

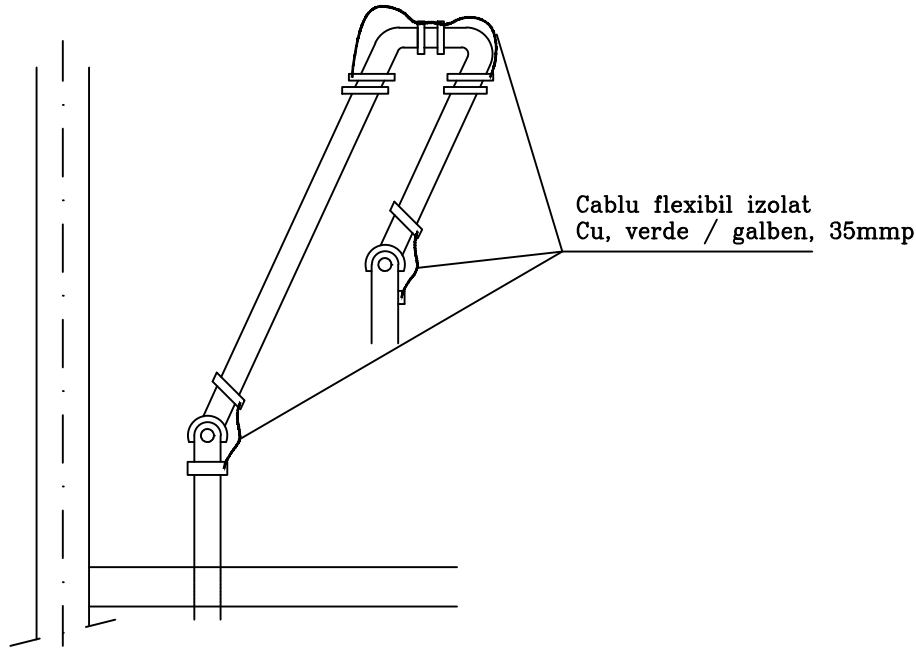


CONECTAREA ECHIPAMENTELOR LA PRIZA DE PAMANT

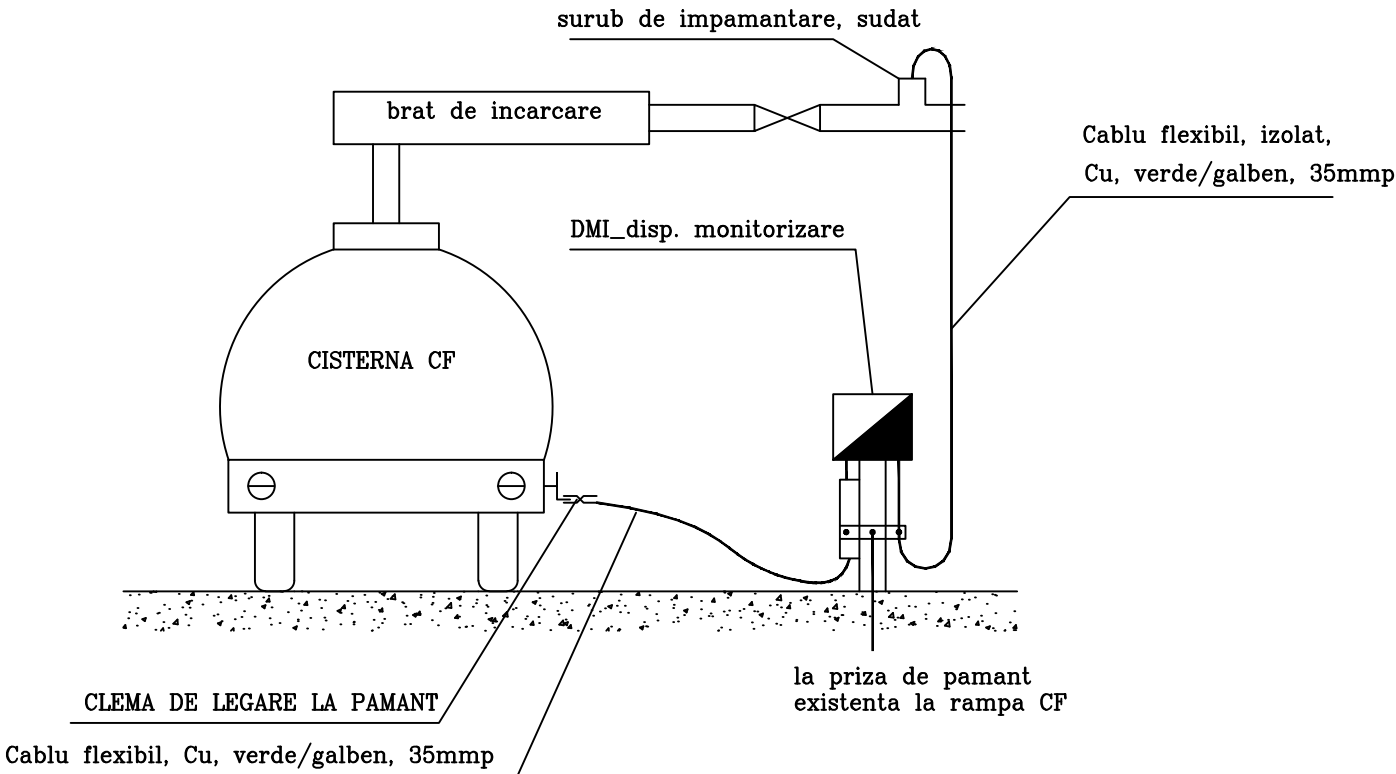
DETALII DE EXECUTIE

| | | | | | | | | | |
|--|----------------------|---------|---------------|---------------|--|----------------------|------|----------|-----------|
| | | | | | | | | | |
| 00 | Emis pentru aprobare | 06.2018 | Ing. C. Neagu | Ing. M. Dodon | | | | | |
| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat |
| Beneficiar: CONPET S.A. ROMÂNIA | | | | | REABILITARE RAMPA MARGHITA | | | | |
