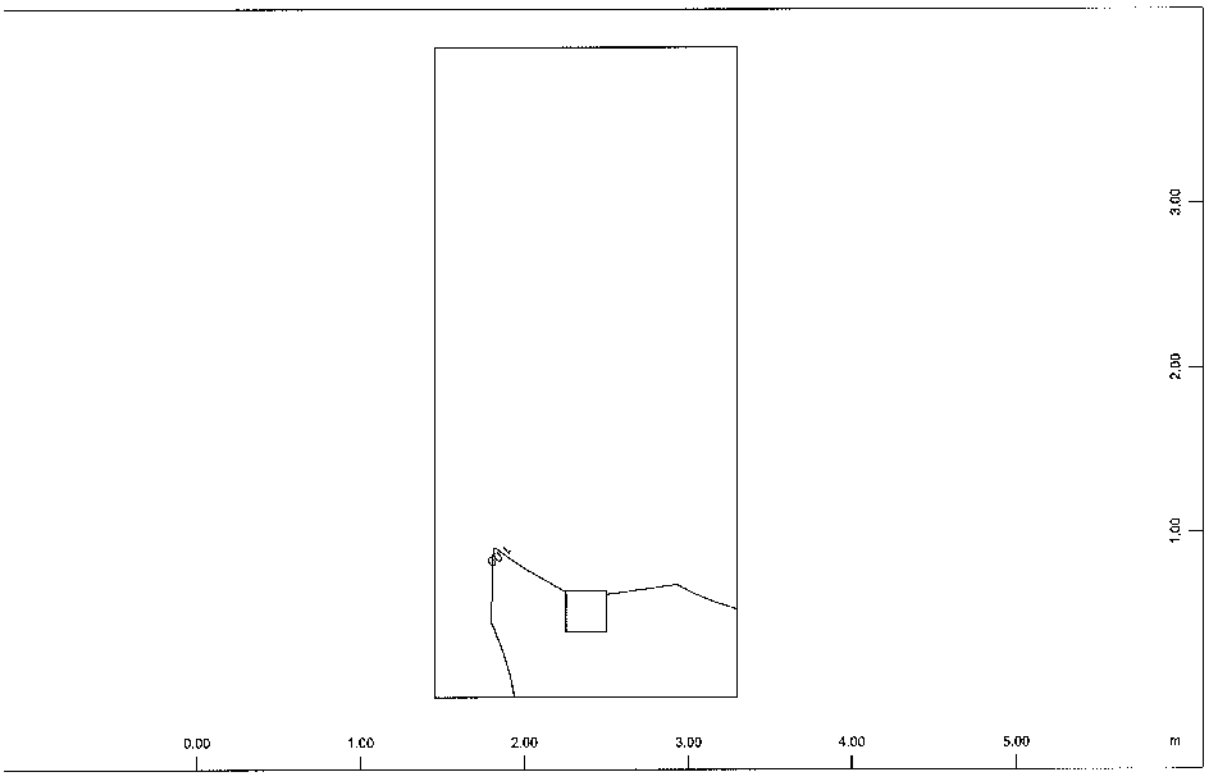
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T6
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



Z
Y X

SECTOR OF SYSTEM, ELEMENT GROUP 6
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.86 STEP 1.00 cm2/m

