STENA PROJEKTIRANJE IN NADZOR , DARJO MIRC S.P.
sedež: LOKEV 30, 6219 LOKEV; tel: 031 622 139; e-mail: stena.sezana@siol.net

3 - NAČRT
GRADBENIH KONSTRUKCIJ

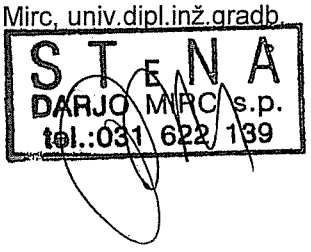
investitor MESTNA OBČINA KOPER
Verdijeva ulica 10, 6000 Koper

20/11 PZI

Lokev februar 2011

Odgovorni predstavnik podjetja:

Darjo Mirc, univ.dipl.inž.gradb.



Št. izvoda: 1 2 3 4 5

STENA PROJEKTIRANJE IN NADZOR , DARJO MIRC S.P.
sedež: LOKEV 30, 6219 LOKEV; tel: 031 622 139; e-mail: stena.sezana@siol.net

3 - NAČRT GRADBENIH KONSTRUKCIJ

Investitor:	MESTNA OBČINA KOPER Verdijeva ulica 10, 6000 Koper
Objekt:	**OŠ IVAN BABIČ JAGER MAREZIGE** p.št.: 1205/1, 1205/2, 1205/6, 1205/7, 1205/8 , 1205/9 , p.št.: 1205/10, 1205/11, 1205/12 in *266 vse k.o. Marezige
Vrsta in št.proj. dokumentacije:	**PZI** 08/2010
Za gradnjo:	REKONSTRUKCIJA OBSTOJEČE ŠOLE IN NOVOGRADNJA PRIZIDKA TER ZUNANJEGA OSEBNEGA DVIGALA
Projektant:	STENA projektiranje in nadzor Darjo Mirc s.p., Lokev 30, 6219 Lokev
Odgovorni projektant:	Darjo Mirc univ.dipl.inž.grad. IZS G-0546
Številka načrta:	**20/11**
Kraj in datum izdelave načrta:	Lokev februar 2011
Odgovorni vodja projekta:	Arnela Vidoševič univ.dipl.inž.arh. ZAPS 1260-A

STeNA PROJEKTIRANJE IN NADZOR , DARJO MIRC S.P.
sedež: LOKEV 30, 6219 LOKEV; tel: 031 622 139; e-mail: stena.sezana@siol.net

KAZALO VSEBINE NAČRTA GRADBENIH KONSTRUKCIJ št. 20/11

1. Naslovna stran načrta

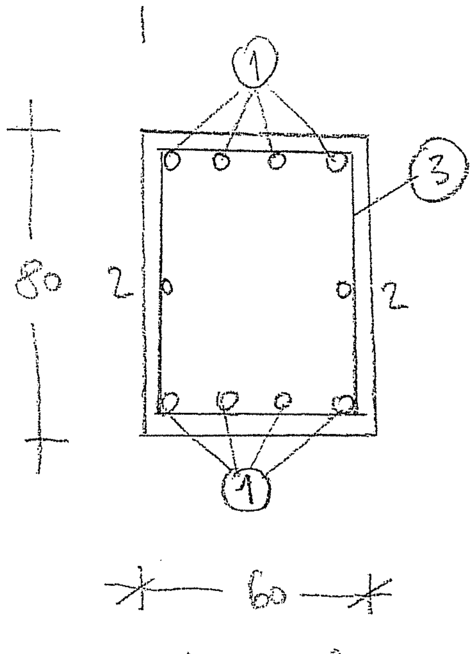
2. Kazalo vsebine načrta

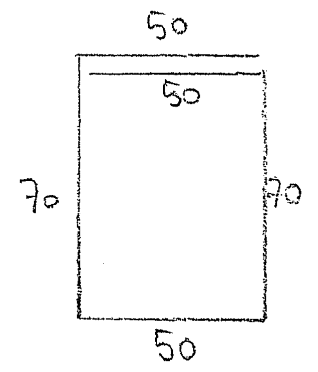
3. Risbe
Armaturni načrti:

Armaturni izvlečki

ARMATURNI NAČRTI

Poz (PT) PASOVNI TEMELJI 60/80 cm ; L = 190 m





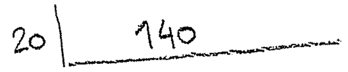
RA ③ ϕ8/25 cm ; l = 2·90 m ;
ΣSom = 750

RA ① ± 4 ϕ14 ; l = 8·0 m ; ΣSom = 8 × 27 = 216
RA ② 2 ϕ10 ; l = 8·0 m ; ΣSom = 25 × 2 = 50

PRI KRIŽANJU, STIKOVANJU IN SIDRANJU ARMATURE (PT) UPOŠTEVAMO 70 cm PREKLOPA.

SIDRA V (VV) Kos = 28

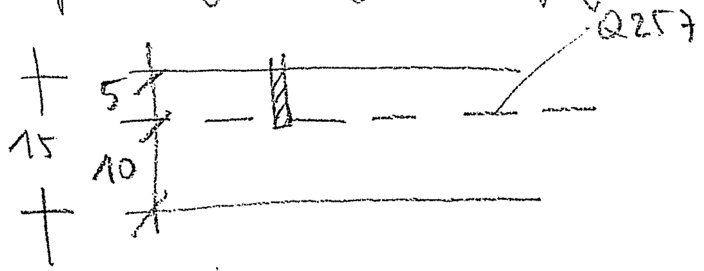
RA ④ ± 2 ϕ14 ; l = 1·60 m ; ΣSom = 4 × 28 = 112



Poz (TP) TALNA PLOŠČA d = 15 cm ; P ≅ 700 m²

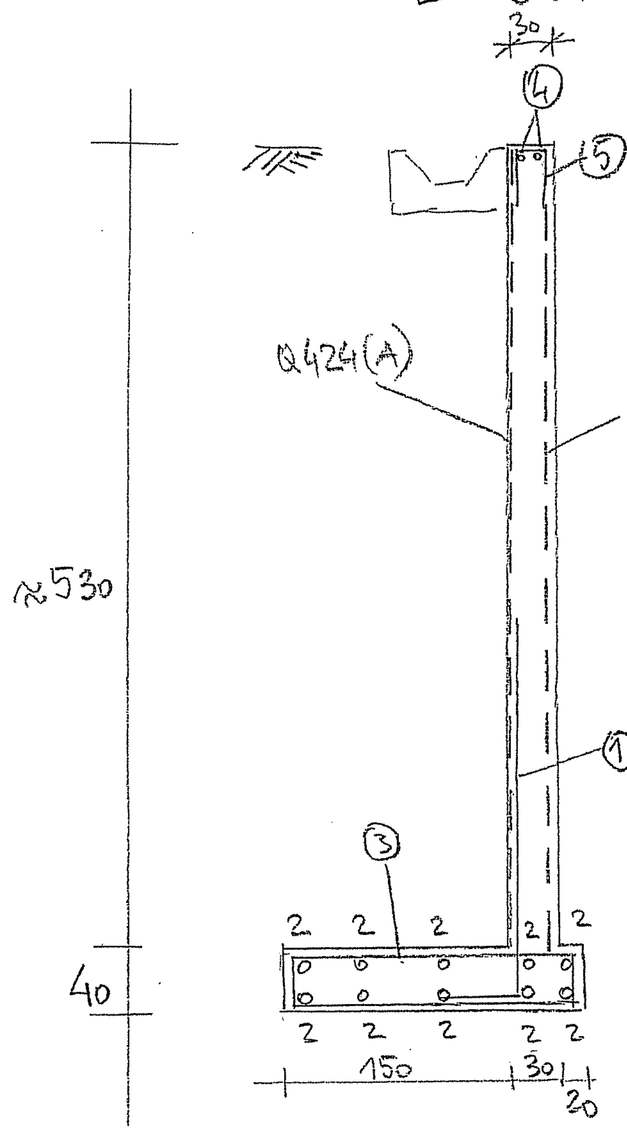
ARMATURA MA Ⓒ Q257 ENOJNA 220 × 500 Som = 85

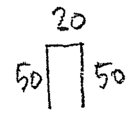
DILATACIJSKA POLJA cca 7,0 × 7·0 m OZIROMA VMESNI ZIDOVI.
V PRITLIČJU NAJVEČJE POLJE 15 × 7,0 m IZVEDEMO 1× DILATACIJO.



DILATACIJA - Z ŽAGO ZA BETON IN NAPOLNIMO S TRAJNO ELASTIČNIM KITOM.

Poz (OZ) OPORNI ZID H = cca 5,30 m d = 30 cm
L = 31 + 15,5 ≅ 46,50 m C 25/30, S500

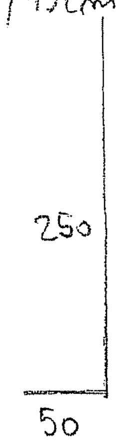




RA ⑤ ϕ8/30 cm ; l = 1·20 m ;
ΣSom = 150

RA ④ 2 ϕ12 ; l = 8·00 m ; ΣSom = 2 × 7 = 14

RA ① ϕ14/15 cm ; l = 3·00 m ;
ΣSom = 310

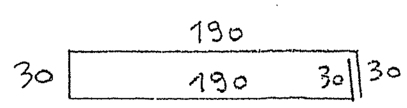


RA ② ± 5 ϕ14 ; l = 8·00 m ;
ΣSom = 10 × 7 = 70

SEZNAM MA

Ⓐ Q424 220 × 520 Som = 26
Ⓑ Q257 220 × 500 Som = 26

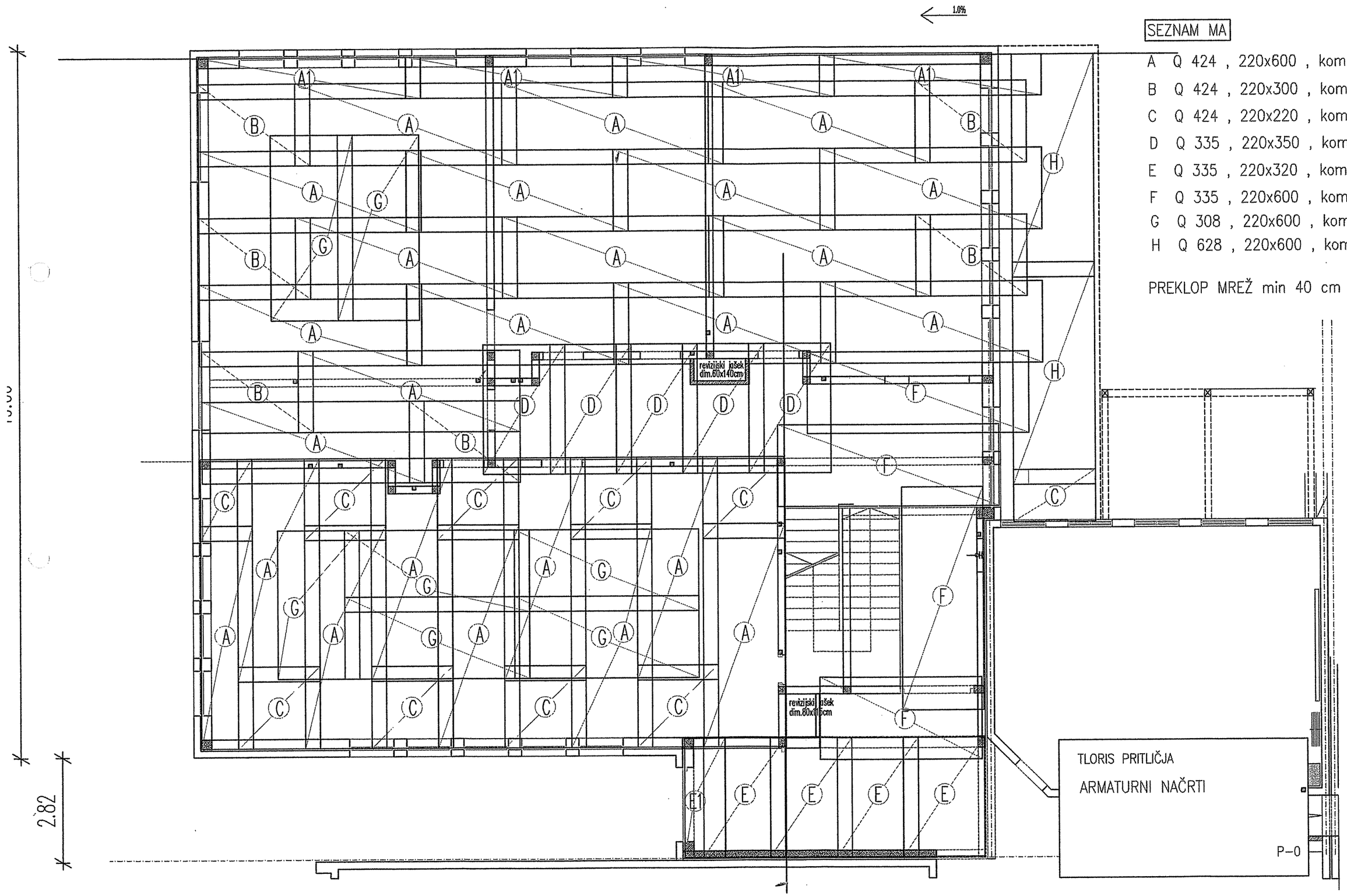
PREKLOP MIN 40 cm



RA ③ ϕ10/15 cm ; l = 4·70 m ; ΣSom = 310

KANALETO ARMIRANO MINIMALNO Z MA Q196 Som = 6

objekt: OŠ IVAN BABIČ JAGER MAREZIGE
plošča nad pritličjem – armatura spodaj
debelina d=24cm

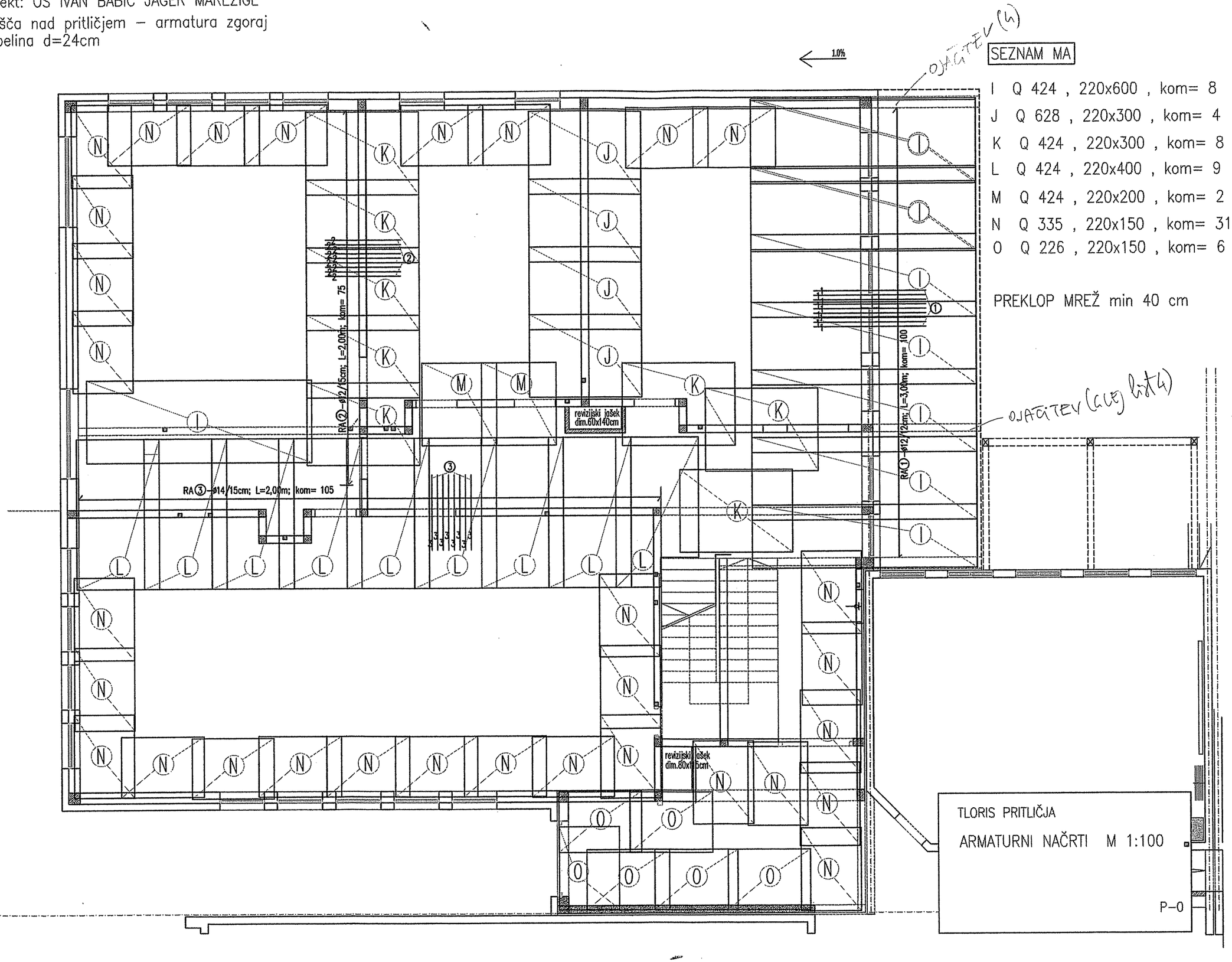


SEZNAM MA

A	Q 424	220x600	kom=	25
B	Q 424	220x300	kom=	6
C	Q 424	220x220	kom=	10
D	Q 335	220x350	kom=	5
E	Q 335	220x320	kom=	6
F	Q 335	220x600	kom=	5
G	Q 308	220x600	kom=	7
H	Q 628	220x600	kom=	2

