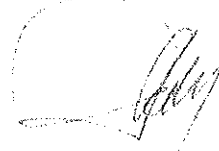


RAPORT DE INSPECTIE

Nr : 426 Data : 31.08.2015



1. INSTALATIA : DAV3, HB, RC - VI

2. ECHIPAMENT : PG - 01 - 800

3. PARAMETRI :

Parametrii conform proiect / livret utilaj	Parametrii conform proiect / livret utilaj
P = 1.8 bar ;	Fluid = gaze facla
T = 120 °C ;	Material OL 37.2K

4. DEFECTIUNI CONSTATATE :

4.1. Conducta de facla joasa presiune de la DAV3, HB, RC la vas facla V1 este montata din 1978 de catre TMUCB Bucuresti. Conducta a fost reparata partial in anul 2006 cand s-au inlocuit tronsoane de conducta intre RGF si vasul de facla V1. S-au efectuat masuratori de grosimi in 2004 constatandu-se masuratori de grosimi in partea inferioara a conductei. In timpul reparatiilor s-au constatat depuneri de reziduri din gaze pe o inaltime de 300mm (exemplu foto 1- facla MP 2015). S-au efectuat reparatii la compensatorii de dilatare, in zonele inlocuite compensatorii s-au rasucit cu 180°. Defectarile cele mai frecvente au loc la compensatorii lenticulari, la sudura dintre elementul lenticular (W1.4541) si virola (OL37.2K tabla sudata elicoidal din otel carbon). Ultima masuratoare de grosimi s-a efectuat in 2011 pe toata lungimea conductei.

La data prezentului raport tehnic starea tehnica a conductei este urmatoarea:

Compensatorul lenticular unghiular Nr.1 este in stare de functionare buna. (foto1)
Compensatorul lenticular unghiular Nr.2 este in stare de functionare buna. (foto2)
Compensatorul lenticular unghiular Nr.3 este in stare de functionare buna. (foto3)
Compensatorul lenticular unghiular Nr.4 este in stare de functionare buna. (foto4)
Compensatorul lenticular unghiular Nr.5 este in stare de functionare buna. (foto5)
Compensatorul lenticular unghiular Nr.6 este in stare de functionare buna. (foto6)
Compensatorul lenticular unghiular Nr.7 cu seria 1444 montat in 2013 este in stare de functionare buna. (foto7).
Compensatorul lenticular unghiular Nr.8 este in stare de functionare buna. (foto8)
Compensatorul lenticular unghiular Nr.9 este in stare de functionare buna. (foto9)
Compensatorul lenticular unghiular Nr.10 este in stare de functionare buna. (foto10)
Compensatorul lenticular unghiular Nr.11 este in stare de functionare buna. (foto11)
Compensatorul lenticular unghiular Nr.12 a prezentat neetanseitate intre lentila si virola de capat. Acestuia, la revezia din 2017, ii trebuie curatat cordonul de sudura, controlat cu LP si remediate fisurile in functie de rezultatul controlului. Dupa reparatie se va controla cu LP sudura. (foto12)
Compensatorul lenticular unghiular Nr.13 a prezentat neetanseitate intre lentila si virola de capat conform RI 229/06.05.2015, stalp 18. Acestuia, la revezia din 2017, ii trebuie curatat cordonul de sudura, controlat cu LP si remediate fisurile in functie de rezultatul controlului. Dupa reparatie se va controla cu LP sudura. (foto13)
Compensatorul lenticular unghiular Nr.14 a prezentat neetanseitate intre lentila si virola de capat, stalp 17 - 18. Acestuia, la revezia din 2017, ii trebuie curatat cordonul de sudura, controlat cu LP si remediate fisurile in functie de rezultatul controlului. Dupa reparatie se va controla cu LP sudura. (foto14)

Facla Joasa Presiune Dn800 de la VI la III

Compensatorul lenticular unghiular Nr.1 este in stare de functionare buna. (foto15)
Compensatorul lenticular unghiular Nr.2 este in stare de functionare buna. (foto16)
Compensatorul lenticular unghiular Nr.3 este in stare de functionare buna. (foto17)

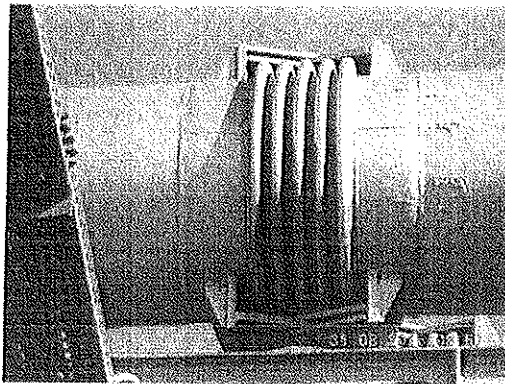


Foto 1

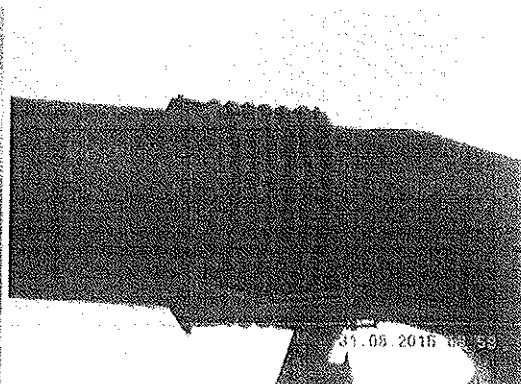


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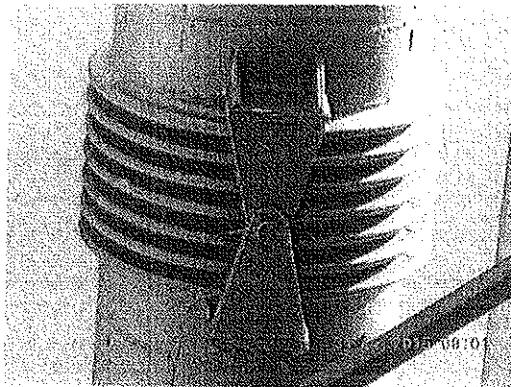


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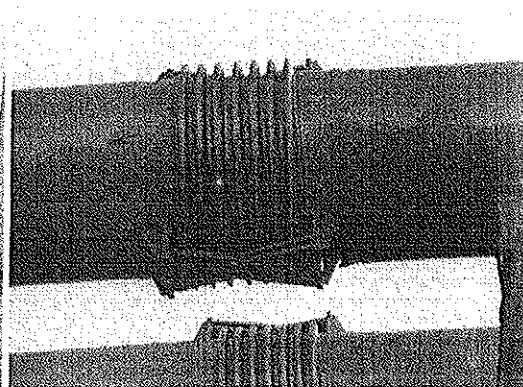


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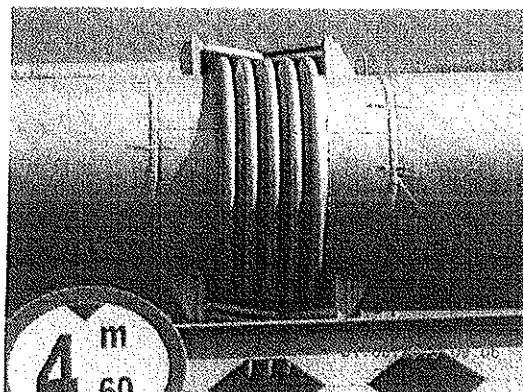


