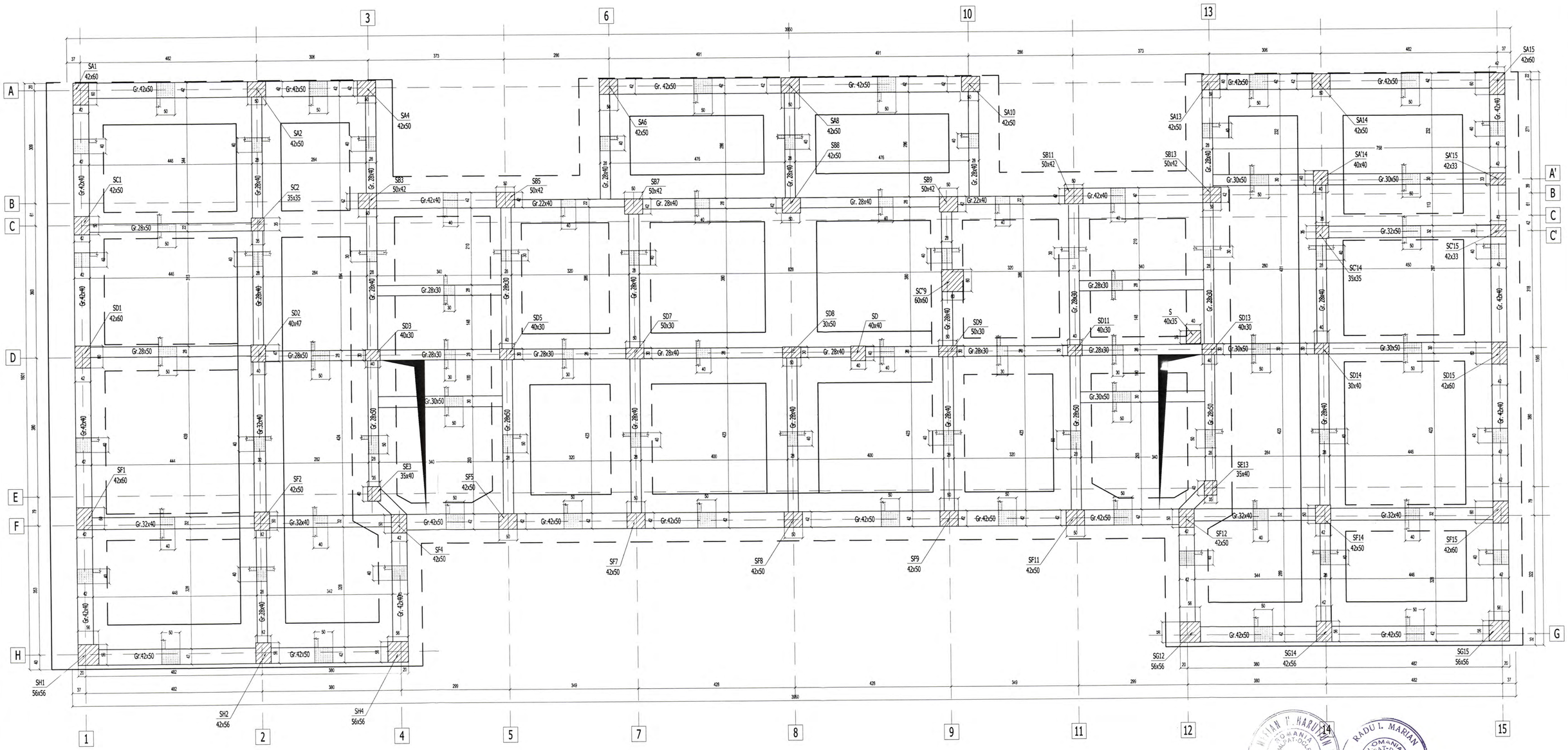
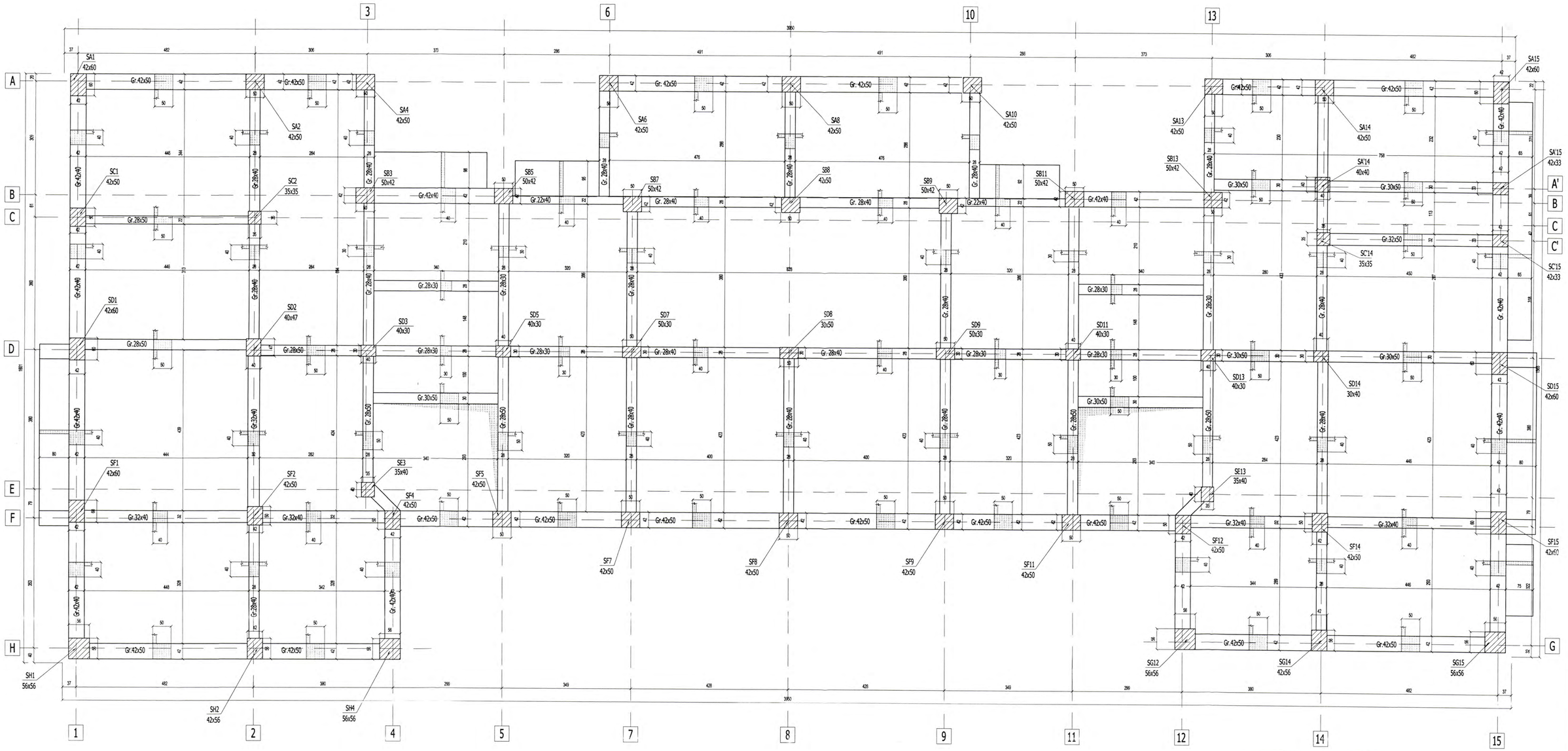



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| VERIFICARE | NUME | SEMNATURA | CERINTA | 384/ feb. 2011<br>REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | ing. N. Stanate | | | | |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Obiect: CORP A<br>PLAN COFRAJ PLANSEU PESTE SUBSOL -EXISTENT | Planse: R / 01 |
| DESENAT | tehn. E. Ivan | | | | |

S.C. PROCEMA ENGINEERING S.R.L. BUCUREST, ROMANIA

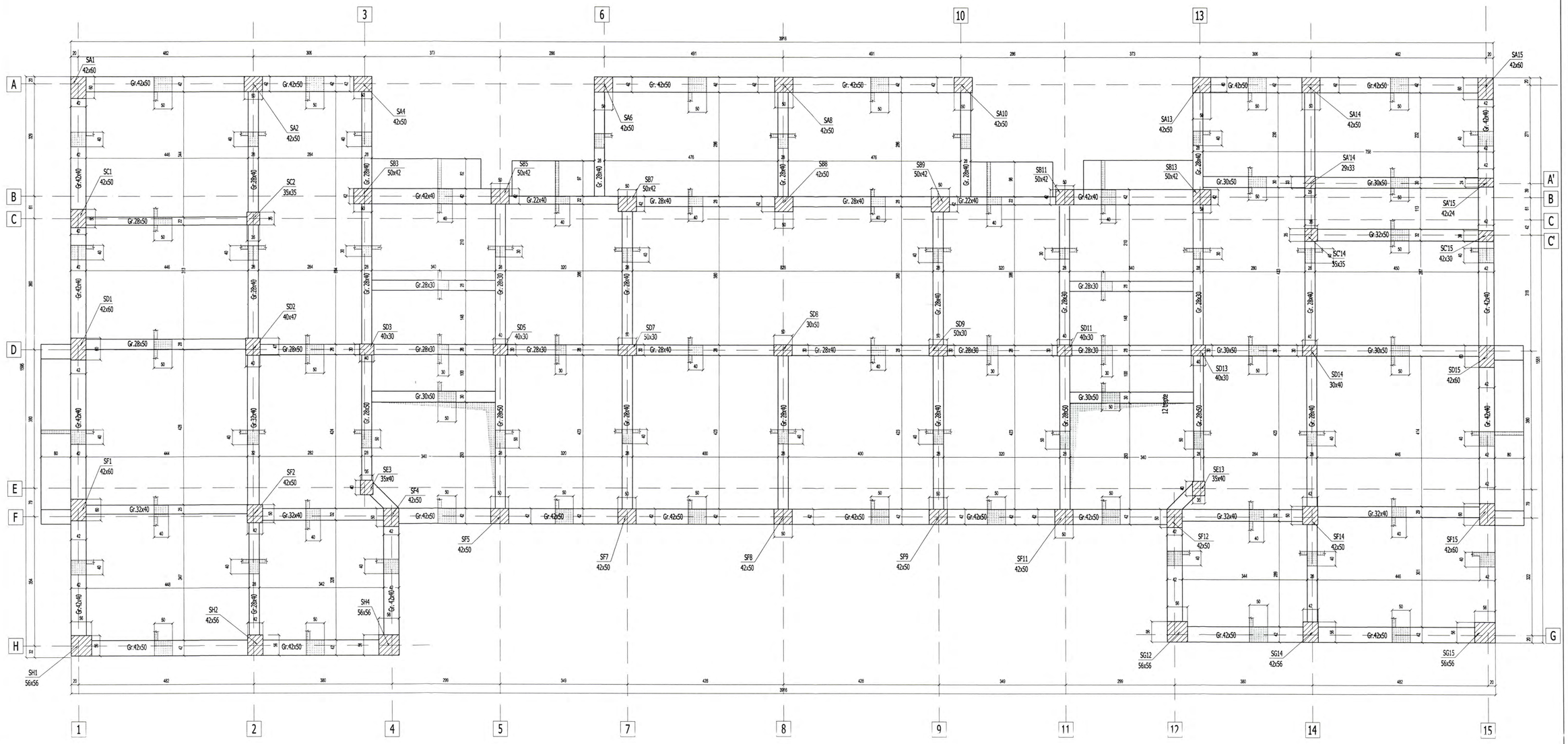
MARIAN T. HARUTUNIAN ROMANIA MUNICIPIUL BUCUREST NR. 95 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MUNICIPIUL BUCUREST NR. 2231 INGINER VERIFICATOR PROIECTE




| | | | | |
|---|---|---|---|---|
| VERIFICARE | NUME | SEMNATURA | CERINTA | 384/ feb. 2011<br>REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA 2011 | Obiect: CORP A | Planse: R / 02 |
| DESENAT | tehn. E. Ivan | | | PLAN COFRAJ PLANSEU PESTE PARTER -EXISTENT | |

S.C. PROCEMA ENGINEERING S.R.L. BUCURESTI

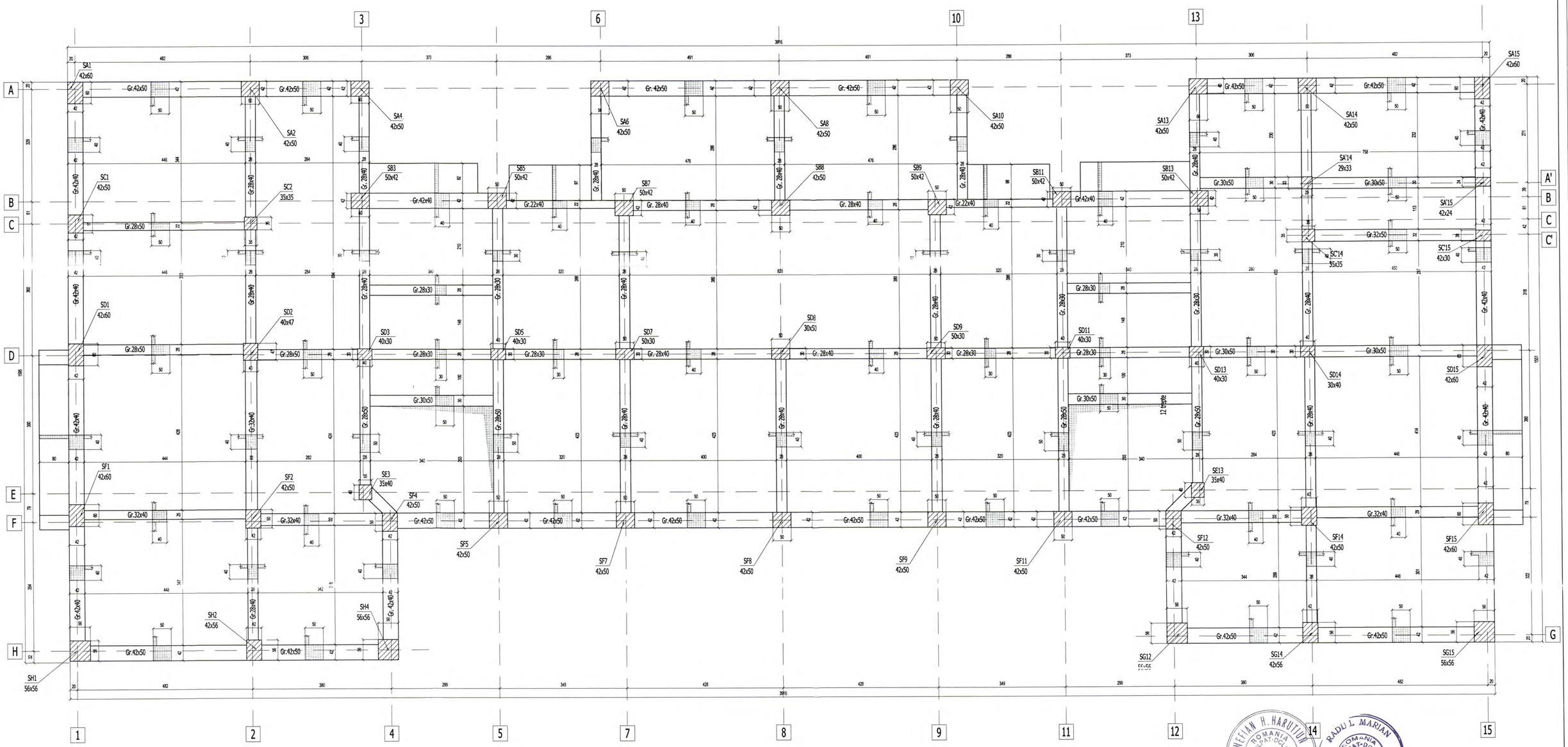



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| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Clasor: CORP A | Planse: R / 03 |
| DESENAT | tehn. E. Ivan | | | PLAN COFRAJ PLANSEU PESTE ETAJ 1 -EXISTENT | |

HRISTIAN H. HARUTIUN — ROMANIA — M.I.P.A.T.-D.C.E. — NR. 95 — A1-A2 — INGINER EXPERT TEHNIC

RADU I. MARIAN — ROMANIA — M.I.P.A.T.-D.C.E. — NR. 2911 — INGINER VERIFICATOR PROIECTE

SOCIETATEA CIVILA PROFESIONALA PROCEMA ENGINEERING S.R.L. BUCURESTI, ROMANIA

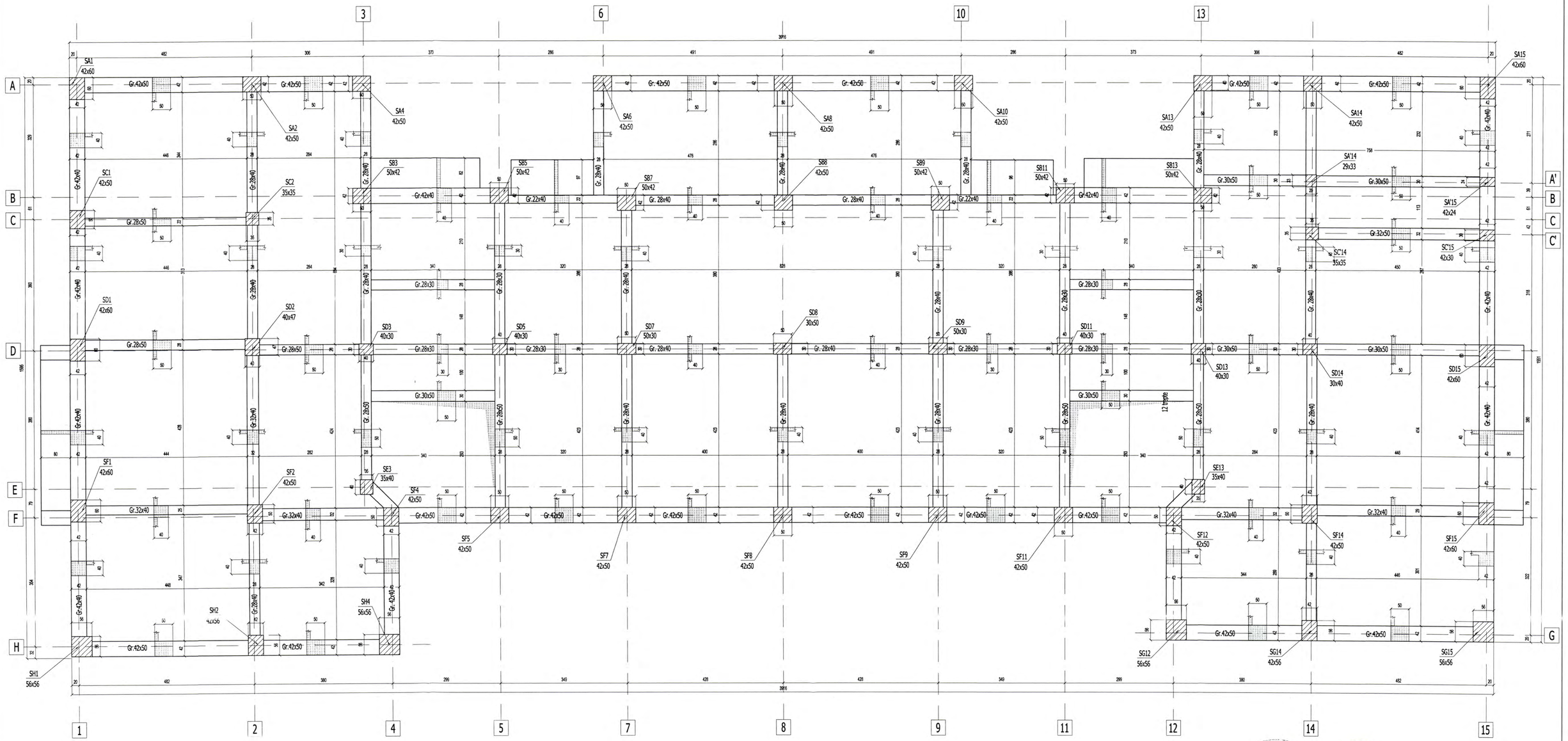



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| VERIFICARE | NUME | SEMNATURA | CERINTA | 384/ feb. 2011 REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI |
| SEF PROIECT | ing. N. Stamate | | | Faza: P.T.+D.E. |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Obiect: COFRAJ PLANSEU PESTE ETAJ 2 -EXISTENT |
| DESENAT | tehn. E. Ivan | | | Planse: R / 04 |

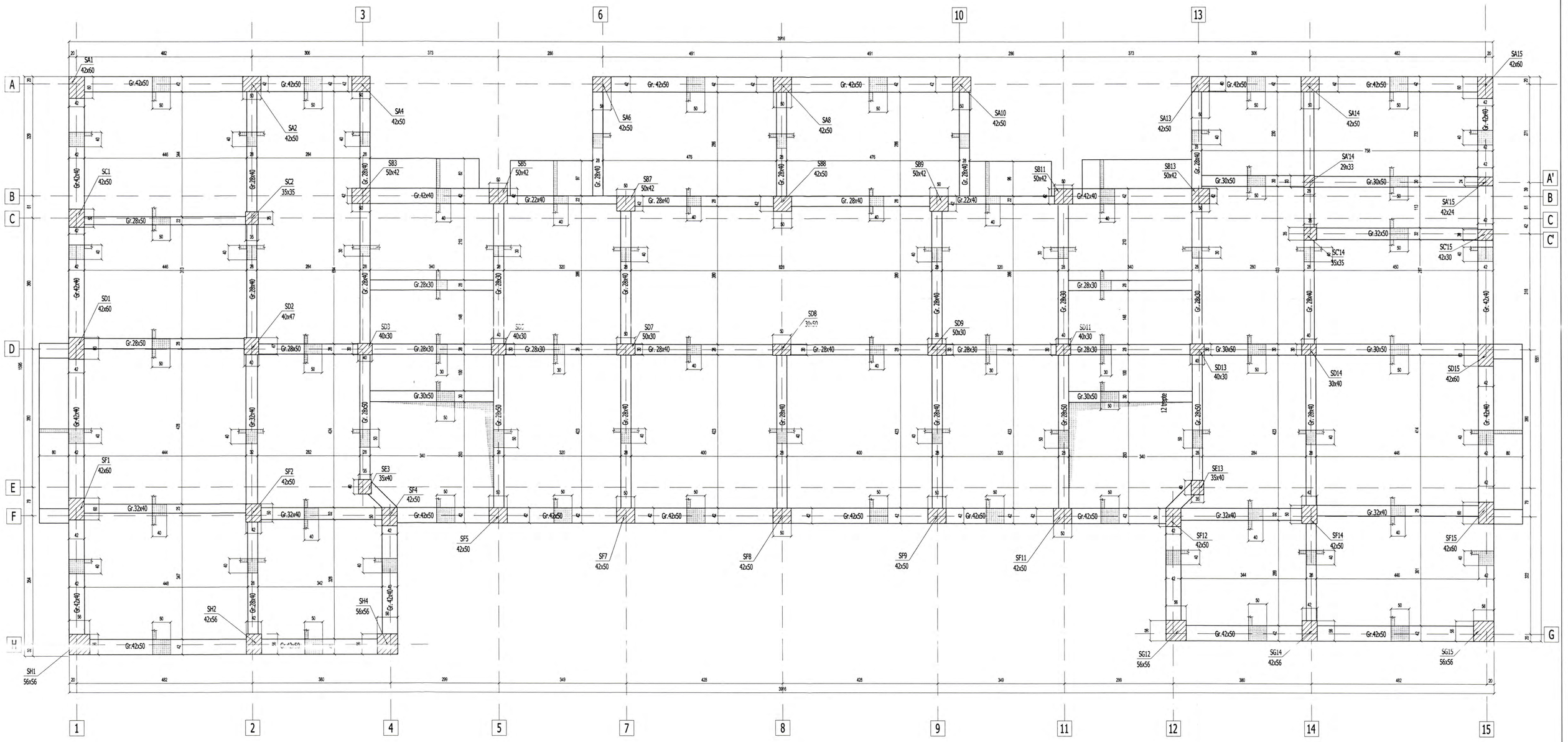
NEFIAN H. HARUTIUN ROMANIA MEDIAT-DOLJ NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MEDIAT-DOLJ NR. 291 A1-A2 INGINER VERIFICATOR PROIECTE

SOCIETATEA COMERCIALA PROCEMA ENGINEERING S.R.L. BUCURESTI ROMANIA

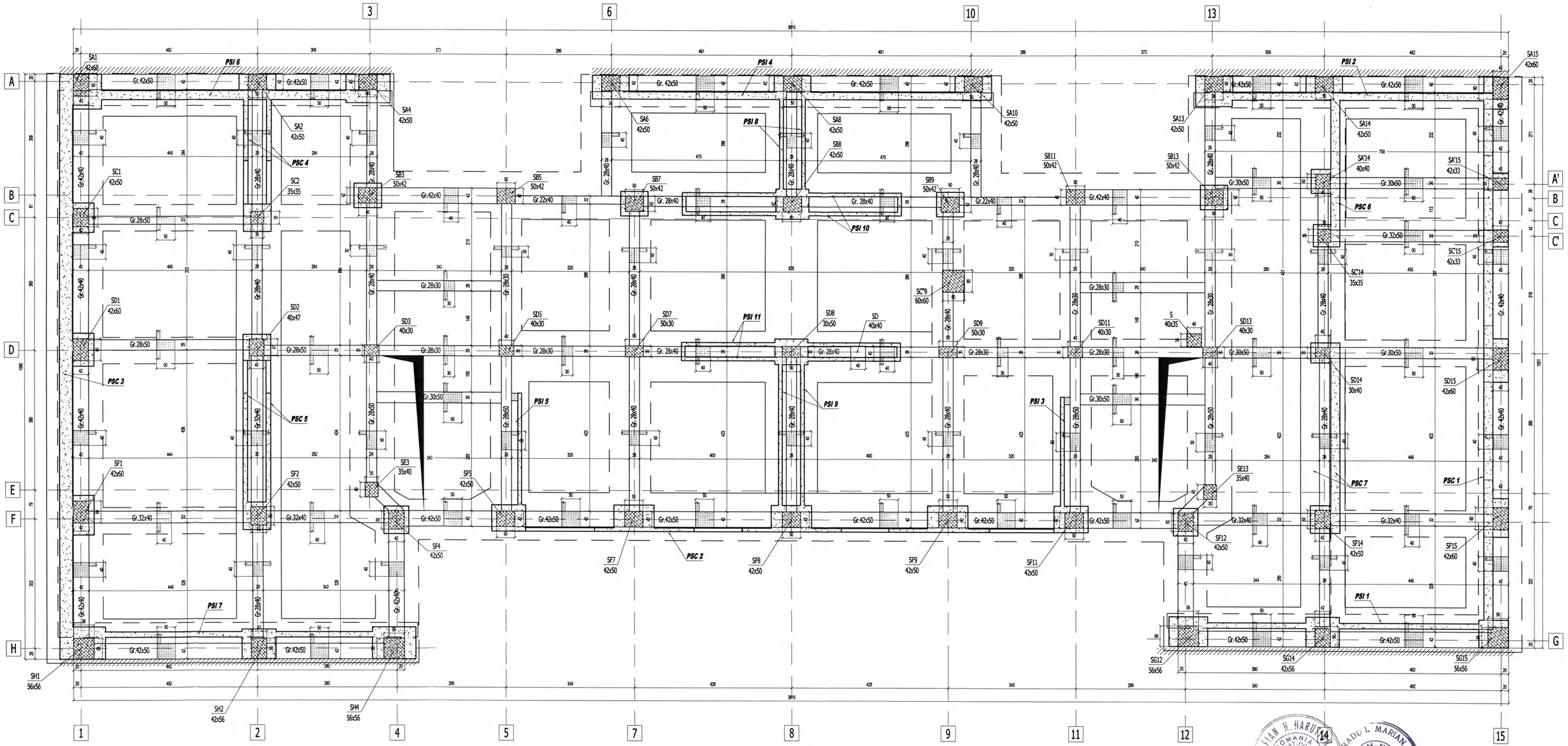



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| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | | Obiect: CORP A | Plansa: R / 05 |
| DESENAT | tehn. E. Ivan | | DATA 2011 | PLAN COFRAJ PLANSEU PESTE ETAJ 3 -EXISTENT | |




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|---|---|---|---|---|
| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. (40-1)-772-2564 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 1, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Obiect: CORP A | Planse: R / 06 |
| DESENAT | tehn. E. Ivan | | | PLAN COFRAJ PLANSEU PESTE ETAJ 4 -EXISTENT | |

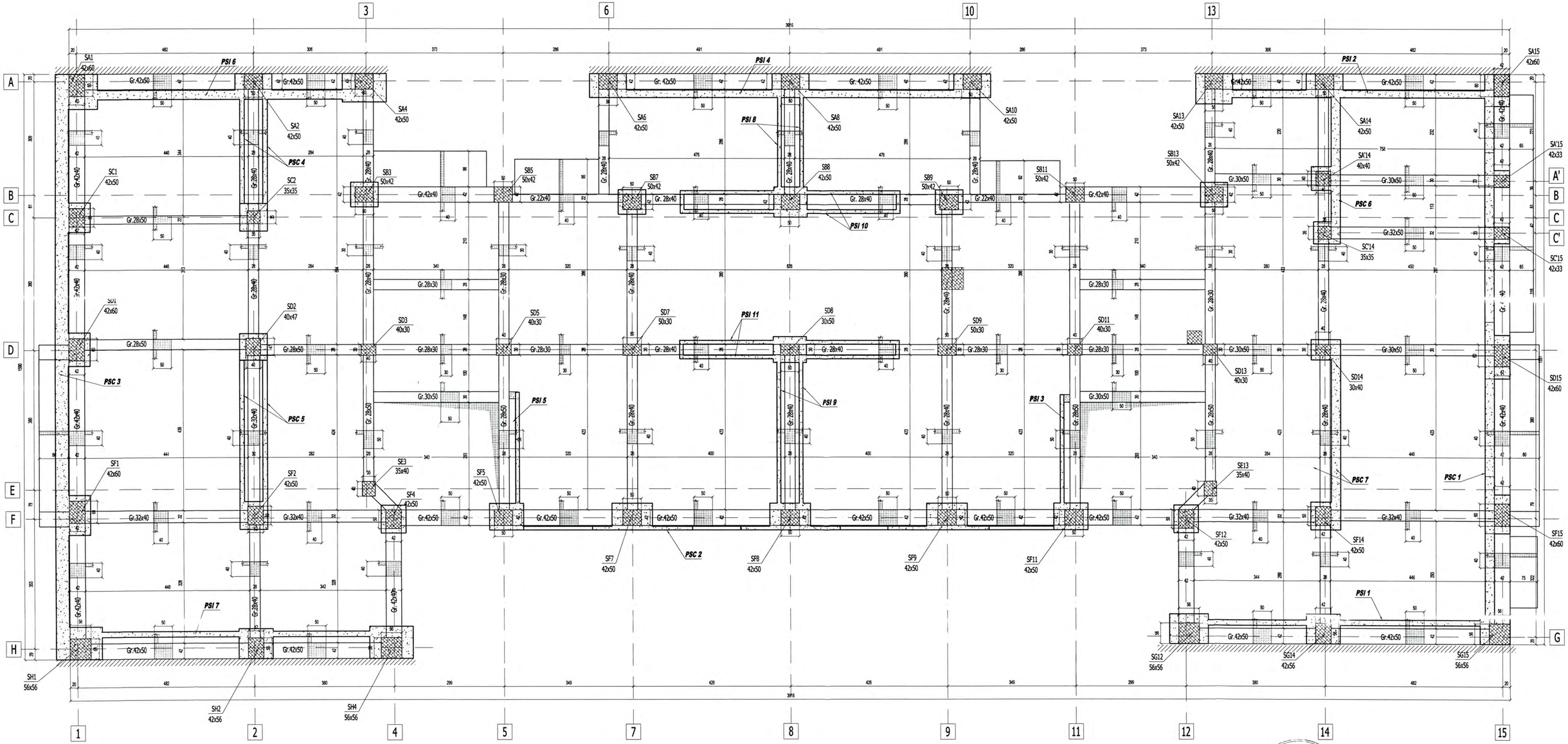
PROCEMA ENGINEERING S.R.L. BUCURESTI - ROMANIA




NEFIAN H. HARUTUN
ROMANIA
NR. 95
INGINER EXPERT TEHNIC
RADU I. MARIAN
NR. 291
INGINER CONSILIATOR PROIECTE
PROCEMA ENGINEERING S.R.L.

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|---|---|---|---|---|
| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

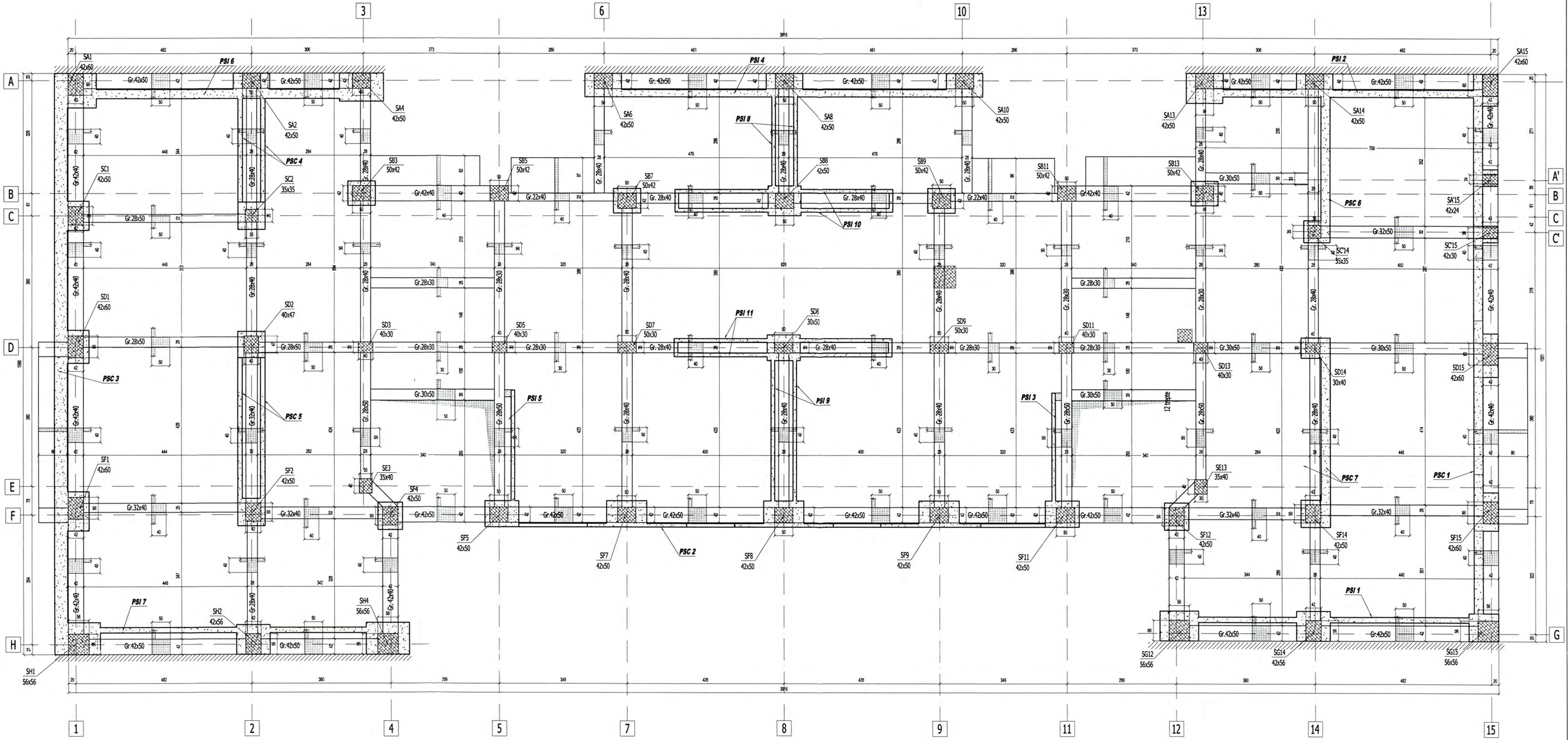
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| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 3, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Obiect: CORP A | Planse: R / 07 |
| DESENAT | tehn. E. Ivan | | | PLAN COFRAJ PLANSEU PESTE SUBSOL -CONSOLIDARE | |




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|---|---|---|---|---|
| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 0642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA 2011 | Obiect: CORP A PLAN COFRAJ PLANSEU PESTE PARTER -CONSOLIDARE | Planse: R / 08 |
| DESENAT | tehn. E. Ivan | | | | |

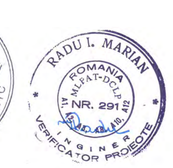
ALEXIAN H. HARUTIUNIAN ROMANIA MUNICIPIUL BUCUREST NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN FOM NR. MUNICIPIUL BUCUREST NR. 291 A1, A2, A3 INGINER VERIFICATOR PROIECTE





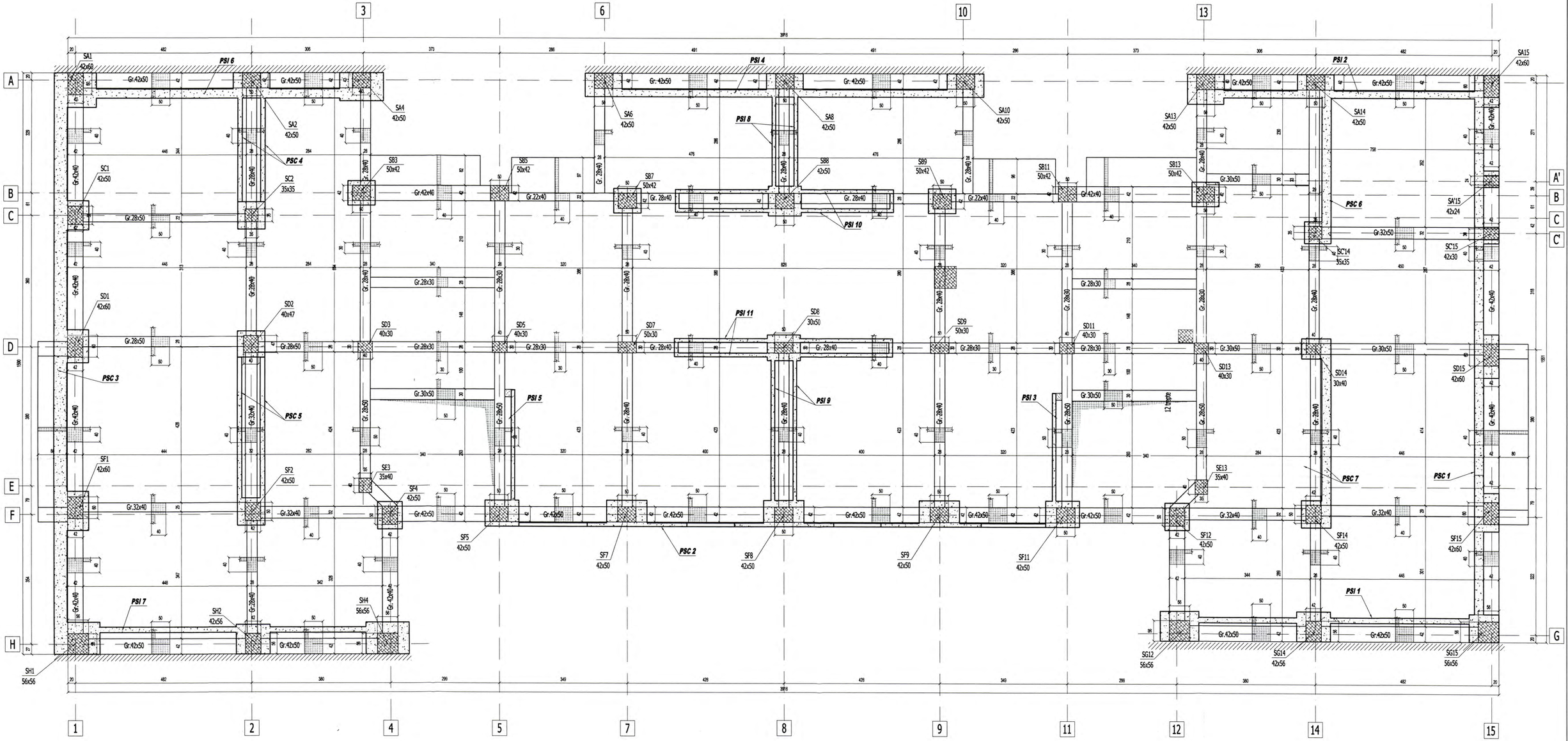




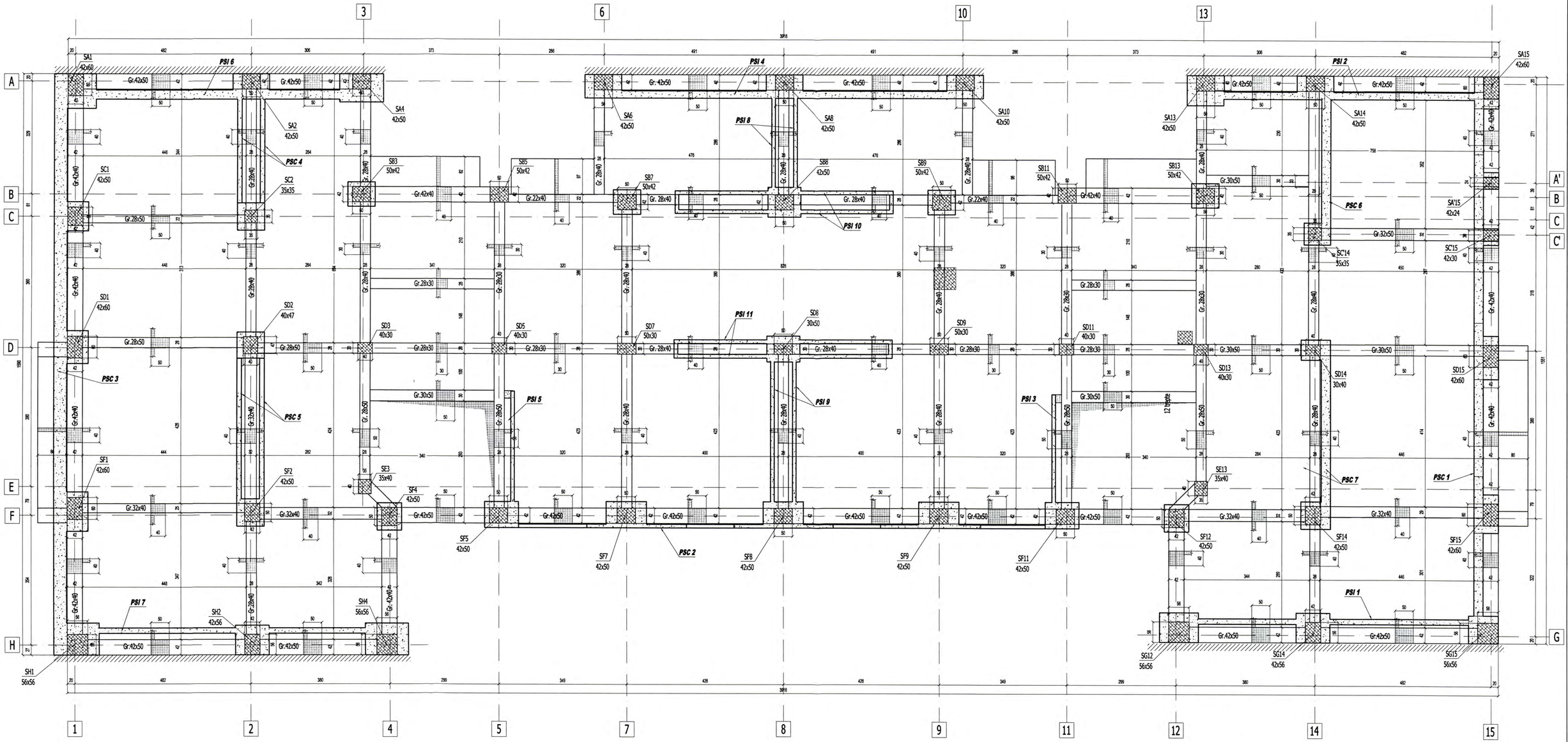




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| VERIFICARE | NUME | SEMNATURA | CERINTA | 384/ feb. 2011<br>REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | ing. M. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA 2011 | Obiect: CORP A<br>PLAN COFRAJ PLANSEU PESTE ETAJ 1 -CONSOLIDARE | Planse: R / 09 |
| DESENAT | tehn. E. Ivan | | | | |




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|---|---|---|---|---|
| VERIFICARE | NUME | SEMNATURA | CERINTA | 384/ feb. 2011<br>REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA 2011 | Obiect: COFR A PLAN COFRAJ PLANSEU PESTE ETAJ 2 -CONSOLIDARE | Planse: R / 10 |
| DESENAT | tehn. E. Ivan | | | | |

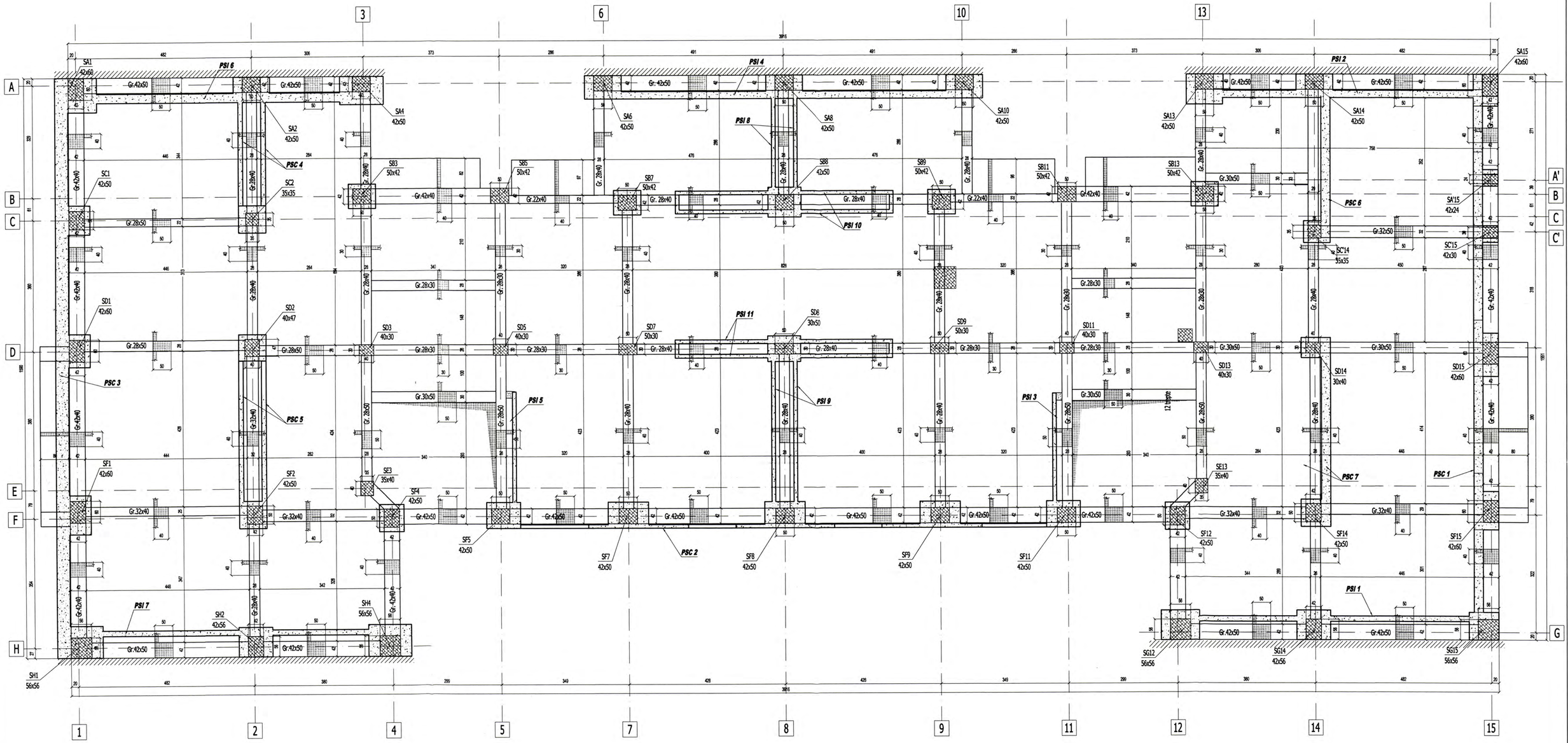



NEFIAN H. HARUTIUN ROMANIA MUNAT-DCLP NR. 95 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MUNAT-DCLP NR. 297 INGINER VERIFICATOR PROIECTE

PROCEMA ENGINEERING S.R.L.

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|---|---|---|---|---|
| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7722/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. M. KOGALNICEANU, NR. 30 SECTOR 5, BUCURESTI |
| SEF PROIECT | Ing. N. Stamate | | | Faza: P.T.+D.E. |
| PROIECTAT | Ing. M. Costache | | DATA 2011 | Obiect: COFR A PLAN COFRAJ PLANSEU PESTE ETAJ 3 -CONSOLIDARE |
| DESENAT | tehn. E. Ivan | | | Planse: R / 11 |

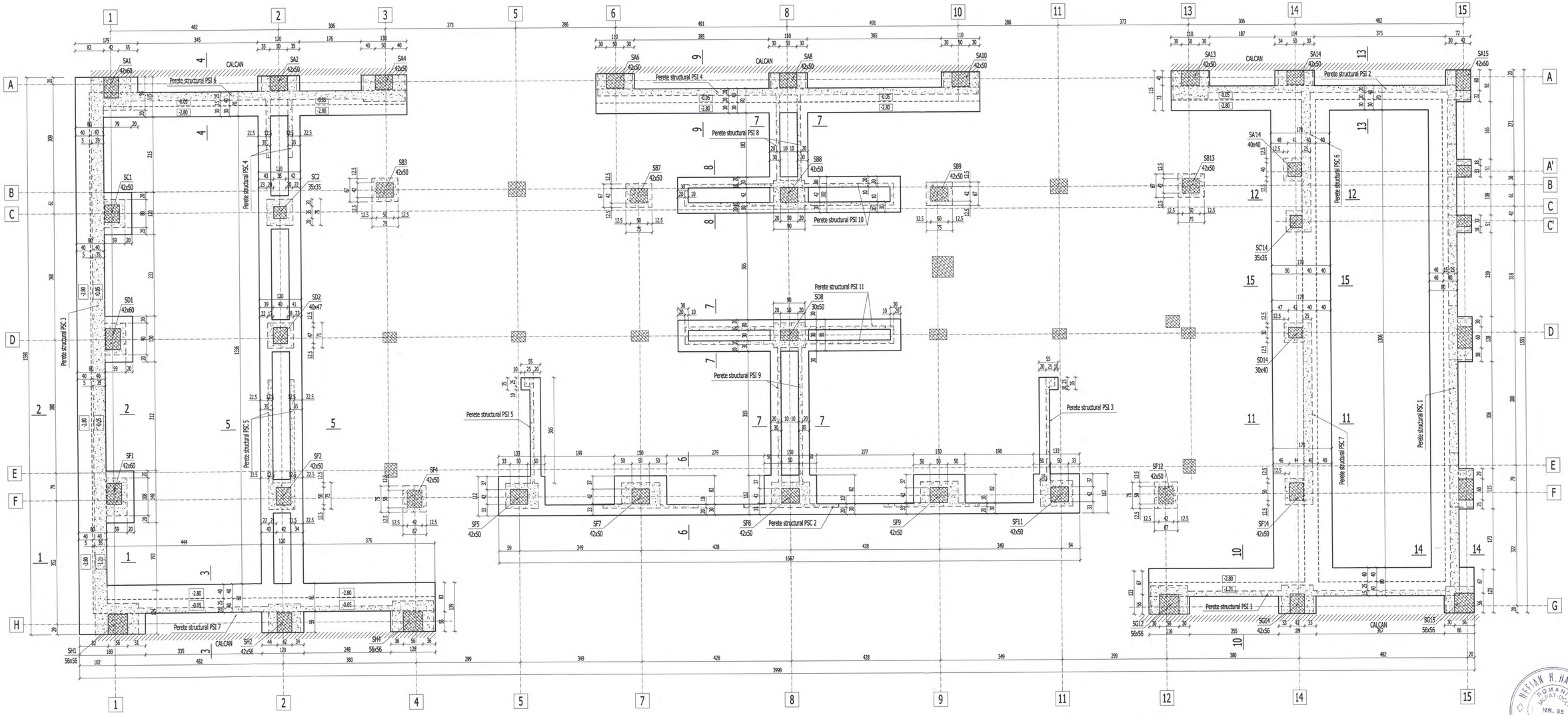



NEFIAN N. HARUTIUN ROMANIA MEMBRU OCPI NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MEMBRU OCPI NR. 291 A1-A2 INGINER VERIFICATOR PROIECTE

PROCEMA ENGINEERING

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|---|---|---|---|---|
| VERIFICARE | | | | 384/ feb. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 0642/2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN STR. N. IOGA MOSNEAU, NR. 30 SECTOR 5, BUCURESTI | Faza: P.T.+D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA 2011 | Obiect: CORP A | Planse: R / 12 |
| DESENAT | tehn. E. Ivan | | | PLAN COFRAJ PLANSEU PESTE ETAJ 4 -CONSOLIDARE | |



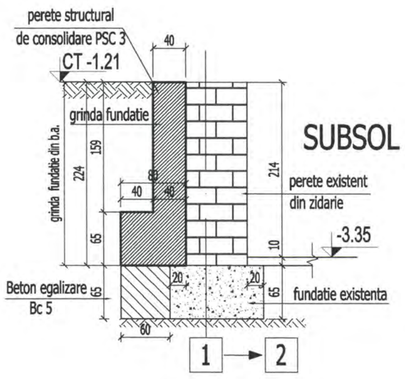

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

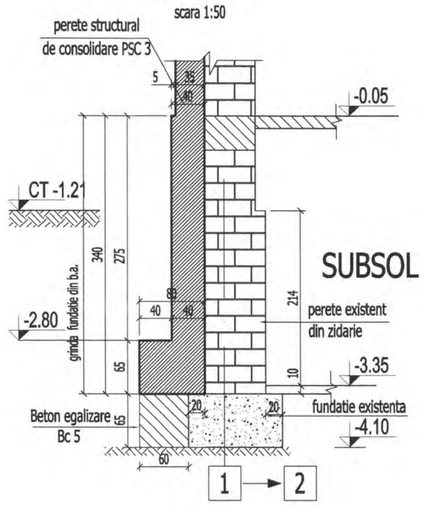
Acest plan se va citi impreuna cu planul R/02 - Plan sectiuni fundatii

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T. + D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A PLAN COFRAJ FUNDATII | Plansa: R/13 |
| DESENAT | ing. A. Pruna | | | | |

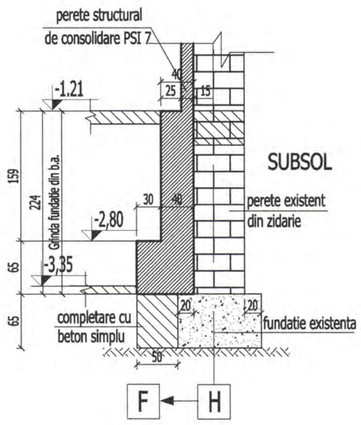
SECTIUNE 1 - 1
scara 1:50



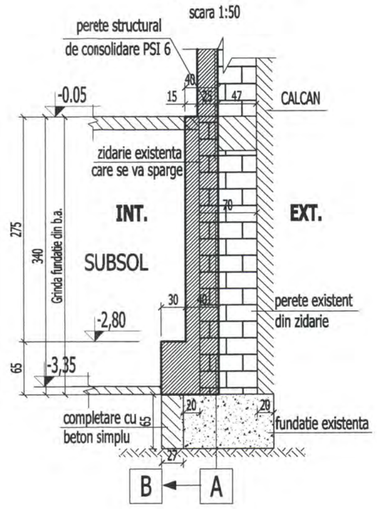

SECTIUNE 2 - 2
scara 1:50



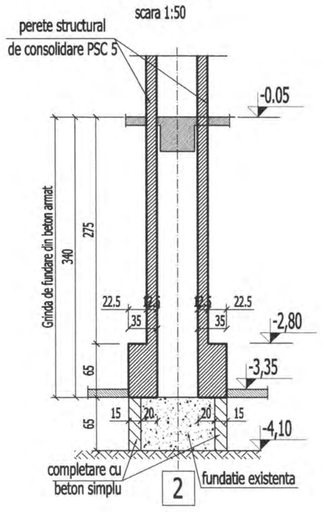

SECTIUNE 3 - 3
scara 1:50



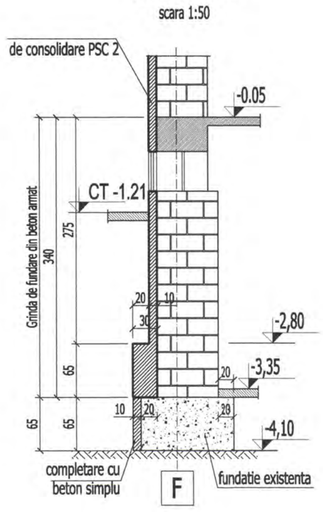

SECTIUNE 4 - 4
scara 1:50



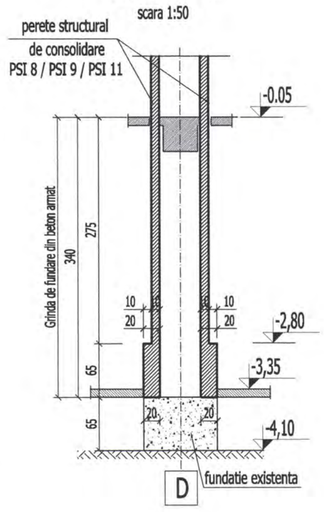

SECTIUNE 5 - 5
scara 1:50



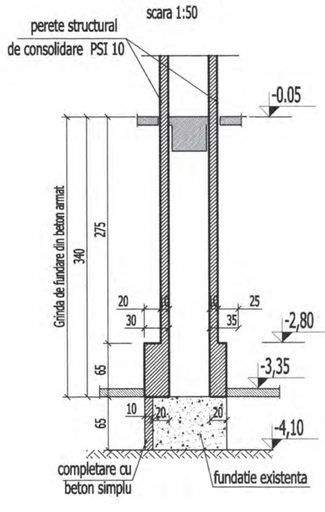

SECTIUNE 6 - 6
scara 1:50



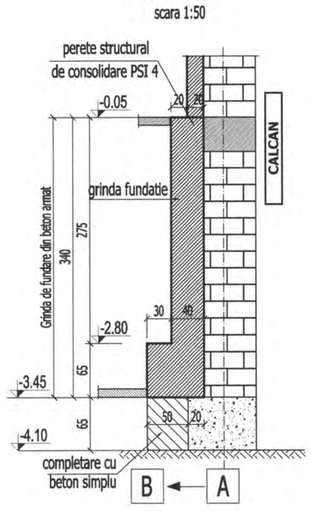

SECTIUNE 7 - 7
scara 1:50



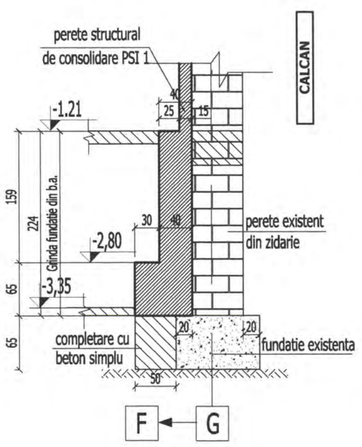

SECTIUNE 8 - 8
scara 1:50



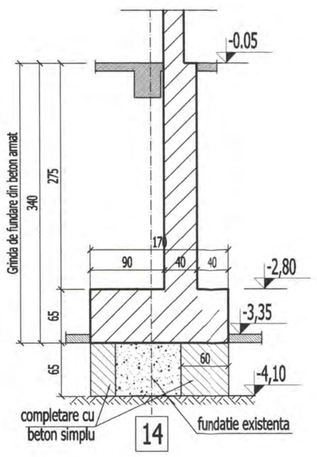

SECTIUNE 9 - 9
scara 1:50



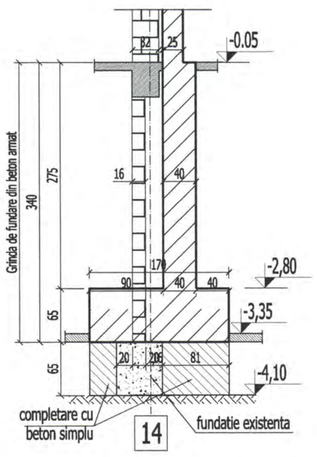

SECTIUNE 10 - 10
scara 1:50



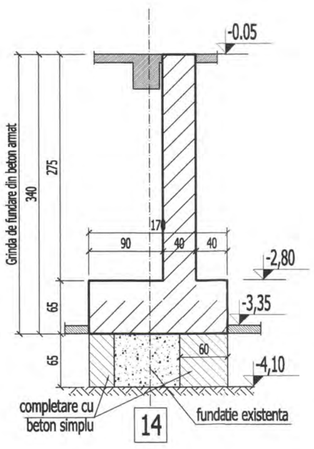

SECTIUNE 11 - 11
scara 1:50



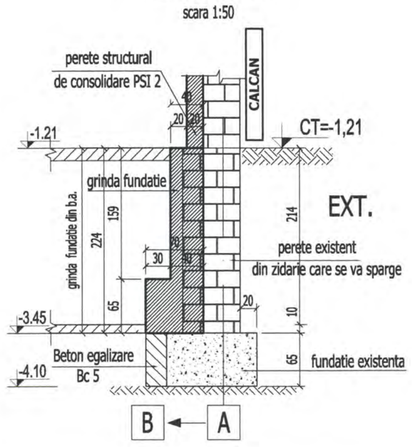

SECTIUNE 12 - 12
scara 1:50



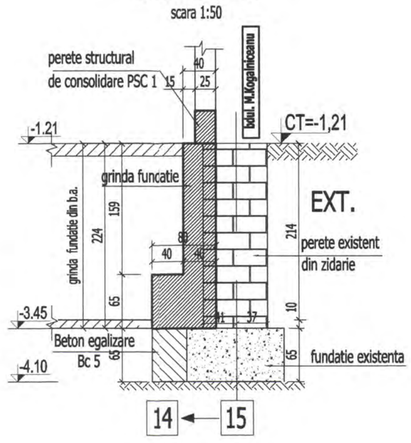

SECTIUNE 15 - 15
scara 1:50




SECTIUNE 13 - 13
scara 1:50




SECTIUNE 14 - 14
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planul R/13 - Plan cofraj fundatii

RADU I. MARIAN
ROM NI
MLPAT-DCLP
A1, A2, A3, A8, A10
INGINER
VERIFICATOR PROIECTE

ROMANIA
MLPAT-DCLP
NR. 95
A1 - A2
INGINER
EXPERT TEHNIC

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. 140/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | Ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Corp A

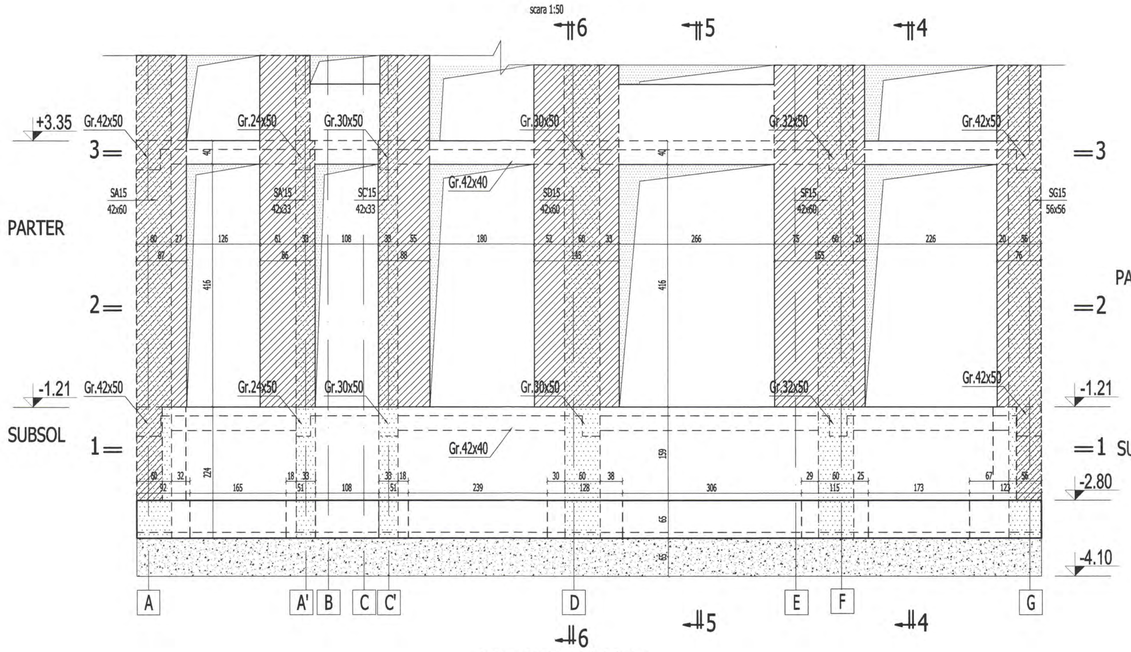
PLAN SECTIUNI FUNDATII

Faza: P.T. + D.E.

Plansa: R/14

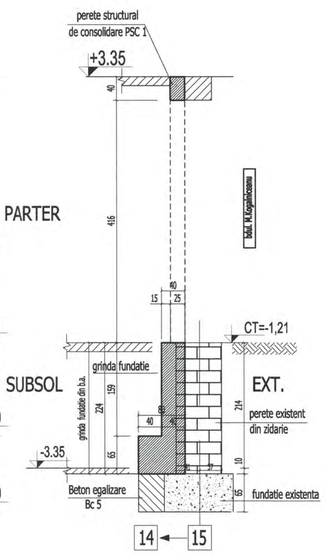
## ELEVATIE PERETE PSC 1 AX 15 / A - G

scara 1:50



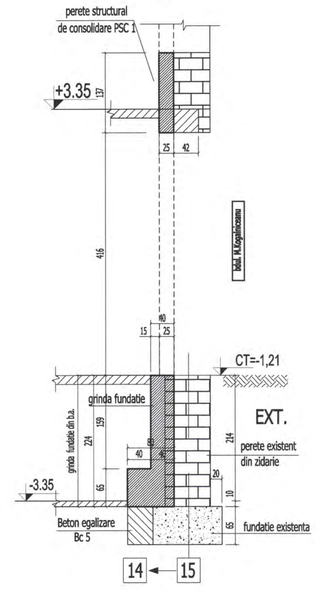

## SECTIUNE 4 - 4 COFRAJ

scara 1:50



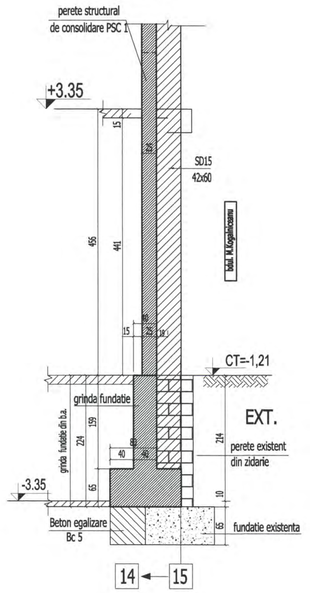

## SECTIUNE 5 - 5 COFRAJ

scara 1:50



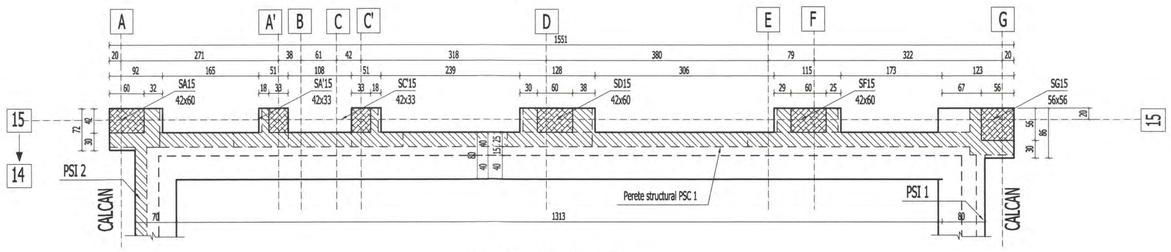

## SECTIUNE 6 - 6 COFRAJ

scara 1:50



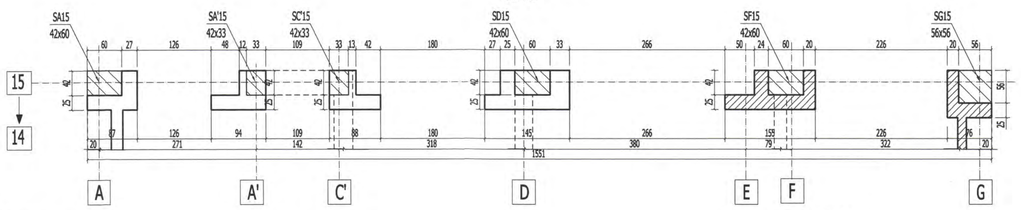

## Sectiunea 1-1 - talpa grinda de fundare

scara 1:50




## SECTIUNE 2 - 2 COFRAJ - parter

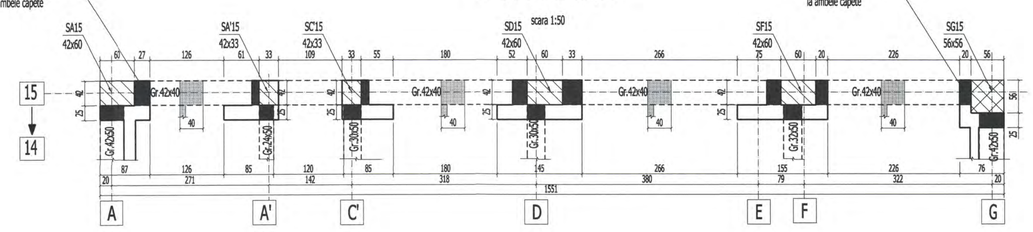
scara 1:50




## SECTIUNE 3 - 3 COFRAJ - parter

scara 1:50

zona a grinzi care se va sparge cu pastrarea armaturii si nu inainte ca grinda sa fie sprijinita la ambele capete




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/16 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan armare
- R/17 - Elevatie si sectiuni perete structural PSC 1. Plan cofraj
- R/18 - Elevatie si sectiuni perete structural PSC 1. Plan armare

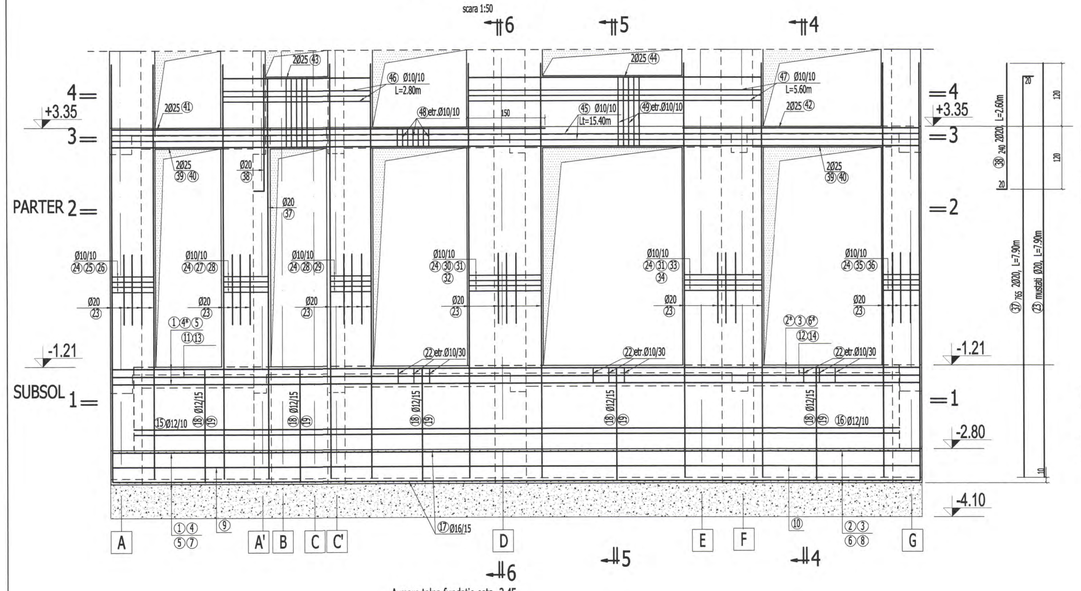
NEFTIAN H. HARUTIUN ROMANIA MUNICIPIUL BUCURESTI NR. 35 A1, A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROM-NI A1, A2, A3, A8, A12 NR. 2917 INGINER VERIFICATOR PROIECTE

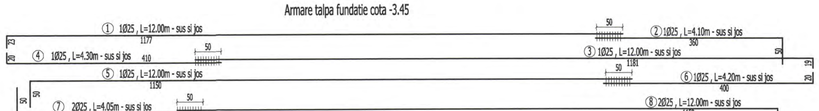
| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. 140/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 1 AX 15 / A-G . SUBSOL SI PARTER -PLAN COFRAJ - | Plansa: R/15 |
| DESENAT | Ing. A. Pruna | | | | |

## GRINDA DE FUNDATIE PERETE PSC 1

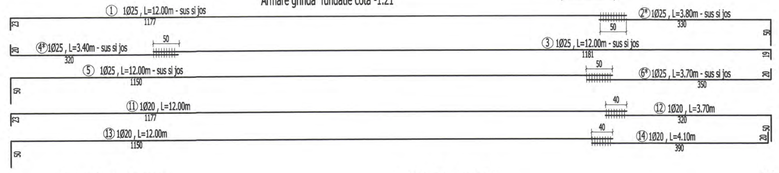
scara 1:50




### Armare talpa fundatie cota -3.45

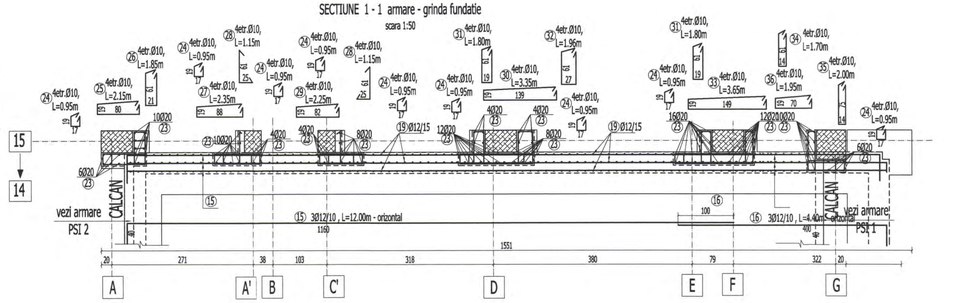



### Armare grinda fundatie cota -1.21



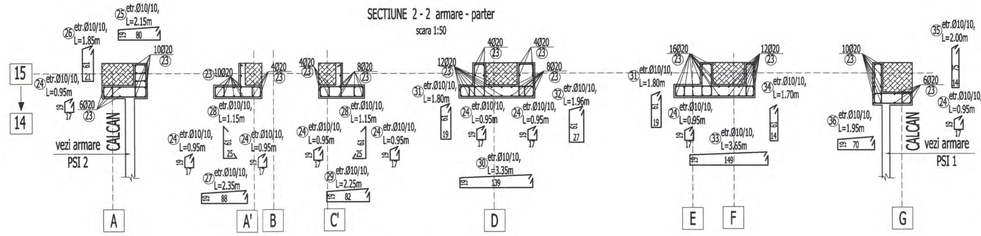

## SECTIUNE 1 - 1 armare - grinda fundatie

scara 1:50



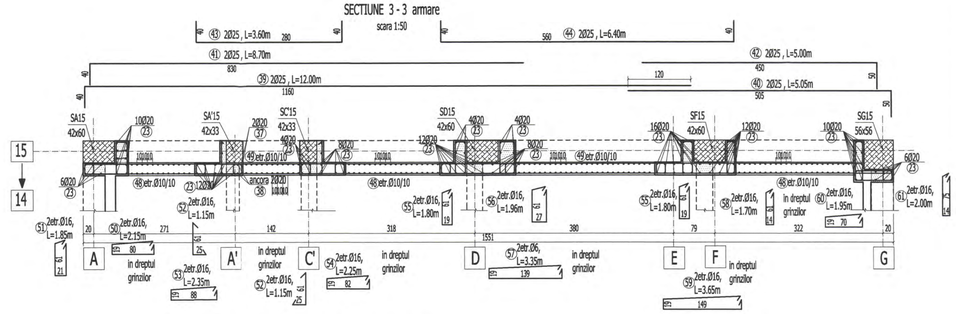

## SECTIUNE 2 - 2 armare - parter

scara 1:50



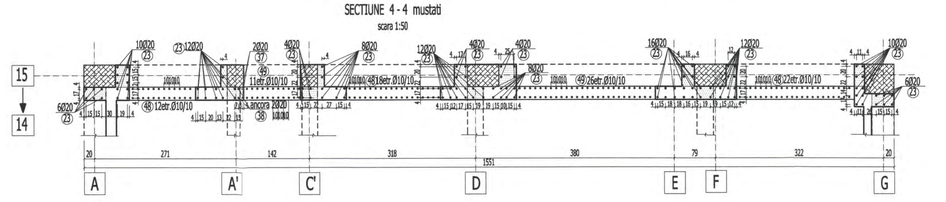

## SECTIUNE 3 - 3 armare

scara 1:50



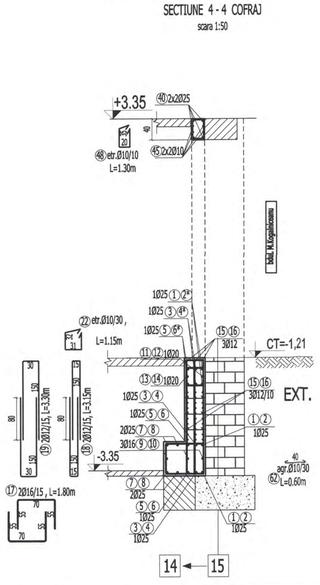

## SECTIUNE 4 - 4 mustati

scara 1:50



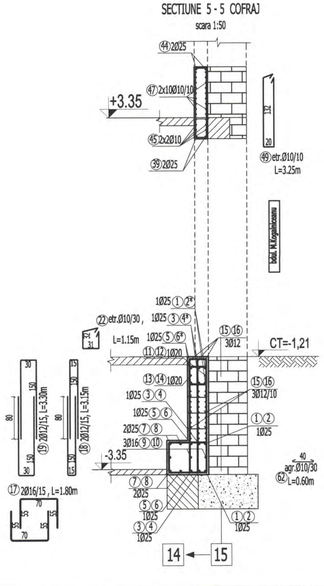

## SECTIUNE 4 - 4 COFRAJ

scara 1:50



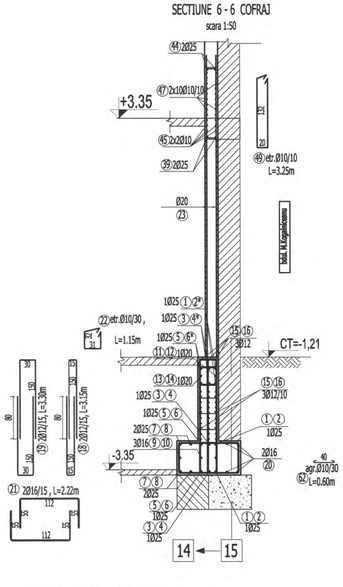

## SECTIUNE 5 - 5 COFRAJ

scara 1:50




## SECTIUNE 6 - 6 COFRAJ

scara 1:50



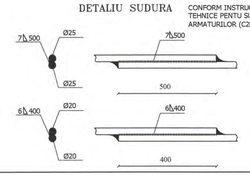

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/15 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan cofraj
- R/17 - Elevatie si sectiuni perete structural PSC 1. Plan cofraj
- R/18 - Elevatie si sectiuni perete structural PSC 1. Plan armare

### DETALIU SUDURA

CONFORM INSTRUCTIUNI TEHNICE PENTU SUDAREA ARMATURILOR (C28-86)