PREKLOP MREŽ min 40 cm

objekt: OŠ IVAN BABIČ JAGER MAREZIGE
plošča nad pritličjem – armatura zgoraj
debelina d=24cm



SEZNAM MA

I	Q 424	,	220x600	, kom= 8
J	Q 628	,	220x300	, kom= 4
K	Q 424	,	220x300	, kom= 8
L	Q 424	,	220x400	, kom= 9
M	Q 424	,	220x200	, kom= 2
N	Q 335	,	220x150	, kom= 31
O	Q 226	,	220x150	, kom= 6

PREKLOP MREŽ min 40 cm

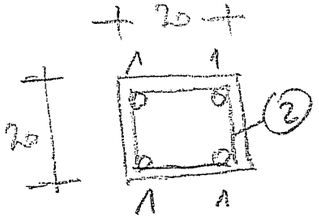
TLORIS PRITLIČJA

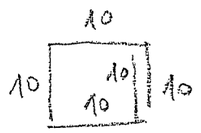
ARMATURNI NAČRTI M 1:100

P–0

AB HORIZONTALNE VEZI V NIVOJU PLOŠČE (01)

A - SREDINJI ZIDOVI d = 30cm L = 80m

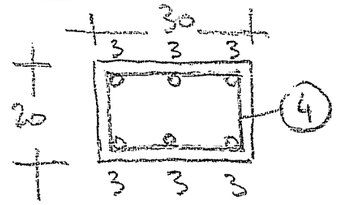


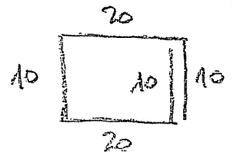


RA ② ϕ8/20cm; ℓ = 0·50m;
Σ 80m = 400

RA ① ± 2ϕ14; ℓ = 6·0m; Σ 60m = 4×15 = 60

B - FASADNI ZIDOVI d = 30cm L = 55m



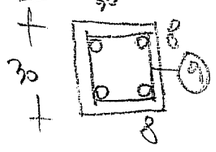


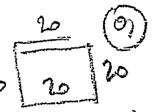
RA ④ ϕ8/20cm; ℓ = 0·70m
Σ 80m = 425

RA ③ ± 3ϕ14; ℓ = 6·00m; Σ 80m = 6×16 = 96

VERTIKALNE VEZI

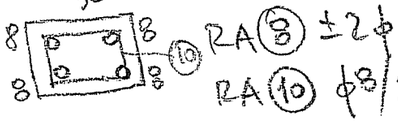
30×30 h ≅ 8,5m kos = 4

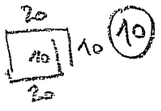




RA ⑧ ± 2ϕ14; ℓ = 5·0m; Σ 80m = 4×2×4 = 32+96+120 = 248
RA ⑨ ϕ8/20cm; ℓ = 1·0m; Σ 80m = 160

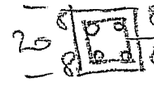
20×30 h = 8,5m; Σ os = 12

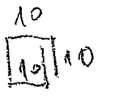




RA ⑧ ± 2ϕ14; ℓ = 5·0m;
RA ⑩ ϕ8/20cm; ℓ = 0·70m; Σ 80m = 500

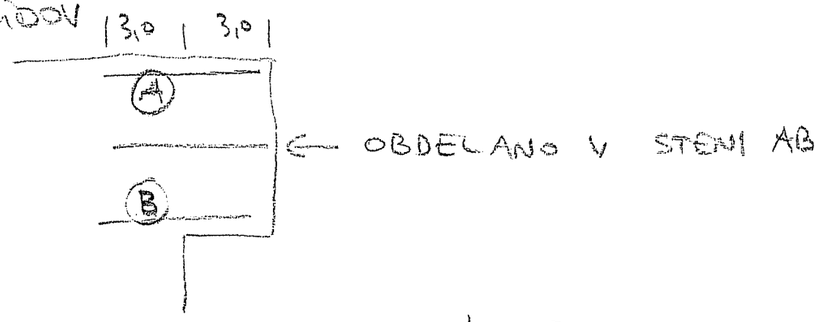
20×20 h = 8.7m; Σ os = 15



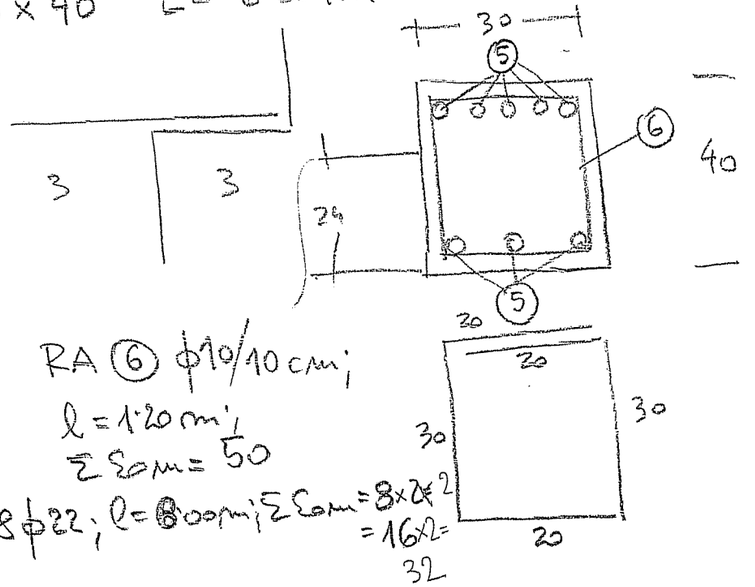


RA ⑧ ± 2ϕ14; ℓ = 5·0m;
RA ⑪ ϕ8/20cm; ℓ = 0·50m; Σ 80m = 500

AB OJAČITEV V PLOŠČI POD KONTROLNIMI DELI ZIDOV



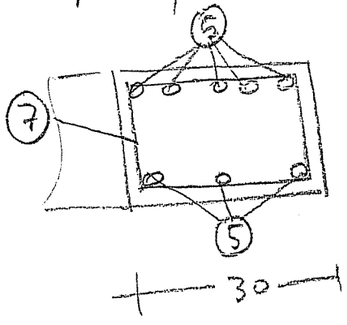
Ⓐ DIM 30×40 L = 6·00 m L_K = 3·00 m

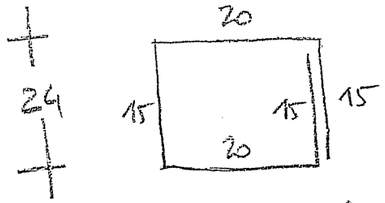


RA ⑥ ϕ10/10 cm;
ℓ = 1·20 m;
Σ 80m = 50

RA ⑤ 8ϕ22; ℓ = 8·00m; Σ 80m = 8×2×2 = 16×2 = 32

Ⓑ DIM 30×24; ℓ = 6·00 m

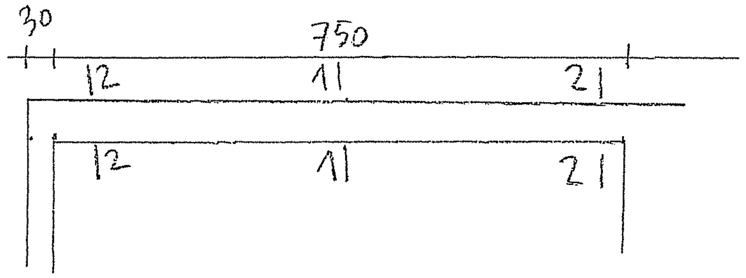




RA ⑦ ϕ 10/15 cm; ℓ = 0·85m
Σ 80m = 40

POZ (N5) AB NOSILEC PLOŠČE NAD PRITLIČJEM

DIM 20/55 C 25/30 S500



ZG. ARM.

RA ① 3 φ22; l = 9.30 m; ΣSom = 3

30 | 900

RA ② 2 φ22; l = 2.10 m; ΣSom = 2×2 = 4

10 | 200 | 200 | 10

KONSTR. ARM.

RA ③ 2 φ16; l = 8.00 m; ΣSom = 2

800

SP. ARM.

RA ④ 3 φ22; l = 8.60 m; ΣSom = 3

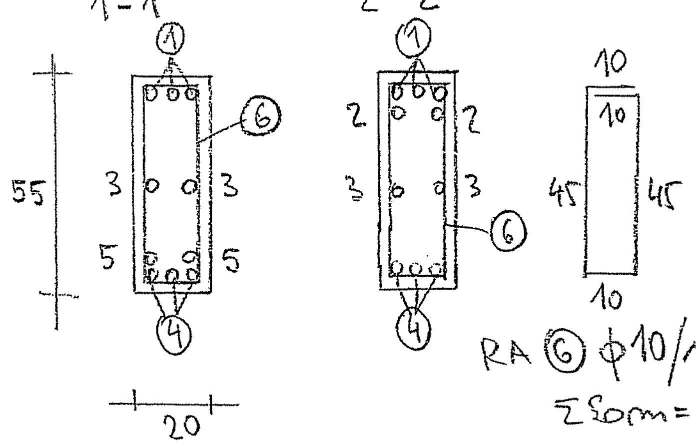
860

RA ⑤ 2 φ22; l = 3.00 m; ΣSom = 2

300

PREREZI

1 - 1 2 - 2



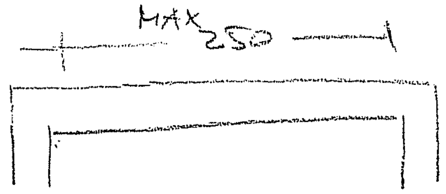
RA ⑥ φ10/15 cm; l = 1.20 m;

ΣSom = 50 + 36 = 86

↑ (N7)

POZ (N6) AB NOSILEC - PREKLADA PLOŠČE NAD PRITLIČJEM

DIM 20/55 C 25/30 S500 KOS = 8



ZG. ARM.

RA ① 3 φ16; l = 3.10 m; ΣSom = 3×8 = 24

30 | 250 | 30

RA ② 2 φ12; l = 2.00 m; ΣSom = 2×8 = 16

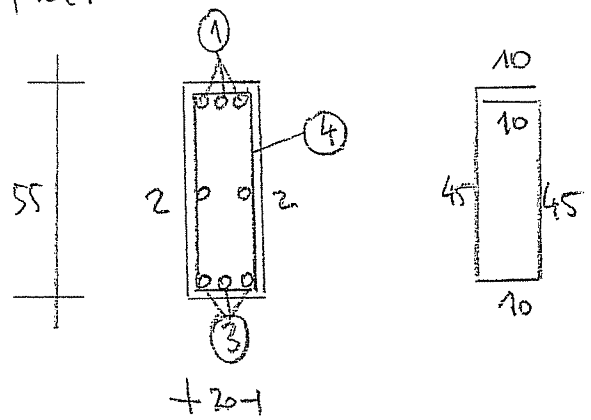
200

SP. ARM.

RA ③ 3 φ14; l = 2.50 m; ΣSom = 3×8 = 24

250

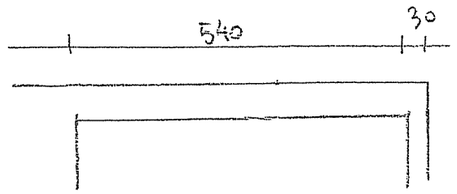
PREREZ



RA ④ φ8/15 cm; l = 1.20 m;

ΣSom = 17×8 = 136

Poz (N7) AB NOSILEC PLOŠČE NAD PRITLIČJEM
DIM 20/55 C 25/30 S500



ZG. ARM.

RA① 3ϕ22; ℓ=6.40m; Σ50m=3

30 | 580 | 30

KONSTR. A.

RA② 2ϕ16; ℓ=5.80m; Σ50m=2

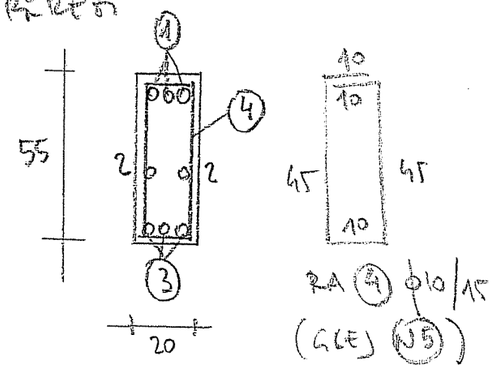
580

Sp. ARM.

RA③ 3ϕ22; ℓ=6.20m; Σ50m=3

620

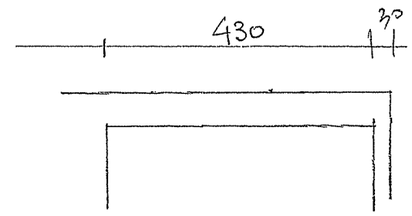
PREREZI:



RA④ ϕ10/15

(GLEJ (N5))

Poz (N8) AB NOSILEC PLOŠČE NAD PRITLIČJEM
DIM 30/24 C 25/30 S500



ZG. ARM.

RA① 5ϕ22; ℓ=5.60m; Σ50m=5

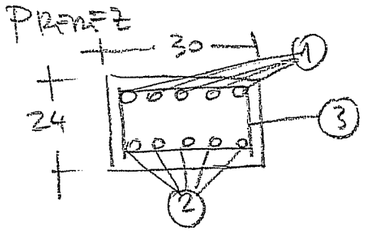
20 | 500 | 20

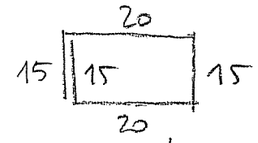
Sp. ARM.