Foto 5

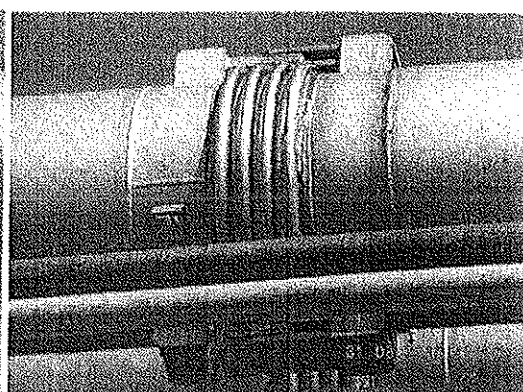


Foto 6

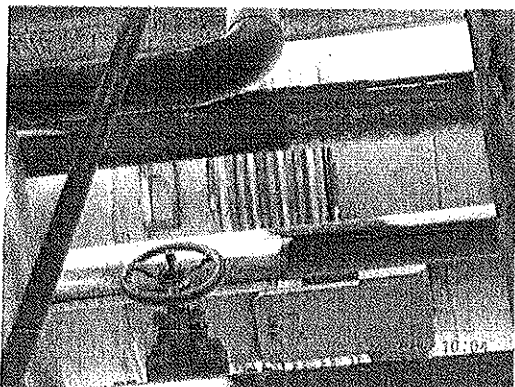


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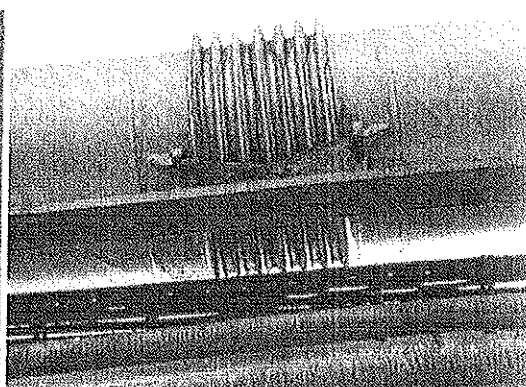


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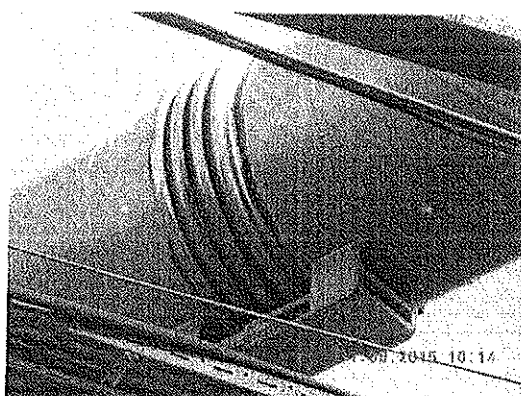


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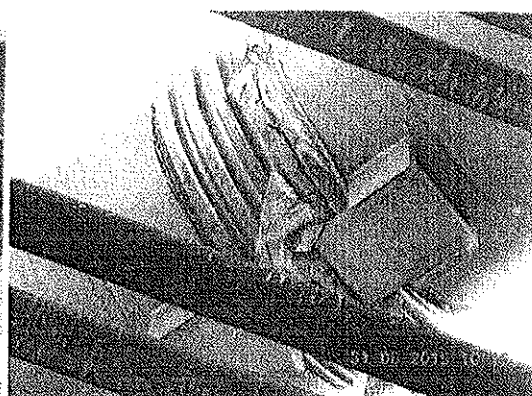


Foto 10



Foto 11

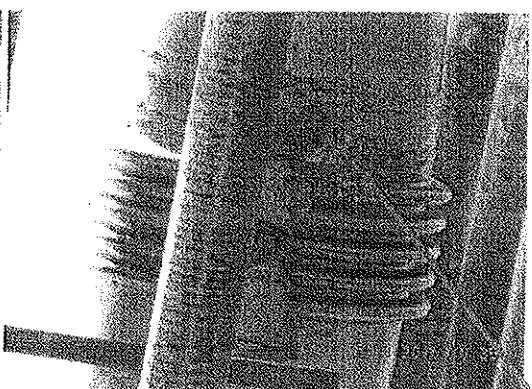


Foto 12

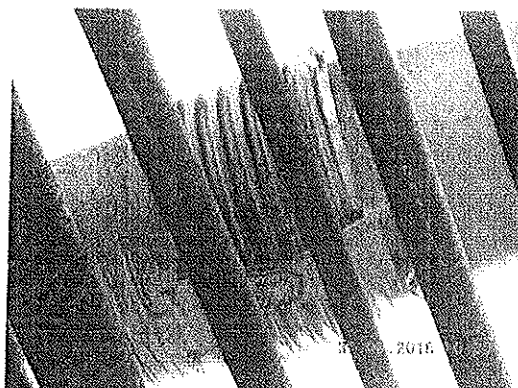


Foto 13



Foto 14

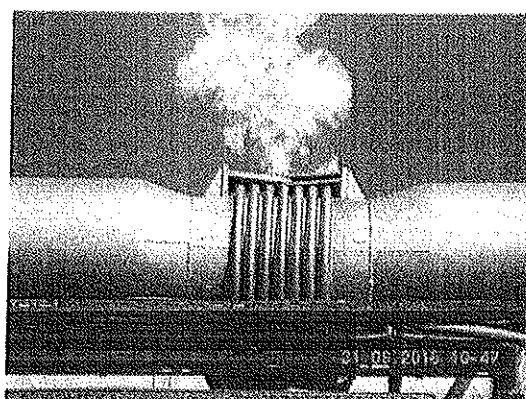


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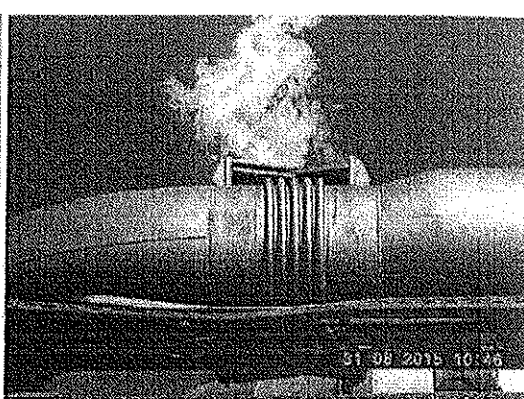


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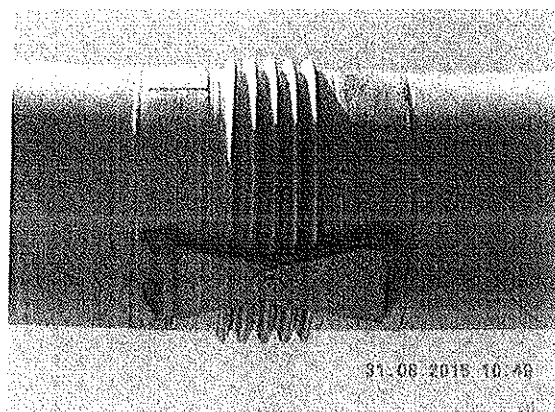


Foto 17

Lipsa suport sprijin conducta în zona stalpului 142, dr.3 (foto 1,2)

Suport sprijin conducta deplasat si ofera sprijin a conductei puțin zona de la stalpul 97 pana la stalpul 73, dr.3 (foto 3 - foto)

Suport cu saniera zona compresoare FRGC (foto 8)

Lipsa suport sprijin conducta stalp 12 - Facile (foto 9)

Lipsa suport sprijin conducta stalp 14 - facile (foto 10)

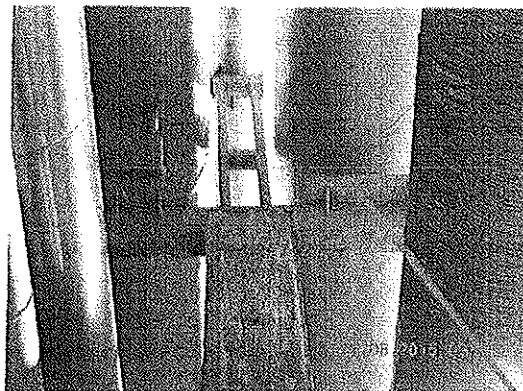


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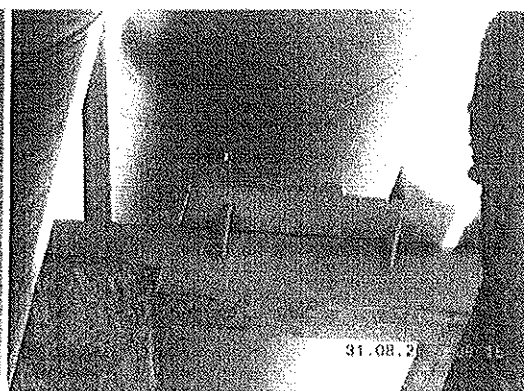