|  S.C. DAMPROIECT S.R.L. Str. Maramures Nr.12, Etaj 4, Cam.4-119 100012, Ploiesti-Romania Tel/Fax: +40 344 144 150 Mob. +40 723 503 216 E-mail: office@damproject.ro | | | | | INSTALATII ELECTRICE | | | | |
|  Revizia nr.: 00 | | | | | Conectarea echipamentelor la priza de pamant Detalii de executie | | | | |
| Intocmit ing. C. Neagu | | | | | Contract: | | | | |
| Verificat ing. M. Dodon | | | | | Comanda: _____ | | | | |
| Aprobat ing. M. Dodon | | | | | Scara: 1/— | | | | |
| | | | | | Masa: _____ kg | | | | |
| | | | | | Data: 25.06.2018 | | | | |

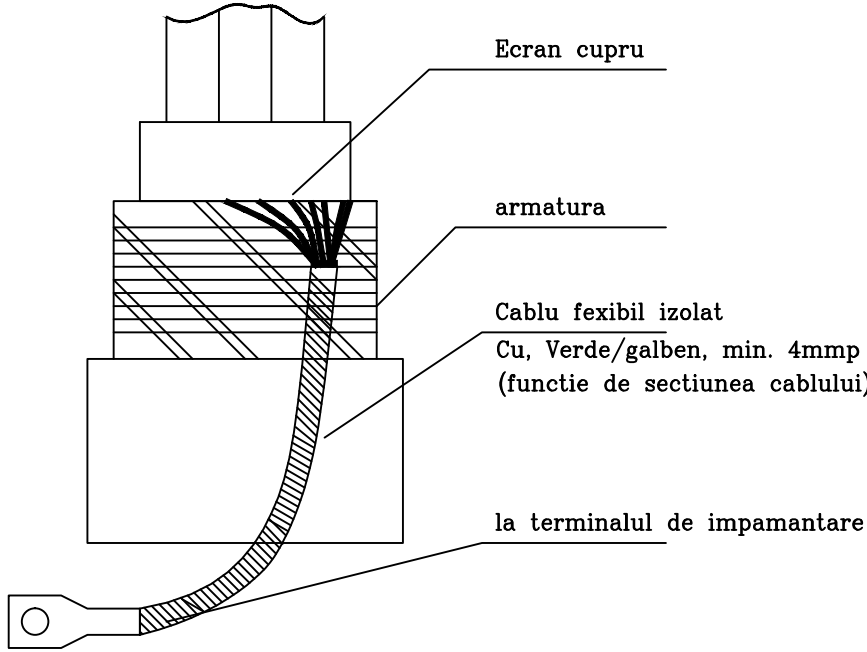
DETALIUL NR. 1
Legaturi echipotentiale brat incarcare