RA② 5ϕ22; ℓ=5.50m; Σ50m=5

550

PREREZ

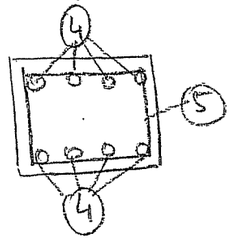


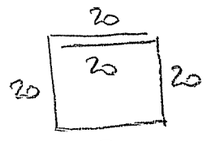


RA③ ϕ10/15cm; ℓ=0.85m;

Σ50m=30

Poz (N9) AB PREKLADE kos-3
30/30 L=3.00m





RA⑤ ϕ8/15cm; ℓ=1.00m

Σ50m=20×3=60

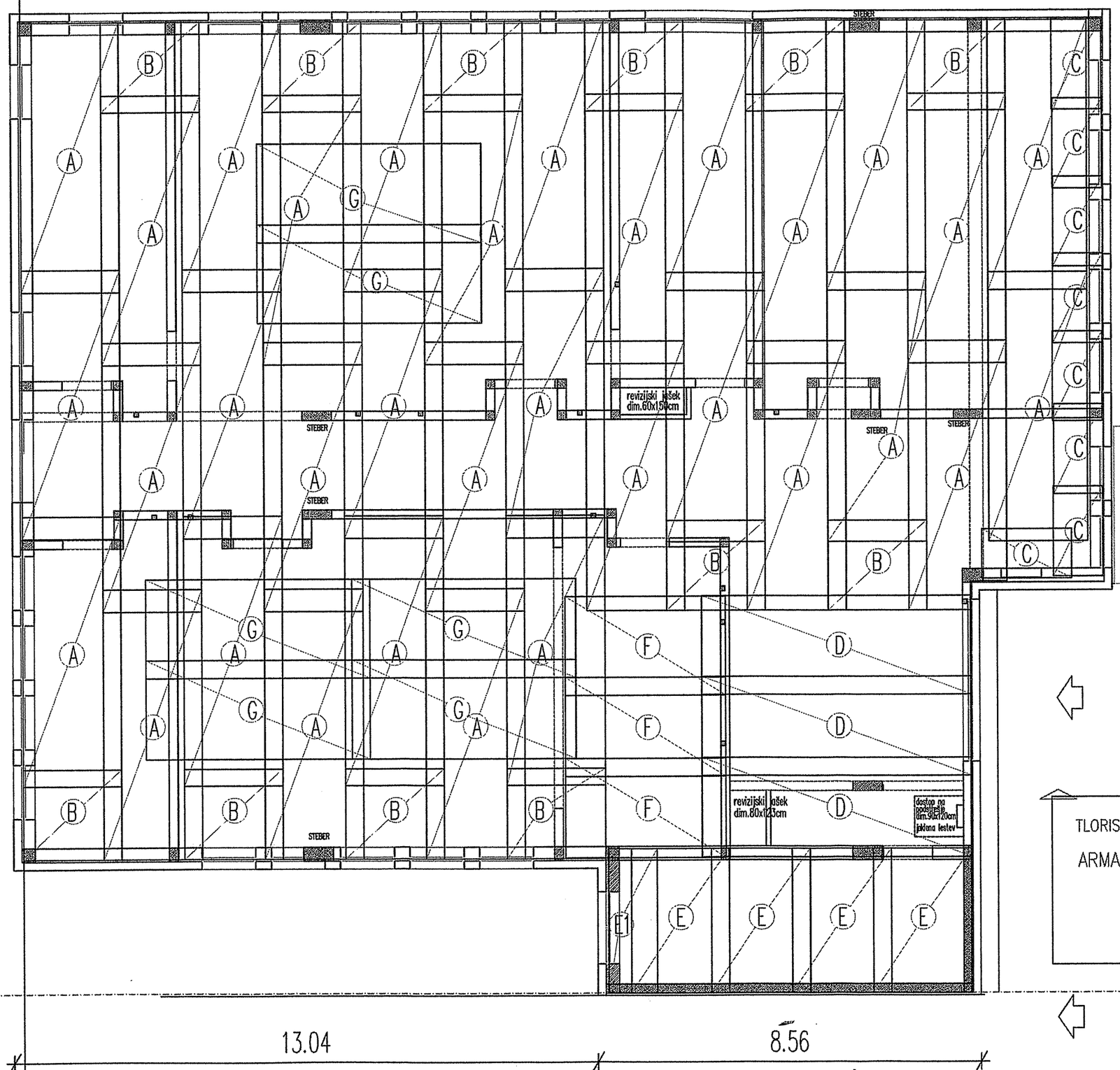
RA④ ± 4ϕ16; ℓ=3.00m; Σ50m=8×3=24

objekt: OŠ IVAN BABIČ JAGER MAREZIGE
PLOŠČA NAD NADSTROPJEM – armatura spodaj
prekrivanje mrez min 50 cm

debelina d=24cm

24.56

12.91



SEZNAM MA

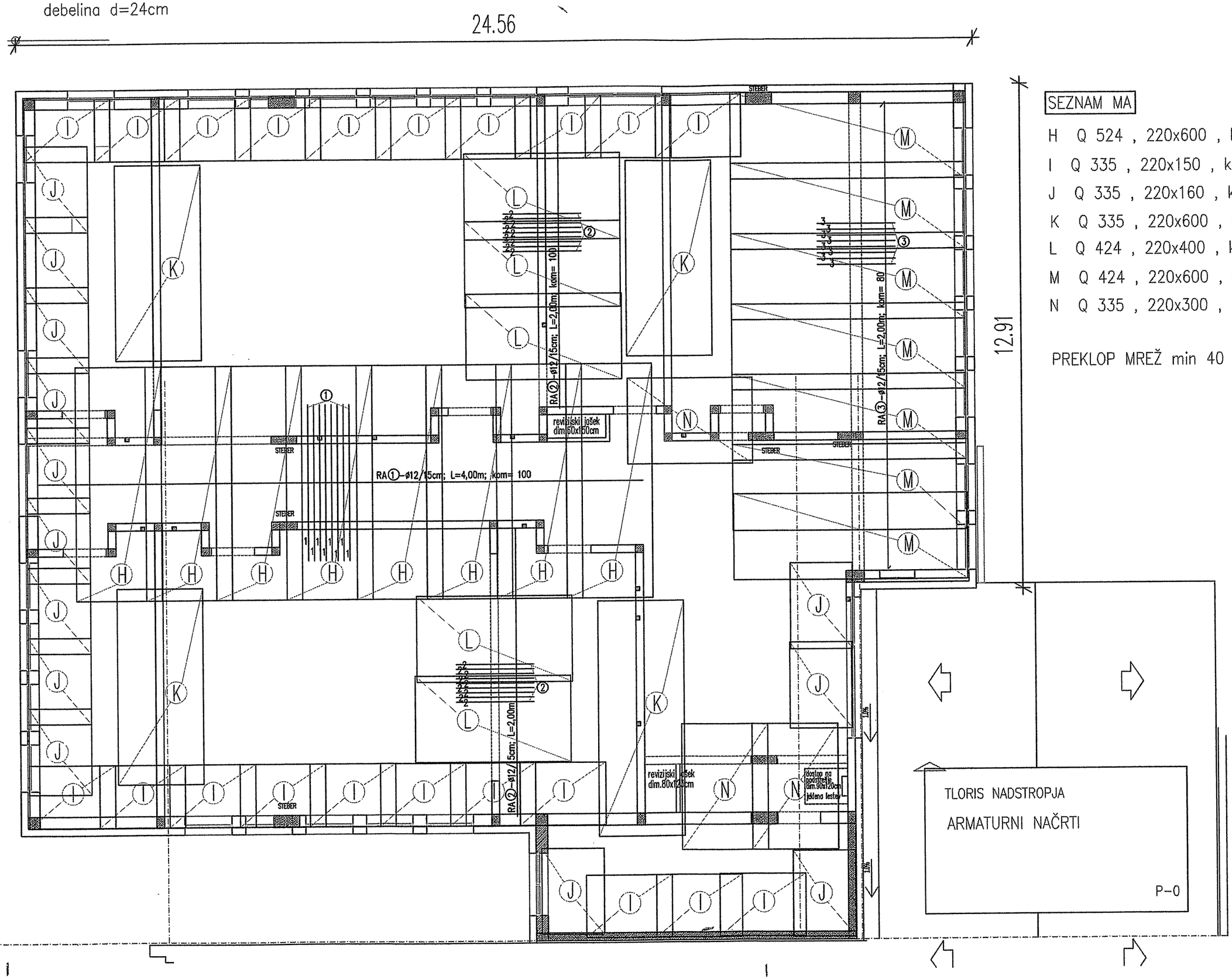
A	Q 424	220x600	kom=	33
B	Q 424	220x200	kom=	12
C	Q 424	110x200	kom=	8
D	Q 335	220x600	kom=	3
E	Q 226	220x500	kom=	6
F	Q 335	220x360	kom=	3
G	Q 335	220x600	kom=	6

PREKLOP MREŽ min 40 cm

13.04

8.56

objekt: OŠ IVAN BABIČ JAGER MAREZIGE
PLOŠČA NAD NADSTROPJEM – armatura zgoraj
debelina d=24cm



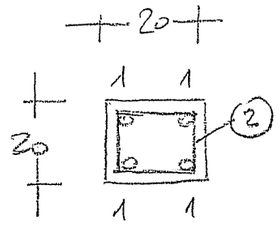
SEZNAM MA

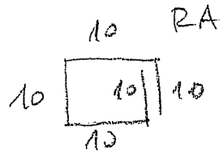
H	Q 524	220x600	kom=	8
I	Q 335	220x150	kom=	22
J	Q 335	220x160	kom=	15
K	Q 335	220x600	kom=	4
L	Q 424	220x400	kom=	5
M	Q 424	220x600	kom=	7
N	Q 335	220x300	kom=	4

PREKLOP MREŽ min 40 cm

Poz (HV) HORIZONTALNE ZIDNE VEZI v NIVOJU PLOŠČE (02)

A - SREDINSKI ZIDOVI $d = 20\,cm$ $L \cong 95\,cm$

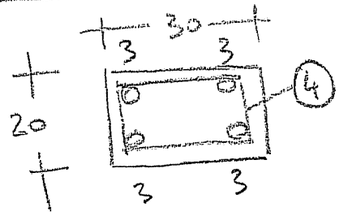


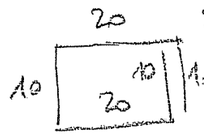


RA ② $\phi 8/20\,cm$; $\ell = 0{\cdot}50\,m$;
$\Sigma 50m = 475$

RA ① $\pm 2\phi 14$; $\ell = 6{\cdot}0\,m$; $\Sigma 50m = 4 \times 18 = 72$

B - FASADNI ZIDOVI $d = 30\,cm$; $L = 90\,m$

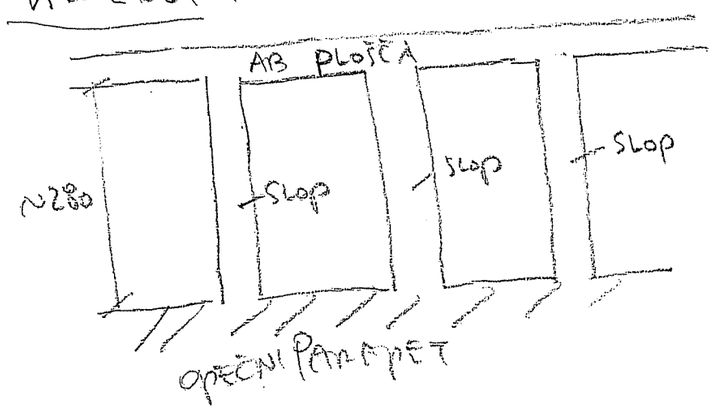


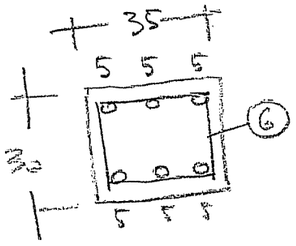


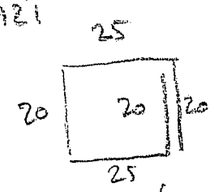
RA ④ $\phi 8/20\,cm$; $\ell = 0{\cdot}70\,m$;
$\Sigma 50m = 450$

RA ③ $\pm 2\phi 14$; $\ell = 6{\cdot}00\,m$; $\Sigma 50m = 4 \times 17 = 68$

AB SLOPI MED OKENSKIMI ODPRTINAMI $los = 16 + 16 = 32$
DIM 35/30 (OD NIVOJA PARAPETA ↑) ZA OBE ETAŽI
$h = 2{\cdot}80\,m$





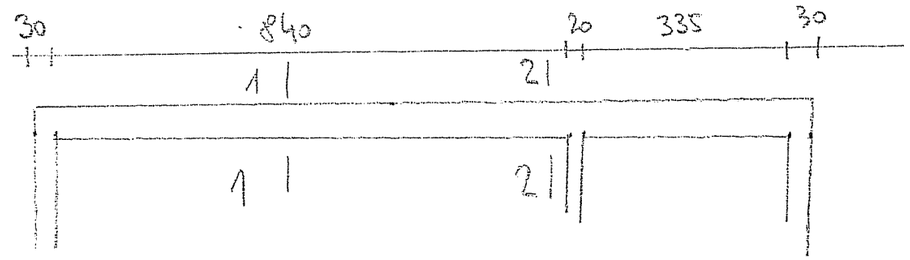


RA ⑥ $\phi 8/15\,cm$ i
$\ell = 1{\cdot}10\,m$; $\Sigma 50m = 20 \times 32 = 640$

RA ⑤ $\pm 3\phi 16$; $\ell = 2{\cdot}90\,m$;
$\Sigma 50m = 6 \times 32 = 192$

AB PREKLADE
20 x 20

Poz (N1) AB NOSILEC NA PODSTREŠJU DIM 30/60
NAVZGOR OBRNJEN



Zg. ARM.

RA ① 4ϕ25; ℓ=11'60m; ΣSom=4
60 | 1100 | RA ② 4ϕ25; ℓ=7'60m; ΣSom=4
700 | 60

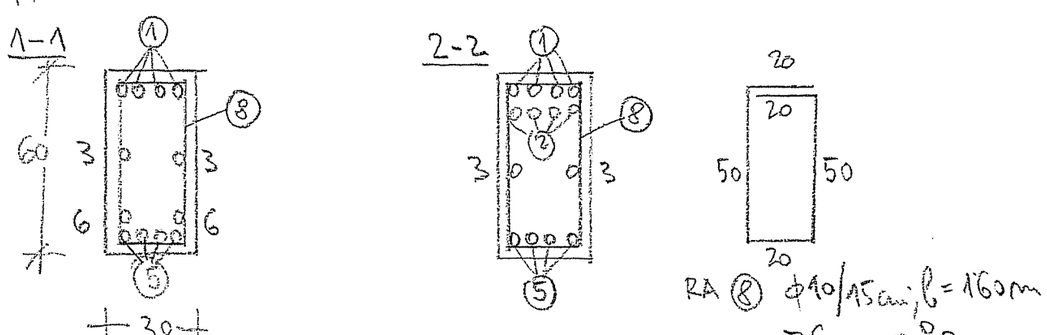
KONST. ARM.

RA ③ 2ϕ16; ℓ=9'00m; ΣSom=2
900
RA ④ 2ϕ16; ℓ=5'00m; ΣSom=2
500

Sp. ARM.

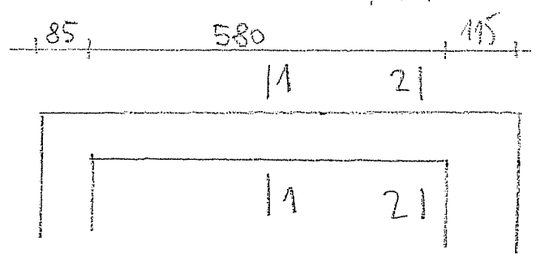
40 | RA ⑤ 4ϕ25; ℓ=10'00m; ΣSom=4
1000
RA ⑥ 2ϕ25; ℓ=4'00m; ΣSom=2
400
RA ⑦ 4ϕ25; ℓ=5'00m;
500 ΣSom=4

PREREZ



RA ⑧ ϕ10/15cm; ℓ=1'60m
ΣSom=80

Poz (N2) AB NOSILEC PODSTREŠNE PLOŠČE
DIM 20/74



Zg. ARM.

RA ① 3ϕ20; ℓ=8'70m; ΣSom=3
50 | 770 | 50

R ② 2ϕ20; ℓ=2'10m;
10 | 200 | ΣSom=4

RA ② 2ϕ20
200 | 10

KONSTR. ARM.

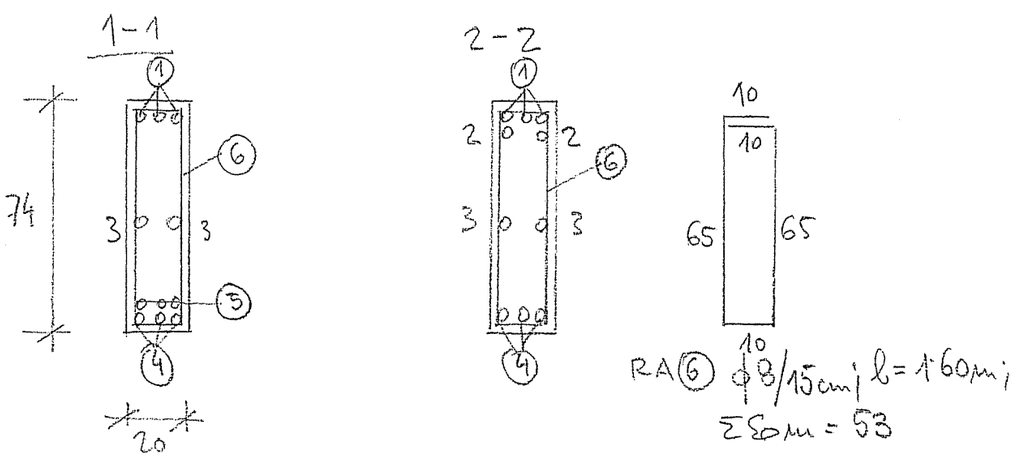
RA ③ 2ϕ14; ℓ=7'50m; ΣSom=2
750

Sp. ARM.