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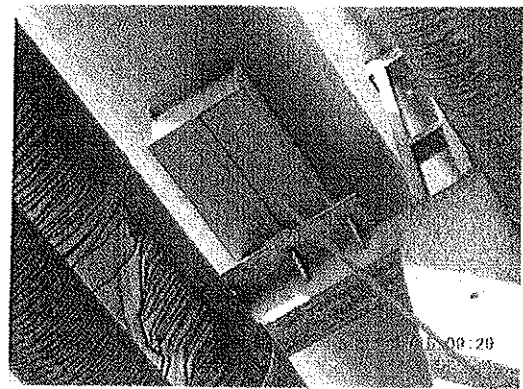


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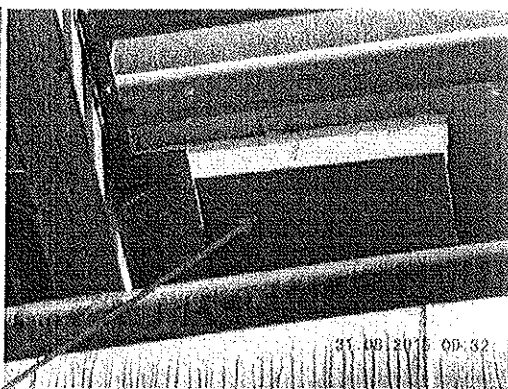


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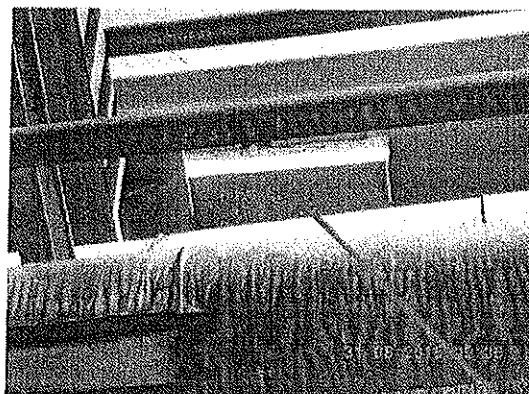


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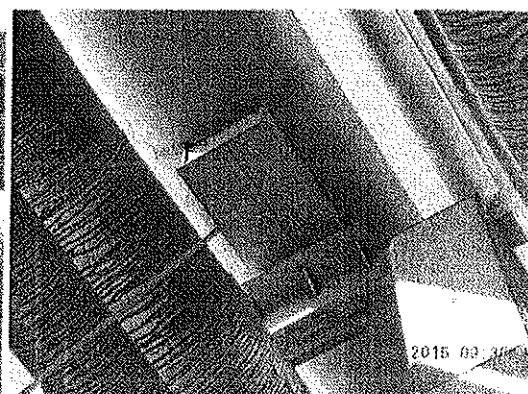


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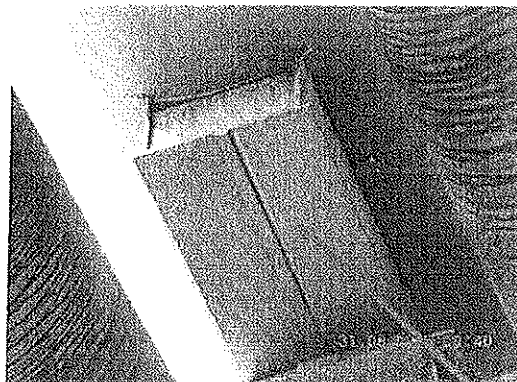


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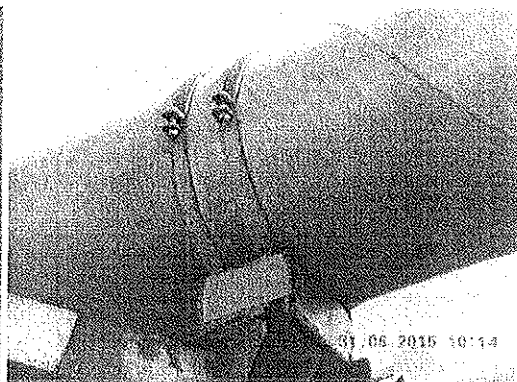


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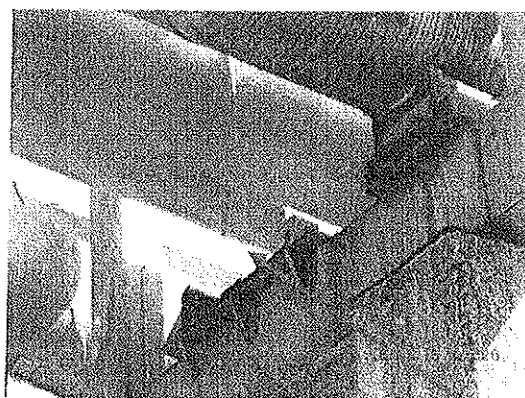


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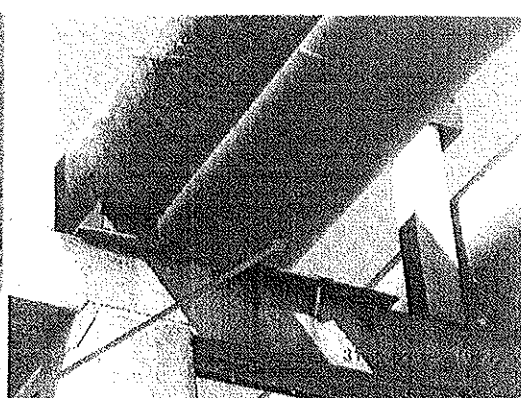


Foto 10

Supportul lateral dreapta al compensatorului Nr.4 (foto3) si al compensatorului Nr.5 (foto4,5) este stramb.
Starea de functionare in siguranta a celorlalti suporturi este buna la data prezentului raport de inspectie.

Anul punerii in functiune a instalatiei : 1978

Data ultimei reparatii : revizie 2015 (neetanseitate compensator Nr.13)

Data ultimilor masuratori de grosimi : 2011

5. CAUZE POSIBILE : socuri termice si reparatii necorespunzatoare

6. REMEDIERE DEFECTIUNI :

6.1. Instalatia va solicita o firma de proiectare in vederea reproiectarii suportului si rolei de ghidare pentru stalpul Nr.142, dr3.

6.2. Se va solicita de instalatie o firma de proiectare pentru controlarea si analizarea suportilor de la stalpul 97 pana la stalpul 73, drum3.

6.3. Se vor proiecta, executa si monta suportii si rolele de ghidare la RK 2017 de la stalpul 12, 14.

6.4. Se va monta scela la inaltimea de 12m pentru acces control si reparatie compensatori/ suportii conducta.

6.2. Se vor face ferestre in conducta si se vor controla cu lichide penetrante la interior si exterior cordoanele de sudura dintre virola de capat si elementul lenticular a compensatoarelor lenticulare Nr.12, Nr.13, Nr.14. Material element lenticular W1.4541 cu grosime de 3mm, material conducta OL37.2K cu grosime de 10mm. In caz de pori, fisuri, acestea se vor repara local. Dupa reparatie se va controla calitatea lucrarii cu lichide penetrante.

S.C. PETROTEL-LUKOIL S.A.
BIROU INSPECTIE ECHIPAMENTE - FIABILITATE

7. TERMEN DE REALIZARE : proiectare 15.02.2016
executie, montaj si reparatie suport : RK 2017
control si reparatie compensatori : RK 2017