DETALIUL NR. 2
Legare la pamant cisterna CF



DETALIUL NR. 3
Legare la pamant a ecranelor cablurilor
in zona clasificata Ex



| | | | | | | | | | | | |
|---------------------------------|----------------------|---------|---------------|---------------|--|----------------------|------|----------|-----------|--|--|
| 00 | Emis pentru aprobare | 06.2018 | Ing. C. Neagu | Ing. M. Dodon | | | | | | | |
| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat | | |
| Beneficiar: CONPET S.A. ROMANIA | | | | | REABILITARE RAMPA MARGHITA | | | | | | |
| | | | | | INSTALATII ELECTRICE | | | | | | |
| | | | | | Conectarea echipamentelor la priza de pamant Detalii de executie | | | | | | |
| Intocmit | ing. C. Neagu | | | | Revizia nr.: | 00 | | | | | |
| Verificat | ing. M. Dodon | | | | Contract: | | | | | | |
| Aprobat | ing. M. Dodon | | | | Comanda: | | | | | | |
| | | | | | Scara: | 1/- | | | | | |
| | | | | | Masa: | | kg | | | | |
| | | | | | Data: | 25.06.2018 | | | | | |



Legarea la pamant a structurilor metalice
(aplicabil pentru constructia metalica a Rampei CF)



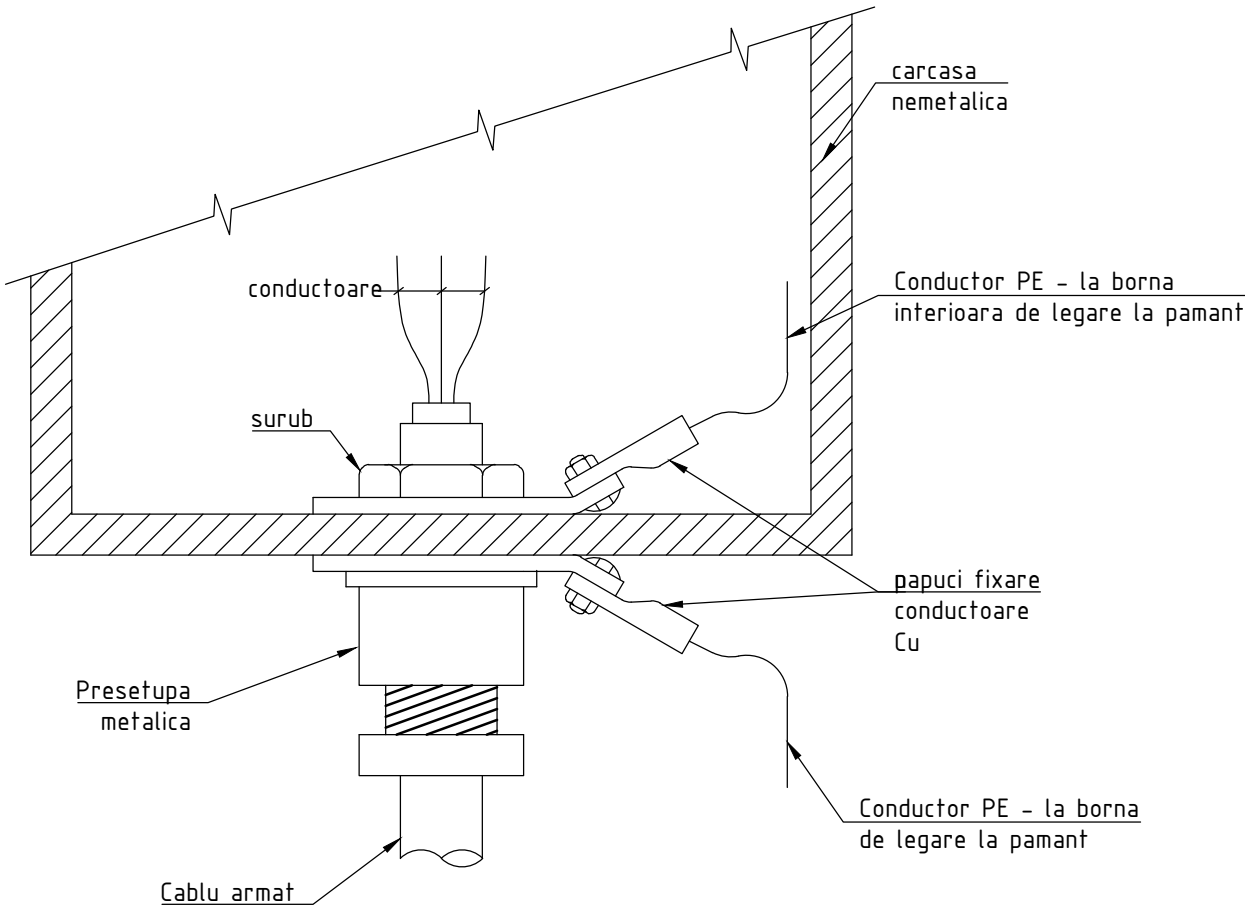
Diagrama de cablaj pentru un sistem de alimentare cu energie solară, care include panoul solar, bateria și controlerul de sarcină. Se arată conexiunile pentru cablurile de alimentare, cablurile de conectare la pământ și cablurile de legătură între componente.