### R16 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 1 AX 16 / A-G /

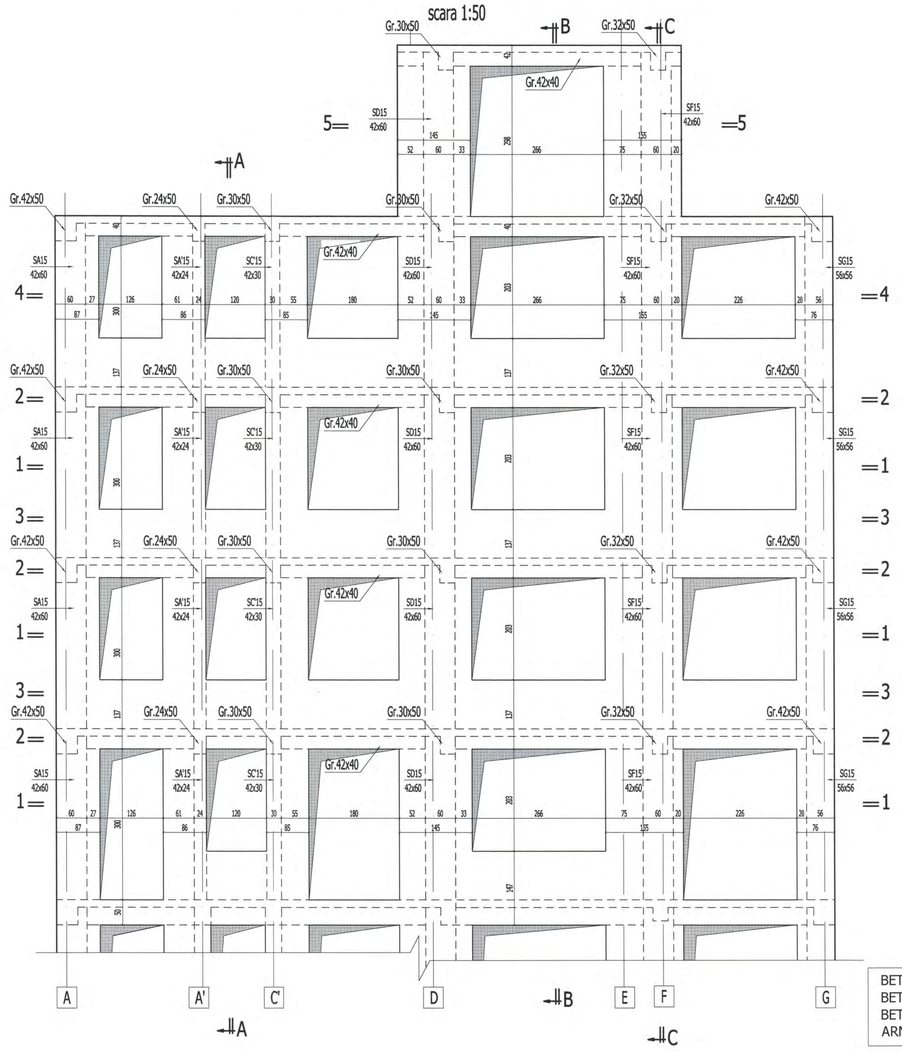
**SUBSOL SI PARTER PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 Φ 6 | Φ 8 | Pc52 Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25 | 3 | 12.00 | | | | | | | 36.00 |
| 2 | 25 | 2 | 4.10 | | | | | | | 8.20 |
| 2* | 25 | 1 | 3.80 | | | | | | | 3.80 |
| 3 | 12 | 3 | 12.00 | | | 36.00 | | | | |
| 4 | 25 | 2 | 4.30 | | | | | | | 8.60 |
| 4* | 25 | 1 | 3.40 | | | | | | | 3.40 |
| 5 | 25 | 3 | 12.00 | | | | | | | 36.00 |
| 6 | 25 | 2 | 4.20 | | | | | | | 8.40 |
| 6* | 25 | 1 | 3.70 | | | | | | | 3.70 |
| 7 | 25 | 2 | 4.05 | | | | | | | 8.10 |
| 8 | 25 | 2 | 12.00 | | | | | | | 24.00 |
| 9 | 16 | 3 | 12.00 | | | | 36.00 | | | |
| 10 | 16 | 4 | 4.80 | | | | 14.40 | | | |
| 11 | 20 | 1 | 12.00 | | | | | | 12.00 | |
| 12 | 20 | 1 | 3.70 | | | | | | 3.70 | |
| 13 | 20 | 1 | 12.00 | | | | | | 12.00 | |
| 14 | 20 | 1 | 4.10 | | | | | | 4.10 | |
| 15 | 12 | 36 | 12.00 | | | 432.00 | | | | |
| 16 | 12 | 36 | 4.40 | | | 158.40 | | | | |
| 17 | 16 | 204 | 1.80 | | | | | 367.20 | | |
| 18 | 12 | 204 | 3.15 | | | 642.60 | | | | |
| 19 | 12 | 204 | 3.30 | | | 673.20 | | | | |
| 20 | 16 | 2 | 12.00 | | | | | 24.00 | | |
| 21 | 16 | 22 | 2.22 | | | | | 48.84 | | |
| 22 | 10 | 51 | 1.15 | | 58.65 | | | | | |
| 23 | 20 | 112 | 7.90 | | | | | | 884.80 | |
| 24 | 10 | 360 | 0.95 | | | 342.00 | | | | |
| 25 | 10 | 40 | 2.15 | | | 86.00 | | | | |
| 26 | 10 | 40 | 1.85 | | | 74.00 | | | | |
| 27 | 10 | 40 | 2.35 | | | 94.00 | | | | |
| 28 | 10 | 80 | 1.15 | | | 92.00 | | | | |
| 29 | 10 | 40 | 2.25 | | | 90.00 | | | | |
| 30 | 10 | 40 | 3.35 | | | 134.00 | | | | |
| 31 | 10 | 80 | 1.80 | | | 144.00 | | | | |
| 32 | 10 | 40 | 1.96 | | | 78.40 | | | | |
| 33 | 10 | 40 | 3.65 | | | 146.00 | | | | |
| 34 | 10 | 40 | 1.70 | | | 68.00 | | | | |
| 35 | 10 | 40 | 2.00 | | | 80.00 | | | | |
| 36 | 10 | 40 | 1.95 | | | 78.00 | | | | |
| 37 | 20 | 2 | 7.85 | | | | | | 15.70 | |
| 38 | 20 | 2 | 2.60 | | | | | | 5.20 | |
| 39 | 25 | 2 | 12.00 | | | | | | | 24.00 |
| 40 | 25 | 2 | 5.05 | | | | | | | 10.10 |
| 41 | 25 | 2 | 8.70 | | | | | | | 17.40 |
| 42 | 25 | 2 | 5.00 | | | | | | | 10.00 |
| 43 | 25 | 2 | 3.60 | | | | | | | 7.20 |
| 44 | 25 | 2 | 6.40 | | | | | | | 12.80 |
| 45 | 10 | 4 | 15.40 | | 61.60 | | | | | |
| 46 | 10 | 20 | 2.80 | | 56.00 | | | | | |
| 47 | 10 | 20 | 5.60 | | 112.00 | | | | | |
| 48 | 10 | 52 | 1.30 | | 67.60 | | | | | |
| 49 | 10 | 37 | 3.25 | | 120.25 | | | | | |
| 50 | 16 | 2 | 2.15 | | | | | 4.30 | | |
| 51 | 16 | 2 | 1.85 | | | | | 3.70 | | |
| 52 | 16 | 4 | 1.15 | | | | | 4.60 | | |
| 53 | 16 | 2 | 2.35 | | | | | 4.70 | | |
| 54 | 16 | 2 | 2.25 | | | | | 4.50 | | |
| 55 | 16 | 4 | 1.80 | | | | | 7.20 | | |
| 56 | 16 | 2 | 1.96 | | | | | 3.92 | | |
| 57 | 16 | 2 | 3.35 | | | | | 6.70 | | |
| 58 | 16 | 2 | 1.70 | | | | | 3.40 | | |
| 59 | 16 | 2 | 3.65 | | | | | 7.30 | | |
| 60 | 16 | 2 | 1.95 | | | | | 3.90 | | |
| 61 | 16 | 2 | 2.00 | | | | | 4.00 | | |
| 62 | 10 | 408 | 0.60 | | | 244.80 | | | | |
| Lungimi /ø | | m | | 0.00 | 0.00 | 2227.30 | 1942.20 | 548.66 | 937.50 | 221.70 |
| Masa totala / ml | | m | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø | | m | | 0.00 | 0.00 | 1374.24 | 1724.31 | 865.97 | 2311.88 | 854.21 |
| TOTAL kg | | | | | | | 7131.00 | | | |

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. N. IORGA/BICAZ, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 1 AX 15 / A-G . SUBSOL SI PARTER -PLAN ARMARE- | Plansa: R/16 |
| DESENAT | Ing. A. Pruna | | | | |

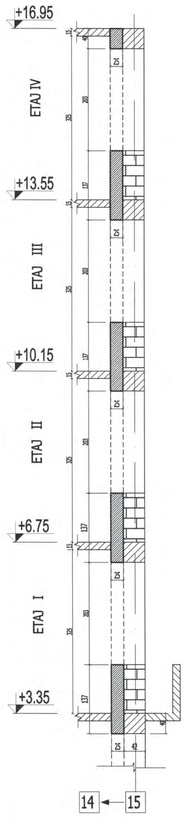
# ELEVATIE PERETE PSC 1 AX 15 /A - G - COFRAJ

scara 1:50



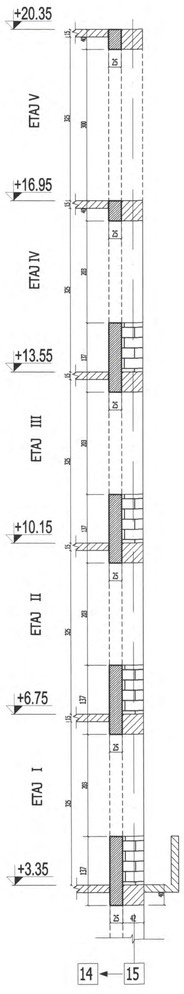

## SECTIUNE A - A COFRAJ

scara 1:50



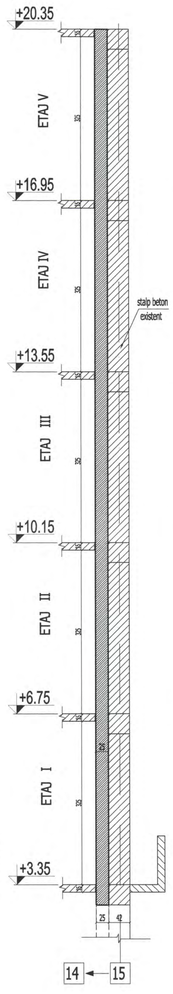

## SECTIUNE B - B COFRAJ

scara 1:50



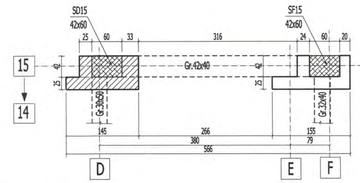

## SECTIUNE C - C COFRAJ

scara 1:50



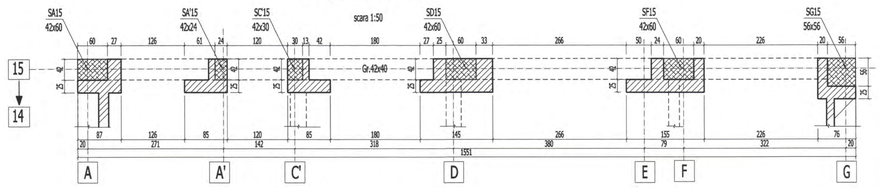

## SECTIUNE 5 - 5 COFRAJ - etaj 5

scara 1:50



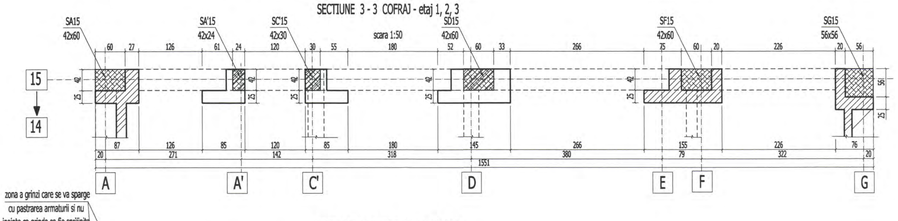

## SECTIUNE 4 - 4 COFRAJ - etaj 4

scara 1:50




## SECTIUNE 3 - 3 COFRAJ - etaj 1, 2, 3

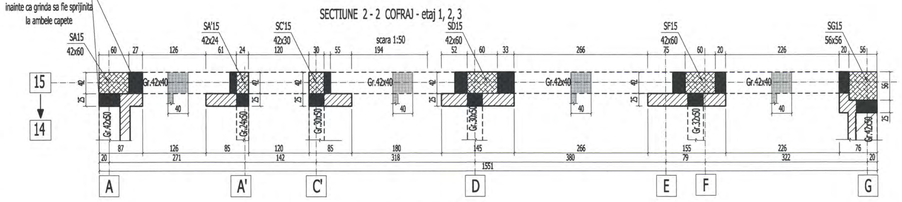
scara 1:50




zona a grinzi care se va sparge cu pastrarea armaturii si nu inainte ca grinda sa fie sprijinita la ambele capete

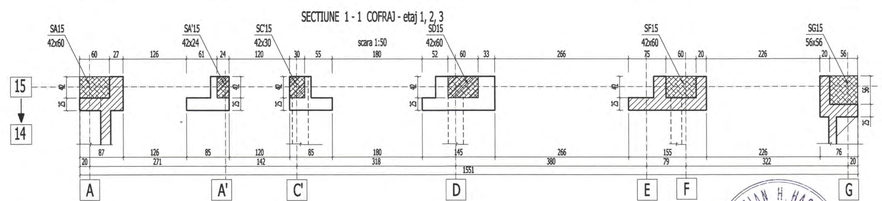
## SECTIUNE 2 - 2 COFRAJ - etaj 1, 2, 3

scara 1:50




## SECTIUNE 1 - 1 COFRAJ - etaj 1, 2, 3

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/15 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan cofraj
- R/16 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan armare
- R/18 - Elevatie si sectiuni perete structural PSC 1. Plan armare

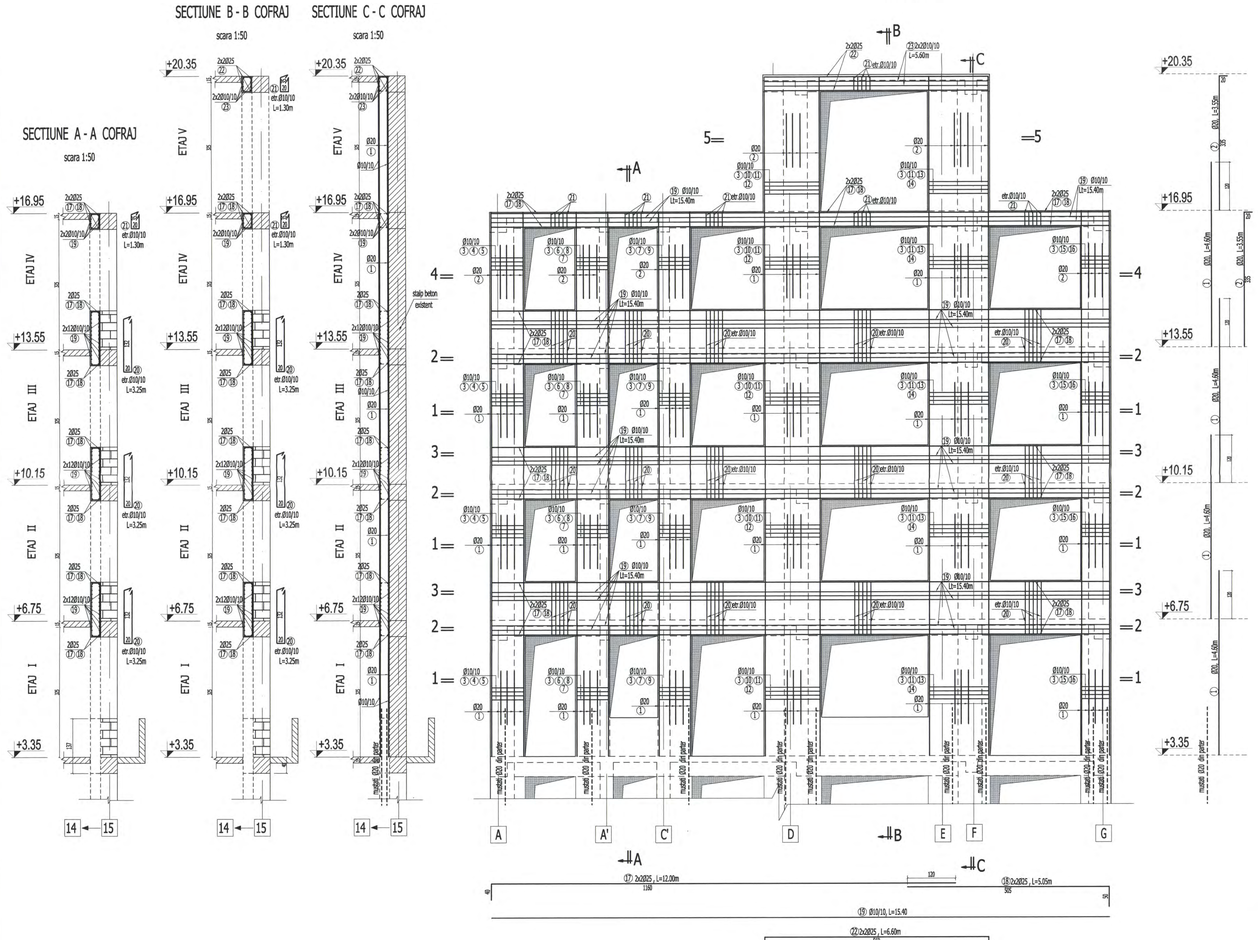
RADU I. MARIAN
FOM - NR. 291
MEMBRU
INGINER
VERIFICATOR PROIECTE

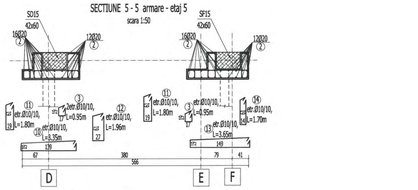
NEFTALIM H HARUTIUN
ROMANIA
NR. 95
INGINER
EXPERT TEHNIC

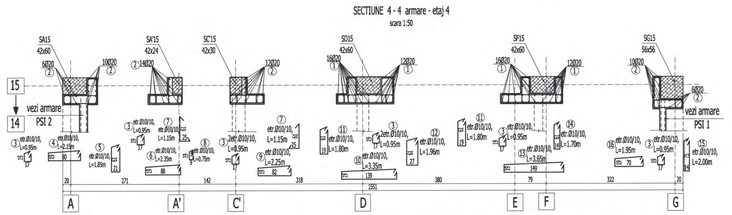
| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. (MI/7772/2004) | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE SIH Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | ELEVATIE si SECTIUNI PERETE STRUCTURAL PSC 1 AX 15 / A-G -PLAN COFRAJ - | Plansa: R/17 |
| DESENAT | ing. A. Pruna | | | | |

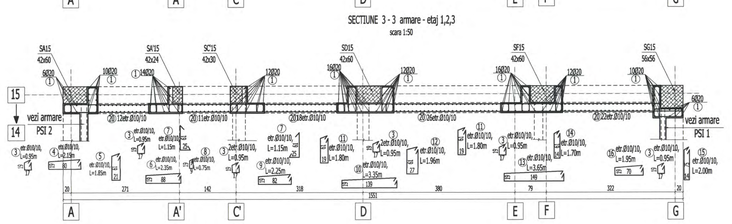
# ELEVATIE PERETE PSC 1 AX 15 /A - G - ARMARE

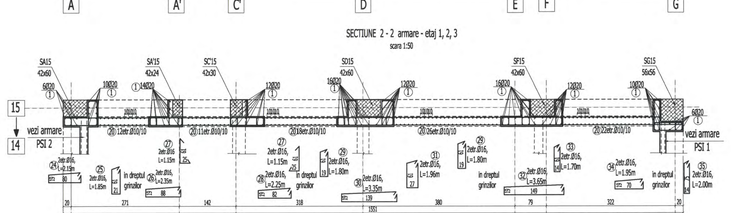
scara 1:50

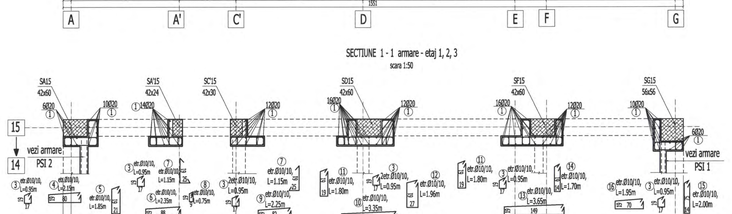



R19 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 1 AX 15 / A-G

PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 14 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 398 | 4.60 | | | | | | | 1830.80 | |
| 2 | 20 | 114 | 3.55 | | | | | | | 404.70 | |
| 3 | 10 | 832 | 0.95 | | | 790.40 | | | | | |
| 4 | 10 | 128 | 2.15 | | | 275.20 | | | | | |
| 5 | 10 | 128 | 1.85 | | | 236.80 | | | | | |
| 6 | 10 | 128 | 2.35 | | | 300.80 | | | | | |
| 7 | 10 | 256 | 1.15 | | | 294.40 | | | | | |
| 8 | 10 | 128 | 0.75 | | | 96.00 | | | | | |
| 9 | 10 | 128 | 2.25 | | | 288.00 | | | | | |
| 10 | 10 | 160 | 3.35 | | | 536.00 | | | | | |
| 11 | 10 | 100 | 1.80 | | | 576.00 | | | | | |
| 12 | 10 | 160 | 1.96 | | | 313.60 | | | | | |
| 13 | 10 | 160 | 3.65 | | | 584.00 | | | | | |
| 14 | 10 | 160 | 1.70 | | | 272.00 | | | | | |
| 15 | 10 | 128 | 2.00 | | | 256.00 | | | | | |
| 16 | 10 | 128 | 1.93 | | | 249.60 | | | | | |
| 17 | 25 | 16 | 12.00 | | | | | | | | 192.00 |
| 18 | 25 | 16 | 5.05 | | | | | | | | 80.80 |
| 19 | 10 | 76 | 15.40 | | | 1170.40 | | | | | |
| 20 | 10 | 270 | 3.25 | | | 877.50 | | | | | |
| 21 | 10 | 116 | 1.30 | | | 150.80 | | | | | |
| 22 | 25 | 4 | 6.60 | | | | | | | | 26.40 |
| 23 | 10 | 4 | 5.60 | | | 22.40 | | | | | |
| 24 | 16 | 8 | 2.15 | | | | | | 17.20 | | |
| 25 | 16 | 8 | 1.85 | | | | | | 14.80 | | |
| 26 | 16 | 8 | 2.35 | | | | | | 18.80 | | |
| 27 | 16 | 16 | 1.15 | | | | | | 18.40 | | |
| 28 | 16 | 8 | 2.25 | | | | | | 18.00 | | |
| 29 | 16 | 16 | 1.80 | | | | | | 28.80 | | |
| 30 | 16 | 8 | 3.35 | | | | | | 26.80 | | |
| 31 | 16 | 8 | 1.96 | | | | | | 15.68 | | |
| 32 | 16 | 8 | 3.65 | | | | | | 29.20 | | |
| 33 | 16 | 8 | 1.70 | | | | | | 13.60 | | |
| 34 | 16 | 8 | 1.95 | | | | | | 15.60 | | |
| 35 | 16 | 8 | 2.00 | | | | | | 16.00 | | |
| Lungimi /ø | m | | | 0.00 | 0.00 | 7289.90 | 0.00 | 232.88 | 2235.50 | 299.20 | |
| Masa liniară / ml | m | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 | |
| Masa totală | m | | | 0.00 | 0.00 | 4497.87 | 0.00 | 367.56 | 5512.74 | 1152.82 | |
| **TOTAL kg** | | | | **11531.00** | | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, PC52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/16 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan cofraj
- R/16 - Elevatie si sectiuni perete structural PSC 1. Subsol si parter. Plan armare
- R/17 - Elevatie si sectiuni perete structural PSC 1. Plan cofraj

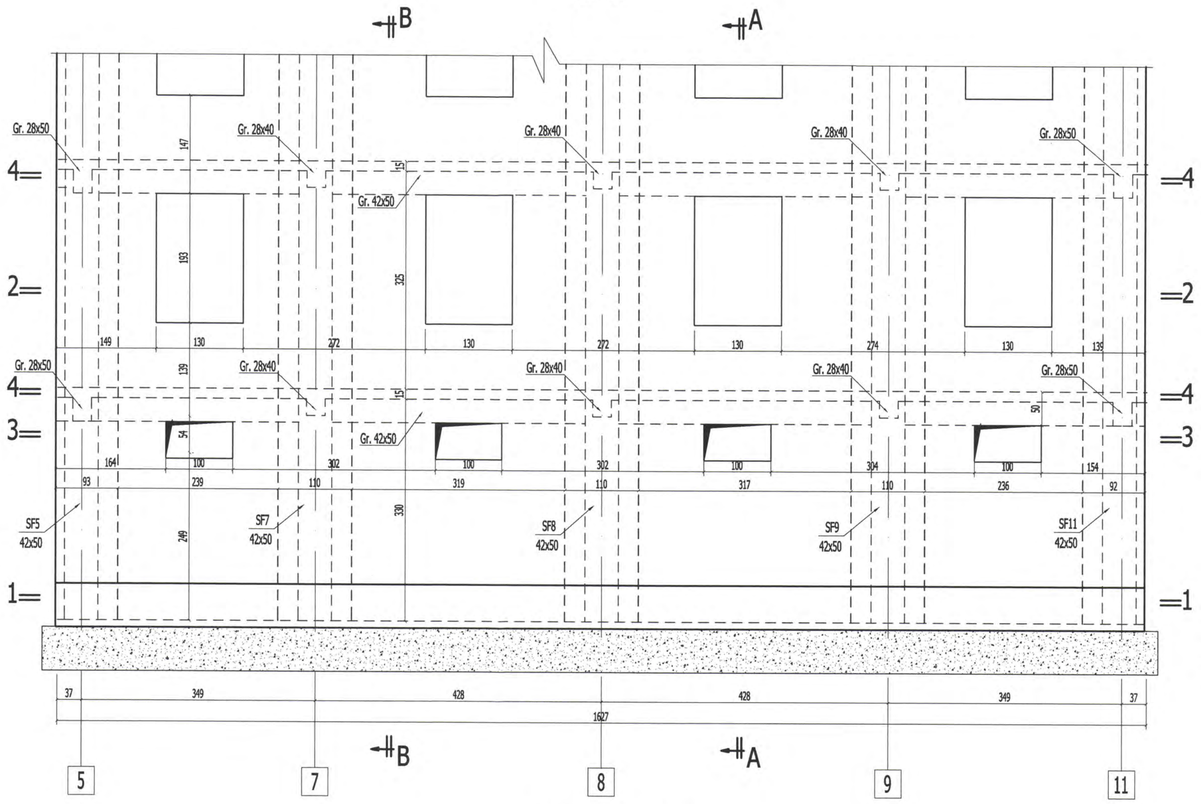
| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7713/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: NR 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PRIMARIA MUNICIPIULUI BUCURESTI, CONSILIUL GENERAL DE LOCUINTE DIN BDUL M. KOGALNICEANU, NR. 36, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stanate | | | ELEVATII si SECTIUNI PERETE STRUCTURAL PSC 1 AX 15/A-G -PLAN ARMARE- | Planse: R/18 |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A | |
| DESENAT | Ing. A. Pruna | | | | |

RADU I. MARIAN — MEMBRU AL CORPULUI EXPERTILOR TEHNICI — VERIFICATOR DE PROIECTE — NR. 291

MINISTERUL AFACERILOR INTERNE — MEMBRU AL CORPULUI EXPERTILOR TEHNICI — NR. 05 — INGINER

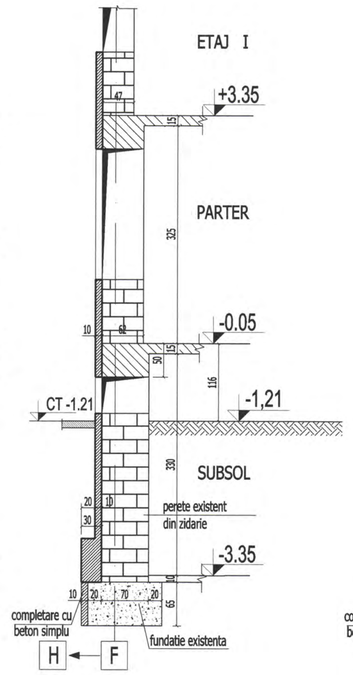
# ELEVATIE PERETE PSC 2 AX F /5 - 11 - COFRAJ

scara 1:50



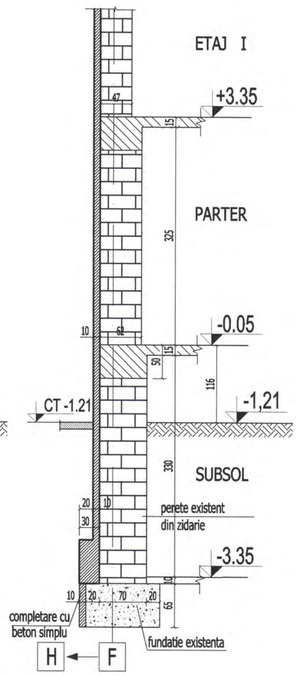

SECTIUNE A - A - cofraj

scara 1:50



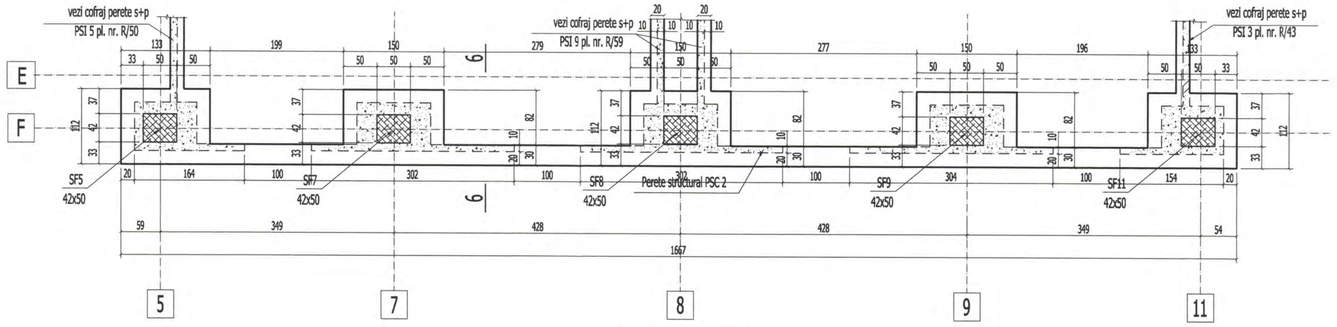

SECTIUNE B - B - cofraj

scara 1:50



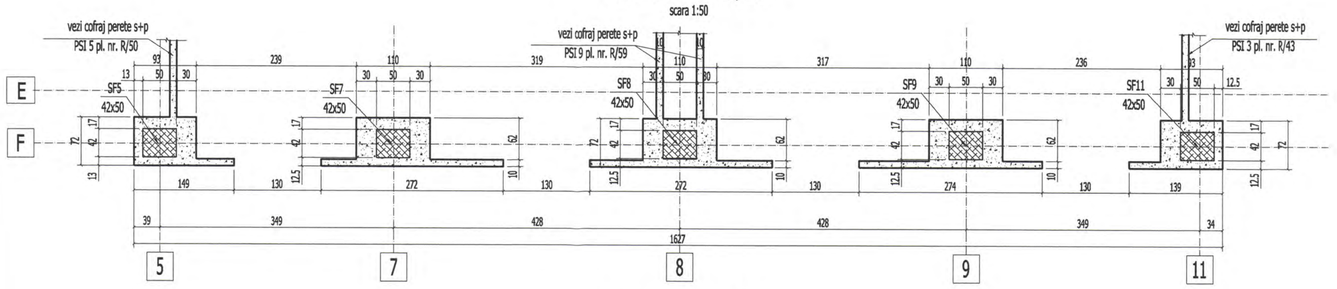

Sectiunea 1 - 1 - talpa fundare

scara 1:50



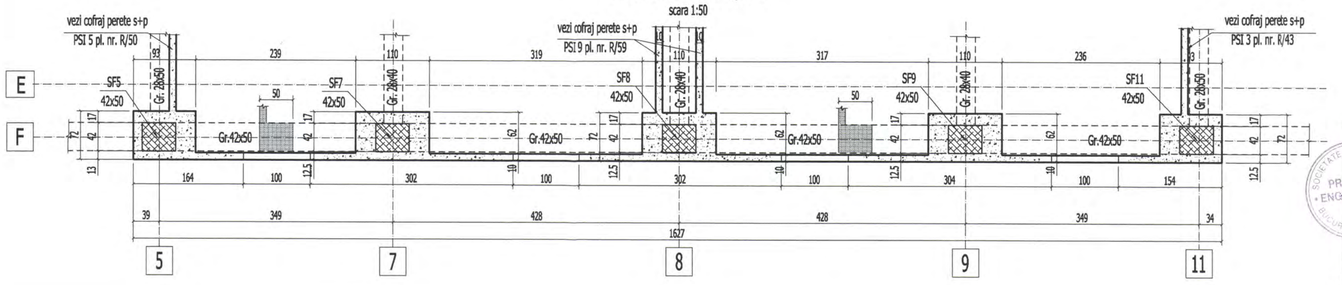

Sectiunea 2 - 2 - subsol/parter

scara 1:50




Sectiunea 3 - 3 - subsol/parter

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

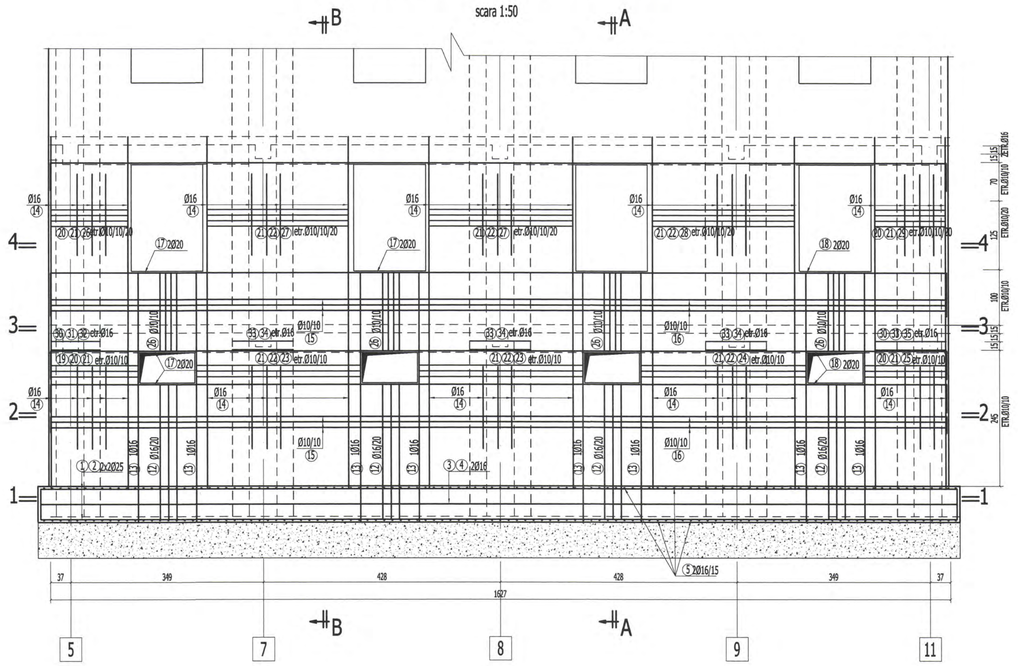
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/20 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan armare
- R/21 - Elevatie si sectiuni perete structural PSC 2. Plan cofraj
- R/22 - Elevatie si sectiuni perete structural PSC 2. Plan armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C. PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5 - 11 - subsol+parter -PLAN COFRAJ - | Plansa: R/19 |
| DESENAT | ing. A. Pruna | | | | |

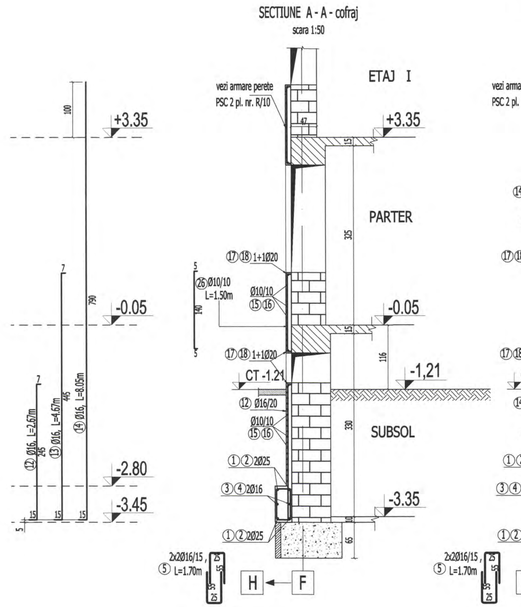
## ELEVATIE PERETE PSC 2 AX F /5 - 11 - COFRAJ

scara 1:50



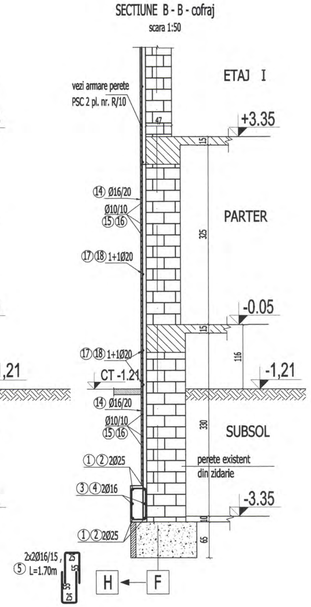

### SECTIUNE A - A - cofraj

scara 1:50




### SECTIUNE B - B - cofraj

scara 1:50



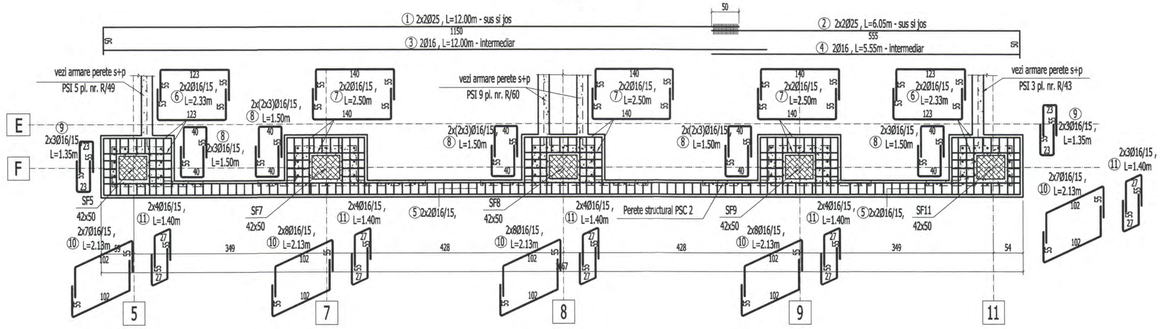

### R/20 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5-11 / SUBSOL SI PARTER. PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 4 | 12.00 | | | | | | | 48.00 |
| 2 | 25 | 4 | 6.05 | | | | | | | 24.20 |
| 3 | 16 | 2 | 12.00 | | | | | 24.00 | | |
| 4 | 16 | 2 | 5.55 | | | | | 11.10 | | |
| 5 | 16 | 212 | 1.70 | | | | | 360.40 | | |
| 6 | 16 | 8 | 2.33 | | | | | 18.64 | | |
| 7 | 16 | 12 | 2.50 | | | | | 30.00 | | |
| 8 | 16 | 48 | 1.50 | | | | | 72.00 | | |
| 9 | 16 | 12 | 1.35 | | | | | 16.20 | | |
| 10 | 16 | 76 | 2.13 | | | | | 161.88 | | |
| 11 | 16 | 38 | 1.40 | | | | | 53.20 | | |
| 12 | 16 | 20 | 2.67 | | | | | 53.40 | | |
| 13 | 16 | 8 | 4.67 | | | | | 37.36 | | |
| 14 | 16 | 142 | 8.05 | | | | | 1143.10 | | |
| 15 | 10 | 33 | 5.45 | | | 179.85 | | | | |
| 16 | 10 | 33 | 12.00 | | | 396.00 | | | | |
| 17 | 20 | 3 | 12.00 | | | | | | 36.00 | |
| 18 | 20 | 3 | 6.75 | | | | | | 20.25 | |
| 19 | 10 | 6 | 2.60 | | | 15.60 | | | | |
| 20 | 10 | 96 | 2.15 | | | 206.40 | | | | |
| 21 | 10 | 384 | 2.00 | | | 768.00 | | | | |
| 22 | 10 | 144 | 2.50 | | | 360.00 | | | | |
| 23 | 10 | 12 | 3.05 | | | 36.60 | | | | |
| 24 | 10 | 6 | 3.10 | | | 18.60 | | | | |
| 25 | 10 | 6 | 2.50 | | | 15.00 | | | | |
| 26 | 10 | 13 | 2.36 | | | 30.68 | | | | |
| 27 | 10 | 26 | 2.76 | | | 71.76 | | | | |
| 28 | 10 | 13 | 2.78 | | | 36.14 | | | | |
| 29 | 10 | 13 | 2.26 | | | 29.38 | | | | |
| 30 | 16 | 4 | 2.15 | | | | | 8.60 | | |
| 31 | 16 | 4 | 2.60 | | | | | 10.40 | | |
| 32 | 16 | 4 | 2.00 | | | | | 8.00 | | |
| 33 | 16 | 14 | 2.00 | | | | | 28.00 | | |
| 34 | 16 | 6 | 2.50 | | | | | 15.00 | | |
| 35 | 16 | 2 | 2.50 | | | | | 5.00 | | |
| Lungimi /o | m | | | 0.00 | 0.00 | 2164.01 | 0.00 | 2056.28 | 56.25 | 72.20 |
| Masa totala / ml | m | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /o | m | | | 0.00 | 0.00 | 1335.19 | 0.00 | 3245.50 | 138.71 | 278.19 |
| **TOTAL kg** | | | | **4998.00** | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

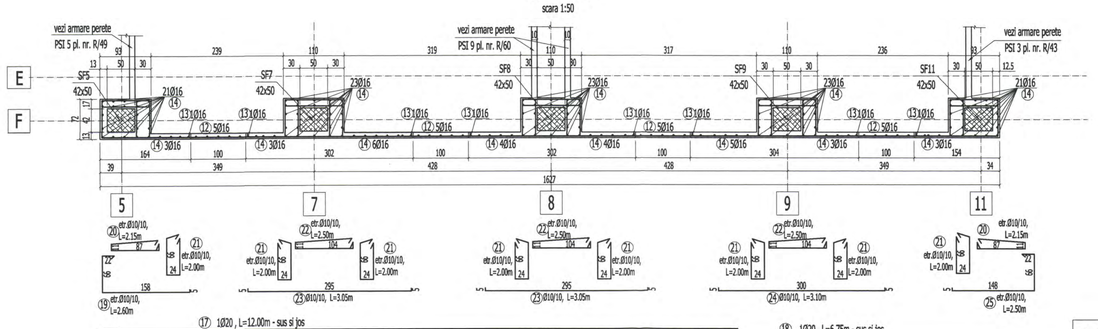
### Sectiunea 1 - 1 - talpa fundare -2.80

scara 1:50



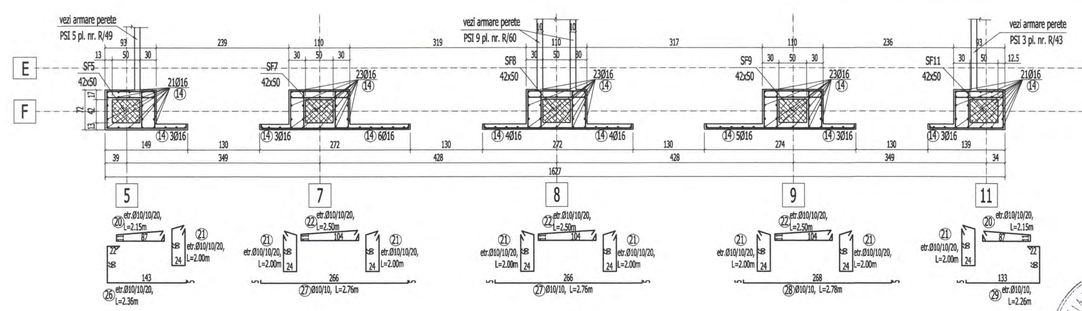

### Sectiunea 2 - 2

scara 1:50



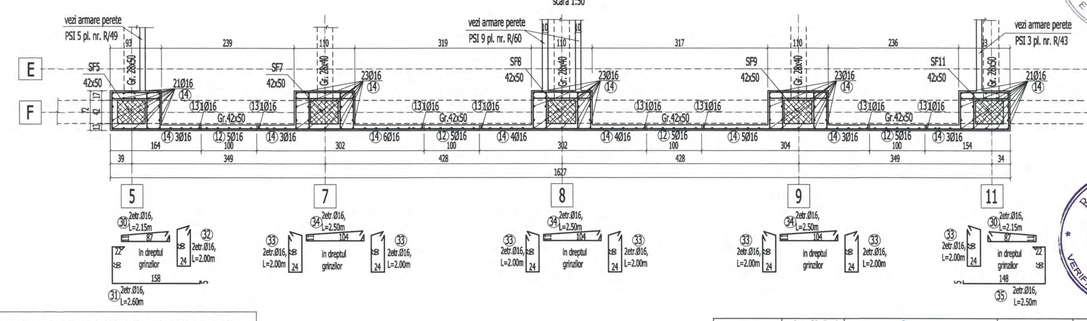

### Sectiunea 4 - 4

scara 1:50




### Sectiunea 3 - 3

scara 1:50




1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/19 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan cofraj
- R/21 - Elevatie si sectiuni perete structural PSC 2. Plan cofraj
- R/22 - Elevatie si sectiuni perete structural PSC 2. Plan armare

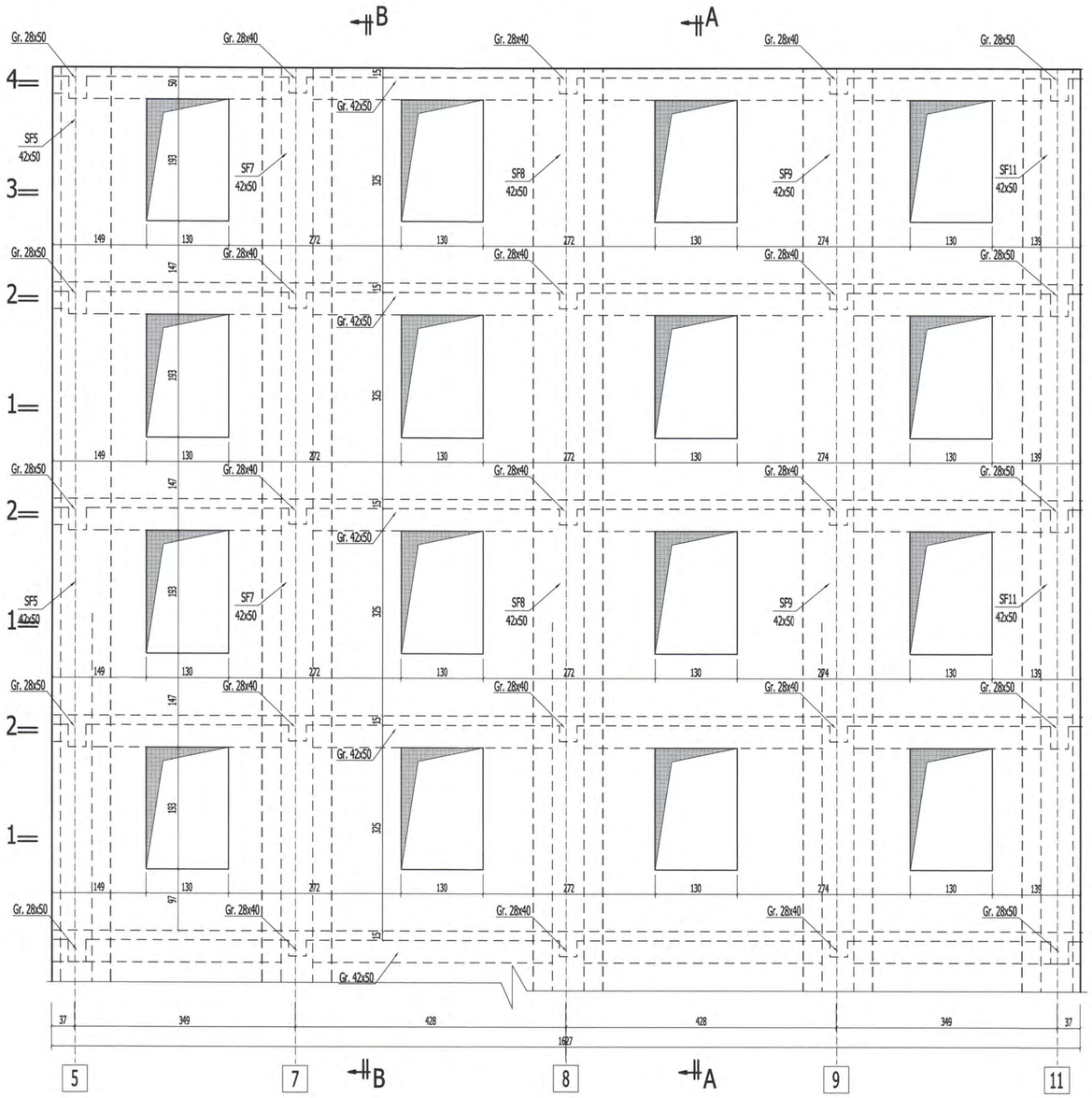
| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE BDV Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5 - 11 - subsol + parter -PLAN ARMARE- | Plansa: R/20 |
| DESENAT | ing. A. Pruna | | | | |

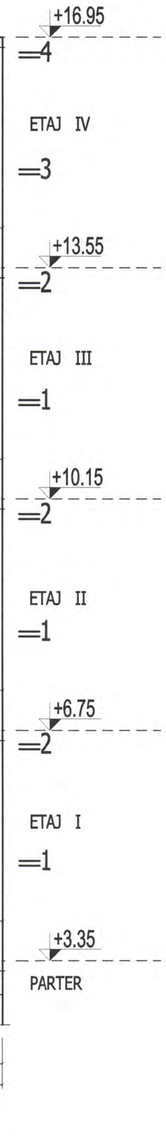
NEAMT U. MARTURIM C. ROMANIA JUDET NEAMT-DOLJ NR. 95 A1 - A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROM NR. 2017 A1, A2, A3, A4, A5, A6 INGINER VERIFICATOR PROIECTE

# ELEVATIE PERETE PSC 2 AX F /5 - 11 - cofraj

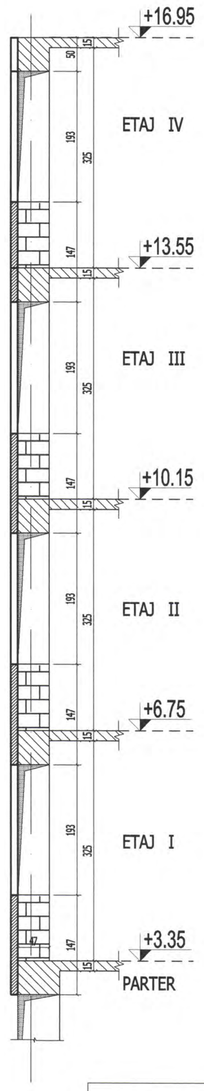
scara 1:50



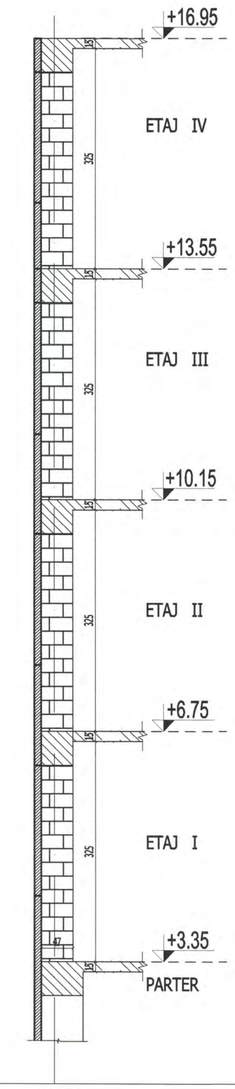

SECTIUNE A - A - cofraj

scara 1:50




SECTIUNE B - B - cofraj

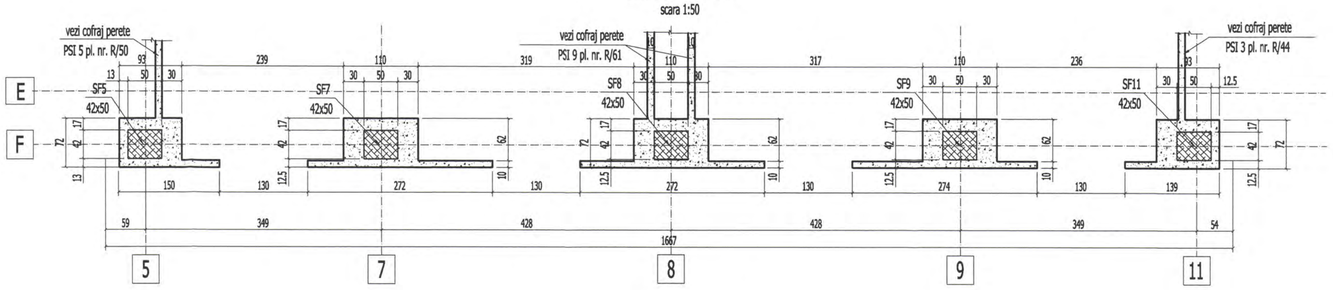
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

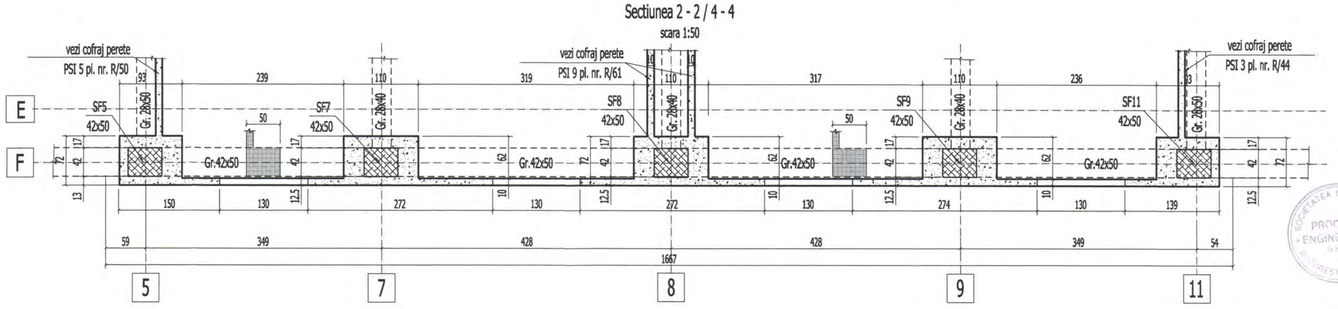
## Sectiunea 1 - 1 / 3 - 3

scara 1:50




## Sectiunea 2 - 2 / 4 - 4

scara 1:50




1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciardat.

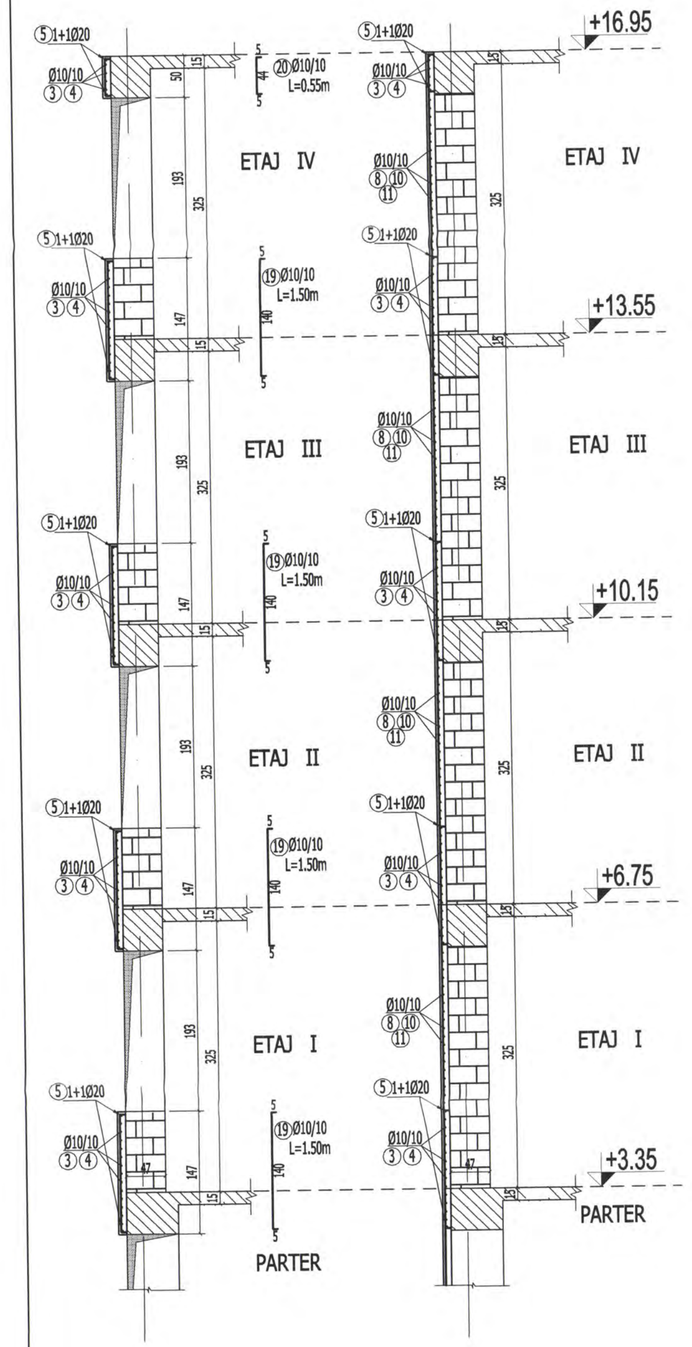
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/19 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan cofraj
- R/20 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan armare
- R/22 - Elevatie si sectiuni perete structural PSC 2. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | |
|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5 - 11 -PLAN COFRAJ - | Plansa: R/21 |
| DESENAT | ing. A. Pruna | | | | |

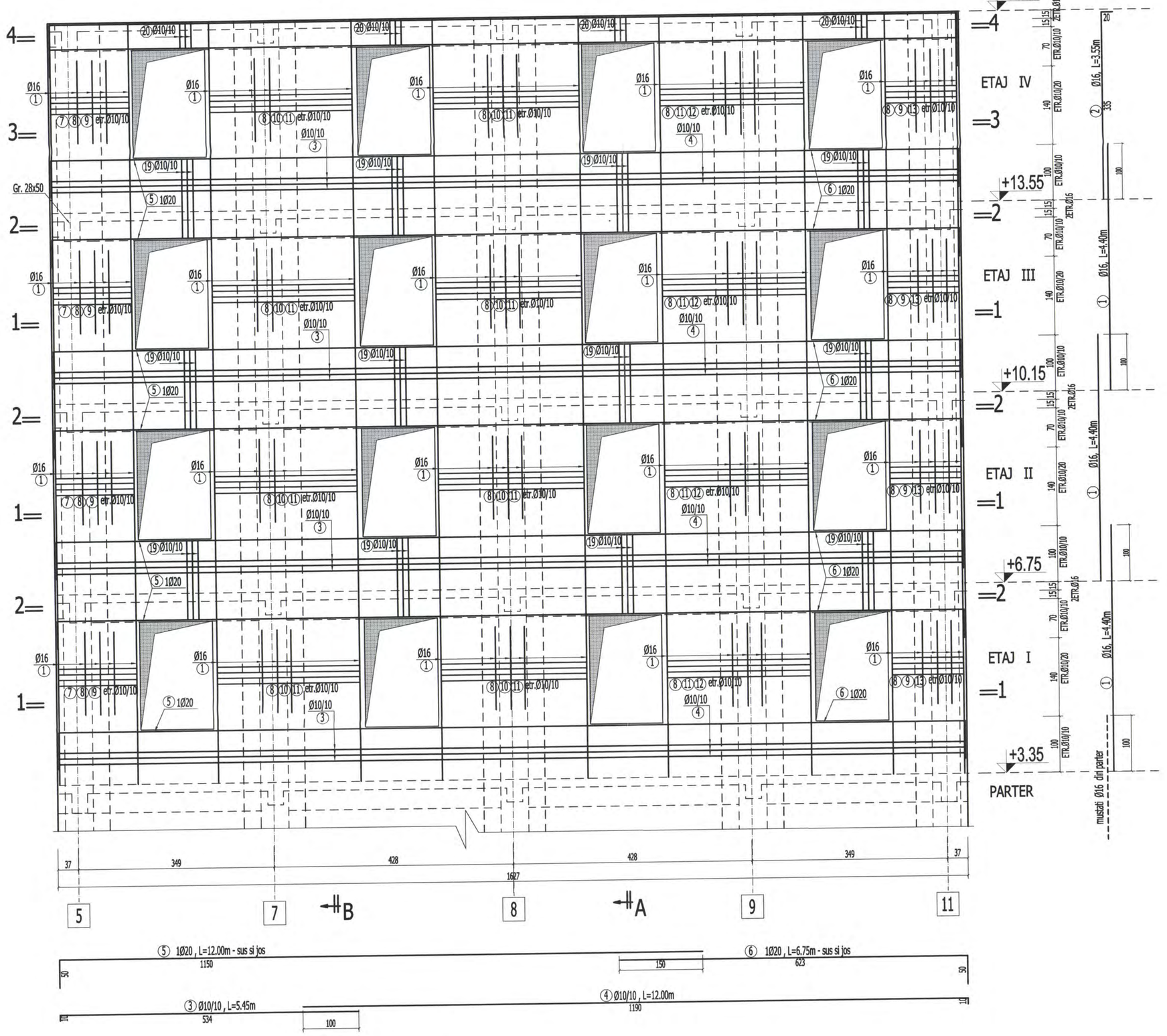
SECTIUNE A - A - cofraj
scara 1:50

SECTIUNE B - B - cofraj
scara 1:50




# ELEVATIE PERETE PSC 2 AX F/5 - 11 - ARMARE

scara 1:50







BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

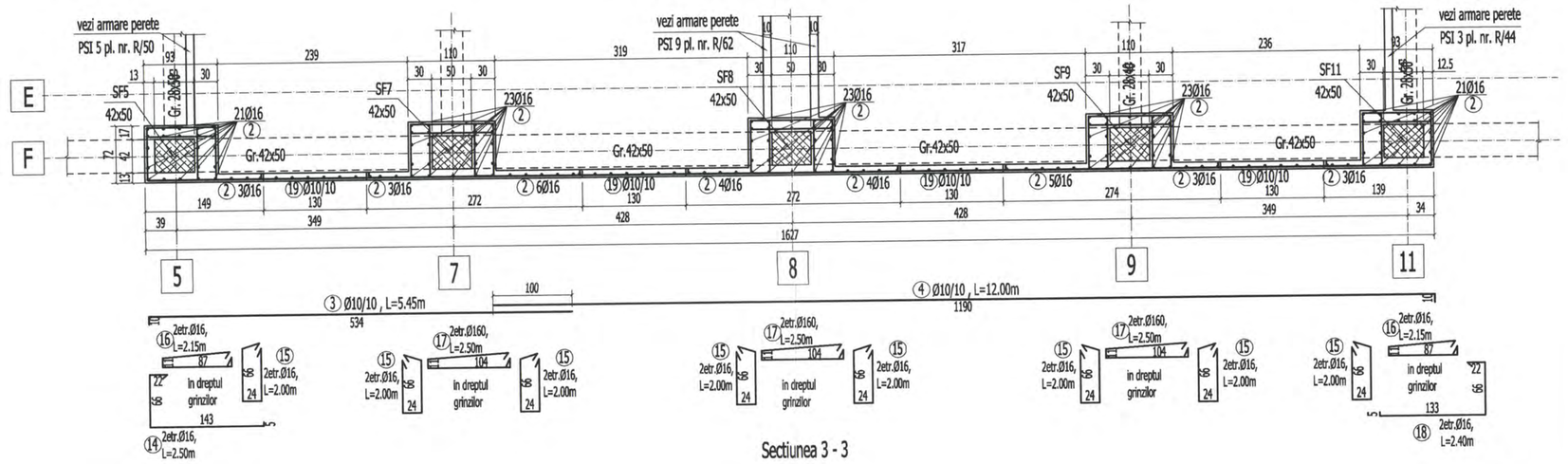
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/19 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan cofraj
- R/20 - Elevatie si sectiuni perete structural PSC 2. Subsol si parter. Plan armare
- R/21 - Elevatie si sectiuni perete structural PSC 2. Plan cofraj

**R/22 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5-11**

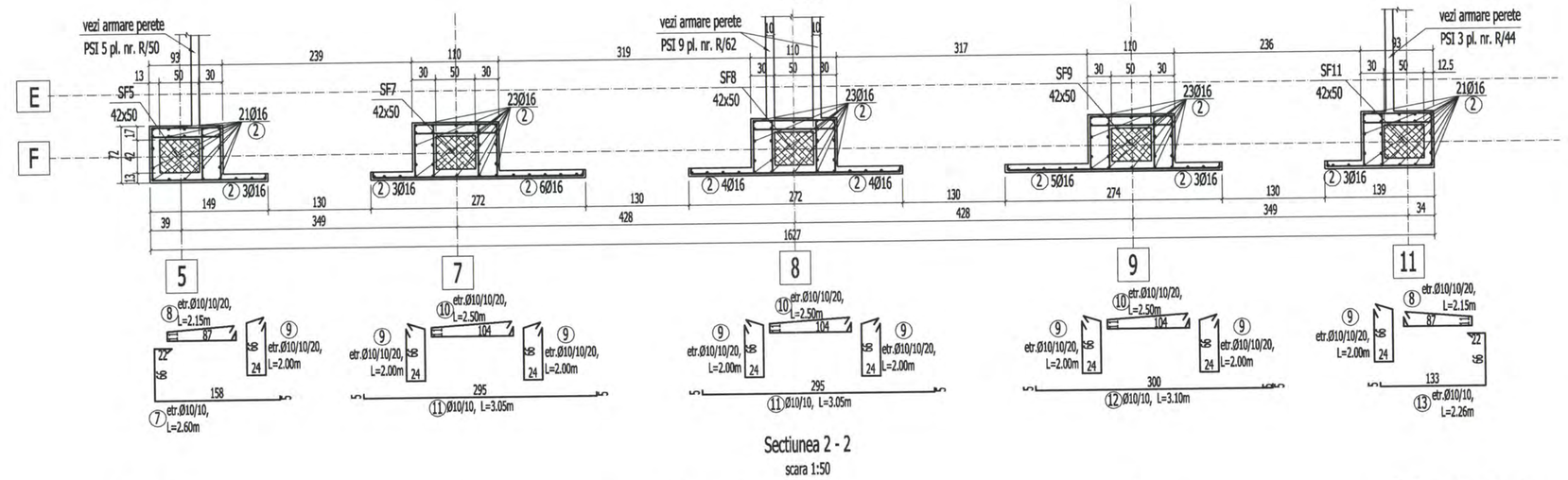
**PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 | | | PC52 | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 16 | 426 | 4.40 | | | | | 1874.40 | | |
| 2 | 16 | 142 | 3.55 | | | | | 504.10 | | |
| 3 | 10 | 60 | 5.45 | | | 327.00 | | | | |
| 4 | 10 | 60 | 12.00 | | | 720.00 | | | | |
| 5 | 20 | 9 | 12.00 | | | | | | 108.00 | |
| 6 | 20 | 9 | 6.75 | | | | | | 60.75 | |
| 7 | 10 | 130 | 2.60 | | | 338.00 | | | | |
| 8 | 10 | 192 | 2.15 | | | 412.80 | | | | |
| 9 | 10 | 768 | 2.00 | | | 1536.00 | | | | |
| 10 | 10 | 288 | 2.50 | | | 720.00 | | | | |
| 11 | 10 | 192 | 3.05 | | | 585.60 | | | | |
| 12 | 10 | 96 | 3.10 | | | 297.60 | | | | |
| 13 | 10 | 130 | 2.26 | | | 293.80 | | | | |
| 14 | 16 | 8 | 2.50 | | | | | 20.00 | | |
| 15 | 16 | 64 | 2.00 | | | | | 128.00 | | |
| 16 | 16 | 32 | 2.15 | | | | | 68.80 | | |
| 17 | 16 | 24 | 2.50 | | | | | 60.00 | | |
| 18 | 16 | 8 | 2.40 | | | | | 19.20 | | |
| 19 | 10 | 208 | 1.50 | | | 312.00 | | | | |
| 20 | 10 | 52 | 0.55 | | | 28.60 | | | | |
| Lungimi /o m | | | | 0.00 | 0.00 | 5571.40 | 0.00 | 2674.50 | 168.75 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /o m | | | | 0.00 | 0.00 | 3437.55 | 0.00 | 4221.26 | 416.14 | 0.00 |
| **TOTAL kg** | | | | **8075.00** | | | | | | |

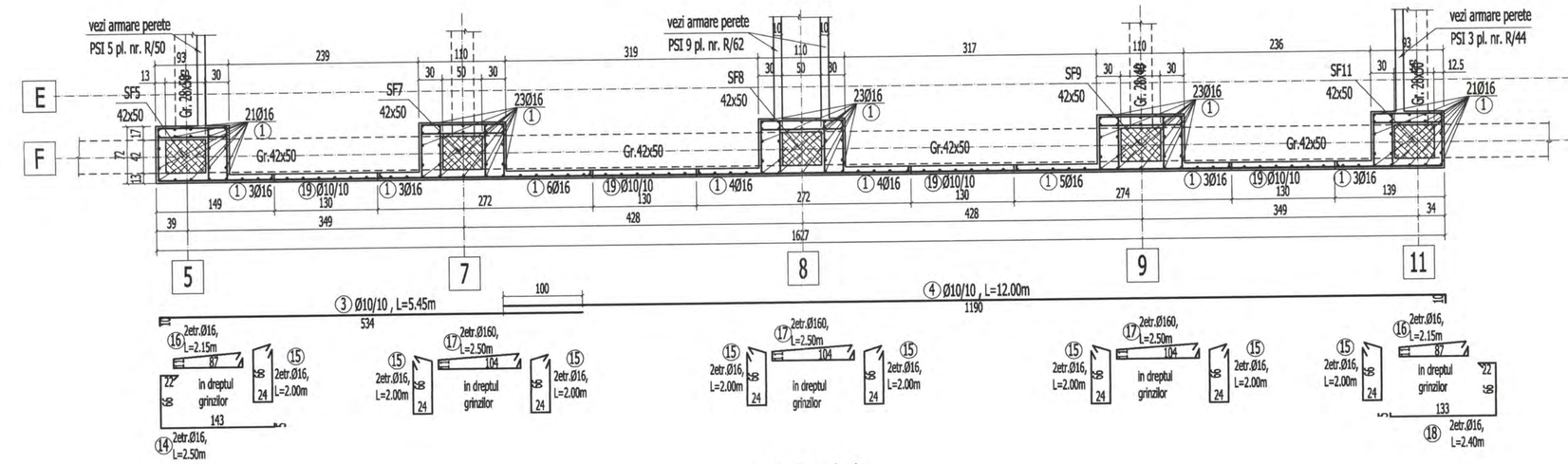
Sectiunea 4 - 4
scara 1:50



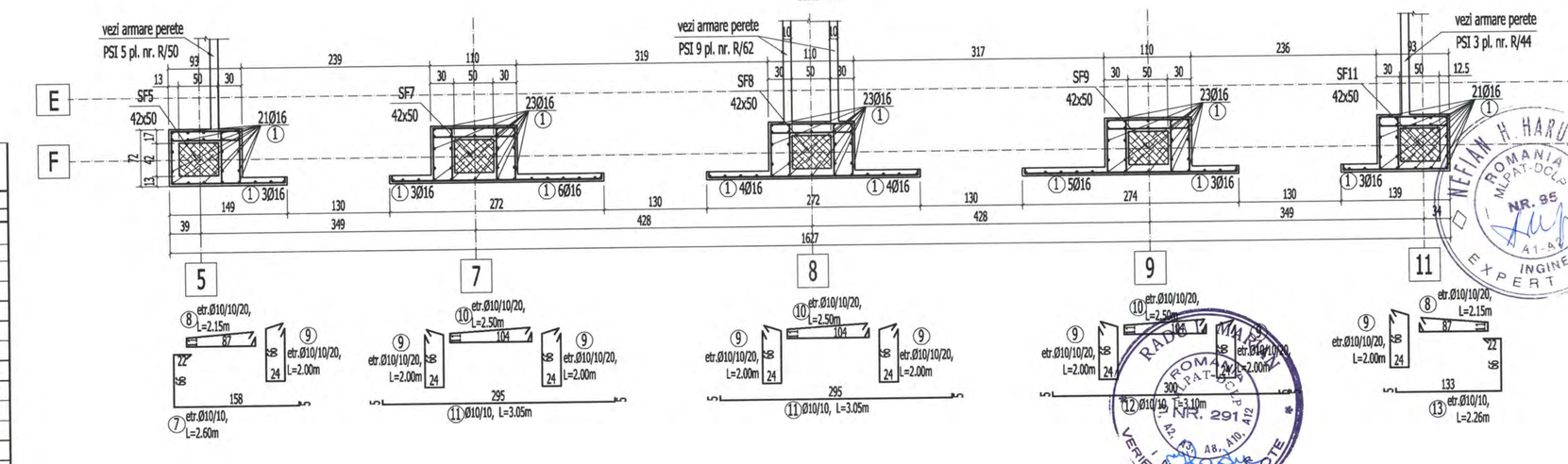

Sectiunea 3 - 3
scara 1:50




Sectiunea 2 - 2
scara 1:50



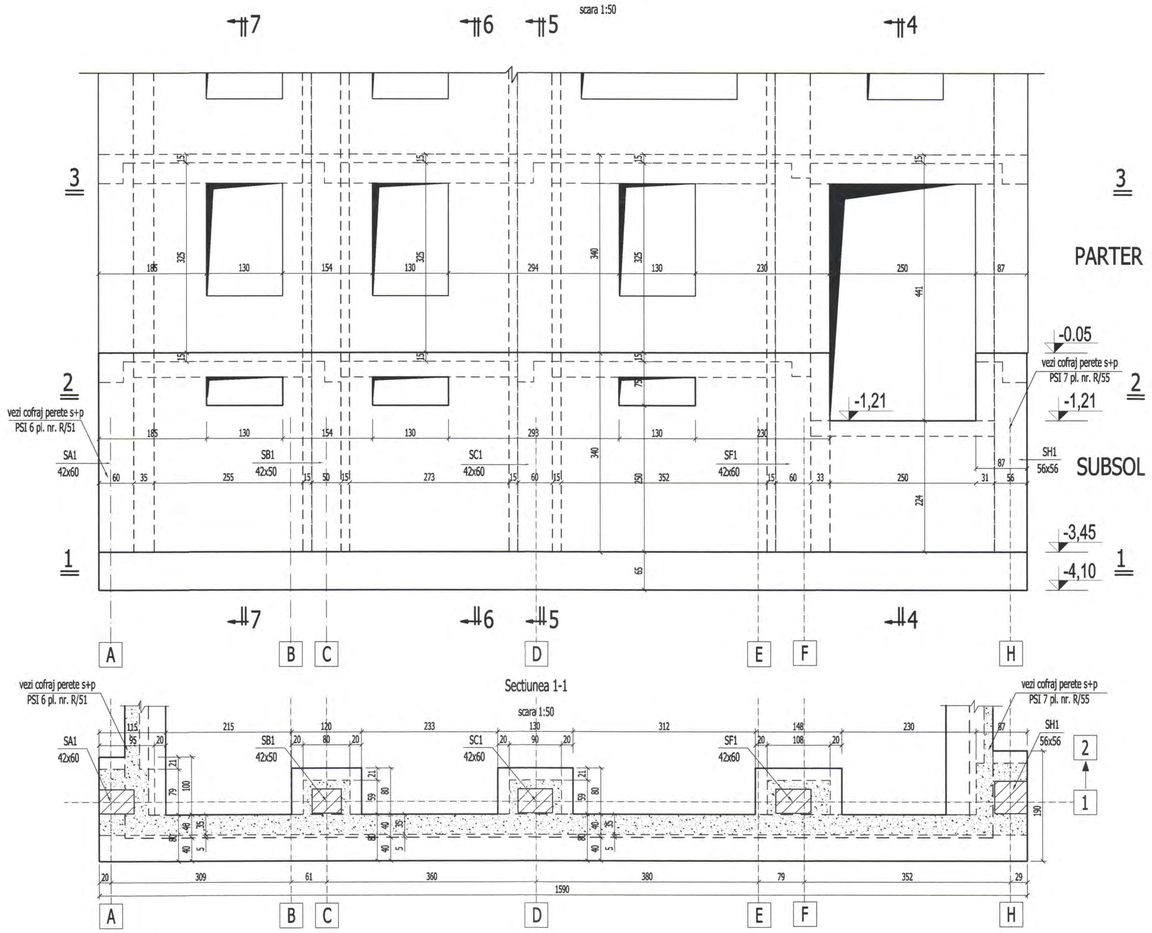

Sectiunea 1 - 1
scara 1:50




| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| NUME | SEMNATURA | | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 | |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE MM Bdul. H. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Faza A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 2 AX F / 5 - 11 -PLAN ARMARE - | Plansa: R/22 |
| DESENAT | Ing. A. Pruna | | | | |

## GRINDA DE FUNDATIE PERETE PSC 3

scara 1:50



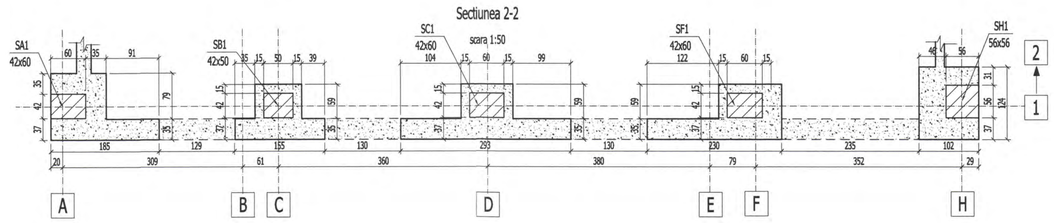

## Sectiunea 1-1

scara 1:50



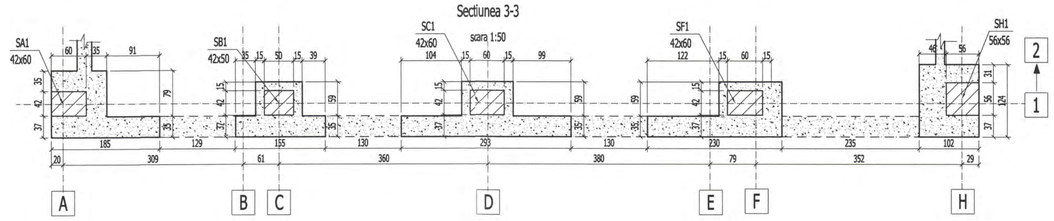

## Sectiunea 2-2

scara 1:50



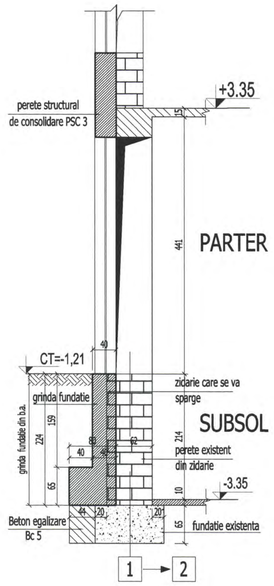

## Sectiunea 3-3

scara 1:50



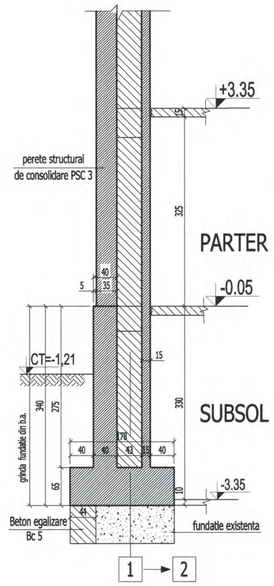

## SECTIUNE 4 - 4 COFRAJ

scara 1:50



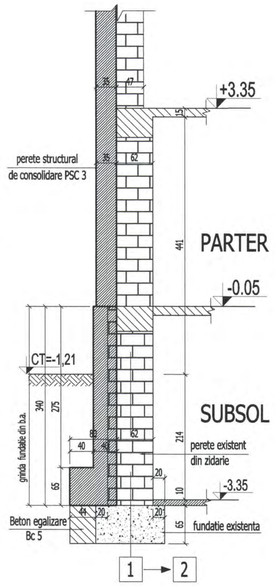

## SECTIUNE 5 - 5 COFRAJ

scara 1:50



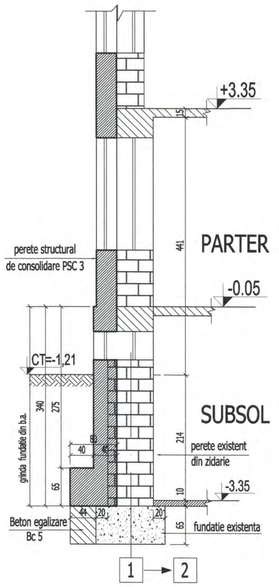

## SECTIUNE 6 - 6 COFRAJ

scara 1:50




## SECTIUNE 7 - 7 COFRAJ

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/24 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan armare
- R/25 - Elevatie si sectiuni perete structural PSC 3. Plan cofraj
- R/26 - Elevatie si sectiuni perete structural PSC 3. Plan armare