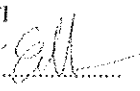
8. RECOMANDARI SUPLIMENTARE : N/A

9. DOCUMENTE ANEXATE :

9.1. Izometrie Facla Joasa Presiune Dn800

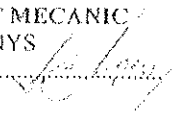
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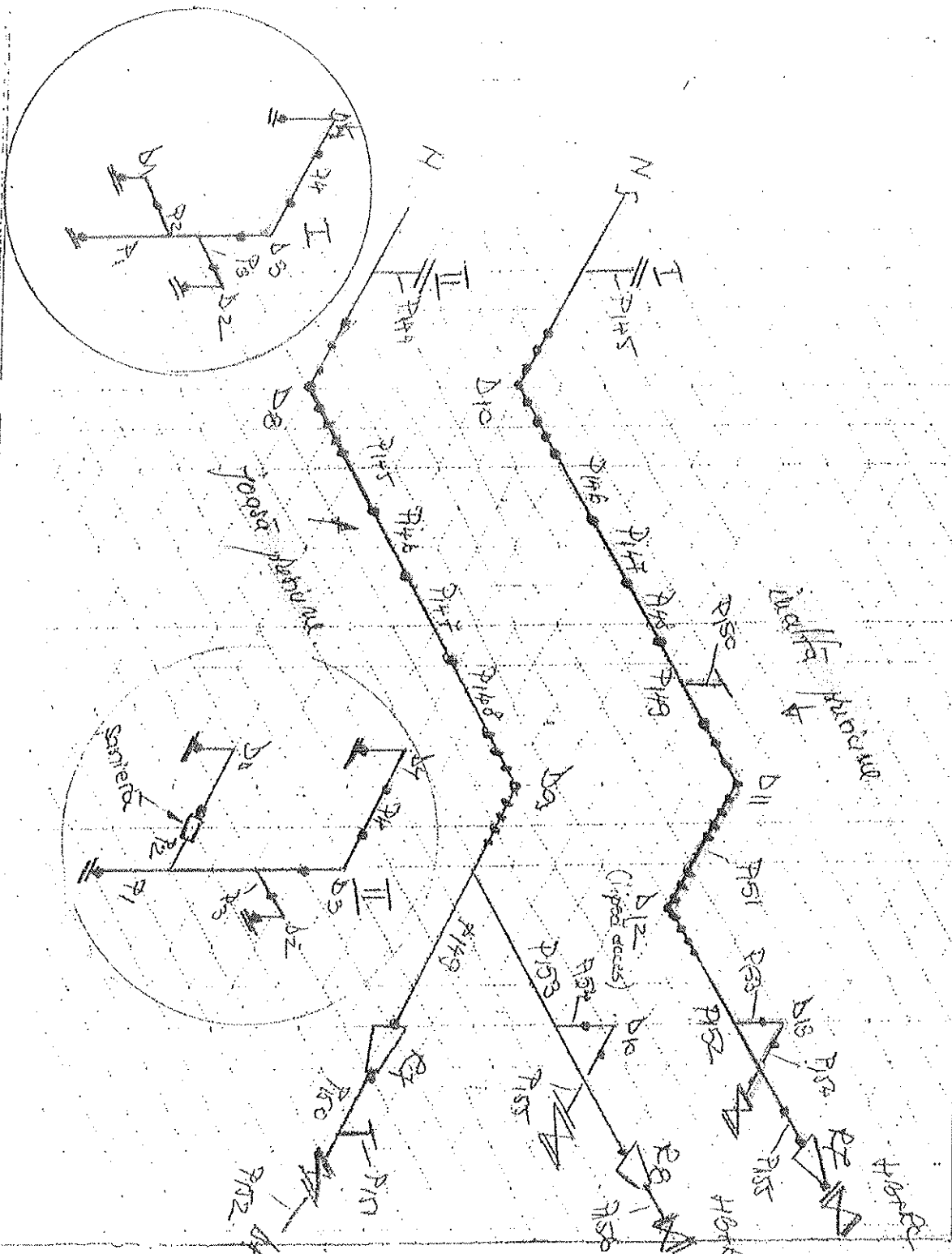
N.P. : CRISTIAN MIREL

SEMNATURA 

11. AVIZAT : ING. SEF MECANIC

N.P. : MAKUSHEV DENYS

SEMNATURA 



Simbol

Sef Laborator Nume Prenume	Nr. Autorizatie I.S.C.I.R/ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	5165/29.11.2011	2(doi)	



S.C. TECHNICAL
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Str. Mihai Bravu nr.235, Ploiesti

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Buletin de examinare US grosuri
Nr. 432 Data: 23.02.2011

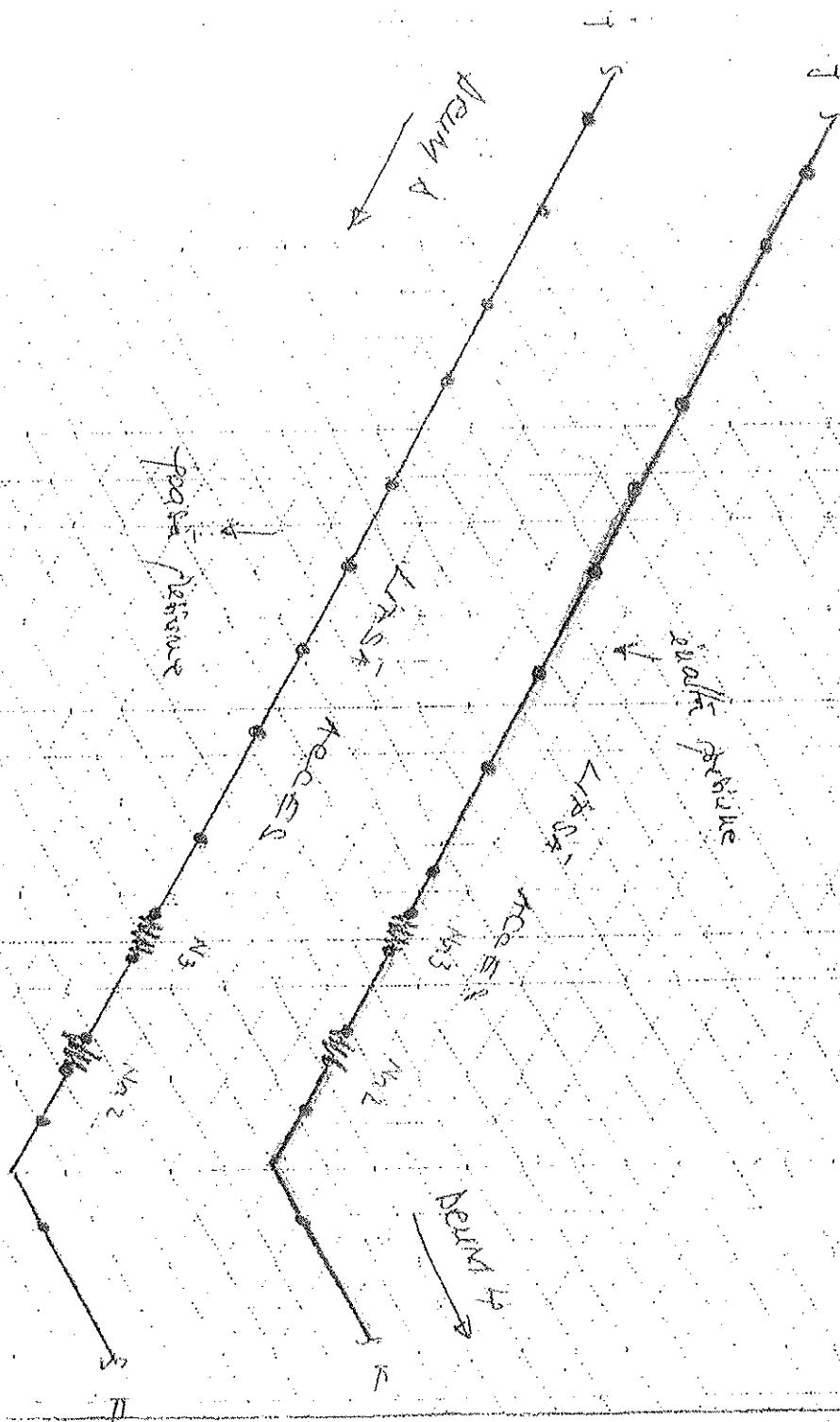
Autorizatie ISCIR No. IE 400
Expira la: 23.11.2011

Cod document:
F-008-05

Fila 12



No.20 100 72002184



Simbol

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Matache Marius	0168/29.11.2011	2(doi)	



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Buletin de examinare US grosimi
Nr. 132, Data: 20.10.2011