Etichetele din diagramă sunt:

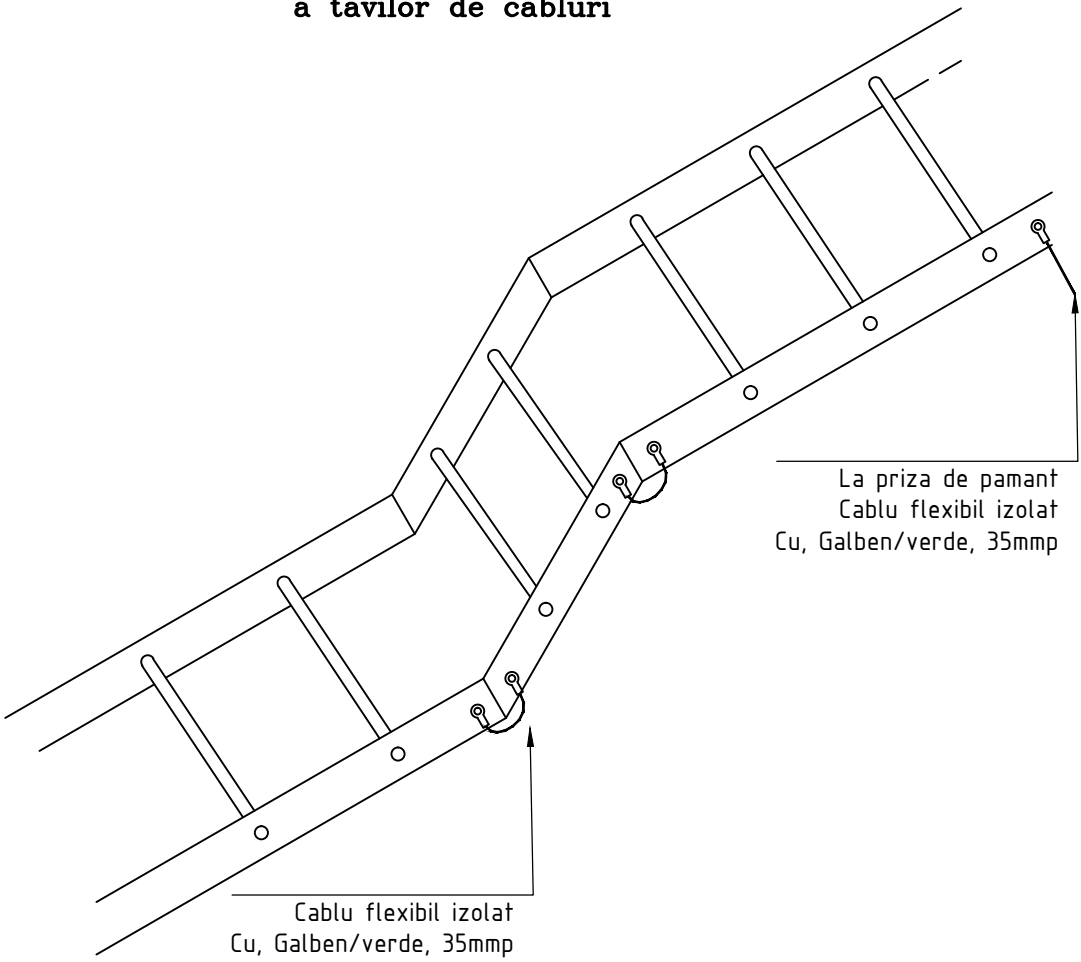
- cutii de jonctiune
- suport montare cutii de jonctiune
- presetupa
- cablu
- tava cabluri electrice/instrumentatie
- Papuc - cablu de legare la pamant
- Cablu flexibil izolat Cu, Galben/verde, 16mm