RA ④ 3ϕ20; ℓ=7'70m; ΣSom=3
770

RA ⑤ 3ϕ20; ℓ=3'00m; ΣSom=3
300

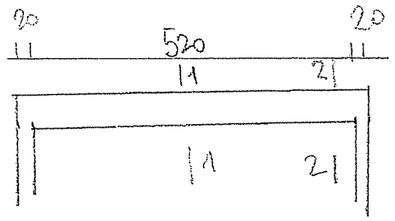
PREREZ



RA ⑥ ϕ8/15cm; ℓ=1'60m;
ΣSom=53

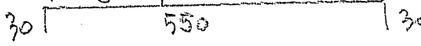
Poz (N3) AB NOSILEC PODSTREŠNE PLOŠČE DIM 20/55, C25/30, S500

PUSTITI SIDRA V STEBER



ZG. ARM.

RA ① 3ϕ20; l=6.10m; Σ8cm=3



RA ② 2ϕ20; l=1.60m; Σ8cm=2×2=4

KONST. ARM.

RA ③ 2ϕ14; l=5.50m; Σ8cm=2

550

SP. ARM

RA ④ 3ϕ22; l=5.50m; Σ8cm=3

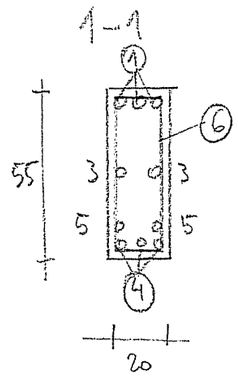
550

RA ⑤ 2ϕ20; l=2.00m; Σ8cm=2

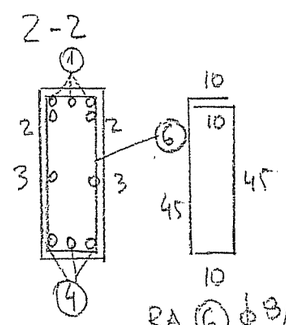
200

PREREZI

1-1



2-2



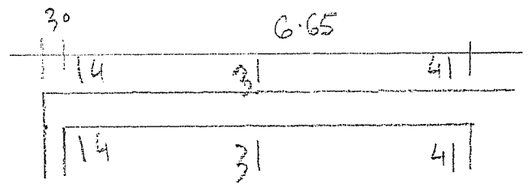
RA ⑥ ϕ8/15cm; l=1.20m;

Σ8cm=36+50=86

↑

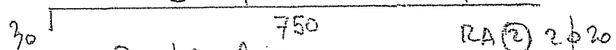
(N4)

Poz (N4) AB NOSILEC PODSTREŠNE PLOŠČE DIM 20/55, C25/30, S500



ZG. ARM

RA ① 3ϕ20; l=7.80m; Σ8cm=3



RA ② 2ϕ20; l=1.60m

Σ8cm=4

RA ② 2ϕ20

KONSTR. ARM

RA ③ 2ϕ16; l=7.00m; Σ8cm=2

700

SP. ARM:

RA ④ 3ϕ22; l=7.50m; Σ8cm=3

750

RA ⑤ 2ϕ20; l=3.00m; Σ8cm=2

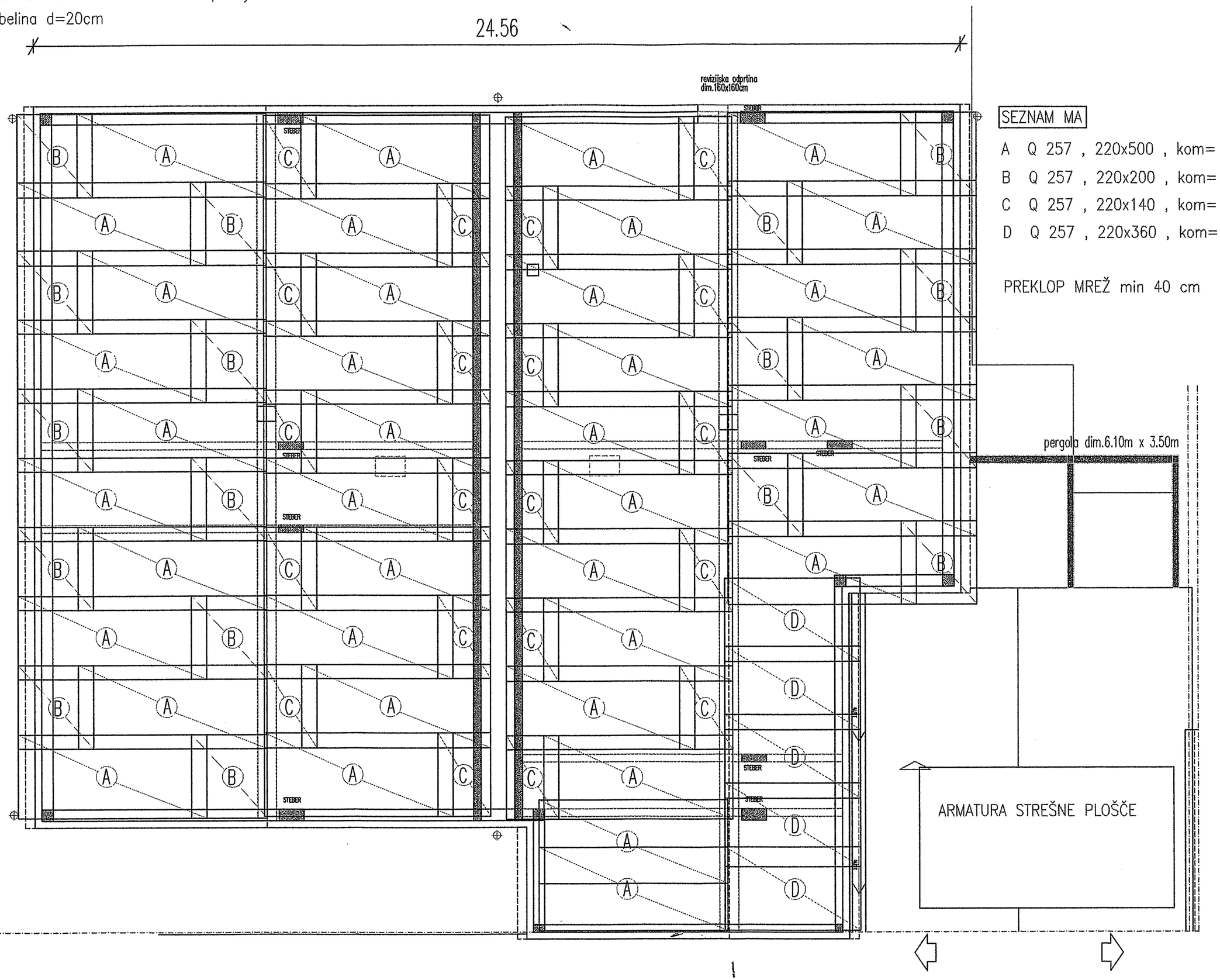
300

PREREZI

3-3 (GLE 1-1)

4-4 (GLE 2-2)

objekt: OŠ IVAN BABIČ JAGER MAREZIGE
ARMATURA STREŠNE PLOŠČE – spodaj
debelina d=20cm



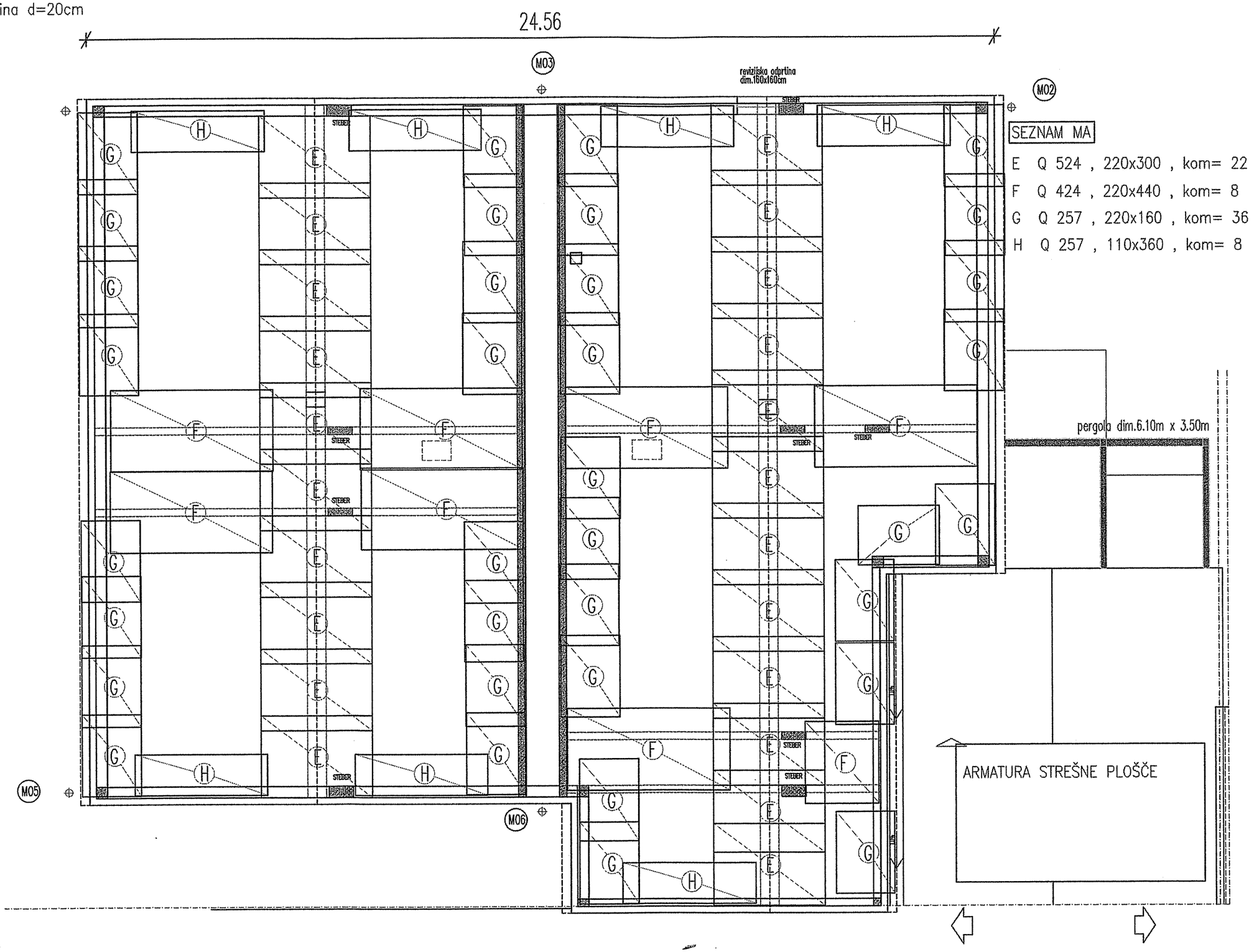
SEZNAM MA

A Q 257 , 220x500 , kom= 39
B Q 257 , 220x200 , kom= 17
C Q 257 , 220x140 , kom= 20
D Q 257 , 220x360 , kom= 5

PREKLOP MREŽ min 40 cm

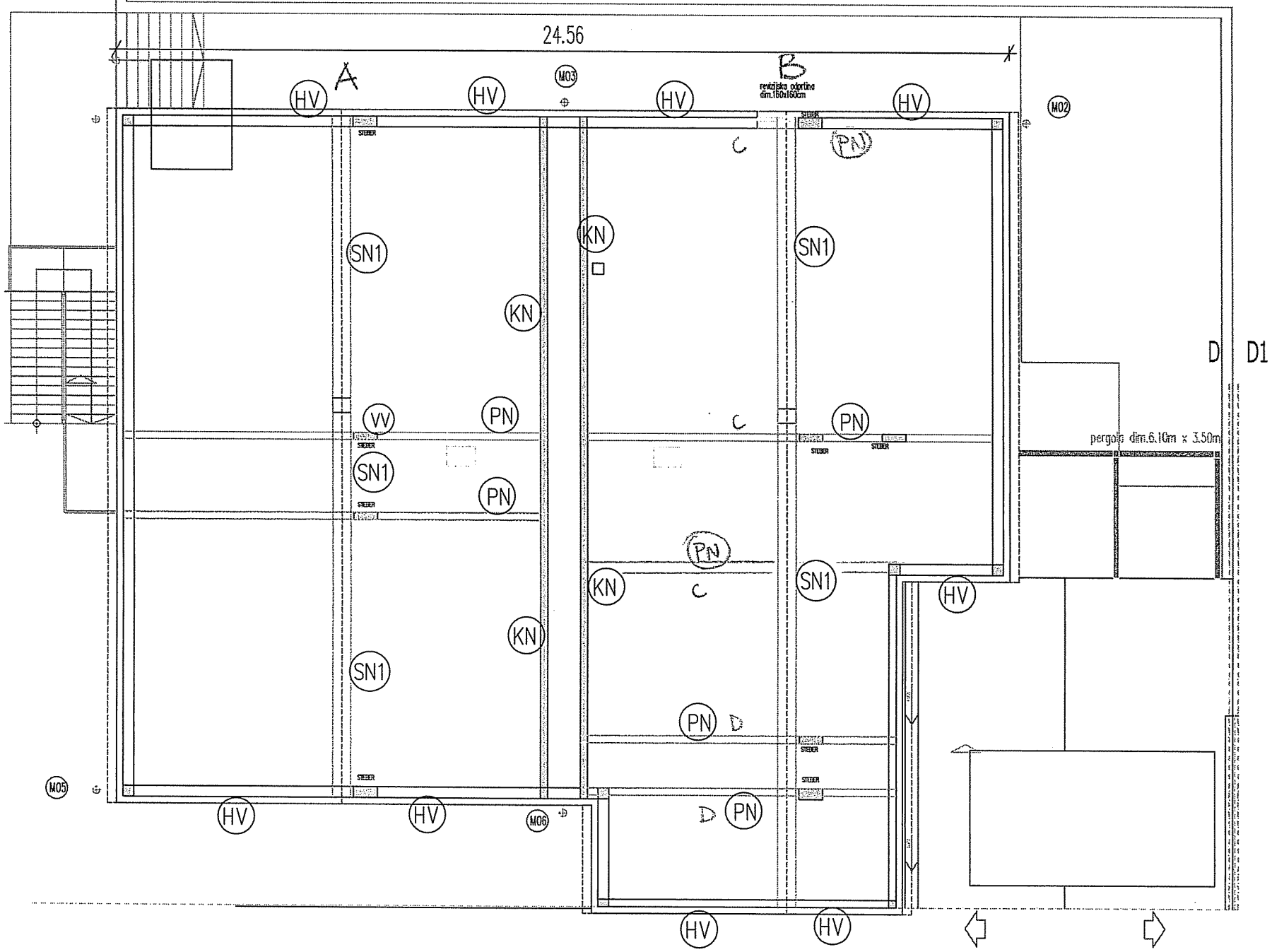
objekt: OŠ IVAN BABIČ JAGER MAREZIGE
ARMATURA STREŠNE PLOŠČE – zgoraj
debelina d=20cm

PREKLOP MREŽ min 40 cm



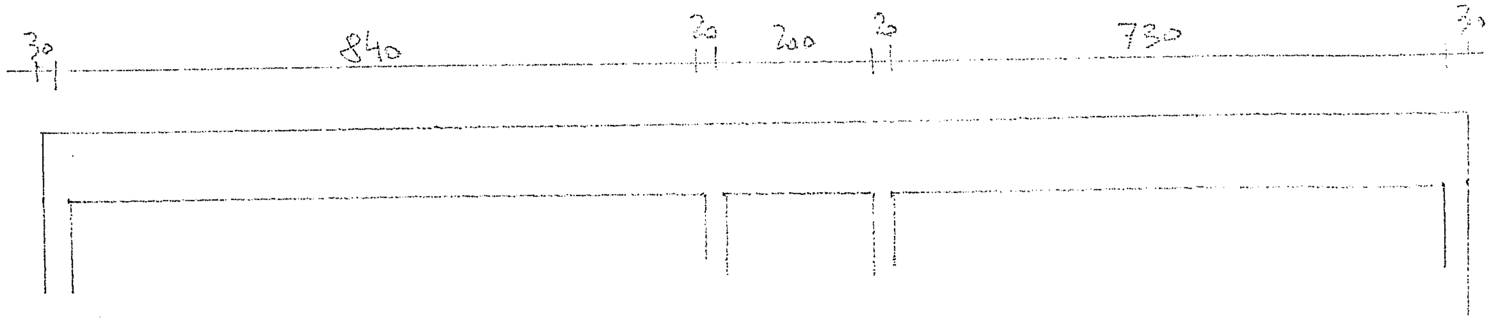
objekt: OŠ IVAN BABIČ JAGER MAREZ...
STREŠNI NOSILCI IN OJAČITVE

13A



14

Poz (ŠN) AB STREŠNI NOSILEC V ŽLOTI C25/30
DIM 20/100 2 KOSA S500



ZG. ARM.