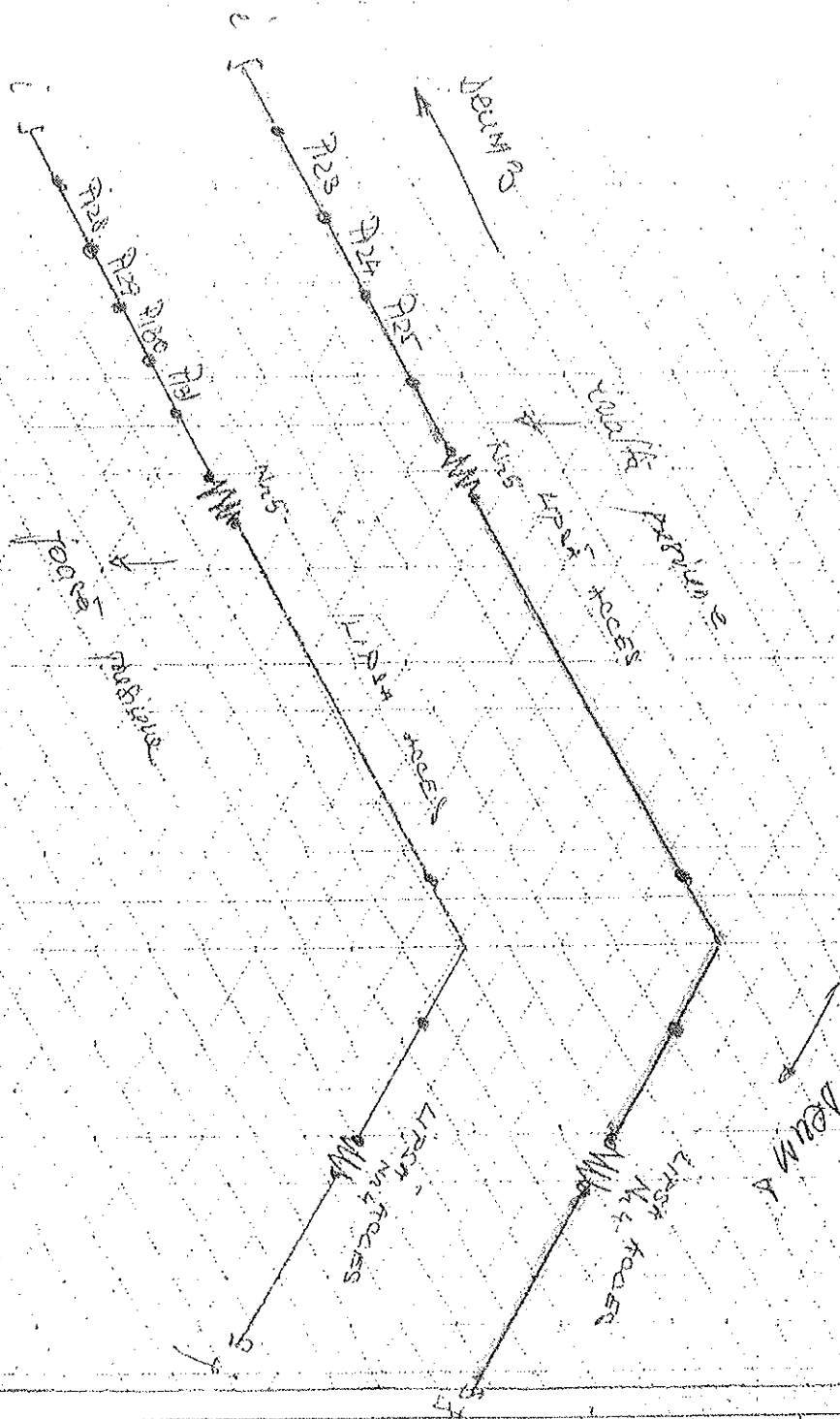
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Expira la: 23.11.2011