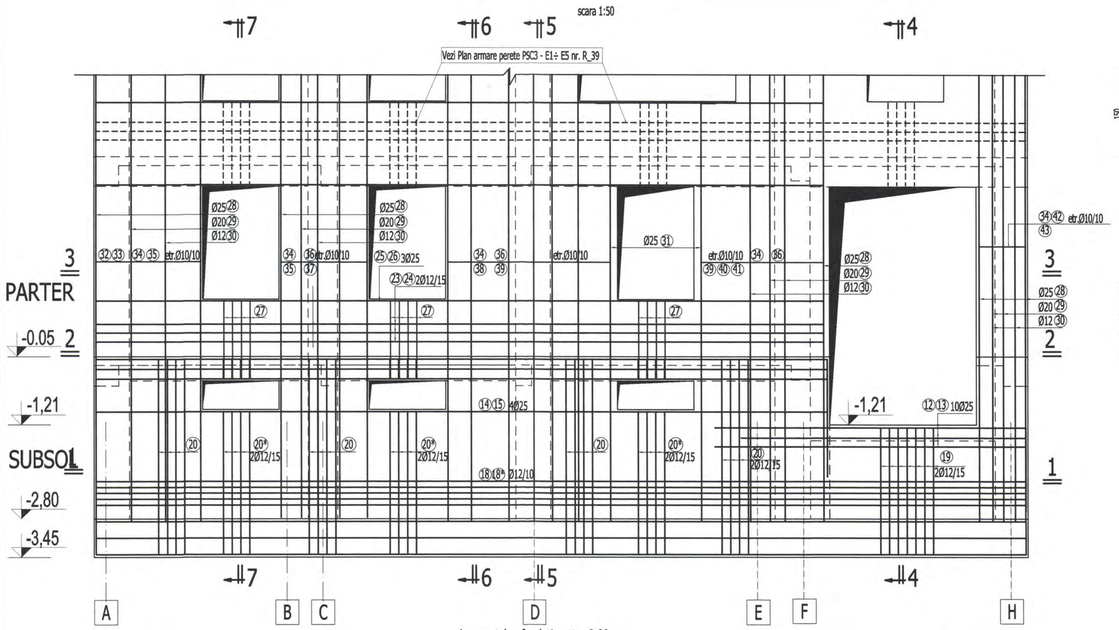
RADU I. MARIAN ROMANIA MUNICIPIUL BUCUREŞTI Nr. 201 A3, A8, A9, A10 INGINER VERIFICATOR PROIECTE

NEFTIAN H. HARUTIUN ROMANIA MUNICIPIUL BUCUREŞTI Nr. 95 A1, A2 INGINER EXPERT TEHNIC

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 382/ 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATII SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 / A-H . SUBSOL SI PARTER -PLAN COFRAJ - | Plansa: R/23 |
| DESENAT | Ing. A. Pruna | | | | |

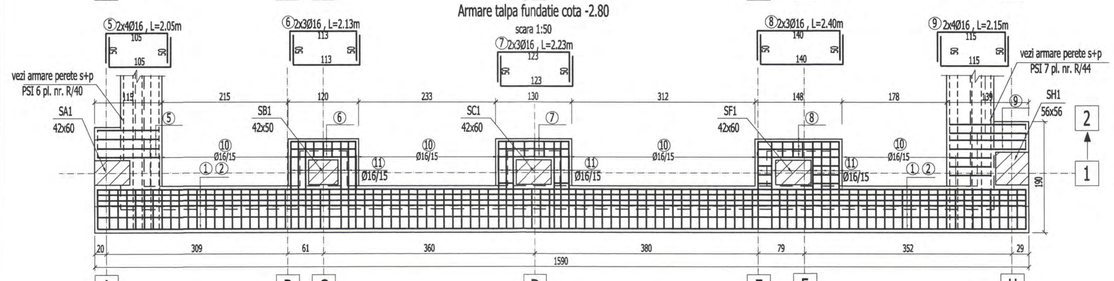
## GRINDA DE FUNDATIE PERETE PSC 1

scara 1:50

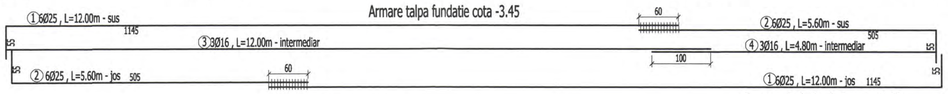



### Armare talpa fundatie cota -2.80

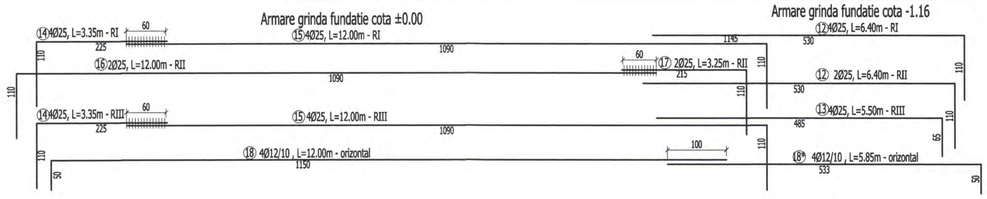
scara 1:50



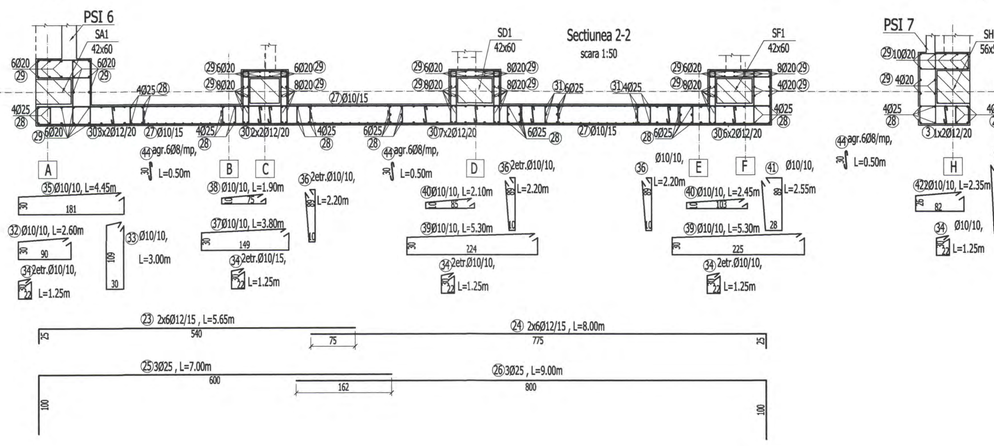

### Armare talpa fundatie cota -3.45



### Armare grinda fundatie cota ±0.00



### Armare grinda fundatie cota -1.16



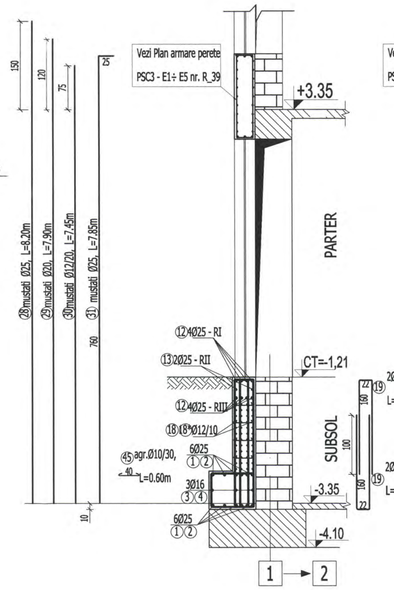
### Sectiunea 2-2

scara 1:50



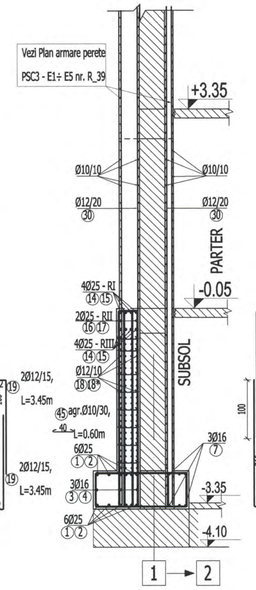

### SECTIUNE 4 - 4 COFRAJ

scara 1:50



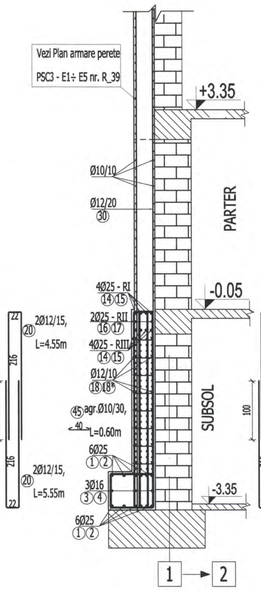

### SECTIUNE 5 - 5 COFRAJ

scara 1:50



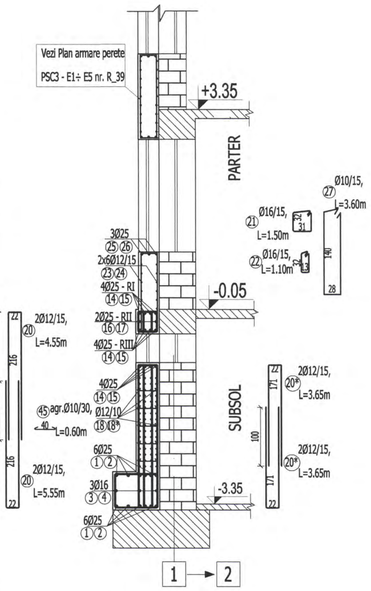

### SECTIUNE 6 - 6 COFRAJ

scara 1:50



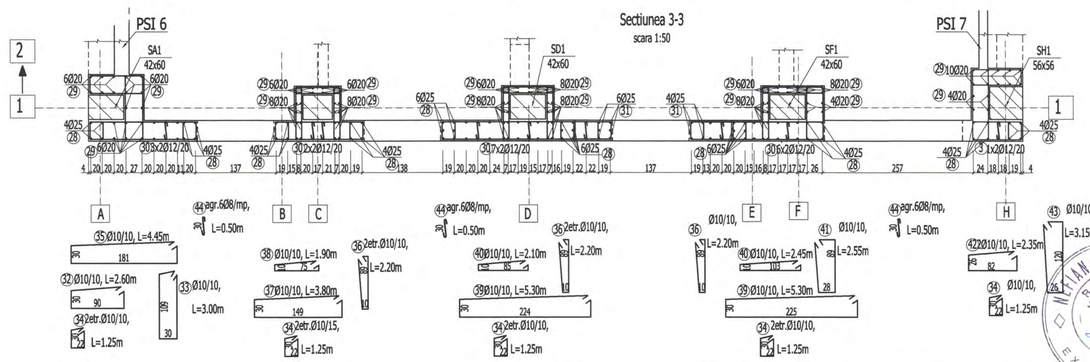

### SECTIUNE 7 - 7 COFRAJ

scara 1:50



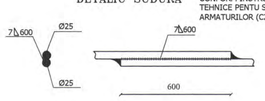

### Sectiunea 3-3

scara 1:50




### DETALIU SUDURA

CONFORM INSTRUCTIUNI TEHNICE PENTU SUDAREA ARMATURILOR (C28-86)



### R/24 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 / A - H /

**SUBSOL SI PARTER . PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 Φ 6 | Φ 8 | Φ 10 | Pc52 Φ 12 | Φ 16 | Φ 20 | Φ 25 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25 | 12 | 12.00 | | | | | | | 144.00 |
| 2 | 25 | 12 | 5.60 | | | | | | | 67.20 |
| 3 | 16 | 3 | 12.00 | | | | | 36.00 | | |
| 4 | 16 | 3 | 4.80 | | | | | 14.40 | | |
| 5 | 16 | 8 | 2.05 | | | | | 16.40 | | |
| 6 | 16 | 6 | 2.13 | | | | | 12.78 | | |
| 7 | 16 | 6 | 2.23 | | | | | 13.38 | | |
| 8 | 16 | 6 | 2.40 | | | | | 14.40 | | |
| 9 | 16 | 6 | 2.15 | | | | | 12.90 | | |
| 10 | 16 | 124 | 1.80 | | | | | 223.20 | | |
| 11 | 16 | 36 | 2.60 | | | | | 93.60 | | |
| 12 | 25 | 6 | 6.40 | | | | | | | 38.40 |
| 13 | 25 | 4 | 5.50 | | | | | | | 22.00 |
| 14 | 25 | 8 | 3.35 | | | | | | | 26.80 |
| 15 | 25 | 8 | 12.00 | | | | | | | 96.00 |
| 16 | 25 | 2 | 12.00 | | | | | | | 24.00 |
| 17 | 25 | 2 | 3.25 | | | | | | | 6.50 |
| 18 | 12 | 88 | 12.00 | | | | 1056.00 | | | |
| 18* | 12 | 88 | 5.85 | | | | 514.80 | | | |
| 19 | 12 | 64 | 3.45 | | | | 220.80 | | | |
| 20 | 12 | 228 | 4.55 | | | | 1037.40 | | | |
| 20* | 12 | 104 | 3.65 | | | | 379.60 | | | |
| 21 | 16 | 27 | 1.50 | | | | | 40.50 | | |
| 22 | 16 | 27 | 1.10 | | | | | 29.70 | | |
| 23 | 12 | 12 | 5.65 | | | | 67.80 | | | |
| 24 | 12 | 12 | 8.00 | | | | 96.00 | | | |
| 25 | 25 | 6 | 7.00 | | | | | | | 42.00 |
| 26 | 25 | 6 | 9.00 | | | | | | | 54.00 |
| 27 | 10 | 27 | 3.60 | | 97.20 | | | | | |
| 28 | 25 | 46 | 8.20 | | | | | | | 377.20 |
| 29 | 20 | 116 | 7.90 | | | | | | 916.40 | |
| 30 | 12 | 24 | 7.45 | | | | 178.80 | | | |
| 31 | 25 | 10 | 7.85 | | | | | | | 78.50 |
| 32 | 10 | 34 | 2.60 | | 88.40 | | | | | |
| 33 | 10 | 34 | 3.00 | | 102.00 | | | | | |
| 34 | 10 | 306 | 1.25 | | 382.50 | | | | | |
| 35 | 10 | 34 | 4.45 | | 151.30 | | | | | |
| 36 | 10 | 170 | 2.20 | | 374.00 | | | | | |
| 37 | 10 | 34 | 3.80 | | 129.20 | | | | | |
| 38 | 10 | 34 | 1.90 | | 64.60 | | | | | |
| 39 | 10 | 68 | 5.30 | | 360.40 | | | | | |
| 40 | 10 | 68 | 2.10 | | 142.80 | | | | | |
| 41 | 10 | 34 | 2.55 | | 86.70 | | | | | |
| 42 | 10 | 34 | 2.35 | | 79.90 | | | | | |
| 43 | 10 | 34 | 3.15 | | 107.10 | | | | | |
| 44 | 8 | 99 | 0.50 | 49.50 | | | | | | |
| Lungime / m | | | | 0.00 | 49.50 | 2166.10 | 3551.20 | 507.26 | 916.40 | 976.60 |
| Masa totala / ml | | m | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala / m | | m | | 0.00 | 19.55 | 1336.48 | 3152.81 | 800.63 | 2259.84 | 3762.84 |
| **TOTAL kg** | | | | **11333.00** | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

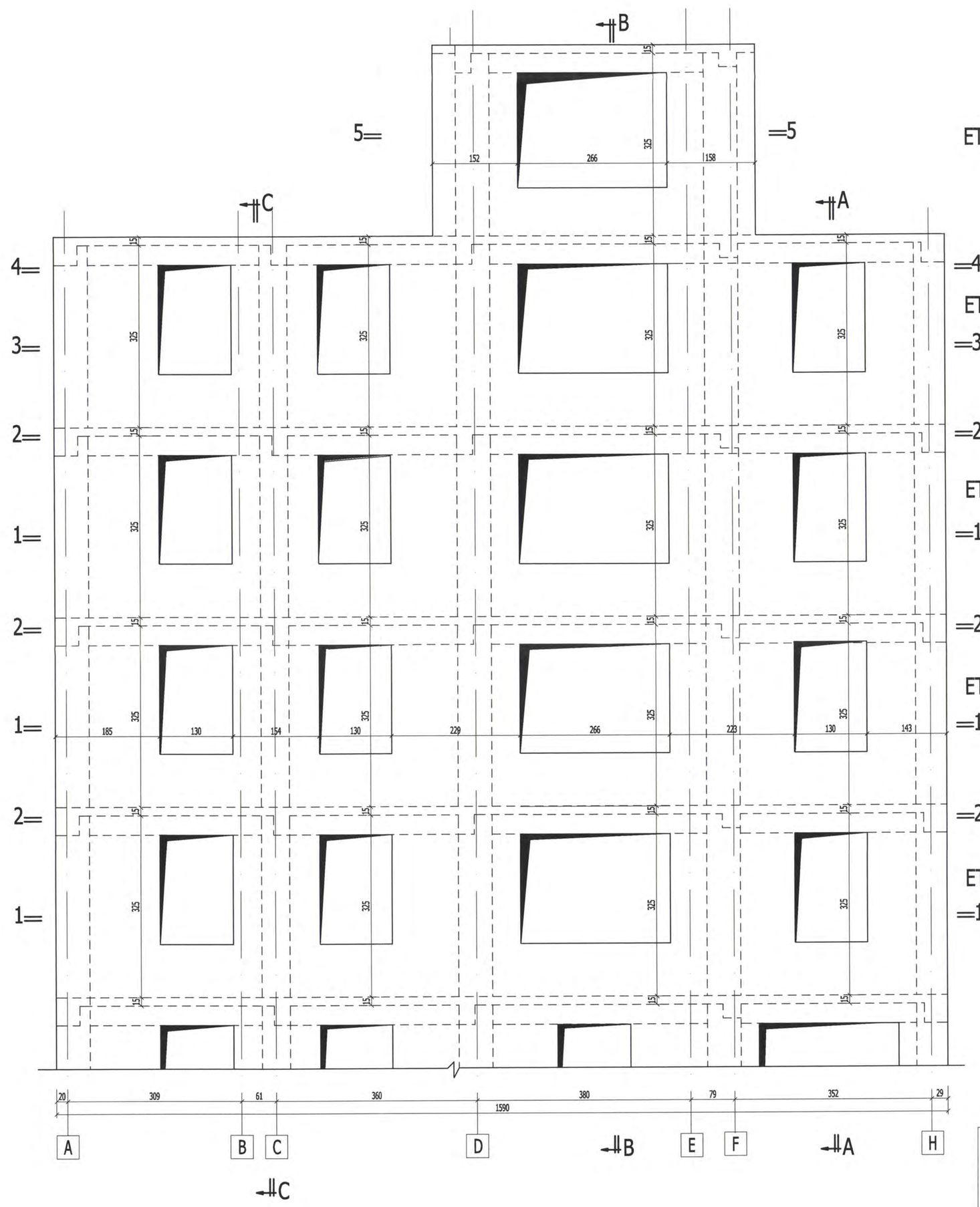
Acest plan se va citi impreuna cu planurile:
- R/23 - Plan cofraj fundatii
- R/24 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan cofraj
- R/25 - Elevatie si sectiuni perete structural PSC 3. Plan cofraj
- R/26 - Elevatie si sectiuni perete structural PSC 3. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 30/08/2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | |
|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 / A-H . SUBSOL SI PARTER -PLAN ARMARE- | Plansa: R/24 |
| DESENAT | ing. A. Pruna | | | | |

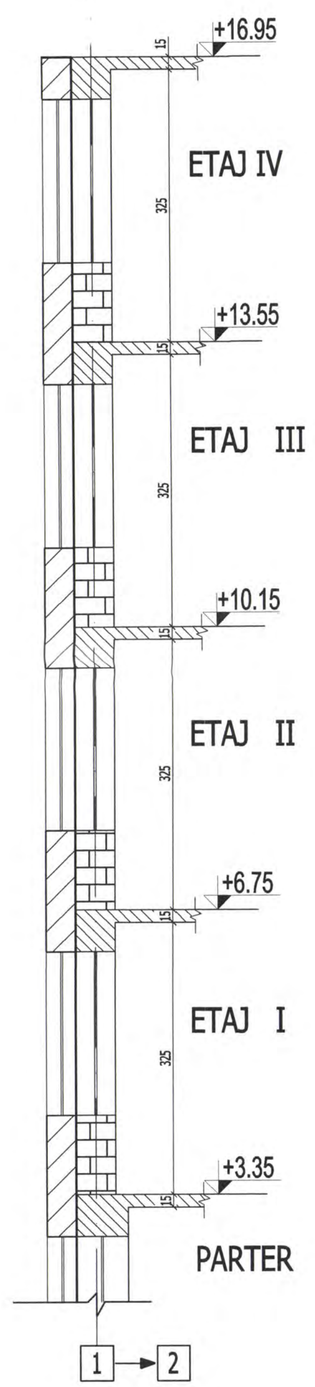
# ELEVATIE PERETE PSC 3 AX 1 /A - H - COFRAJ

scara 1:50



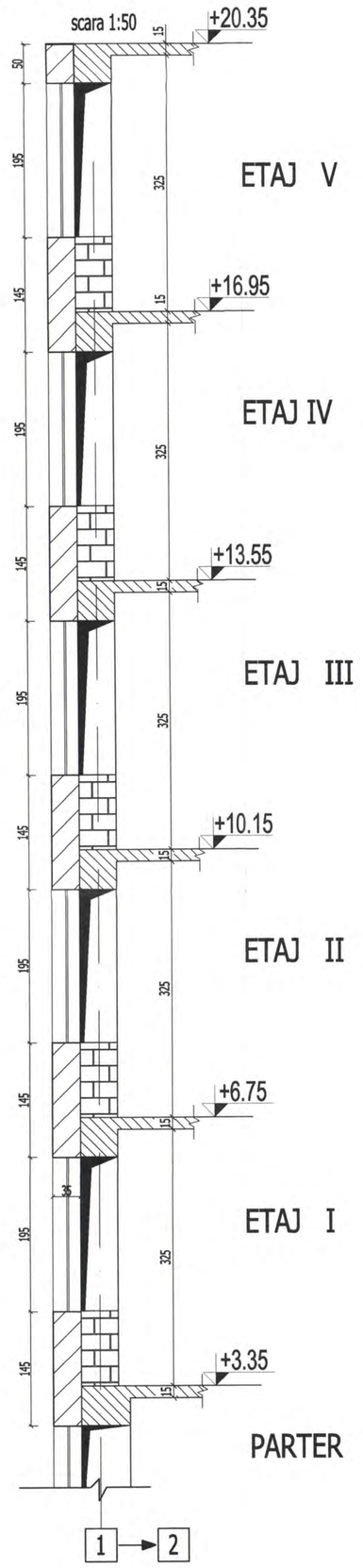

## SECTIUNE A - A COFRAJ

scara 1:50



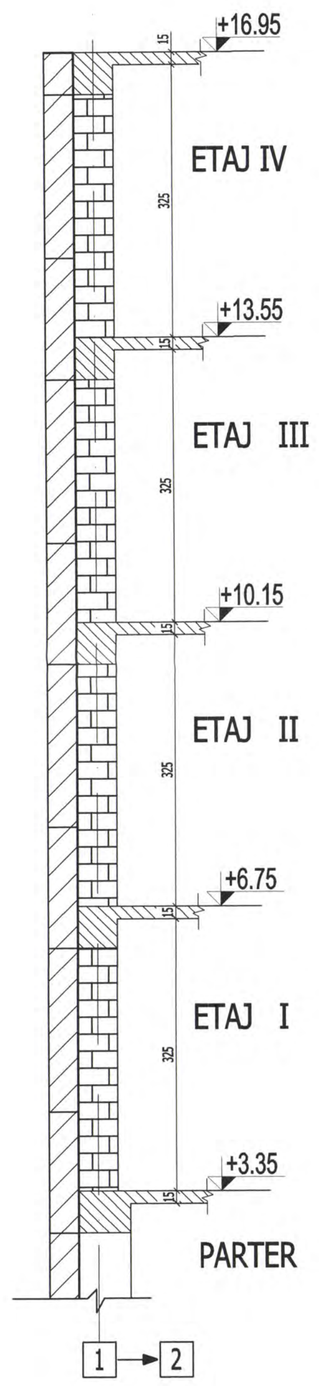

## SECTIUNE B - B COFRAJ

scara 1:50



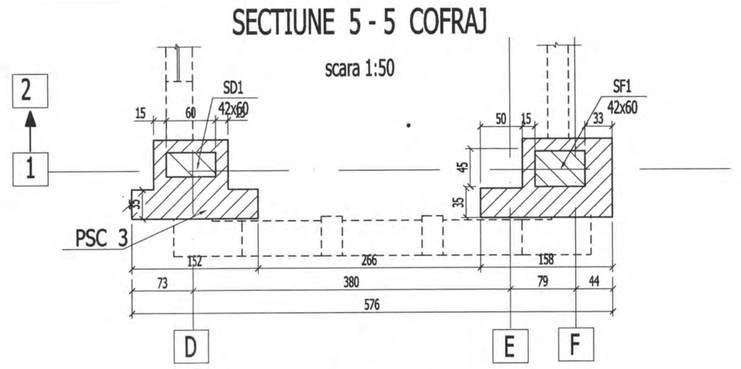

## SECTIUNE C - C COFRAJ

scara 1:50



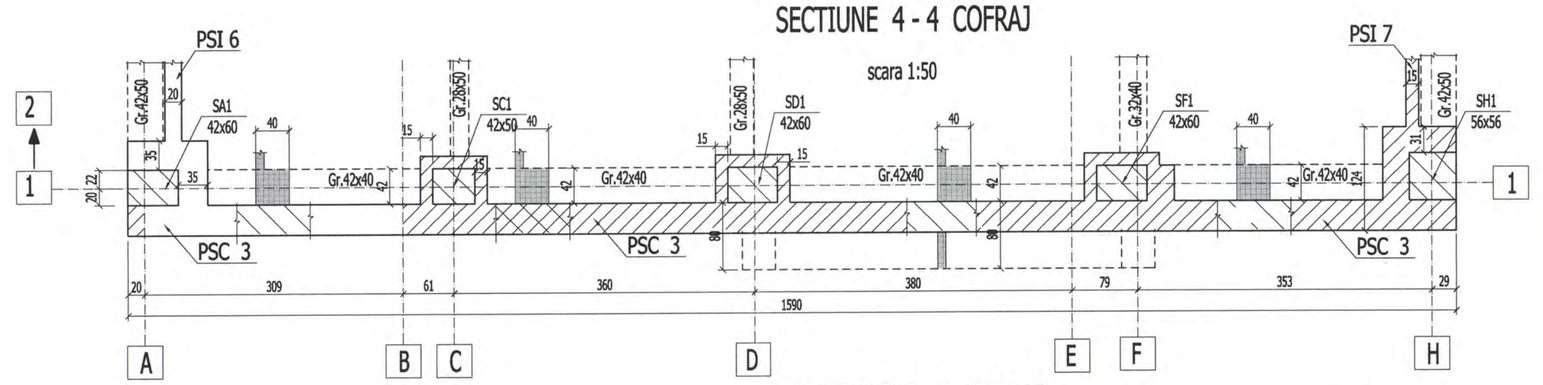

## SECTIUNE 5 - 5 COFRAJ

scara 1:50



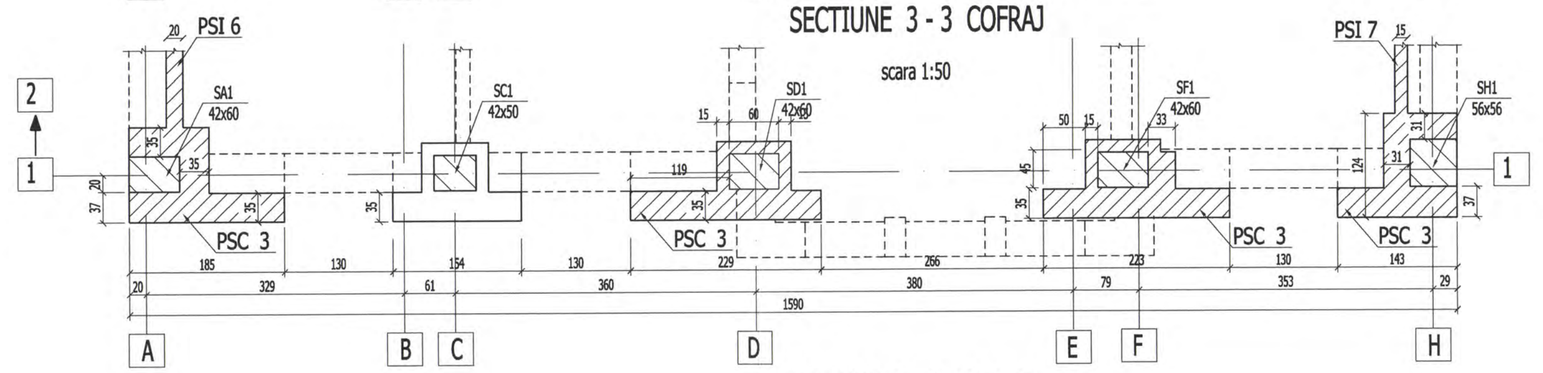

## SECTIUNE 4 - 4 COFRAJ

scara 1:50



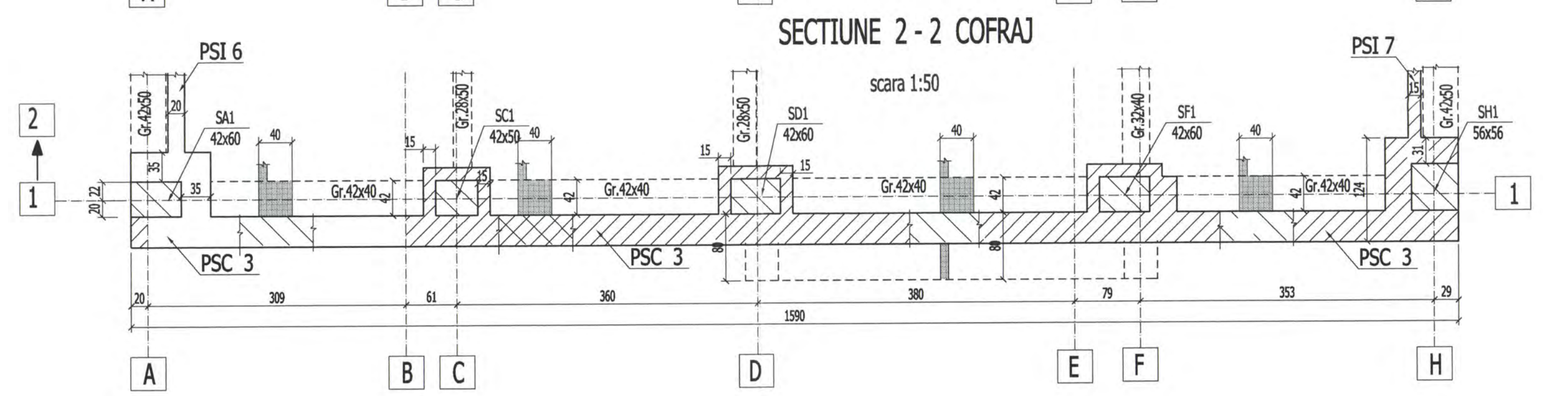

## SECTIUNE 3 - 3 COFRAJ

scara 1:50



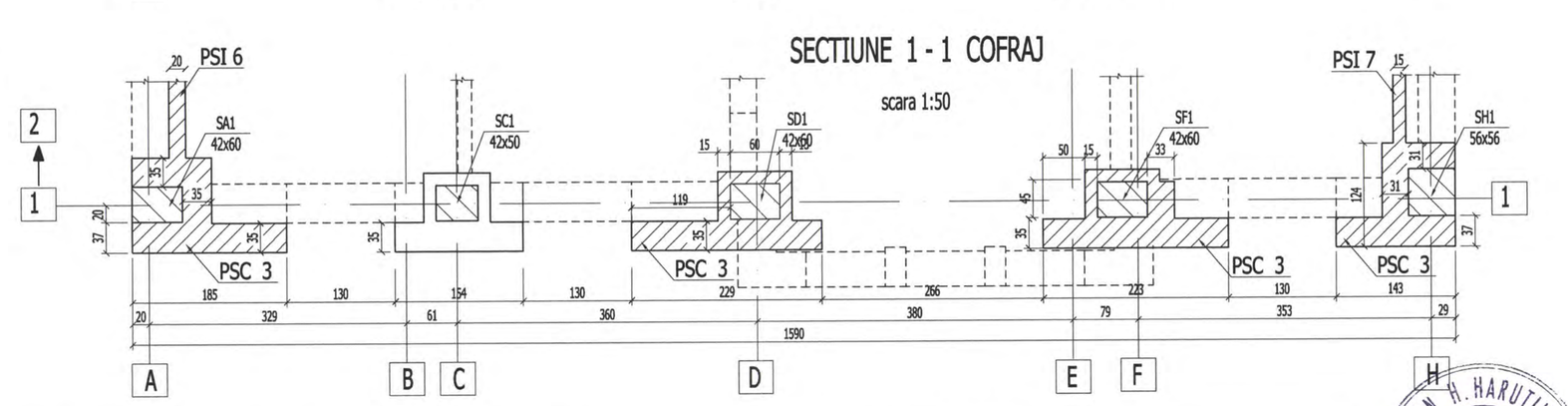

## SECTIUNE 2 - 2 COFRAJ

scara 1:50




## SECTIUNE 1 - 1 COFRAJ

scara 1:50




1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

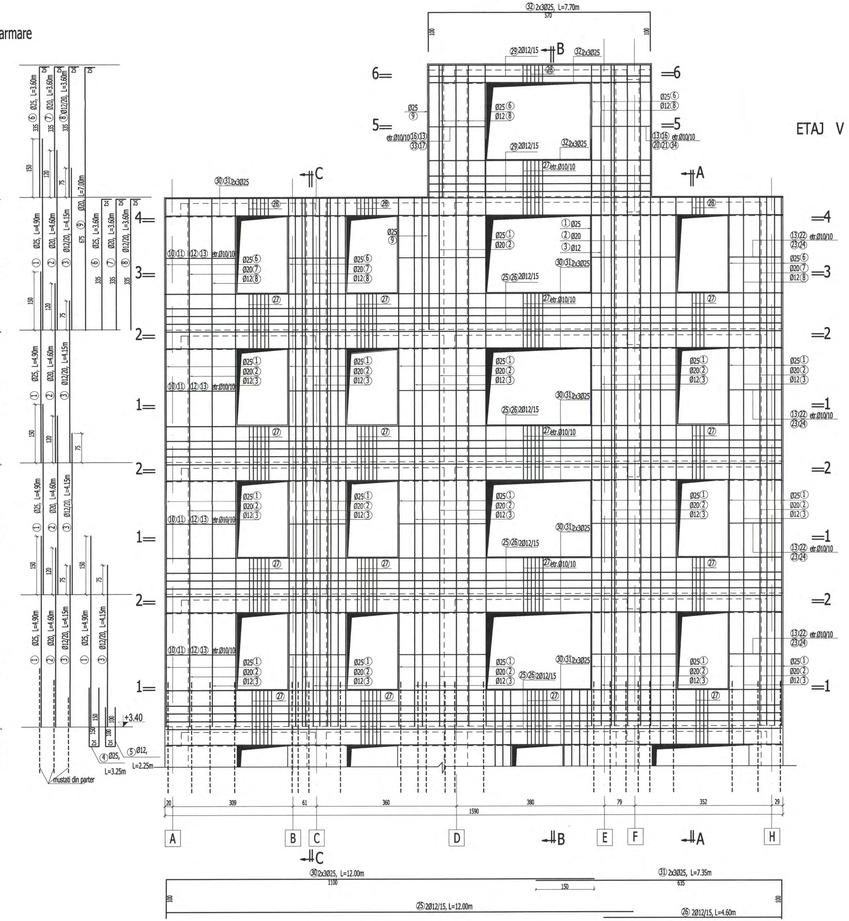
BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/23 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan cofraj
- R/24 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan armare
- R/26 - Elevatie si sectiuni perete structural PSC 3. Plan armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 385/ 08/2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATII SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 /A-H -PLAN COFRAJ- | Plansa: R/25 |
| DESENAT | Ing. A. Pruna | | | | |

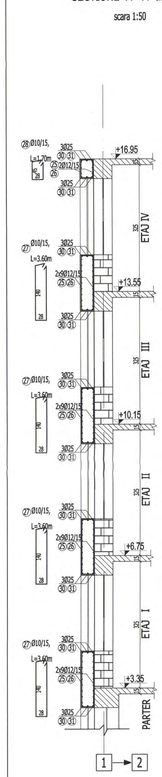
# ELEVATIE PERETE PSC 3 AX 1 /A - H - ARMARE

scara 1:50



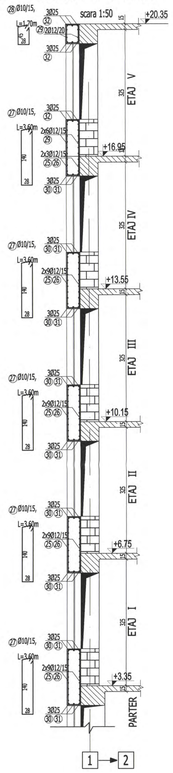

SECTIUNE A - A armare

scara 1:50



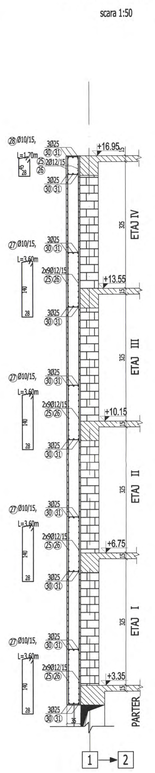

SECTIUNE B - B armare

scara 1:50




SECTIUNE C - C armare

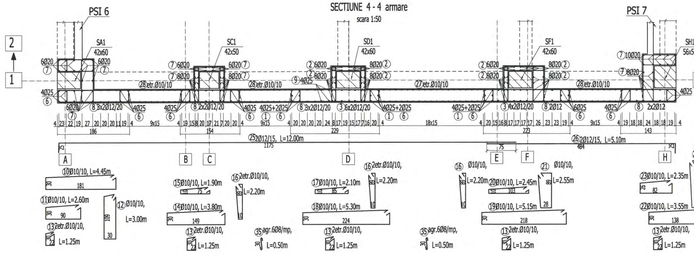
scara 1:50




1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

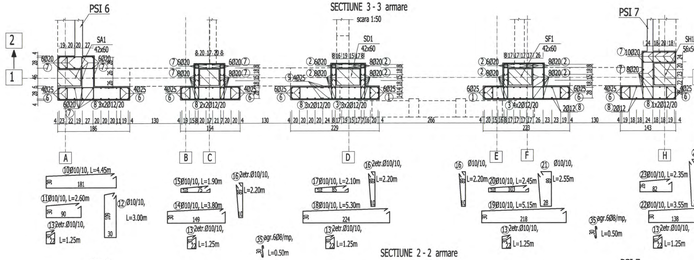
SECTIUNE 4 - 4 armare

scara 1:50



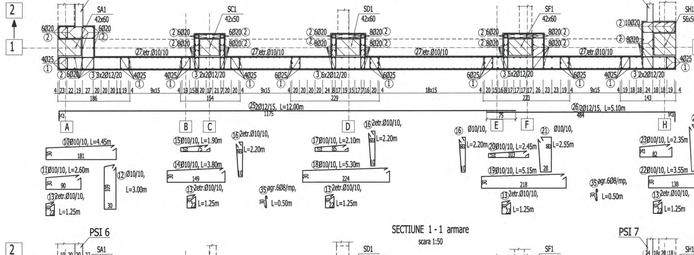

SECTIUNE 3 - 3 armare

scara 1:50



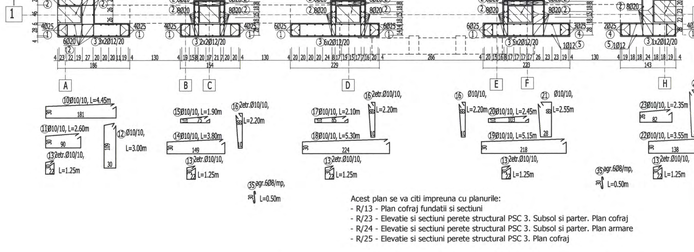

SECTIUNE 2 - 2 armare

scara 1:50




SECTIUNE 1 - 1 armare

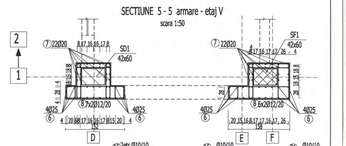
scara 1:50




Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/23 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan cofraj
- R/24 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan armare
- R/25 - Elevatie si sectiuni perete structural PSC 3. Plan cofraj

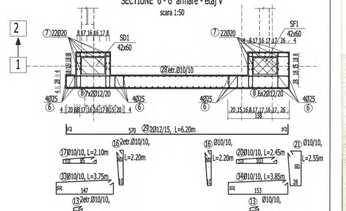
SECTIUNE 5 - 5 armare - etaj V

scara 1:50




SECTIUNE 6 - 6 armare - etaj V

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

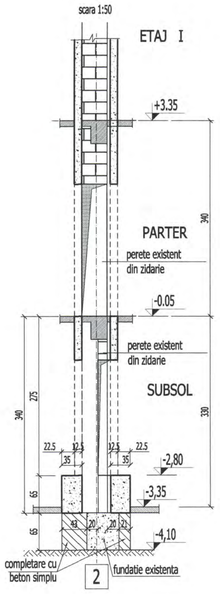
R06 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 / A - H

PLAN ARMARE

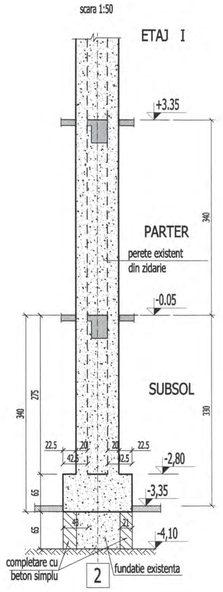
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 126 | 4.90 | | | | | | | 617.40 |
| 2 | 20 | 452 | 4.40 | | | | | | 1987.20 | |
| 3 | 12 | 116 | 4.15 | | | | 481.40 | | | |
| 4 | 25 | 5 | 3.25 | | | | | | | 16.25 |
| 5 | 12 | 2 | 2.25 | | | | 4.50 | | | |
| 6 | 25 | 52 | 3.60 | | | | | | | 187.20 |
| 7 | 20 | 108 | 3.60 | | | | | | 388.80 | |
| 8 | 12 | 50 | 3.60 | | | | 180.00 | | | |
| 9 | 20 | 4 | 7.00 | | | | | | 28.00 | |
| 10 | 12 | 136 | 4.45 | | | | 605.20 | | | |
| 11 | 10 | 136 | 2.60 | | | | 353.60 | | | |
| 12 | 10 | 136 | 3.00 | | | | 408.00 | | | |
| 13 | 10 | 1462 | 1.25 | | | | 1827.50 | | | |
| 14 | 10 | 136 | 3.80 | | | | 516.80 | | | |
| 15 | 10 | 136 | 1.90 | | | | 258.40 | | | |
| 16 | 10 | 392 | 2.20 | | | | 1730.40 | | | |
| 17 | 10 | 270 | 2.10 | | | | 567.00 | | | |
| 18 | 10 | 136 | 5.30 | | | | 720.80 | | | |
| 19 | 10 | 136 | 5.15 | | | | 700.40 | | | |
| 20 | 10 | 170 | 2.45 | | | | 416.50 | | | |
| 21 | 10 | 170 | 2.55 | | | | 433.50 | | | |
| 22 | 10 | 136 | 3.55 | | | | 482.80 | | | |
| 23 | 10 | 136 | 2.35 | | | | 319.60 | | | |
| 24 | 10 | 34 | 3.15 | | | | 107.10 | | | |
| 25 | 12 | 72 | 12.00 | | | | | 864.00 | | |
| 26 | 12 | 72 | 4.60 | | | | | 331.20 | | |
| 27 | 10 | 194 | 3.60 | | | | 698.40 | | | |
| 28 | 10 | 27 | 1.70 | | | | 45.90 | | | |
| 29 | 12 | 18 | 6.30 | | | | 111.60 | | | |
| 30 | 25 | 30 | 12.00 | | | | | | | 360.00 |
| 31 | 25 | 30 | 7.35 | | | | | | | 220.50 |
| 32 | 25 | 9 | 7.70 | | | | | | | 69.30 |
| 33 | 10 | 34 | 3.75 | | | | 127.50 | | | |
| 34 | 10 | 34 | 3.85 | | | | 130.90 | | | |
| 35 | 8 | 405 | 0.50 | 202.50 | | | | | | |
| TOTAL OB37 | | | m | 0.00 | 202.50 | 1020.30 | 1972.70 | 0.00 | 2404.00 | 1470.65 |
| TOTAL PC52 | | | m | 0.222 | 0.393 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| | | | kg | 0.00 | 79.59 | 629.12 | 1751.39 | 0.00 | 5928.26 | 5666.41 |
| TOTAL GENERAL | | | kg | 19739.00 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 382/05.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. BUCUREŞTI | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCUREŞTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE Str. Rad. Gr. VOLULESCIANU, NR. 30, SECTOR 5, BUCUREŞTI | Faza: P.T. + D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSC 3 AX 1 / A-H - PLAN COFRAJ - | Planse: R/26 |
| DESENAT | Ing. A. Pruna | | | | |

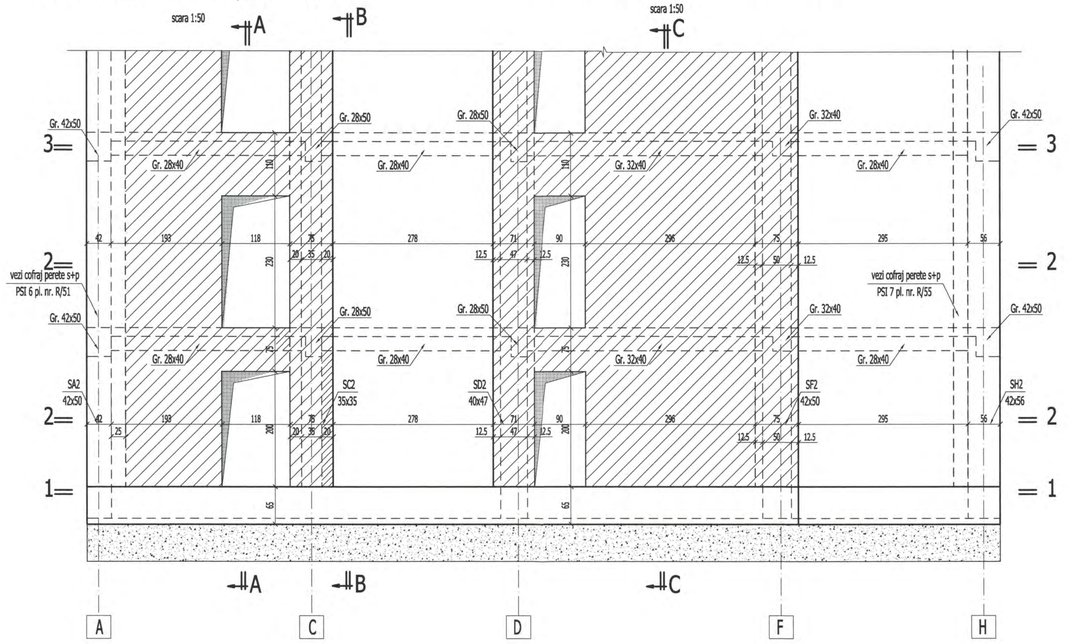
SECTIUNE A - A
scara 1:50



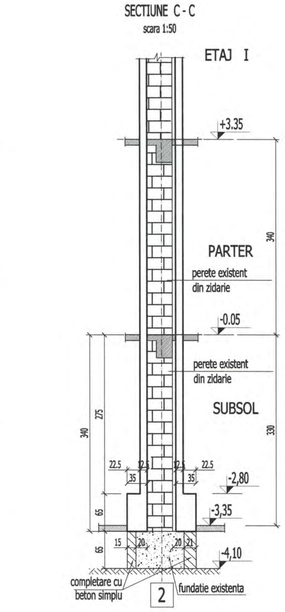

SECTIUNE A - A
scara 1:50




ELEVATIE PERETE PSC 4 AX 2 /A - C - COFRAJ
scara 1:50



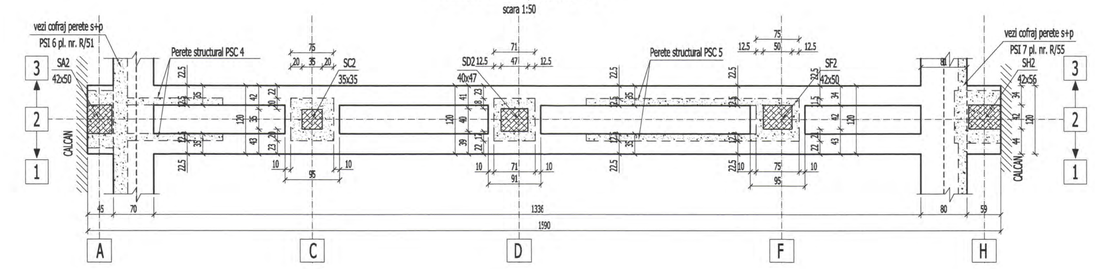

ELEVATIE PERETE PSC 5 AX 2 /D - F - COFRAJ
scara 1:50



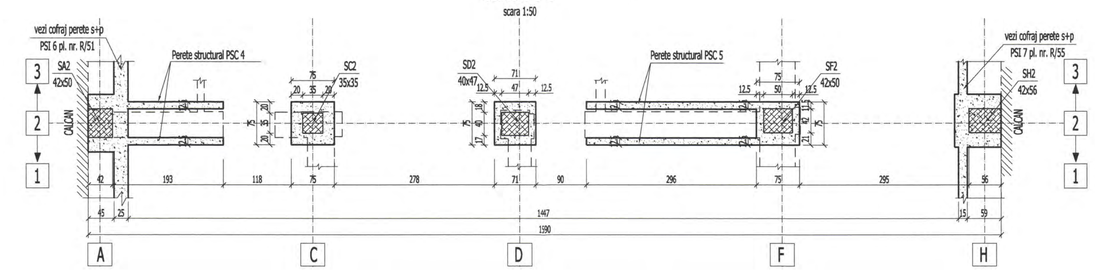

SECTIUNE C - C
scara 1:50



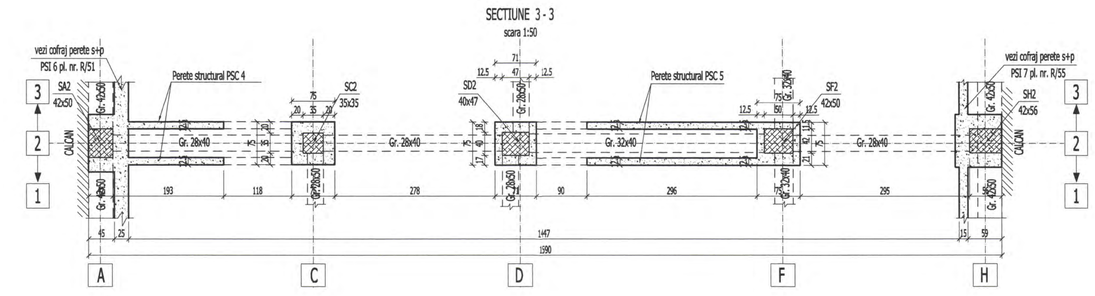

SECTIUNE 1 - 1 - talpa fundatie -2.80
scara 1:50




SECTIUNE 2 - 2
scara 1:50




SECTIUNE 3 - 3
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/28 - Elevatie si sectiuni pereti structurali PSC 4 si PSc 5. Subsol si parter. Plan armare
- R/29 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan cofraj
- R/30 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

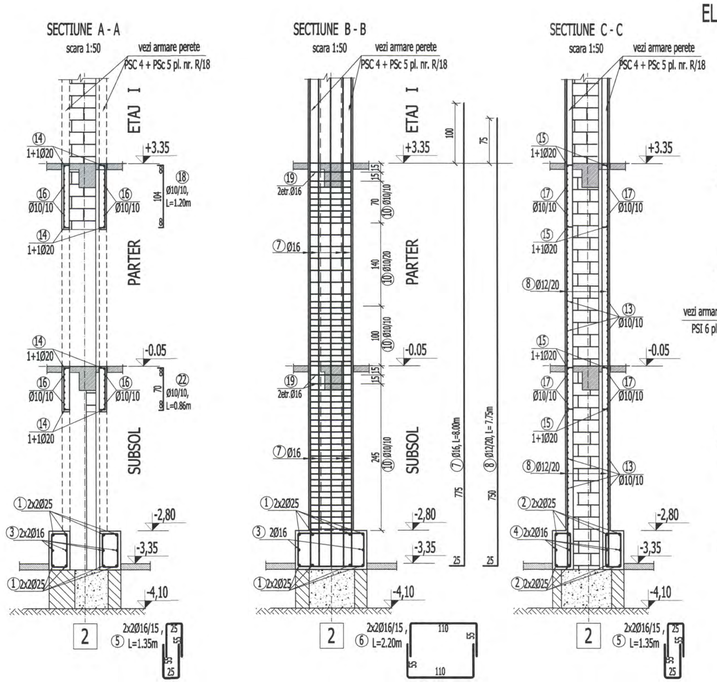
DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 4 AX 2 /A-C SI PSC 5 AX 2 /D-F . SUBSOL SI PARTER -PLAN COFRAJ -

Faza: P.T.+ D.E.

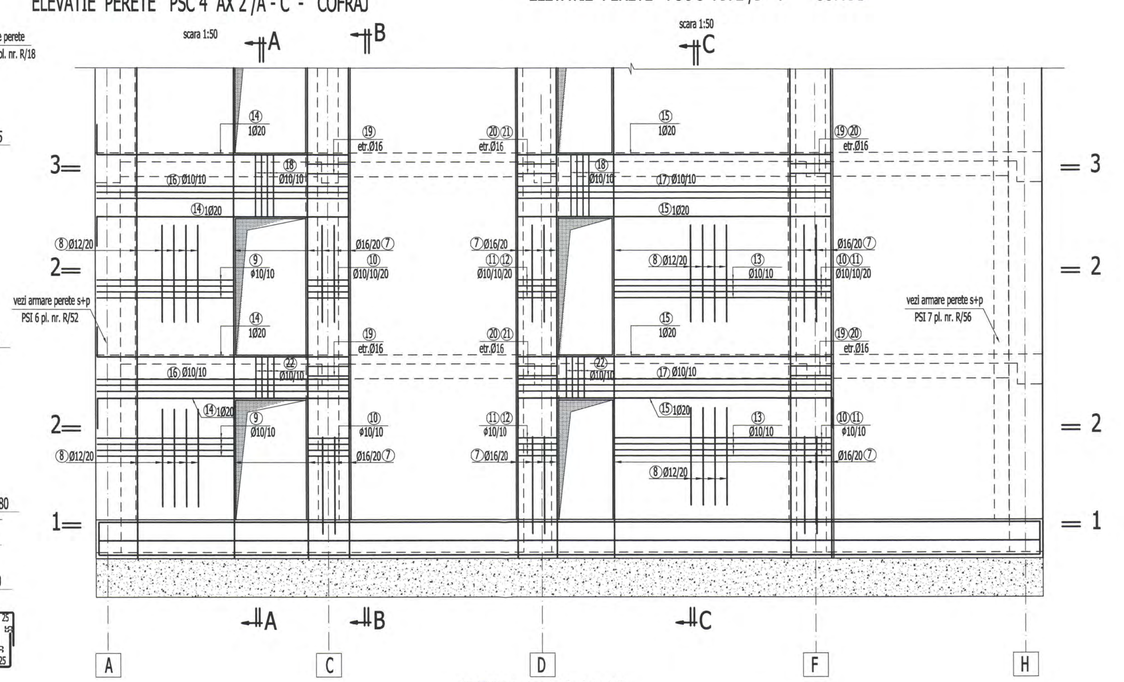
Plansa: R/27

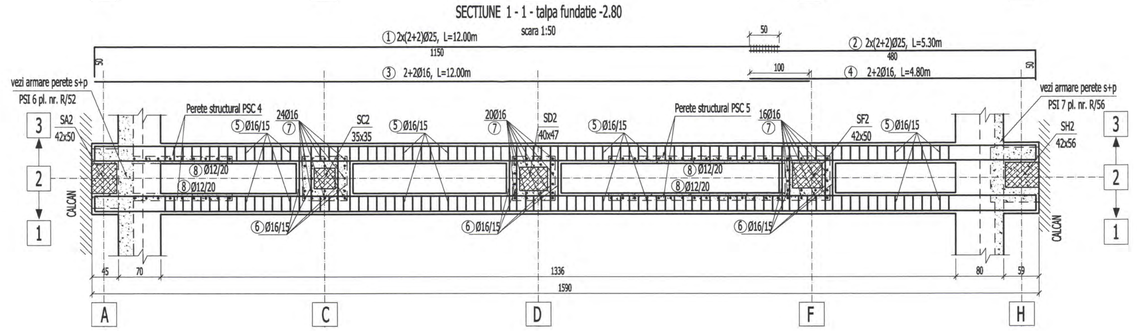


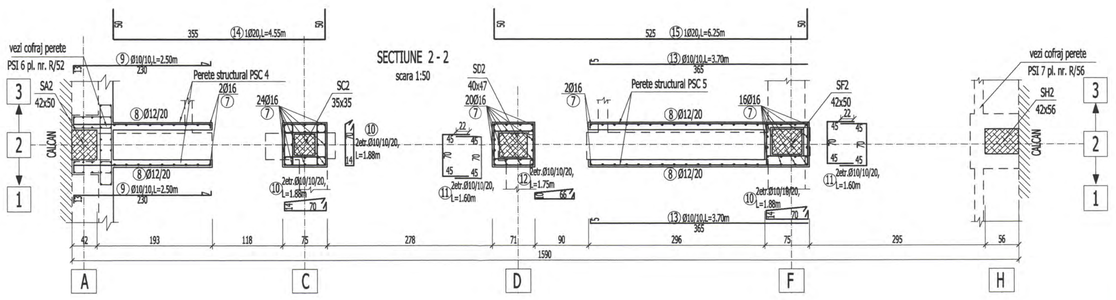


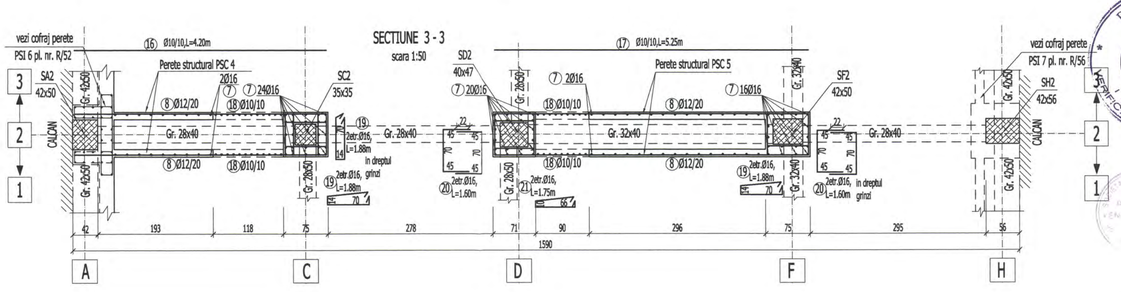





| R/28 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 4 + PSC 5 AX 2/A-F / SUBSOL SI PARTER . PLAN ARMARE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 8 | 12.00 | | | | | | | 96.00 |
| 2 | 25 | 8 | 5.30 | | | | | | | 42.40 |
| 3 | 16 | 4 | 12.00 | | | | | 48.00 | | |
| 4 | 16 | 4 | 4.80 | | | | | 19.20 | | |
| 5 | 16 | 280 | 1.35 | | | | | 378.00 | | |
| 6 | 16 | 24 | 2.20 | | | | | 52.80 | | |
| 7 | 16 | 64 | 8.00 | | | | | 512.00 | | |
| 8 | 12 | 44 | 7.75 | | | | 341.00 | | | |
| 9 | 10 | 88 | 2.50 | | | 220.00 | | | | |
| 10 | 10 | 144 | 1.88 | | | 270.72 | | | | |
| 11 | 10 | 192 | 1.60 | | | 307.20 | | | | |
| 12 | 10 | 48 | 1.75 | | | 84.00 | | | | |
| 13 | 10 | 88 | 3.70 | | | 325.60 | | | | |
| 14 | 20 | 8 | 4.55 | | | | | | 36.40 | |
| 15 | 20 | 8 | 6.25 | | | | | | 50.00 | |
| 16 | 10 | 30 | 4.20 | | | 126.00 | | | | |
| 17 | 10 | 30 | 5.25 | | | 157.50 | | | | |
| 18 | 10 | 48 | 1.20 | | | 57.60 | | | | |
| 19 | 16 | 12 | 1.88 | | | | | 22.56 | | |
| 20 | 16 | 16 | 1.60 | | | | | 25.60 | | |
| 21 | 16 | 4 | 1.75 | | | | | 7.00 | | |
| 22 | 10 | 48 | 0.86 | | | 41.28 | | | | |
| | | | | | | | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 1589.90 | 341.00 | 1065.16 | 86.40 | 138.40 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 980.97 | 302.74 | 1681.18 | 213.06 | 533.26 |
| TOTAL kg | | | | 3712.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/27 - Plan cofraj fundatii
- R/27 - Elevatie si sectiuni pereti structurali PSC 4 si PSc 5. Subsol si parter. Plan cofraj
- R/29 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan cofraj
- R/30 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan armare

| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
|---|---|---|---|---|
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

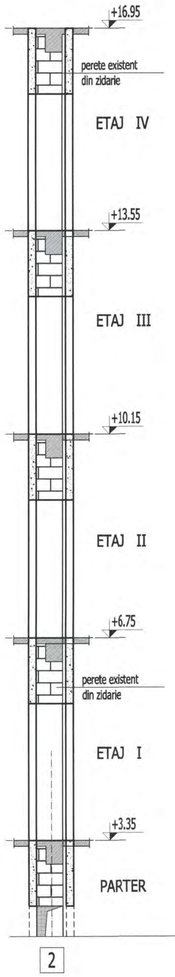
PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 4 AX 2 / A-C SI PSC 5 AX 2 / D-F . SUBSOL SI PARTER -PLAN ARMARE -

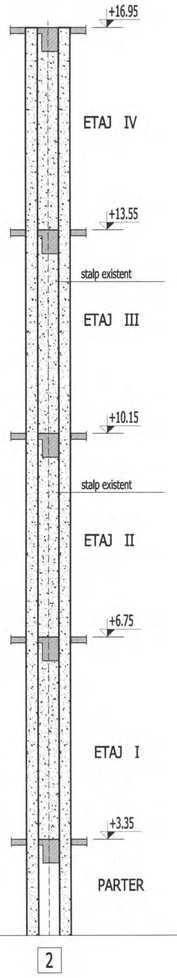
Faza: P.T.+ D.E.

Plansa: R/28

SECTIUNE A - A
scara 1:50

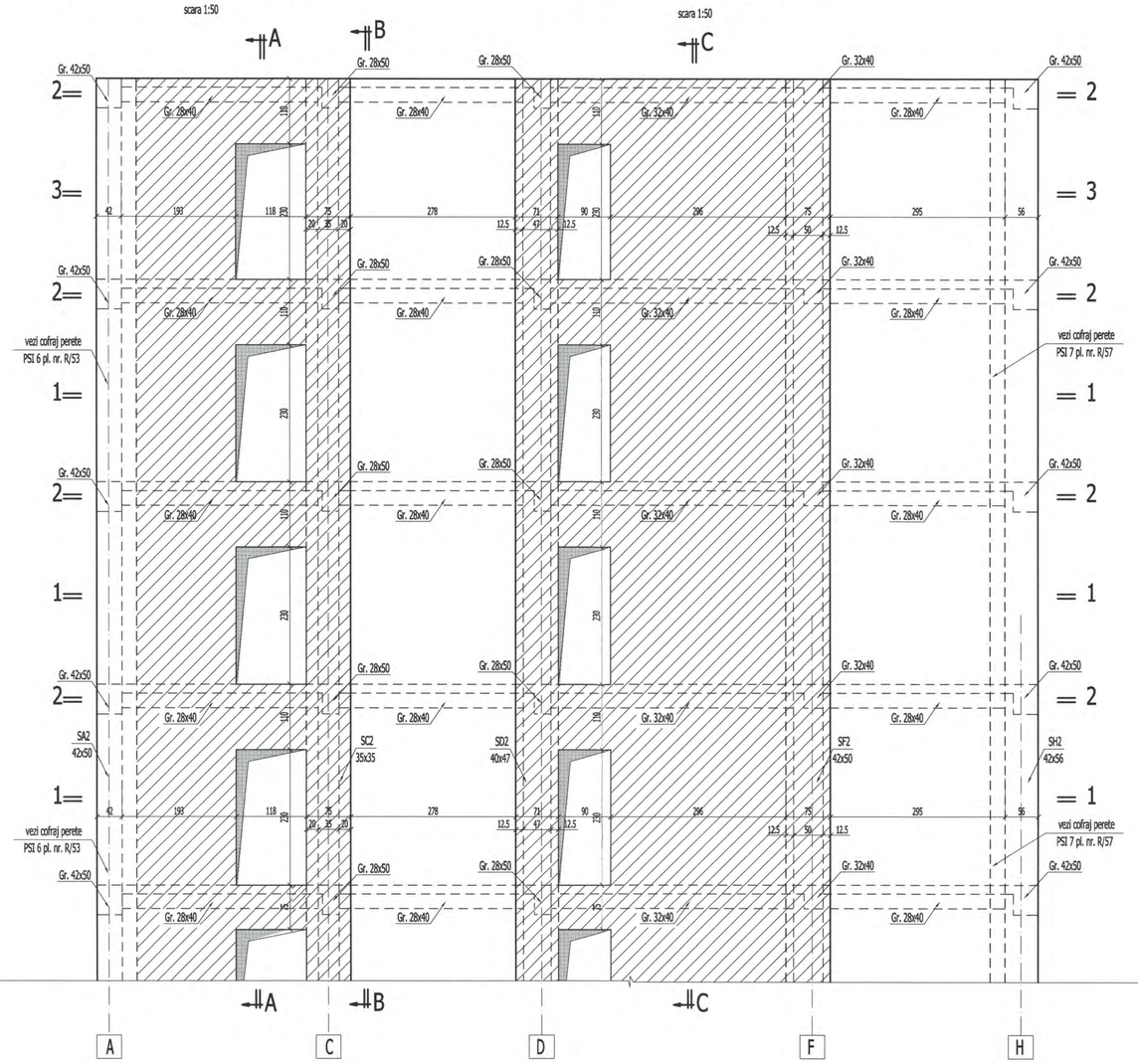



SECTIUNE A - A
scara 1:50

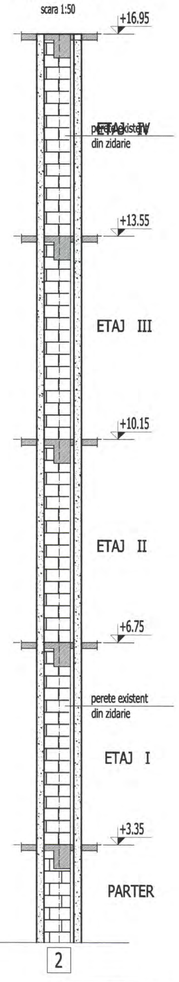



ELEVATIE PERETE PSC 4 AX 2 /A - C - COFRAJ
scara 1:50

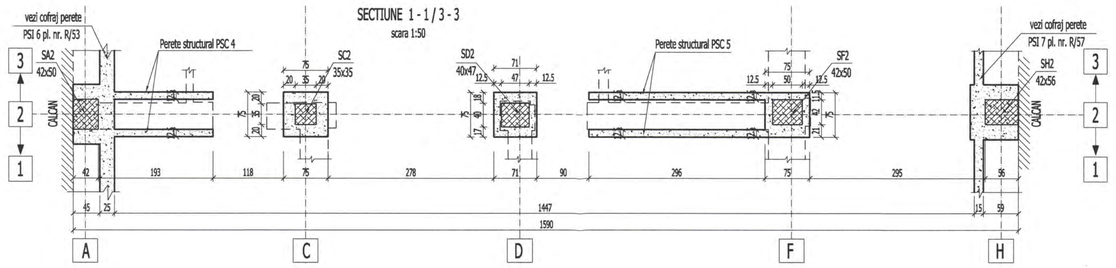
ELEVATIE PERETE PSC 5 AX 2 /D - F - COFRAJ
scara 1:50



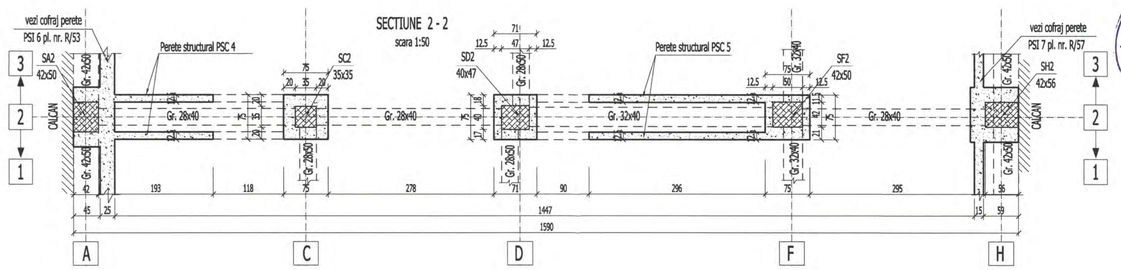

SECTIUNE C - C
scara 1:50




SECTIUNE 1 - 1 / 3 - 3
scara 1:50




SECTIUNE 2 - 2
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

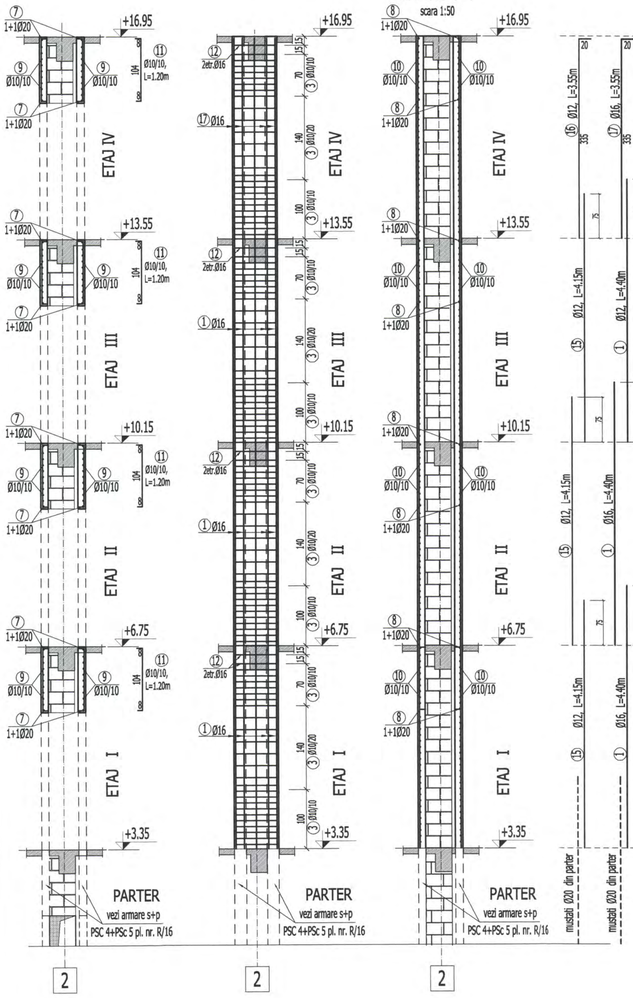
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/27 - Elevatie si sectiuni pereti structurali PSC 4 si PSc 5. Subsol si parter. Plan cofraj
- R/28 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Subsol si parter. Plan armare
- R/30 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan armare

RADU I. MARIAN — INGINER VERIFICATOR PROIECTE — NR. 291

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI — Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATII SI SECTIUNI PERETI STRUCTURALI PSC 4 AX 2 /A-C SI PSC 5 AX 2 /D-F -PLAN COFRAJ - — Plansa: R/29 |
| DESENAT | ing. A. Pruna | | | |

SECTIUNE A - A
scara 1:50



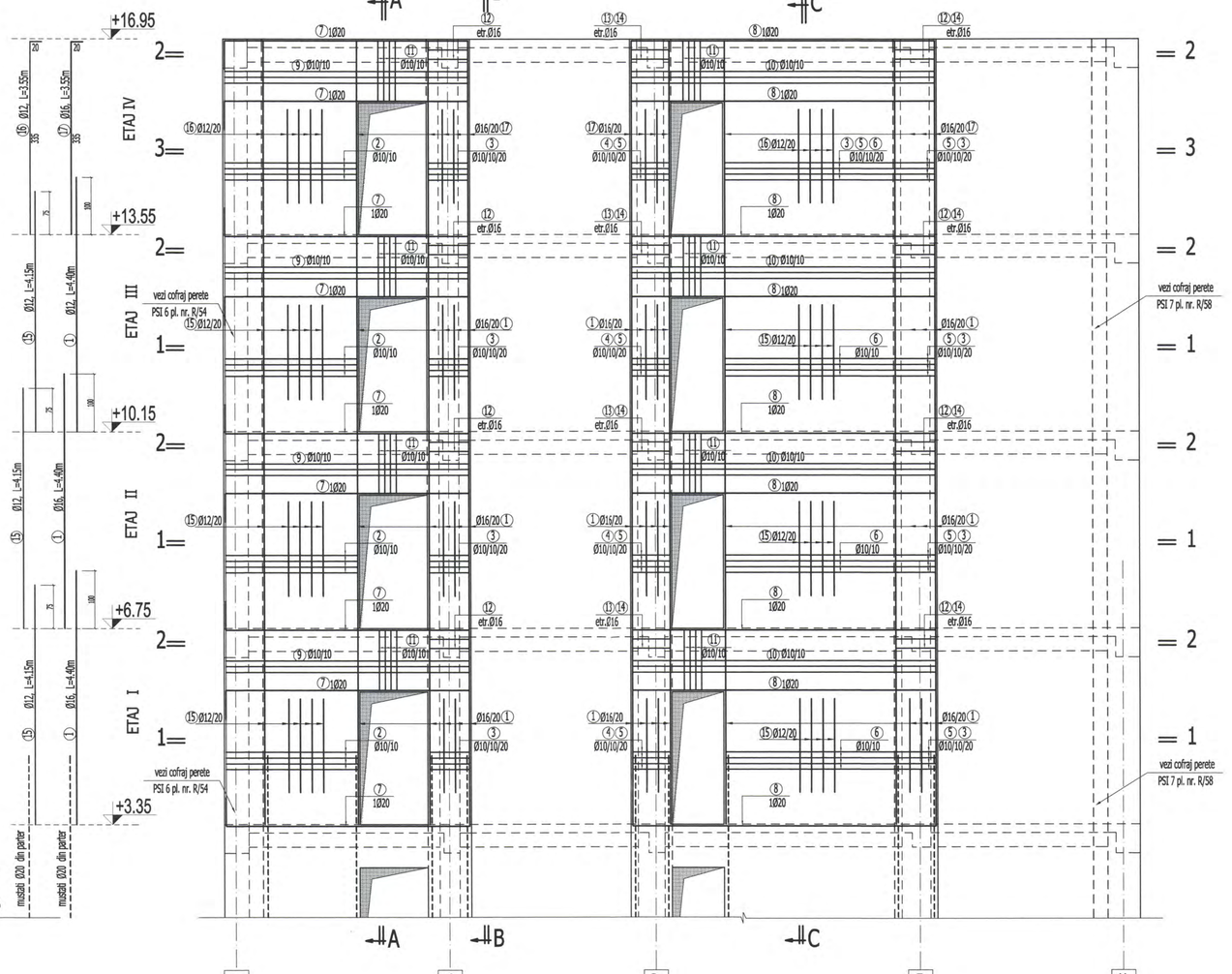

SECTIUNE B - B
scara 1:50




SECTIUNE C - C
scara 1:50

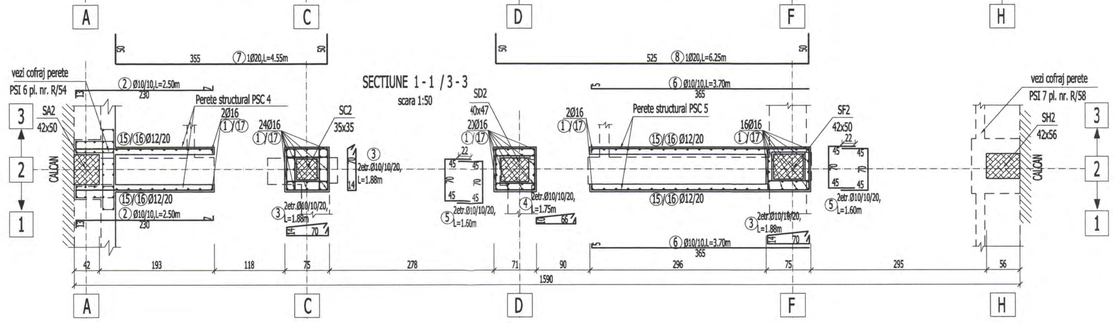


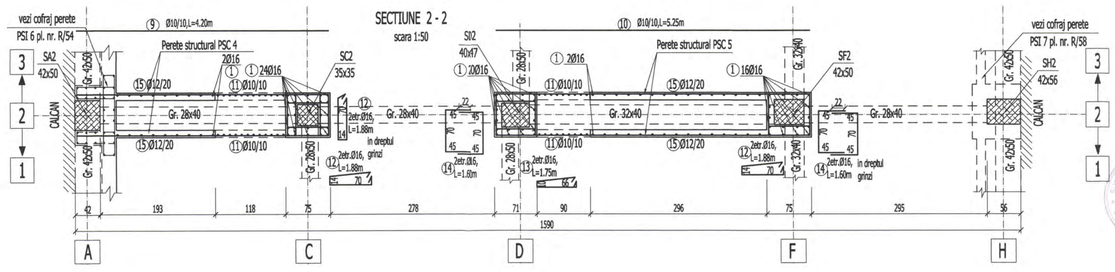

ELEVATIE PERETE PSC 4 AX 2 /A - C - COFRAJ
scara 1:50




ELEVATIE PERETE PSC 5 AX 2 /D - F - COFRAJ
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/27 - Elevatie si sectiuni pereti structurali PSC 4 si PSc 5. Subsol si parter. Plan cofraj
- R/28 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Subsol si parter. Plan armare
- R/29 - Elevatie si sectiuni pereti structurali PSC 4 si PSC 5. Plan cofraj

**R/30 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 4 + PSC 5 AX 2/A-F /**

**PLAN ARMARE**

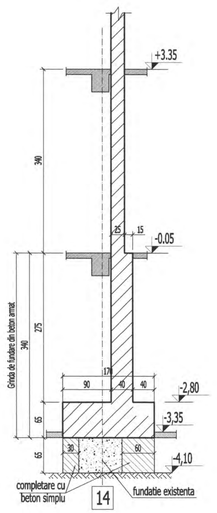
| Marca | Φ | Buc. | Lung. | OB 37 | | Pc52 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 16 | 192 | 4.40 | | | | | 844.80 | | |
| 2 | 10 | 184 | 2.50 | | | 460.00 | | | | |
| 3 | 10 | 384 | 1.88 | | | 721.92 | | | | |
| 4 | 10 | 192 | 1.75 | | | 336.00 | | | | |
| 5 | 10 | 384 | 1.60 | | | 614.40 | | | | |
| 6 | 10 | 184 | 3.70 | | | 680.80 | | | | |
| 7 | 20 | 18 | 4.55 | | | | | | 81.90 | |
| 8 | 20 | 18 | 6.25 | | | | | | 112.50 | |
| 9 | 10 | 72 | 4.20 | | | 302.40 | | | | |
| 10 | 10 | 72 | 5.25 | | | 378.00 | | | | |
| 11 | 10 | 84 | 1.20 | | | 100.80 | | | | |
| 12 | 16 | 20 | 1.88 | | | | | 37.60 | | |
| 13 | 16 | 8 | 1.75 | | | | | 14.00 | | |
| 14 | 16 | 16 | 1.60 | | | | | 25.60 | | |
| 15 | 12 | 132 | 4.15 | | | | 547.80 | | | |
| 16 | 12 | 44 | 3.55 | | | | 156.20 | | | |
| 17 | 16 | 64 | 3.55 | | | | | 227.20 | | |
| | | | | | | | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 3594.32 | 704.00 | 1149.20 | 194.40 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 2217.70 | 625.02 | 1813.82 | 479.39 | 0.00 |
| **TOTAL kg** | | | | **5136.00** | | | | | | |

RADU I. MARIAN
ROM. NIVEL. DOM. A1, A2, A3, A4, A5, A6, A7
NR. 291
VERIFICATOR PROIECTE

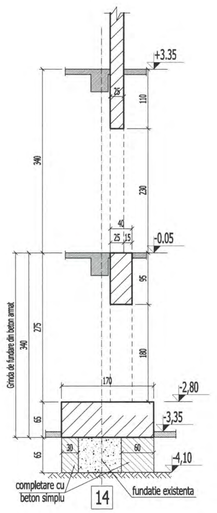
NEFTIAN N. HARITION
ROMANIA
INSPECT-DOCUMENTE
NR. 95
A1-A2
INGINER EXPERT TEHNIC

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 4 AX 2 / A-C SI PSC 5 AX 2 / D-F -PLAN ARMARE- | Plansa: R/30 |
| DESENAT | ing. A. Pruna | | | | |