M 1 : 42



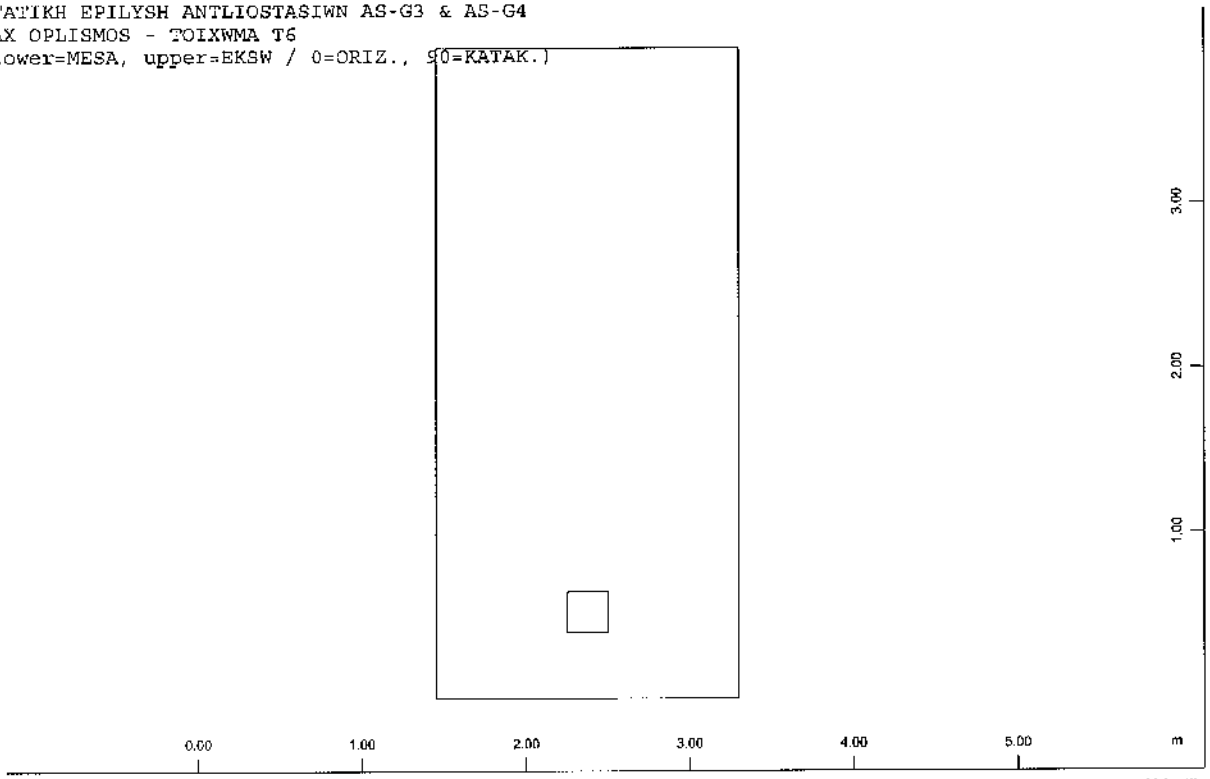
Z
Y X

SECTOR OF SYSTEM, ELEMENT GROUP 6
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO
3.67 STEP 1.00 cm2/m