| | | | | | | | | | |
|--|----------------------|---------|---------------|---------------|---|----------------------|------|----------|-----------|
| 00 | Emis pentru aprobare | 06.2018 | Ing. C. Neagu | Ing. M. Dodon | | | | | |
| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat |
| Beneficiar: CONPET S.A. ROMÂNIA | | | | | REABILITARE RAMPA MARGHITA INSTALATII ELECTRICE | | | | |
|  S.C. DAMPROJECT S.R.L. Str. Maramurez Nr.12, Etaj 4, Cam.4+1/9 100012, Ploiesti-Romania Tel/Fax: +40 344 144 150 Mob: +40 723 503 216 E-mail: office@dampproject.ro | | | | |  Revizia nr.: 00 Contract: Comanda: _____ Scara: 1/- Masa: _____ kg Data: 25.06.2018 | | | | |
| Intocmit | ing. C. Neagu | | | | 2017-301-EL-502, pag. 3/7 | | | | |
| Verificat | ing. M. Dodon | | | | | | | | |
| Aprobat | ing. M. Dodon | | | | | | | | |

DETALIUL NR. 7
Legarea la pamant a presetupelor



DETALIUL NR. 8
Legarea intre ele si la pamant
a tavilor de cabluri

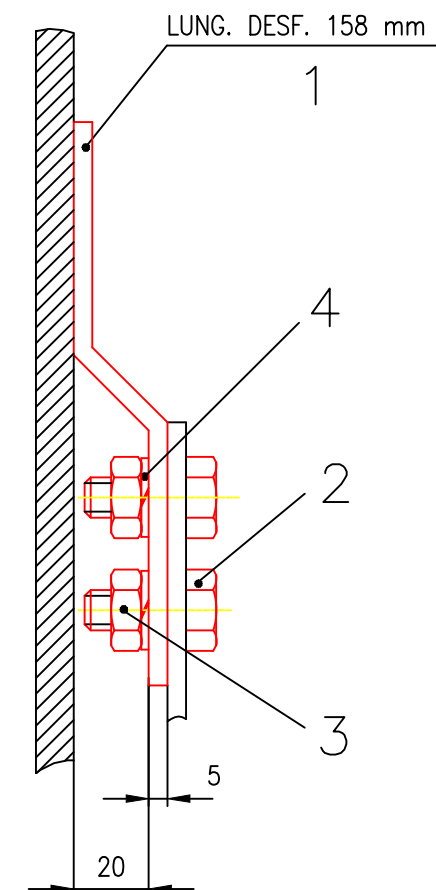
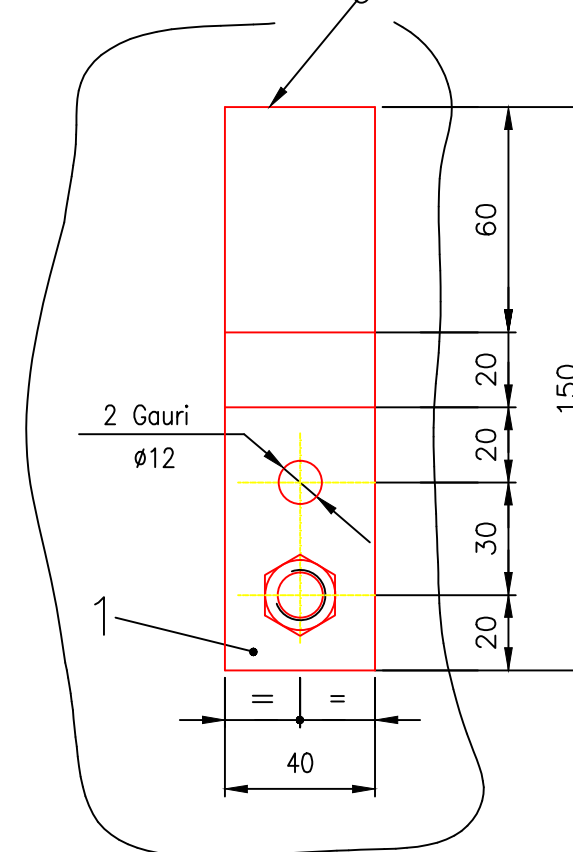
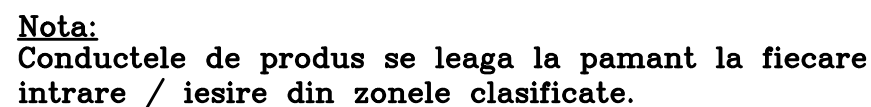


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|--|----------------------|---------|---------------|---------------|--|----------------------|------|----------|-----------|