Cod document:
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Fila 1/1

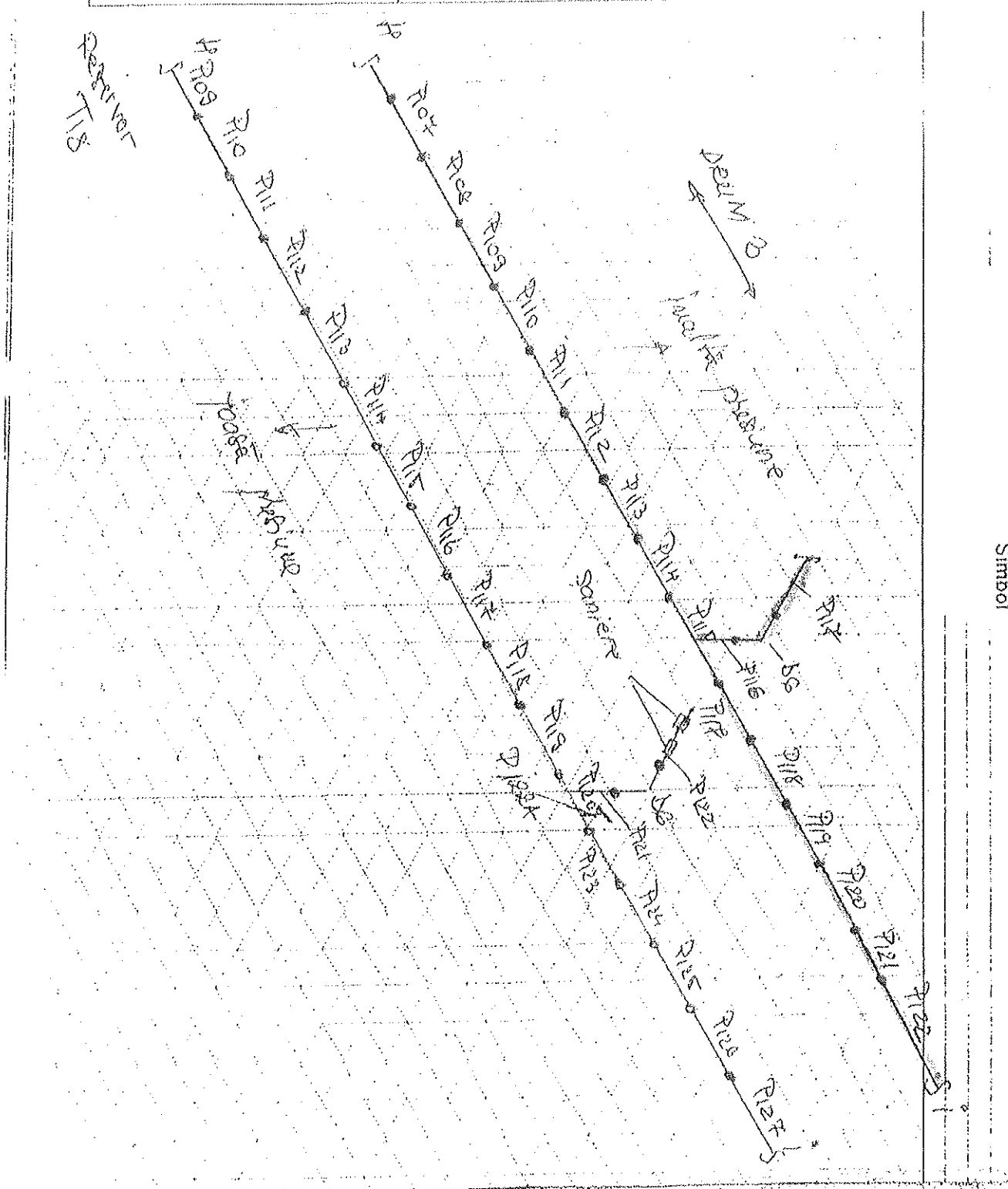


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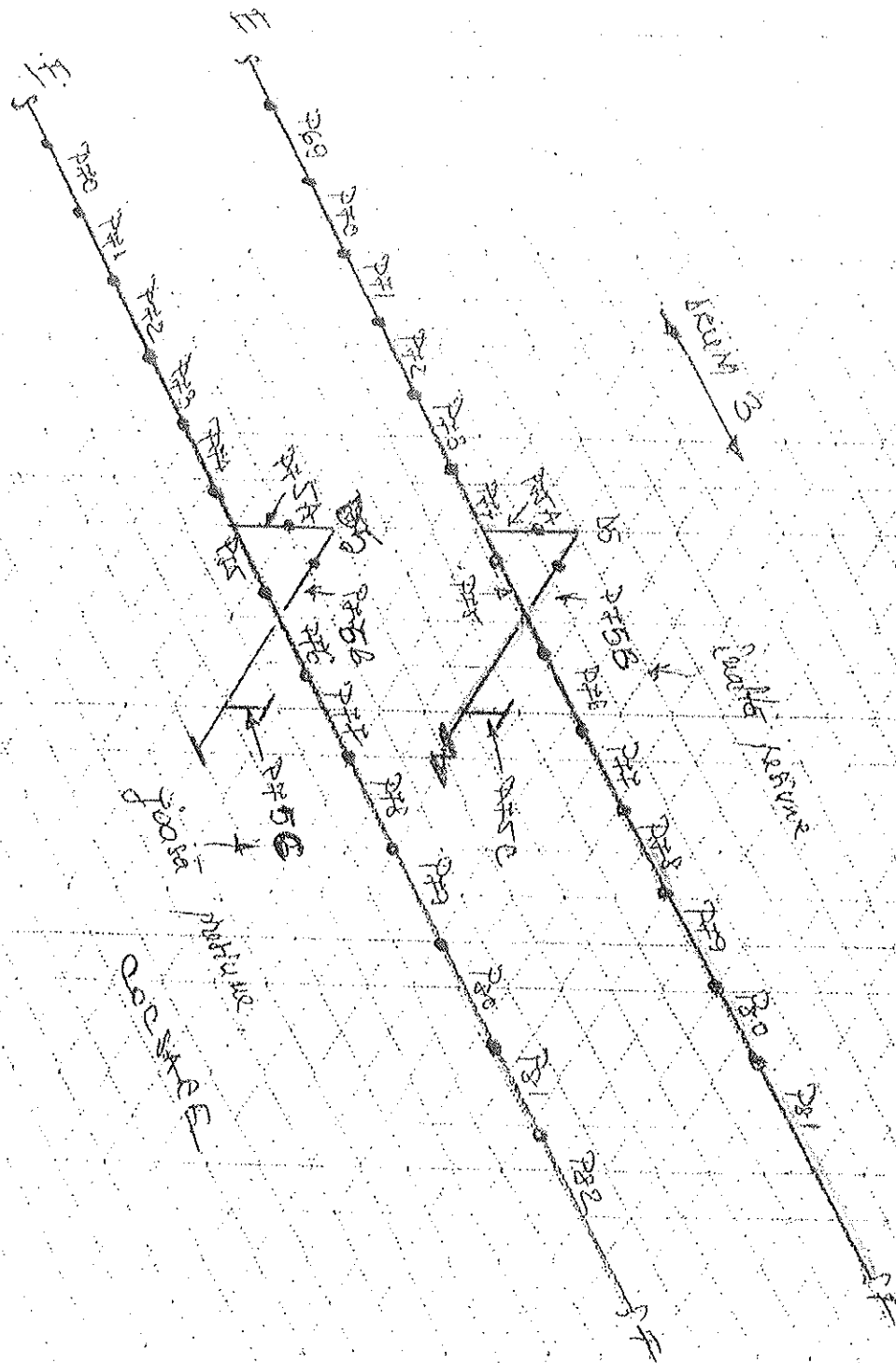
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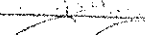
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Laborator Examinari Nedistructive	Autorizatie ISCIR No. 1E 400 Expira la: 23.11.2011	Fila 10	No.20 100 720/21.84	



Sef Laborator Nume Prenume	Nr.Autorizatie I.S.C.I.R/ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	0165/29.11.2011	2(doi)	

 DIAGNOSTICS S.R.L. Str. Mihai Bravu nr.235, Ploiesti Laborator Examinari Nedistructive	Buletin de examinare US grosimi Nr. 132 Data: 20.10.2011 Autorizatie ISCR No. IE 400 Expira la: 23.11.2011	Cod document: F-008-05 File 8	 No 20 100 72002184
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Sef Laborator Nume Prenume	Nr. Autorizatie I.S.C.I.R./ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	5165/29.11.2011	2(doi)	



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Str. Mihai Bravu nr. 235, Ploiesti

Laborator Examinari Nedistructive

Buletin de examinare US grosimi
Nr. 132 Data: 26.10.2011

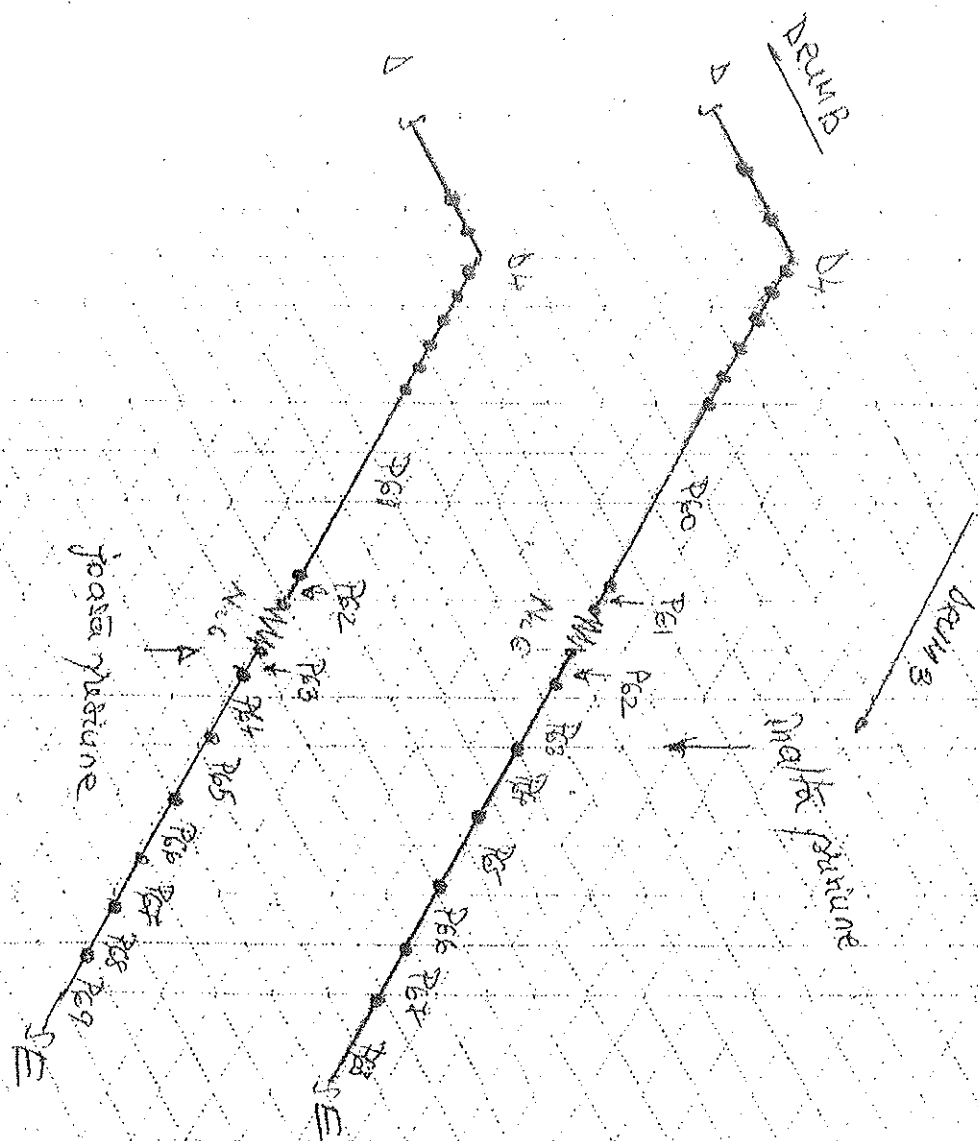
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Expira la: 23.11.2011

Cod document:
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Fila 2



No. 20 100 72002184



Simbol

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Matache Marius	0166/29.11.2011	2(doi)	[Signature]



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Str. Mihai Bravu nr. 235, Ploiesti