M 1 : 42

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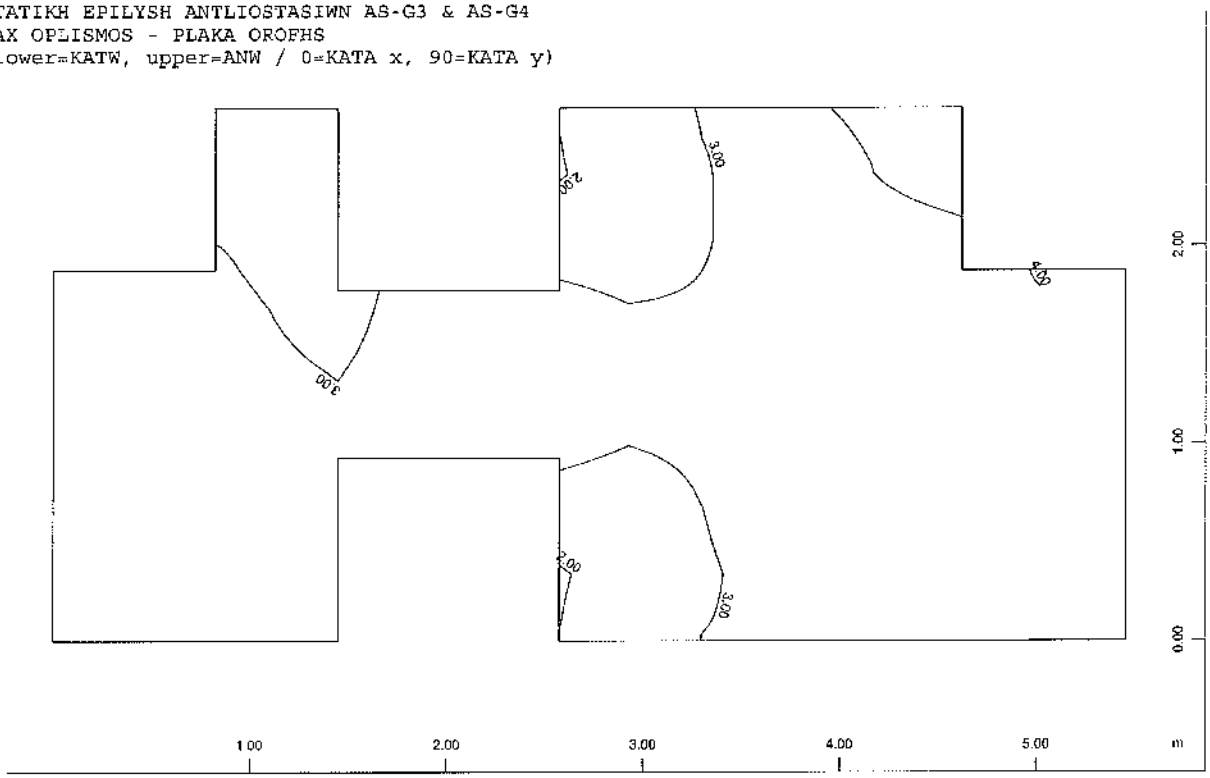
STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - TOIXWMA T6
(lower=MESA, upper=EKSW / 0=ORIZ., 90=KATAK.)



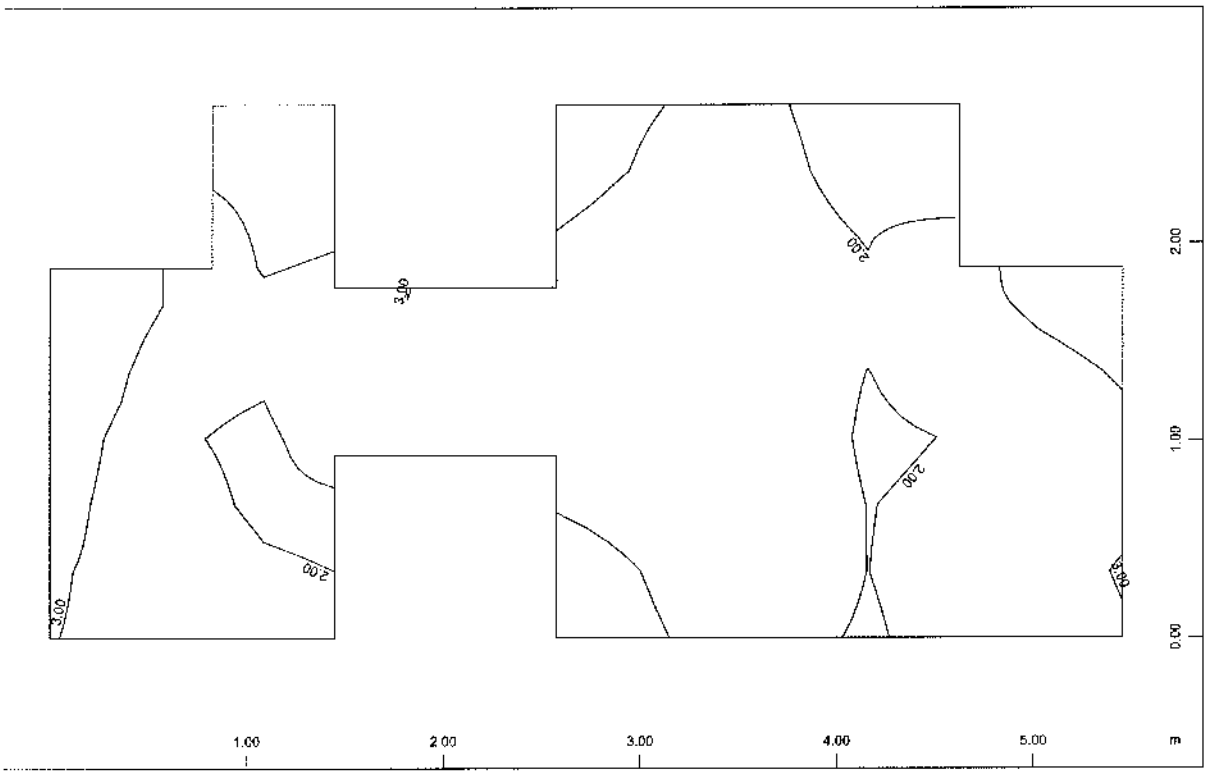
SECTOR OF SYSTEM, ELEMENT GROUP 6
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA OROFHS
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