RA ① 3φ20; l = 11'60 m; ΣSom = 3×2×2 = 12 — 60 / 1100

RA ① 3φ20 — 1100 / 60

KONSTRUKT. ARM.

RA ② 2×2φ16; l = 10'0 m; ΣSom = 2×2×2×2 = 16 — 1000

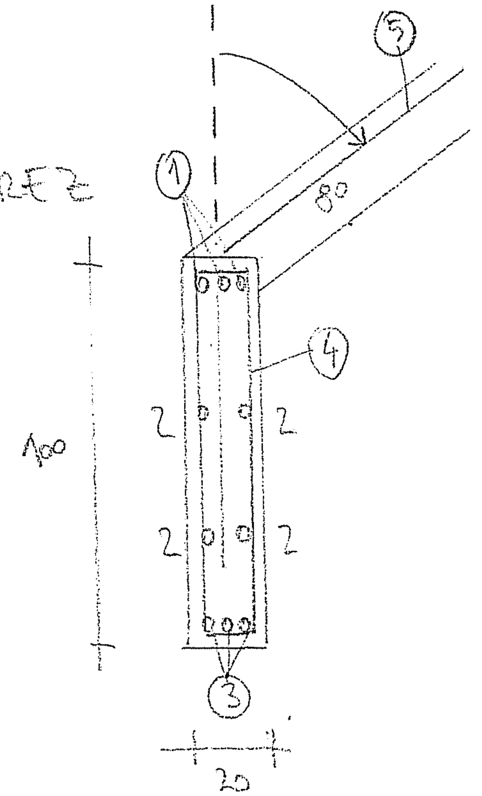
RA ② 2×2 φ16 — 1000

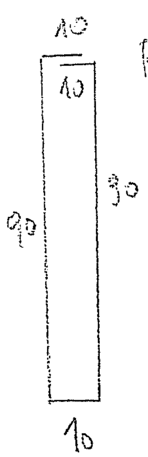
SP. ARM.

RA ③ 3φ20; l = 10'5 m; ΣSom = 3×2×2 = 12 — 1050

RA ③ 3φ20 — 1050

PREREZ



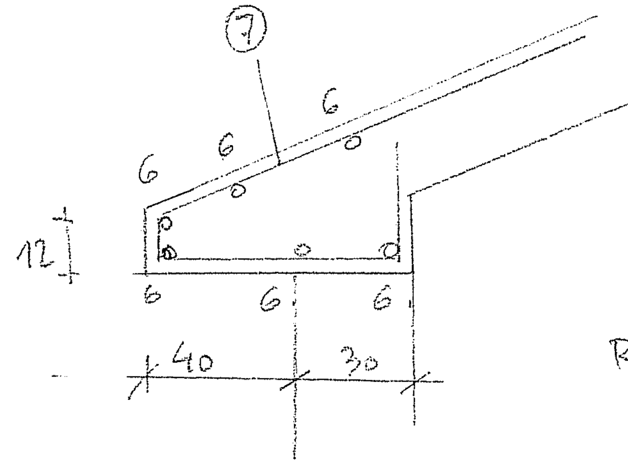


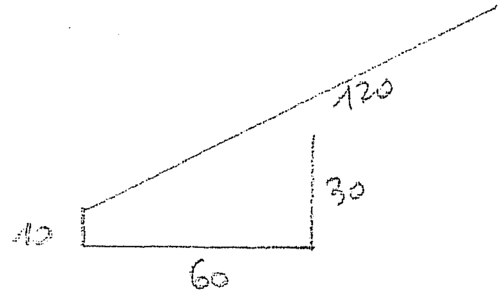
RA ④ φ8/15 cm; l = 2'10 m;
ΣSom = 120×2 = 240

RA ⑤ φ10/20 cm; l = 1'60 m; ΣSom = 90×2 = 180
80 80 160

PALICO ⑤ UKRIVIMO NA NIVO ZGORNJE CONE STREŠNE PLOŠČE.

KAPNI STREŠNI VENEC $L \cong 18'70 + 12'60 + 9'0 + 3 \cong 44$ m

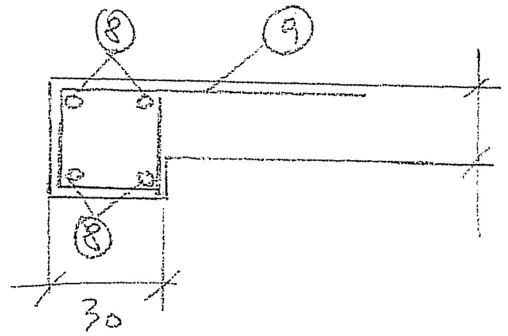


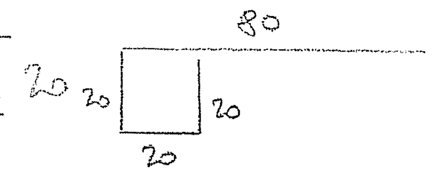


RA ⑦ φ8/20 cm; l = 2'20 m;
ΣSom = 220

RA ⑥ ± 3φ14; l = 8'0 m; ΣSom = 6×6 = 36

HORIZONTALNE ZIDNE VEZI (HV) $L \cong 24'5 \times 2 = 50$ m
(po poševnini strehe)





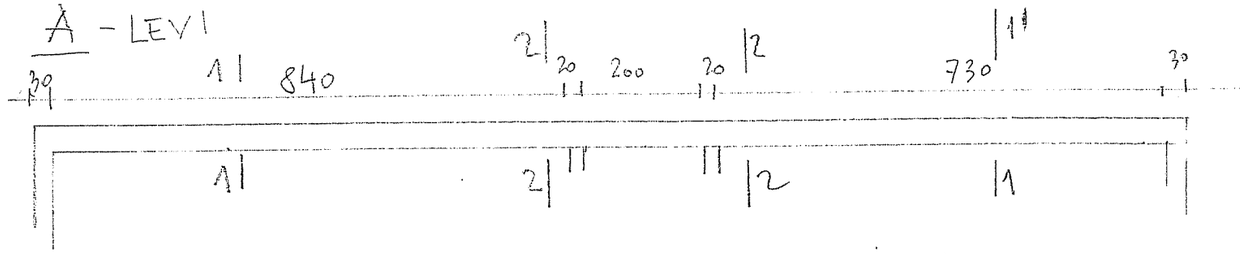
RA ⑨ φ8/20 cm; l = 1'40 m;
ΣSom = 250

RA ⑧ ± 2φ14; l = 8'0 m; ΣSom = 4×8 = 32

STEBRI POD PREČNIMI NOSILCI SO NARISANI NA LISTU S POZ (SN1) IN (PN) Šl.16

POZ (SN1) SLEMENSKI NOSILEC dim 50/40 C25/30, S500

A - LEVI



ZG. CONA

RA (1) 4 ϕ25; l = 11.6 m; Σ5cm = 4x2 = 8

1100

RA (1) 4 ϕ25

1100

60

60

RA (2) 3 ϕ25; l = 6.00 m Σ6m = 3

600

KONSTR. ARM.

RA (3) 2 ϕ16; l = 10.00 m; Σ5cm = 4

1000

RA (3) 2 ϕ16

1000

SP. CONA

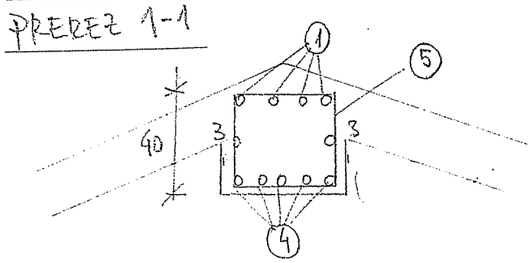
RA (4) 5 ϕ25; l = 10.00 m; Σ5cm = 5x2 = 10

1000

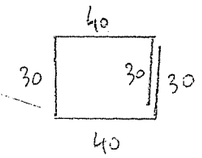
RA (4) 5 ϕ25

1000

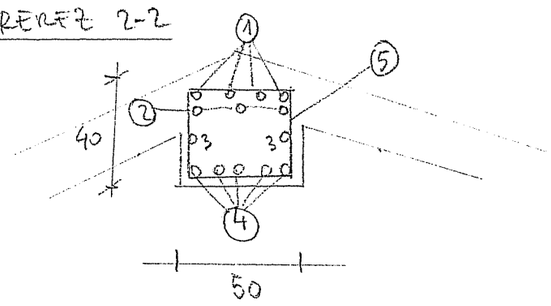
PREREZ 1-1



RA (5) ϕ10/15 cm; l = 1.70 m;
Σ5cm = 120



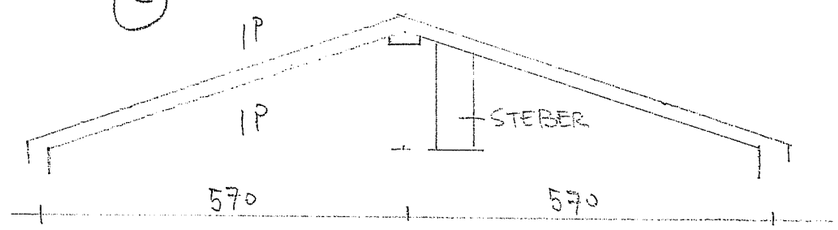
PREREZ 2-2



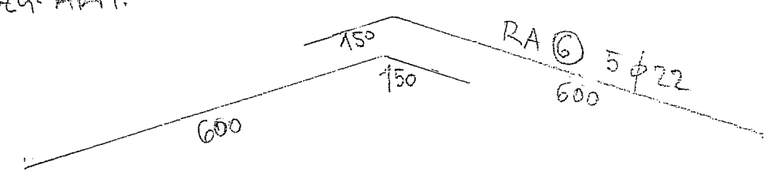
POZ (PN) PREČNI NOSILEC STISNE PLOŠČE

DIM 40/20 3 kos

(C)

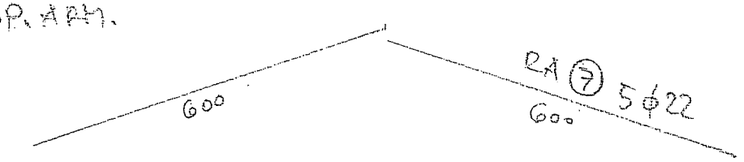


ZG. ARM.



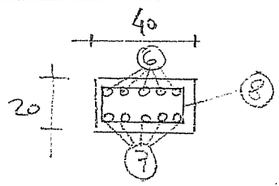
RA (6) 5 ϕ22; l = 7.50 m; Σ 5cm = 2x5 = 10x3 = 30

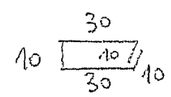
SP. ARM.



RA (7) 5 ϕ22; l = 6.00 m; Σ5cm = 10x3 = 30

PREREZ

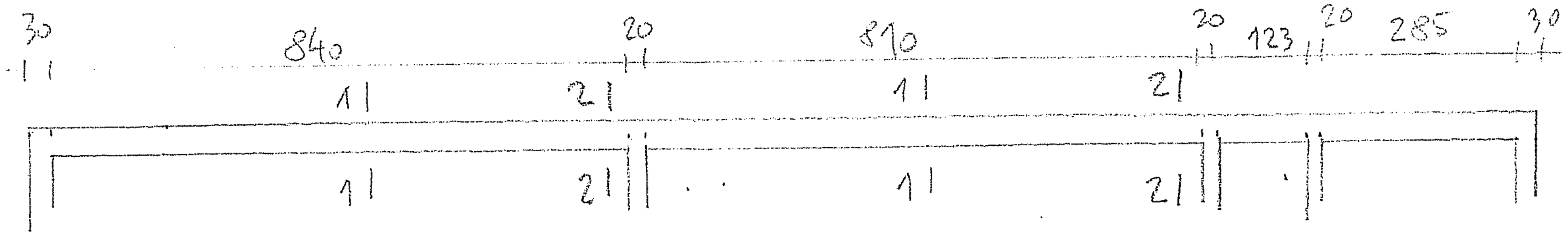




RA (8) ϕ10/15 cm; l = 0.90 m;
Σ5cm = 80x3 = 240

Poz (SN1) SLEMENSKI NOSILEC dim 50/40 C 25/30 S 500

B – DESNI – DALJŠI



ZG. CONA

RA ① 4 φ25; l = 11.60 m; ΣKom = 4 — 1100, |60

RA ② 4 φ25; l = 11.0 m; ΣKom = 4 — 1100

RA ③ 4 φ25; l = 6.60 m; ΣKom = 4 — 600, |60

KONSTR. ARM.

RA ④ 2 φ16; l = 10.0 m; ΣKom = 4 — 1000

RA ④ 2 φ16 — 1000

RA ⑤ 2 φ16; l = 5.0 m; ΣKom = 2 — 500

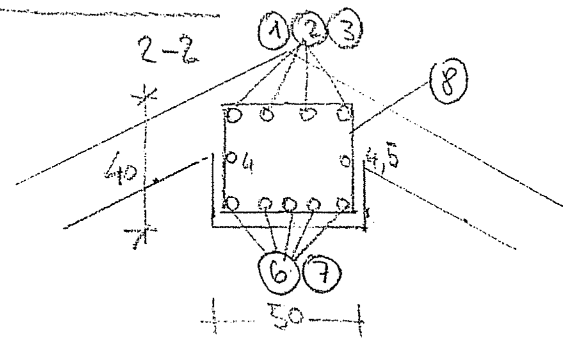
Sp. ARM.