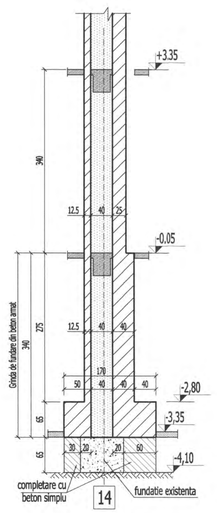
SECTIUNE A - A - COFRAJ
scara 1:50



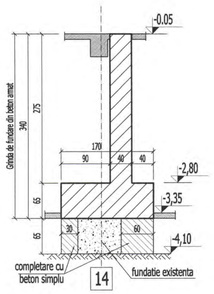

SECTIUNE B - B - COFRAJ
scara 1:50



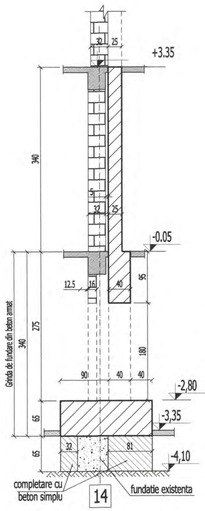

SECTIUNE C - C - COFRAJ
scara 1:50



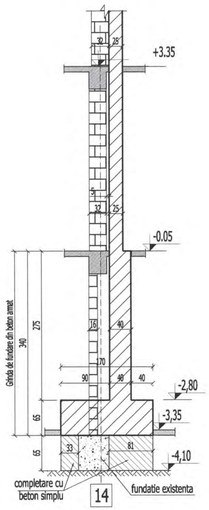

SECTIUNE D - D - COFRAJ
scara 1:50



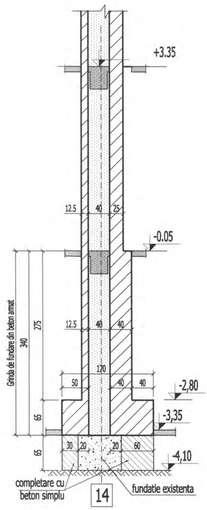

SECTIUNE E - E - COFRAJ
scara 1:50



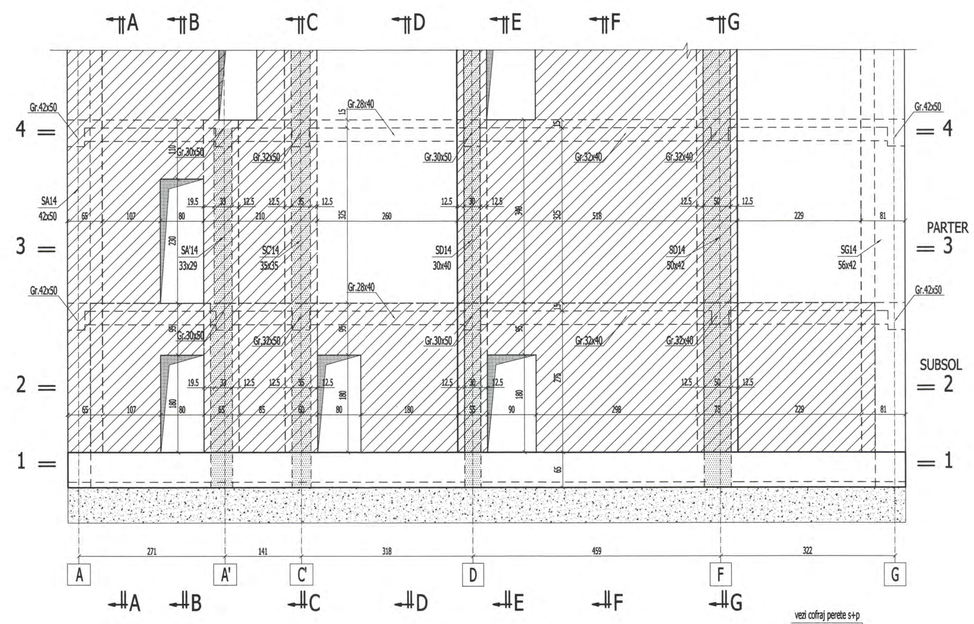

SECTIUNE F - F - COFRAJ
scara 1:50




SECTIUNE G - G - COFRAJ
scara 1:50



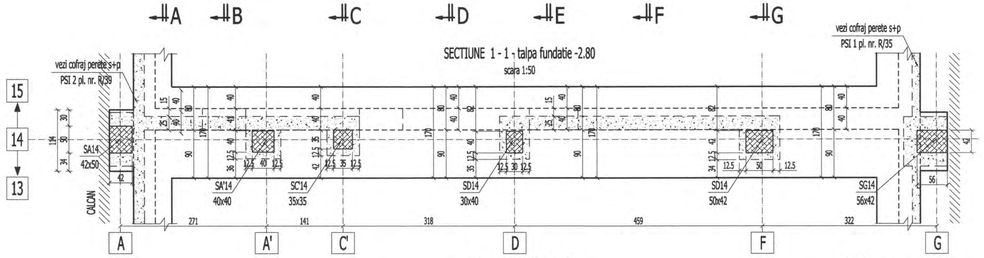

ELEVATIE PERETE PSC 6 AX 14 /A - C' - COFRAJ
scara 1:50



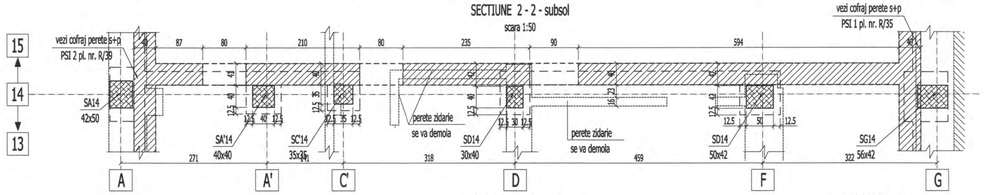

ELEVATIE PERETE PSC 7 AX 14 / D - F - COFRAJ
scara 1:50



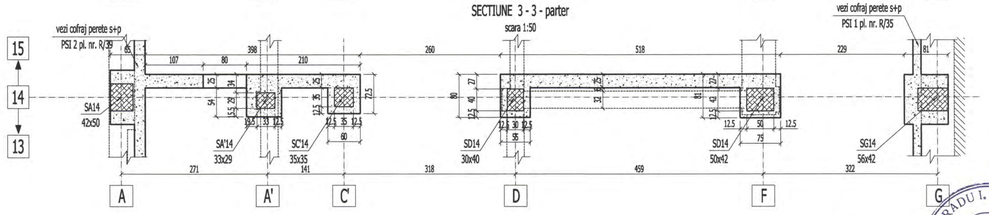

SECTIUNE 1 - 1 - talpa fundatie -2.80
scara 1:50



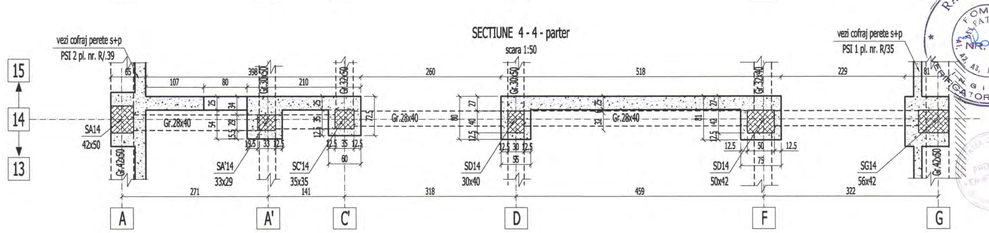

SECTIUNE 2 - 2 - subsol
scara 1:50




SECTIUNE 3 - 3 - parter
scara 1:50




SECTIUNE 4 - 4 - parter
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

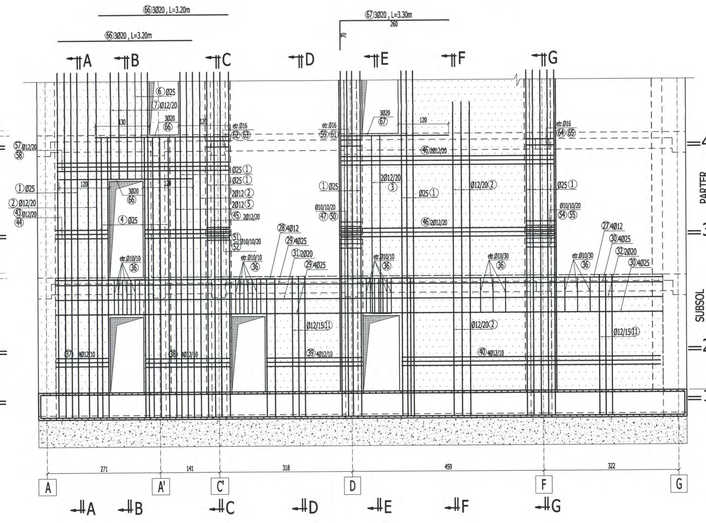
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
R/32 - Plan cofraj fundatii si sectiuni
R/32 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan armare
R/33 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan cofraj
R/34 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T. + D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 6 AX 14 / A-C' SI PSC 7 AX 14 / D-F. SUBSOL SI PARTER -PLAN COFRAJ- | Plansa: R/31 |
| DESENAT | ing. A. Pruna | | | | |

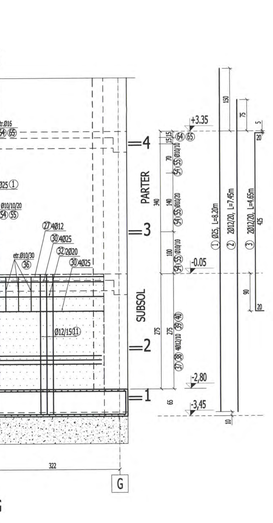
## ELEVATIE PERETE PSC 6 AX 14/A-C' - COFRAJ

scara 1:50



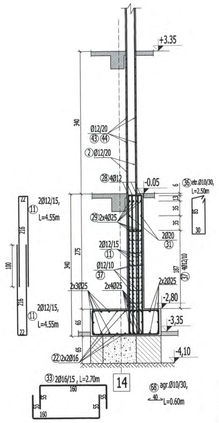
## ELEVATIE PERETE PSC 7 AX 14/D-F - COFRAJ

scara 1:50



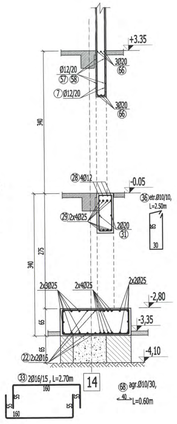
## SECTIUNE A - A - armare

scara 1:50



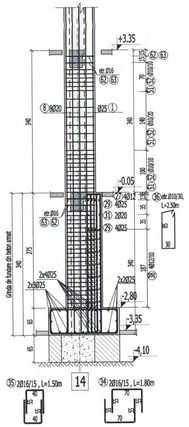
## SECTIUNE B - B - armare

scara 1:50



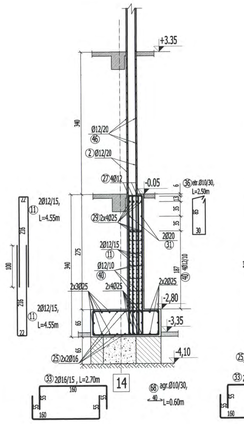
## SECTIUNE C - C - armare

scara 1:50



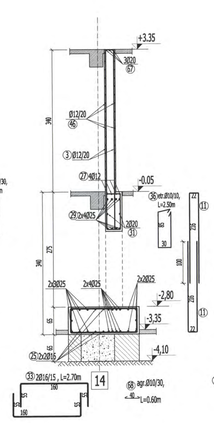
## SECTIUNE F - F - armare

scara 1:50



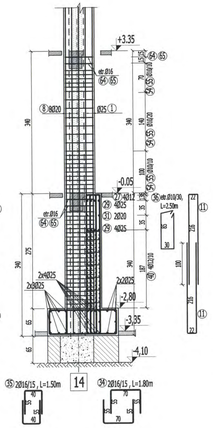
## SECTIUNE E - E - armare

scara 1:50



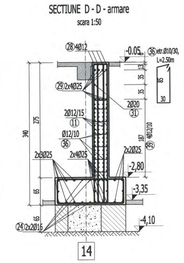
## SECTIUNE G - G - armare

scara 1:50



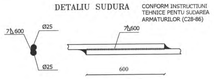
## SECTIUNE D - D - armare

scara 1:50



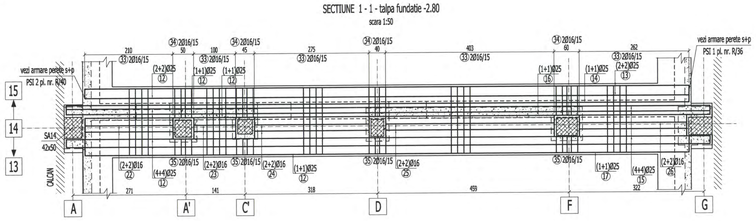
DETALIU SUDURA

CONFORM INSTRUCTIUNI TEHNICE PENTRU SUDAREA ARMATURILOR (C28-86)

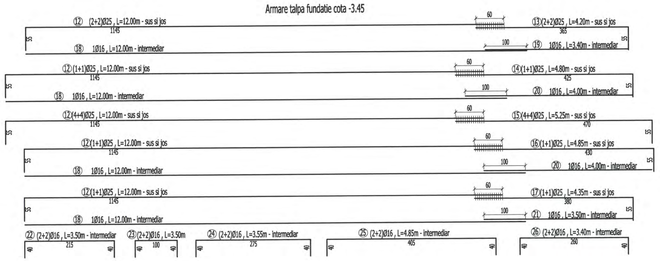


## SECTIUNE 1 - 1 - talpa fundatie -2.80

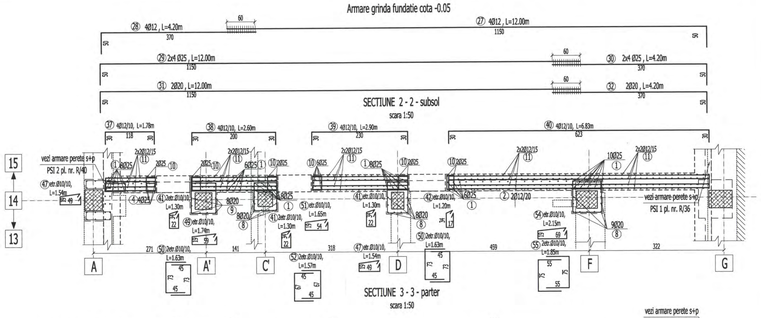
scara 1:50



## Armare talpa fundatie cota -3.45



## Armare grinda fundatie cota -0.05



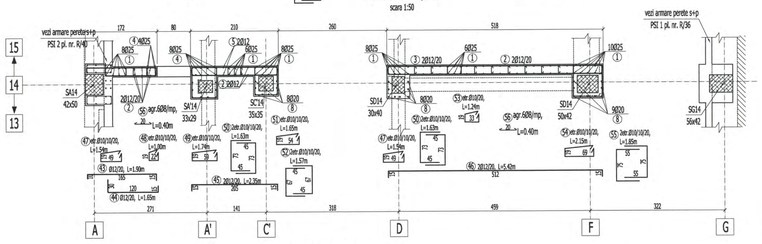
## SECTIUNE 2 - 2 - subsol

scara 1:50



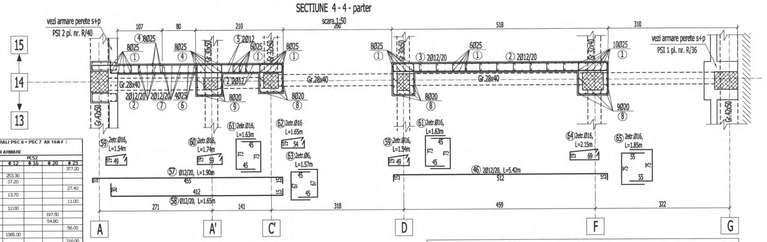
## SECTIUNE 3 - 3 - parter

scara 1:50



## SECTIUNE 4 - 4 - parter

scara 1:50



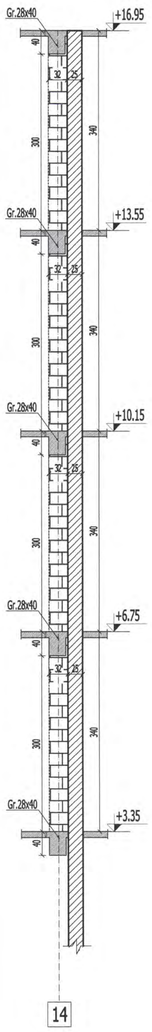
**BETON EGALIZARE : C4/5 (Bc5)**
**BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)**
**BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)**
**ARMATURA : OB37, Pc52**

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

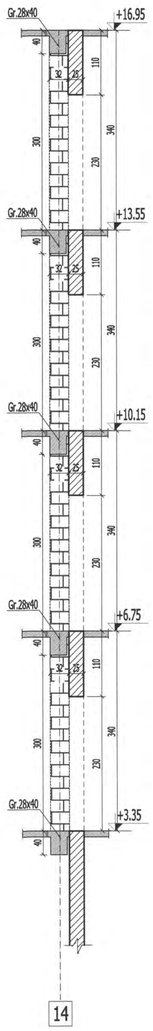
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/31 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan cofraj
- R/33 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan cofraj
- R/34 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 9642 / 2010 |
| | | | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE SIM Bdul. M. KOGALNICEANU, NR. 38, SECTOR 5, BUCURESTI | |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | Faza: P.T. + D.E. |
| SEF PROIECT | Ing. N. Stanoate | | | |
| PROIECTAT | Ing. M. Coatache | | DATA: 2011 | Plansa: R/32 |
| DESENAT | Ing. A. Pruna | | | |

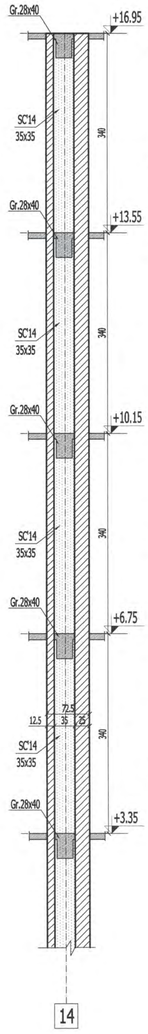
SECTIUNE A - A - COFRAJ
scara 1:50




SECTIUNE B - B - COFRAJ
scara 1:50

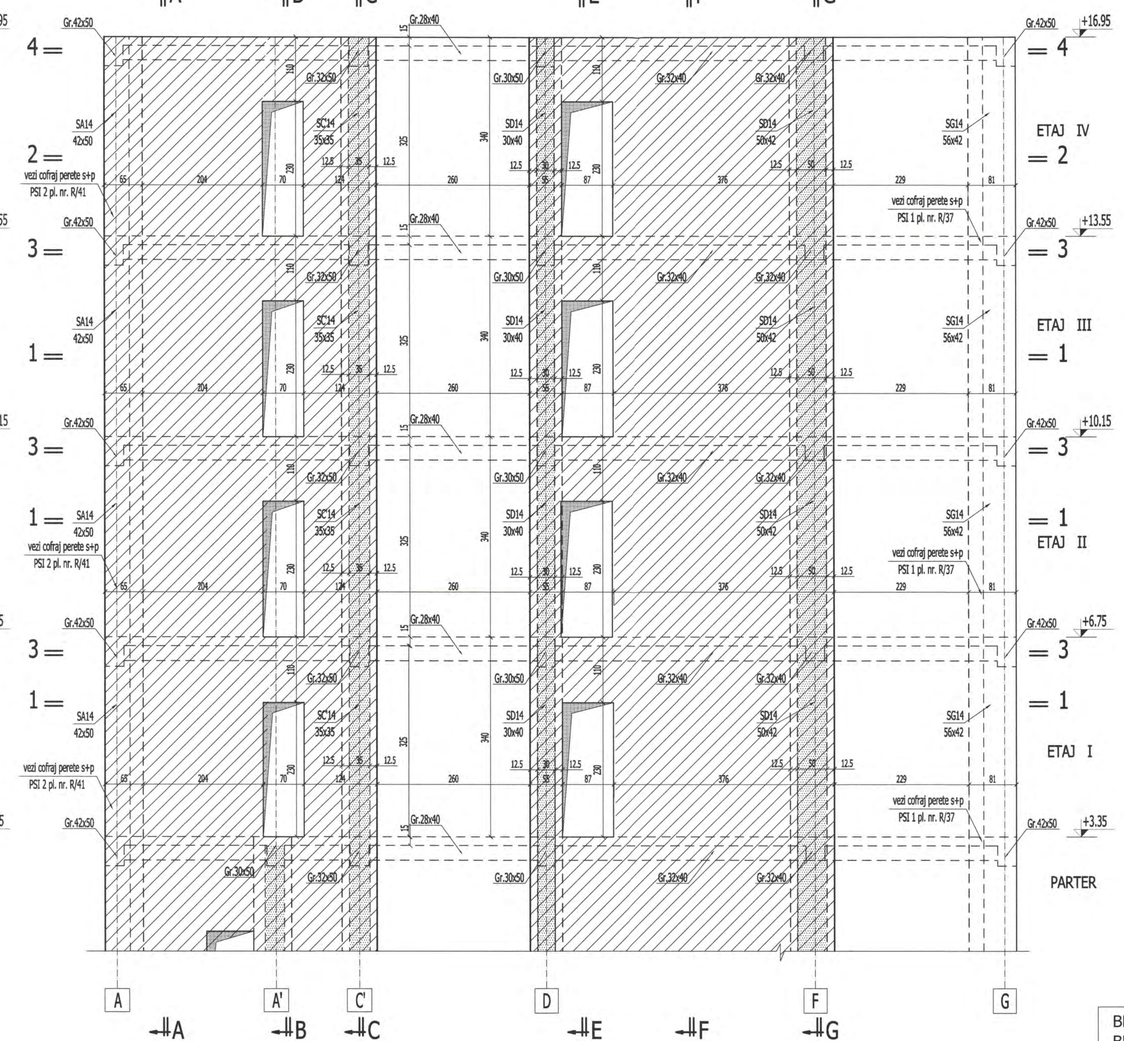



SECTIUNE C - C - COFRAJ
scara 1:50

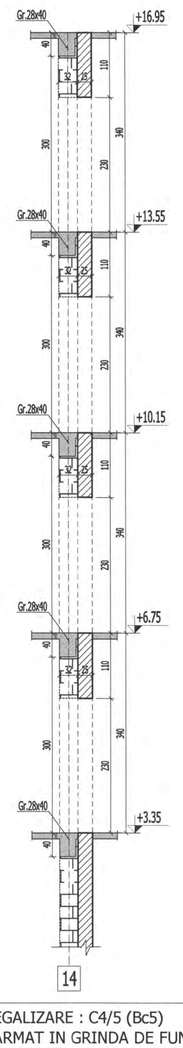



ELEVATIE PERETE PSC 6 AX 14 /A - C' - COFRAJ
scara 1:50

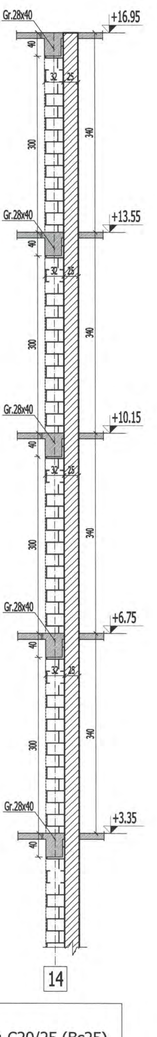
ELEVATIE PERETE PSC 7 AX 14 / D - F - COFRAJ
scara 1:50



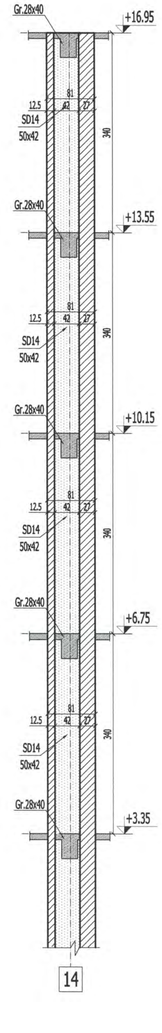

SECTIUNE E - E - COFRAJ
scara 1:50



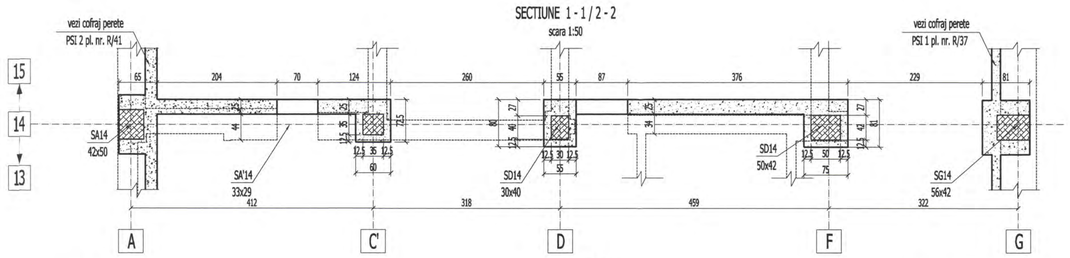

SECTIUNE A - A - COFRAJ
scara 1:50



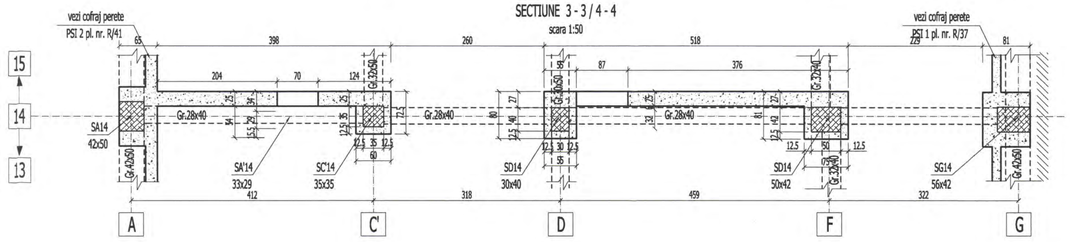

SECTIUNE C - C - COFRAJ
scara 1:50




SECTIUNE 1 - 1 / 2 - 2
scara 1:50




SECTIUNE 3 - 3 / 4 - 4
scara 1:50



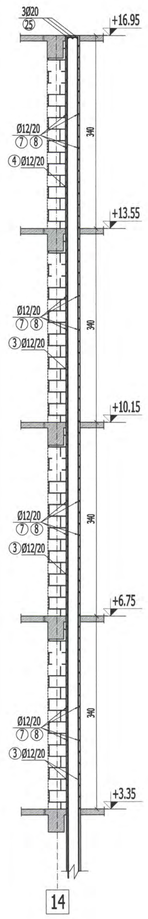

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

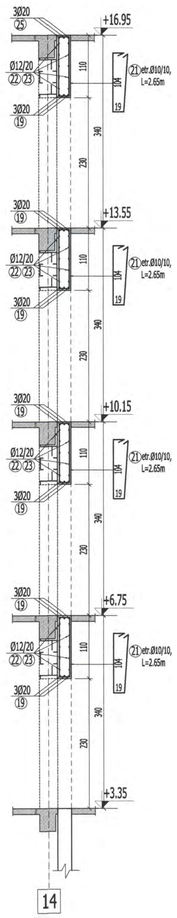
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/31 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan cofraj
- R/32 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan armare
- R/34 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 6 AX 14 /A-C' SI PSC 7 AX 14 / D-F. -PLAN COFRAJ - | Plansa: R/33 |
| DESENAT | Ing. A. Pruna | | | | |

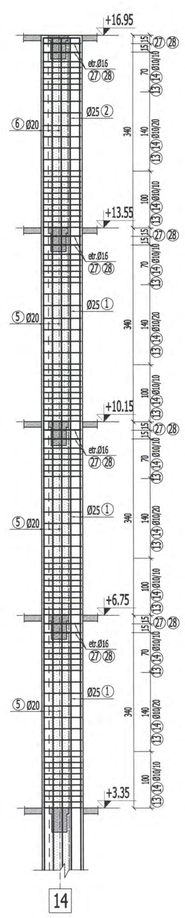
SECTIUNE A - A - ARMARE
scara 1:50



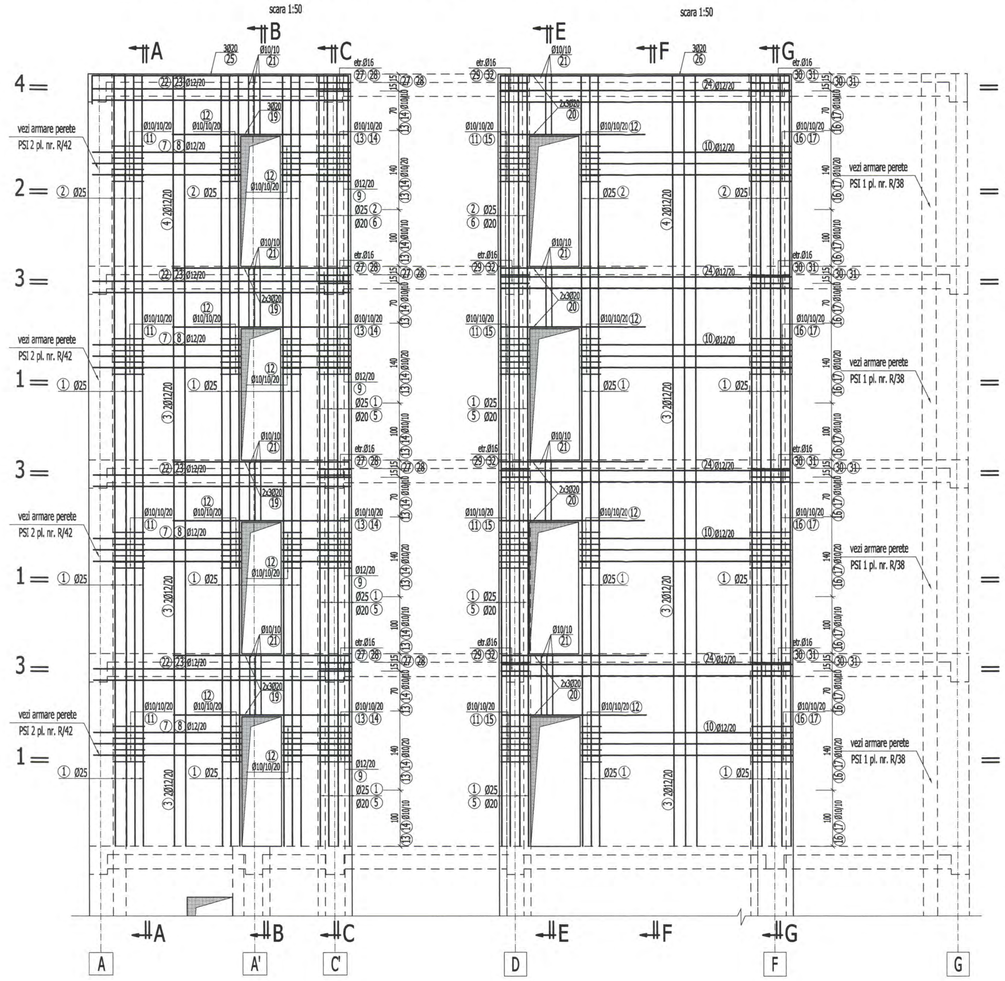

SECTIUNE B - B - ARMARE
scara 1:50




SECTIUNE C - C - ARMARE
scara 1:50

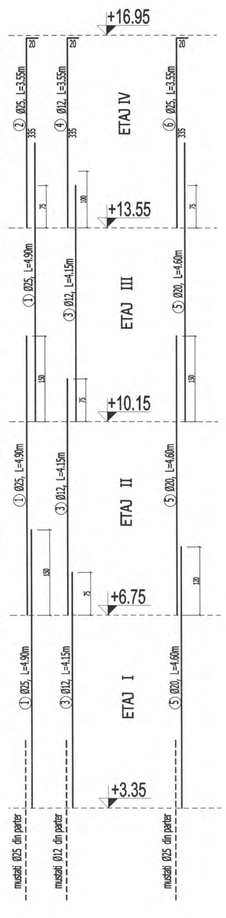



ELEVATIE PERETE PSC 6 AX 14 /A - C' - ARMARE
scara 1:50

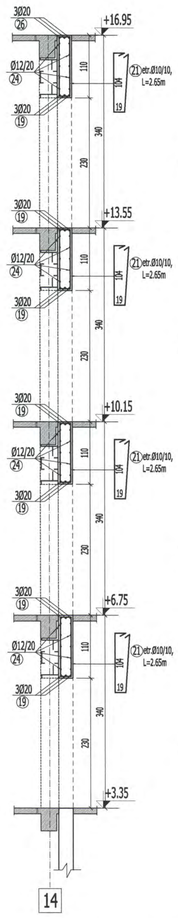



ELEVATIE PERETE PSC 7 AX 14 / D - F - ARMARE
scara 1:50

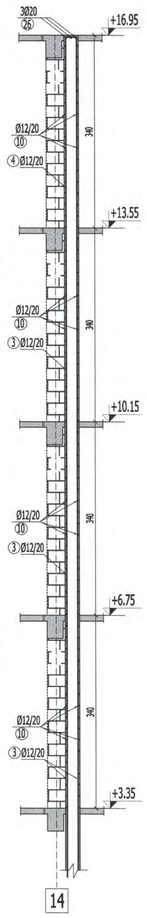


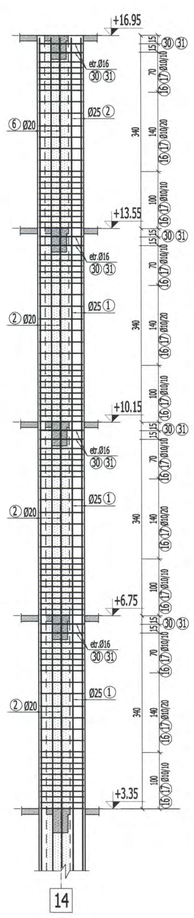

SECTIUNE E - E - ARMARE
scara 1:50




SECTIUNE F - F - ARMARE
scara 1:50




SECTIUNE G - G - ARMARE
scara 1:50

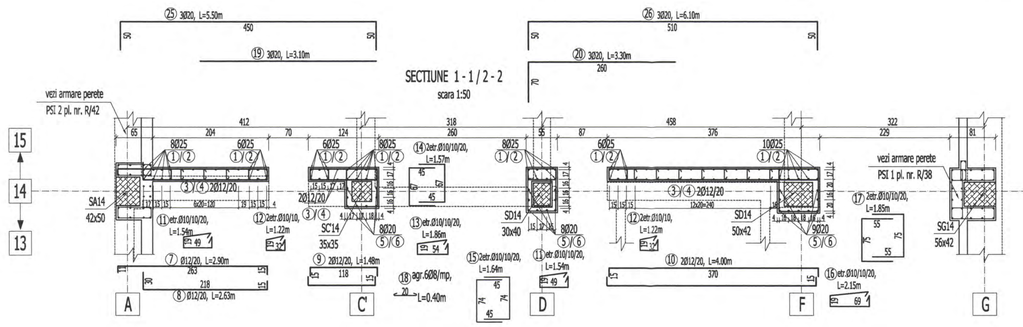



BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

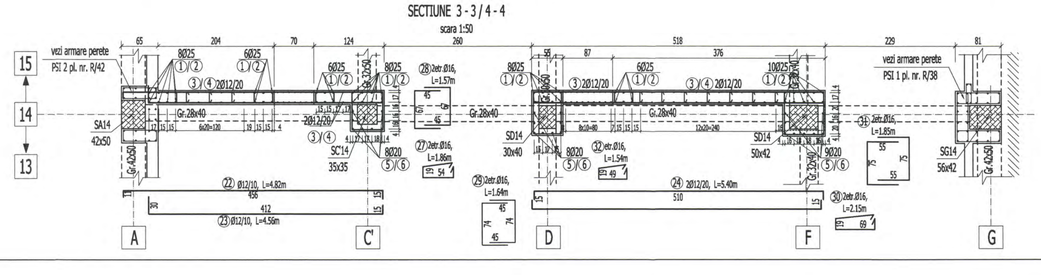
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/31 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan cofraj
- R/32 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Subsol si parter. Plan armare
- R/33 - Elevatie si sectiuni pereti structurali PSC 6 si PSC 7. Plan cofraj

SECTIUNE 1 - 1/2 - 2
scara 1:50




SECTIUNE 3 - 3/4 - 4
scara 1:50




R34 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 6 + PSC 7 AX 14/A-F /

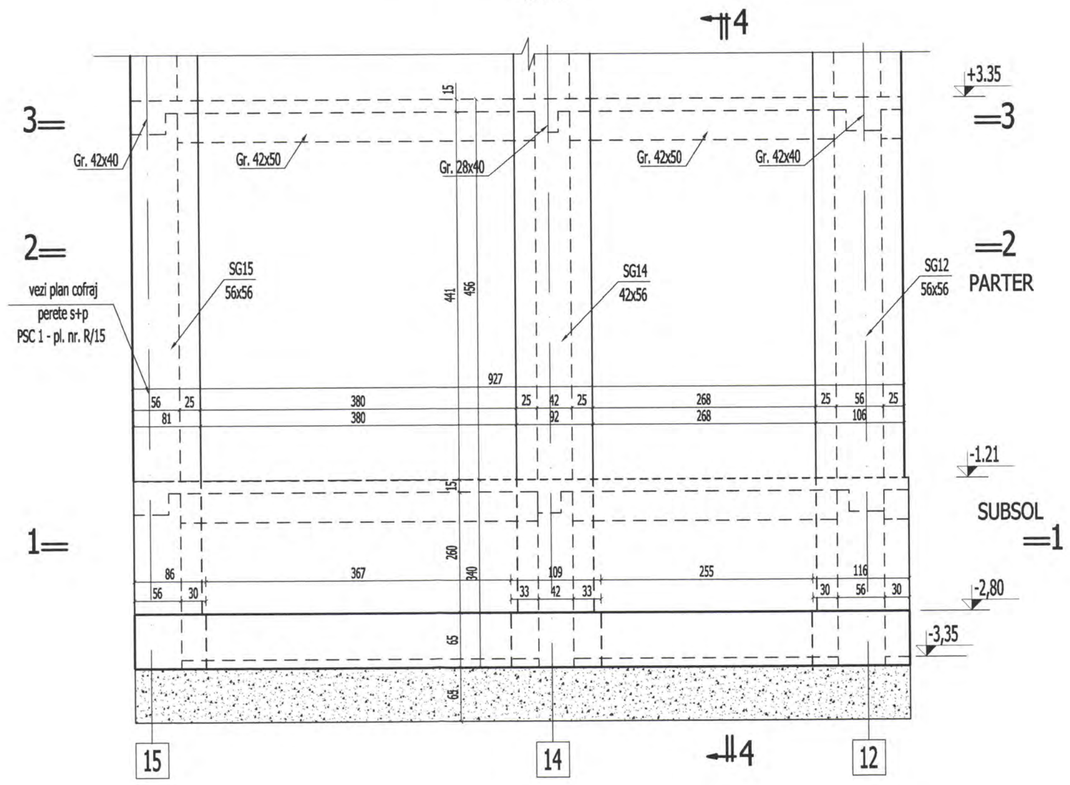
PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 156 | 4.90 | | | | | | | 764.40 |
| 2 | 25 | 52 | 3.55 | | | | | | | 184.60 |
| 3 | 12 | 120 | 4.15 | | | | 498.00 | | | |
| 4 | 12 | 40 | 3.55 | | | | 142.00 | | | |
| 5 | 20 | 75 | 4.60 | | | | | | 345.00 | |
| 6 | 20 | 25 | 3.55 | | | | | | 88.75 | |
| 7 | 12 | 48 | 2.90 | | | | 139.20 | | | |
| 8 | 12 | 48 | 2.63 | | | | 126.24 | | | |
| 9 | 12 | 96 | 1.48 | | | | 142.08 | | | |
| 10 | 12 | 96 | 4.00 | | | | 384.00 | | | |
| 11 | 10 | 192 | 1.54 | | | 295.68 | | | | |
| 12 | 10 | 272 | 1.22 | | | 331.84 | | | | |
| 13 | 10 | 96 | 1.86 | | | 178.56 | | | | |
| 14 | 10 | 192 | 1.57 | | | 301.44 | | | | |
| 15 | 10 | 192 | 1.64 | | | 314.88 | | | | |
| 16 | 10 | 96 | 2.15 | | | 206.40 | | | | |
| 17 | 10 | 192 | 1.85 | | | 355.20 | | | | |
| 18 | 8 | 320 | 0.40 | | 128.00 | | | | | |
| 19 | 20 | 21 | 3.10 | | | | | | 65.10 | |
| 20 | 20 | 21 | 3.30 | | | | | | 69.30 | |
| 21 | 10 | 64 | 2.65 | | | 169.60 | | | | |
| 22 | 12 | 20 | 4.82 | | | | 96.40 | | | |
| 23 | 12 | 20 | 4.56 | | | | 91.20 | | | |
| 24 | 12 | 40 | 5.40 | | | | 216.00 | | | |
| 25 | 20 | 3 | 5.50 | | | | | | 16.50 | |
| 26 | 20 | 3 | 5.10 | | | | | | 18.30 | |
| 27 | 16 | 8 | 1.86 | | | | | 14.88 | | |
| 28 | 16 | 8 | 1.57 | | | | | 12.56 | | |
| 29 | 16 | 8 | 1.64 | | | | | 13.12 | | |
| 30 | 16 | 8 | 2.15 | | | | | 17.20 | | |
| 31 | 16 | 8 | 1.85 | | | | | 14.80 | | |
| 32 | 16 | 8 | 1.54 | | | | | 12.32 | | |
| Lungimi /ø m | | | | 0.00 | 128.00 | 2153.60 | 1835.12 | 84.88 | 602.95 | 949.00 |
| Masa totala / mi m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 50.56 | 1328.77 | 1629.25 | 133.97 | 1486.87 | 3656.50 |
| TOTAL kg | | | | 8286.00 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSC 6 AX 14/A-C SI PSC 7 AX 14 / D-F. -PLAN ARMARE- | Plansa: R/34 |
| DESENAT | Ing. A. Pruna | | | | |

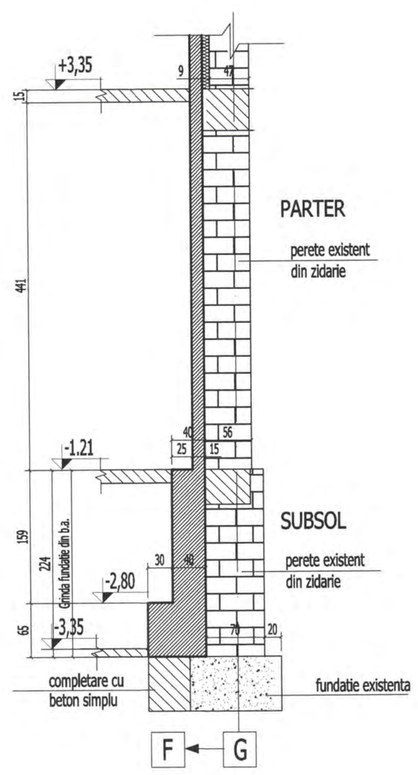
## PERETE PSI 1 AX G / 12 - 15 - SUBSOL + PARTER - PLAN COFRAJ

scara 1:50



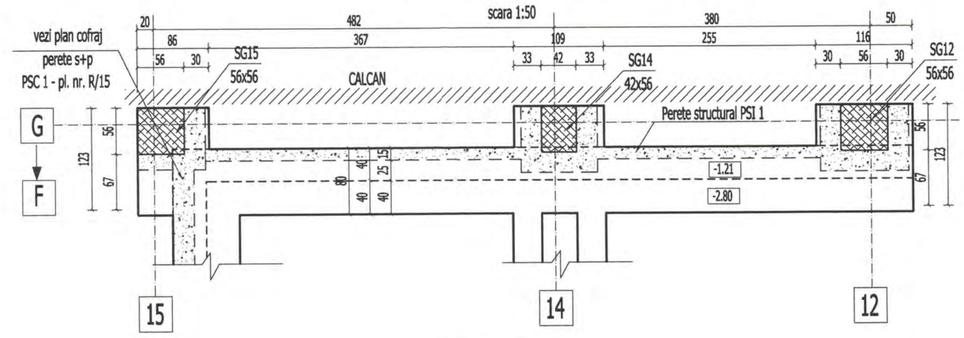

## Sectiunea 4-4

scara 1:50



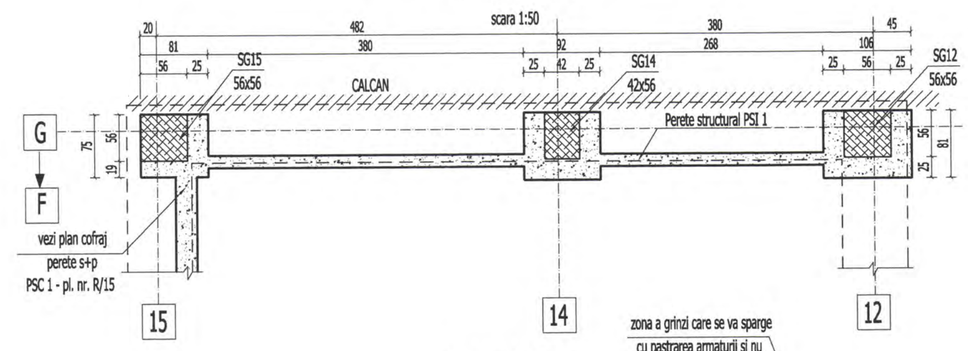

## Sectiunea 1-1 - grinda de fundare

scara 1:50



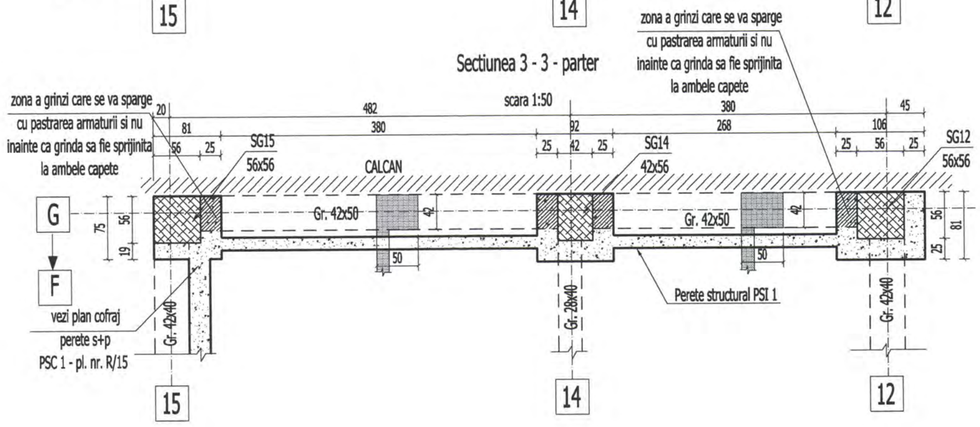

## Sectiunea 2-2 - parter

scara 1:50




## Sectiunea 3 - 3 - parter

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

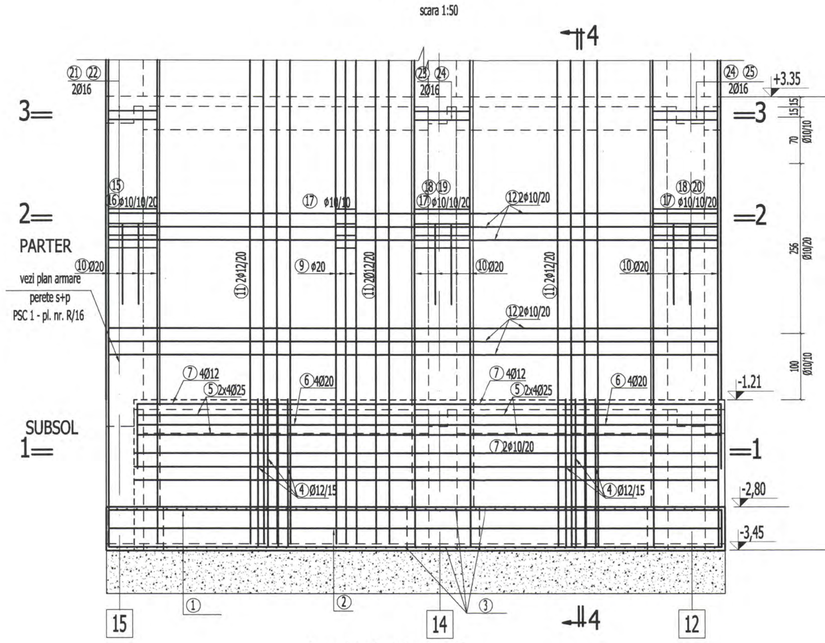
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/36 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan armare
- R/37 - Elevatie si sectiuni perete structural PSI 1. Plan cofraj
- R/38 - Elevatie si sectiuni perete structural PSI 1. Plan armare

| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
|---|---|---|---|---|
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | |
|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G / 12- 15 . SUBSOL SI PARTER -PLAN COFRAJ - | Plansa: R/35 |
| DESENAT | ing. A. Pruna | | | | |

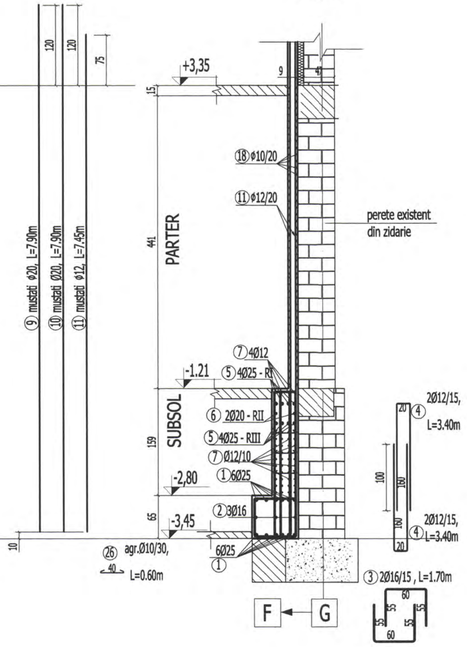
## PERETE PSI 1 AX G / 12 - 15 - SUBSOL + PARTER - PLAN ARMARE

scara 1:50




## Sectiunea 4-4

scara 1:50




R/36 - ELEVATII SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G/12-15 / SUBSOL SI PARTER . PLAN ARMARE

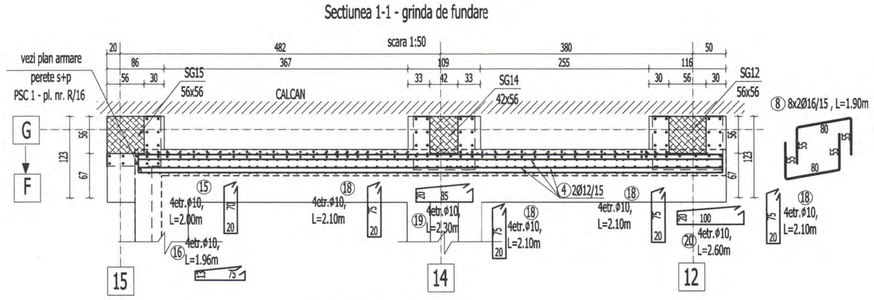
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 12 | 10.20 | | | | | | | 122.40 |
| 2 | 16 | 3 | 9.20 | | | | | 27.60 | | |
| 3 | 16 | 120 | 1.70 | | | | | 204.00 | | |
| 4 | 12 | 240 | 3.40 | | | | 816.00 | | | |
| 5 | 25 | 8 | 9.80 | | | | | | | 78.40 |
| 6 | 20 | 2 | 9.80 | | | | | | 19.60 | |
| 7 | 12 | 44 | 9.30 | | | | 409.20 | | | |
| 8 | 16 | 16 | 1.90 | | | | | 30.40 | | |
| 9 | 20 | 24 | 7.90 | | | | | | 189.60 | |
| 10 | 20 | 58 | 7.90 | | | | | | 458.20 | |
| 11 | 12 | 58 | 7.45 | | | | 432.10 | | | |
| 12 | 10 | 42 | 9.20 | | | 386.40 | | | | |
| 13 | 10 | 42 | 4.90 | | | 205.80 | | | | |
| 14 | 10 | 42 | 3.60 | | | 151.20 | | | | |
| 15 | 10 | 34 | 2.00 | | | 68.00 | | | | |
| 16 | 10 | 34 | 1.96 | | | 66.64 | | | | |
| 17 | 10 | 129 | 1.10 | | | 141.90 | | | | |
| 18 | 10 | 136 | 2.10 | | | 285.60 | | | | |
| 19 | 10 | 34 | 2.30 | | | 78.20 | | | | |
| 20 | 10 | 34 | 2.60 | | | 88.40 | | | | |
| 21 | 16 | 4 | 1.96 | | | | | 7.84 | | |
| 22 | 16 | 4 | 2.00 | | | | | 8.00 | | |
| 23 | 16 | 4 | 2.30 | | | | | 9.20 | | |
| 24 | 16 | 16 | 2.10 | | | | | 33.60 | | |
| 25 | 16 | 4 | 2.60 | | | | | 10.40 | | |
| 26 | 10 | 90 | 0.60 | | | 54.00 | | | | |
| 27 | 8 | 40 | 0.30 | | 12.00 | | | | | |
| Lungimi /ø m | | | | 0.00 | 12.00 | 1526.14 | 1657.30 | 331.04 | 667.40 | 200.80 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 4.74 | 941.63 | 1471.37 | 522.49 | 1645.81 | 773.68 |
| **TOTAL kg** | | | | **5360.00** | | | | | | |

## Armare talpa fundatie cota -3.45

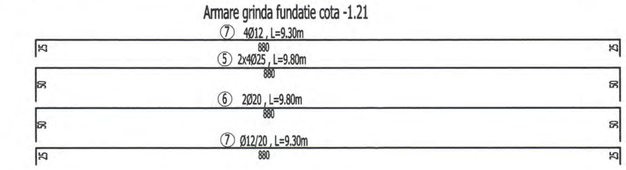



## Sectiunea 1-1 - grinda de fundare

scara 1:50

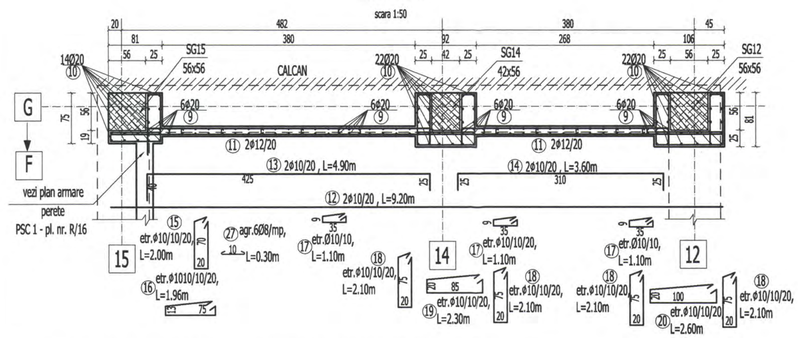



## Armare grinda fundatie cota -1.21



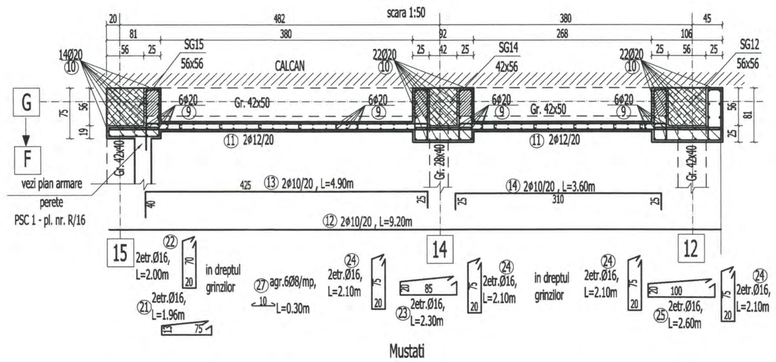

## Sectiunea 2 - 2

scara 1:50



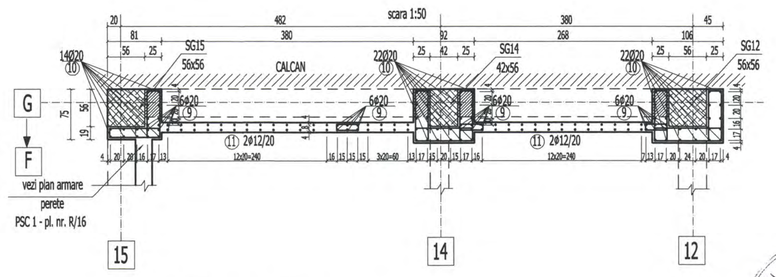

## Sectiunea 3 - 3

scara 1:50




## Mustati

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/35 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan cofraj
- R/37 - Elevatie si sectiuni perete structural PSI 1. Plan cofraj
- R/38 - Elevatie si sectiuni perete structural PSI 1. Plan armare

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

NEFIAN H. HARUTIUN ROMANIA M.I.P.A.T.-D.C.I.P. NR. 95 A1 - A2 INGINER EXPERT TEHNIC

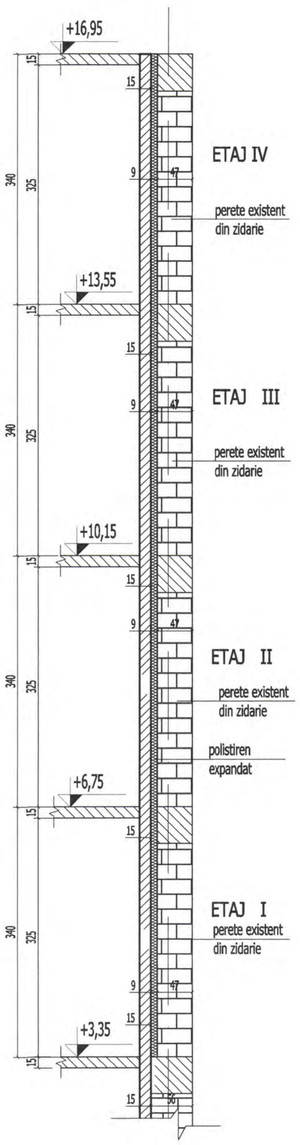
RADU I. MARIAN ROMÂNIA M.I.P.A.T.-D.C.I.P. NR. 2971 A1, A2, A3, A8, A10 INGINER VERIFICATOR PROIECTE

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G / 12- 15 . SUBSOL SI PARTER -PLAN ARMARE- | Plansa: R/36 |
| DESENAT | Ing. A. Pruna | | | | |

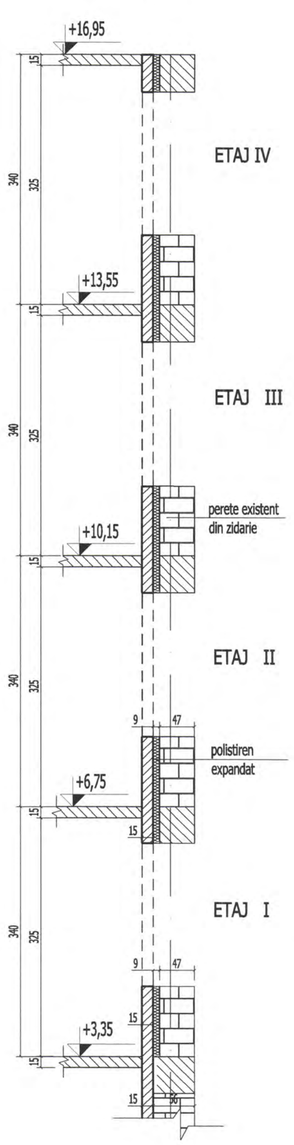
# PERETE PSI 1 AX G / 12 - 15 - PLAN COFRAJ

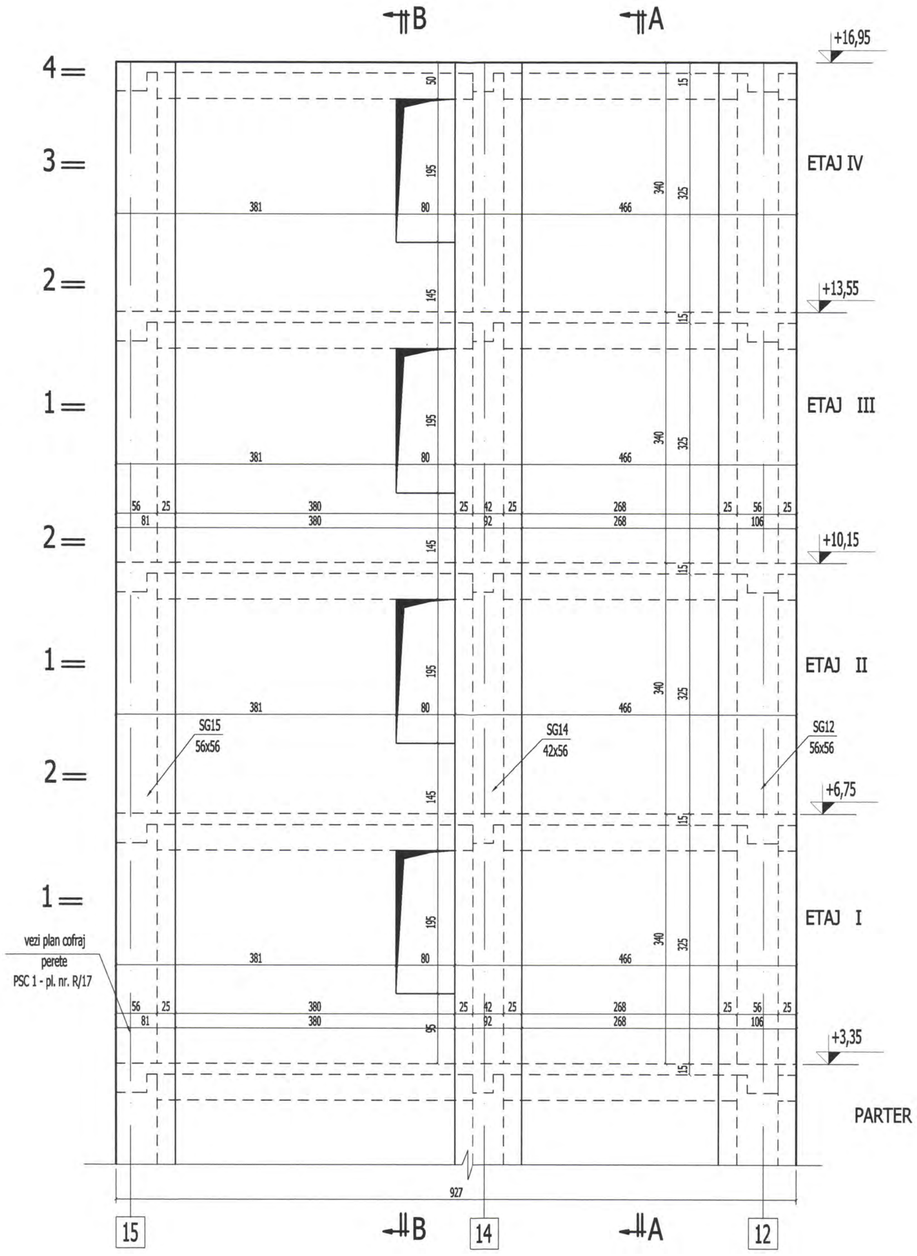
scara 1:50

Sectiunea A-A
scara 1:50

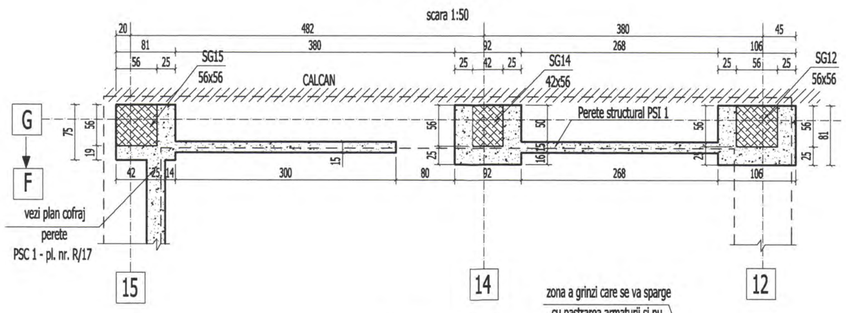



Sectiunea B-B
scara 1:50

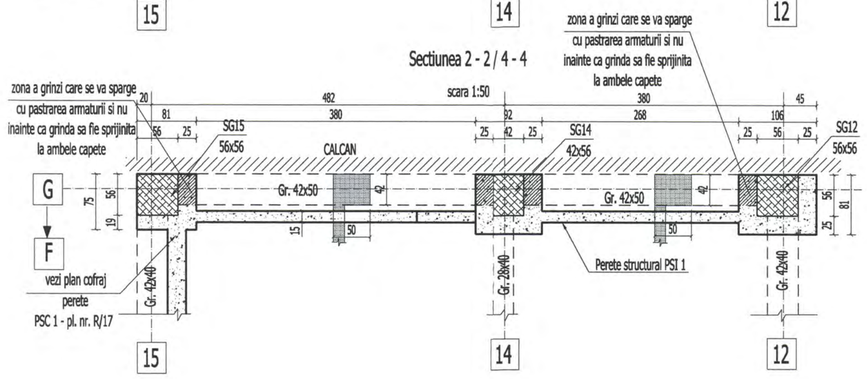



Sectiunea 1 - 1 / 3 - 3
scara 1:50




Sectiunea 2 - 2 / 4 - 4
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

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- R/13 - Plan cofraj fundatii
- R/35 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan cofraj
- R/36 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan armare
- R/38 - Elevatie si sectiuni perete structural PSI 1. Plan armare

RADU I. MARIAN ... NR. 291 ... A2, A3, A8, A10 ... INGINER VERIFICATOR PROIECTE

NEFTIANU H. HARUTIUN ... ROMANIA ... NR. 95 ... A1-A2 ... INGINER EXPERT TEHNIC

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

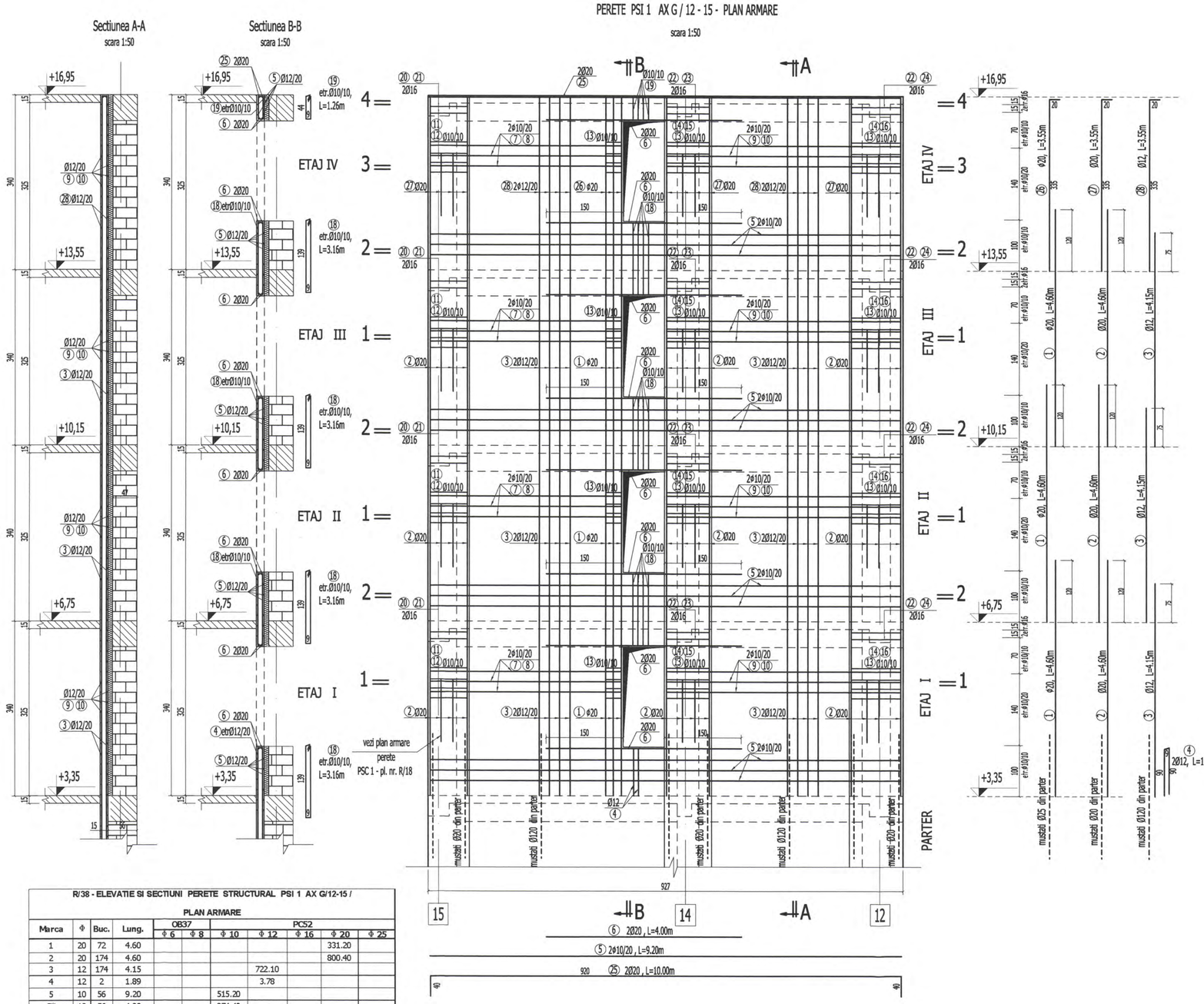
Faza: P.T.+ D.E.

Corp A — ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G / 12- 15 -PLAN COFRAJ -

Plansa: R/37

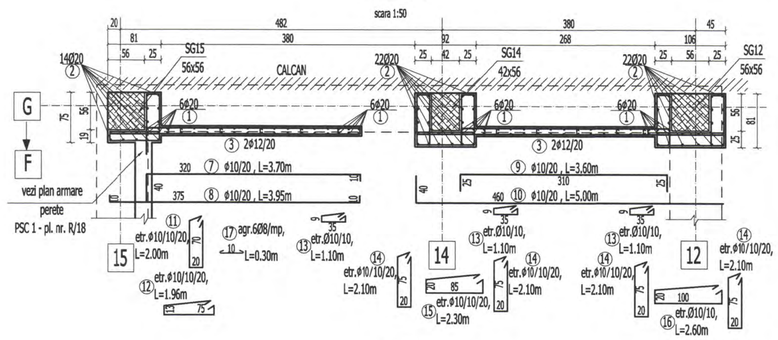
# PERETE PSI 1 AX G / 12 - 15 - PLAN ARMARE

scara 1:50



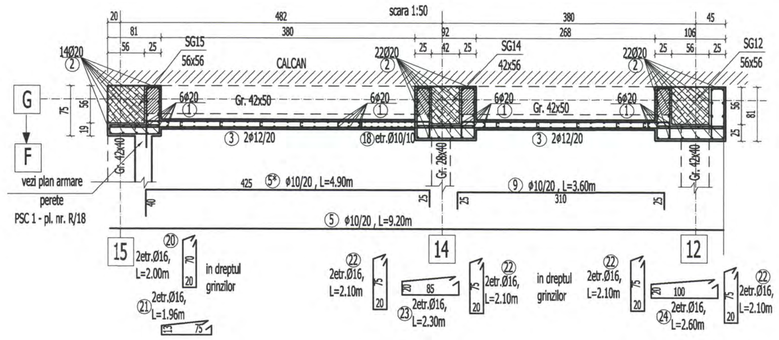

## Sectiunea 1 - 1

scara 1:50




## Sectiunea 2 - 2

scara 1:50



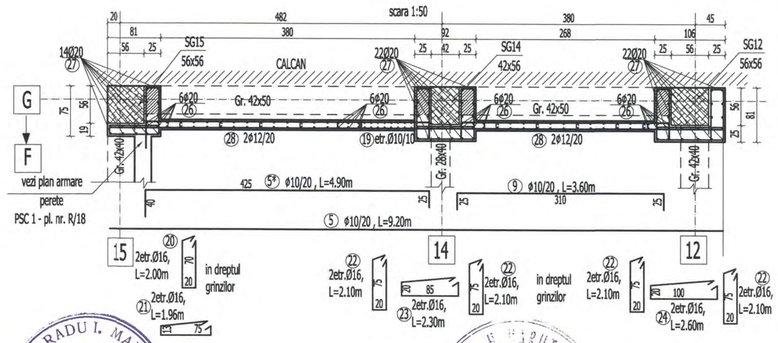

## Sectiunea 3 - 3

scara 1:50




## Sectiunea 4 - 4

scara 1:50




| R/38 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G/12-15 / PLAN ARMARE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 72 | 4.60 | | | | | | 331.20 | |
| 2 | 20 | 174 | 4.60 | | | | | | 800.40 | |
| 3 | 12 | 174 | 4.15 | | | | 722.10 | | | |
| 4 | 12 | 2 | 1.89 | | | | 3.78 | | | |
| 5 | 10 | 56 | 9.20 | | | 515.20 | | | | |
| 5* | 10 | 56 | 4.90 | | | 274.40 | | | | |
| 6 | 20 | 16 | 4.00 | | | | | | 64.00 | |
| 7 | 10 | 80 | 3.70 | | | 296.00 | | | | |
| 8 | 10 | 80 | 3.95 | | | 316.00 | | | | |
| 9 | 10 | 136 | 3.60 | | | 489.60 | | | | |
| 10 | 10 | 80 | 5.00 | | | 400.00 | | | | |
| 11 | 10 | 96 | 2.00 | | | 192.00 | | | | |
| 12 | 10 | 96 | 1.96 | | | 188.16 | | | | |
| 13 | 10 | 372 | 1.10 | | | 409.20 | | | | |
| 14 | 10 | 384 | 2.10 | | | 806.40 | | | | |
| 15 | 10 | 96 | 2.30 | | | 220.80 | | | | |
| 16 | 10 | 96 | 2.60 | | | 249.60 | | | | |
| 17 | 8 | 360 | 0.30 | | 108.00 | | | | | |
| 18 | 10 | 27 | 3.16 | | | 85.32 | | | | |
| 19 | 10 | 9 | 1.26 | | | 11.34 | | | | |
| 20 | 16 | 8 | 2.00 | | | | | 16.00 | | |
| 21 | 16 | 8 | 1.96 | | | | | 15.68 | | |
| 22 | 16 | 32 | 2.10 | | | | | 67.20 | | |
| 23 | 16 | 8 | 2.30 | | | | | 18.40 | | |
| 24 | 16 | 8 | 2.60 | | | | | 20.80 | | |
| 25 | 20 | 2 | 10.00 | | | | | | 20.00 | |
| 26 | 20 | 24 | 3.55 | | | | | | 85.20 | |
| 27 | 20 | 58 | 3.55 | | | | | | 205.90 | |
| 28 | 12 | 58 | 3.55 | | | | 205.90 | | | |
| Lungimi /ø m | | | | 0.00 | 108.00 | 4454.02 | 931.78 | 138.08 | 1506.70 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 42.66 | 2748.13 | 827.25 | 217.94 | 3715.52 | 0.00 |
| TOTAL kg | | | | 7552.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii
- R/35 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan cofraj
- R/36 - Elevatie si sectiuni perete structural PSI 1. Subsol si parter. Plan armare
- R/37 - Elevatie si sectiuni perete structural PSI 1. Plan cofraj

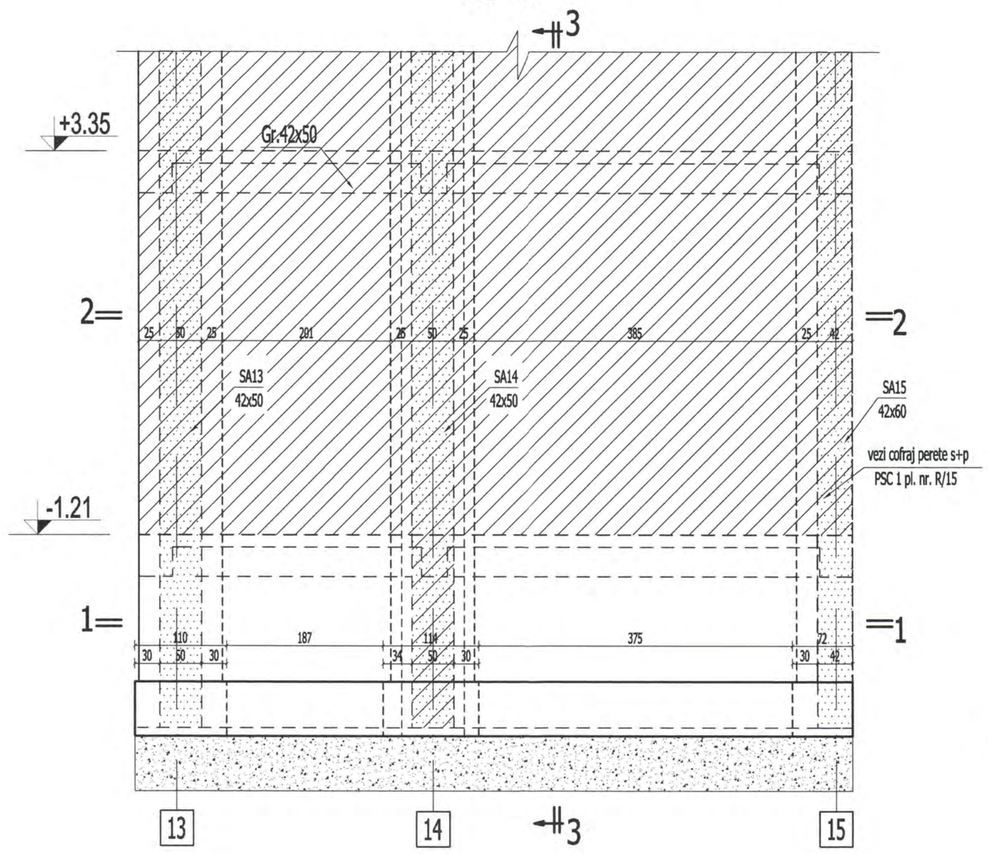
RADU I. MARIAN ROMÂNIA CALFAT-DVA INGINER VERIFICATOR PROIECTE

NEFIAN A. MARIUTIUM INGINER

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. H. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 1 AX G / 12- 15 -PLAN ARMARE- | Plansa: R/38 |
| DESENAT | Ing. A. Pruna | | | | |

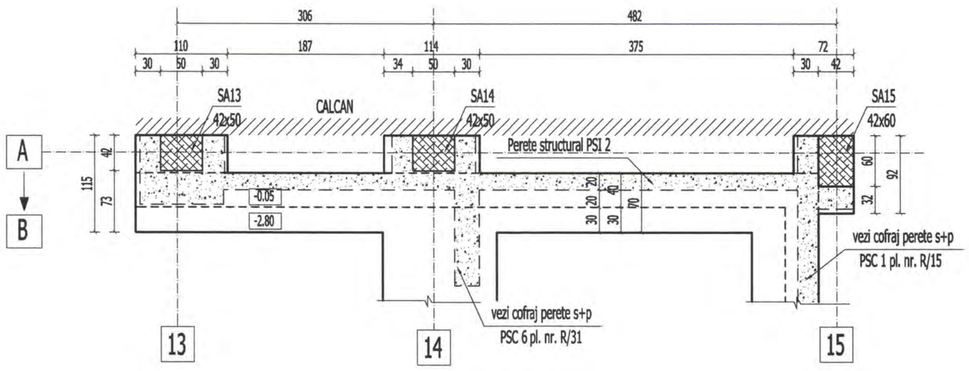
# GRINDA FUNDATIE PERETE PSI 2 AX A/13 - 15 - COFRAJ

scara 1:50



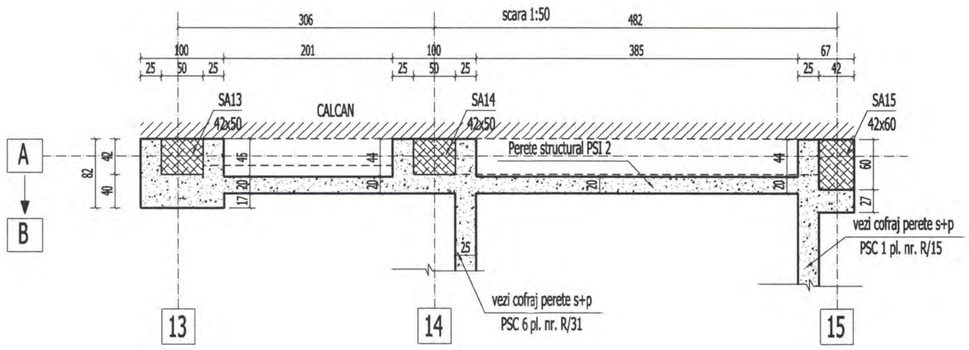

Sectiunea 1-1 - grinda de fundare

scara 1:50



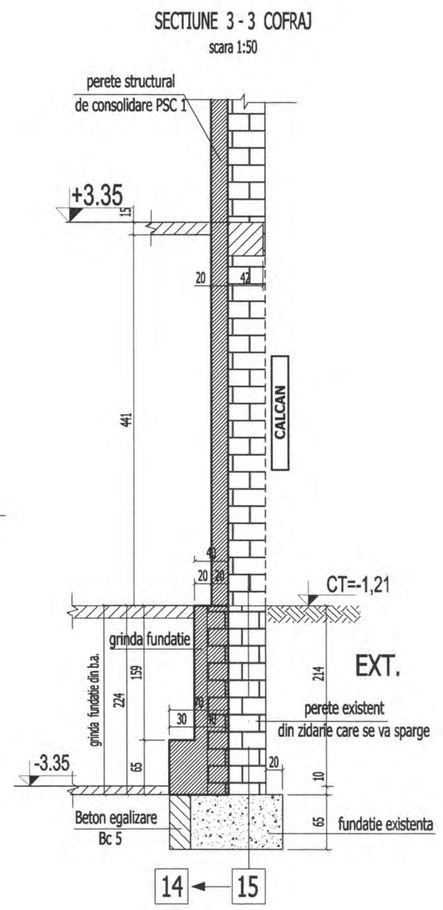

Sectiunea 2-2 - parter

scara 1:50




SECTIUNE 3 - 3 COFRAJ

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/40 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan armare
- R/41 - Elevatie si sectiuni perete structural PSI 2. Plan cofraj
- R/42 - Elevatie si sectiuni perete structural PSI 2. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

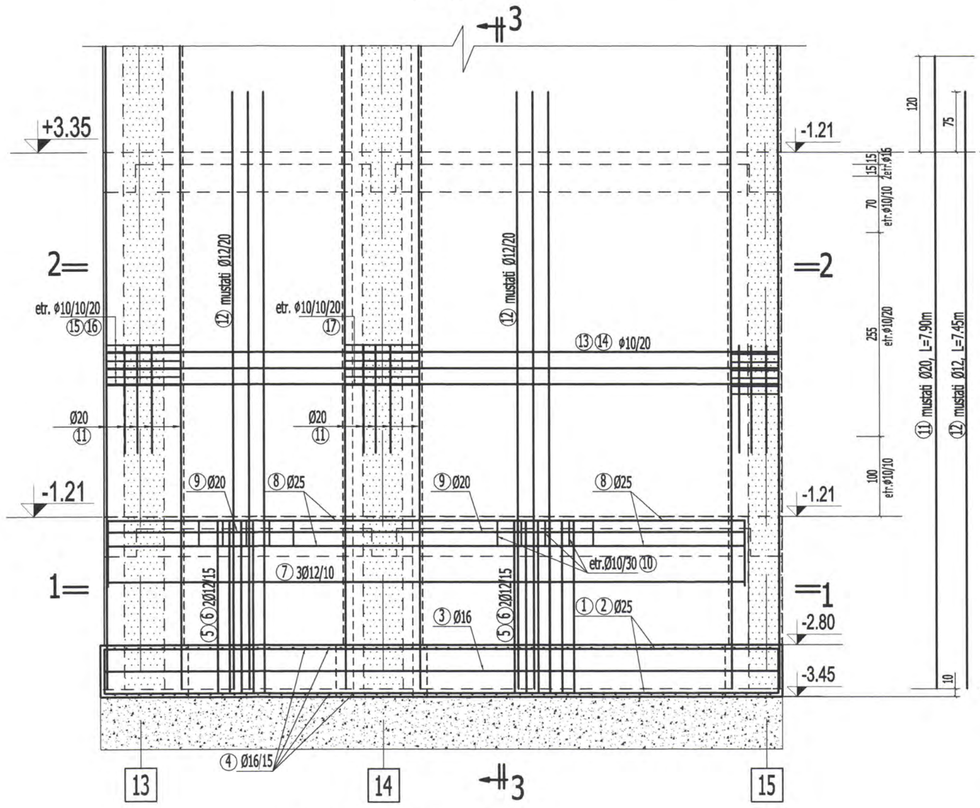
Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A / 13 - 15 -PLAN COFRAJ -

Faza: P.T.+ D.E.