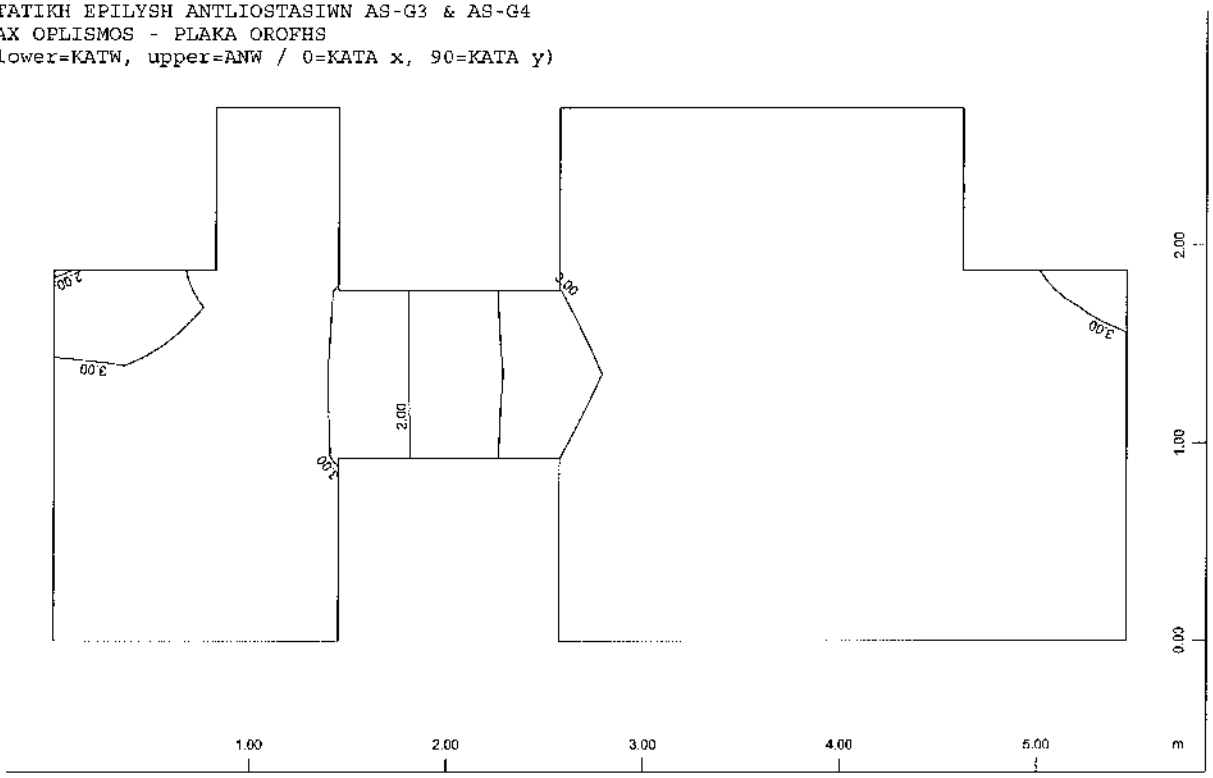
SECTOR OF SYSTEM, ELEMENT GROUP 12
LOWER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 4.05
STEP 1.00 cm2/m
M 1 : 35