RA ⑥ 5 φ25; l = 10.0 m; ΣKom = 10 — 1000

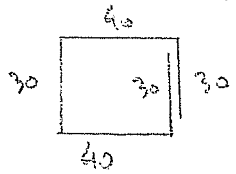
RA ⑥ 5 φ25 — 1000

RA ⑦ 4 φ25; l = 5.00 m; ΣKom = 4 — 500

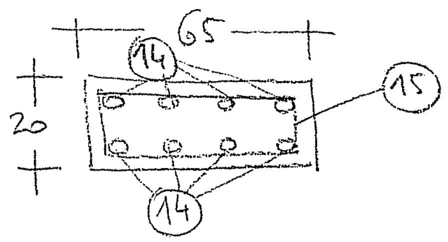
PREREZ 1-1

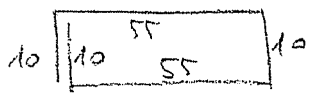


RA ⑧ φ10/15 cm; l = 1.70 m; ΣKom = 140



AB STEBRI pod (PN) DIM 20/65 RAZLIČNIH VIŠIN Kom = 6





RA ⑮ φ8/15 cm; l = 1.40 m

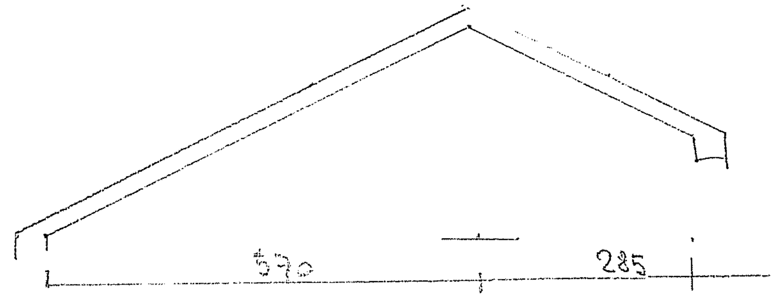
ΣKom = 10 × 6 = 60

RA ⑭ ± 4 φ16; l ≈ 2.00 m;

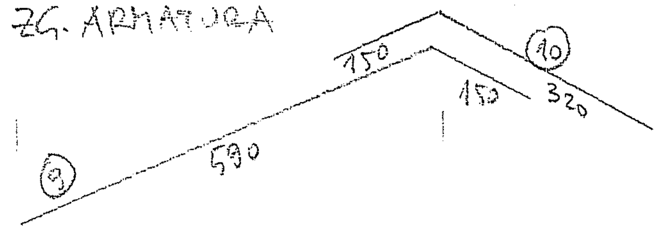
ΣKom = 8 × 6 = 48

Poz (PN) PREČNI NOSILEC STREHE KRAJŠI dim 40/20 2 kosa

(D)



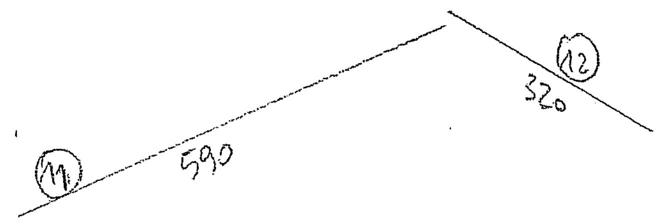
ZG. ARMATURA



RA ⑩ 4 φ22; l = 4.70 m;
ΣKom = 4 × 2 = 8

RA ⑨ 5 φ22; l = 7.40 m
ΣKom = 5 × 2 = 10

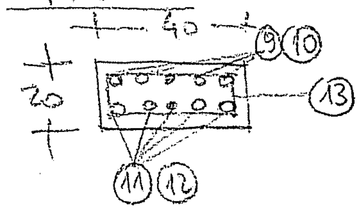
Sp. ARMATURA

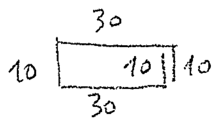


RA ⑫ 4 φ22; l = 3.20 m;
ΣKom = 4

RA ⑪ 5 φ22; l = 5.90 m;
ΣKom = 5

PREREZ



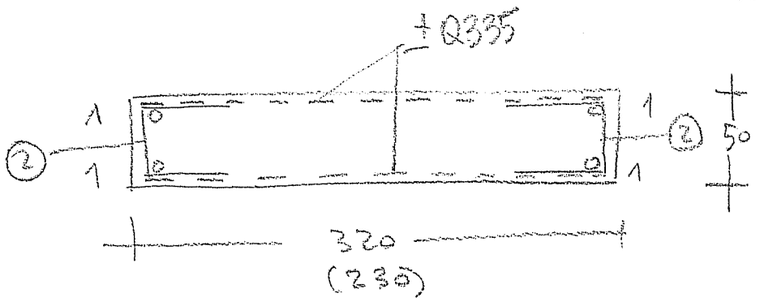


RA ⑬ φ10/15 cm; l = 0.90 m
ΣKom = 62 × 2 = 124

DVIGALNI JAŠEK

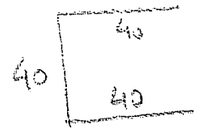
TALNA PLOŠČA d=50 cm
DIM 320 x 230

MA Q335 220x300
kom=1



RA ① 2 ϕ14; l = 3'10 m ; Σ Som = 2x2 = 4
l = 2'20 m ; Σ Som = 2x2 = 4

RA ② ϕ10/20cm; l = 1'20 m; Σ Som = 55



+ ŠIORA RA ③ ± ϕ10/20cm
l = 1'20m; Σ Som = 90

STROPNA PLOŠČA 280 x 210 d = 20cm
1 MA ± Q 257 200 x 270 Som = 2 (1)

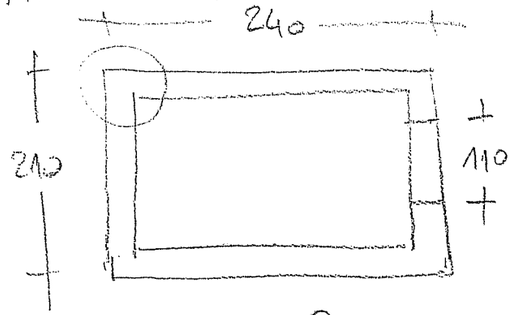
STENE MA ± Q 308 220 x 420 Som = 28
h = 3'50m, L = 25m

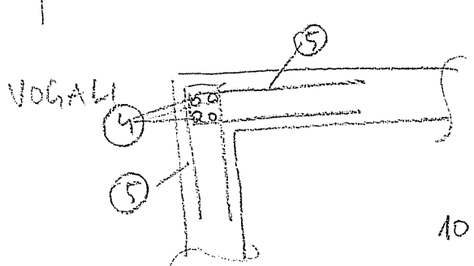
AB STENA OB STOPNIŠČU d = 20 cm
L = 6'00 m; H = 4'00 m
MA ± Q 308 220 x 400 Som = 2x2 = 4

+ STOPNICE

AB STENE deb = 20cm H ≅ 1'5 m

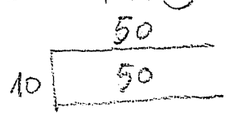
ARMATURA MA ± Q 308; 220 x 600 Som = 8x3 = 24





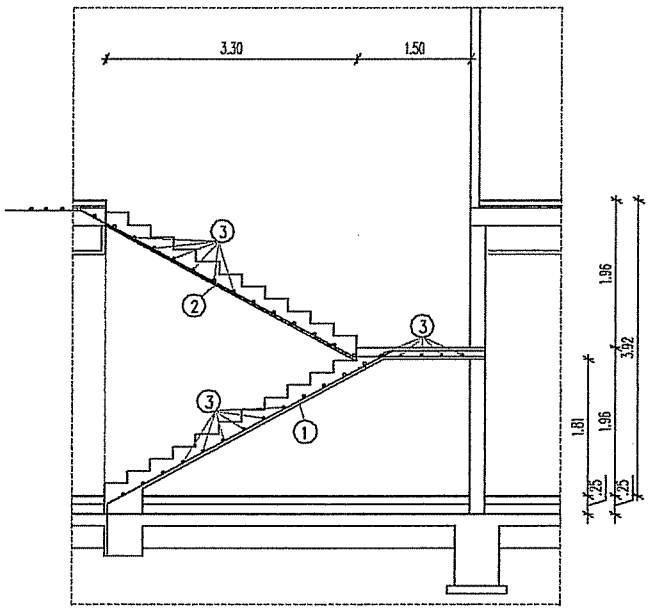
RA ④ 4 ϕ14; l = 6'00 m;
Σ Som = 4x3 = 12

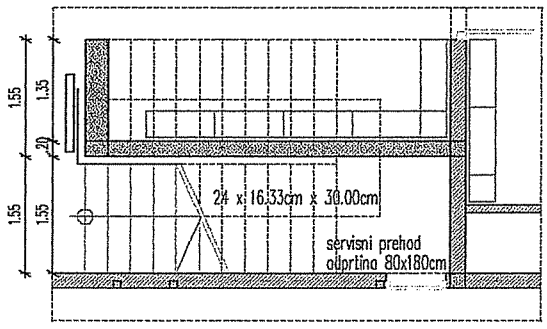
RA ⑤ ϕ8/20cm; l = 1'10 m;
Σ Som = 600



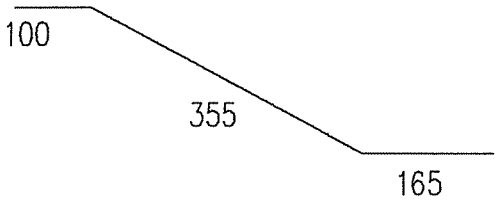
objekt: OŠ MAREZIGE

AB STOPNIŠČE

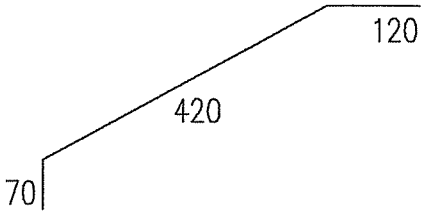




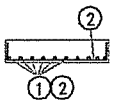
vzd.arm. RA(2) ø12/15cm; L=6,20m; kom=11



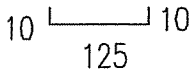
vzd.arm. RA(1) ø12/15cm; L=6,10m; kom=11



PREREZ

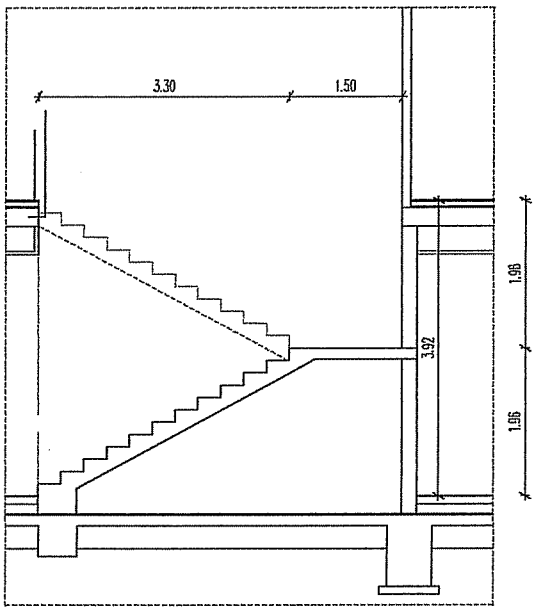


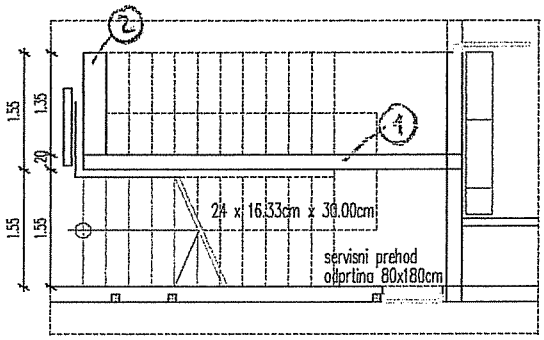
razd.arm. RA(3) ø8/30cm; L=1,45m; kom=32