Laborator Examinari Nedestructive

Buletin de examinare DS grosimi
Nr. 132 Data: 23.10.2011

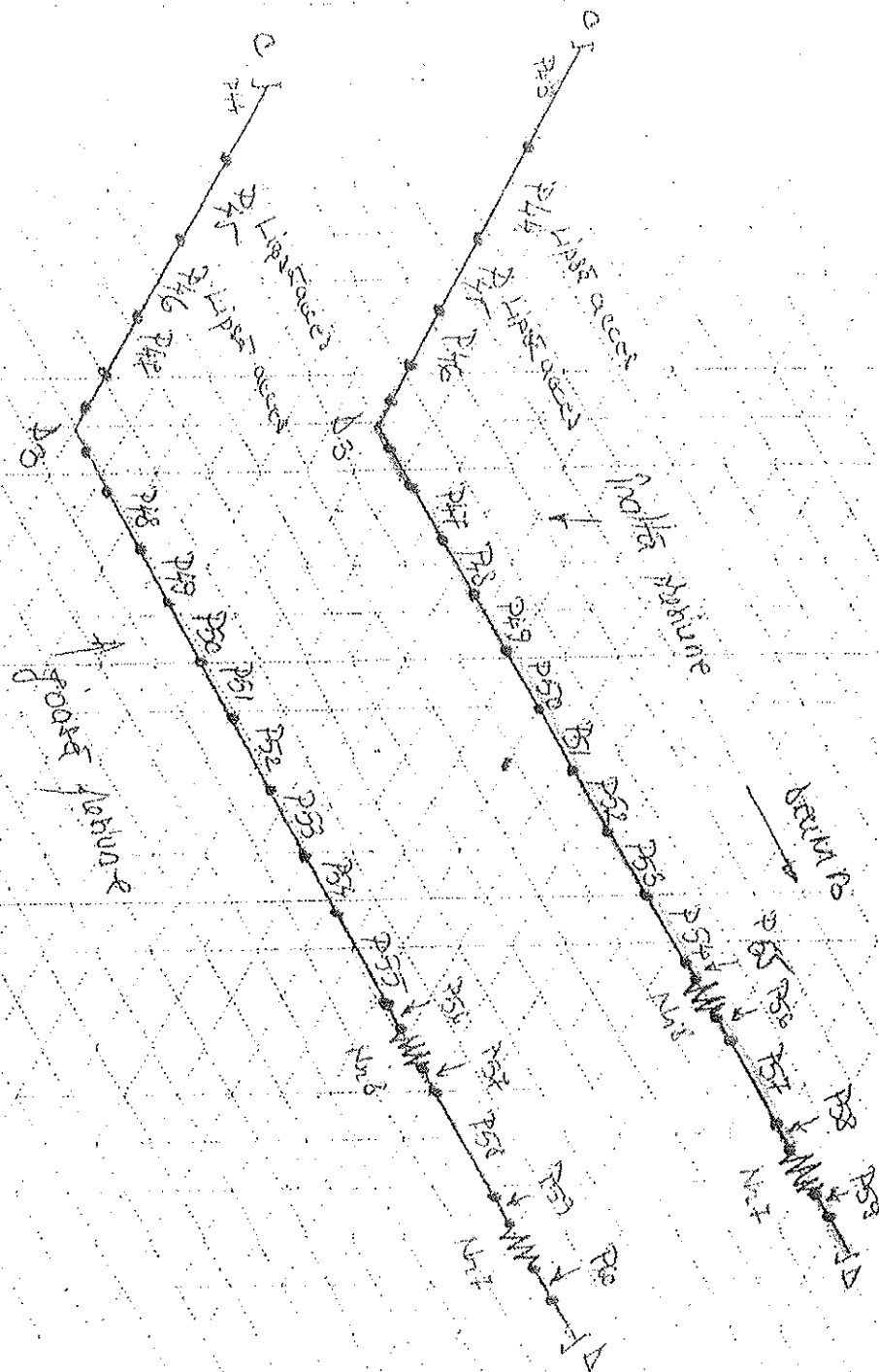
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Expira la: 23.11.2011

Cod document:
F 008 05

Fila 6

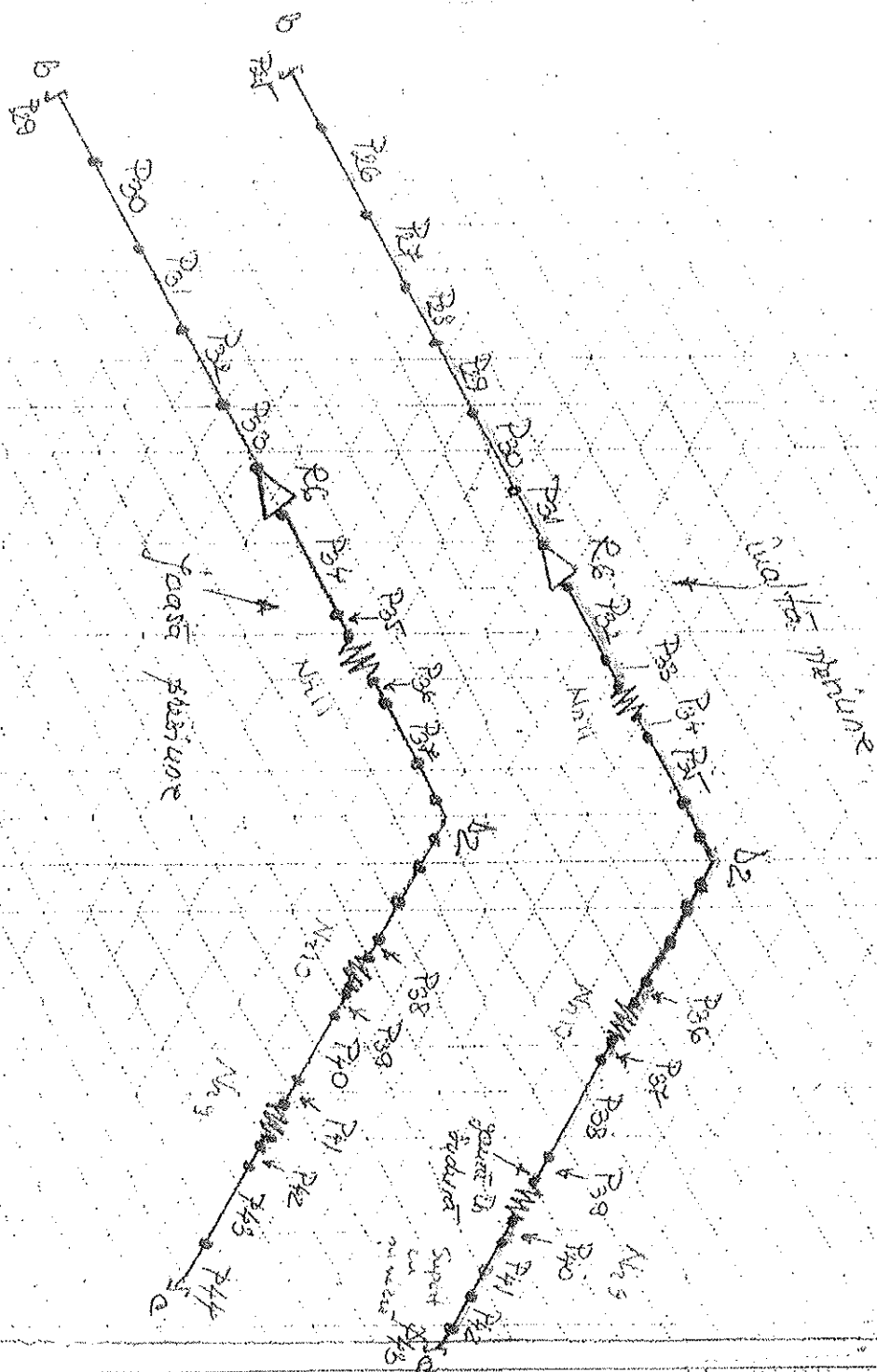


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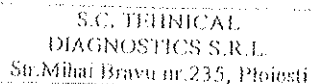
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Matache Marius	0165/29.11.2011	2(doi)	TEHNIC MATACHE



Symbol

Sef Laborator Nume Prenume	Nr. Autorizatie I.S.C.I.R/ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	5166/29.12.2011	2(doi)	[Signature]



Laboratori Esaminari Non Distruttivi

Buletin de examinare US grosimi
Nr. 432, Data : 20.06.2011

Autorizatie ISCIR No. : E 400
Expirat la: 23 11 2011

Cod document:
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File 4.