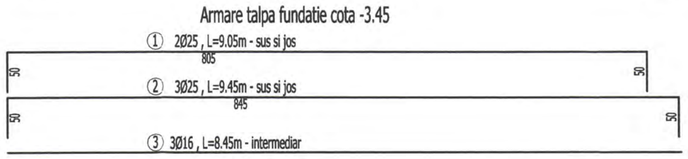
Plansa: R/39

# GRINDA FUNDATIE PERETE PSI 2 AX A/13 - 15 - ARMARE

scara 1:50

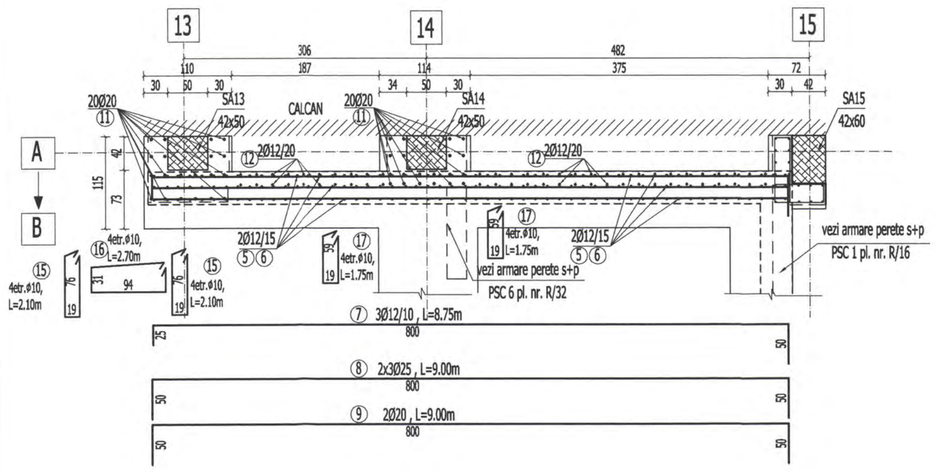



Armare talpa fundatie cota -3.45



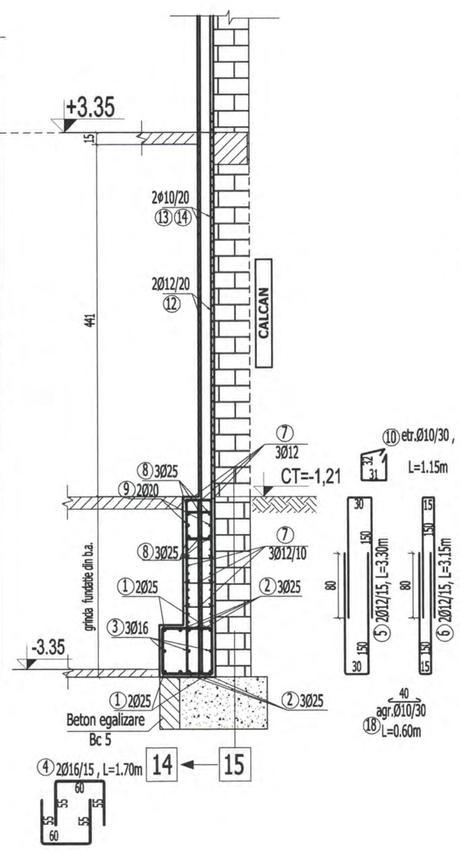

## Sectiunea 1 - 1 - grinda de fundare

scara 1:50



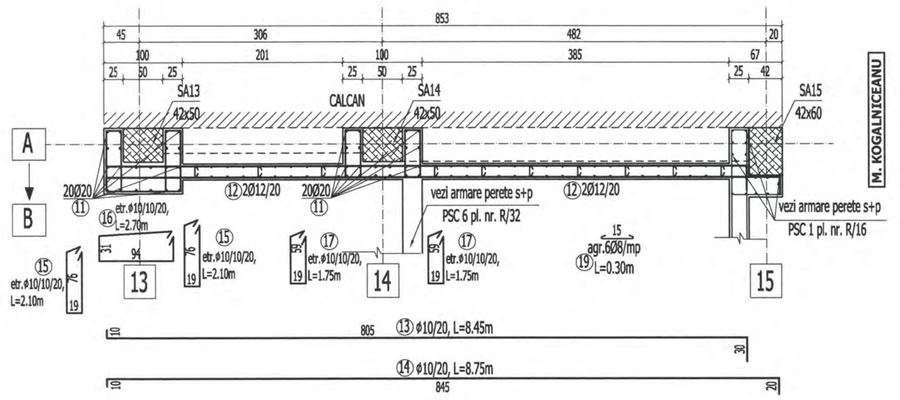

## SECTIUNE 3 - 3 ARMARE

scara 1:50



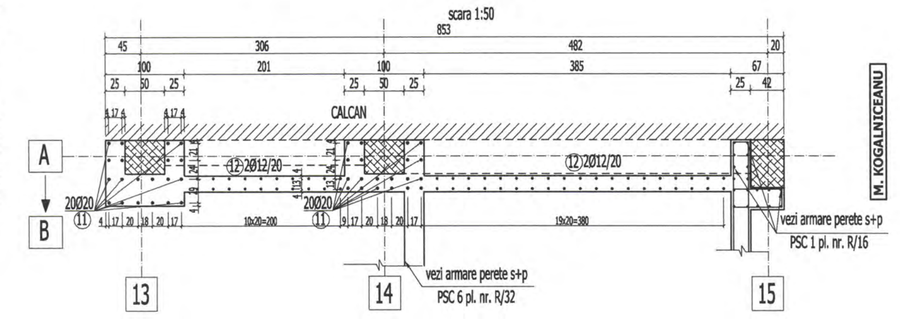

## Sectiunea 2-2 - parter

scara 1:50




## Mustati la cota +3.35

scara 1:50




| R/40 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A/13-15 / SUBSOL SI PARTER . PLAN ARMARE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 4 | 9.05 | | | | | | | 36.20 |
| 2 | 25 | 6 | 9.45 | | | | | | | 56.70 |
| 3 | 16 | 3 | 8.45 | | | | | 25.35 | | |
| 4 | 16 | 112 | 1.70 | | | | | 190.40 | | |
| 5 | 12 | 112 | 3.30 | | | | 369.60 | | | |
| 6 | 12 | 112 | 3.15 | | | | 352.80 | | | |
| 7 | 12 | 36 | 8.75 | | | | 315.00 | | | |
| 8 | 25 | 6 | 9.00 | | | | | | | 54.00 |
| 9 | 20 | 2 | 9.00 | | | | | | 18.00 | |
| 10 | 10 | 28 | 1.15 | | | 32.20 | | | | |
| 11 | 20 | 40 | 7.90 | | | | | | 316.00 | |
| 12 | 12 | 56 | 7.45 | | | | 417.20 | | | |
| 13 | 10 | 22 | 8.45 | | | 185.90 | | | | |
| 14 | 10 | 22 | 8.75 | | | 192.50 | | | | |
| 15 | 10 | 68 | 2.10 | | | 142.80 | | | | |
| 16 | 10 | 34 | 2.70 | | | 91.80 | | | | |
| 17 | 10 | 68 | 1.75 | | | 119.00 | | | | |
| 18 | 10 | 84 | 0.60 | | | 50.40 | | | | |
| 19 | 8 | 192 | 0.30 | | 57.60 | | | | | |
| Lungimi /ø m | | | | 0.00 | 57.60 | 814.60 | 1454.60 | 215.75 | 334.00 | 146.90 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 22.75 | 502.61 | 1291.41 | 340.53 | 823.64 | 566.01 |
| TOTAL kg | | | | 3547.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

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3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

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- R/39 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan cofraj
- R/41 - Elevatie si sectiuni perete structural PSI 2. Plan cofraj
- R/42 - Elevatie si sectiuni perete structural PSI 2. Plan armare

RADU I. MARIAN ROMANIA MLPAT-DLA NR. 291 A1, A2, A3, A8, A10 INGINER VERIFICATOR PROIECTE

MELIAN H. HARUTIUN ROMANIA MLPAT-DLA NR. 95 A1-A2 INGINER EXPERT TEHNIC

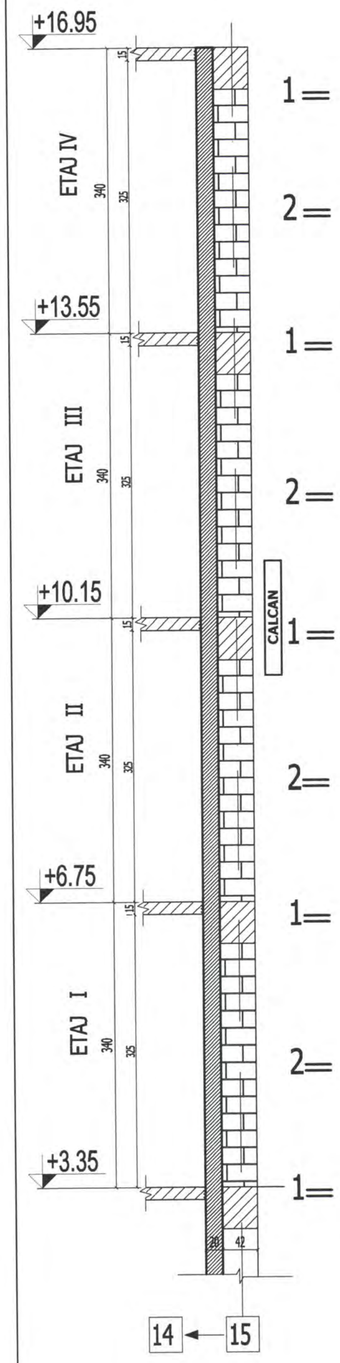
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|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 | |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A / 13 - 15 -PLAN ARMARE - | Plansa: R/40 |
| DESENAT | Ing. A. Pruna | | | | |

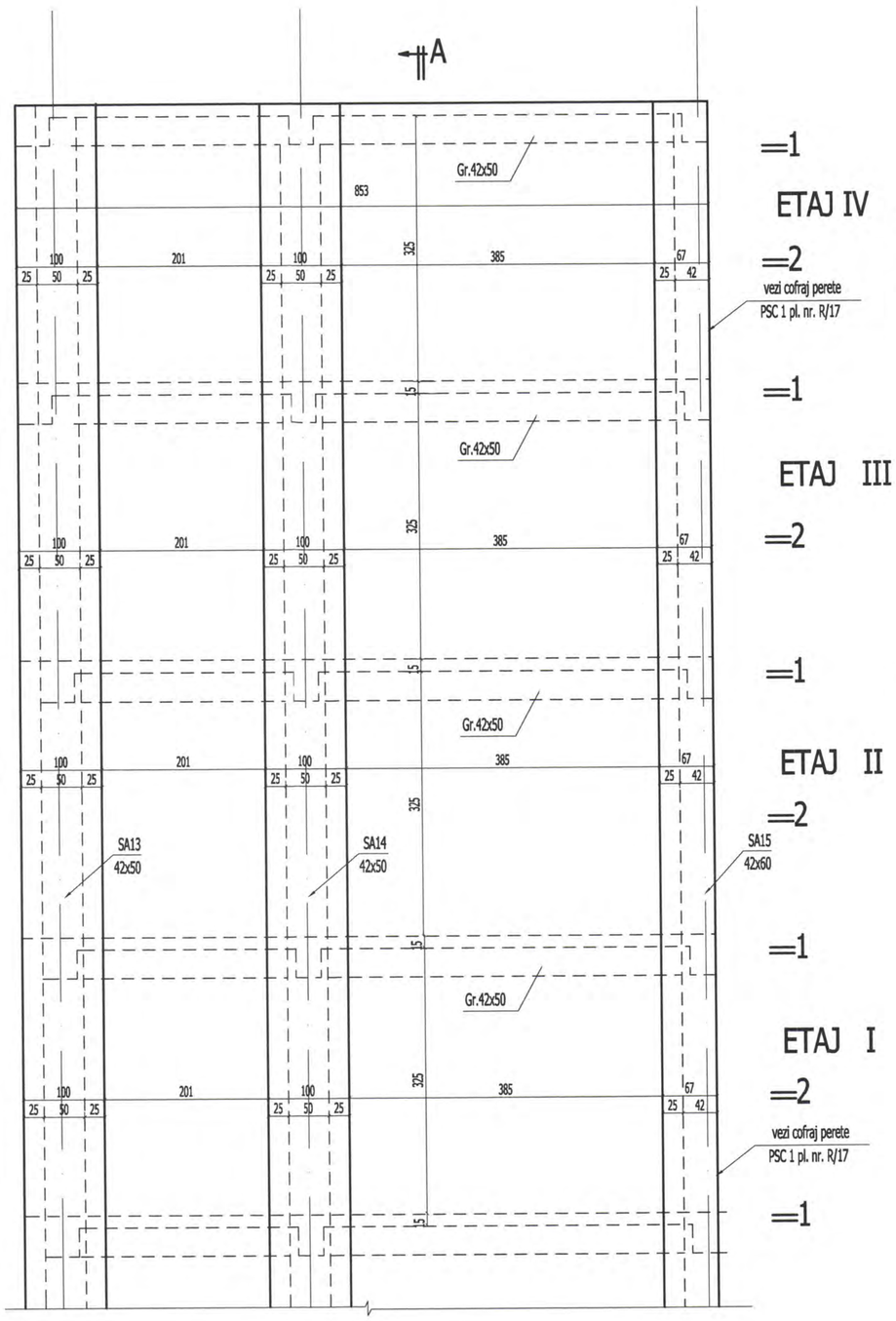
# ELEVATIE PERETE PSI 2 AX A/13 - 15 - COFRAJ

scara 1:50

## SECTIUNE A - A COFRAJ

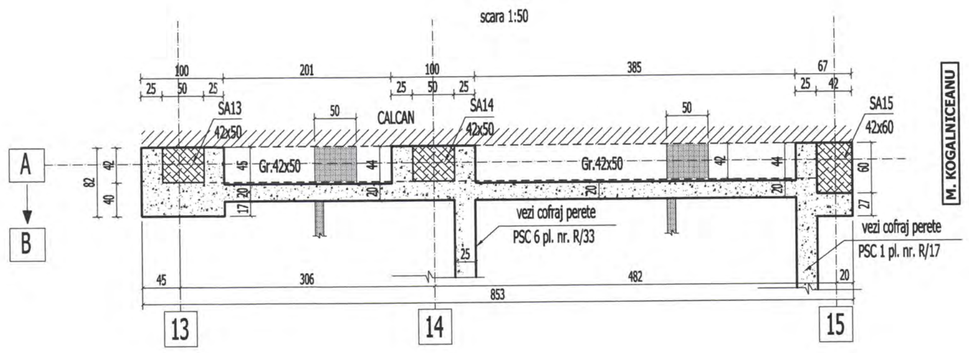
scara 1:50



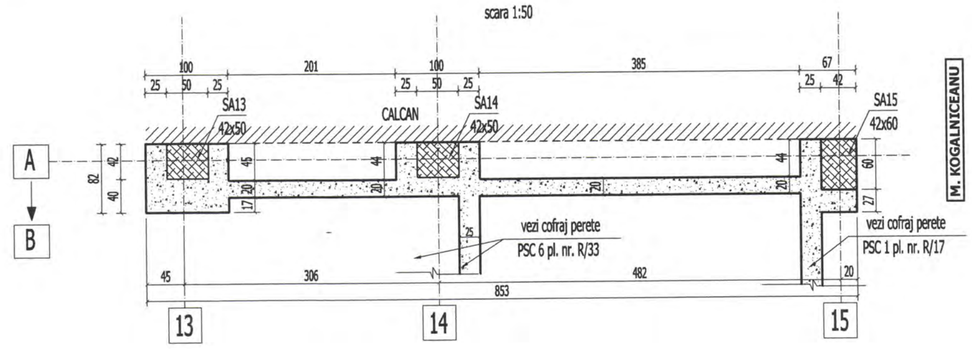

## Sectiunea 1-1

scara 1:50




## Sectiunea 2-2

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/39 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan cofraj
- R/40 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan armare
- R/42 - Elevatie si sectiuni perete structural PSI 2. Plan armare

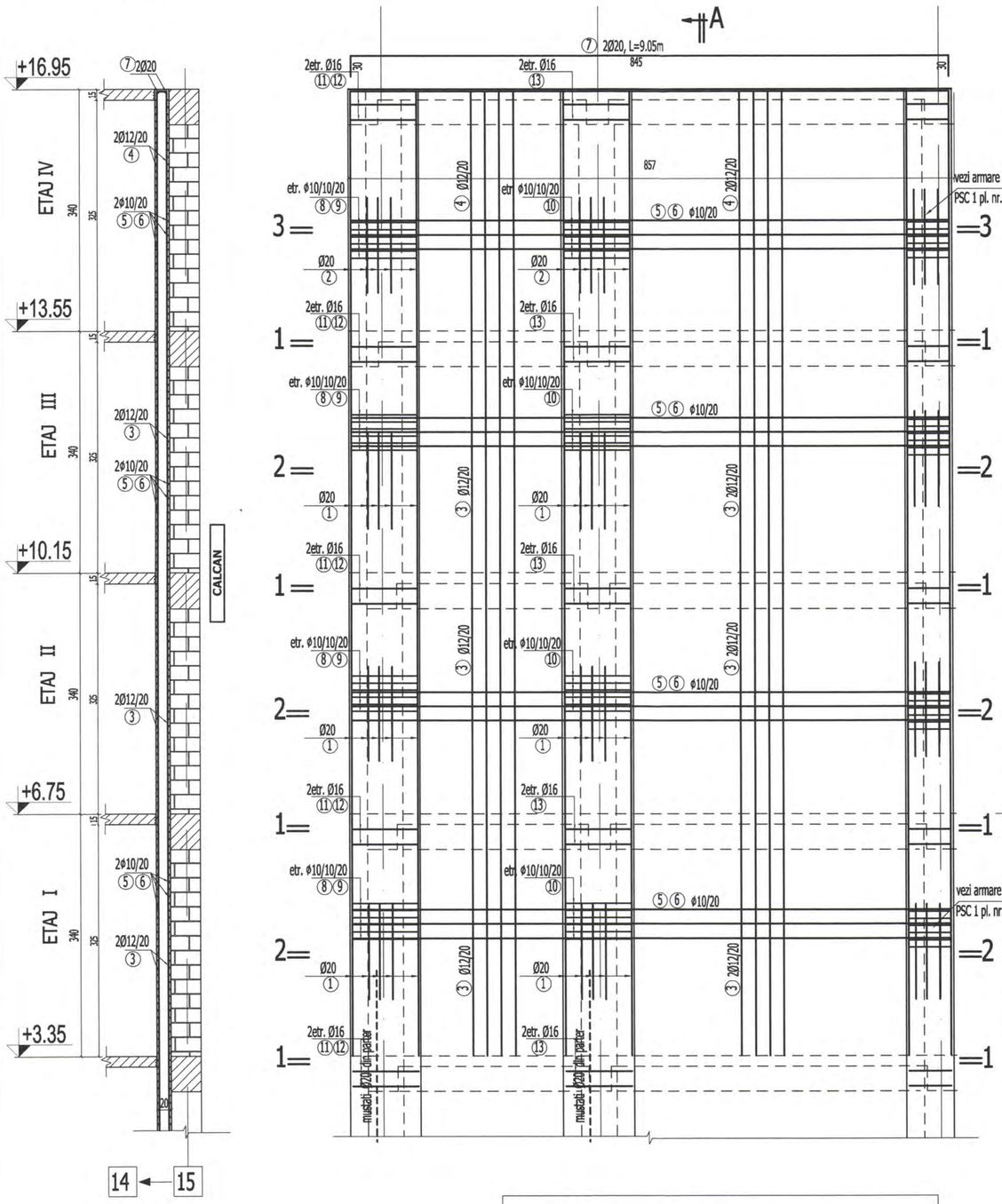
| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI — Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A/13 - 15 -PLAN COFRAJ - — Plansa: R/41 |
| DESENAT | ing. A. Pruna | | | |

# ELEVATIE PERETE PSI 2 AX A/13 - 15 - ARMARE

scara 1:50

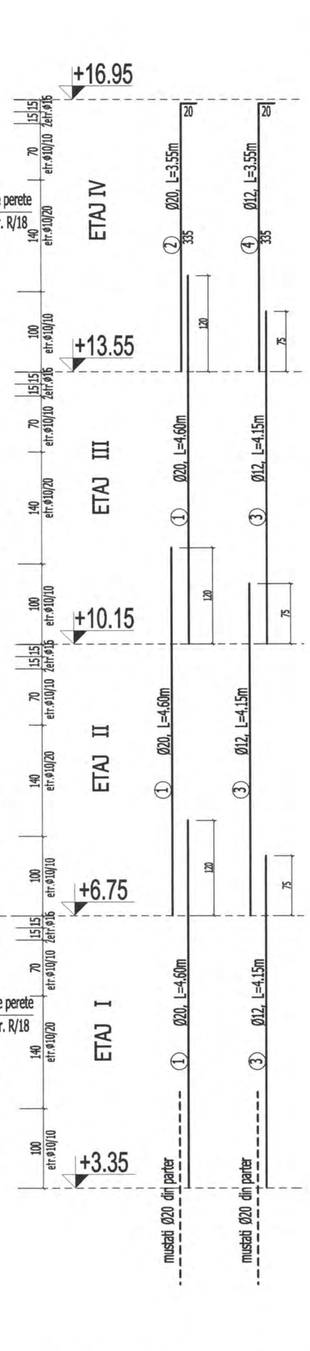
## SECTIUNE A - A ARMARE

scara 1:50



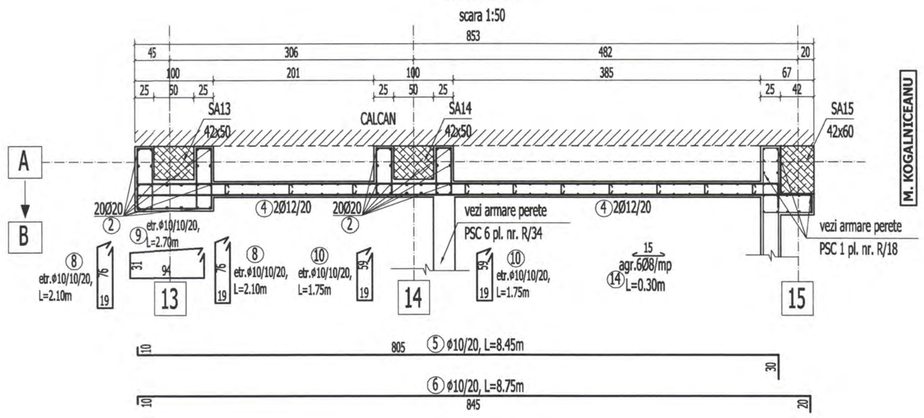






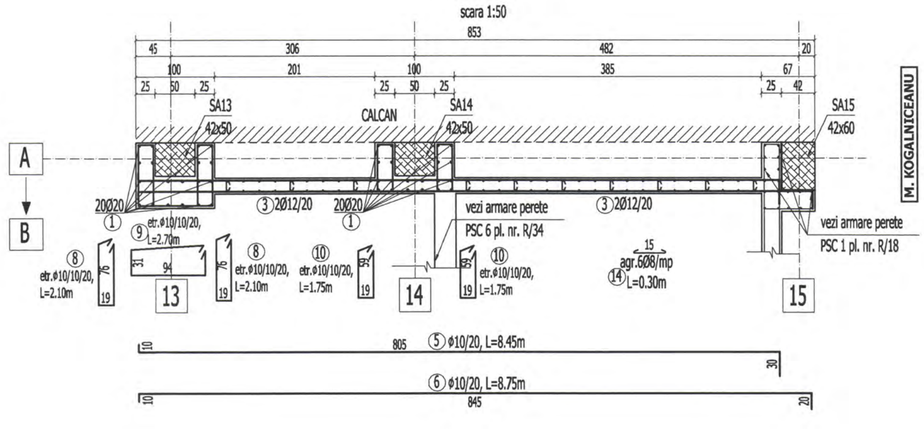

## Sectiunea 3-3

scara 1:50



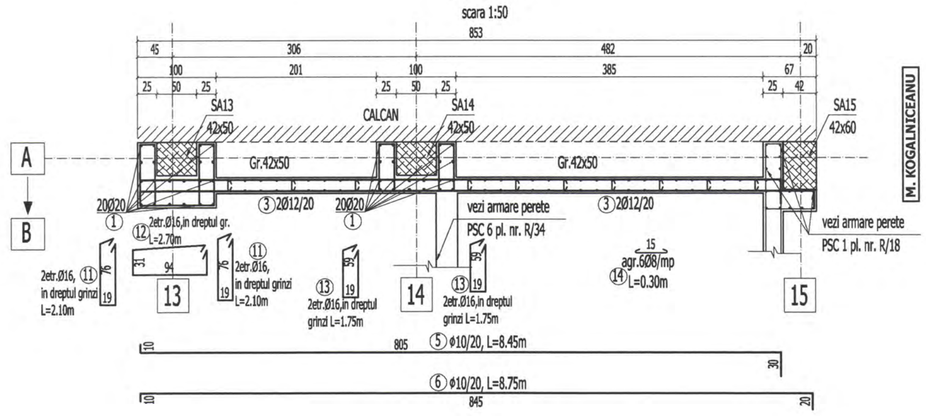

## Sectiunea 2-2

scara 1:50




## Sectiunea 1-1

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

R/42 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A/13-15 / PLAN

ARMARE

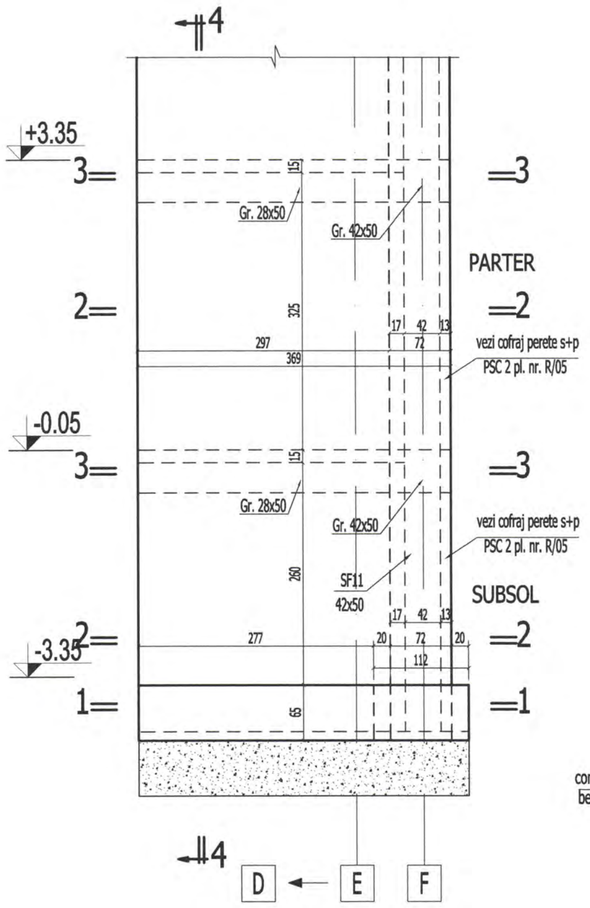
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 120 | 4.60 | | | | | | 552.00 | |
| 2 | 20 | 40 | 3.55 | | | | | | 142.00 | |
| 3 | 12 | 174 | 4.15 | | | | 722.10 | | | |
| 4 | 12 | 58 | 3.55 | | | | 205.90 | | | |
| 5 | 10 | 68 | 8.45 | | | 574.60 | | | | |
| 6 | 10 | 68 | 8.75 | | | 595.00 | | | | |
| 7 | 20 | 2 | 9.05 | | | | | | 18.10 | |
| 8 | 10 | 192 | 2.10 | | | 403.20 | | | | |
| 9 | 10 | 96 | 2.70 | | | 259.20 | | | | |
| 10 | 10 | 192 | 1.75 | | | 336.00 | | | | |
| 11 | 16 | 20 | 2.10 | | | | | 42.00 | | |
| 12 | 16 | 10 | 2.70 | | | | | 27.00 | | |
| 13 | 16 | 20 | 1.75 | | | | | 35.00 | | |
| 14 | 8 | 445 | 0.30 | | 133.50 | | | | | |
| Lungimi /ø m | | | | 0.00 | 133.50 | 2168.00 | 928.00 | 104.00 | 712.10 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 52.73 | 1337.66 | 823.89 | 164.15 | 1756.04 | 0.00 |
| TOTAL kg | | | | 4135.00 | | | | | | |

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/39 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan cofraj
- R/40 - Elevatie si sectiuni perete structural PSI 2. Subsol si parter. Plan armare
- R/41 - Elevatie si sectiuni perete structural PSI 2. Plan cofraj

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 2 AX A / 13 - 15 -PLAN ARMARE - | Plansa: R/42 |
| DESENAT | ing. A. Pruna | | | | |

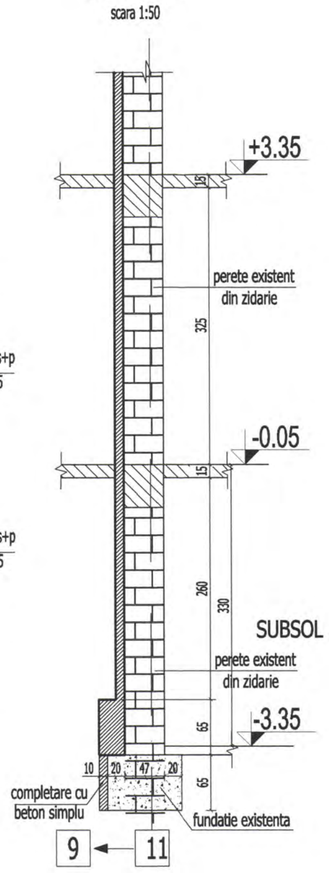
# ELEVATIE PERETE PSI 3 AX 11 - subsol + parter - COFRAJ

scara 1:50



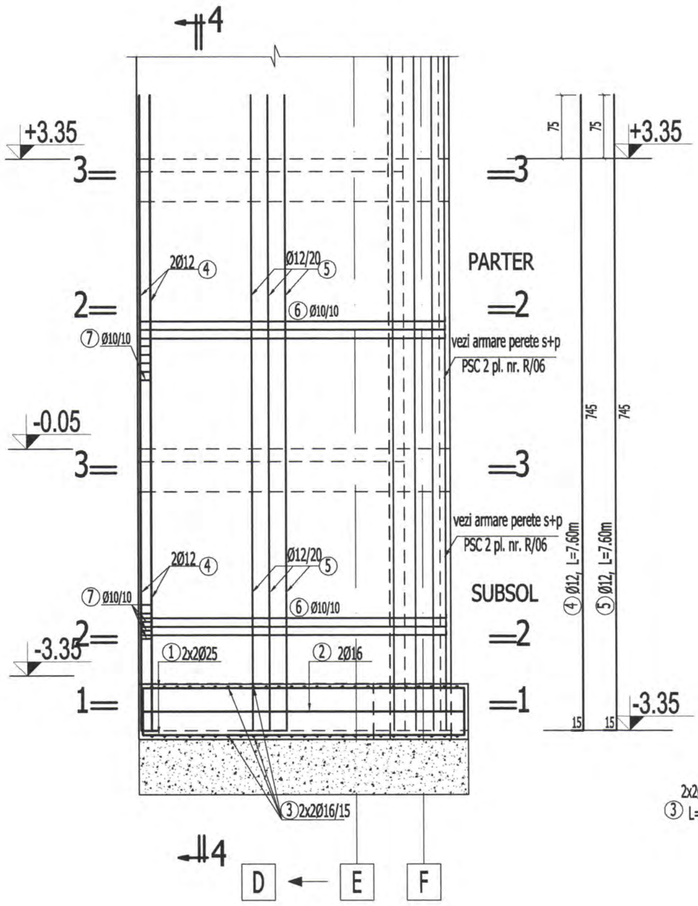

Sectiunea 4 - 4

scara 1:50



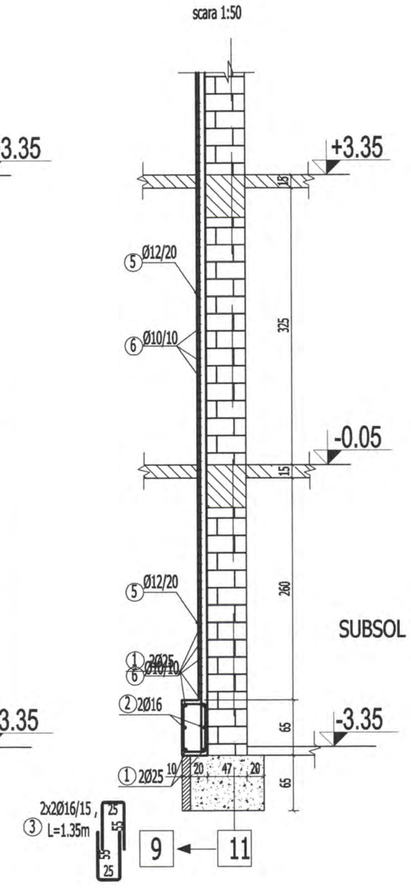

# ELEVATIE PERETE PSI 3 AX 11 - subsol + parter - ARMARE

scara 1:50



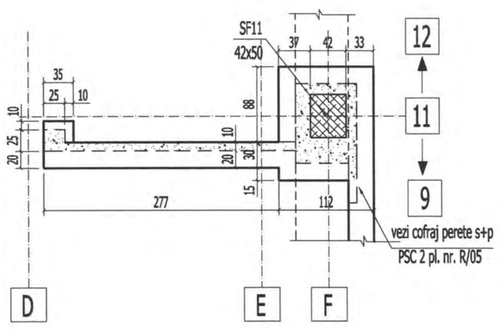

Sectiunea 4 - 4

scara 1:50



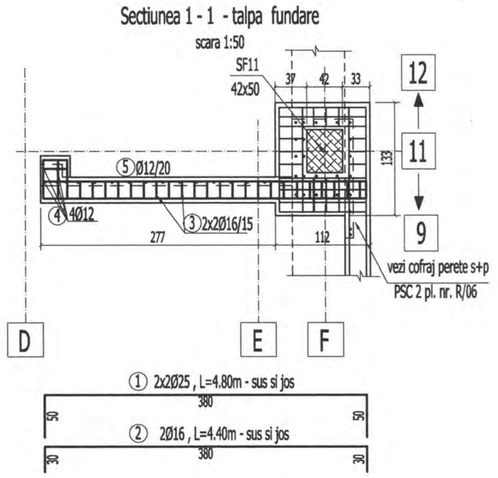

Sectiunea 1 - 1 - talpa fundare

scara 1:50




Sectiunea 1 - 1 - talpa fundare

scara 1:50

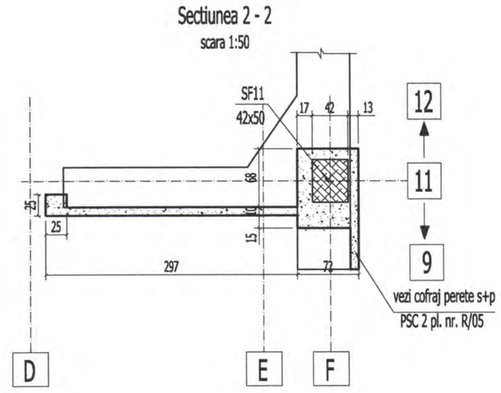



| R/43 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 3 AX 11 / ARMARE | | | | | | | | | | PLAN |
|---|---|---|---|---|---|---|---|---|---|---|
| Marca | ⌀ | Buc. | Lung. | OB37 | | PC52 | | | | |
| | | | | ⌀ 6 | ⌀ 8 | ⌀ 10 | ⌀ 12 | ⌀ 16 | ⌀ 20 | ⌀ 25 |
| 1 | 25 | 4 | 4.80 | | | | | | | 19.20 |
| 2 | 16 | 2 | 4.40 | | | | | 8.80 | | |
| 3 | 16 | 50 | 1.35 | | | | | 67.50 | | |
| 4 | 12 | 2 | 7.60 | | | | 15.20 | | | |
| 5 | 12 | 14 | 7.60 | | | | 106.40 | | | |
| 6 | 10 | 61 | 3.70 | | | 225.70 | | | | |
| 7 | 10 | 60 | 1.00 | | | 60.00 | | | | |
| Lungimi /o m | | | | 0.00 | 0.00 | 285.70 | 121.60 | 76.30 | 0.00 | 19.20 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /o m | | | | 0.00 | 0.00 | 176.28 | 107.96 | 120.43 | 0.00 | 73.98 |
| TOTAL kg | | | | 479.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

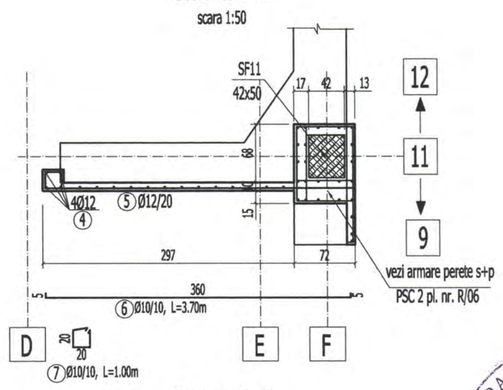
Sectiunea 2 - 2

scara 1:50




Sectiunea 2 - 2

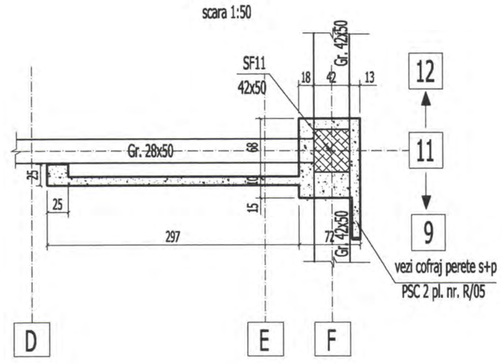
scara 1:50




1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

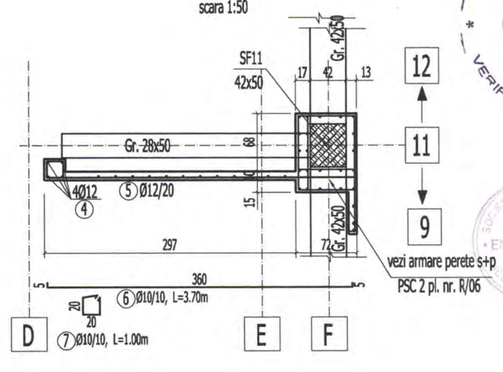
Sectiunea 3 - 3

scara 1:50




Sectiunea 3 - 3

scara 1:50




Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/43 - Elevatie si sectiuni perete structural PSI 3. Plan cofraj si armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Faza: P.T.+ D.E.

ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 3 AX 11 - subsol+parter -PLAN COFRAJ SI ARMARE -

Plansa: R/43

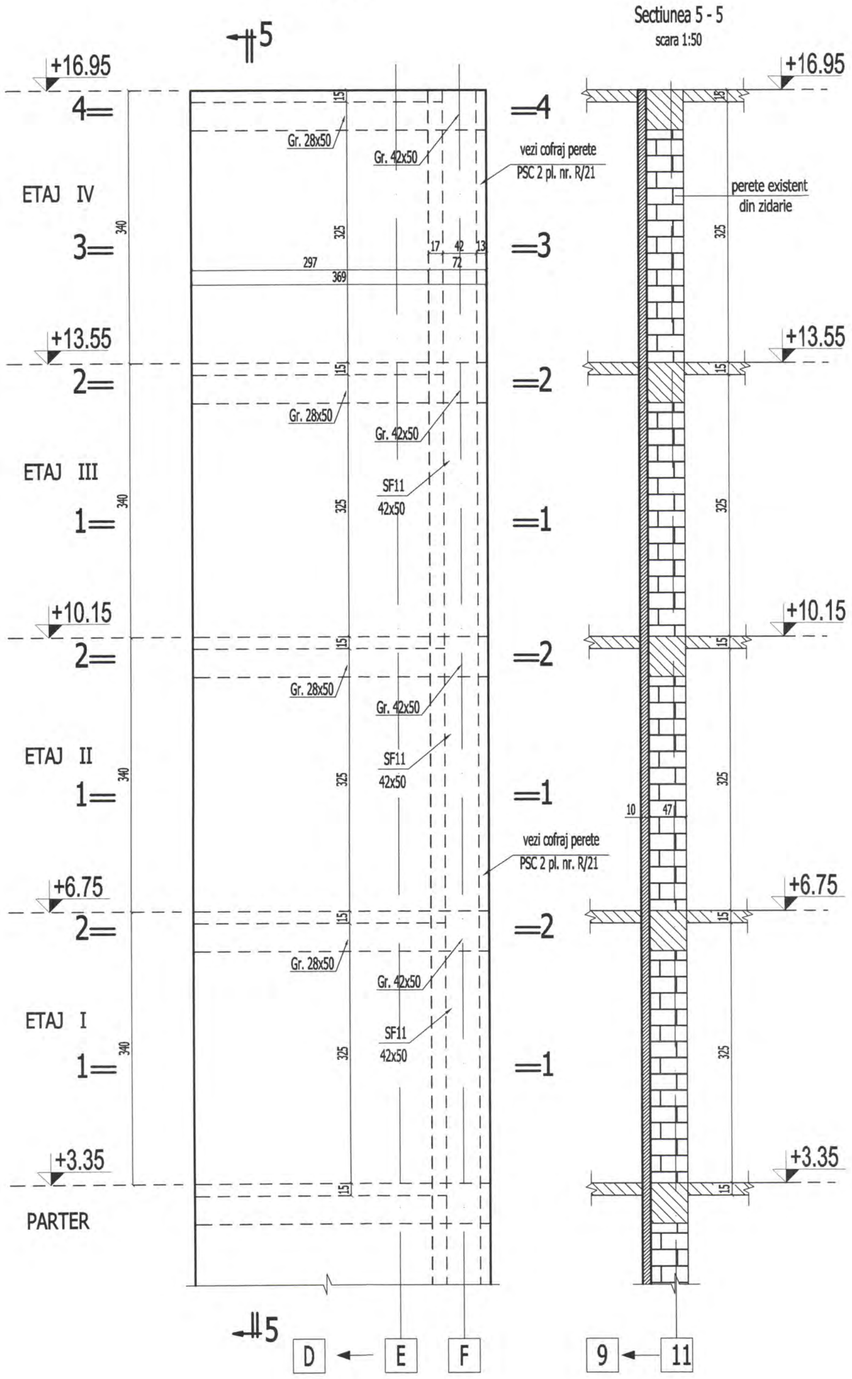
NEFTIAN M. HARUTIUN ROMANIA MLPAT-DCLP NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MLPAT-DCLP NR. 291 A1, A2, A3, A8, A10 INGINER VERIFICATOR PROIECTE

PROCEMA ENGINEERING

# ELEVATIE PERETE PSI 3 AX 11 - COFRAJ

scara 1:50



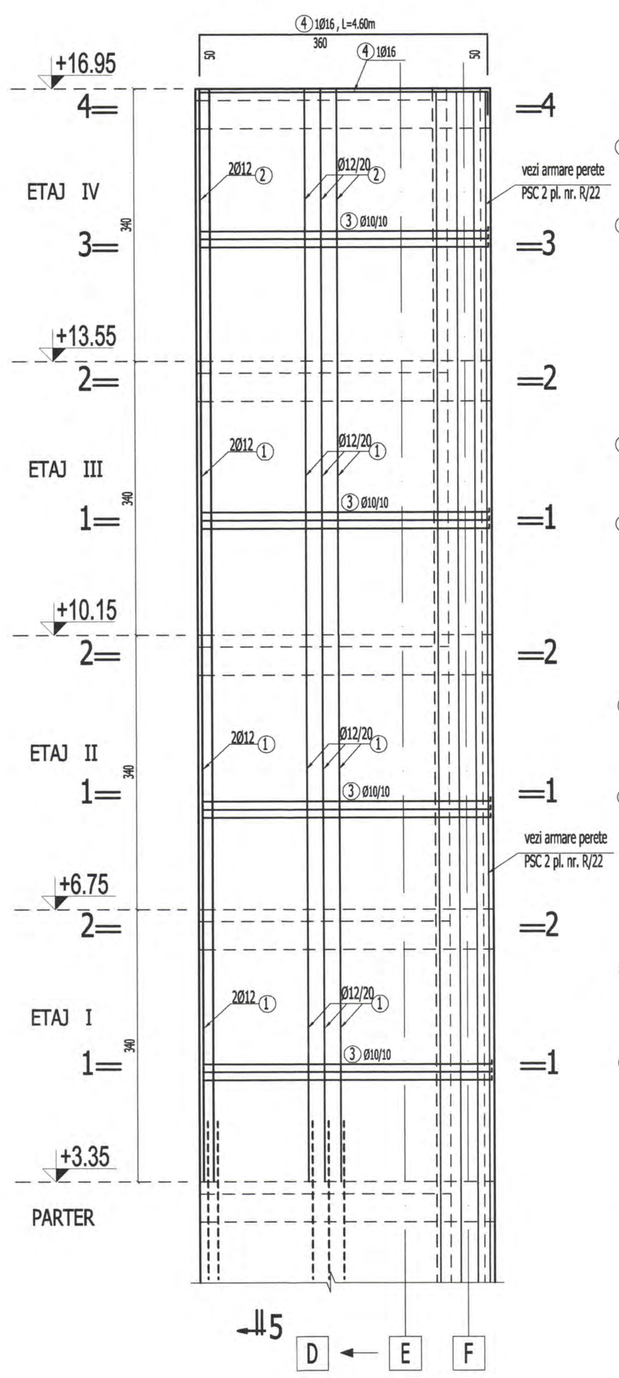

Sectiunea 5 - 5

scara 1:50



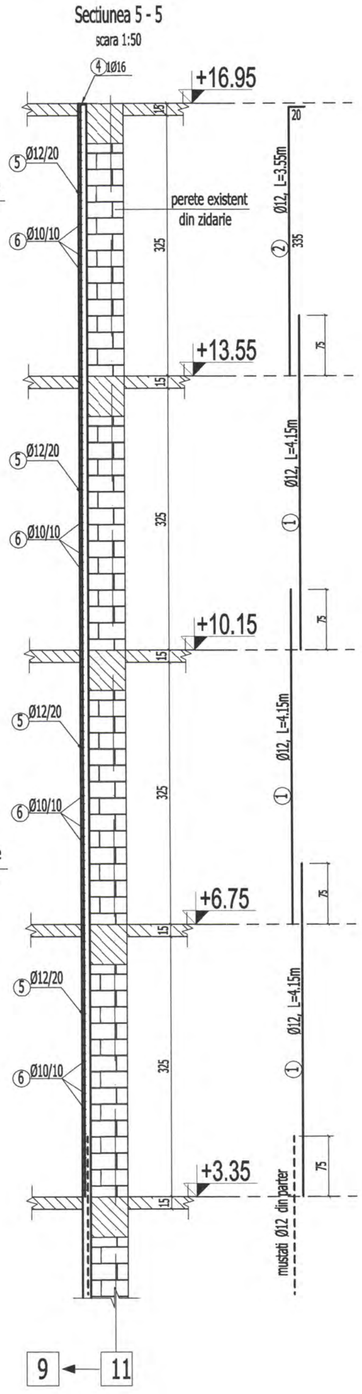

# ELEVATIE PERETE PSI 3 AX 11 - ARMARE

scara 1:50



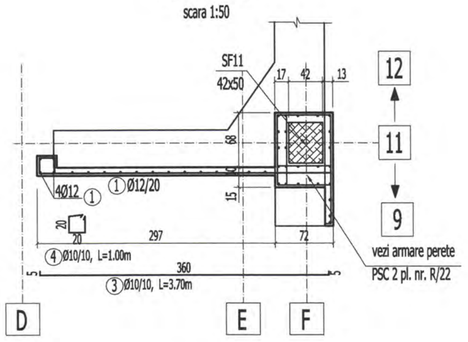

Sectiunea 5 - 5

scara 1:50



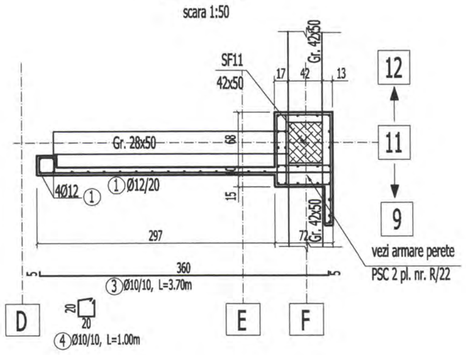

Sectiunea 1 - 1

scara 1:50



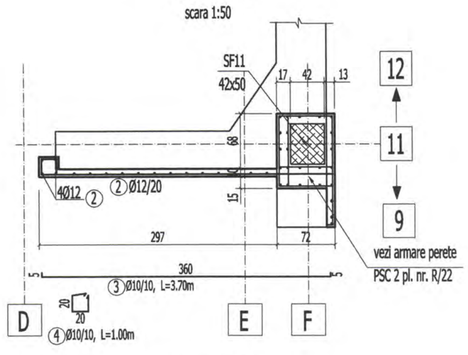

Sectiunea 2 - 2

scara 1:50



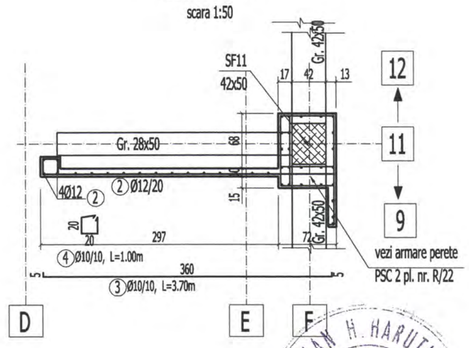

Sectiunea 3 - 3

scara 1:50



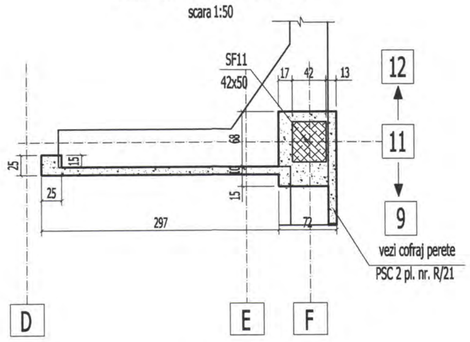

Sectiunea 4 - 4

scara 1:50



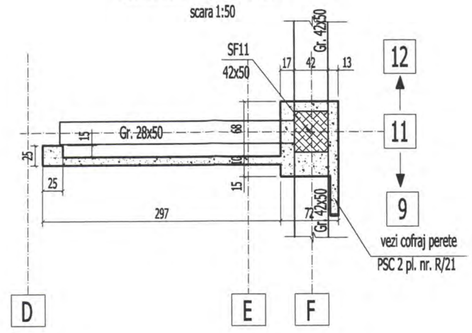

Sectiunea 1 - 1 / Sectiunea 3 - 3

scara 1:50




Sectiunea 2 - 2 / Sectiunea 4 - 4

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/43 - Elevatie si sectiuni perete structural PSI 3. Subsol si parter. Plan cofraj si armare

R/44 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 3 AX 11 / PLAN

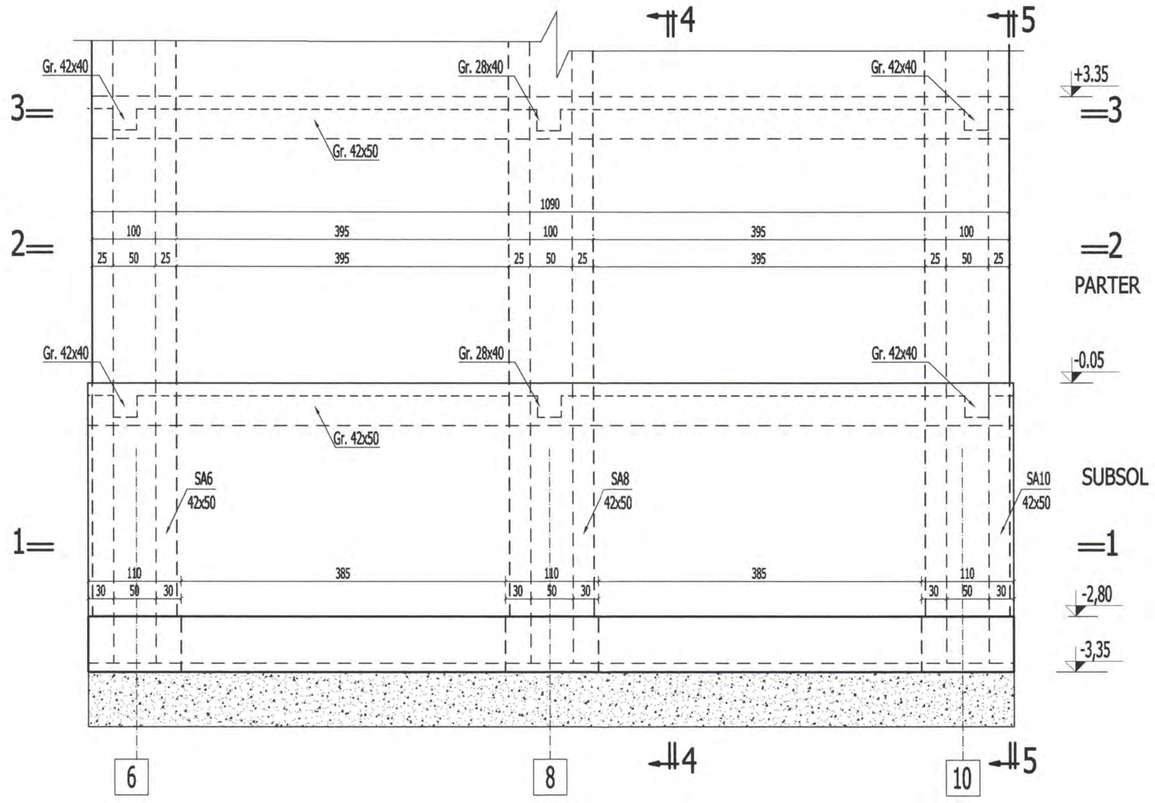
ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | PCS2 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 12 | 48 | 4.15 | | | | 199.20 | | | |
| 2 | 12 | 16 | 3.55 | | | | 56.80 | | | |
| 3 | 10 | 136 | 3.70 | | | 503.20 | | | | |
| 4 | 10 | 136 | 1.00 | | | 136.00 | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 639.20 | 256.00 | 0.00 | 0.00 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 394.39 | 227.28 | 0.00 | 0.00 | 0.00 |
| TOTAL kg | | | | 622.00 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 3 AX 11 -PLAN COFRAJ SI ARMARE- | Plansa: R/44 |
| DESENAT | ing. A. Pruna | | | | |

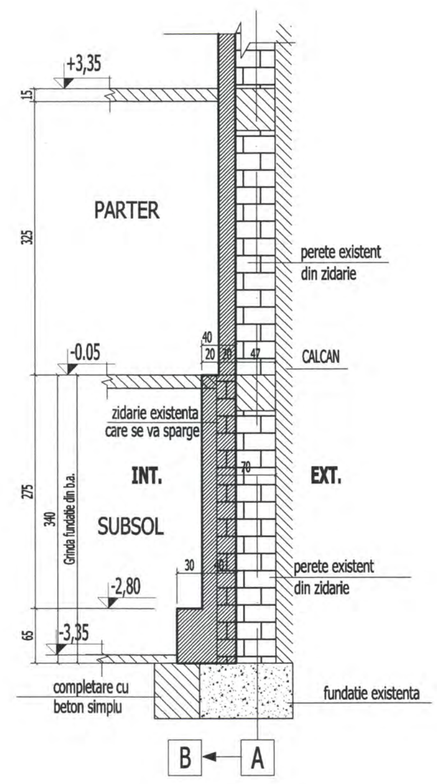
## PERETE STRUCTURAL PSI 4 - AX A / 6 - 10 - subsol + parter - COFRAJ

scara 1:50



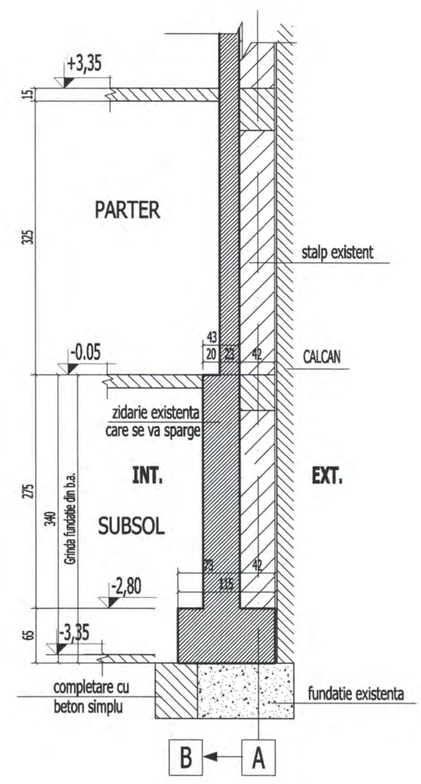

## Sectiunea 4-4

scara 1:50



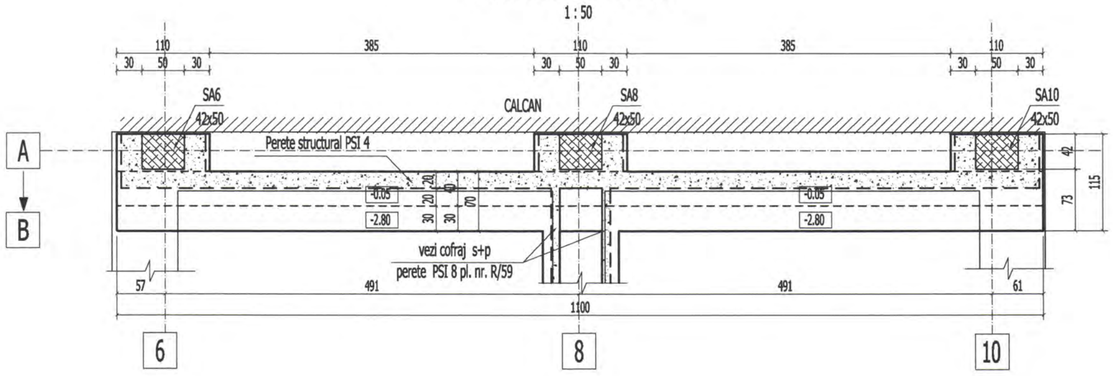

## Sectiunea 5-5

scara 1:50



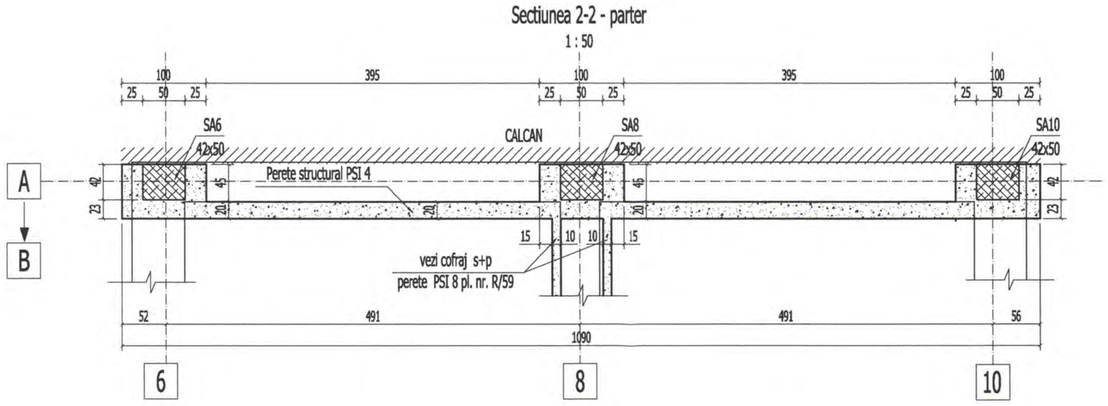

## Sectiunea 1-1 - grinda de fundare

1 : 50



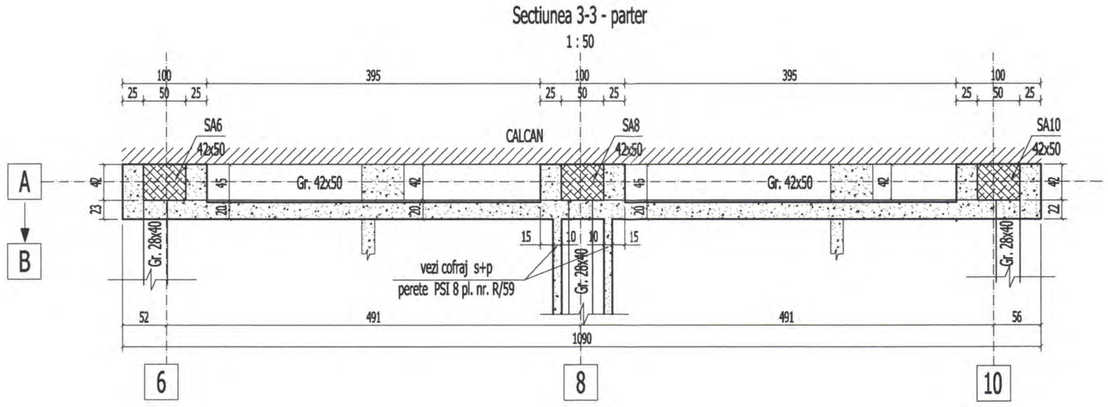

## Sectiunea 2-2 - parter

1 : 50




## Sectiunea 3-3 - parter

1 : 50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/46 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan armare
- R/47 - Elevatie si sectiuni perete structural PSI 4. Plan cofraj
- R/48 - Elevatie si sectiuni perete structural PSI 4. Plan armare

NEFIAN H. HARUTIUN ROMANIA MLPAT-DCLP NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MLPAT-DCLP NR. 291 A1, A2, A3, A8, A10 INGINER VERIFICATOR PROIECTE

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

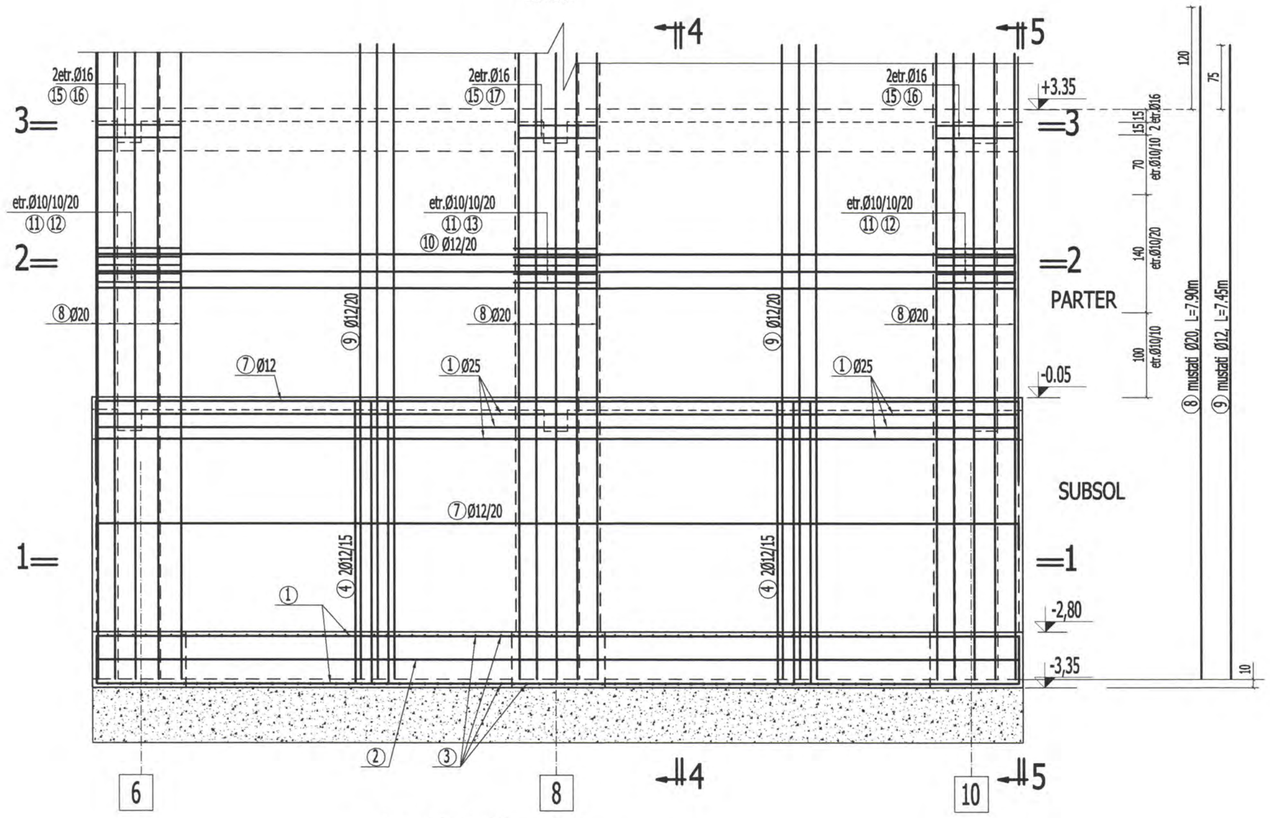
Faza: P.T.+ D.E.

Corp A — ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A / 6 - 10 . SUBSOL SI PARTER -PLAN COFRAJ -

Plansa: R/45

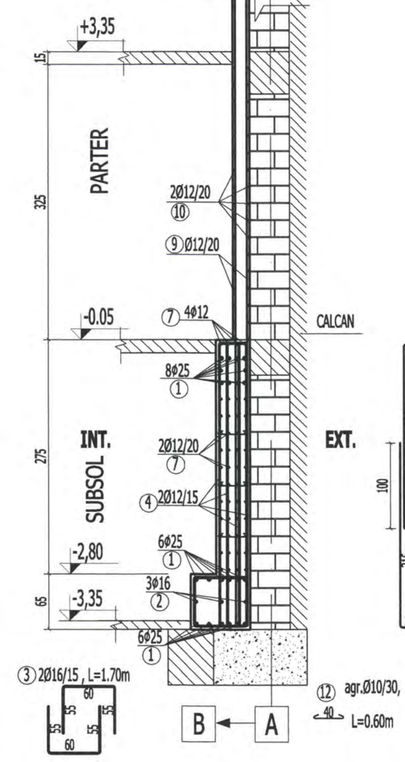
## PERETE STRUCTURAL PSI 4 - AX A / 6 - 10 - subsol + parter - ARMARE

scara 1:50



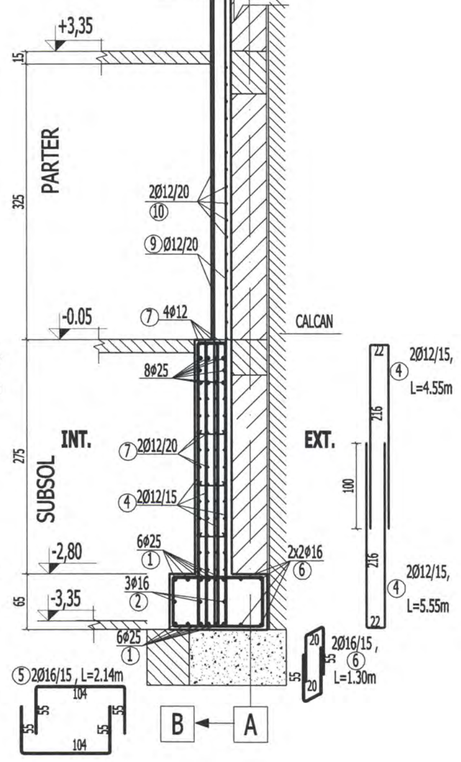

## Sectiunea 4-4

scara 1:50

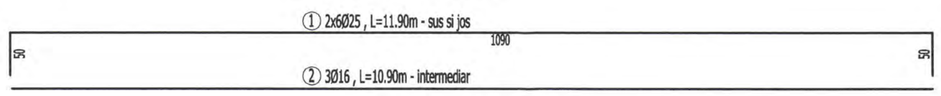



## Sectiunea 5-5

scara 1:50

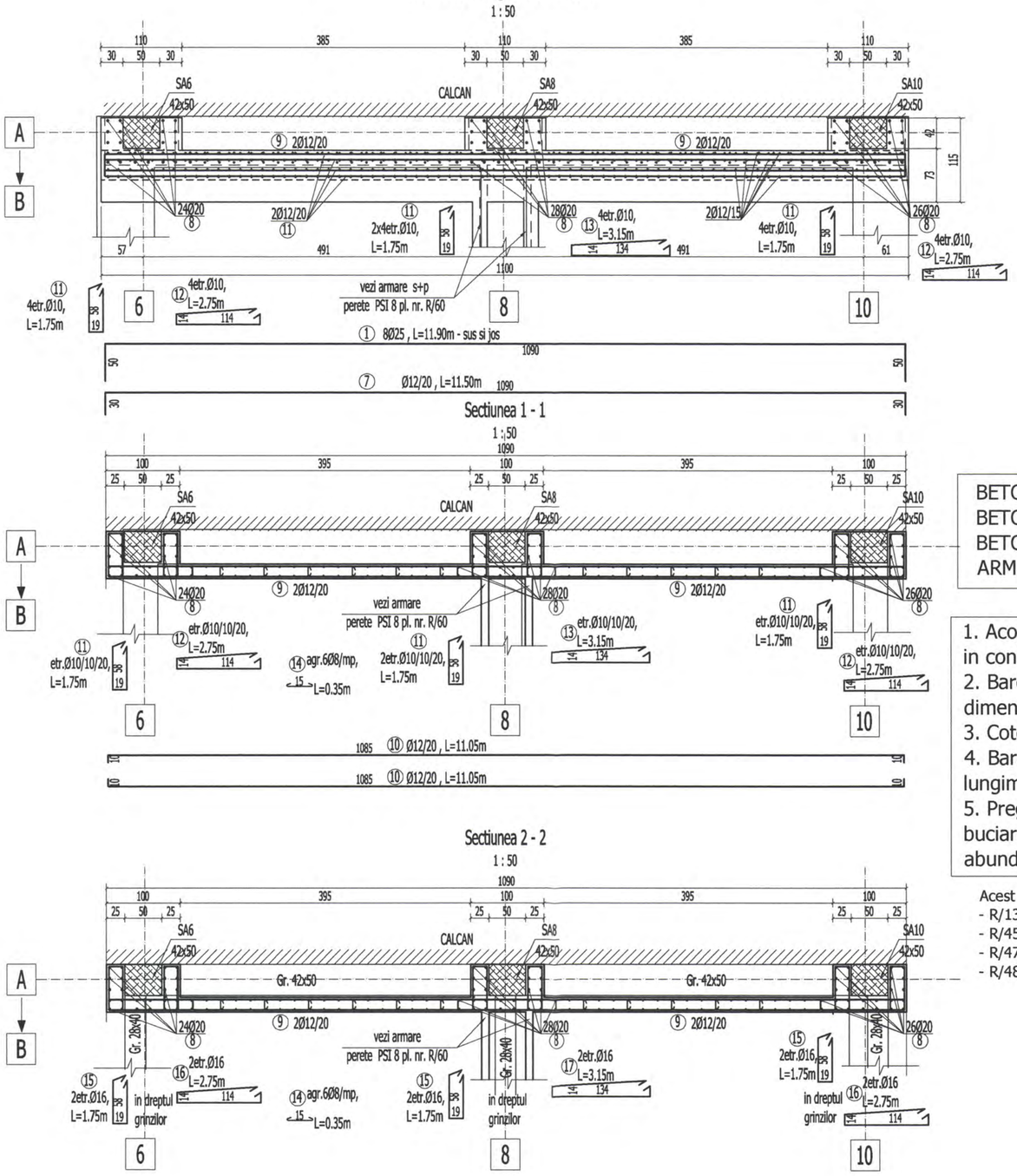



## Armare talpa fundatie cota -3.45




## Sectiunea 1-1 - grinda de fundare

1 : 50




## Sectiunea 1 - 1

1 ; 50



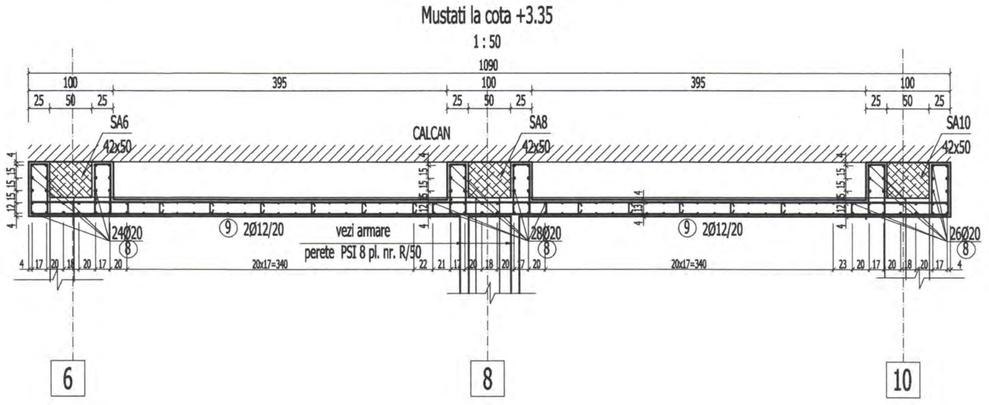

## Sectiunea 2 - 2

1 : 50




## Mustati la cota +3.35

1 : 50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/45 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan cofraj
- R/47 - Elevatie si sectiuni perete structural PSI 4. Plan cofraj
- R/48 - Elevatie si sectiuni perete structural PSI 4. Plan armare

R/46 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A/6-10 /

PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 20 | 11.90 | | | | | | | 238.00 |
| 2 | 16 | 3 | 10.90 | | | | | 32.70 | | |
| 3 | 16 | 144 | 1.70 | | | | | 244.80 | | |
| 4 | 12 | 288 | 5.55 | | | | 1598.40 | | | |
| 5 | 16 | 20 | 2.14 | | | | | 42.80 | | |
| 6 | 16 | 24 | 1.30 | | | | | 31.20 | | |
| 7 | 12 | 48 | 11.50 | | | | 552.00 | | | |
| 8 | 20 | 78 | 7.90 | | | | | | 616.20 | |
| 9 | 12 | 68 | 7.45 | | | | 506.60 | | | |
| 10 | 12 | 34 | 11.05 | | | | 375.70 | | | |
| 11 | 10 | 112 | 1.75 | | | 196.00 | | | | |
| 12 | 10 | 56 | 2.75 | | | 154.00 | | | | |
| 13 | 10 | 28 | 3.15 | | | 88.20 | | | | |
| 14 | 8 | 258 | 0.35 | | 90.30 | | | | | |
| 15 | 16 | 6 | 1.75 | | | | | 10.50 | | |
| 16 | 16 | 4 | 2.75 | | | | | 11.00 | | |
| 17 | 16 | 2 | 3.15 | | | | | 6.30 | | |
| Lungimi /ø m | | | | 0.00 | 90.30 | 438.20 | 3032.70 | 379.30 | 616.20 | 238.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 35.67 | 270.37 | 2692.47 | 598.66 | 1519.55 | 917.01 |
| TOTAL kg | | | | 6034.00 | | | | | | |

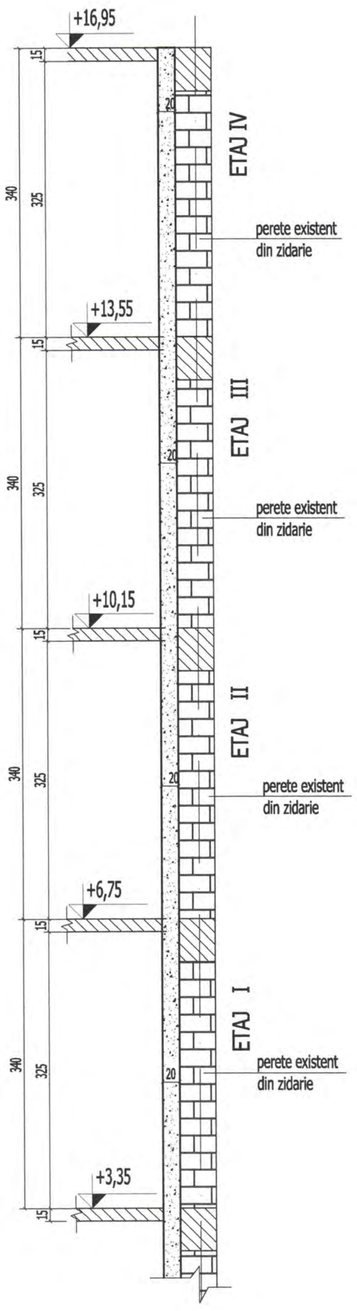
RADU I. MARIAN ROMANIA MPAT-OCPI NR. 291 A1, A2, A3, A8, A10, A12 INGINER VERIFICATOR PROIECTE

NEFIAN H. HARUTIUN ROMANIA MLPAT-OCPI NR. 95 A1-A2 INGINER EXPERT TEHNIC

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 38, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A / 6 - 10 . SUBSOL SI PARTER -PLAN ARMARE- | Plansa: R/46 |
| DESENAT | ing. A. Pruna | | | | |

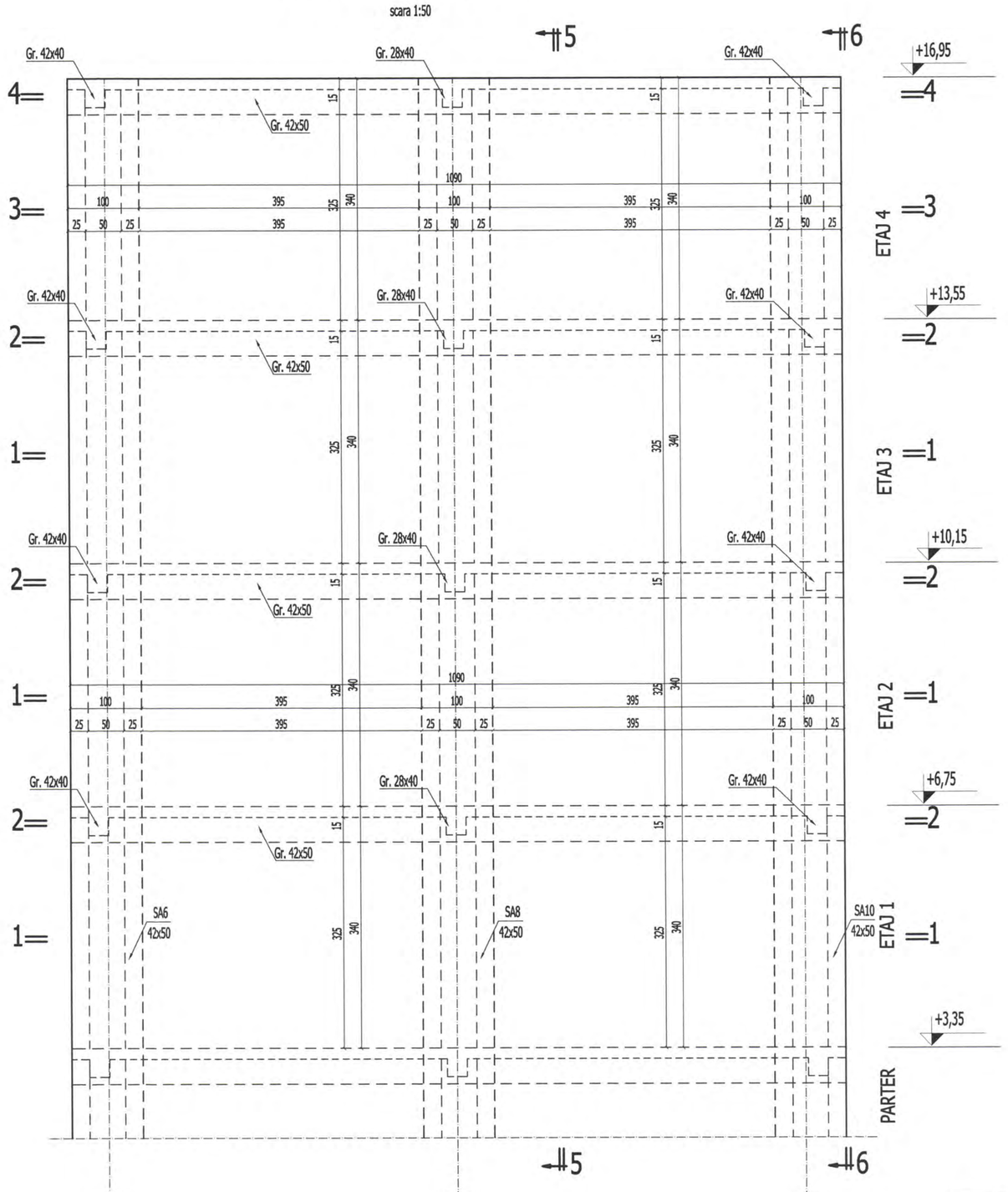
## Sectiunea 5-5

scara 1:50



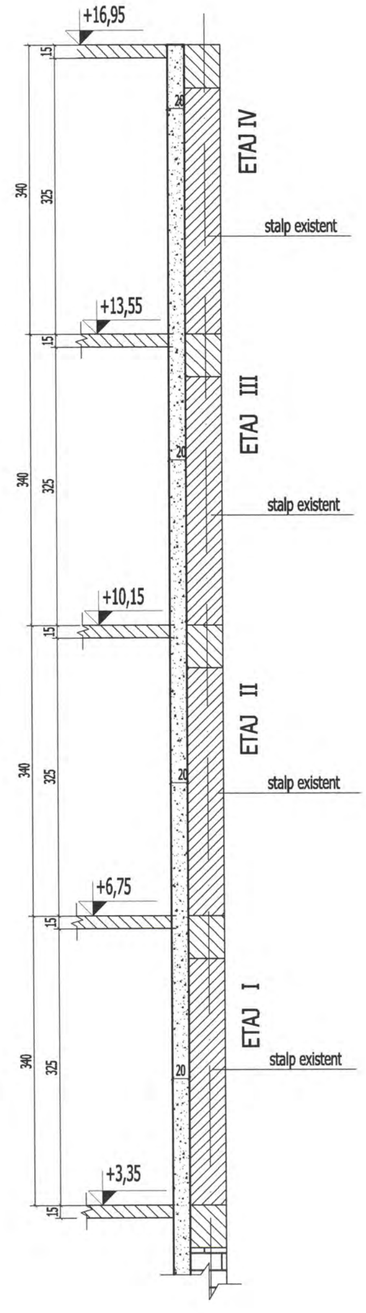

## PERETE STRUCTURAL PSI 4 - AX A / 6 - 10 - COFRAJ

scara 1:50



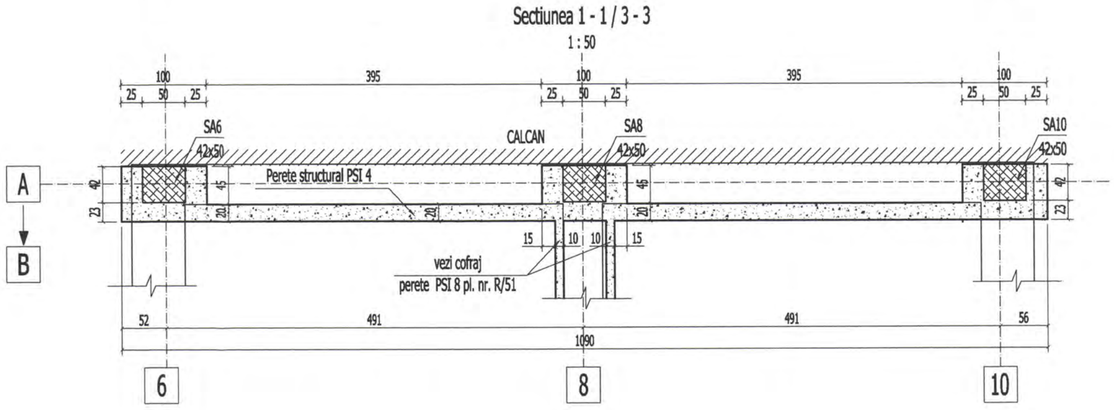

## Sectiunea 6-6

scara 1:50



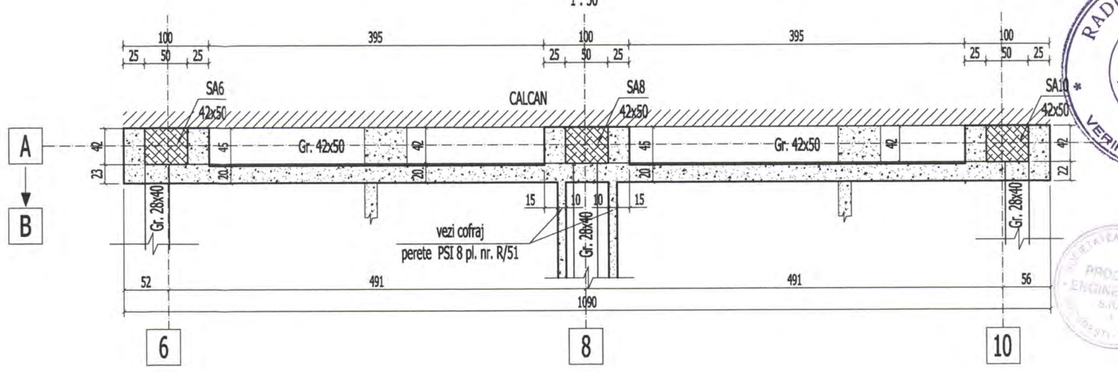

## Sectiunea 1 - 1 / 3 - 3

1 : 50




## Sectiunea 2 - 2 / 4 - 4

1 : 50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/43 - Plan cofraj fundatii si sectiuni
- R/45 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan cofraj
- R/46 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan armare
- R/48 - Elevatie si sectiuni perete structural PSI 4. Plan armare

RADU I. MARIN ROMANIA MLPAT-DCLP NR. 291 A1, A2, A3, A6, A7 INGINER VERIFICATOR PROIECTE

MEMBRU H. HARUTIUN ROMANIA MLPAT-DCLP NR. 95 A1, A2 INGINER PROIECTANT

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIFICATIE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Faza: P.T.+ D.E.