objekt: OŠ MAREZIGE

AB STENA POD STOPNIŠČEM

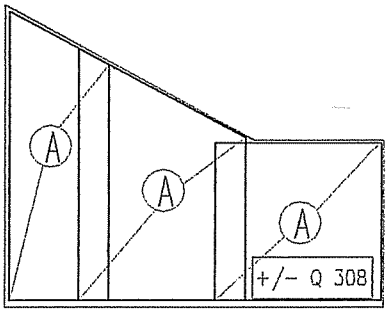




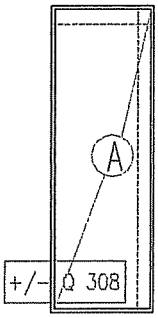
SEZNAM MREŽ

A Q 308 , 220x400 , kom= 8

(1) AB stena deb 20 cm



(2) AB stena deb 30 cm

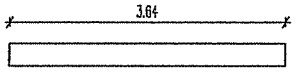


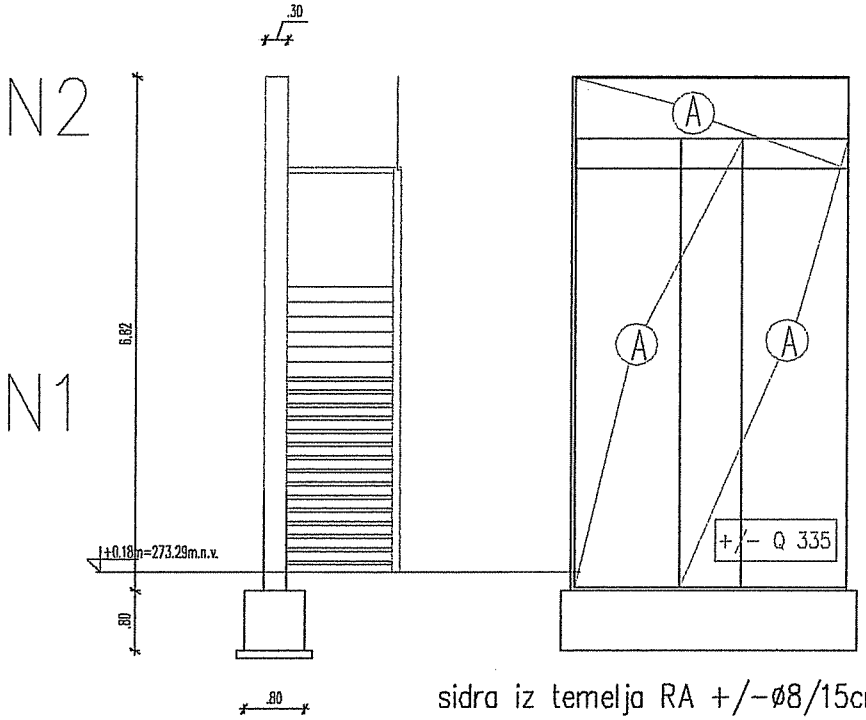
objekt: OŠ MAREZIGE

AB PLEZALNA STENA

SEZNAM MREŽ

A Q 335 , 220x600 , kom= 6

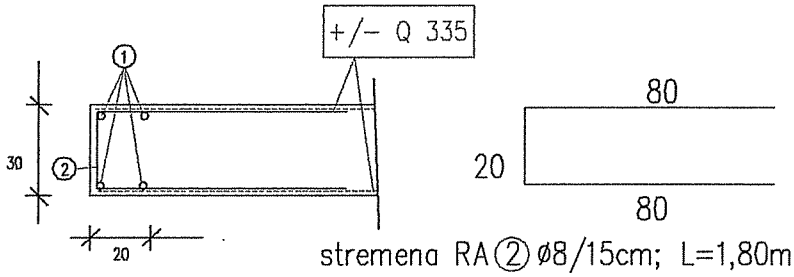




sidra iz temelja RA +/-ø8/15cm; L=1,20m; kom=48

pasovni temelj 80/80 cm

ZAKLJUČEK AB STENE, zgornji rob stene



stremena RA(2) ø8/15cm; L=1,80m; kom=110

vzd.arm. RA(1)+/-2ø16; L=6,70m; kom=4x3=12

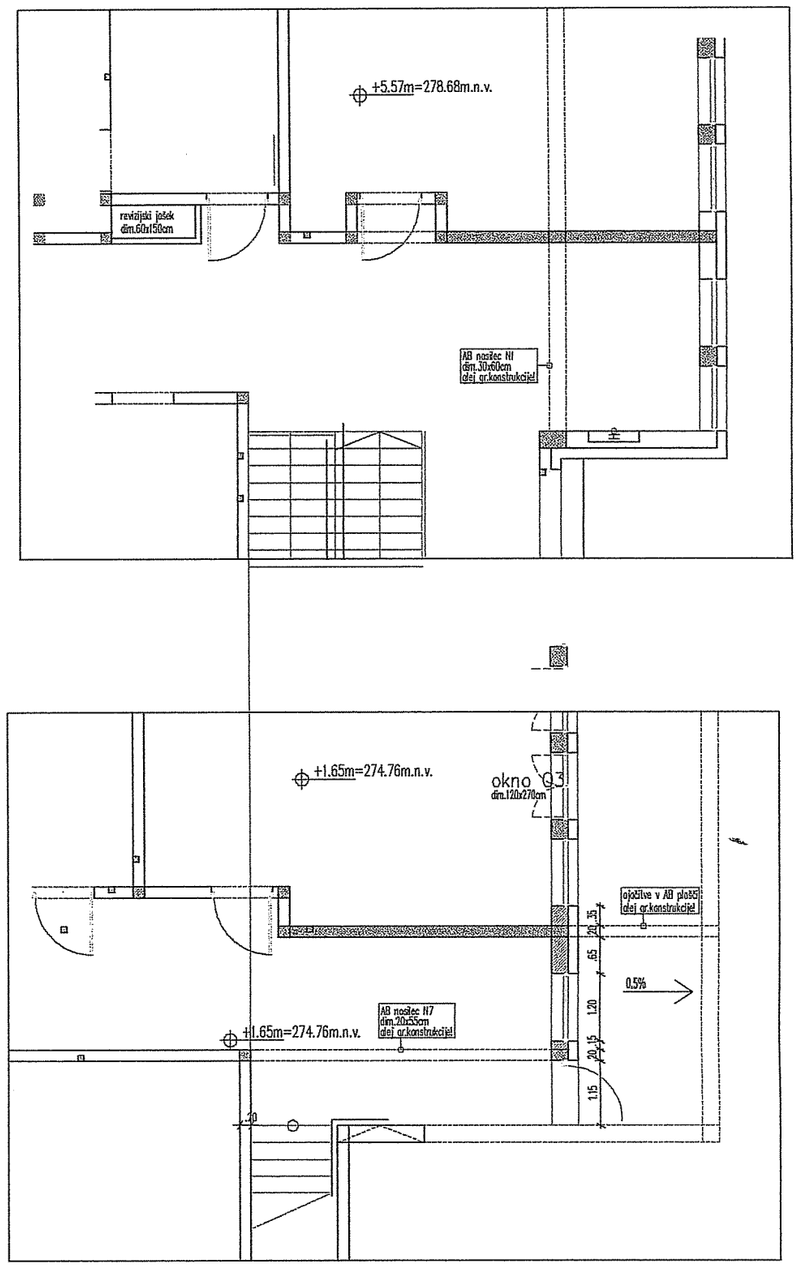
objekt: OŠ MAREZIGE

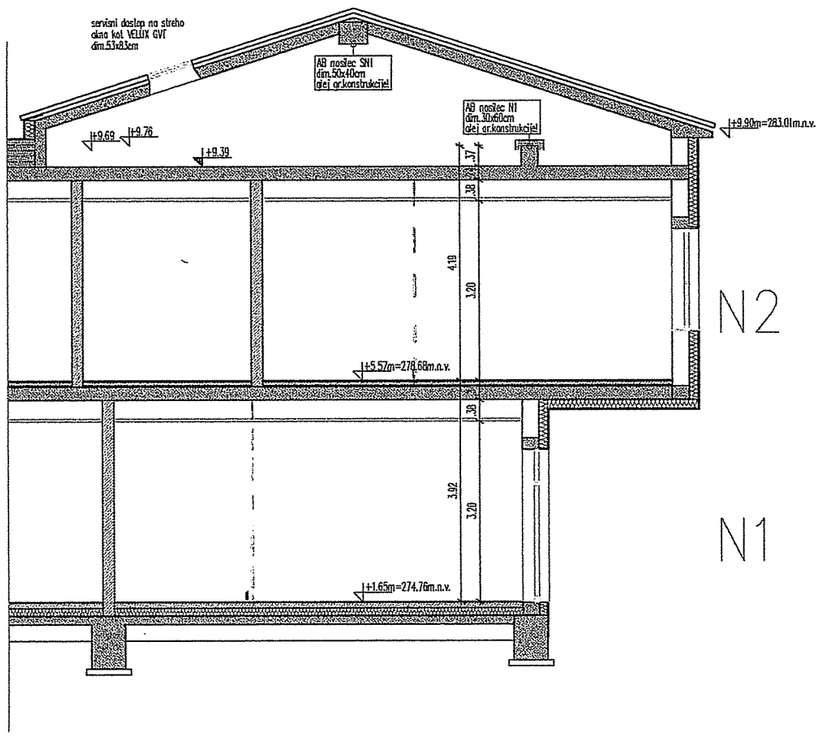
AB VZDOLŽNA notranja STENA

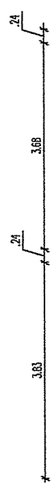
AB stena deb 20 cm
preklop mrež min 40 cm

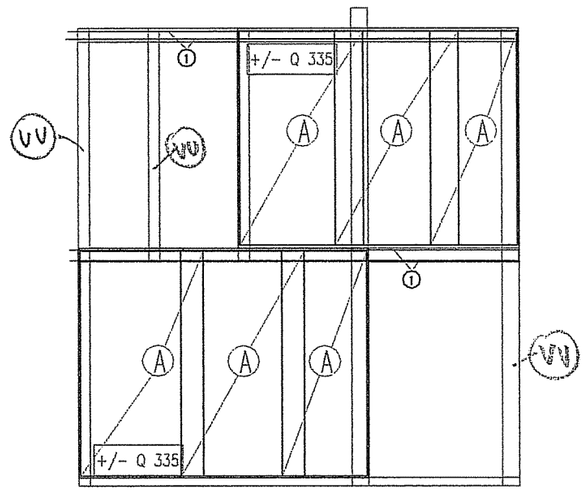
SEZNAM MREŽ

A Q 335 , 220x400 , kom= 12









ojačitev v plošči RA(1) 8ø22; L=8,00m; kom=4 x 8 =32
ojačitve so narisane na listu z HZV in VZV , list št.:

objekt: OŠ MAREZIGE

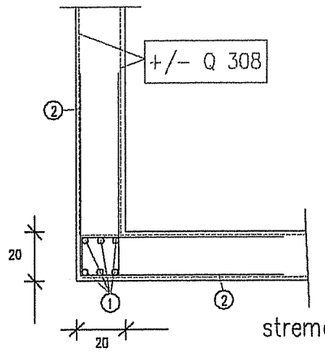
AB VZDOLŽNA STENA VETROLOVA

AB stena deb 20 cm
preklop mrež min 40 cm

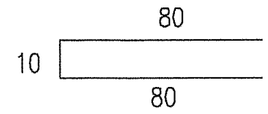
SEZNAM MREŽ

A Q 308 , 220x400 , kom= 22

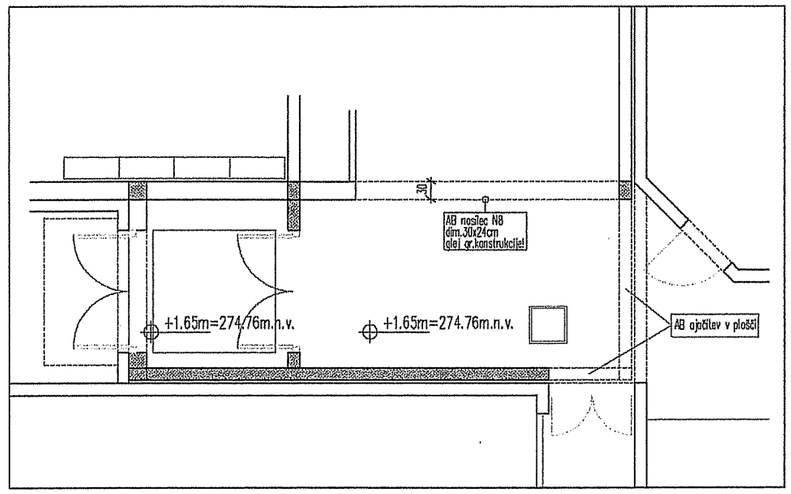
OJAČITVE AB STEN

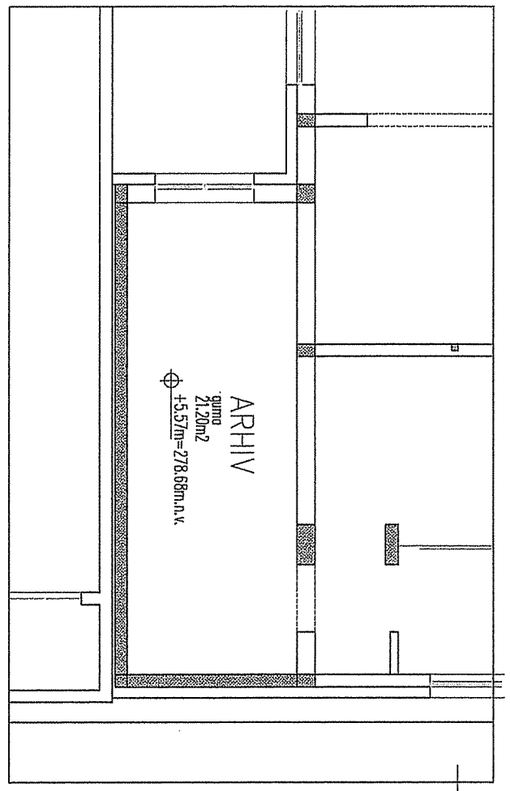


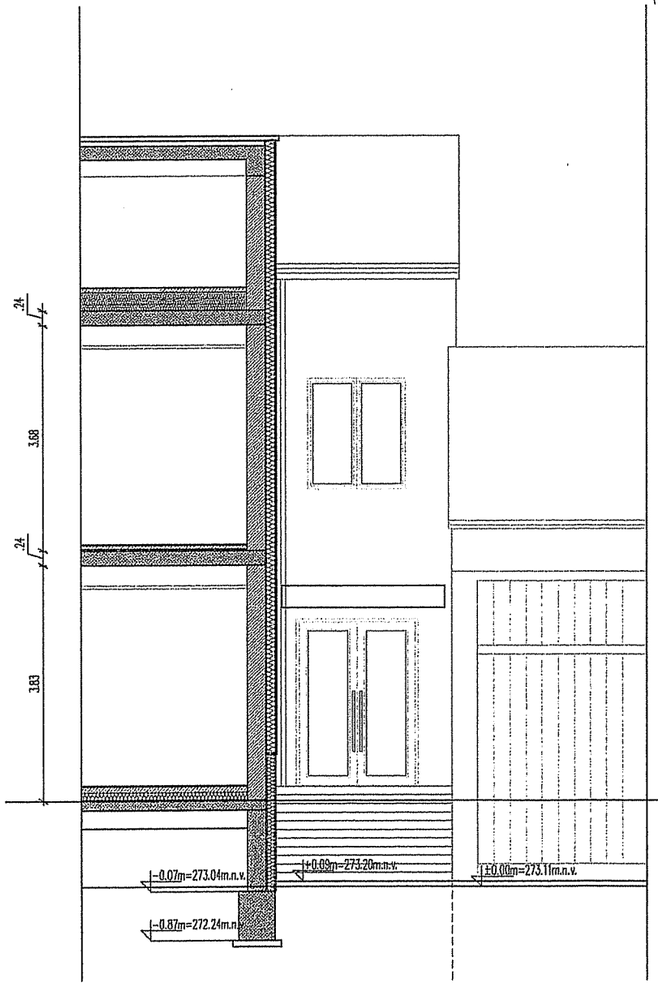
ojačitev v plošči RA(1) +/-3ø20; L=8,00m; kom=2 x 6 =12

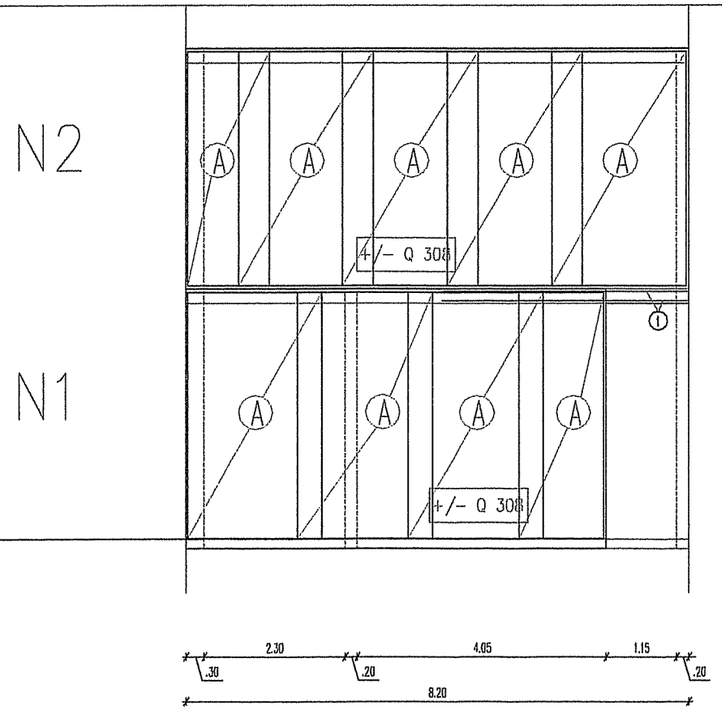


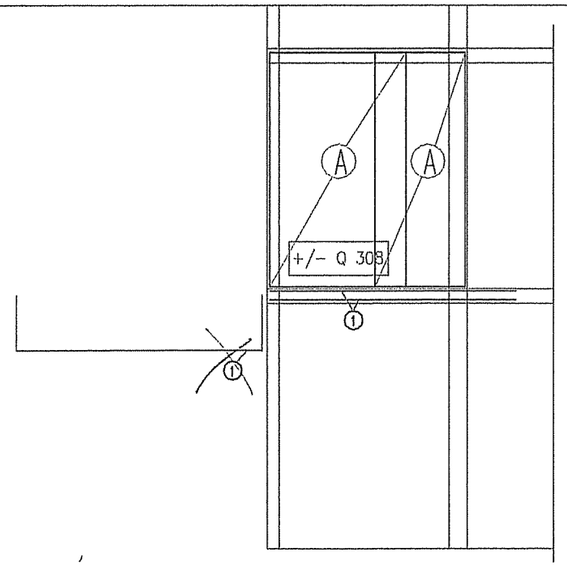
stremena RA(2) ø8/15cm; L=1,70m;
kom=104









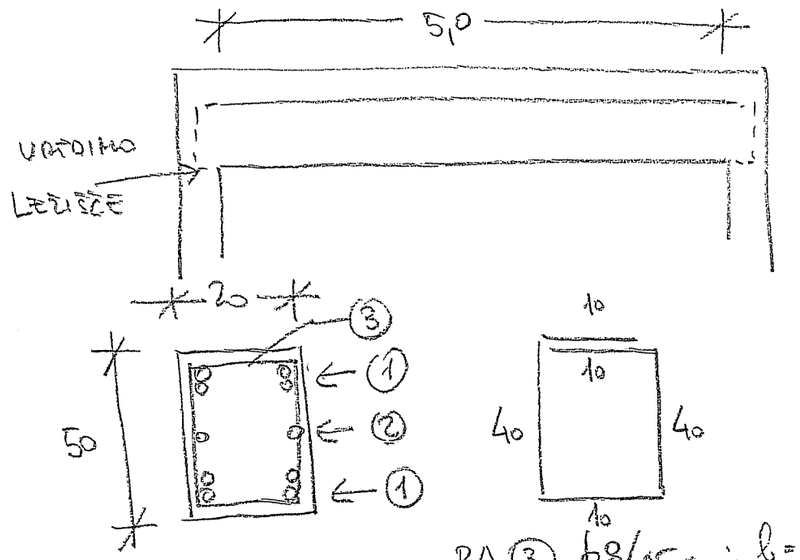


AB PREČNA STENA VETROLOVA

AB stena deb 20 cm

REKONSTRUKCIJA OBSTOJEČE ŠOLE

Poz (N1) AB PREKLADA po ODSTRANITVI NOSILNEGA ZIDU dim = 20/50 L = 5,30 m C 25/30 S 500



RA ③ ϕ8/15cm; ℓ = 1,10 m;
ΣSom = 34

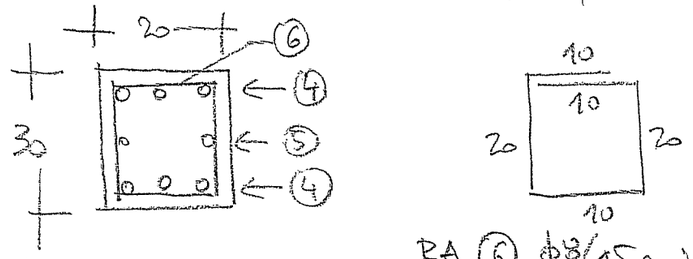
RA ① ±4 ϕ 20; ℓ = 5,30 m; ΣSom = 8

RA ② 2 ϕ 16; ℓ = 5,00 m; ΣSom = 2

POZ (SR) NOVE STOPNICE NA VHODU (VRTEC)
NOVE STOPNICE NA VHODU do
IZPOSNE NA TERENU, KI SE GA UTRDI,
NASUJE TAMPON, 5 cm podložnega BETONA
IN ARM. MREŽO Q 335 ENOJNA, TER IZDELA OPAŽ.
220 x 450 1x

(OB KLANČINI ZA INVALIDE)

Poz (N2) NOVA PREKLADA 20/30, L = 1,50 m



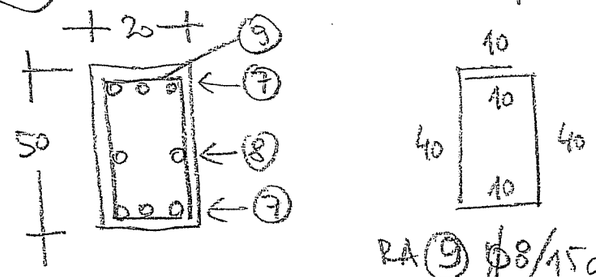
RA ⑥ ϕ8/15cm; ℓ = 0,70 m;
ΣSom = 9 x 3 = 18