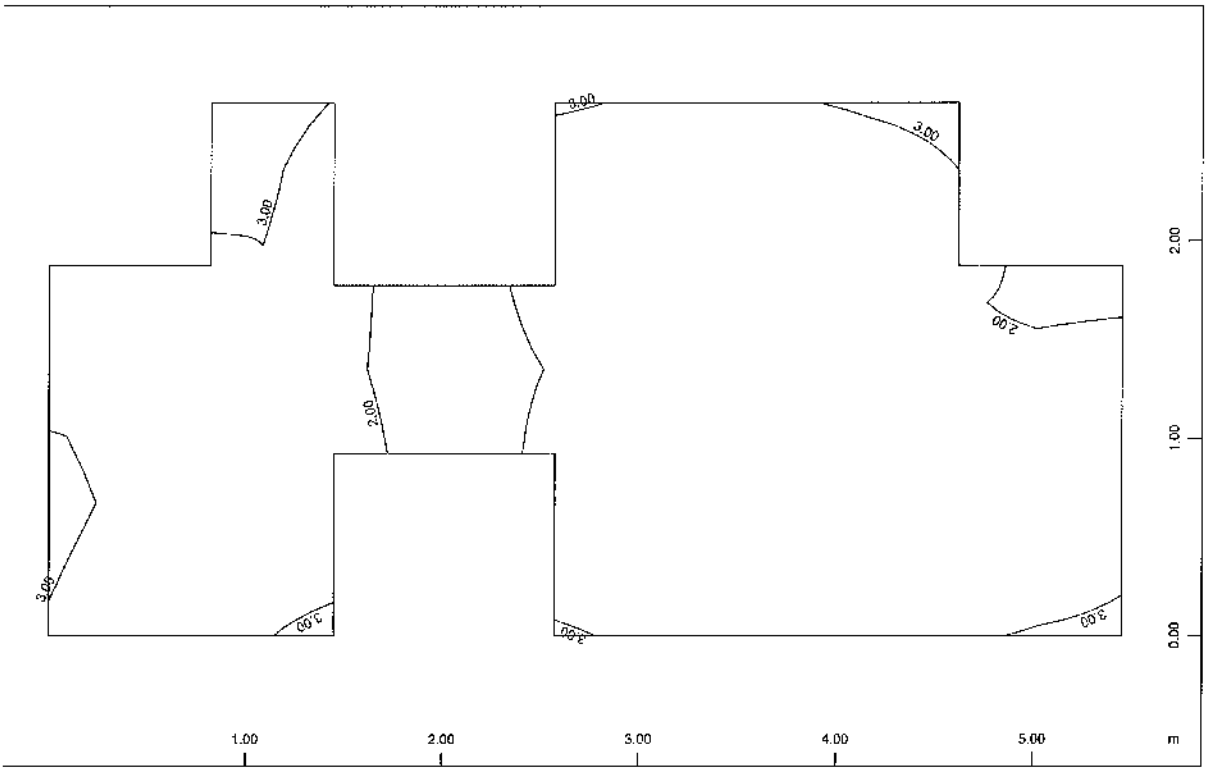
SECTOR OF SYSTEM, ELEMENT GROUP 12
UPPER REINFORCEMENTS(0) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.88
STEP 1.00 cm2/m
M 1 : 35

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA OROFHS
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