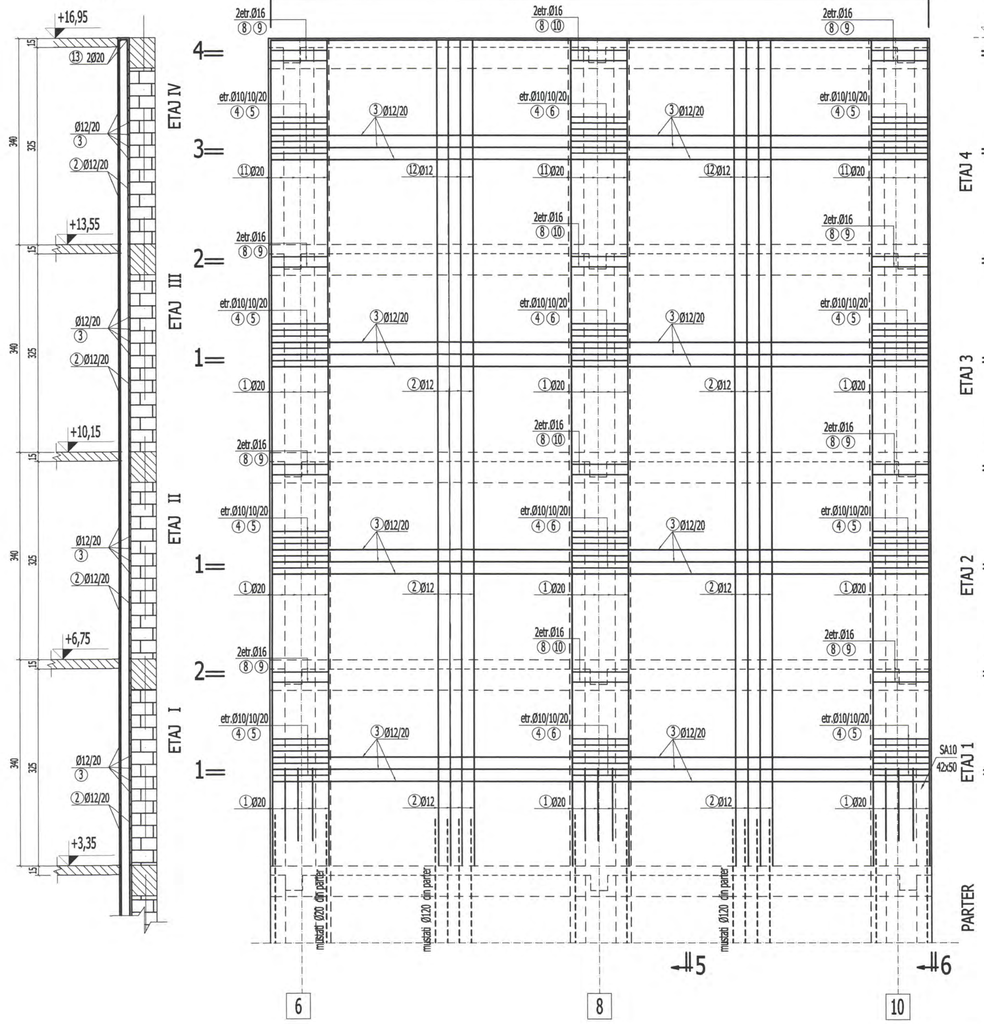
Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A / 6 - 10. -PLAN COFRAJ -

Plansa: R/47

## PERETE STRUCTURAL PSI 4 - AX A / 6 - 10 - ARMARE

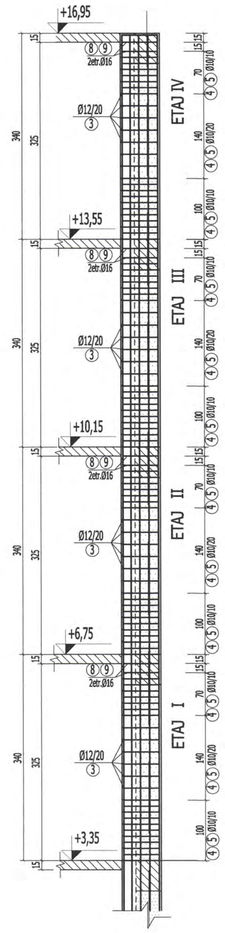
Sectiunea 5-5

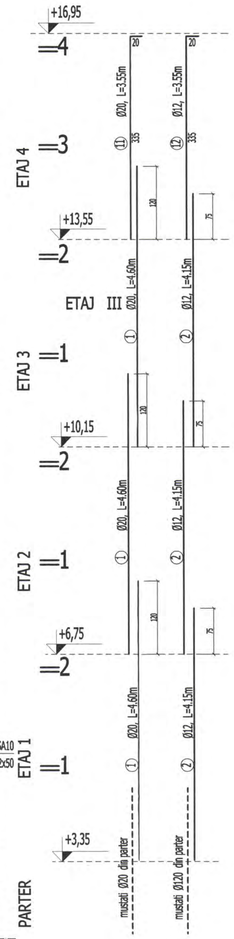
scara 1:50




Sectiunea 6-6

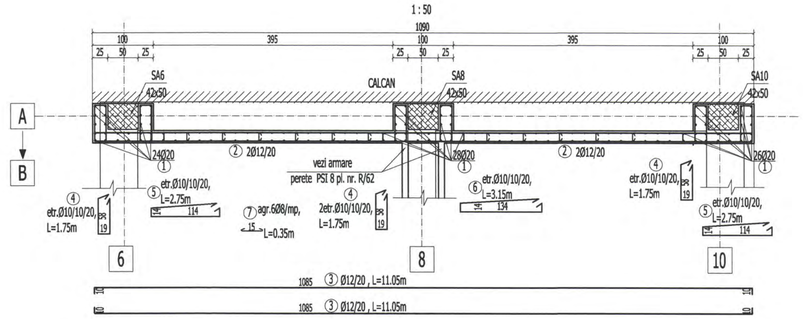
scara 1:50



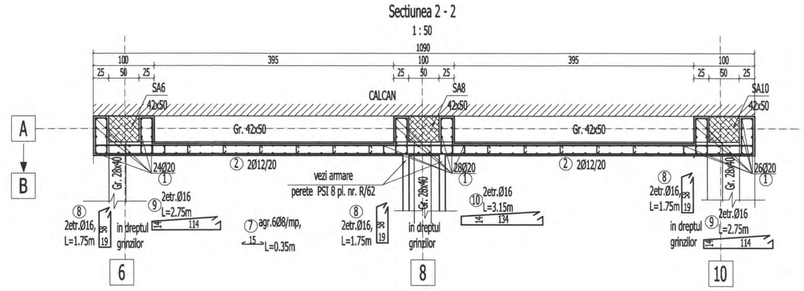

Sectiunea 1 - 1

1 : 50



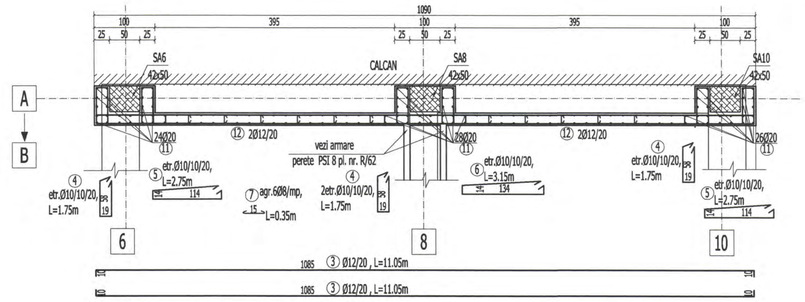

Sectiunea 2 - 2

1 : 50



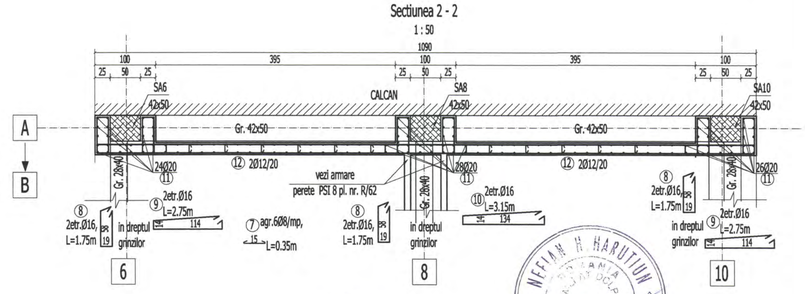

Sectiunea 3 - 3

1 : 50




Sectiunea 2 - 2

1 : 50




| R/48 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A/6-10 / PLAN ARMARE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 234 | 4.60 | | | | | | 1076.40 | |
| 2 | 12 | 204 | 4.15 | | | | 846.60 | | | |
| 3 | 12 | 136 | 11.05 | | | | 1502.80 | | | |
| 4 | 10 | 288 | 1.75 | | | 504.00 | | | | |
| 5 | 10 | 192 | 2.75 | | | 528.00 | | | | |
| 6 | 10 | 96 | 3.15 | | | 302.40 | | | | |
| 7 | 8 | 576 | 0.35 | | 201.60 | | | | | |
| 8 | 16 | 24 | 1.75 | | | | | 42.00 | | |
| 9 | 16 | 16 | 2.75 | | | | | 44.00 | | |
| 10 | 16 | 8 | 3.15 | | | | | 25.20 | | |
| 11 | 20 | 78 | 3.55 | | | | | | 276.90 | |
| 12 | 12 | 68 | 3.55 | | | | 241.40 | | | |
| 13 | 20 | 2 | 12.30 | | | | | | 24.00 | |
| Lungimi /ø m | | | | 0.00 | 201.60 | 1334.40 | 2590.80 | 111.20 | 1377.30 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 79.63 | 823.32 | 2300.15 | 175.51 | 3396.42 | 0.00 |
| TOTAL kg | | | | 6776.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/45 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan cofraj
- R/46 - Elevatie si sectiuni perete structural PSI 4. Subsol si parter. Plan armare
- R/47 - Elevatie si sectiuni perete structural PSI 4. Plan cofraj

RADU I. MARIAN COMPARTIMENTUL DE STAT-DELOR NR. 2913 A2, A3, A8, A9 INGINER VERIFICATOR PROIECTE

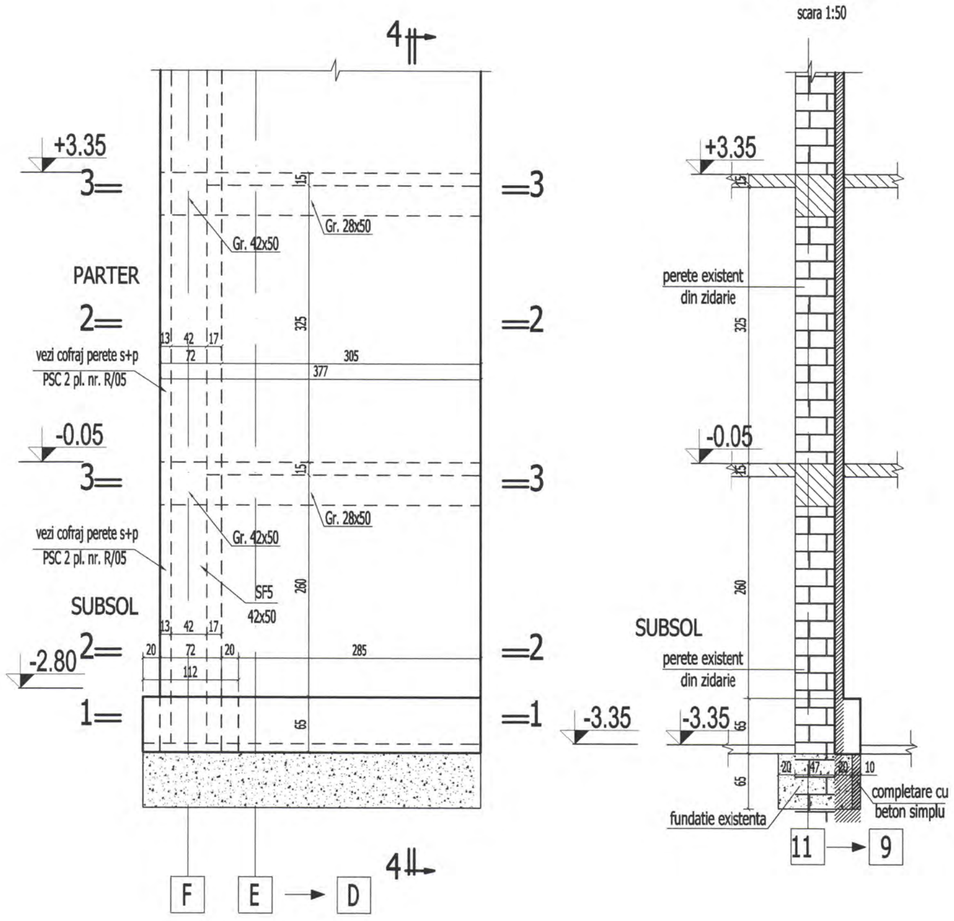
D. NEFIANU H. HARUTIUN EXPERT INGINER TEHNIC

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | | |
|---|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 4 AX A / 6 - 10 . -PLAN ARMARE - | Plansa: R/48 |
| DESENAT | Ing. A. Pruna | | | | |

# ELEVATIE PERETE PSI 5 AX 5 - subsol + parter - COFRAJ

scara 1:50



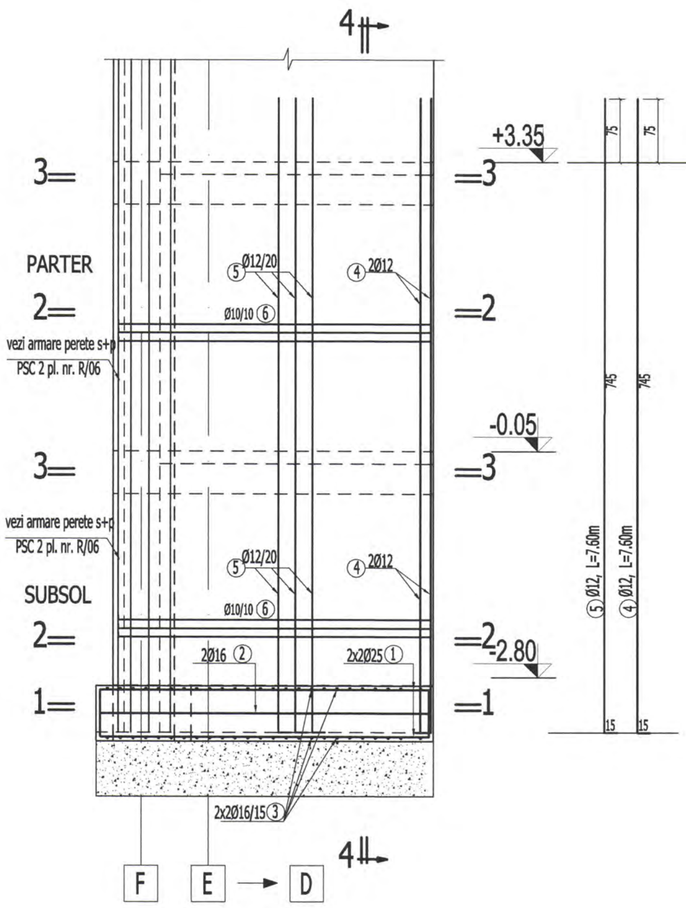

Sectiunea 4 - 4

scara 1:50




# ELEVATIE PERETE PSI 5 AX 5 - subsol + parter - ARMARE

scara 1:50

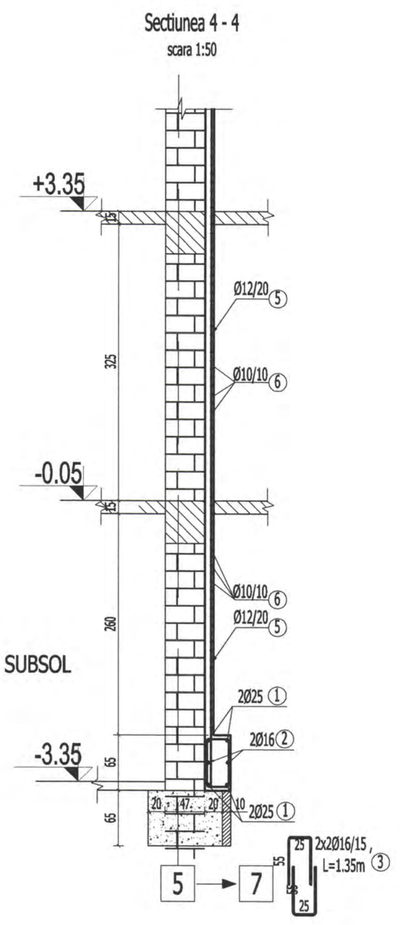






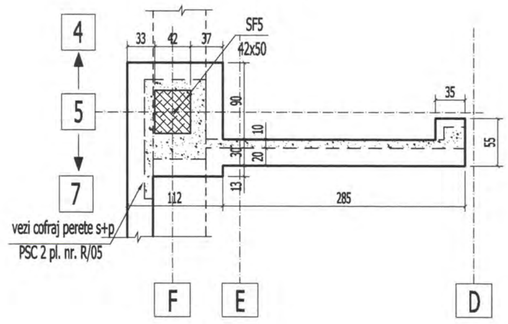
Sectiunea 4 - 4

scara 1:50



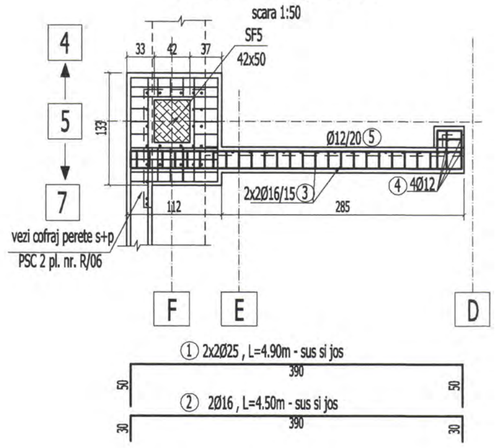

Sectiunea 1 - 1 - talpa fundare

scara 1:50




Sectiunea 1 - 1 - talpa fundare

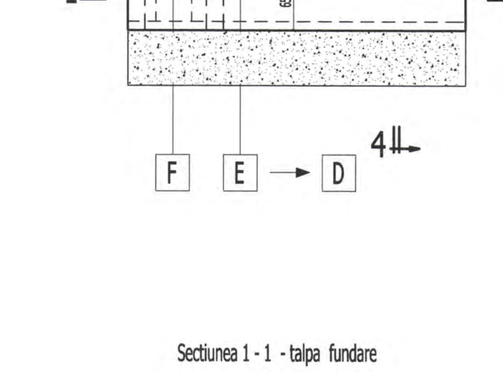
scara 1:50




| R/49 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 5 AX 5 / PLAN ARMARE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 4 | 4.90 | | | | | | | 19.60 |
| 2 | 16 | 2 | 4.50 | | | | | 9.00 | | |
| 3 | 16 | 52 | 1.35 | | | | | 70.20 | | |
| 4 | 12 | 2 | 7.60 | | | | 15.20 | | | |
| 5 | 12 | 14 | 7.60 | | | | 106.40 | | | |
| 6 | 10 | 61 | 3.70 | | | 225.70 | | | | |
| 7 | 10 | 60 | 1.00 | | | 60.00 | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 285.70 | 121.60 | 79.20 | 0.00 | 19.60 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 176.28 | 107.96 | 125.00 | 0.00 | 75.52 |
| TOTAL kg | | | | 485.00 | | | | | | |

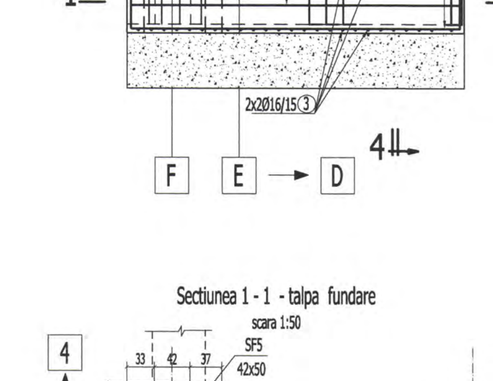
Sectiunea 2 - 2

scara 1:50




Sectiunea 2 - 2

scara 1:50




Sectiunea 3 - 3

scara 1:50




Sectiunea 3 - 3

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

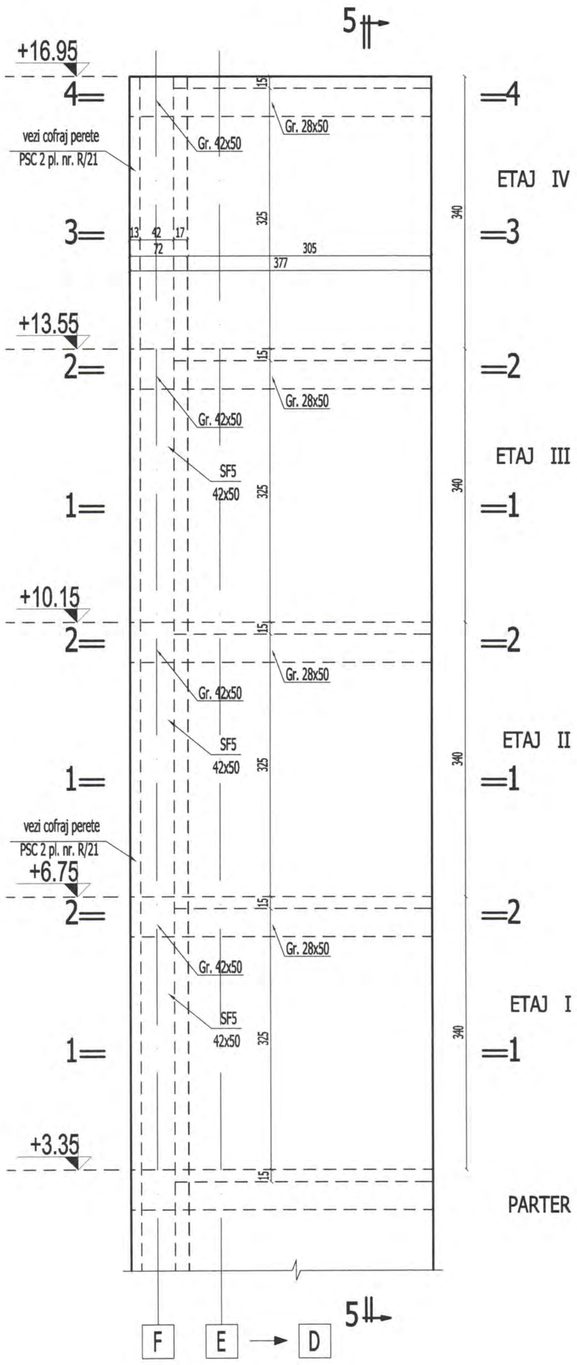
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 10d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/50 - Elevatie si sectiuni perete structural PSI 5. Plan cofraj si armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 5 AX 5 - subsol+parter -PLAN COFRAJ SI ARMARE - | Plansa: R/49 |
| DESENAT | ing. A. Pruna | | | | |

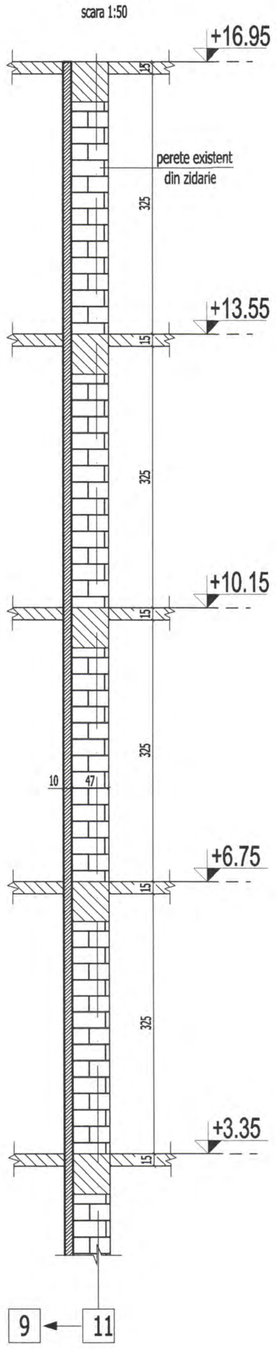
# ELEVATIE PERETE PSI 5 AX 5 - COFRAJ

scara 1:50



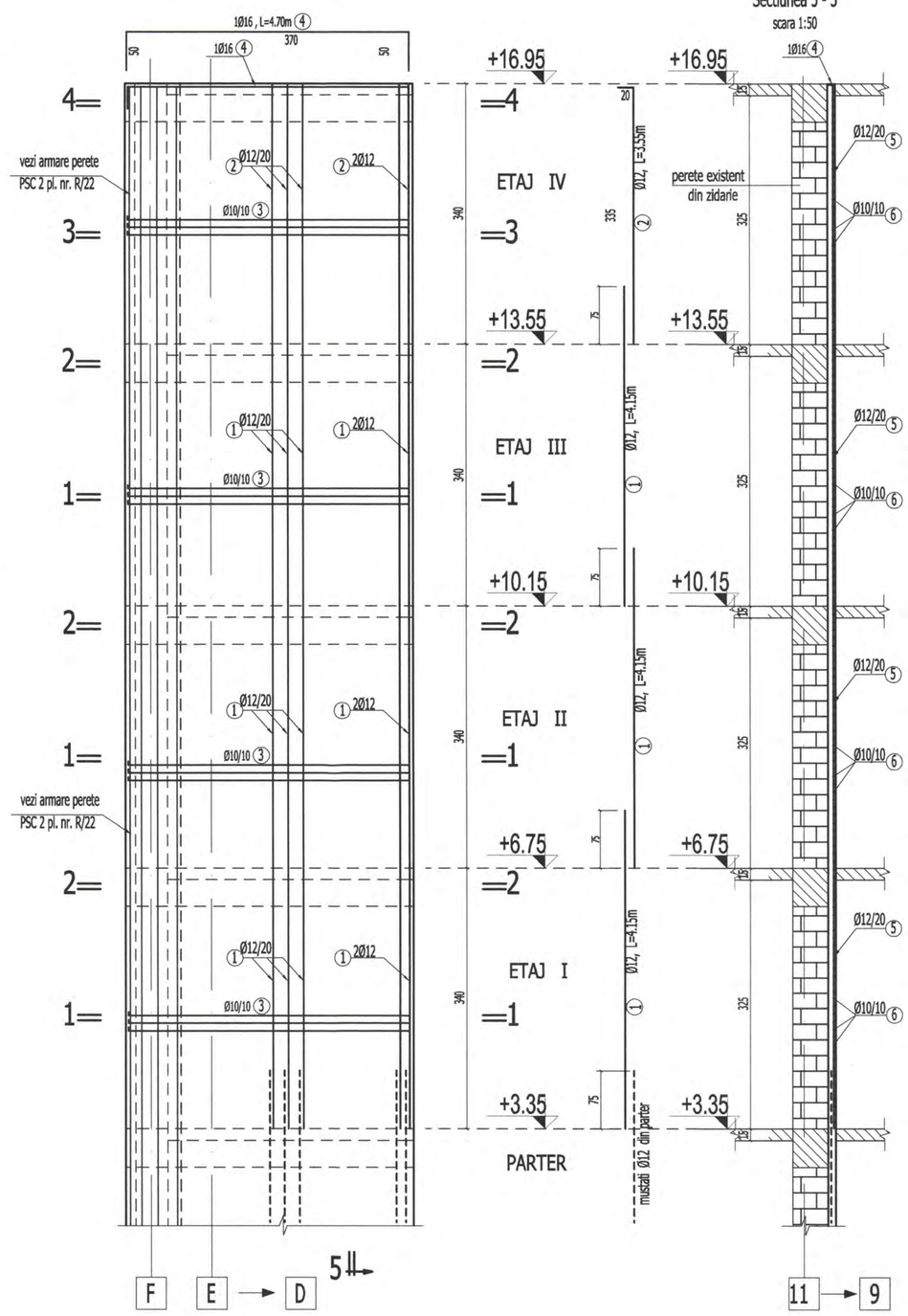

Sectiunea 5 - 5

scara 1:50




# ELEVATIE PERETE PSI 5 AX 5 - ARMARE

scara 1:50



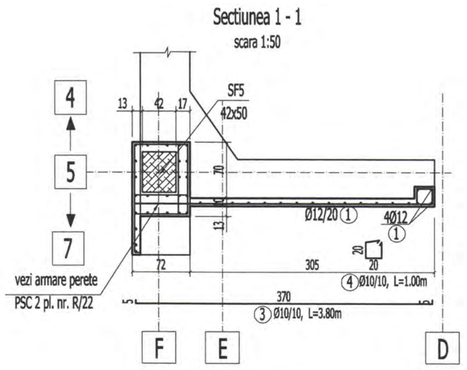

Sectiunea 5 - 5

scara 1:50



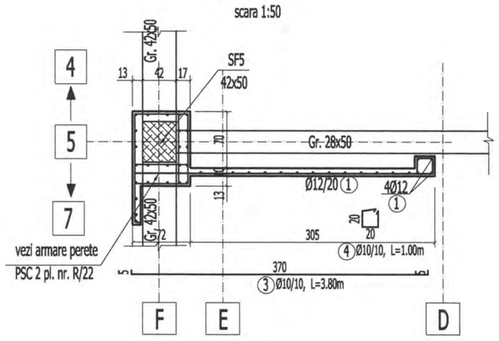

Sectiunea 1 - 1

scara 1:50



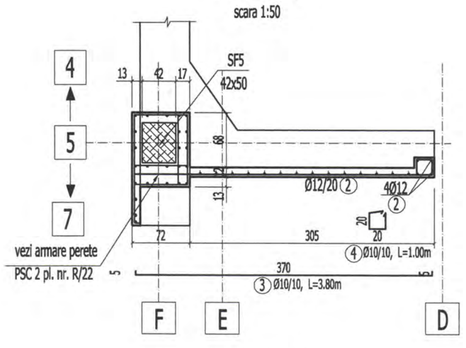

Sectiunea 2 - 2

scara 1:50



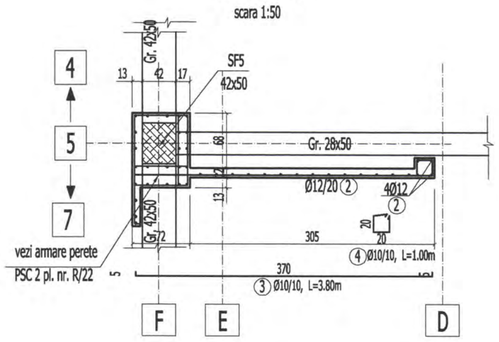

Sectiunea 3 - 3

scara 1:50



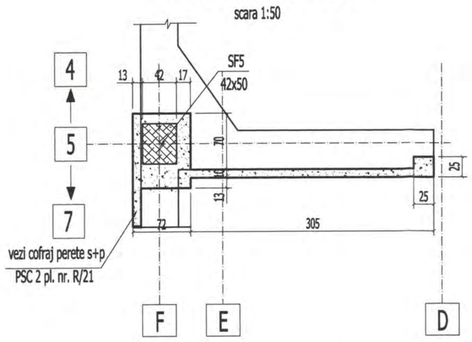

Sectiunea 4 - 4

scara 1:50



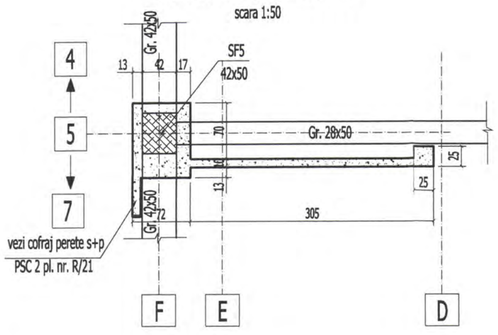

Sectiunea 1 - 1 / Sectiunea 3 - 3

scara 1:50




Sectiunea 2 - 2 / Sectiunea 4 - 4

scara 1:50




R/50 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 5 AX 5 /

PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 12 | 48 | 4.15 | | | | 199.20 | | | |
| 2 | 12 | 16 | 3.55 | | | | 56.80 | | | |
| 3 | 10 | 136 | 3.80 | | | 516.80 | | | | |
| 4 | 10 | 136 | 1.00 | | | 136.00 | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 652.80 | 256.00 | 0.00 | 0.00 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 402.78 | 227.28 | 0.00 | 0.00 | 0.00 |
| TOTAL kg | | | | 631.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/49 - Elevatie si sectiuni perete structural PSI 5. Subsol si parter. Plan cofraj si armare

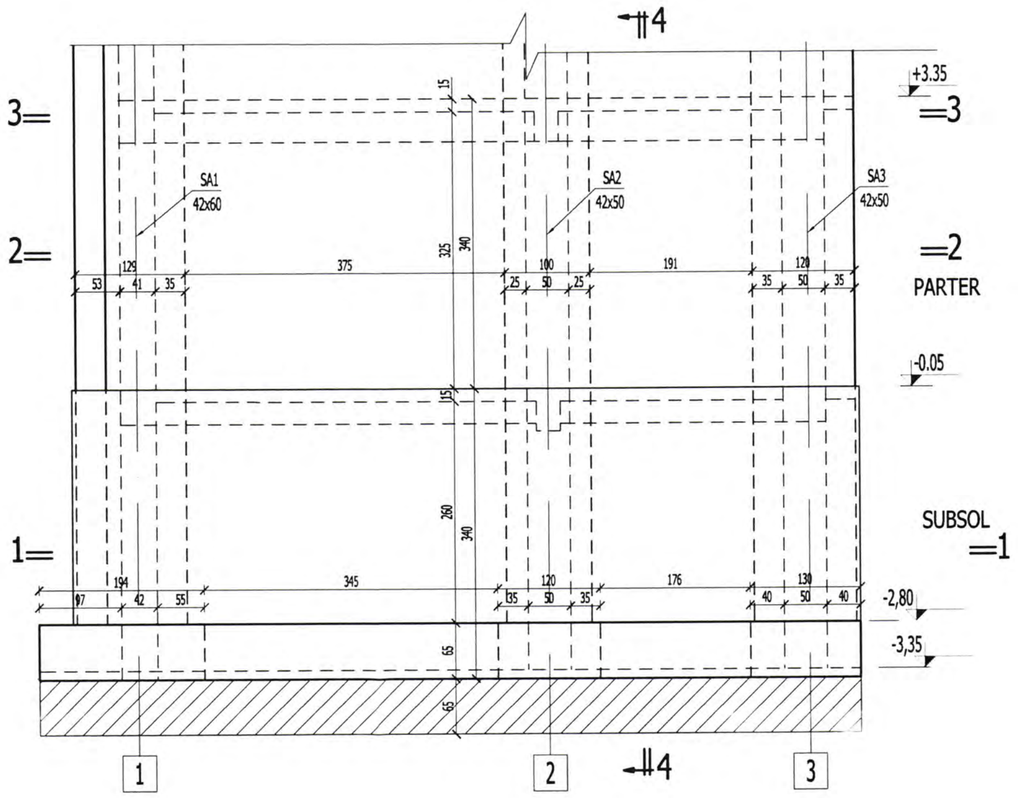
NEFIAN H. HARUTIUN
ROMANIA
MEDIAT-DOBRUDJA
NR. 95
A1, A2
INGINER
EXPERT TEHNIC

RADU I. MARIAN
ROMANIA
MEDIAT-DOBRUDJA
NR. 291
A1, A2, A3, A5, A10
INGINER
VERIFICATOR PROIECTE

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 5 AX 5 -PLAN COFRAJ SI ARMARE - | Plansa: R/50 |
| DESENAT | Ing. A. Pruna | | | | |

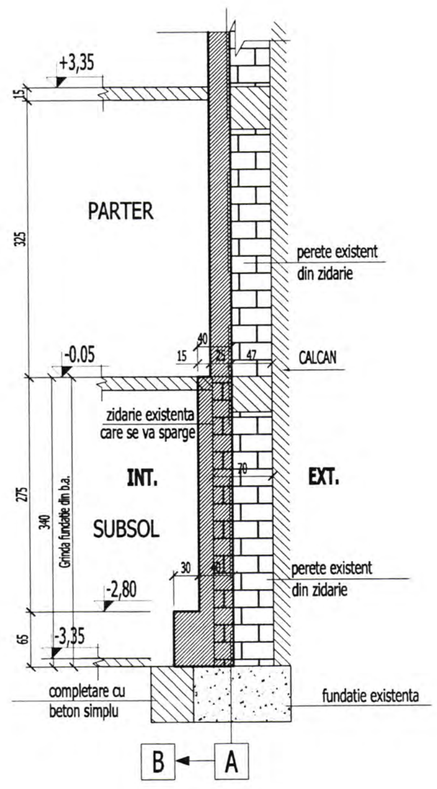
GRINDA DE FUNDATIE PERETE PSI 6 - AX A / 1 - 3

scara 1:50



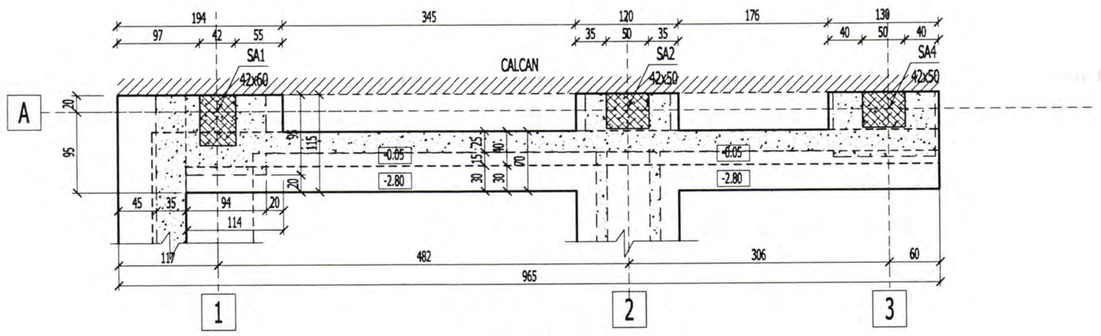

Sectiunea 4-4

scara 1:50



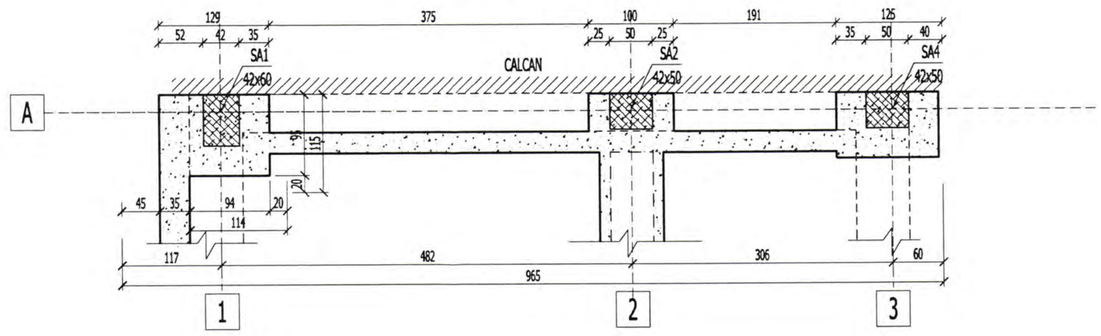

Sectiunea 1-1 - grinda fundatie

scara 1:50



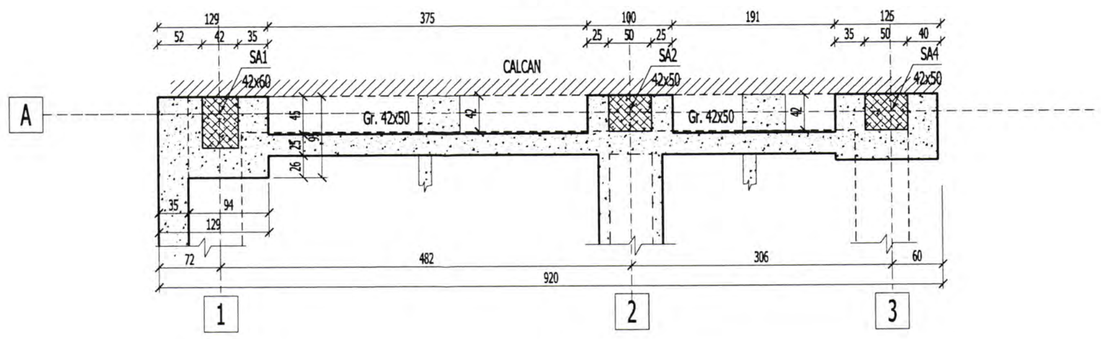

Sectiunea 2-2 - parter

scara 1:50




Sectiunea 3-3 - parter

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/52 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan armare
- R/53 - Elevatie si sectiuni perete structural PSI 6. Plan cofraj
- R/54 - Elevatie si sectiuni perete structural PSI 6. Plan armare

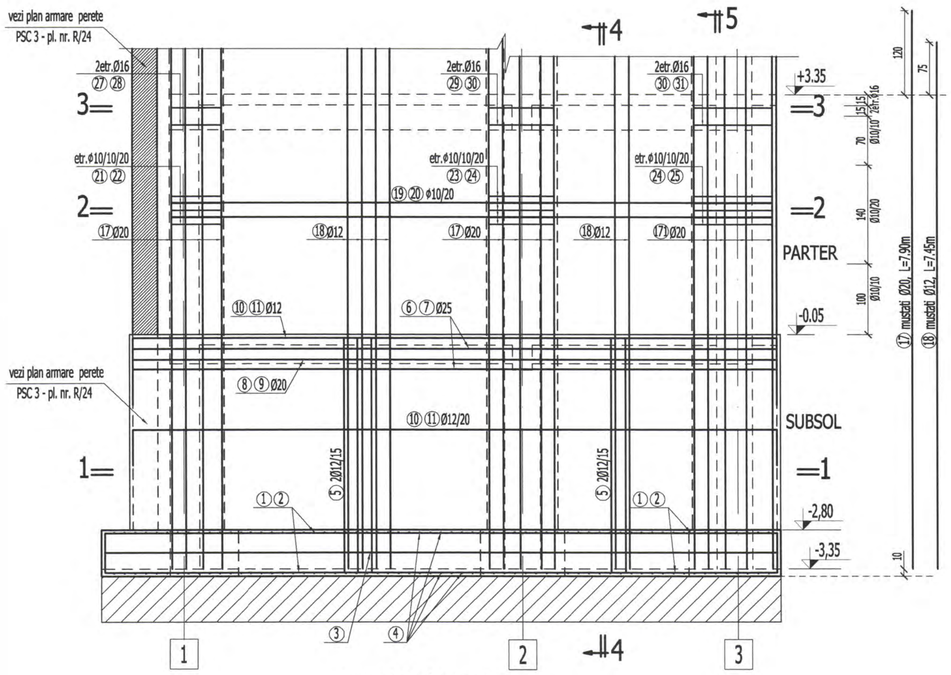
NEFIAN H. HARUTIUN ROMANIA MEMBRU DCLR NR. 35 A1, A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MEMBRU DCLR A1, NR. 291 A2, A3, A8, A10 INGINER VERIFICATOR PROIECTE

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 6 AX A / 1- 3. SUBSOL SI ARMARE -PLAN COFRAJ - | Plansa: R/51 |
| DESENAT | ing. A. Pruna | | | | |

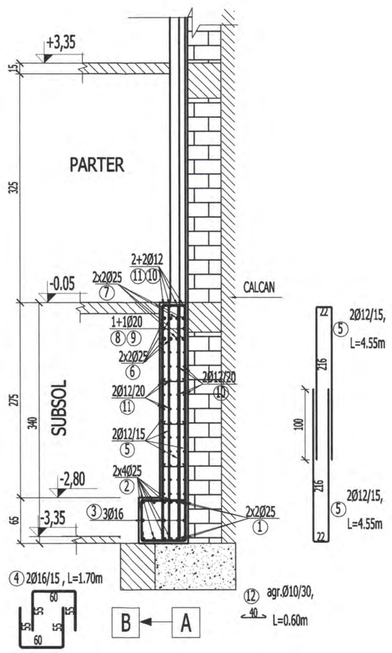
## GRINDA DE FUNDATIE PERETE PSI 6 - AX A / 1 - 3

scara 1:50



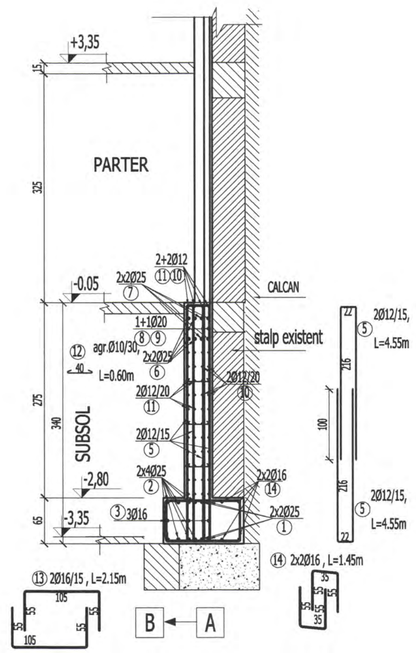

## Sectiunea 4-4

scara 1:50

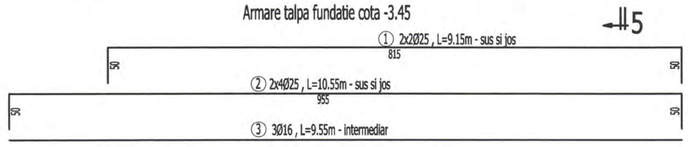



## Sectiunea 5-5

scara 1:50

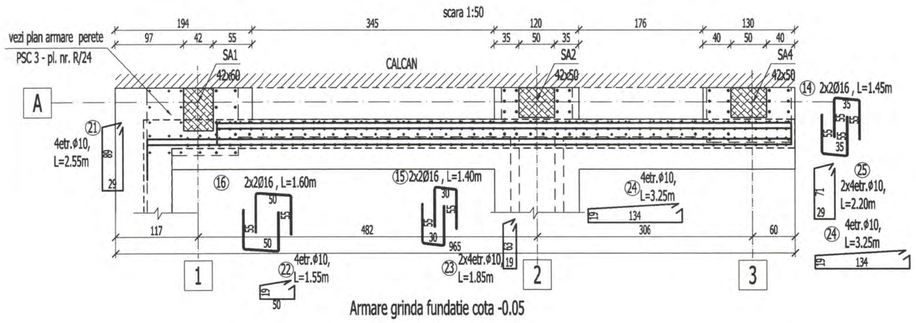



## Armare talpa fundatie cota -3.45

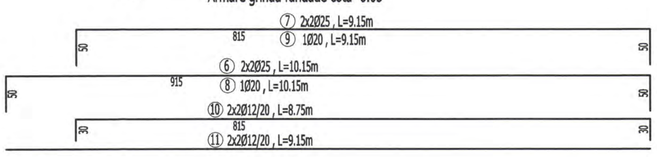



## Sectiunea 1-1 - grinda fundatie

scara 1:50

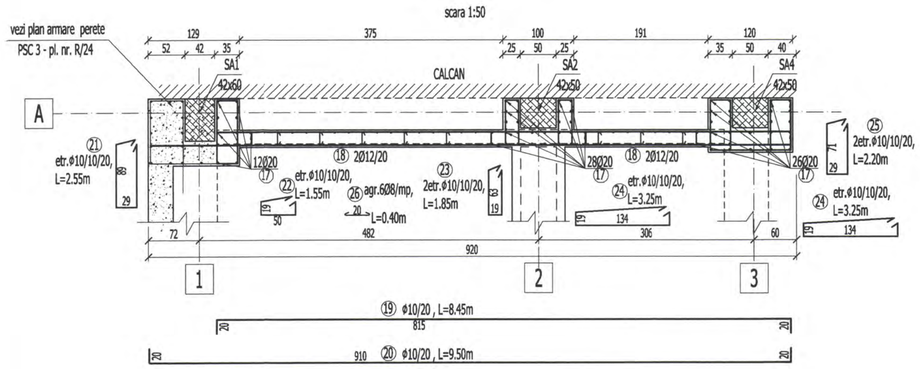



## Armare grinda fundatie cota -0.05




## Sectiunea 2-2 - parter

scara 1:50



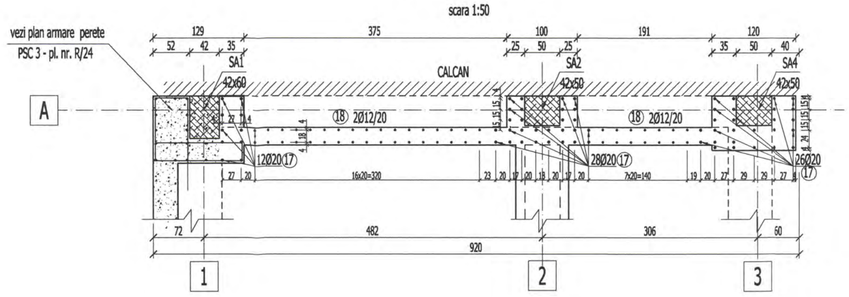

## Sectiunea 3-3 - parter

scara 1:50




## Mustati - parter cota +3.35

scara 1:50




Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/51 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan cofraj
- R/53 - Elevatie si sectiuni perete structural PSI 6. Plan cofraj
- R/54 - Elevatie si sectiuni perete structural PSI 6. Plan armare

R/52 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 6 AX A/1-3 /

PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 4 | 9.15 | | | | | | | 36.60 |
| 2 | 25 | 8 | 10.55 | | | | | | | 84.40 |
| 3 | 16 | 3 | 9.55 | | | | | 28.65 | | |
| 4 | 16 | 140 | 1.70 | | | | | 238.00 | | |
| 5 | 12 | 244 | 4.55 | | | | 1110.20 | | | |
| 6 | 25 | 4 | 10.15 | | | | | | | 40.60 |
| 7 | 25 | 4 | 9.15 | | | | | | | 36.60 |
| 8 | 20 | 1 | 10.15 | | | | | | 10.15 | |
| 9 | 20 | 1 | 9.15 | | | | | | 9.15 | |
| 10 | 12 | 24 | 8.75 | | | | 210.00 | | | |
| 11 | 12 | 24 | 9.15 | | | | 219.60 | | | |
| 12 | 10 | 93 | 0.60 | | | 55.80 | | | | |
| 13 | 16 | 28 | 2.15 | | | | | 60.20 | | |
| 14 | 16 | 8 | 1.45 | | | | | 11.60 | | |
| 15 | 16 | 8 | 1.40 | | | | | 11.20 | | |
| 16 | 16 | 4 | 1.60 | | | | | 6.40 | | |
| 17 | 20 | 66 | 7.90 | | | | | | 521.40 | |
| 18 | 12 | 46 | 7.45 | | | | 342.70 | | | |
| 19 | 10 | 17 | 8.45 | | | 143.65 | | | | |
| 20 | 10 | 17 | 9.50 | | | 161.50 | | | | |
| 21 | 10 | 48 | 2.55 | | | 122.40 | | | | |
| 22 | 10 | 48 | 1.55 | | | 74.40 | | | | |
| 23 | 10 | 96 | 1.85 | | | 177.60 | | | | |
| 24 | 10 | 96 | 3.25 | | | 312.00 | | | | |
| 25 | 10 | 96 | 2.20 | | | 211.20 | | | | |
| 26 | 8 | 90 | 0.40 | | 36.00 | | | | | |
| 27 | 16 | 4 | 2.55 | | | | | 10.20 | | |
| 28 | 16 | 4 | 1.55 | | | | | 6.20 | | |
| 29 | 16 | 8 | 1.85 | | | | | 14.80 | | |
| 30 | 16 | 8 | 3.25 | | | | | 26.00 | | |
| 31 | 16 | 8 | 2.20 | | | | | 17.60 | | |
| Lungimi /ø m | | | | 0.00 | 36.00 | 1258.55 | 1882.50 | 430.85 | 540.70 | 198.20 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 14.22 | 776.53 | 1671.31 | 680.03 | 1333.37 | 763.66 |
| **TOTAL kg** | | | | **5240.00** | | | | | | |

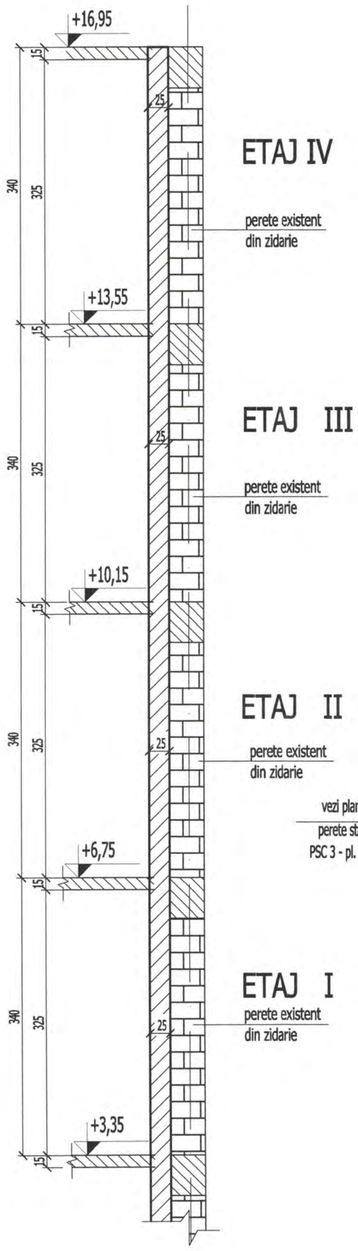
BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI — Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A — ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 6 AX A / 1- 3 . SUBSOL SI ARMARE -PLAN ARMARE - — Plansa: R/52 |
| DESENAT | ing. A. Pruna | | | |

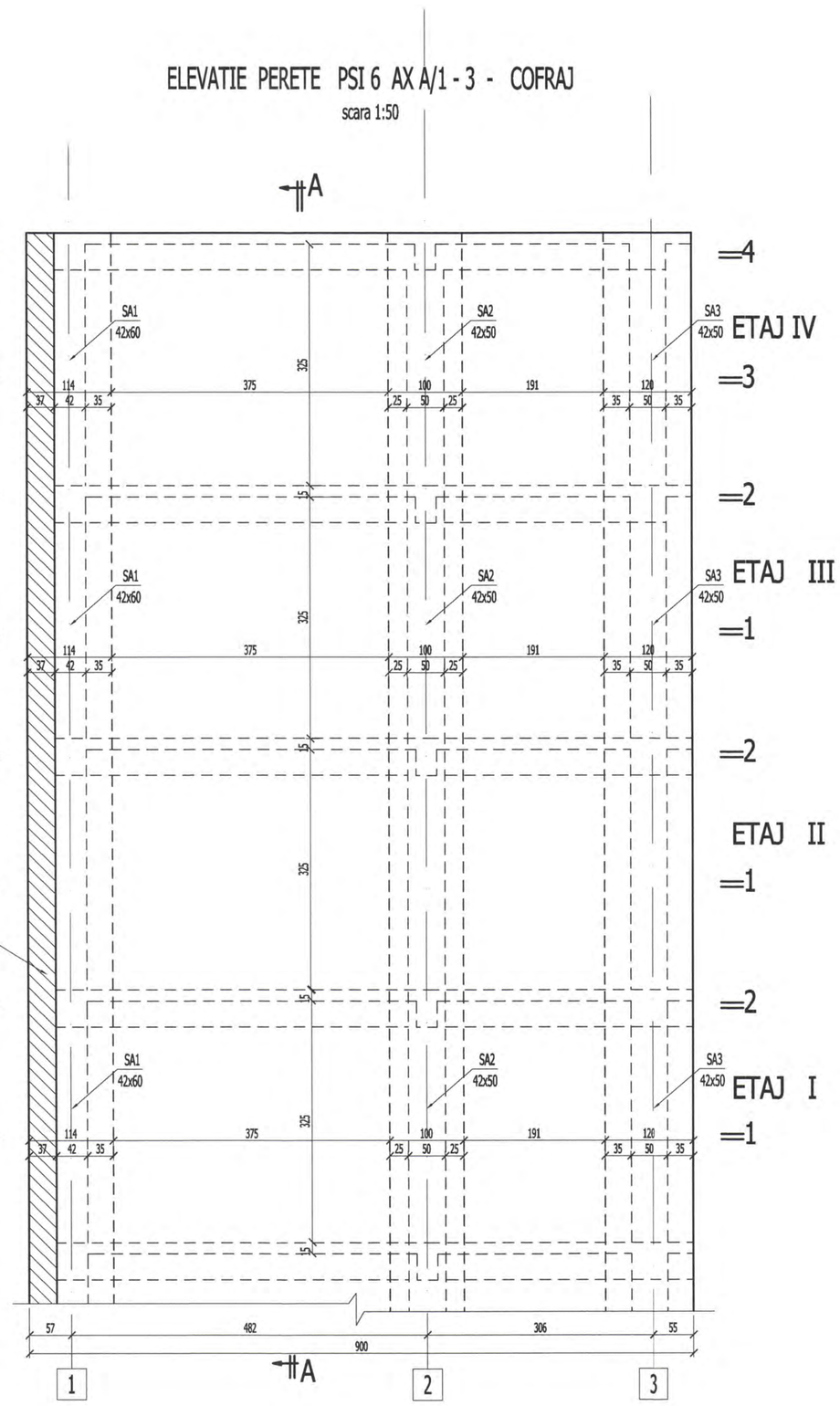
## SECTIUNE A - A COFRAJ

scara 1:50



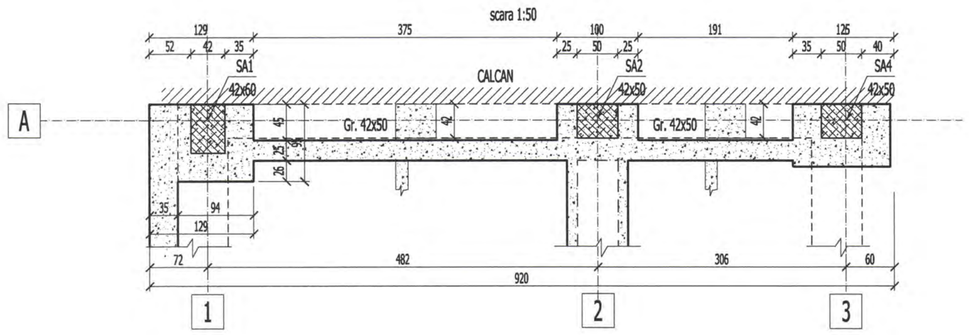

## ELEVATIE PERETE PSI 6 AX A/1 - 3 - COFRAJ

scara 1:50



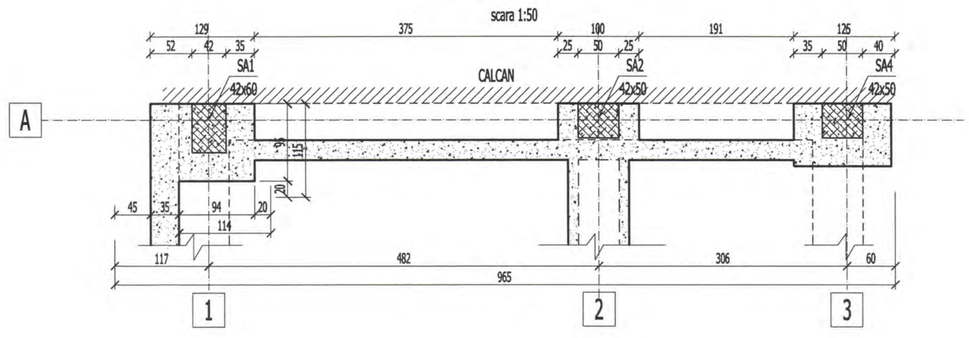

## Sectiunea 2-2 / Sectiunea 4-4

scara 1:50




## Sectiunea 1-1 / Sectiunea 3-3

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

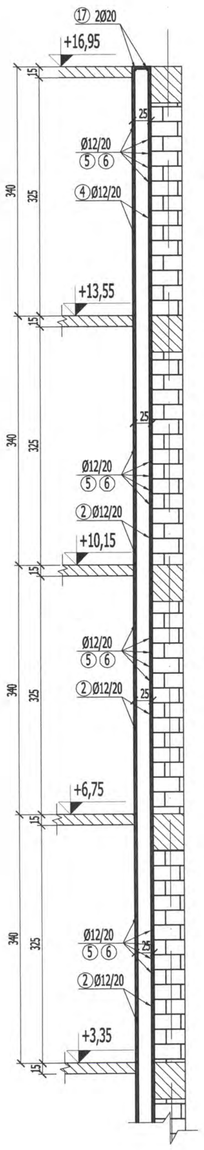
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/51 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan cofraj
- R/52 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan armare
- R/54 - Elevatie si sectiuni perete structural PSI 6. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | |
|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 6 AX A/1-3 -PLAN COFRAJ- | Plansa: R/53 |
| DESENAT | ing. A. Pruna | | | | |

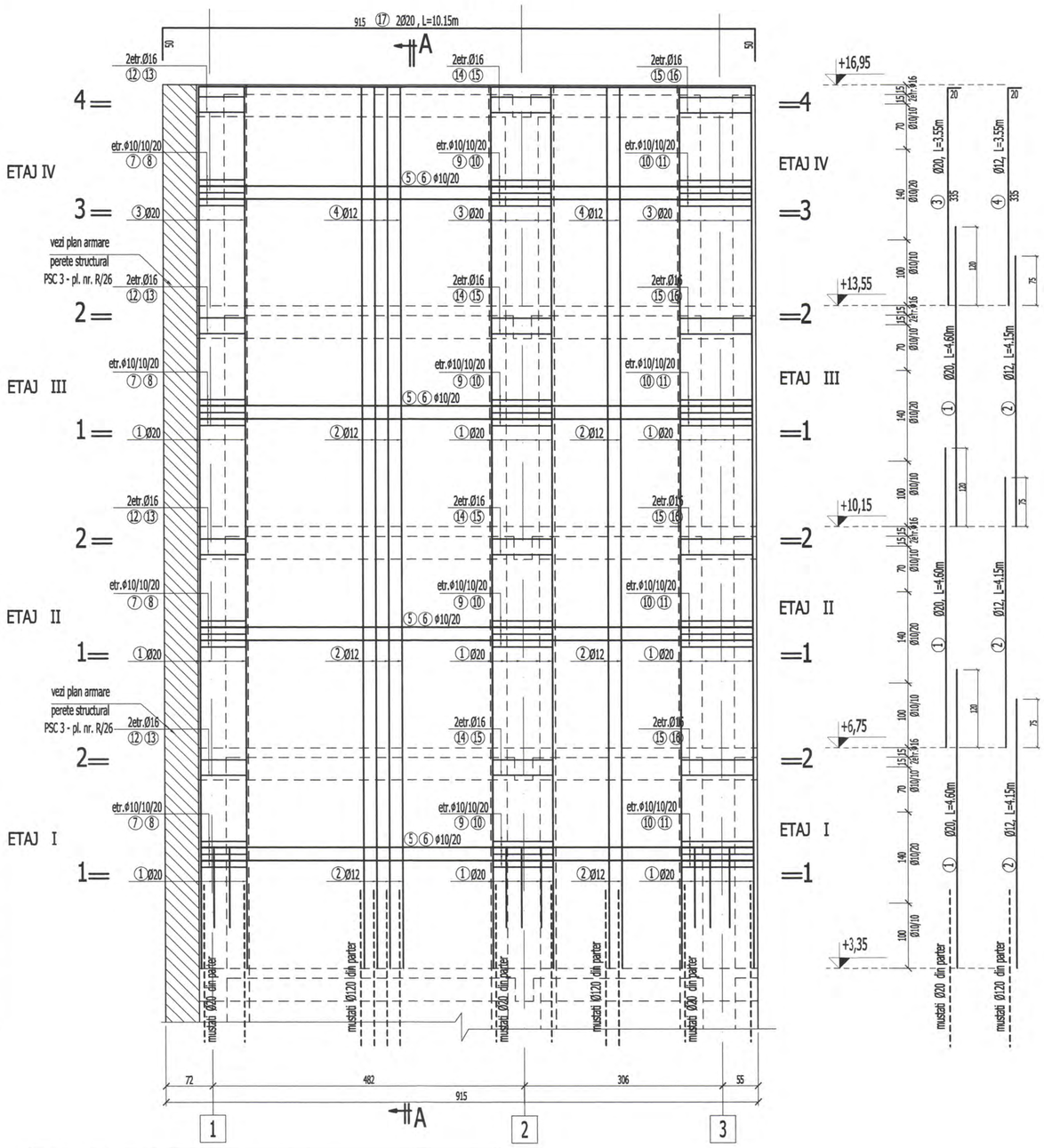
## SECTIUNE A - A COFRAJ

scara 1:50




## ELEVATIE PERETE PSI 6 AX A/1 - 3 - COFRAJ

scara 1:50

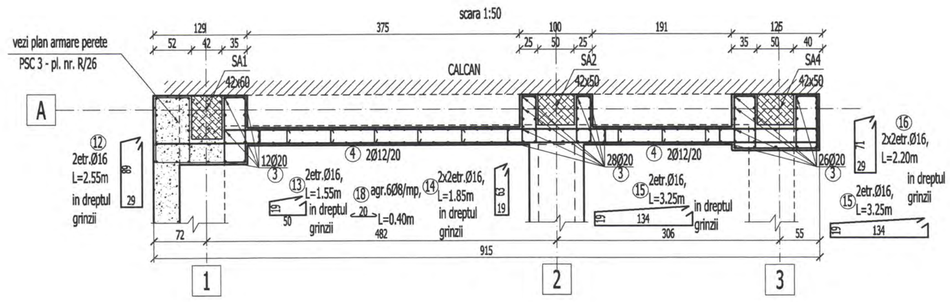






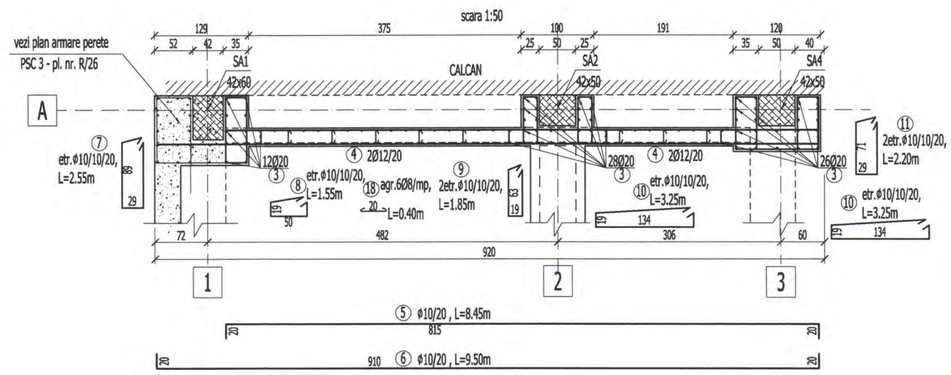
## Sectiunea 4-4

scara 1:50



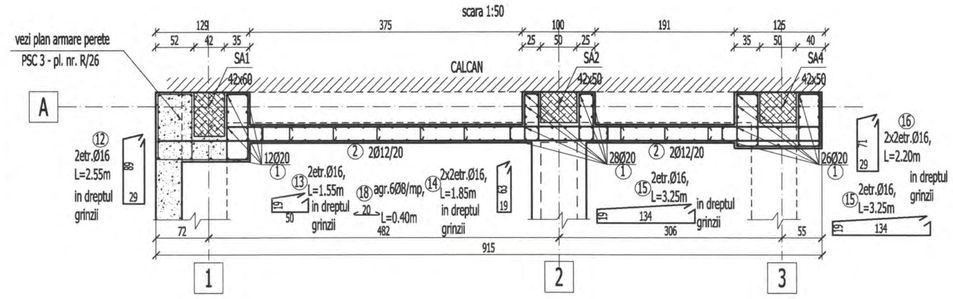

## Sectiunea 3-3

scara 1:50



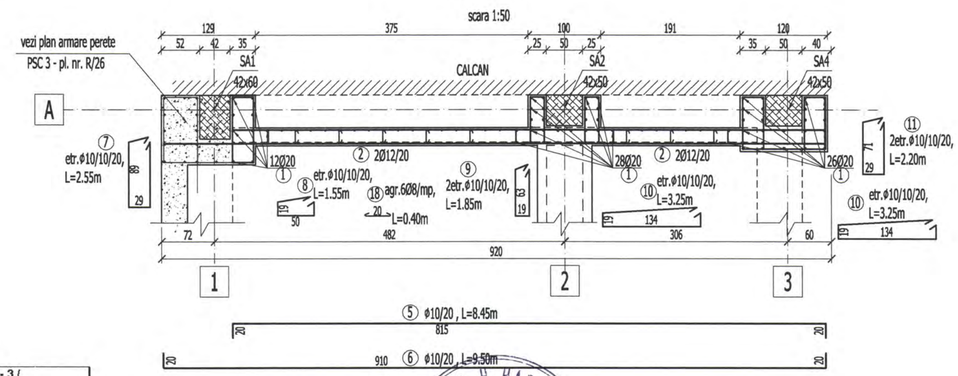

## Sectiunea 2-2

scara 1:50




## Sectiunea 1-1

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/51 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan cofraj
- R/52 - Elevatie si sectiuni perete structural PSI 6. Subsol si parter. Plan armare
- R/53 - Elevatie si sectiuni perete structural PSI 6. Plan cofraj

**R/54 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 6 AX A/1 - 3 /**

**PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 198 | 4.60 | | | | | | 910.80 | |
| 2 | 12 | 138 | 4.15 | | | | 572.70 | | | |
| 3 | 20 | 66 | 3.55 | | | | | | 234.30 | |
| 4 | 12 | 46 | 3.55 | | | | 163.30 | | | |
| 5 | 10 | 68 | 8.45 | | | 574.60 | | | | |
| 6 | 10 | 68 | 9.50 | | | 646.00 | | | | |
| 7 | 10 | 96 | 2.55 | | | 244.80 | | | | |
| 8 | 10 | 96 | 1.55 | | | 148.80 | | | | |
| 9 | 10 | 192 | 1.85 | | | 355.20 | | | | |
| 10 | 10 | 196 | 3.25 | | | 637.00 | | | | |
| 11 | 10 | 196 | 2.20 | | | 431.20 | | | | |
| 12 | 16 | 8 | 2.55 | | | | | 20.40 | | |
| 13 | 16 | 8 | 1.55 | | | | | 12.40 | | |
| 14 | 16 | 16 | 1.85 | | | | | 29.60 | | |
| 15 | 16 | 16 | 3.25 | | | | | 52.00 | | |
| 16 | 16 | 16 | 2.20 | | | | | 35.20 | | |
| 17 | 20 | 2 | 10.15 | | | | | | 20.30 | |
| 18 | 8 | 408 | 0.40 | | 163.20 | | | | | |
| Lungimi /ø m | | | | 0.00 | 163.20 | 3037.60 | 736.00 | 149.60 | 1165.40 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 64.46 | 1874.20 | 653.43 | 236.12 | 2873.88 | 0.00 |
| **TOTAL kg** | | | | **5703.00** | | | | | | |

NEFIAN R. HARUTIUM ROMANIA MEDIAT-DOCLD NR. 95 A1-A2 INGINER EXPERT TEHNIC

RADU I. MARIAN ROMANIA MEDIAT-DOCLD A1, A2, A3, A6, A10, A12 NR. 291 INGINER VERIFICATOR PROIECTE

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

**PROIECTANT DE SPECIALITATE:** S.C.PROCEMA Engineering S.R.L. J40/7772/2004

**BENEFICIAR:** PRIMARIA MUNICIPIULUI BUCURESTI

**Proiect:** MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 |
|---|---|---|---|
| SEF PROIECT | ing. N. Stamate | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 |
| DESENAT | ing. A. Pruna | | |

**PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI**

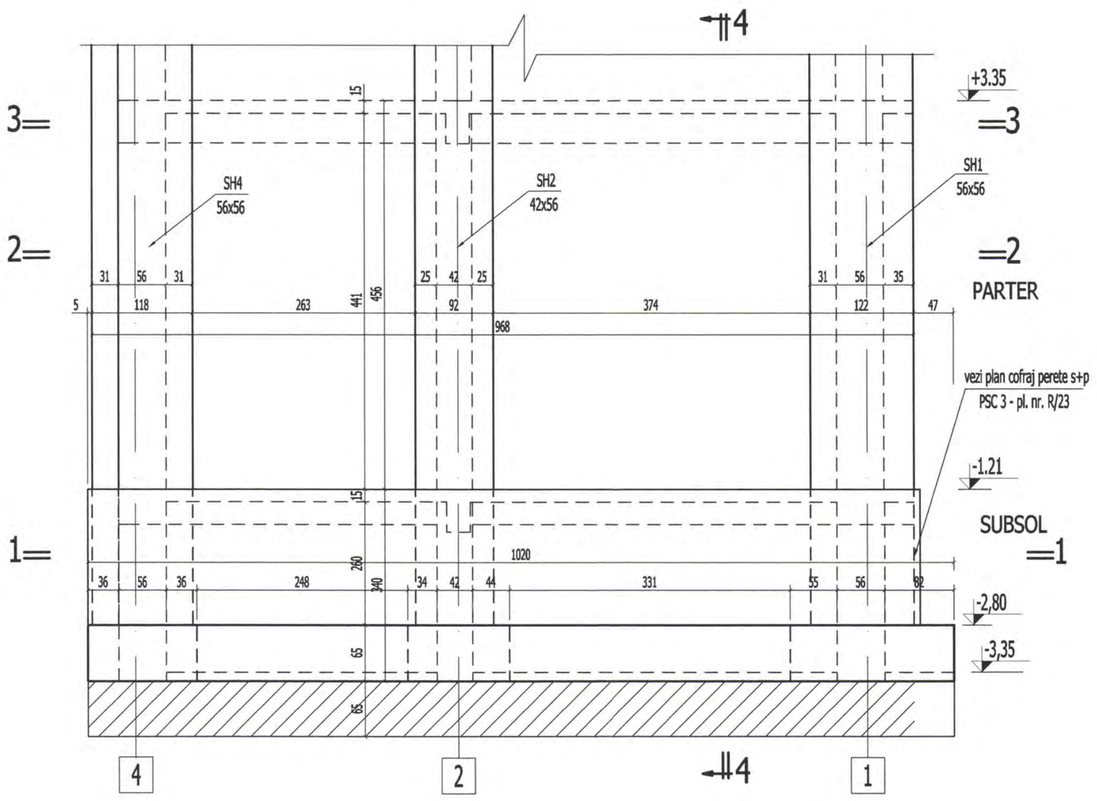
**Faza:** P.T.+ D.E.