RA ④ ±3 ϕ 14; ℓ = 1,50 m; ΣSom = 6

RA ⑤ 2 ϕ 10; ℓ = 1,50 m; ΣSom = 2

OB DVIGALU

Poz (N3) NOVA PREKLADA 20/50; ℓ = 2,00 m
3 kosi



RA ⑨ ϕ8/15cm; ℓ = 1,10 m;
ΣSom = 39

RA ⑦ ±3 ϕ 14; ℓ = 2,00 m; ΣSom = 18

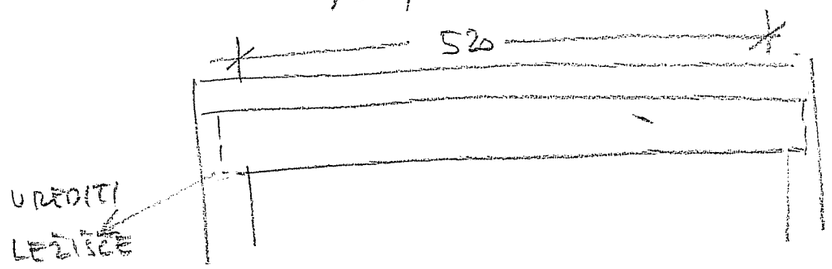
RA ⑧ 2 ϕ 10; ℓ = 2,00 m; ΣSom = 6

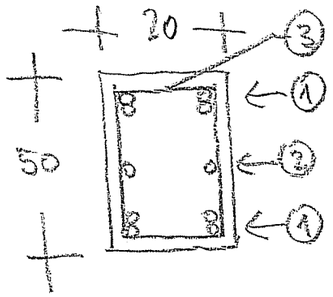
REKONSTRUKCIJA OBSTOJEČE ŠOLE

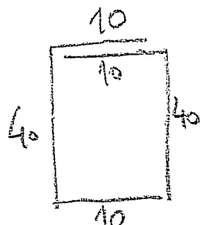
C25/30
S500

Poz (N4) NOVA PREKLADA (UČILNICA ZA TEHNIČNI POUK)

DIM 20/50, L = 5'50m







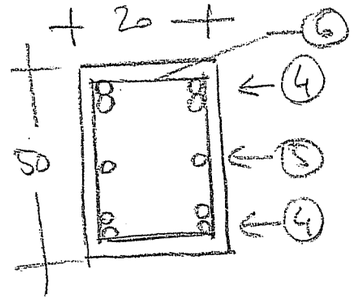
RA ③ ϕ8/15cm; ℓ = 1'10m
ΣSom = 34

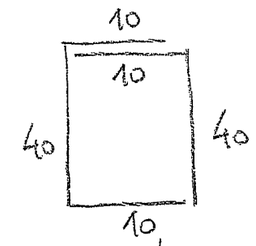
RA ① ± 4ϕ20; ℓ = 5'50m; ΣSom = 8

RA ② 2ϕ16; ℓ = 5'00m; ΣSom = 2

Poz (N5) AB PREKLADA – (VHODNA AVLA)

DIM 20/50, L = 4'00m





RA ⑥ ϕ8/15cm; ℓ = 1'10m
ΣSom = 30

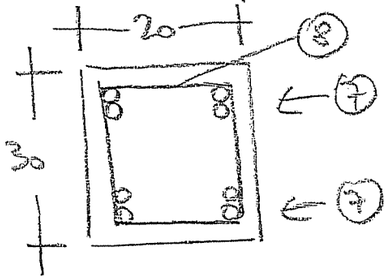
RA ④ ± 4ϕ20; ℓ = 4'00m; ΣSom = 8

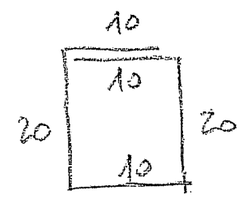
RA ⑤ 2ϕ16; ℓ = 4'00m; ΣSom = 2

NOVA AB PREKLADA – VRTEC – V PZI

Poz (N6) AB PREKLADA L = 5'00m

DIM 20/30





RA ⑧ ϕ8/15cm; ℓ = 0'70m
ΣSom = 34

RA ⑦ ± 4ϕ20; ℓ = 5'00m;
ΣSom = 8

ARMATURNI IZVLEČKI

objekt OS MAREZIGE št. proj. 20/11

SEZNAM MREŽNE ARMATURE S500

POZ

	tip **R**	kg / kos	kg / m2	skupaj kosov	skupaj teža	klasifikacija	kg
A	R 131	16,3	1,48				
	R 133	16,5	1,50			-	
	R 139	16,8	1,53				
B	R 157	18,7	1,70				
	R 166	19,1	1,74			do 3 kg/m2	
C	R 189	21,4	1,97				
	R 196	21,7	1,95				
C	R 226	24,8	2,25				
D	R 257	29,4	2,67				
	R 283	29,2	2,65				
E	R 308	40,7	3,08				
	R 335	43,7	3,31				
F	R 385	48,0	3,64				
G	R 402	50,8	3,85			3 - 5 kg/m2	
	R 424	56,6	4,29				
I	R 503	60,3	4,57				
	R 509	65,6	4,97				
I	R 524	67,3	5,10				
J	R 628	78,4	5,94			5 - 8 kg/m2	
	R 636	77,6	5,88				
K	R 785	97,4	7,38				
	tip **Q**	kg / kos	kg / m2	skupaj kosov	skupaj teža	klasifikacija	kg
L	Q 69	12,0	1,09				
M	Q 131	23,1	2,10				
	Q 133	23,1	2,10			do 3 kg/m2	
	Q 139	24,0	2,18				
N	Q 157	27,4	2,49				
	Q 166	28,6	2,60				
O	Q 189	33,3	3,03				
	Q 196	33,9	3,08	6	203,40		
P	Q 226	39,5	3,59	8	316,00	3 - 5 kg/m2	15.196,30
	Q 257	45,2	4,11	192	8.678,40		
S	Q 283	48,8	4,44				
[	Q 308	64,5	4,89	93	5.998,50		
T	Q 335	70,3	5,33	67	4.710,10		
U	Q 385	79,7	6,04				
V	Q 402	84,4	6,39			5 - 8 kg/m2	16.786,90
	Q 424	88,8	6,73	136	12.076,80		
Z	Q 503	104,3	7,90				
ž	Q 509	106,6	8,08				
	Q 524	109,8	8,32	30	3.294,00	nad 8 kg/m2	3.821,20
Y	Q 628	131,8	9,98	4	527,20		
	Q 636	131,7	9,98				

MREŽNA ARMATURA PO KLASIFIKACIJI NA M2

	do 3 kg	3 - 5 kg	5 - 8 kg	nad 8 kg	SKUPAJ kg
R					
Q		15.196,30	16.786,90	3.821,20	
SKUPAJ kg		**15.196,30**	**16.786,90**	**3.821,20**	**35.804,40**

objekt OŠ MAREZIGE š t. proj. 20/11

SKUPAJ REBRASTE ARMATURE

S 500

		TEZA PALIC PO FI ZA POSAMEZNE ARMATURNE LISTE (kg)							
	list	fi 8	fi 10	fi 12	fi 14	fi 16	fi 20	fi 22	fi 25
	1	1480,56	1316,45	439,10	7257,25	282,05		1276,41	
	2	747,02	334,22	1056,76	1323,97	970,65	331,68	119,26	572,10
	3	843,21	779,60		817,73	560,87	670,96	1709,12	1768,47
	4	294,96	66,47	205,25	55,89	175,72	643,63		
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								
	17								
	18								
	19								
	20								
TEŽA PO FI	kg	3365,75	2496,74	1701,11	9454,85	1989,29	1646,27	3104,79	2340,57
TEŽA DO IN NAD FI 12	kg	**7563,60**			**18535,8**				
TEŽA SKUPAJ	kg	**26099,4**							

objekt OŠ MAREZIGE št. proj. 20/11 1

POZ

S500

				DOLŽINE PO FI (m)							
ozn.	**fi**	**dolzina**	**kos**	**fi 8**	**fi 10**	**fi 12**	**fi 14**	**fi 16**	**fi 20**	**fi 22**	**fi 25**
PT											
1	14	8,00	216				1728,00				
2	10	8,00	50		400,00						
3	8	2,90	750	2175,00							
4	14	1,60	112				179,20				
OZ											
1	14	3,00	310				930,00				
2	14	8,00	70				560,00				
3	10	4,70	310		1457,00						
01-zg											
1	12	3,00	100			300,00					
2	12	2,00	75			150,00					
3	14	2,00	105				210,00				
01-HVV											
1	14	6,00	60				360,00				
2	8	0,50	400	200,00							
3	14	6,00	96				576,00				
4	8	0,70	425	297,50							
5	22	8,00	32							256,00	
6	10	1,20	50		60,00						
7	10	0,85	40		34,00						
8	14	5,00	248				1240,00				
9	8	1,00	160	160,00							
10	8	0,70	500	350,00							
11	8	0,50	500	250,00							
N5678											
1	22	9,30	3							27,90	
2	22	2,10	4							8,40	
3	16	8,00	2					16,00			
4	22	8,60	3							25,80	
5	22	3,00	2							6,00	
6	10	1,20	86		103,20						
1	16	3,10	24					74,40			
2	12	2,00	16			32,00					
3	14	2,50	24				60,00				
4	8	1,20	136	163,20							
1	22	6,40	3							19,20	
2	16	5,80	2					11,60			
3	22	6,20	3							18,60	
4	16	3,00	24					72,00			
5	8	1,00	60	60,00							
1	22	5,60	5							28,00	
2	22	5,50	5							27,50	
3	10	0,85	30		25,50						
DOLŽINA PO FI			m	3655,70	2079,70	482,00	5843,20	174,00	0,00	417,40	0,00
TEŽA FI / DOL. ENOTO			kg/m	0,405	0,633	0,911	1,242	1,621	2,530	3,058	3,951
TEŽA PO FI			kg	1480,56	1316,45	439,10	7257,25	282,05	0,00	#####	0,00
TEŽA DO IN NAD FI 12			kg	**3236,11**			**8815,7**				
TEŽA SKUPAJ			kg	**12051,8**							

objekt OŠ MAREZIGE št. proj. 20/11 2

POZ

S500

				DOLŽINE PO FI (m)							
ozn.	**fi**	**dolzina**	**kos**	**fi 8**	**fi 10**	**fi 12**	**fi 14**	**fi 16**	**fi 20**	**fi 22**	**fi 25**
02-zg											
1	12	4,00	100			400,00					
2	12	2,00	100			200,00					
3	12	2,00	80			160,00					
HVV											
1	14	6,00	72				432,00				
2	8	0,50	475	237,50							
3	14	6,00	68				408,00				
4	8	0,70	450	315,00							
5	16	2,90	192					556,80			
6	8	1,10	640	704,00							
N1234											
1	25	11,60	4								46,40
2	25	7,60	4								30,40
3	16	9,00	2					18,00			
4	16	5,00	2					10,00			
5	25	10,00	4								40,00
6	25	4,00	2								8,00
7	25	5,00	4								20,00
8	10	1,60	80		128,00						
1	20	8,70	3						26,10		
2	20	2,10	4						8,40		
3	14	7,50	2				15,00				
4	20	7,70	3						23,10		
5	20	3,00	3						9,00		
6	8	1,60	53	84,80							
1	20	6,10	3						18,30		
2	20	1,60	4						6,40		
3	14	5,50	2				11,00				
4	22	5,50	3							16,50	
5	20	2,00	2						4,00		
6	8	1,20	86	103,20							
1	20	7,80	3						23,40		
2	20	1,60	4						6,40		
3	16	7,00	2					14,00			
4	22	7,50	3							22,50	
5	20	3,00	2						6,00		
dodati											
	8	10,00	40	400,00							
	10	10,00	40		400,00						
	12	10,00	40			400,00					
	14	10,00	20				200,00				
DOLŽINA PO FI			m	1844,50	528,00	1160,00	1066,00	598,80	131,10	39,00	144,80
TEŽA FI / DOL. ENOTO			kg/m	0,405	0,633	0,911	1,242	1,621	2,530	3,058	3,951
TEŽA PO FI			kg	747,02	334,22	1056,76	1323,97	970,65	331,68	119,26	572,10
TEŽA DO IN NAD FI 12			kg	**2138,01**			**3317,7**				
TEŽA SKUPAJ			kg	**5455,7**							

objekt OŠ MAREZIGE št. proj. 20/11

POZ

S500

				DOLŽINE PO FI (m)							
ozn.	**fi**	**dolzina**	**kos**	**fi 8**	**fi 10**	**fi 12**	**fi 14**	**fi 16**	**fi 20**	**fi 22**	**fi 25**
KN											
1	20	11,60	12						139,20		
2	16	10,00	16					160,00			
3	20	10,50	12						126,00		
4	8	2,10	240	504,00							
5	10	1,60	180		288,00						
6	14	8,00	36				288,00				
7	8	2,20	220	484,00							
8	14	8,00	32				256,00				
9	8	1,40	250	350,00							
SNA											
1	25	11,60	8								92,80
2	25	6,00	3								18,00
3	16	10,00	4					40,00			
4	25	10,00	10								100,00
5	10	1,70	120		204,00						
6	22	7,50	30							225,00	
7	22	6,00	30							180,00	
8	10	0,90	240		216,00						
SNB											
1	25	11,60	4								46,40
2	25	11,00	4								44,00
3	25	6,60	4								26,40
4	16	10,00	4					40,00			
5	16	5,00	2					10,00			
6	25	10,00	10								100,00
7	25	5,00	4								20,00
8	10	1,70	140		238,00						
9	22	7,40	10							74,00	
10	22	4,70	8							37,60	
11	22	5,90	5							29,50	
12	22	3,20	4							12,80	
13	10	0,90	124		111,60						
14	16	2,00	48					96,00			
15	8	1,40	60	84,00							
DJ											
1	14	3,10	8				24,80				
	14	2,20	8				17,60				
2	10	1,20	55		66,00						
3	10	1,20	90		108,00						
4	14	6,00	12				72,00				
5	8	1,10	600	660,00							
DOLŽINA PO FI			m	2082,00	1231,60	0,00	658,40	346,00	265,20	558,90	447,60
TEŽA FI / DOL. ENOTO			kg/m	0,405	0,633	0,911	1,242	1,621	2,530	3,058	3,951
TEŽA PO FI			kg	843,21	779,60	0,00	817,73	560,87	670,96	1709,12	1768,47
TEŽA DO IN NAD FI 12			kg	**1622,81**			**5527,1**				
TEŽA SKUPAJ			kg	**7150,0**							

POZ

S500

				DOLŽINE PO FI (m)							
ozn.	**fi**	**dolzina**	**kos**	**fi 8**	**fi 10**	**fi 12**	**fi 14**	**fi 16**	**fi 20**	**fi 22**	**fi 25**
SR											
1	12	6,10	11			67,10					
2	12	6,20	11			68,20					
3	8	1,45	32	46,40							
PS											
1	16	6,70	12					80,40			
2	8	1,80	110	198,00							
VETR											
1	20	8,00	12						96,00		
2	8	1,70	104	176,80							
N1,2,3											
1	20	5,30	8						42,40		
2	16	5,00	2					10,00			
3	8	1,10	34	37,40							
4	14	1,50	6				9,00				
5	10	1,50	2		3,00						
6	8	0,70	18	12,60							
7	14	2,00	18				36,00				
8	10	2,00	6		12,00						
9	8	1,10	39	42,90							
N456											
1	20	5,50	8						44,00		
2	16	5,00	2					10,00			
3	8	1,10	34	37,40							
4	20	4,00	8						32,00		
5	16	4,00	2					8,00			
6	8	1,10	30	33,00							
7	20	5,00	8						40,00		
8	8	0,70	34	23,80							
	8	6,00	20	120,00							
	10	6,00	15		90,00						
	12	6,00	15			90,00					
DOLŽINA PO FI			m	728,30	105,00	225,30	45,00	108,40	254,40	0,00	0,00
TEŽA FI / DOL. ENOTO			kg/m	0,405	0,633	0,911	1,242	1,621	2,530	3,058	3,951
TEŽA PO FI			kg	294,96	66,47	205,25	55,89	175,72	643,63	0,00	0,00
TEŽA DO IN NAD FI 12			kg	**566,67**			**875,2**				
TEŽA SKUPAJ			kg	**1441,9**							