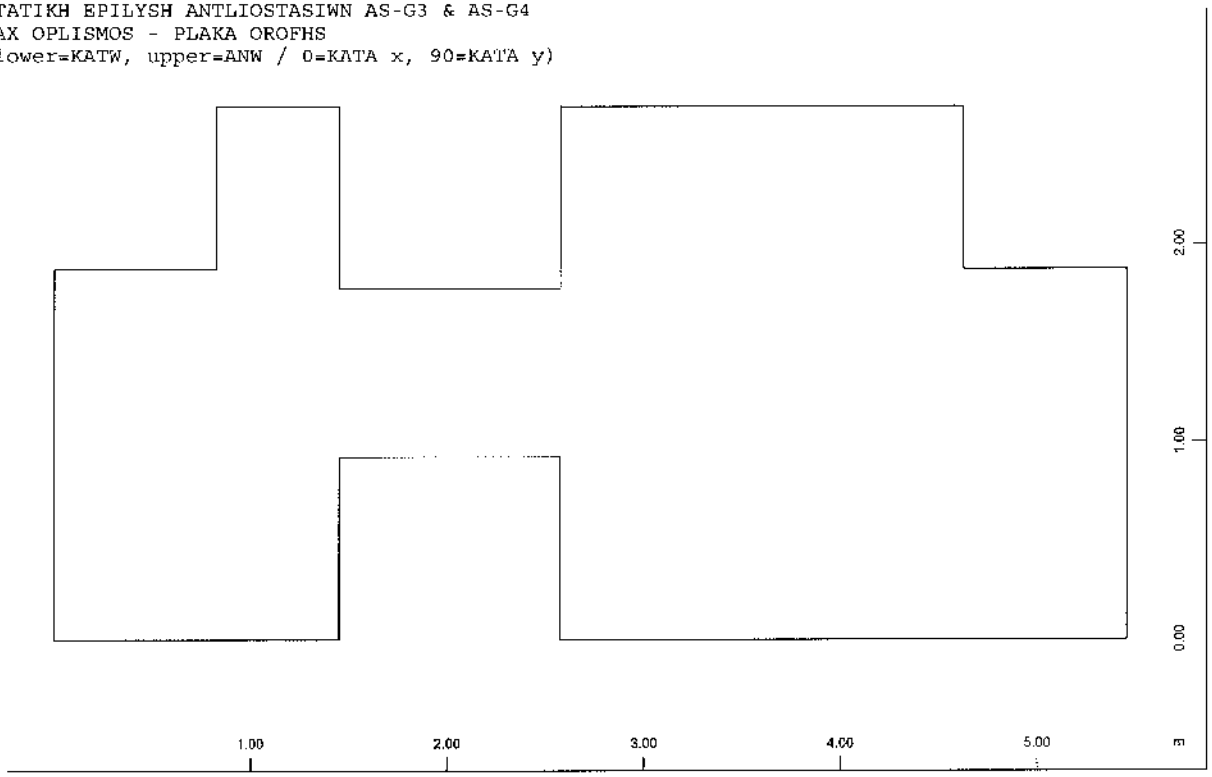
SECTOR OF SYSTEM, ELEMENT GROUP 12 M 1 : 35
LOWER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.88 STEP 1.00 cm2/m



SECTOR OF SYSTEM, ELEMENT GROUP 12 M 1 : 35
UPPER CROSS REINFORCEMENTS(90) DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 3.78 STEP 1.00 cm2/m

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STATIKH EPILYSH ANTLIOSTASIWN AS-G3 & AS-G4
MAX OPLISMOS - PLAKA OROFHS
(lower=KATW, upper=ANW / 0=KATA x, 90=KATA y)



M 1 : 35

SECTOR OF SYSTEM, ELEMENT GROUP 12
SHEAR-REINFORCEMENTS DESIGN CASE 1 FROM ELEMENTS FROM 0.0 TO 0.0 STEP
2.00 cm2/m2

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