Corp A **ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 6 AX A/1-3 -PLAN ARMARE -**

**Plansa:** R/54

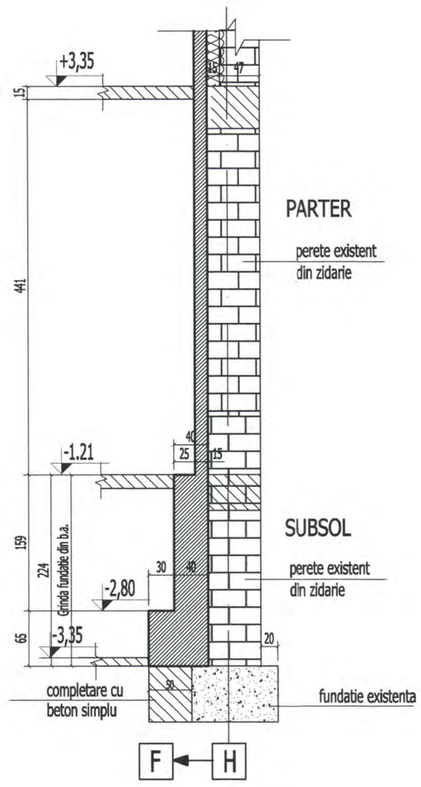
## GRINDA DE FUNDATIE PERETE PSI 7 AX H / 1 - 4

scara 1:50



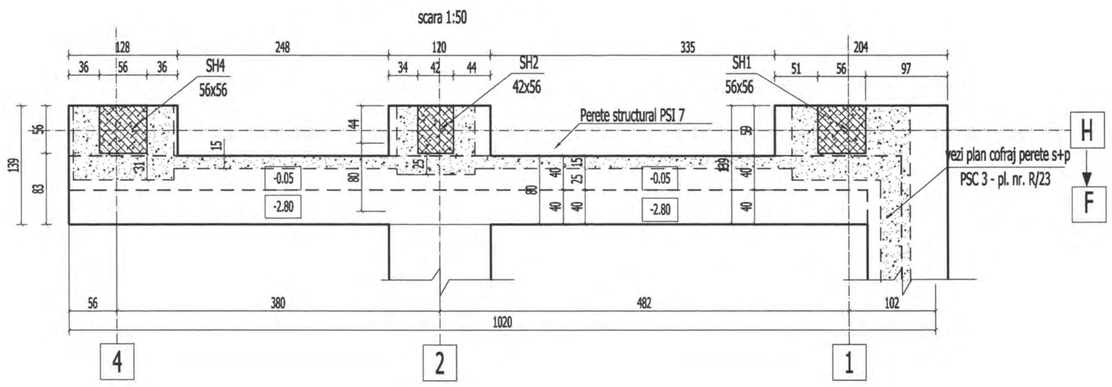

## Sectiunea 4-4

scara 1:50



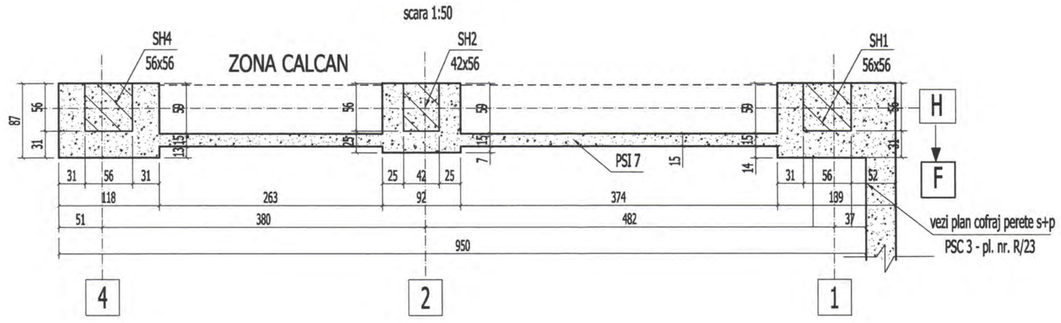

## Sectiunea 1-1 - grinda de fundare

scara 1:50



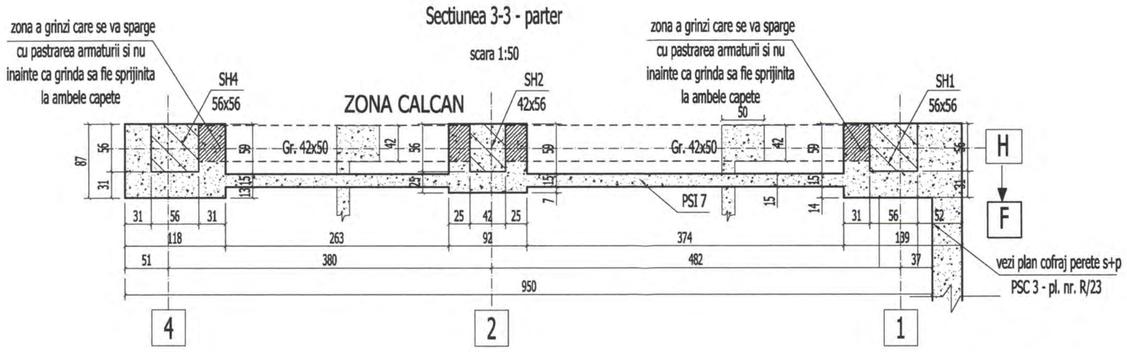

## Sectiunea 2-2 - parter

scara 1:50




## Sectiunea 3-3 - parter

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

NEFRAM HARTIUM ROMANIA MLPAT-DCLP NR. 95 A1 - A2 INGINER EXPERT TEHNIC

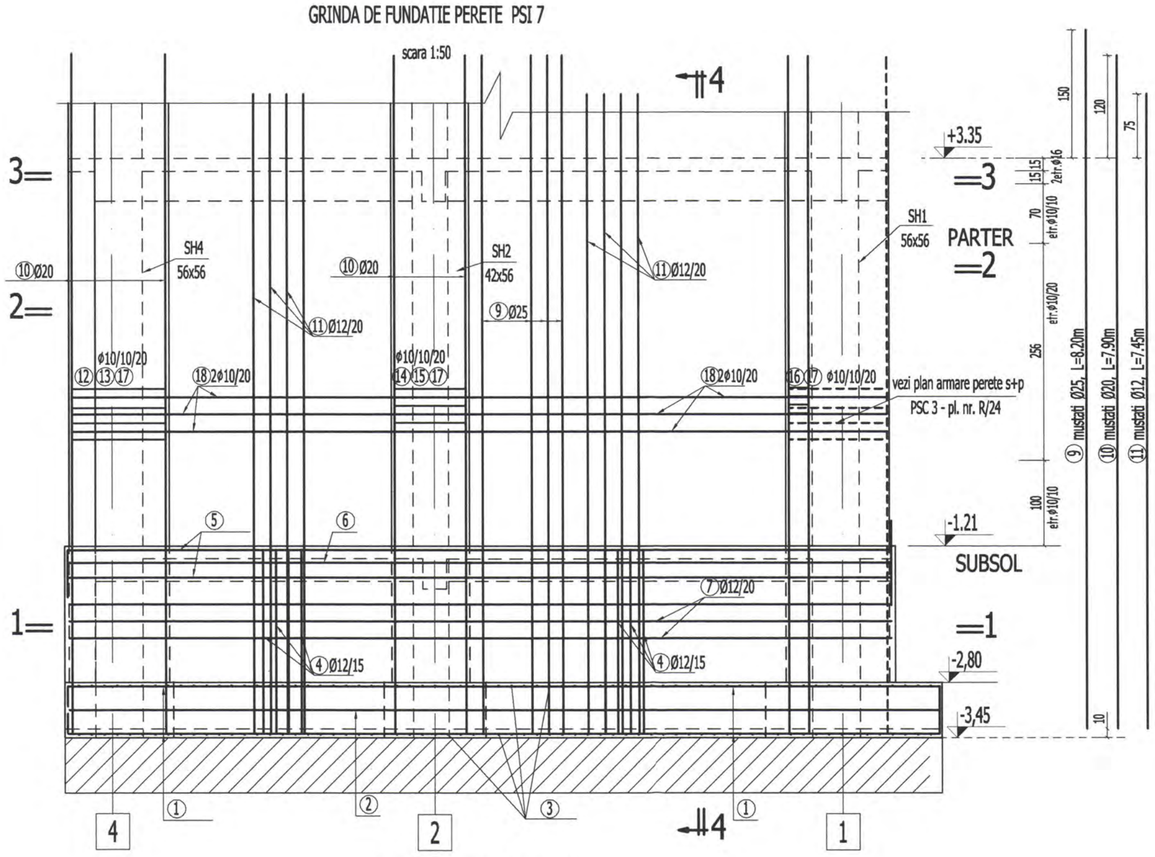
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/56 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan armare
- R/57 - Elevatie si sectiuni perete structural PSI 7. Plan cofraj
- R/58 - Elevatie si sectiuni perete structural PSI 7. Plan armare

RADU I. MARIAN ROMANIA MLPAT-DCLP NR. 291 A1, A2, A3, A8, A10, A12 INGINER VERIFICATOR PROIECTE

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI — Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A — ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 7 AX H / 1-4 , SUBSOL SI PARTER -PLAN COFRAJ - — Plansa: R/55 |
| DESENAT | ing. A. Pruna | | | |

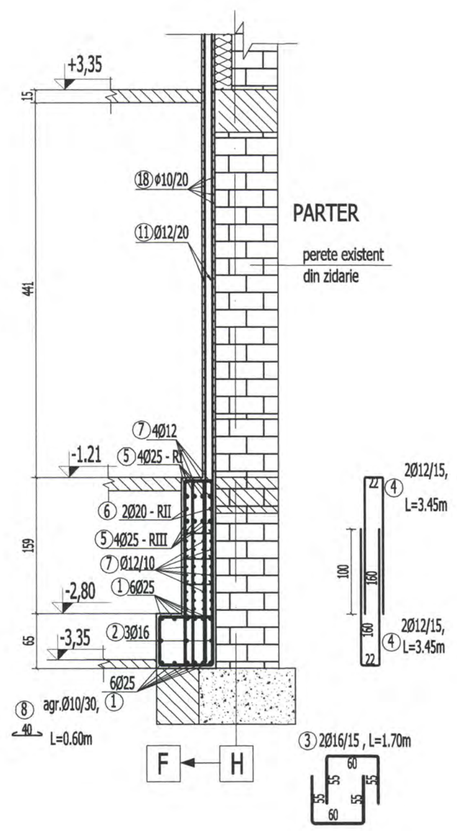
## GRINDA DE FUNDATIE PERETE PSI 7

scara 1:50



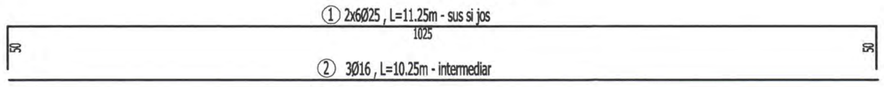

## Sectiunea 4-4

scara 1:50



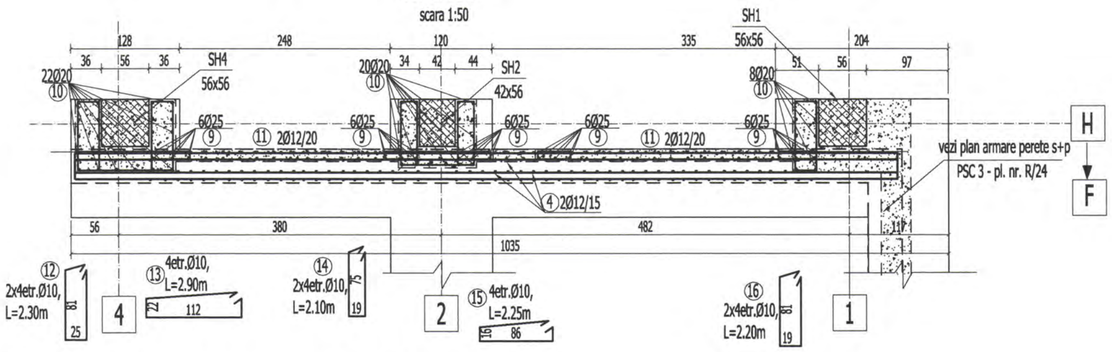

| R/66 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 7 AX H /1 - 4 / PLAN ARMARE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 12 | 10.70 | | | | | | | 128.40 |
| 2 | 16 | 3 | 10.25 | | | | | 30.75 | | |
| 3 | 16 | 132 | 1.70 | | | | | 224.40 | | |
| 4 | 12 | 264 | 3.45 | | | | 910.80 | | | |
| 5 | 25 | 8 | 10.70 | | | | | | | 85.60 |
| 6 | 20 | 2 | 10.70 | | | | | | 21.40 | |
| 7 | 12 | 44 | 10.20 | | | | 448.80 | | | |
| 8 | 10 | 102 | 0.60 | | | 61.20 | | | | |
| 9 | 25 | 30 | 8.20 | | | | | | | 246.00 |
| 10 | 20 | 50 | 7.90 | | | | | | 395.00 | |
| 11 | 12 | 50 | 7.45 | | | | 372.50 | | | |
| 12 | 10 | 68 | 2.30 | | | 156.40 | | | | |
| 13 | 10 | 34 | 2.90 | | | 98.60 | | | | |
| 14 | 10 | 68 | 2.10 | | | 142.80 | | | | |
| 15 | 10 | 34 | 2.25 | | | 76.50 | | | | |
| 16 | 10 | 68 | 2.20 | | | 149.60 | | | | |
| 17 | 10 | 40 | 1.15 | | | 46.00 | | | | |
| 18 | 10 | 40 | 9.80 | | | 392.00 | | | | |
| 19 | 8 | 117 | 0.30 | | 35.10 | | | | | |
| 20 | 16 | 4 | 2.30 | | | | | 9.20 | | |
| 21 | 16 | 2 | 2.90 | | | | | 5.80 | | |
| 22 | 16 | 4 | 2.10 | | | | | 8.40 | | |
| 23 | 16 | 2 | 2.25 | | | | | 4.50 | | |
| 24 | 16 | 2 | 2.20 | | | | | 4.40 | | |
| Lungimi /ø m | | | | 0.00 | 35.10 | 1123.10 | 1732.10 | 287.45 | 416.40 | 460.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 13.86 | 692.95 | 1537.78 | 453.69 | 1026.84 | 1772.38 |
| TOTAL kg | | | | 5498.00 | | | | | | |

## Armare talpa fundatie cota -3.45

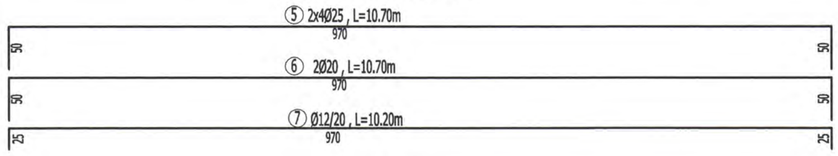



## Sectiunea 1-1

scara 1:50

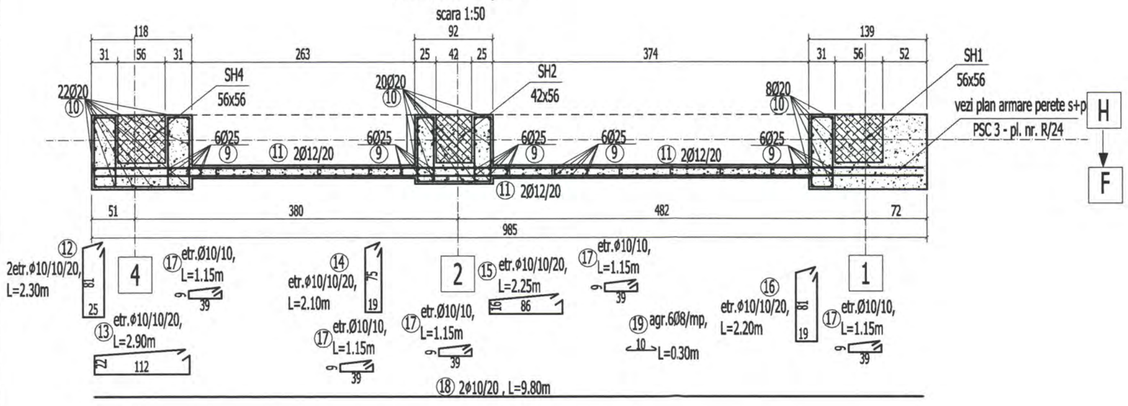



## Armare grinda fundatie cota -1.21



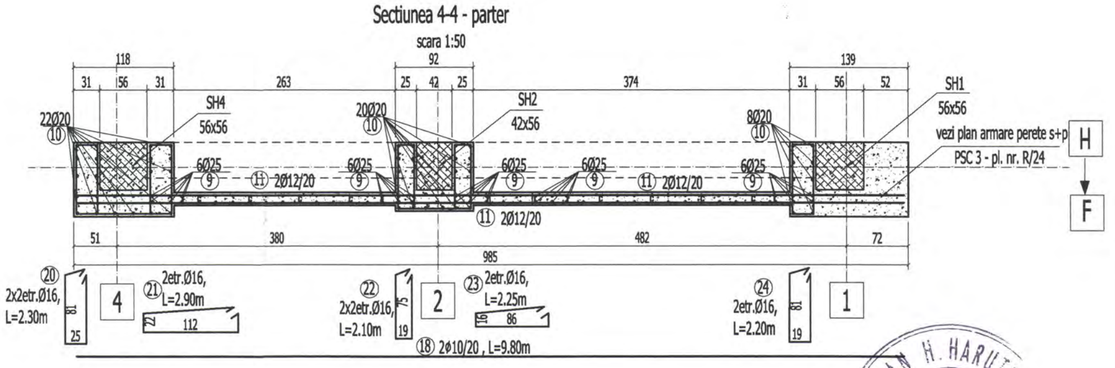

## Sectiunea 2-2 - parter

scara 1:50



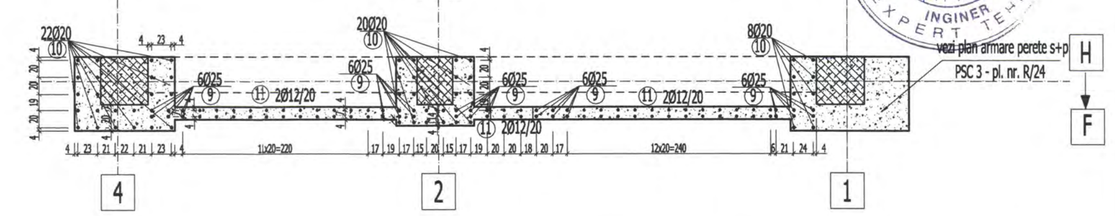

## Sectiunea 4-4 - parter

scara 1:50




## Sectiunea pozitionare mustati - parter

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

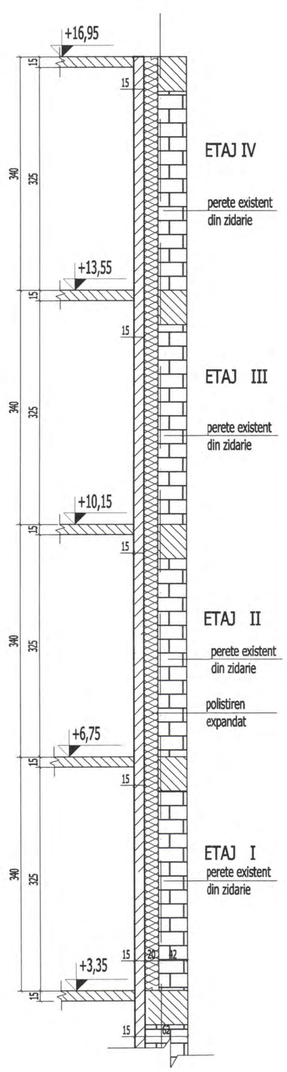
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/55 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan cofraj
- R/57 - Elevatie si sectiuni perete structural PSI 7. Plan cofraj
- R/58 - Elevatie si sectiuni perete structural PSI 7. Plan armare

| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
|---|---|---|---|---|
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T + D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 7 AX H / 1-4 . SUBSOL SI PARTER -PLAN ARMARE- | Plansa: R/56 |
| DESENAT | ing. A. Pruna | | | | |

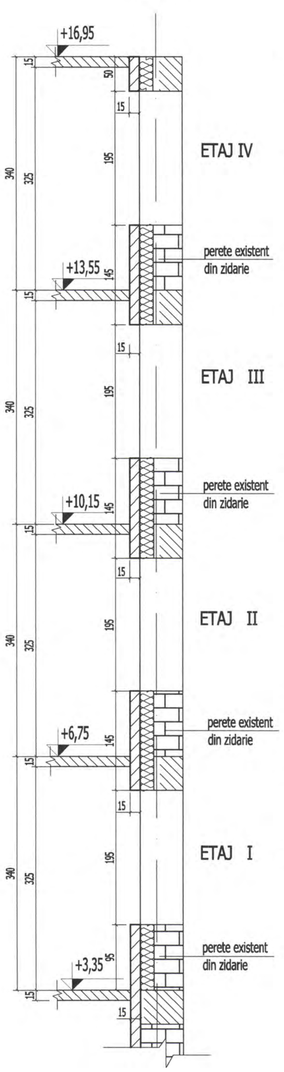
# ELEVATIE PERETE PSI 7 AX H/1 - 4 - COFRAJ

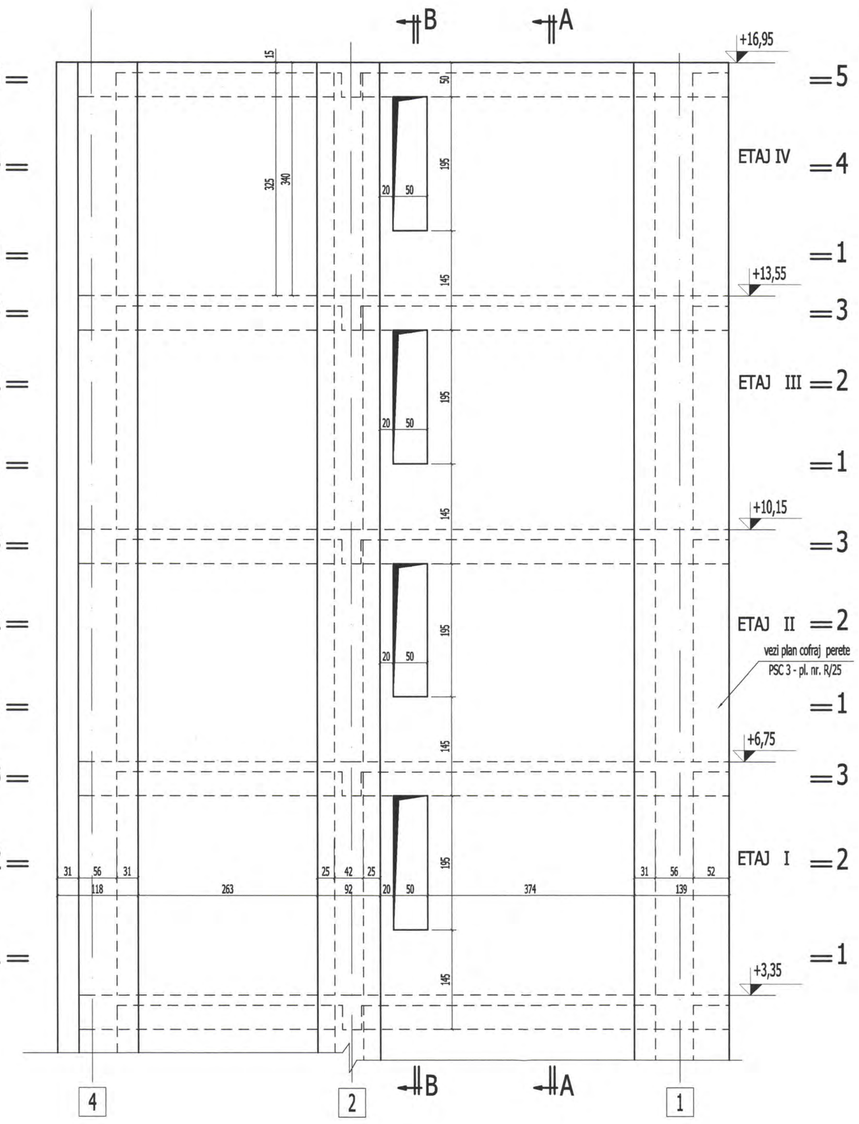
scara 1:50

Sectiunea A-A
scara 1:50

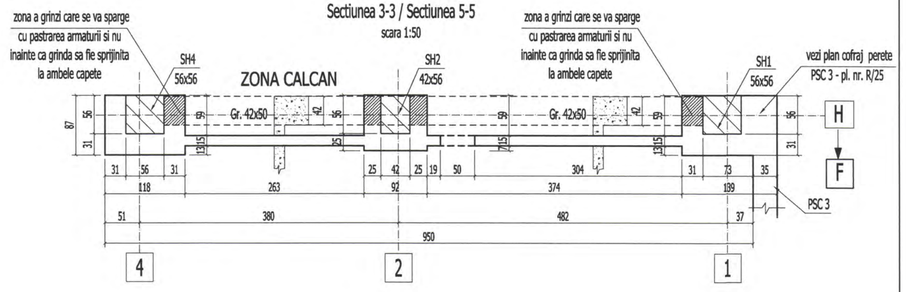



Sectiunea B-B
scara 1:50

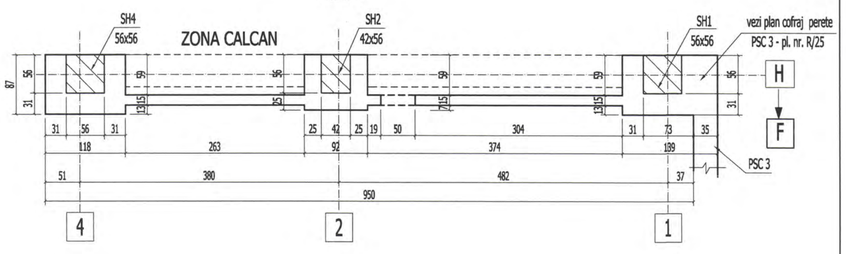


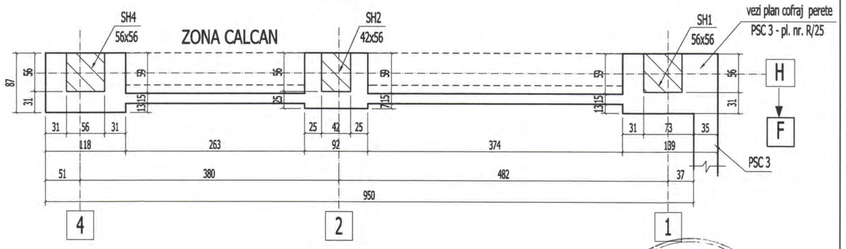

Sectiunea 3-3 / Sectiunea 5-5
scara 1:50




Sectiunea 2-2 / Sectiunea 4-4
scara 1:50




Sectiunea 1-1
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

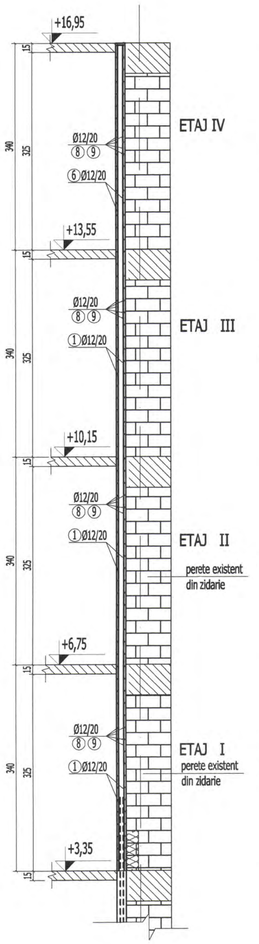
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/55 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan cofraj
- R/56 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan armare
- R/58 - Elevatie si sectiuni perete structural PSI 7. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 7 AX H/1-4 -PLAN COFRAJ- | Plansa: R/57 |
| DESENAT | Ing. A. Pruna | | | | |

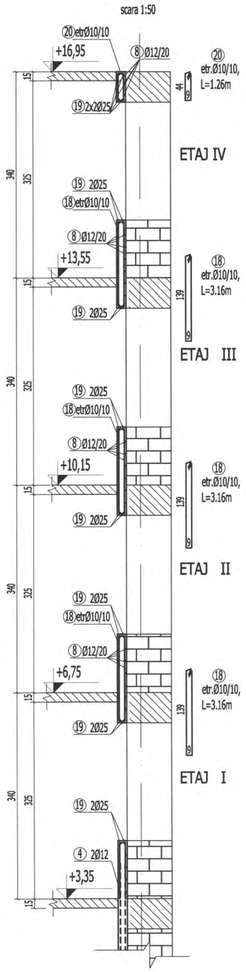
# ELEVATIE PERETE PSI 7 AX H/1 - 4 - ARMARE

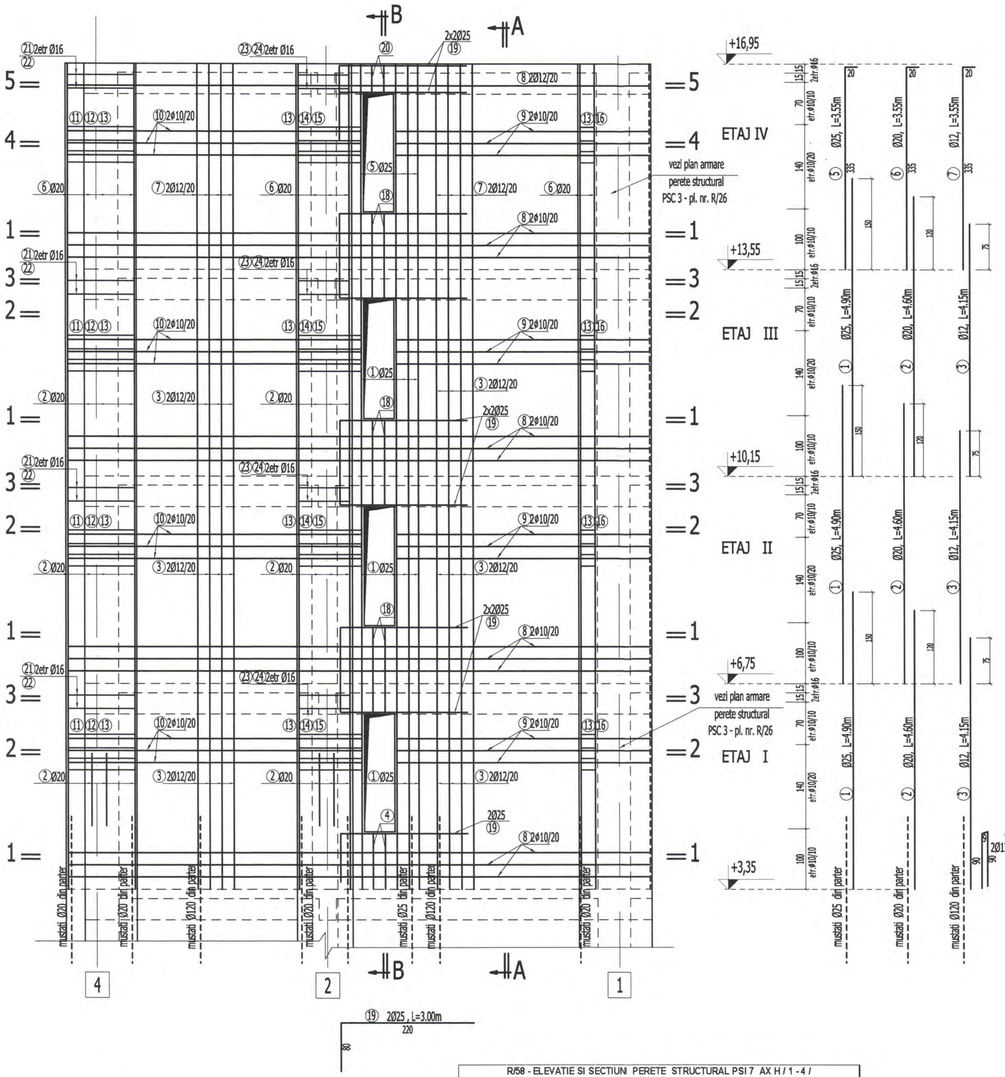
scara 1:50

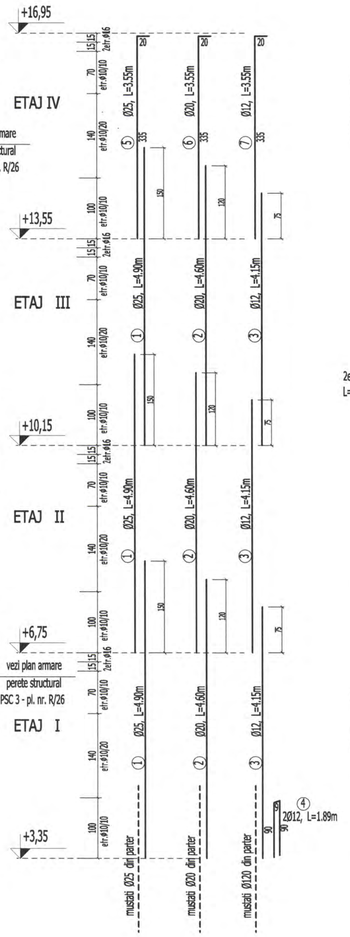
Sectiunea A-A
scara 1:50



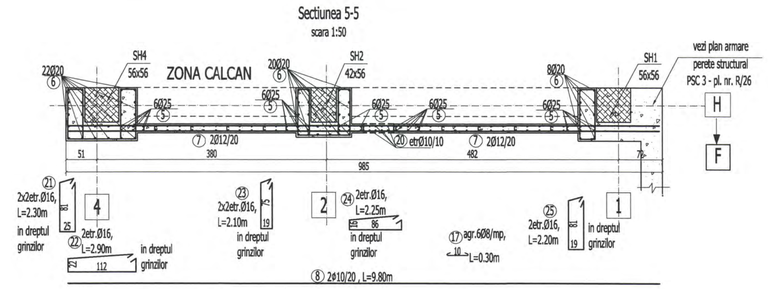

Sectiunea B-B
scara 1:50



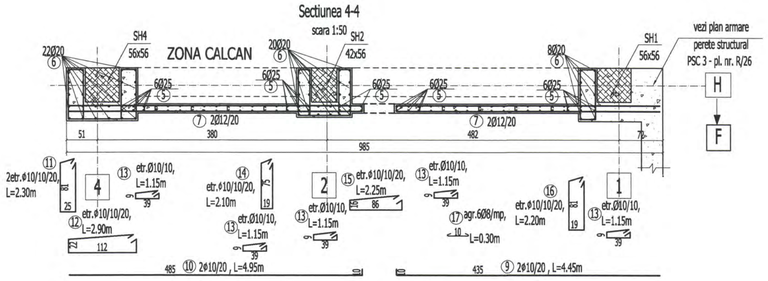



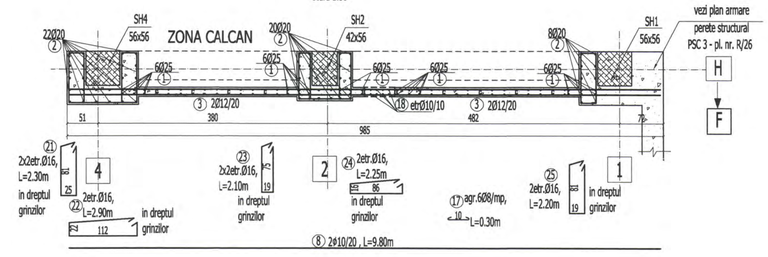

Sectiunea 5-5
scara 1:50



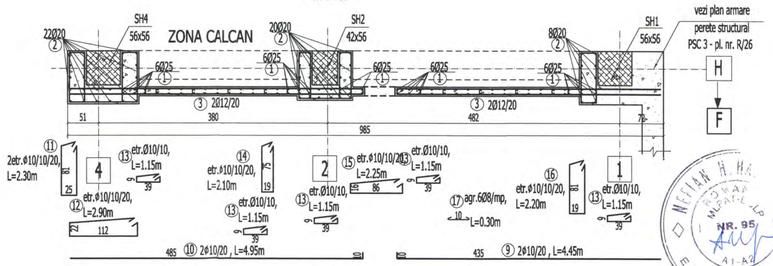

Sectiunea 4-4
scara 1:50



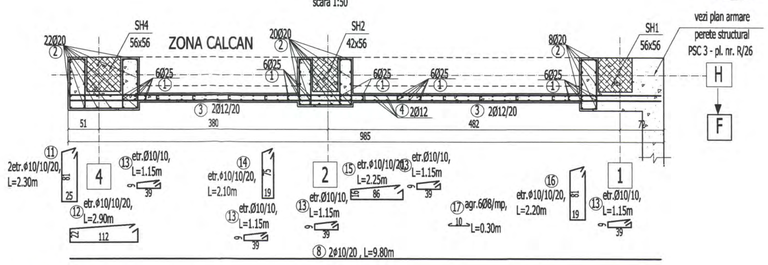

Sectiunea 3-3
scara 1:50

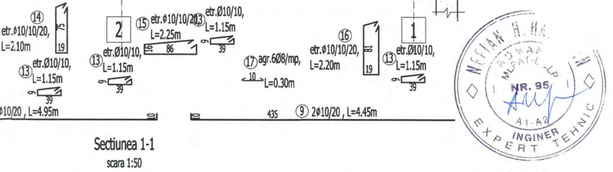



Sectiunea 2-2
scara 1:50




Sectiunea 1-1
scara 1:50







BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/55 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan cofraj
- R/56 - Elevatie si sectiuni perete structural PSI 7. Subsol si parter. Plan armare
- R/57 - Elevatie si sectiuni perete structural PSI 7. Plan cofraj

R/58 - ELEVATIE SI SECTIUN PERETE STRUCTURAL PSI 7 AX H / 1 - 4 /

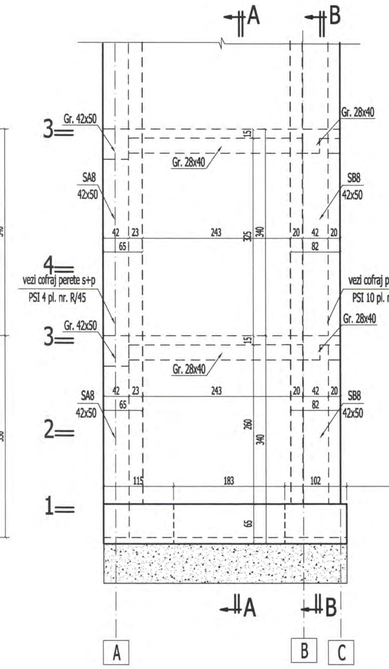
PLAN ARMARE

| Marca | ϕ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | ϕ 6 | ϕ 8 | ϕ 10 | ϕ 12 | ϕ 16 | ϕ 20 | ϕ 25 |
| 1 | 25 | 90 | 4.90 | | | | | | | 441.00 |
| 2 | 20 | 150 | 4.60 | | | | | | 690.00 | |
| 3 | 12 | 150 | 4.15 | | | | 622.50 | | | |
| 4 | 12 | 2 | 1.89 | | | | 3.78 | | | |
| 5 | 25 | 30 | 3.55 | | | | | | | 106.50 |
| 6 | 20 | 50 | 3.55 | | | | | | 177.50 | |
| 7 | 12 | 50 | 3.55 | | | | 177.50 | | | |
| 8 | 10 | 64 | 9.80 | | | 627.20 | | | | |
| 9 | 10 | 40 | 4.45 | | | 178.00 | | | | |
| 10 | 10 | 40 | 4.95 | | | 198.00 | | | | |
| 11 | 10 | 192 | 2.30 | | | 441.60 | | | | |
| 12 | 10 | 96 | 2.90 | | | 278.40 | | | | |
| 13 | 10 | 680 | 1.15 | | | 782.00 | | | | |
| 14 | 10 | 192 | 2.10 | | | 403.20 | | | | |
| 15 | 10 | 96 | 2.25 | | | 216.00 | | | | |
| 16 | 10 | 96 | 2.20 | | | 211.20 | | | | |
| 17 | 8 | 360 | 0.30 | | 108.00 | | | | | |
| 18 | 10 | 18 | 3.16 | | | 56.88 | | | | |
| 19 | 25 | 16 | 3.00 | | | | | | | 48.00 |
| 20 | 10 | 6 | 1.26 | | | 7.56 | | | | |
| 21 | 16 | 16 | 2.30 | | | | | 36.80 | | |
| 22 | 16 | 8 | 2.90 | | | | | 23.20 | | |
| 23 | 16 | 16 | 2.10 | | | | | 33.60 | | |
| 24 | 16 | 8 | 2.25 | | | | | 18.00 | | |
| 25 | 16 | 8 | 2.20 | | | | | 17.60 | | |
| Lungimi /ø m | | | | 0.00 | 108.00 | 3400.04 | 803.78 | 129.20 | 867.50 | 595.50 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 42.66 | 2097.82 | 713.61 | 203.92 | 2139.26 | 2294.46 |
| TOTAL kg | | | | 7492.00 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02.2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 7 AX H / 1-4 -PLAN ARMARE- | Plansa: R/58 |
| DESENAT | Ing. A. Pruna | | | | |

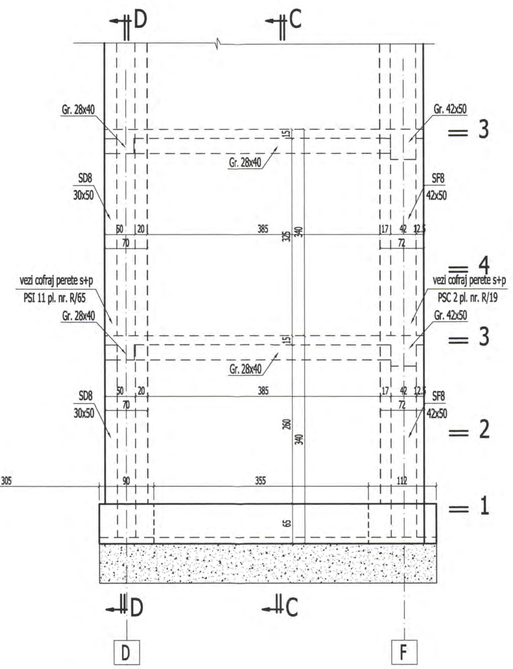
## ELEVATIE PERETE PSI 8 AX 8 /A - C - COFRAJ

scara 1:50



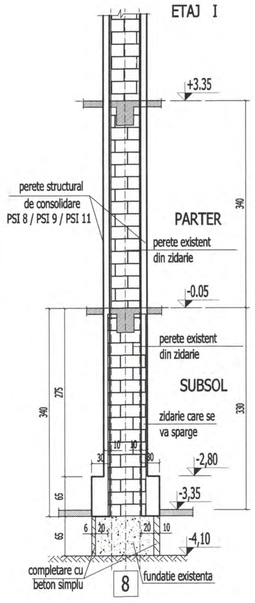

## ELEVATIE PERETE PSI 9 AX 2 /D - F - COFRAJ

scara 1:50



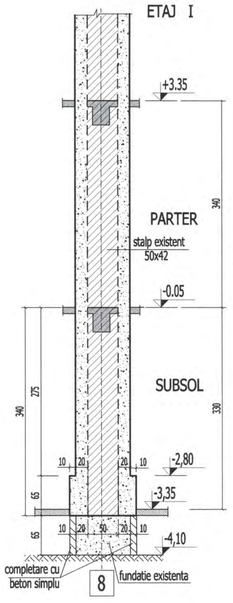

## SECTIUNE A - A

scara 1:50



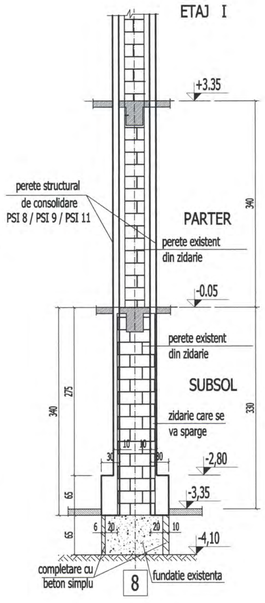

## SECTIUNE B - B

scara 1:50



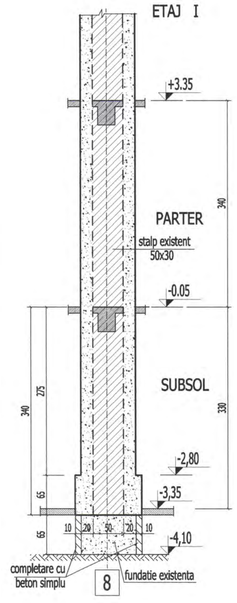

## SECTIUNE C - C

scara 1:50



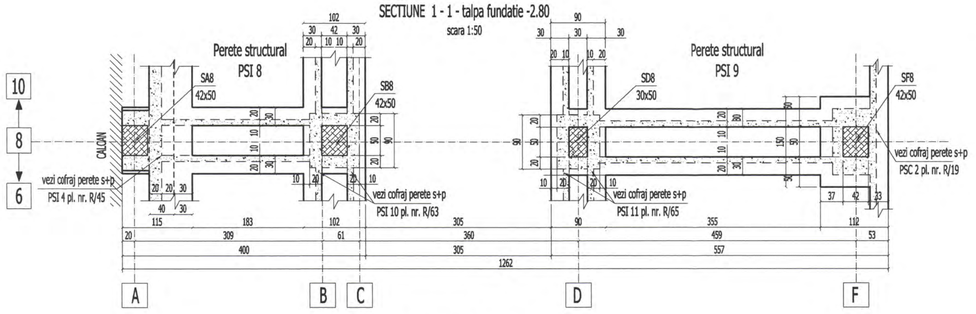

## SECTIUNE D - D

scara 1:50



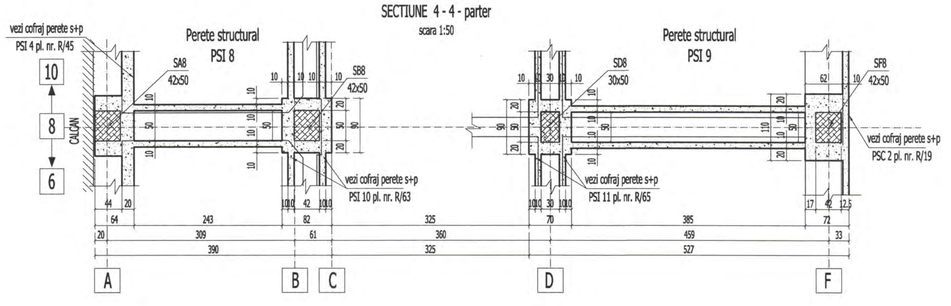

## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50



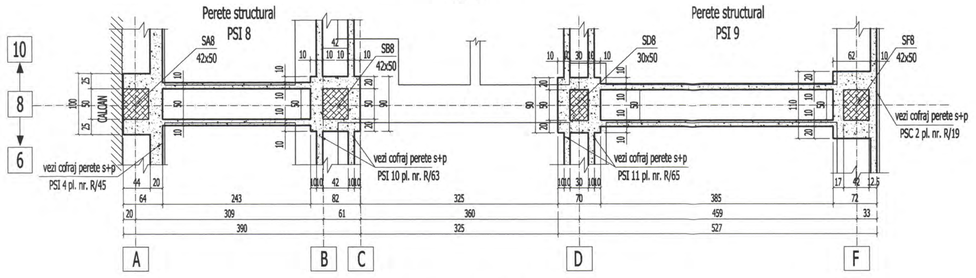

## SECTIUNE 4 - 4 - parter

scara 1:50



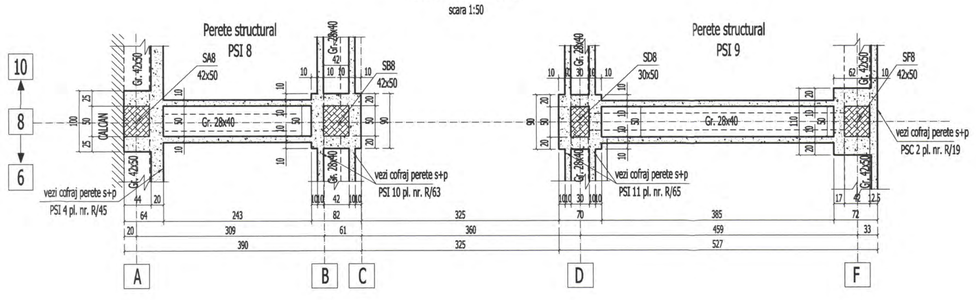

## SECTIUNE 2 - 2 - subsol

scara 1:50




## SECTIUNE 3 - 3 - subsol

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

STEFAN H. HARUTIUN ROMANIA MEDIAT-DOLAJ A1, A2 NR. 95 INGINER EXPERT TEHNIC

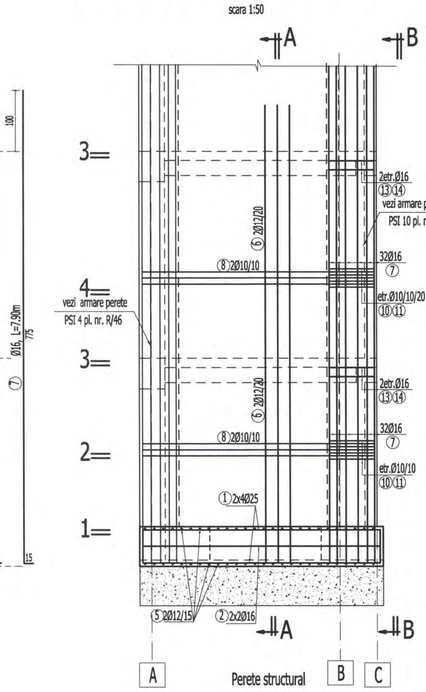
RADU I. MARIAN ROMANIA MEDIAT-DOLAJ NR. 291 A1, A2, A3, A4, A5 INGINER VERIFICATOR PROIECTE

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/60 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan armare
- R/61 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan cofraj
- R/62 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI — Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A — ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 - subsol+parter - PLAN COFRAJ - — Plansa: R/59 |
| DESENAT | ing. A. Pruna | | | |

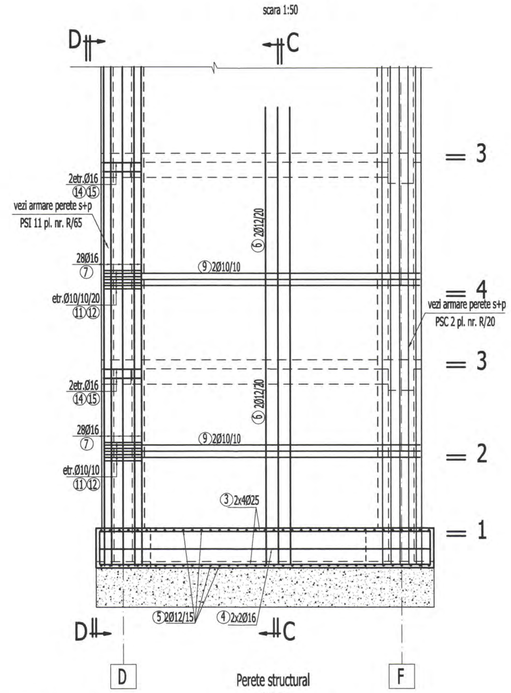
## ELEVATIE PERETE PSI 8 AX 8 /A - C - COFRAJ

scara 1:50



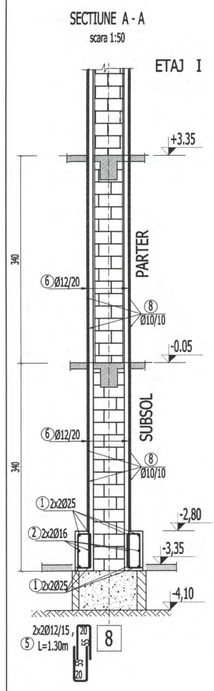

## ELEVATIE PERETE PSI 9 AX 2 /D - F - COFRAJ

scara 1:50



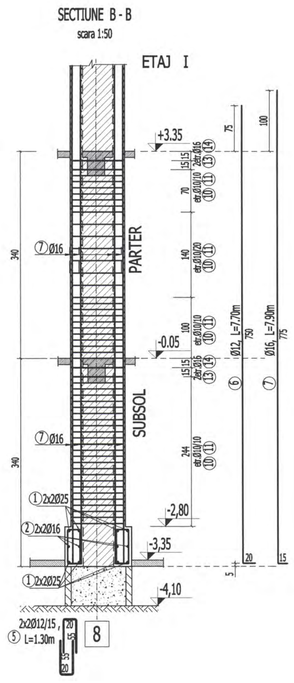

## SECTIUNE A - A

scara 1:50



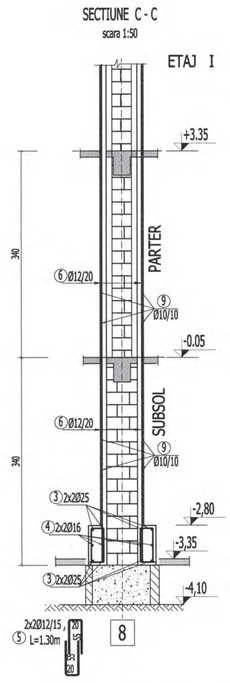

## SECTIUNE B - B

scara 1:50



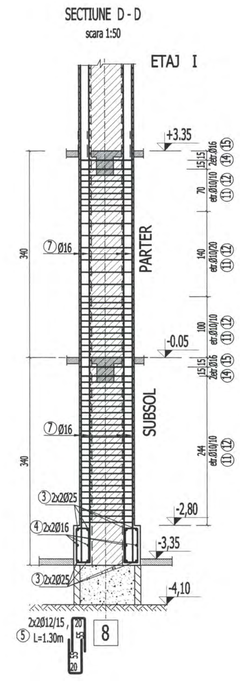

## SECTIUNE C - C

scara 1:50



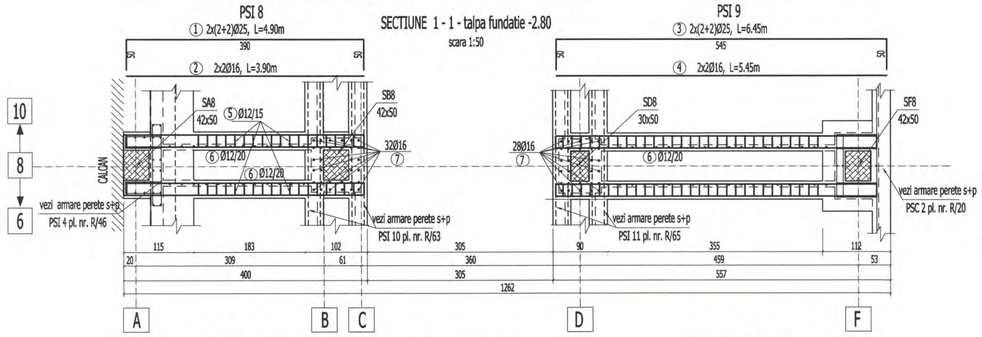

## SECTIUNE D - D

scara 1:50



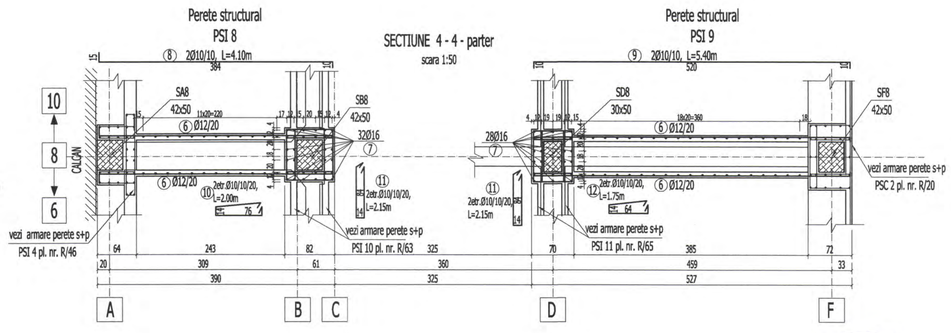

## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50



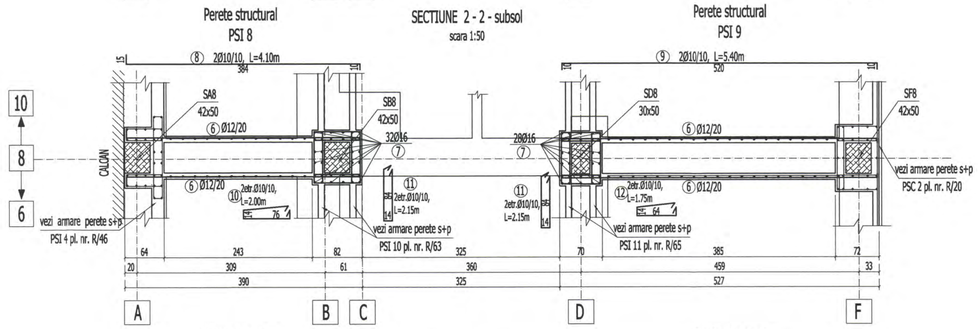

## SECTIUNE 4 - 4 - parter

scara 1:50



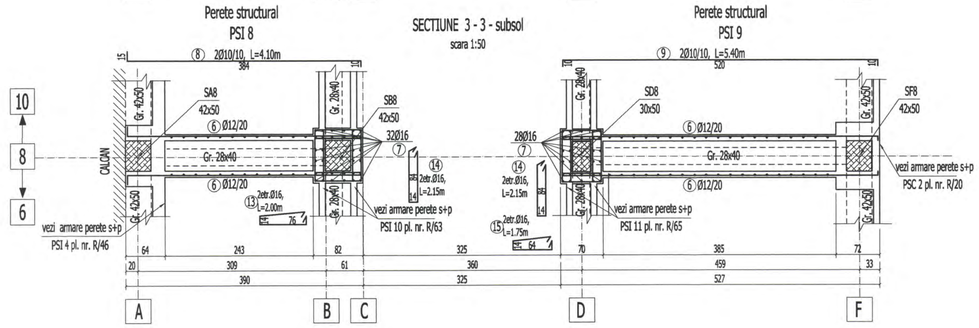

## SECTIUNE 2 - 2 - subsol

scara 1:50




## SECTIUNE 3 - 3 - subsol

scara 1:50




R/60 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 /

SUBSOL + PARTER. PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 Φ 6 | OB37 Φ 8 | PC52 Φ 10 | PC52 Φ 12 | PC52 Φ 16 | PC52 Φ 20 | PC52 Φ 25 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 25 | 8 | 4.90 | | | | | | | 39.20 |
| 2 | 16 | 4 | 3.90 | | | | | 15.60 | | |
| 3 | 25 | 8 | 6.45 | | | | | | | 51.60 |
| 4 | 16 | 4 | 5.45 | | | | | 21.80 | | |
| 5 | 12 | 188 | 1.30 | | | | 244.40 | | | |
| 6 | 12 | 62 | 7.70 | | | | 477.40 | | | |
| 7 | 16 | 60 | 7.90 | | | | | 474.00 | | |
| 8 | 10 | 122 | 4.10 | | | 500.20 | | | | |
| 9 | 10 | 122 | 5.40 | | | 658.80 | | | | |
| 10 | 10 | 96 | 2.00 | | | 192.00 | | | | |
| 11 | 10 | 192 | 2.15 | | | 412.80 | | | | |
| 12 | 10 | 96 | 1.75 | | | 168.00 | | | | |
| 13 | 16 | 4 | 2.00 | | | | | 8.00 | | |
| 14 | 16 | 8 | 2.15 | | | | | 17.20 | | |
| 15 | 16 | 4 | 1.75 | | | | | 7.00 | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 1931.80 | 721.80 | 543.60 | 0.00 | 90.80 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 1191.92 | 640.82 | 857.98 | 0.00 | 349.85 |
| **TOTAL kg** | | | | **3041.00** | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/59 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan cofraj
- R/61 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan cofraj
- R/62 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. 140/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect:

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

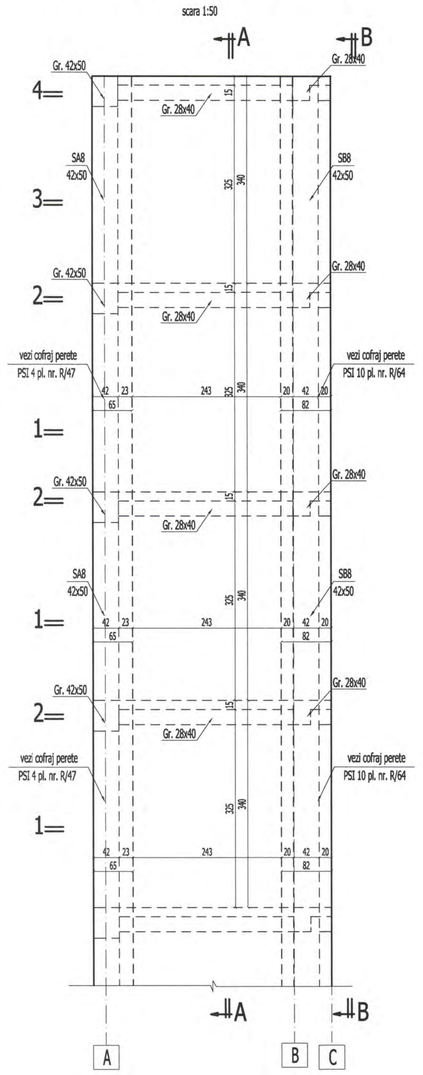
Faza: P.T.+ D.E.

Corp A — ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 - subsol+parter - PLAN ARMARE -

Plansa: R/60

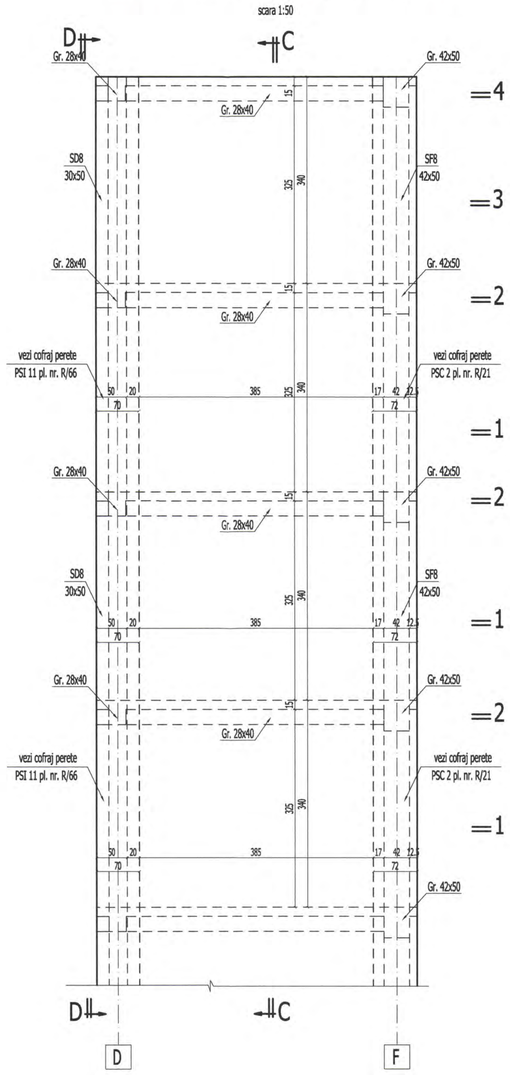
## ELEVATIE PERETE PSI 8 AX 8 /A - C - COFRAJ

scara 1:50



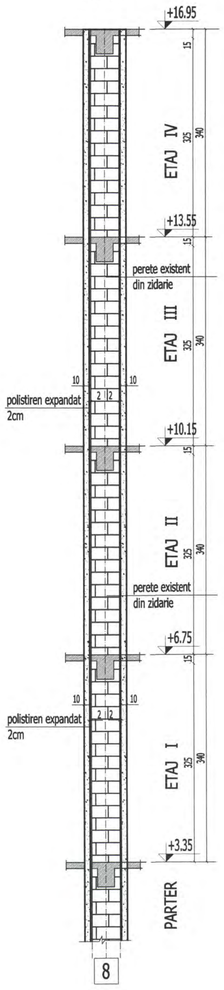

## ELEVATIE PERETE PSI 9 AX 2 /D - F - COFRAJ

scara 1:50



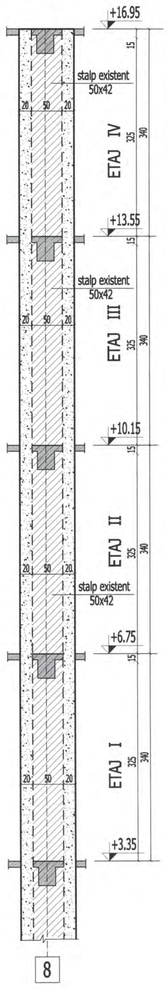

## SECTIUNE A - A

scara 1:50



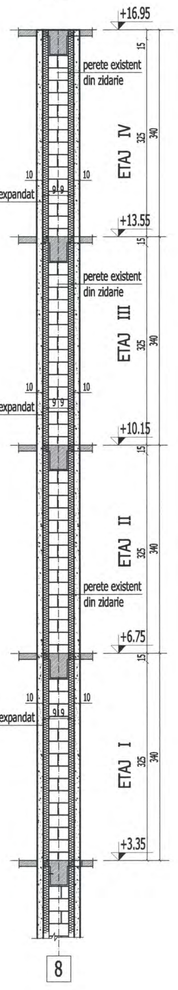

## SECTIUNE B - B

scara 1:50



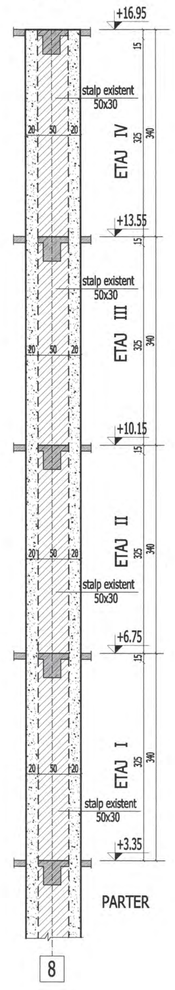

## SECTIUNE C - C

scara 1:50



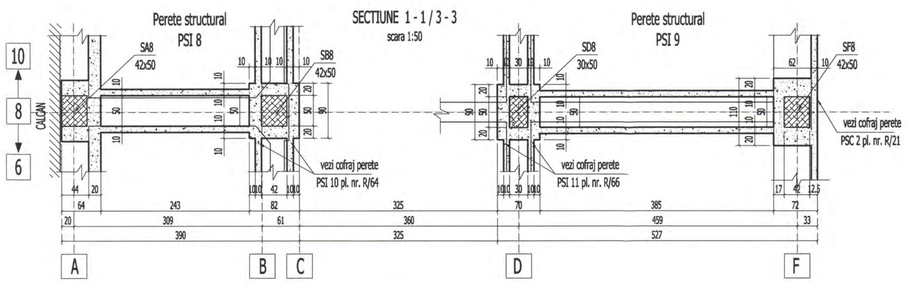

## SECTIUNE D - D

scara 1:50



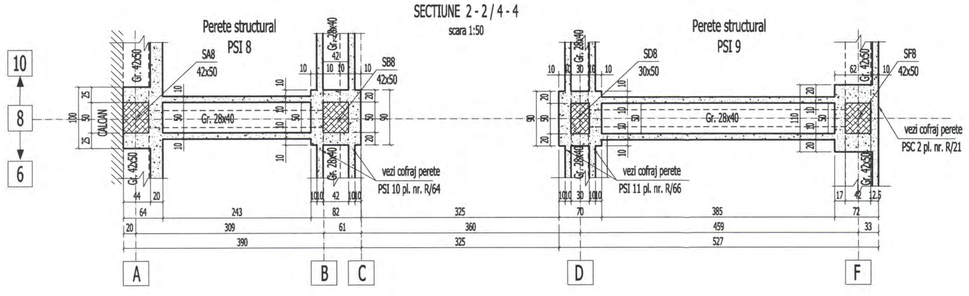

## SECTIUNE 1 - 1 / 3 - 3

scara 1:50




## SECTIUNE 2 - 2 / 4 - 4

scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/59 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan cofraj
- R/60 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan armare
- R/62 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan armare

RADU I. MARIAN INGINER VERIFICATOR PROJECTE NR. 291 A1, A2, A3, A4, A5, A6

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | Ing. N. Stamate | |
| PROIECTAT | Ing. M. Costache | |
| DESENAT | Ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

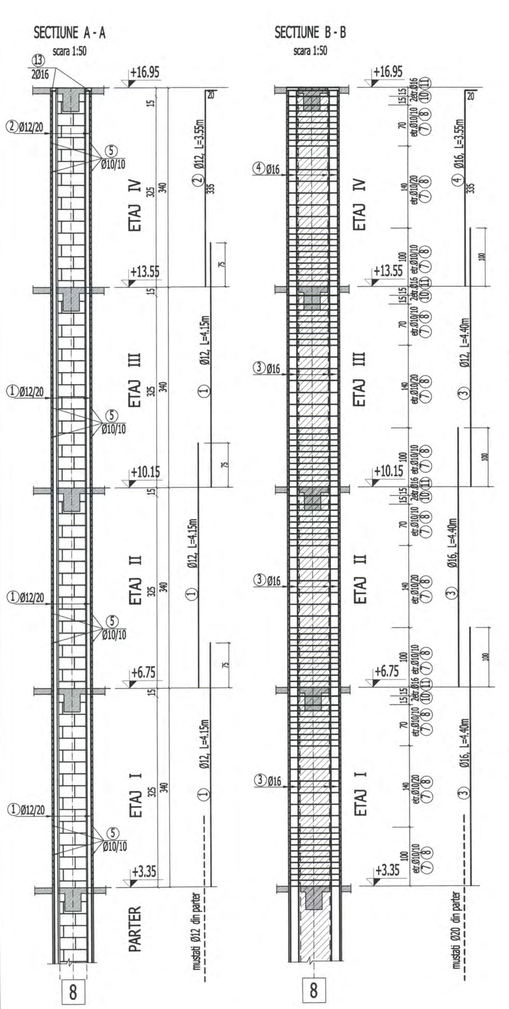
Corp A

ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 - PLAN COFRAJ -

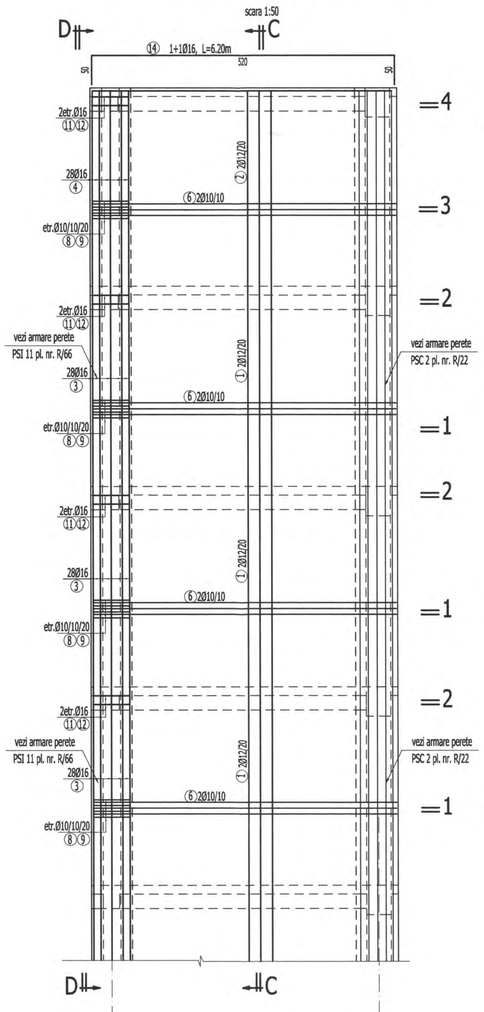
Faza: P.T.+ D.E.

Plansa: R/61

## ELEVATIE PERETE PSI 8 AX 8 /A - C - ARMARE

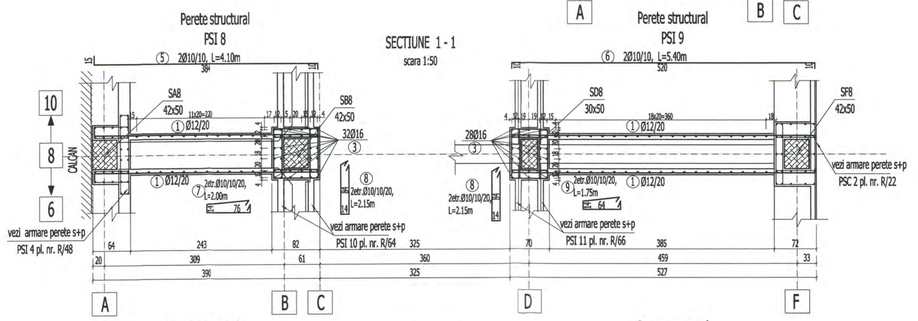



## ELEVATIE PERETE PSI 9 AX 2 /D - F - ARMARE



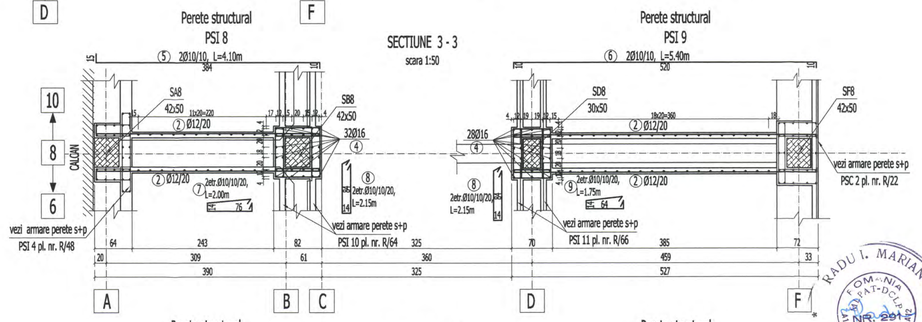

## SECTIUNE 1 - 1

scara 1:50



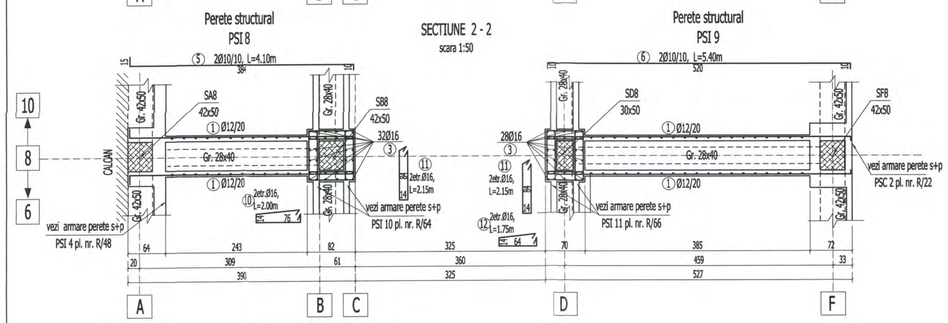

## SECTIUNE 3 - 3

scara 1:50



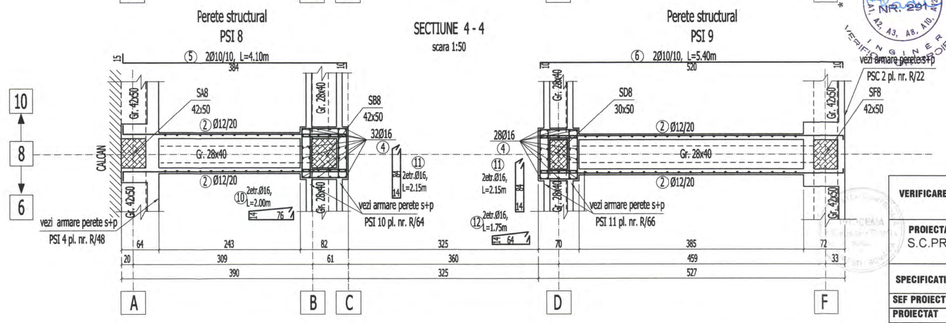

## SECTIUNE 2 - 2

scara 1:50




## SECTIUNE 4 - 4

scara 1:50




**R/62 - ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 /**

**PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 12 | 186 | 4.15 | | | | 771.90 | | | |
| 2 | 12 | 62 | 3.55 | | | | 220.10 | | | |
| 3 | 16 | 180 | 4.40 | | | | | 792.00 | | |
| 4 | 16 | 60 | 3.55 | | | | | 213.00 | | |
| 5 | 10 | 272 | 4.10 | | | 1115.20 | | | | |
| 6 | 10 | 272 | 5.40 | | | 1468.80 | | | | |
| 7 | 10 | 192 | 2.00 | | | 384.00 | | | | |
| 8 | 10 | 384 | 2.15 | | | 825.60 | | | | |
| 9 | 10 | 192 | 1.75 | | | 336.00 | | | | |
| 10 | 16 | 8 | 2.00 | | | | | 16.00 | | |
| 11 | 16 | 16 | 2.15 | | | | | 34.40 | | |
| 12 | 16 | 8 | 1.75 | | | | | 14.00 | | |
| 13 | 16 | 2 | 4.85 | | | | | 9.70 | | |
| 14 | 16 | 2 | 6.20 | | | | | 12.40 | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 4129.60 | 992.00 | 1091.50 | 0.00 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 2547.96 | 880.71 | 1722.75 | 0.00 | 0.00 |
| **TOTAL kg** | | | | | | | **5152.00** | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

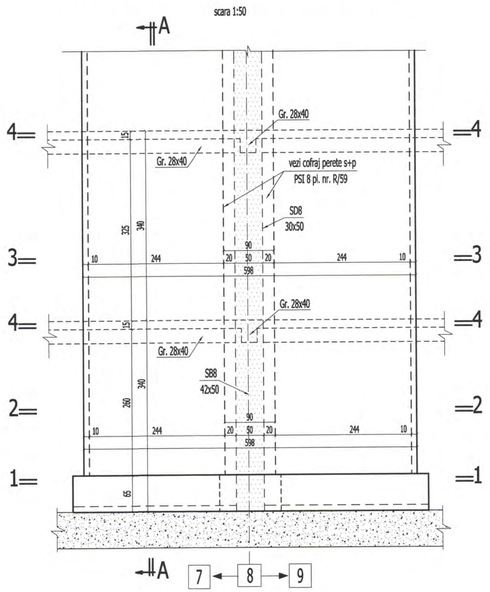
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/59 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan cofraj
- R/60 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Subsol si parter Plan armare
- R/61 - Elevatie si sectiuni perete structural PSI 8+PSI 9. Plan cofraj

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. (RO)7732004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE TIP Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 8 + PSI 9 AX 8 - PLAN ARMARE - | Plansa: R/62 |
| DESENAT | Ing. A. Pruna | | | | |

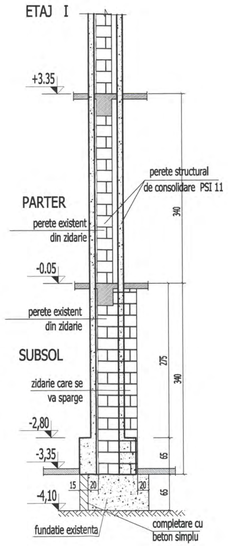
## ELEVATIE PERETE PSI 10 AX B / 7 - 9 - COFRAJ

scara 1:50



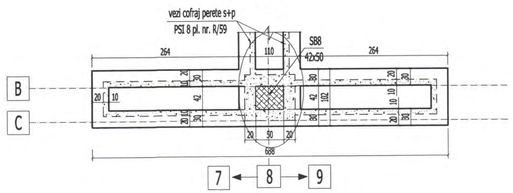

## SECTIUNE A - A

scara 1:50



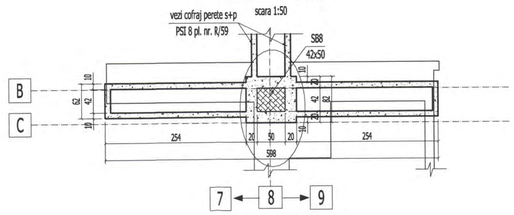

## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50



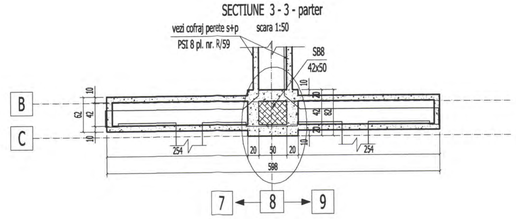

## SECTIUNE 2 - 2 - subsol

scara 1:50



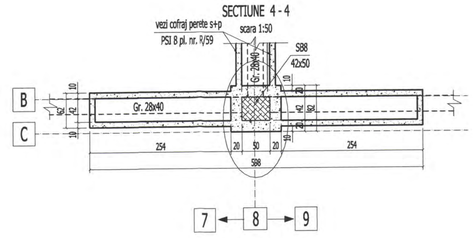

## SECTIUNE 3 - 3 - parter

scara 1:50



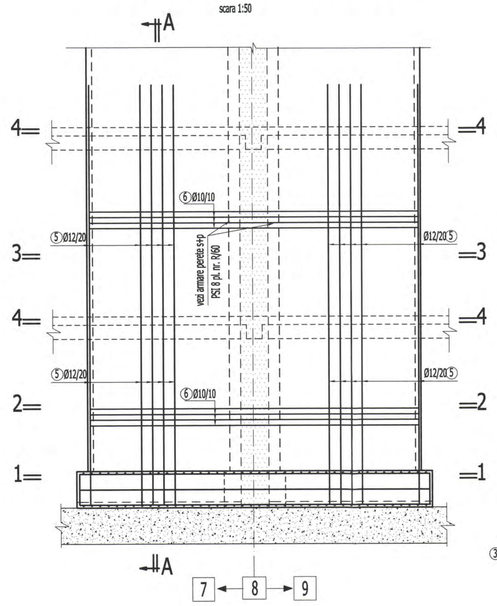

## SECTIUNE 4 - 4

scara 1:50



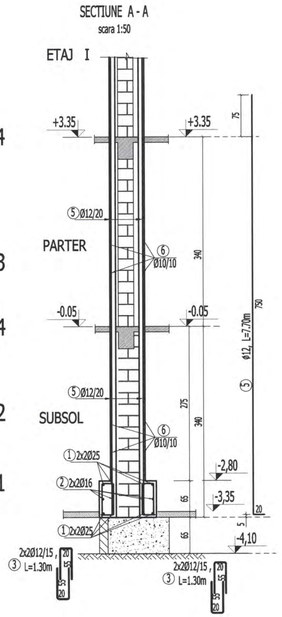

## ELEVATIE PERETE PSI 10 AX B / 7 - 9 - ARMARE

scara 1:50



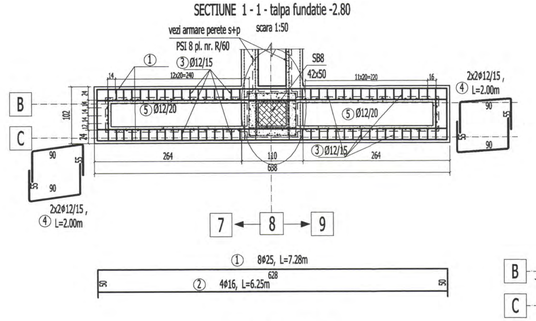

## SECTIUNE A - A

scara 1:50




## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50

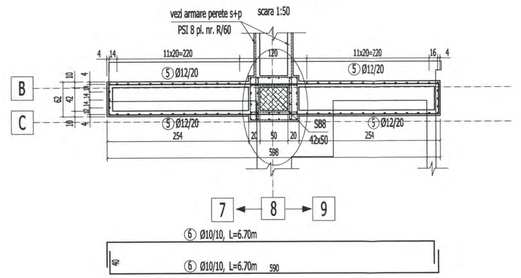



1 8Ø25, L=7.28m

2 4Ø16, L=6.25m

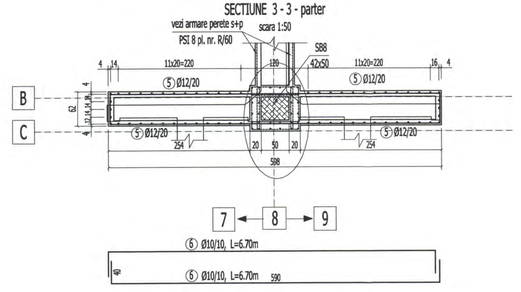
## SECTIUNE 2 - 2 - subsol

scara 1:50



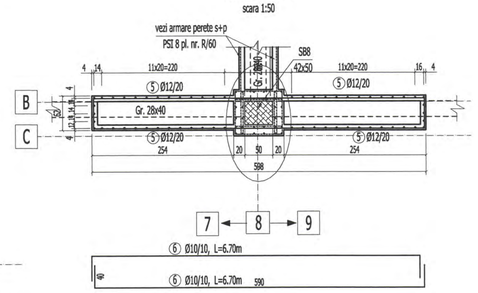

## SECTIUNE 3 - 3 - parter

scara 1:50




## SECTIUNE 4 - 4

scara 1:50




| R/63 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 10 AX B/7 - 9 / SUBSOL SI PARTER . PLAN ARMARE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB 37 | | | PC52 | | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 | |
| 1 | 25 | 8 | 7.28 | | | | | | | | 58.24 |
| 2 | 16 | 4 | 6.25 | | | | | 25.00 | | | |
| 3 | 12 | 124 | 1.30 | | | | 161.20 | | | | |
| 4 | 12 | 8 | 2.00 | | | | 16.00 | | | | |
| 5 | 12 | 58 | 7.70 | | | | 446.60 | | | | |
| 6 | 10 | 122 | 6.70 | | | 817.40 | | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 817.40 | 623.80 | 25.00 | 0.00 | 58.24 | |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 | |
| Masa totala /ø m | | | | 0.00 | 0.00 | 504.34 | 553.82 | 39.46 | 0.00 | 224.40 | |
| TOTAL kg | | | | 1323.00 | | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/64 - Elevatie si sectiuni perete structural PSI 10. Plan cofraj si armare

RADU I. MARIAN
PCM - NR. 2514
A1, A2, A3, A4, A5
INGINER VERIFICATOR PROIECTE

NEHAM P. CONSTANTIN
INGINER EXPERT TEHNIC

| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
|---|---|---|---|---|
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. 16077712/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | Ing. N. Stamate | |
| PROIECTAT | Ing. M. Costache | |
| DESENAT | Ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Corp A

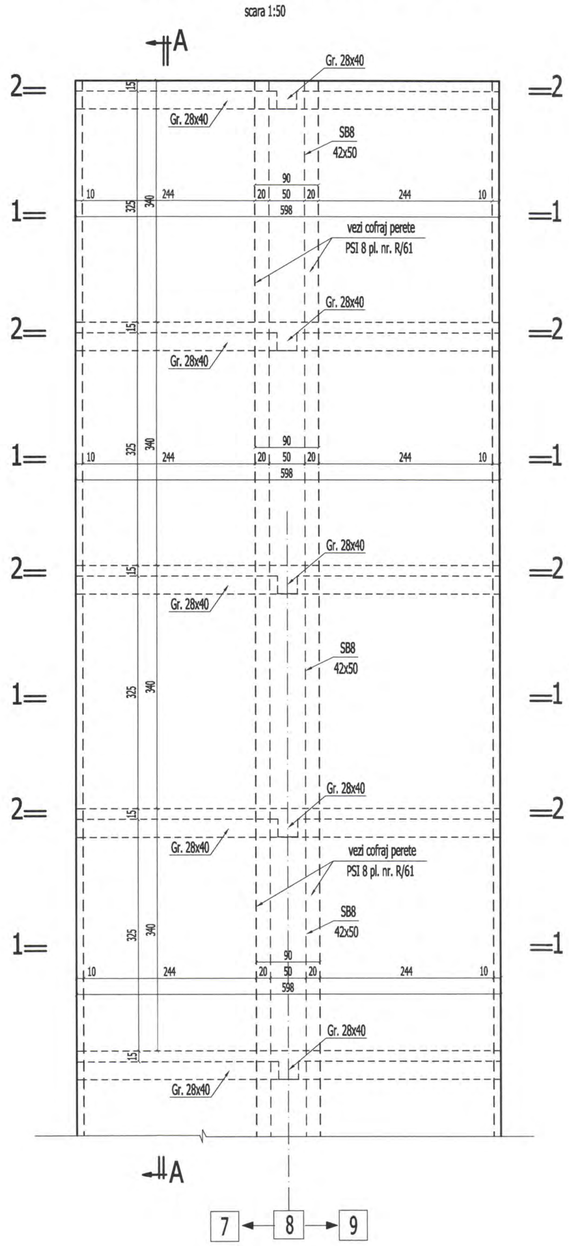
ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 10 AX B / 7 - 9 - subsol+parter - PLAN COFRAJ SI ARMARE -

Faza: P.T.+ D.E.