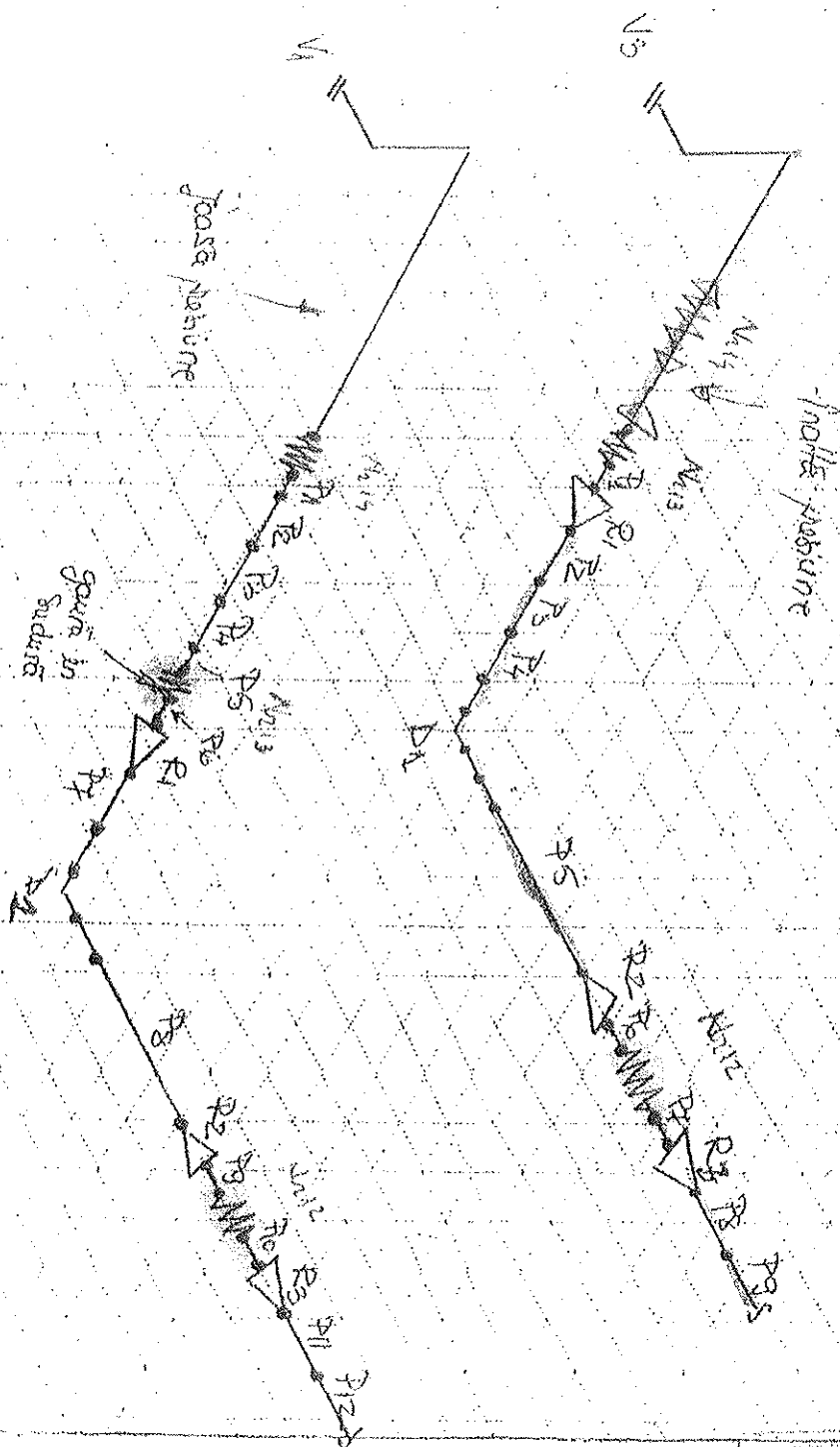
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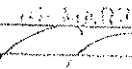
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Matache Marius	3165/29.11.2011	2(dof)	

 S.C. TEHNICAL DIAGNOSTICS S.R.L. Str. Mihai Bravu nr. 235, Ploiesti	Buletin de examinare US grosimi Nr. 152, Data: 28.10.2011	Cod document: E-008-05	 No. 20 180 72002184
Laborator Examinari Nedistructive	Autorizatie ISCIR No. JE 400 Expira la: 23.11.2011	Fila 3	



Simbol

Sef Laborator Nume Prenume	Nr. Autorizatie I.S.C.I.R/ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	5166/29.11.2011	2(doi)	



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Str. Mihai Bravu nr. 235, Ploiesti

Laborator Examinari Nedistructive

Buletin de examinare US grosimi
Nr. 177 Data: 20.05.2011

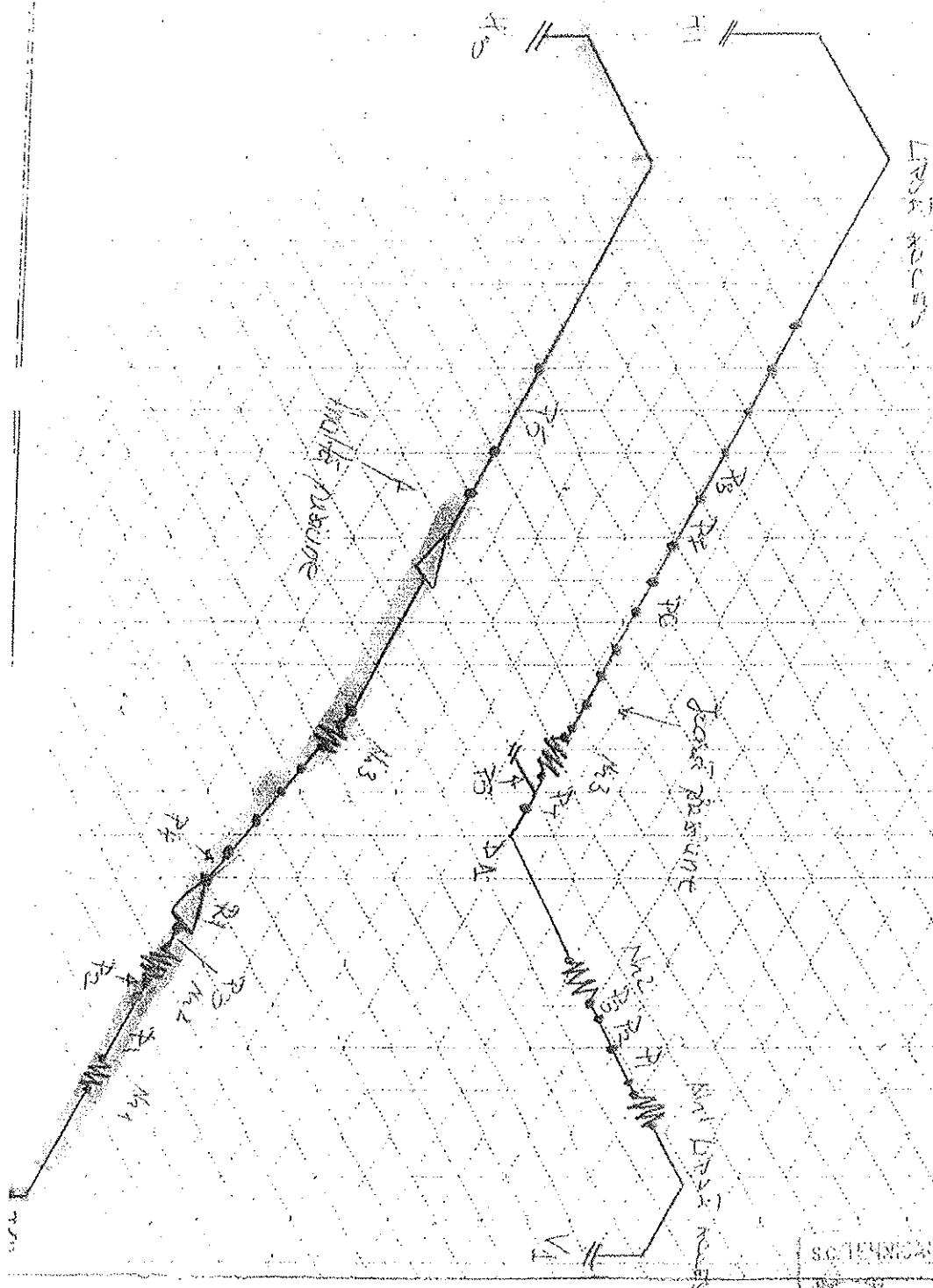
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Expira la: 23.06.2011

Cod document:
F-008-05

Fila 3



No. 20 100 72002184



Simbol

Sef Laborator Nume Prenume	Nr. Autorizatie I.S.C.I.R./ Expira la data	Nivel Autorizare	Semnatura
Matache Marius	5165/29.10.2011	2(doi)	