Plansa: R/63

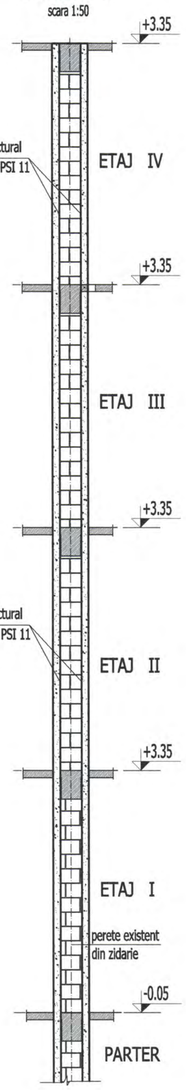
# ELEVATIE PERETE PSI 10 AX B /7 - 9 - COFRAJ

scara 1:50



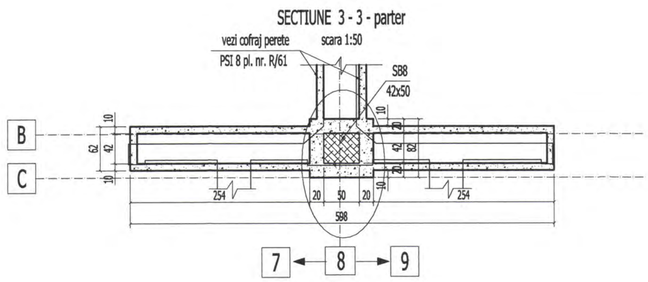

SECTIUNE A - A

scara 1:50



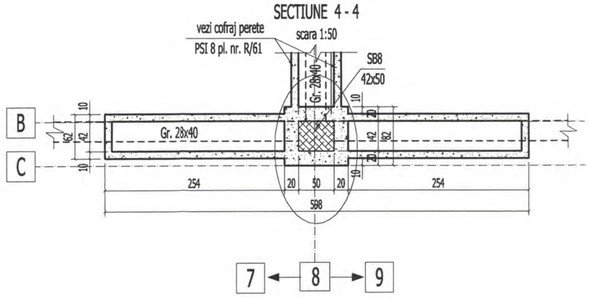

SECTIUNE 3 - 3 - parter

scara 1:50



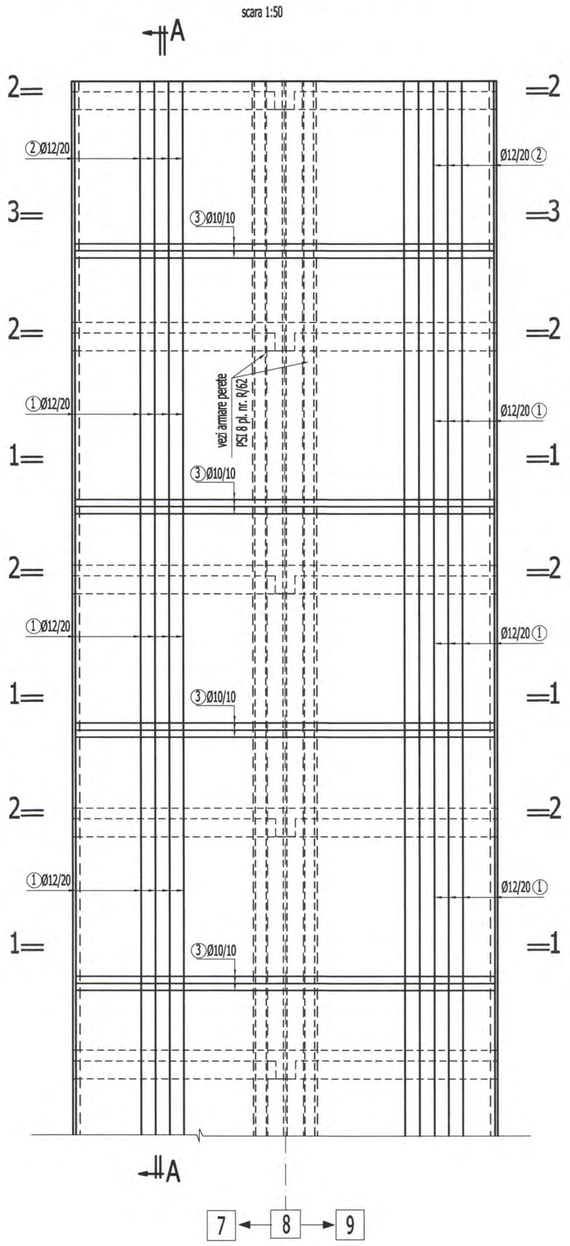

SECTIUNE 4 - 4

scara 1:50



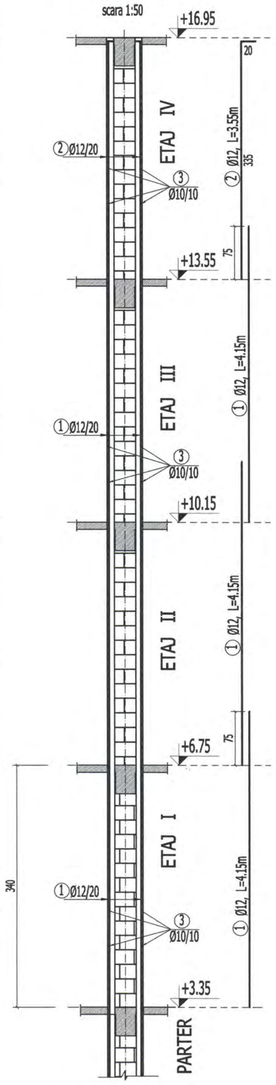

# ELEVATIE PERETE PSI 10 AX B /7 - 9 - ARMARE

scara 1:50



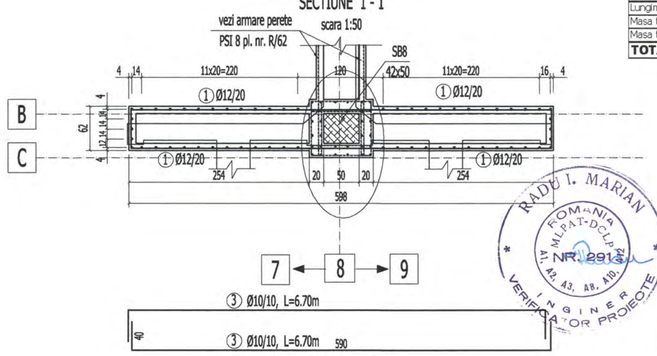

SECTIUNE A - A

scara 1:50



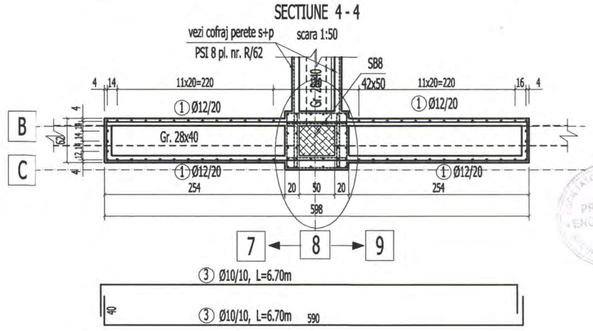

SECTIUNE 1 - 1

scara 1:50




SECTIUNE 4 - 4

scara 1:50




| R/64 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 10 AX B / 7 - 9 / PLAN ARMARE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 12 | 174 | 4.15 | | | | 722.10 | | | |
| 2 | 12 | 58 | 3.55 | | | | 205.90 | | | |
| 3 | 10 | 272 | 6.70 | | | 1822.40 | | | | |
| | | | | | | | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 1822.40 | 928.00 | 0.00 | 0.00 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 1124.42 | 823.89 | 0.00 | 0.00 | 0.00 |
| **TOTAL kg** | | | | **1949.00** | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

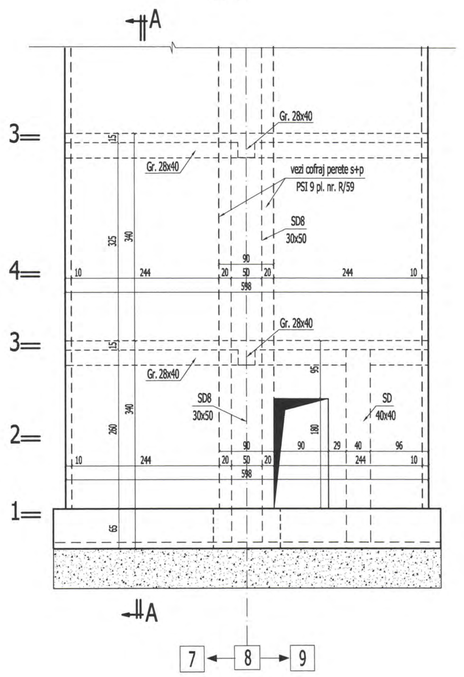
1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/63 - Elevatie si sectiuni perete structural PSI 11. Subsol si parter. Plan cofraj si armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | Ing. N. Stamate | | | | |
| PROIECTAT | Ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 10 AX B / 7 - 9 - PLAN COFRAJ SI ARMARE - | Plansa: R/64 |
| DESENAT | Ing. A. Pruna | | | | |

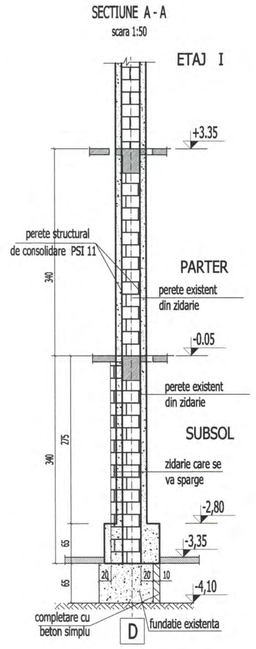
## ELEVATIE PERETE PSI 11 AX D /7 - 9 - COFRAJ

scara 1:50



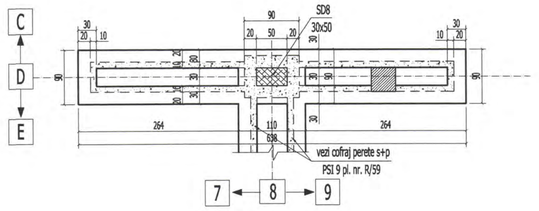

## SECTIUNE A - A

scara 1:50



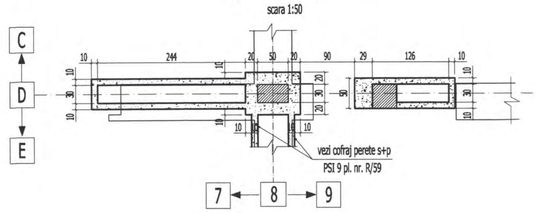

## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50



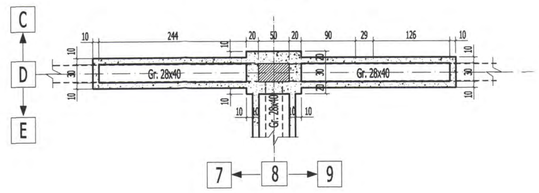

## SECTIUNE 2 - 2 - subsol

scara 1:50



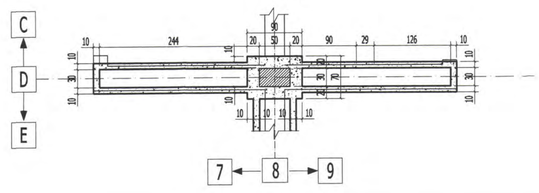

## SECTIUNE 3 - 3

scara 1:50



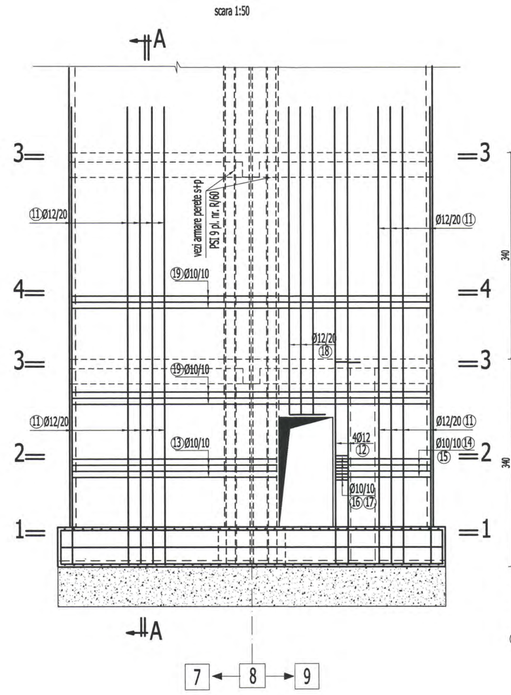

## SECTIUNE 4 - 4 - parter

scara 1:50



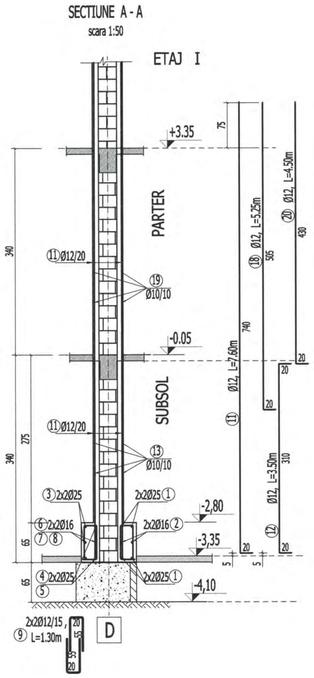

## ELEVATIE PERETE PSI 11 AX D /7 - 9 - ARMARE

scara 1:50



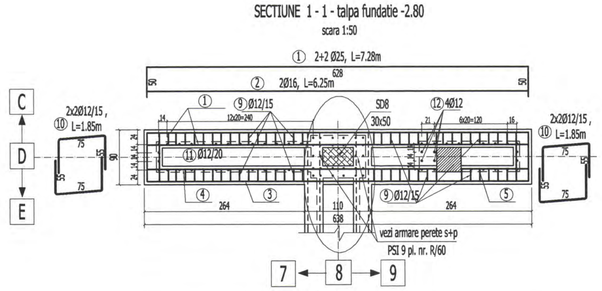

## SECTIUNE A - A

scara 1:50




## SECTIUNE 1 - 1 - talpa fundatie -2.80

scara 1:50




① 2+2 Ø25, L=7.28m

② 2Ø16, L=6.25m

③ 2 Ø25, L=7.28m

⑥ 2Ø16, L=6.25m

④ 2 Ø25, L=5.72m

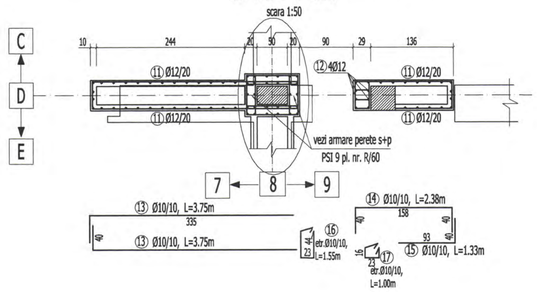
⑦ 2Ø16, L=4.70m

⑤ 2 Ø25, L=2.05m

⑧ 2Ø16, L=1.00m

## SECTIUNE 2 - 2 - subsol

scara 1:50




⑬ Ø10/10, L=3.75m

⑭ Ø10/10, L=2.38m

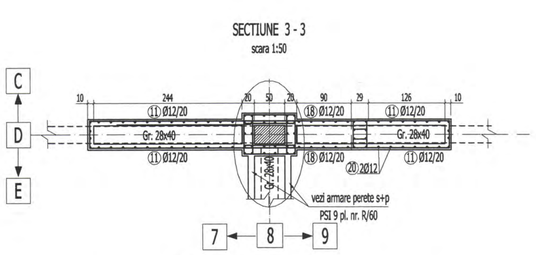
⑮ Ø10/10, L=1.33m

⑯ etr.Ø10/10, L=1.55m

⑰ etr.Ø10/10, L=1.00m

## SECTIUNE 3 - 3

scara 1:50

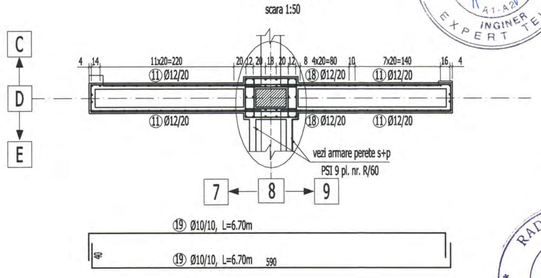



⑲ Ø10/10, L=6.70m

⑲ Ø10/10, L=6.70m

## SECTIUNE 4 - 4 - parter

scara 1:50




⑲ Ø10/10, L=6.70m

⑲ Ø10/10, L=6.70m

**R/65 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 11 AX D/7 - 9 /**
**SUBSOL SI PARTER . PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB 37 | | PC52 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 25 | 4 | 7.28 | | | | | | | 29.12 |
| 2 | 16 | 2 | 6.25 | | | | | 12.50 | | |
| 3 | 25 | 2 | 7.28 | | | | | | | 14.56 |
| 4 | 25 | 2 | 5.72 | | | | | | | 11.44 |
| 5 | 25 | 2 | 2.05 | | | | | | | 4.10 |
| 6 | 16 | 2 | 6.25 | | | | | 12.50 | | |
| 7 | 16 | 2 | 4.70 | | | | | 9.40 | | |
| 8 | 16 | 2 | 1.00 | | | | | 2.00 | | |
| 9 | 12 | 124 | 1.30 | | | | 161.20 | | | |
| 10 | 12 | 8 | 1.85 | | | | 14.80 | | | |
| 11 | 12 | 46 | 7.60 | | | | 349.60 | | | |
| 12 | 12 | 4 | 3.50 | | | | 14.00 | | | |
| 13 | 10 | 54 | 3.75 | | | 202.50 | | | | |
| 14 | 10 | 27 | 2.38 | | | 64.26 | | | | |
| 15 | 10 | 27 | 1.33 | | | 35.91 | | | | |
| 16 | 10 | 27 | 1.55 | | | 41.85 | | | | |
| 17 | 10 | 27 | 1.00 | | | 27.00 | | | | |
| 18 | 12 | 10 | 5.25 | | | | 52.50 | | | |
| 19 | 10 | 86 | 6.70 | | | 576.20 | | | | |
| 20 | 12 | 2 | 4.50 | | | | 9.00 | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 947.72 | 601.10 | 36.40 | 0.00 | 59.22 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 584.74 | 533.67 | 57.45 | 0.00 | 228.17 |
| **TOTAL kg** | | | | **1405.00** | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, PC52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 10d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

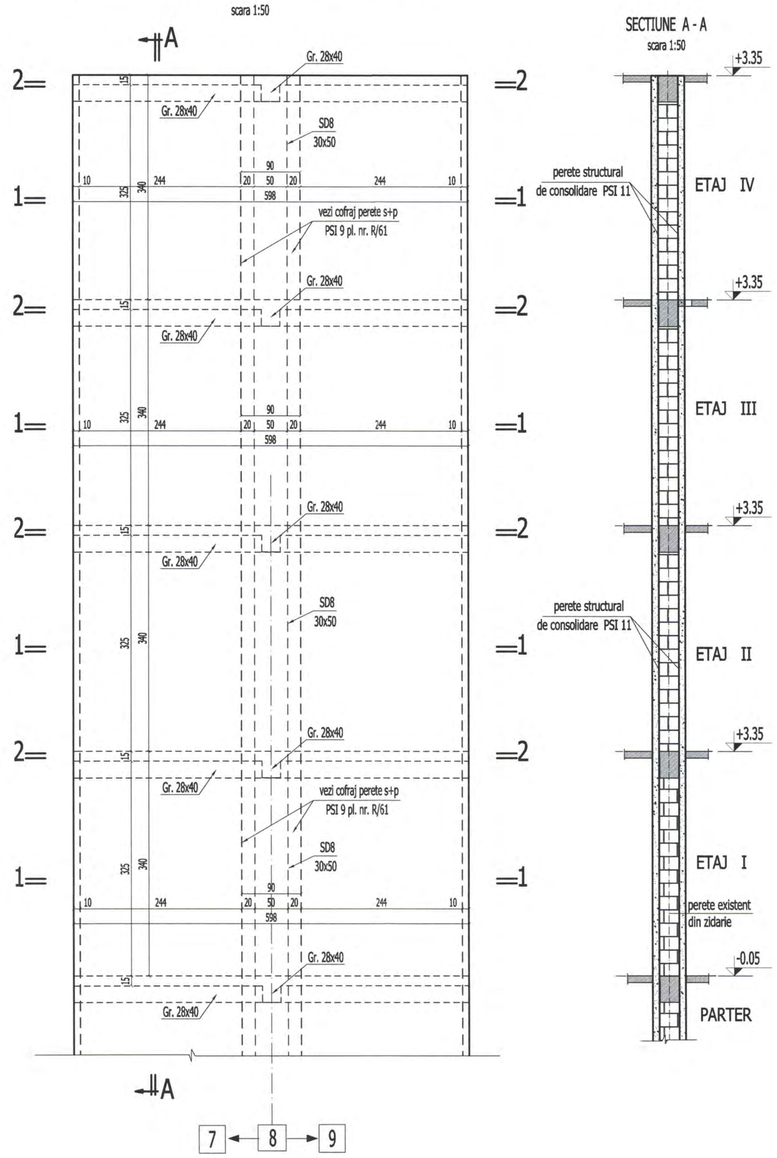
Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/66 - Elevatie si sectiuni perete structural PSI 11. Plan cofraj si armare

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

| | | | | | |
|---|---|---|---|---|---|
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 11 AX D/7 - 9 - subsol+parter - PLAN COFRAJ SI ARMARE - | Plansa: R/65 |
| DESENAT | ing. A. Pruna | | | | |

## ELEVATIE PERETE PSI 11 AX D /7 - 9 - COFRAJ

scara 1:50



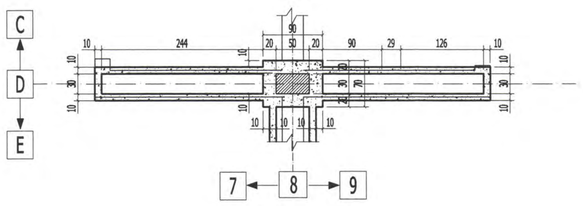

## SECTIUNE A - A

scara 1:50



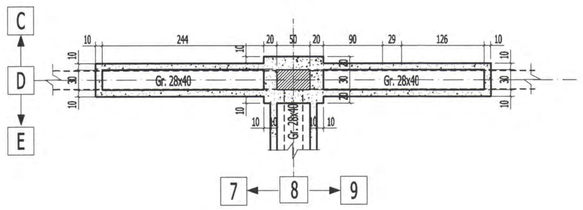

## SECTIUNE 1 - 1 / 3 - 3

scara 1:50



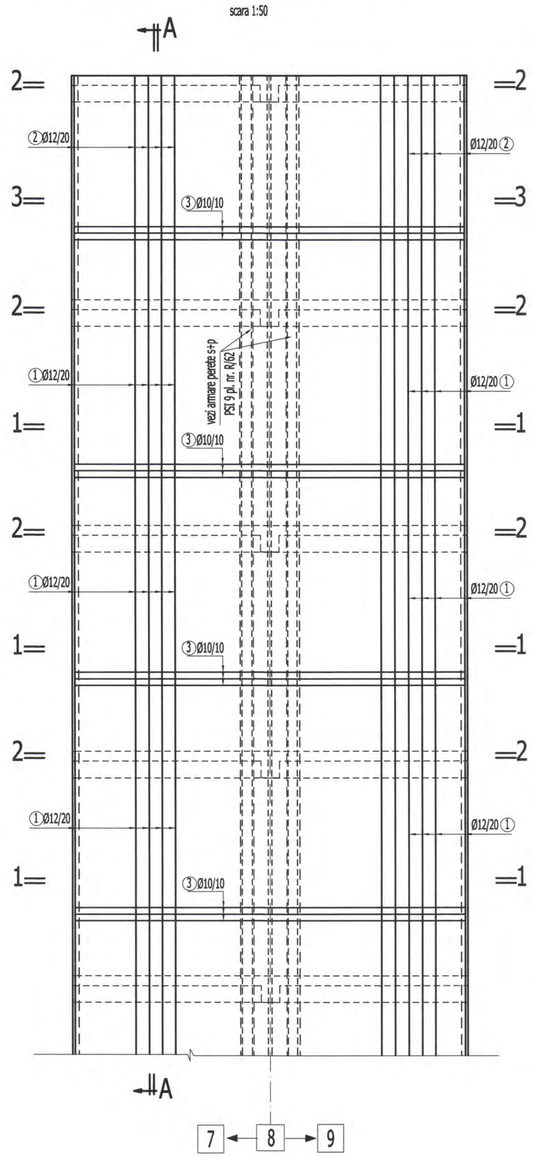

## SECTIUNE 2 - 2

scara 1:50



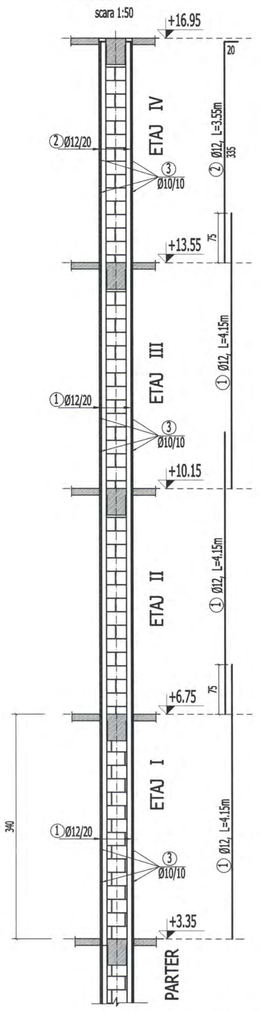

## ELEVATIE PERETE PSI 11 AX D /7 - 9 - ARMARE

scara 1:50



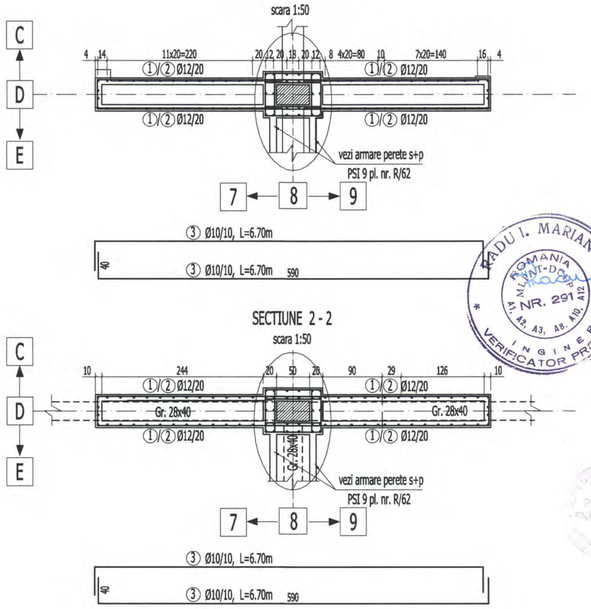

## SECTIUNE A - A

scara 1:50




## SECTIUNE 1 - 1 / 3 - 3

scara 1:50




## SECTIUNE 2 - 2

scara 1:50




| R/66 - ELEVATIE SI SECTIUNI PERETE STRUCTURAL PSI 11 AX D/7 - 9 / PLAN ARMARE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | |
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 12 | 174 | 4.15 | | | | 722.10 | | | |
| 2 | 12 | 58 | 3.55 | | | | 205.90 | | | |
| 3 | 10 | 272 | 6.70 | | | 1822.40 | | | | |
| Lungimi /ø m | | | | 0.00 | 0.00 | 1822.40 | 928.00 | 0.00 | 0.00 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 0.00 | 1124.42 | 823.89 | 0.00 | 0.00 | 0.00 |
| TOTAL kg | | | | 1949.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/65 - Elevatie si sectiuni perete structural PSI 11. Subsol si parter. Plan cofraj si armare

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. 140/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A ELEVATIE SI SECTIUNI PERETI STRUCTURALI PSI 11 AX D / 7 - 9 - PLAN COFRAJ SI ARMARE - | Plansa: R/66 |
| DESENAT | ing. A. Pruna | | | | |

Stalp SB3 - 42x50 - cofraj
scara 1:50

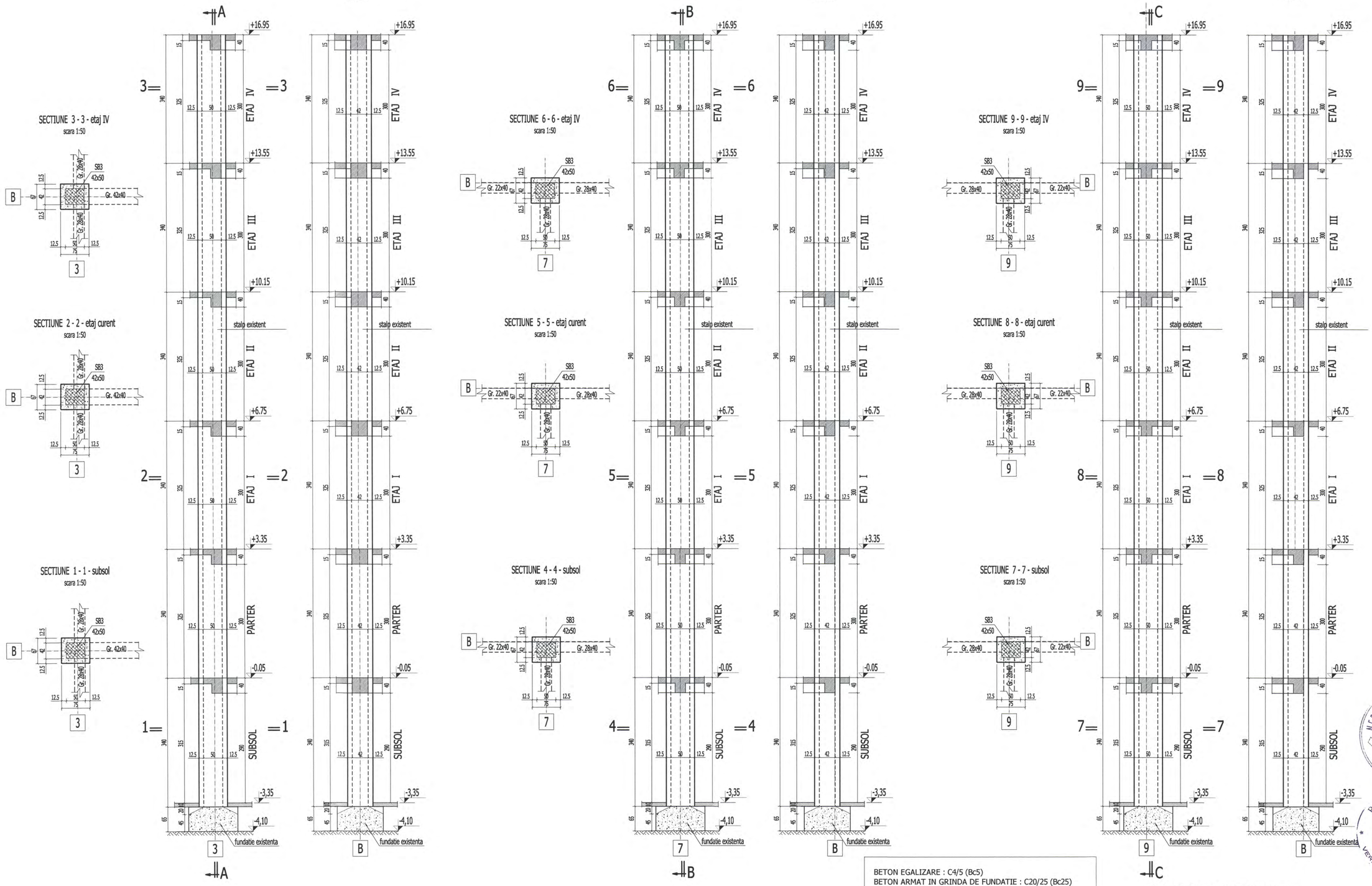
Stalp SB3 - 42x50
Sectiunea A - A
scara 1:50

Stalp SB7 - 42x50 - cofraj
scara 1:50

Stalp SB7 - 42x50
Sectiunea B - B
scara 1:50

Stalp SB9 - 42x50 - cofraj
scara 1:50

Stalp SB9 - 42x50
Sectiunea C - C
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/68 - Plan armare stalpi SB3, SB7, SB9

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

SCARA 1:50

DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Faza: P.T.+ D.E.

Corp A

STALPI SB3, SB7 SI SB9 - PLAN COFRAJ -

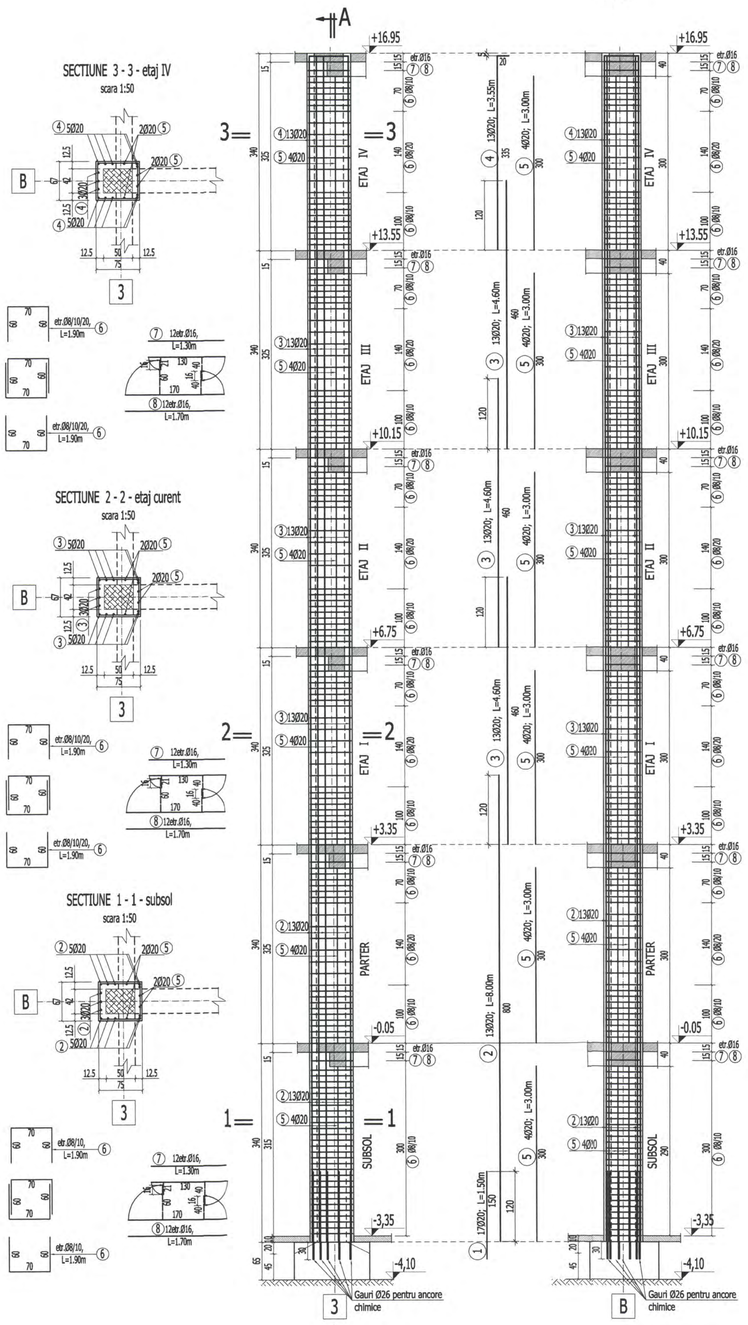
Plansa: R/67

NEFIAN H. HARUTIUN
ROMANIA
M.D.A.T.-D.C.L.P.
NR. 95
A1-A2
INGINER EXPERT TEHNIC

RADU I. MARIAN
ROMANIA
M.D.A.T.-D.C.L.P.
NR. 2914
A1, A2, A3, A5, A10
INGINER VERIFICATOR PROIECTE

Stalp SB3 - 42x50 - armare
scara 1:50

Stalp SB3 - 42x50
Sectiunea A - A
scara 1:50




SECTIUNE 3 - 3 - etaj IV
scara 1:50




SECTIUNE 2 - 2 - etaj curent
scara 1:50

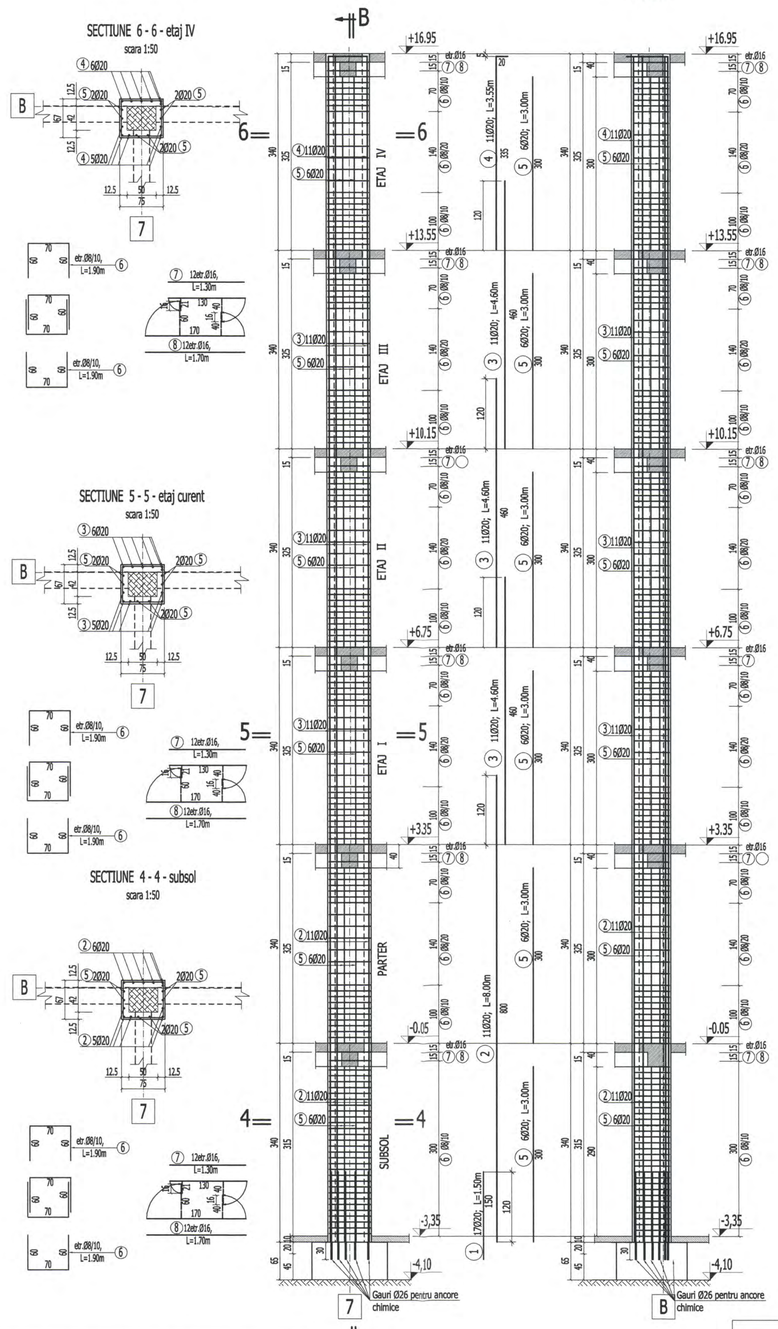



SECTIUNE 1 - 1 - subsol
scara 1:50




Stalp SB7 - 42x50 - armare
scara 1:50

Stalp SB7 - 42x50
Sectiunea B - B
scara 1:50




SECTIUNE 6 - 6 - etaj IV
scara 1:50




SECTIUNE 5 - 5 - etaj curent
scara 1:50

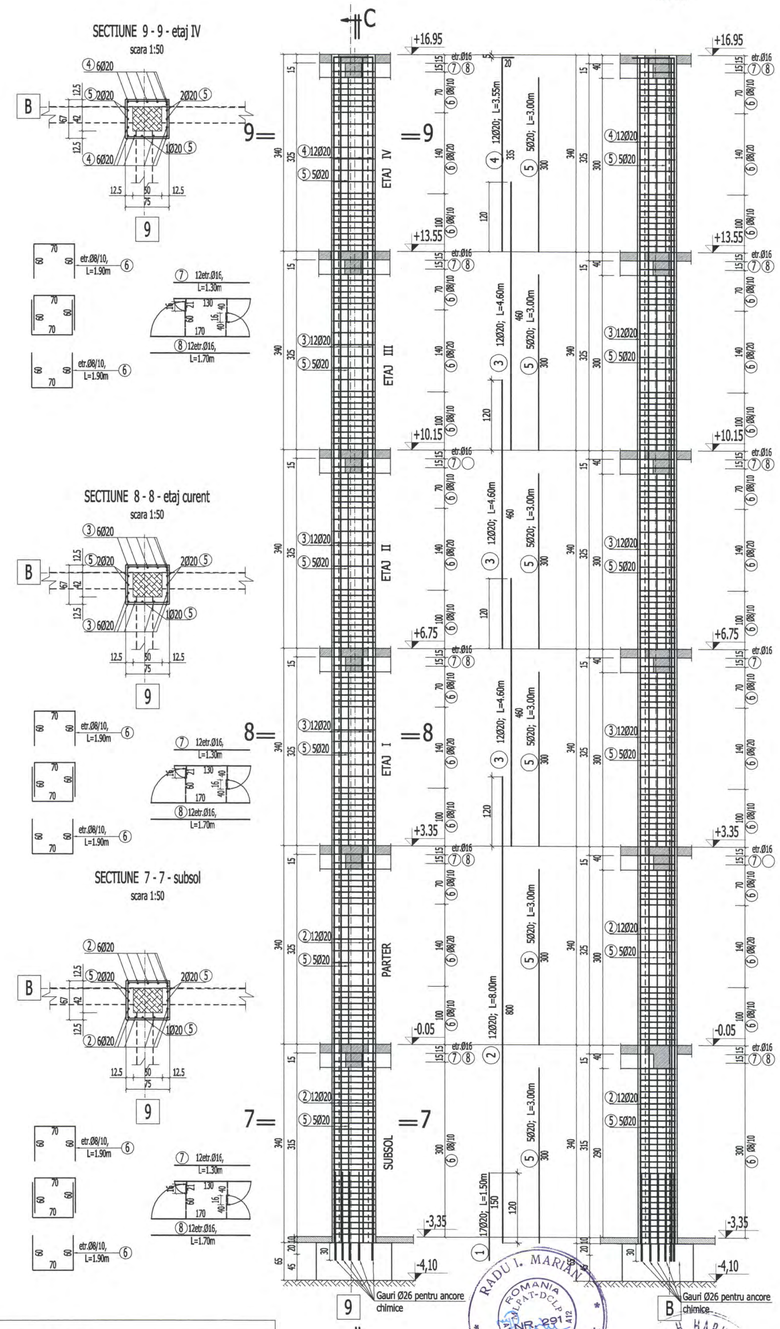



SECTIUNE 4 - 4 - subsol
scara 1:50




Stalp SB9 - 42x50 - armare
scara 1:50

Stalp SB9 - 42x50
Sectiunea C - C
scara 1:50




SECTIUNE 9 - 9 - etaj IV
scara 1:50




SECTIUNE 8 - 8 - etaj curent
scara 1:50




SECTIUNE 7 - 7 - subsol
scara 1:50




**R/68 - ELEVATIE SI SECTIUNI STALPI SB3, SB7, SB9 / PLAN ARMARE**

| Marca | Φ | Buc. | Lung. | OB37 | | PC52 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Φ 6 | Φ 8 | Φ 10 | Φ 12 | Φ 16 | Φ 20 | Φ 25 |
| 1 | 20 | 51 | 1.50 | | | | | | 76.50 | |
| 2 | 20 | 36 | 8.00 | | | | | | 288.00 | |
| 3 | 20 | 108 | 4.60 | | | | | | 496.80 | |
| 4 | 20 | 36 | 3.55 | | | | | | 127.80 | |
| 5 | 20 | 90 | 3.00 | | | | | | 270.00 | |
| 6 | 8 | 900 | 1.90 | | 1710.00 | | | | | |
| 7 | 16 | 36 | 1.30 | | | | | 46.80 | | |
| 8 | 16 | 36 | 1.70 | | | | | 61.20 | | |
| | | | | | | | | | | |
| Lungimi /ø m | | | | 0.00 | 1710.00 | 0.00 | 0.00 | 108.00 | 1259.10 | 0.00 |
| Masa totala / ml m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 675.45 | 0.00 | 0.00 | 170.46 | 3104.94 | 0.00 |
| TOTAL kg | | | | 3951.00 | | | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/67 - Plan cofraj stalpi SB3, SB7, SB9

RADU I. MARIAN ROMANIA MEMBRU CSTAT-DECLARAT NR. 291 AS, A3, A8, INGINER VERIFICATOR PROIECTE

N. H. HARUTIUN ROMANIA MEMBRU CSTAT-DECLARAT NR. 95 A1-A2 INGINER EXPERT TEHNIC

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

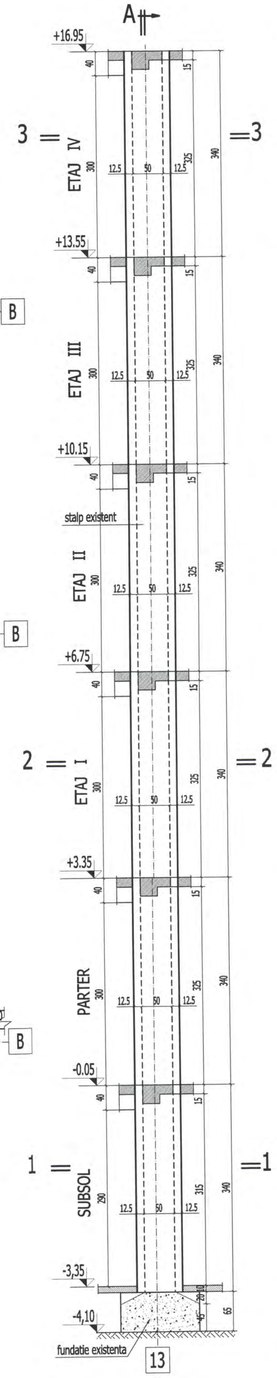
PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004
BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI
Proiect: MB 8642 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | ing. N. Stamate | |
| PROIECTAT | ing. M. Costache | |
| DESENAT | ing. A. Pruna | |

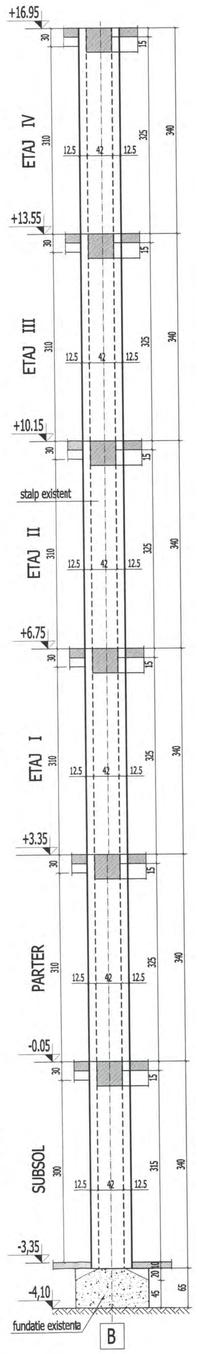
SCARA 1:50
DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI
Faza: P.T.+ D.E.
Corp A
STALPI SB3, SB7 SI SB9 - PLAN ARMARE -
Plansa: R/68

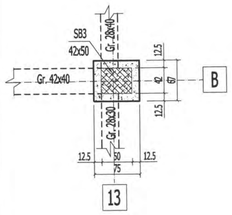
Stalp SB13 - 42x50 - cofraj
scara 1:50



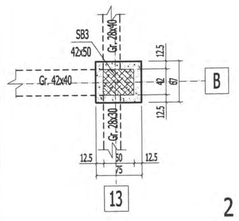

Stalp SB13 - 42x50
Sectiunea A - A
scara 1:50



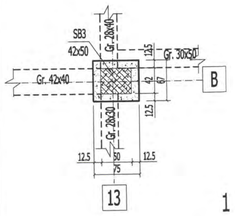

SECTIUNE 3 - 3 - etaj IV
scara 1:50



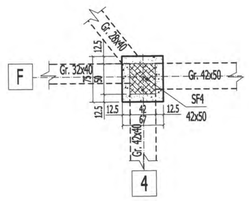

SECTIUNE 2 - 2 - etaj curent
scara 1:50



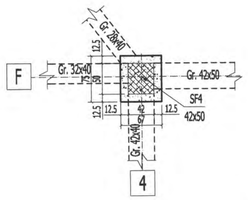

SECTIUNE 1 - 1 - subsol
scara 1:50



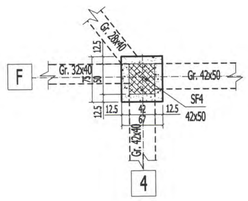

SECTIUNE 6 - 6 - etaj IV
scara 1:50



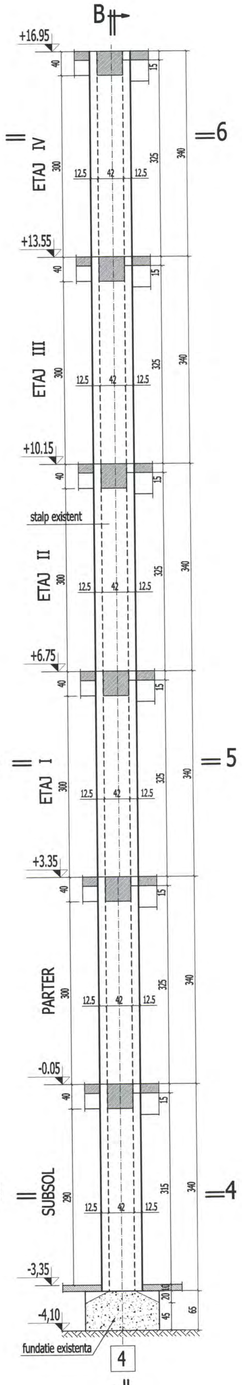

SECTIUNE 5 - 5 - etaj curent
scara 1:50



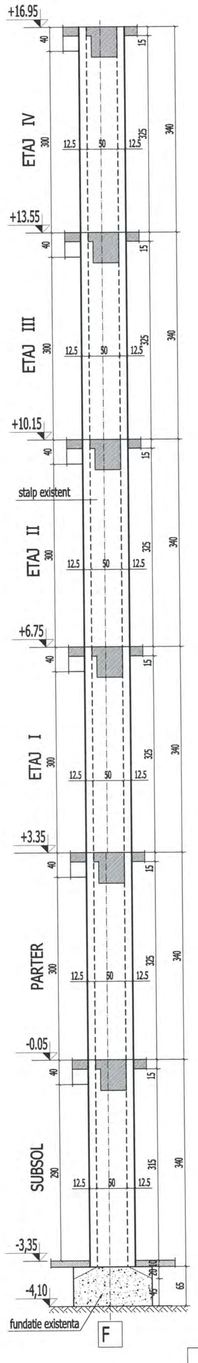

SECTIUNE 4 - 4 - subsol
scara 1:50



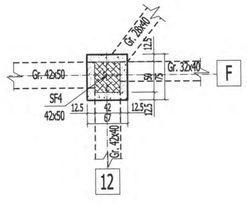

Stalp SF4 - 42x50 - cofraj
scara 1:50



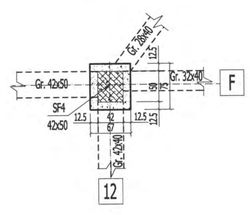

Stalp SF4 - 42x50
Sectiunea B - B
scara 1:50



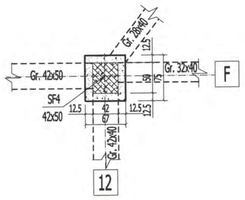

SECTIUNE 9 - 9 - etaj IV
scara 1:50



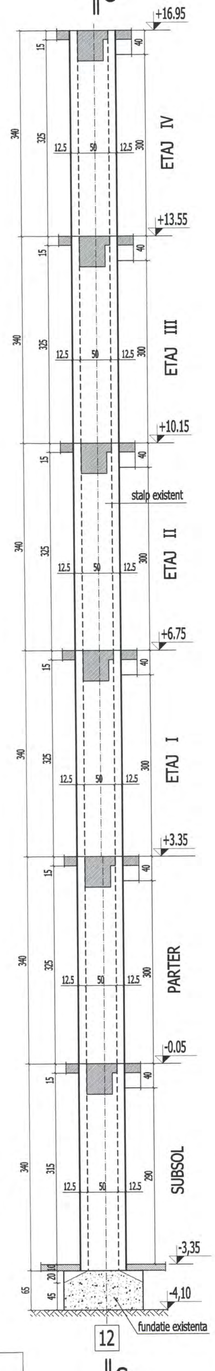

SECTIUNE 8 - 8 - etaj curent
scara 1:50



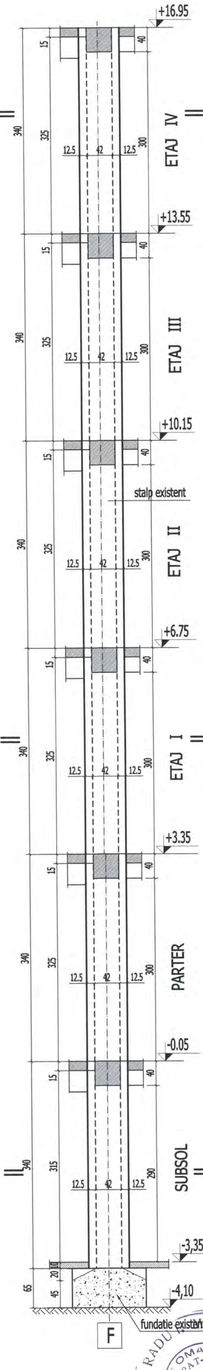

SECTIUNE 7 - 7 - subsol
scara 1:50




Stalp SF12 - 42x50 - cofraj
scara 1:50




Stalp SF12 - 42x50
Sectiunea C - C
scara 1:50




BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/70 - Plan armare stalpi SB13, SF4, SF12

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |

PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004

BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI

Proiect: MB 8542 / 2010

| SPECIFICATIE | NUME | SEMNATURA |
|---|---|---|
| SEF PROIECT | Ing. N. Stamate | |
| PROIECTAT | Ing. M. Costache | |
| DESENAT | Ing. A. Pruna | |

SCARA 1:50
DATA: 2011

PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI

Faza: P.T.+ D.E.

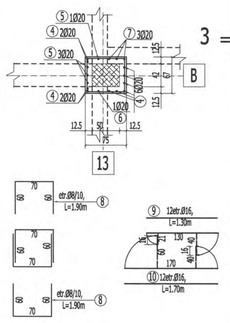
Corp A — STALPI SB13, SF4 SI SF12 - PLAN COFRAJ -

Plansa: R/69

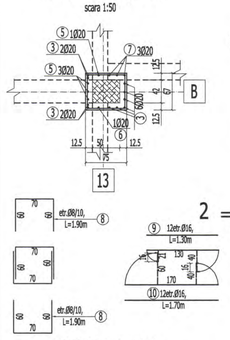
Stalp SB13 - 42x50 - armare
scara 1:50

Stalp SB13 - 42x50
Sectiunea A - A
scara 1:50

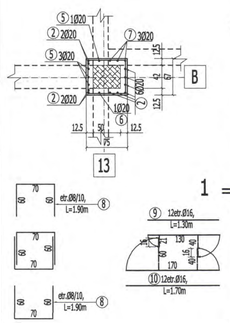
SECTIUNE 3 - 3 - etaj IV
scara 1:50

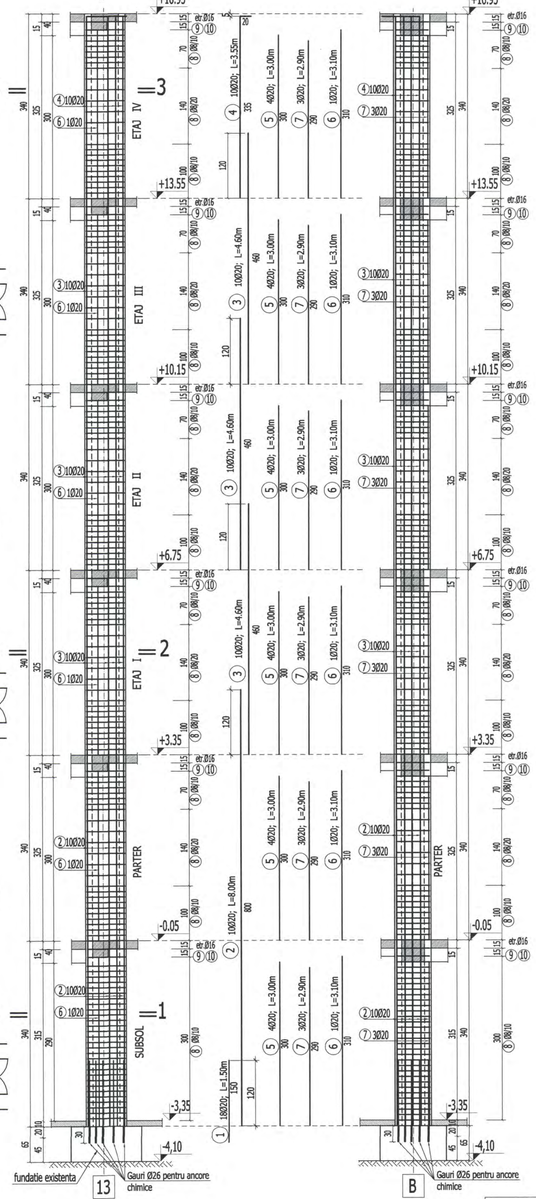


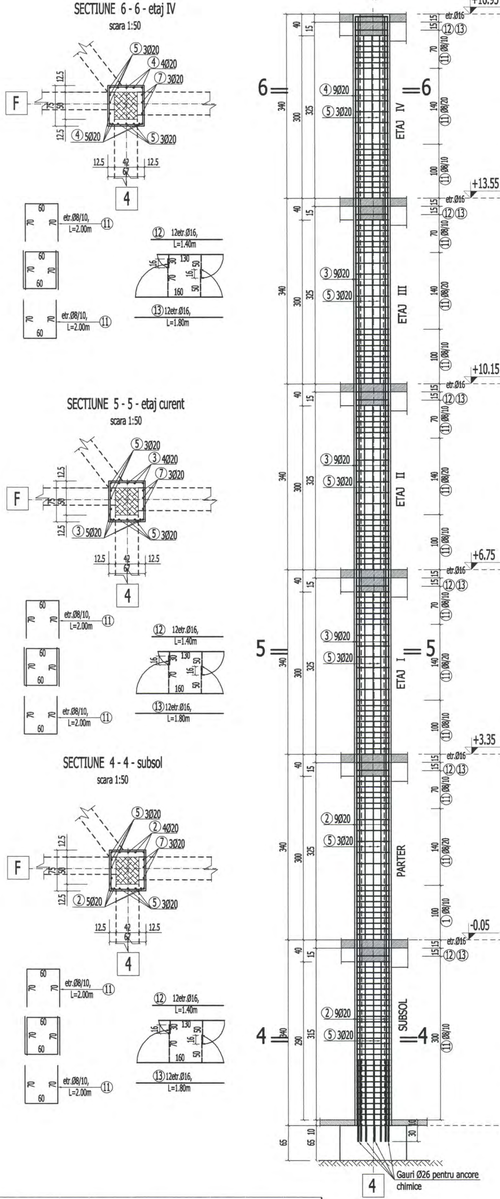

SECTIUNE 2 - 2 - etaj curent
scara 1:50




SECTIUNE 1 - 1 - subsol
scara 1:50




SECTIUNE 6 - 6 - etaj IV
scara 1:50




SECTIUNE 5 - 5 - etaj curent
scara 1:50

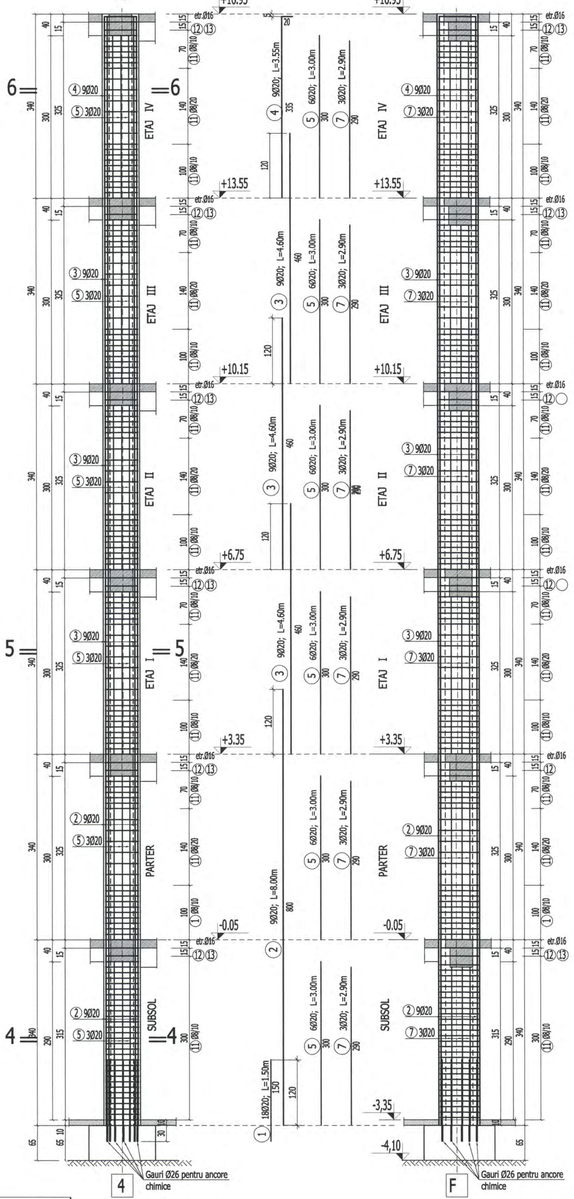


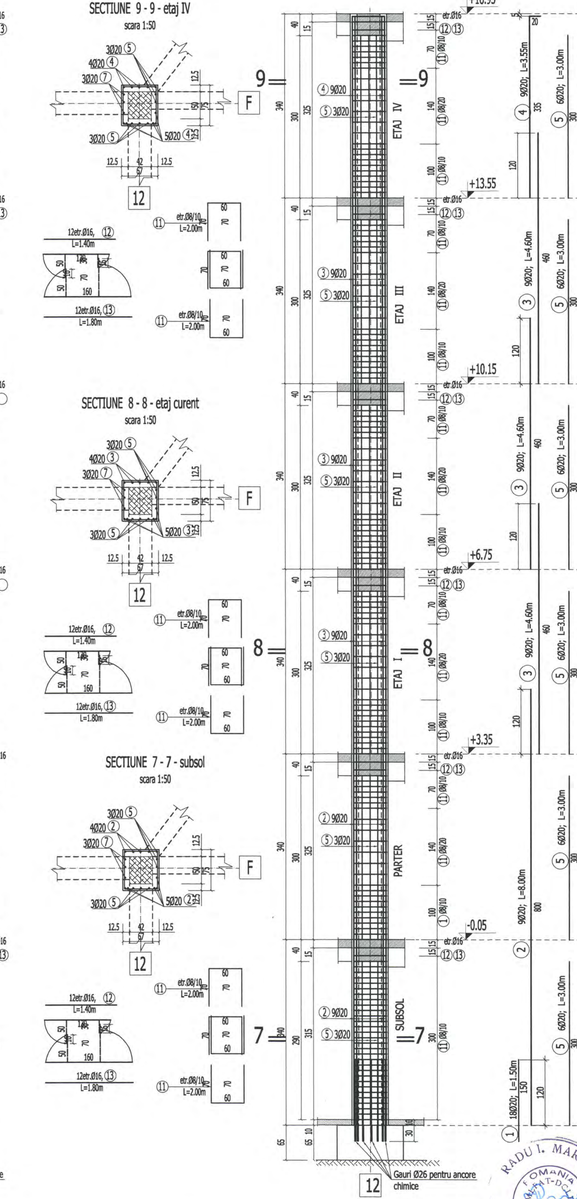

SECTIUNE 4 - 4 - subsol
scara 1:50




Stalp SF4 - 42x50 - armare
scara 1:50

Stalp SF4 - 42x50
Sectiunea B - B
scara 1:50




Stalp SF12 - 42x50 - armare
scara 1:50

Stalp SF12 - 42x50
Sectiunea C - C
scara 1:50

SECTIUNE 9 - 9 - etaj IV
scara 1:50




SECTIUNE 8 - 8 - etaj curent
scara 1:50




SECTIUNE 7 - 7 - subsol
scara 1:50







R/70 - ELEVATIE SI SECTIUNI STALPI SB3, SB7, SB9 / PLAN ARMARE

| Marca | Φ | Buc. | Lung. | OB37 Φ 6 | OB37 Φ 8 | PC52 Φ 10 | PC52 Φ 12 | PC52 Φ 16 | PC52 Φ 20 | PC52 Φ 25 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 20 | 54 | 1.50 | | | | | | 81.00 | |
| 2 | 20 | 28 | 8.00 | | | | | | 224.00 | |
| 3 | 20 | 84 | 4.60 | | | | | | 386.40 | |
| 4 | 20 | 28 | 3.55 | | | | | | 99.40 | |
| 5 | 20 | 96 | 3.00 | | | | | | 288.00 | |
| 6 | 20 | 6 | 3.10 | | | | | | 18.60 | |
| 7 | 20 | 54 | 2.90 | | | | | | 156.60 | |
| 8 | 8 | 300 | 1.90 | | 570.00 | | | | | |
| 9 | 16 | 12 | 1.30 | | | | | 15.60 | | |
| 10 | 16 | 12 | 1.70 | | | | | 20.40 | | |
| 11 | 8 | 600 | 2.00 | | 1200.00 | | | | | |
| 12 | 16 | 24 | 1.40 | | | | | 33.60 | | |
| 13 | 16 | 24 | 1.80 | | | | | 43.20 | | |
| Lungimi /ø m | | | | 0.00 | 1770.00 | 0.00 | 0.00 | 112.80 | 1254.00 | 0.00 |
| Masa totala / m l m | | | | 0.222 | 0.395 | 0.617 | 0.888 | 1.578 | 2.466 | 3.853 |
| Masa totala /ø m | | | | 0.00 | 699.15 | 0.00 | 0.00 | 178.04 | 3092.36 | 0.00 |
| TOTAL kg | | | | | | 3970.00 | | | | |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda.

Acest plan se va citi impreuna cu planurile:
- R/13 - Plan cofraj fundatii si sectiuni
- R/69 - Plan cofraj stalpi SB12, SF4, SF12

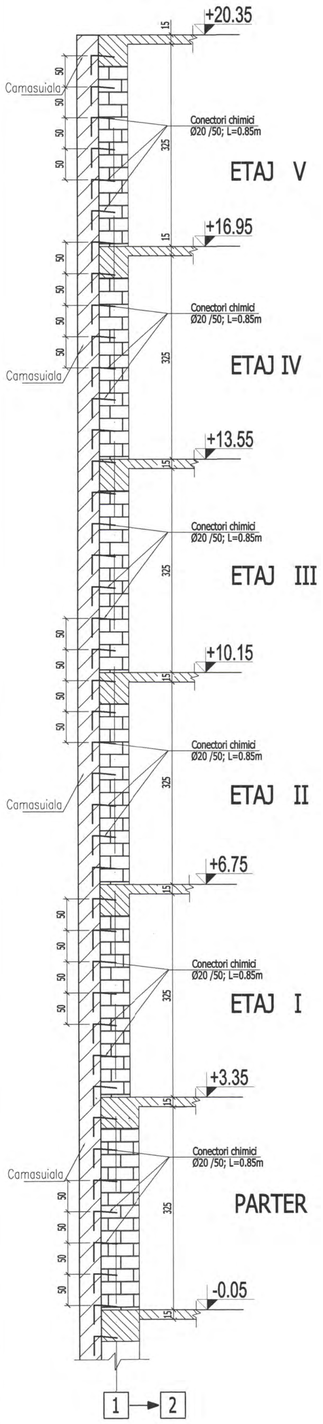
RADU I. MARIAN ROMANIA CERT. DE ATESTARE A1 NR. 291 A2, A3, A4, A5 INGINER DE SPECIALITATE

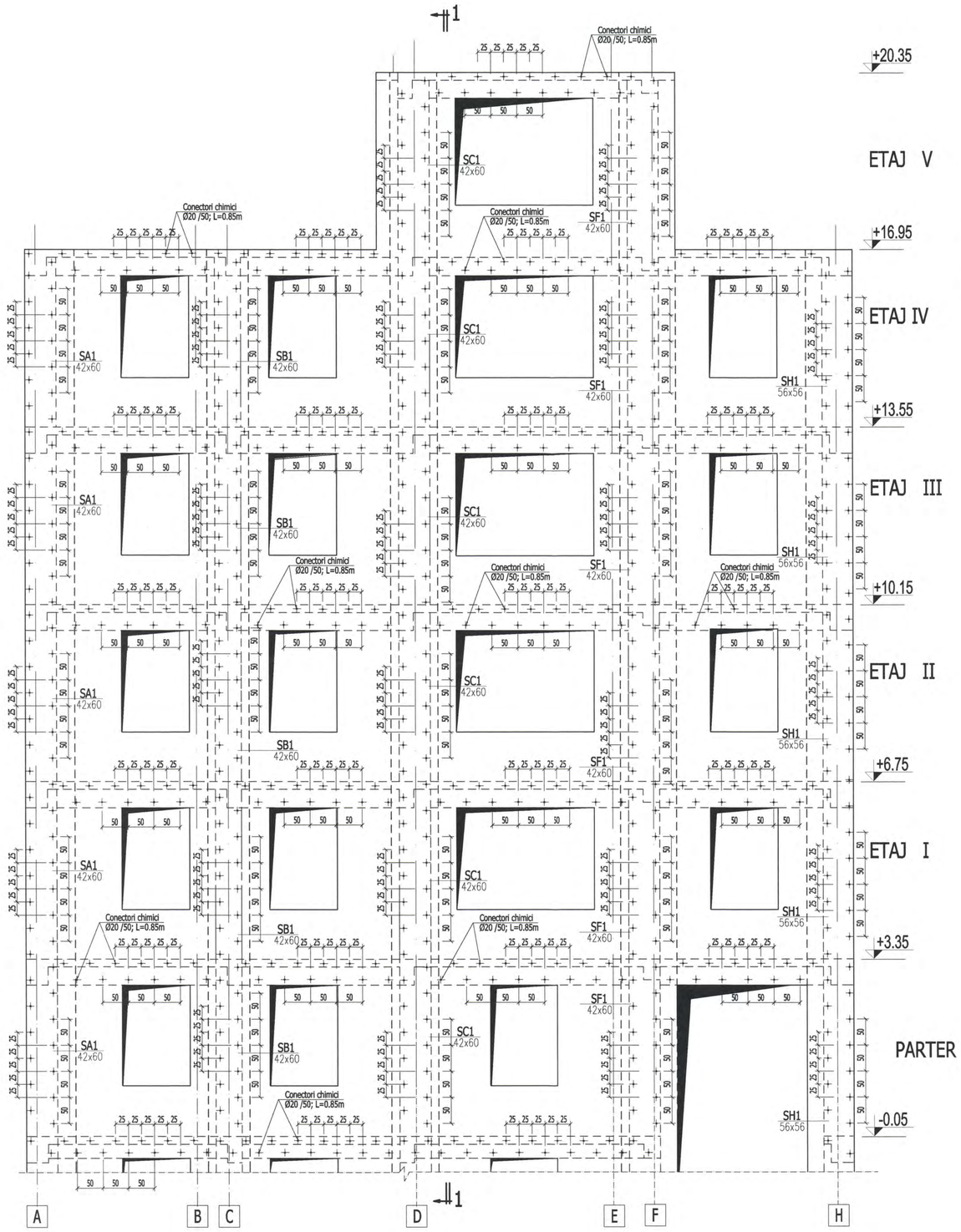
ARHITECT H. KARUTIUM ROMANIA NR. 95 A1 - A2

| | | | | | |
|---|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 384 / 02. 2011 | |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA | |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A STALPI SB13, SF4 SI SF12 - PLAN ARMARE - | Plansa: R/70 |
| DESENAT | ing. A. Pruna | | | | |

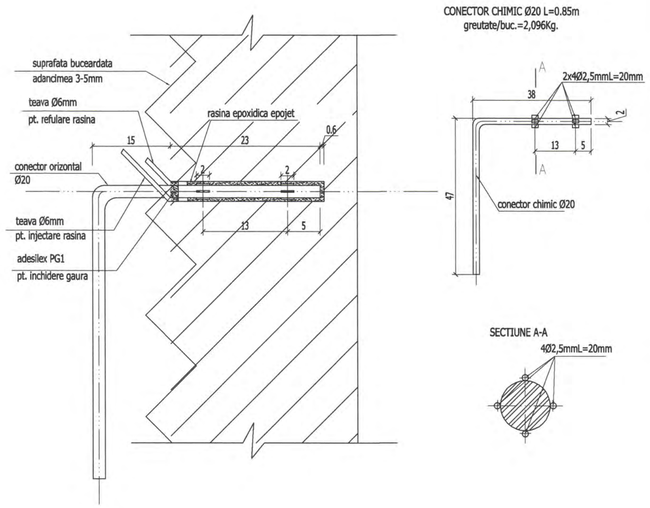
## SECTIUNE 1 - 1

scara 1:50




## DETALIU CONECTOR CHIMIC




| | |
|---|---|
| OTEL BETON | |
| ELECTROZI | PC52 |
| | EL 50 (E 50.22.13) |
| CONECTORI CHIMICI PSC 3 - 680 buc. x 2,096Kg./buc. = | 1426,00Kg. |

BETON EGALIZARE : C4/5 (Bc5)
BETON ARMAT IN GRINDA DE FUNDATIE : C20/25 (Bc25)
BETON IN PERETI ( PSC SI PSI ) : C25/30 (Bc30)
ARMATURA : OB37, Pc52

1. Acoperirea cu beton si suprapunerea barelor pentru innadire in conformitate cu STAS 10107/0-90.
2. Barele se vor fasona numai dupa verificarea in teren a dimensiunilorefective ale peretilor, stalpilor si grinzilor existente.
3. Cotele etrierilor sunt date la interior.
4. Barele de armatura se vor innadi cu sudura prin petrecere pe o lungime de 20d. Se vor innadi maxim 2 bare intr-o sectiune.
5. Pregatirea suprafetei betonului existent se va face prin buciardare cu ciocan cap buciarda. Dupa buciardare se va uda din abundenta betonul existent.

Acest plan se va citi impreuna cu planurile:
- R/23 - Elevatie si sectiuni perete structural PSC 3. Subsol si parter. Plan cofraj
- R/25 - Elevatie si sectiuni perete structural PSC 3. Plan cofraj

RADU I. MARIAN ROMANIA NR. 291 42, A3, A5, A6 INGINER VERIFICATOR PROIECTE

NEFIAN H. HARUTIUN ROMANIA NR. 35 A1, A2 INGINER EXPERT TEHNIC

| | | | | |
|---|---|---|---|---|
| VERIFICARE | Ing. M. Radu | | A1, A2 | 381/02.2011 |
| | NUME | SEMNATURA | CERINTA | REFERAT NR./ DATA |
| PROIECTANT DE SPECIALITATE: S.C.PROCEMA Engineering S.R.L. J40/7772/2004 | | | BENEFICIAR: PRIMARIA MUNICIPIULUI BUCURESTI | Proiect: MB 8642 / 2010 |
| SPECIFICATIE | NUME | SEMNATURA | SCARA 1:50 | PROIECTARE LUCRARI DE CONSOLIDARE IMOBIL DE LOCUINTE DIN Bdul. M. KOGALNICEANU, NR. 30, SECTOR 5, BUCURESTI | Faza: P.T.+ D.E. |
| SEF PROIECT | ing. N. Stamate | | | | |
| PROIECTAT | ing. M. Costache | | DATA: 2011 | Corp A PREGATIREA PERETELUI STRUCTURAL PSC 3 AX 1 / A-H PENTRU CONSOLIDARE | Plansa: R/71 |
| DESENAT | ing. A. Pruna | | | | |