| 00 | Emis pentru aprobare | 06.2018 | Ing. C. Neagu | Ing. M. Dodon | | | | | |
| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat |
| Beneficiar: CONPET S.A. ROMANIA | | | | | REABILITARE RAMPA MARGITA | | | | |
|  <div>S.C. DAMPROIECT S.R.L. Str. Maramures Nr.12, Etaj 4, Cam.4-119 100012, Ploiesti-Romania Tel/Fax: +40 344 144 150 Mob. +40 723 503 216 E-mail: office@damproiect.ro</div>  <div>Revizia nr.: 00 Contract: Comanda: _____</div> | | | | | INSTALATII ELECTRICE | | | | |
| Intocmit ing. C. Neagu | | | | | Conectarea echipamentelor la priza de pamant Detalii de executie | | | | |
| Verificat ing. M. Dodon | | | | | 2017-301-EL-502, pag. 4/7 | | | | |
| Aprobat ing. M. Dodon | | | | | Masa: _____ kg | | | | |
| | | | | | Data: 25.06.2018 | | | | |

4



C



| | | | | | | |
|------|-------------------|--------------------|------|--------------------------|------------|-------|
| – | ELECTROZI | | | E42.4B.2.1.H5 EN 499 | | 0.066 |
| 4 | SAIBA GROWER MN10 | STAS 7666/2–80 | 2 | Arc 6A | | 0.002 |
| 3 | PIULITA M10 | STAS 4071–89 | 2 | Gr.6 | CADMIAT | 0.01 |
| 2 | SURUB M10x35 | ISO 4017 | 2 | Gr.5,6 | CADMIAT | 0.03 |
| 1 | PIESA DE LEGATURA | | 1 | P275NL1 SR EN 10028–3 | | 0.25 |
| POZ. | DENUMIREA | NR. DESEN SAU STAS | BUC. | MATERIAL | OBSERVATII | MASA |

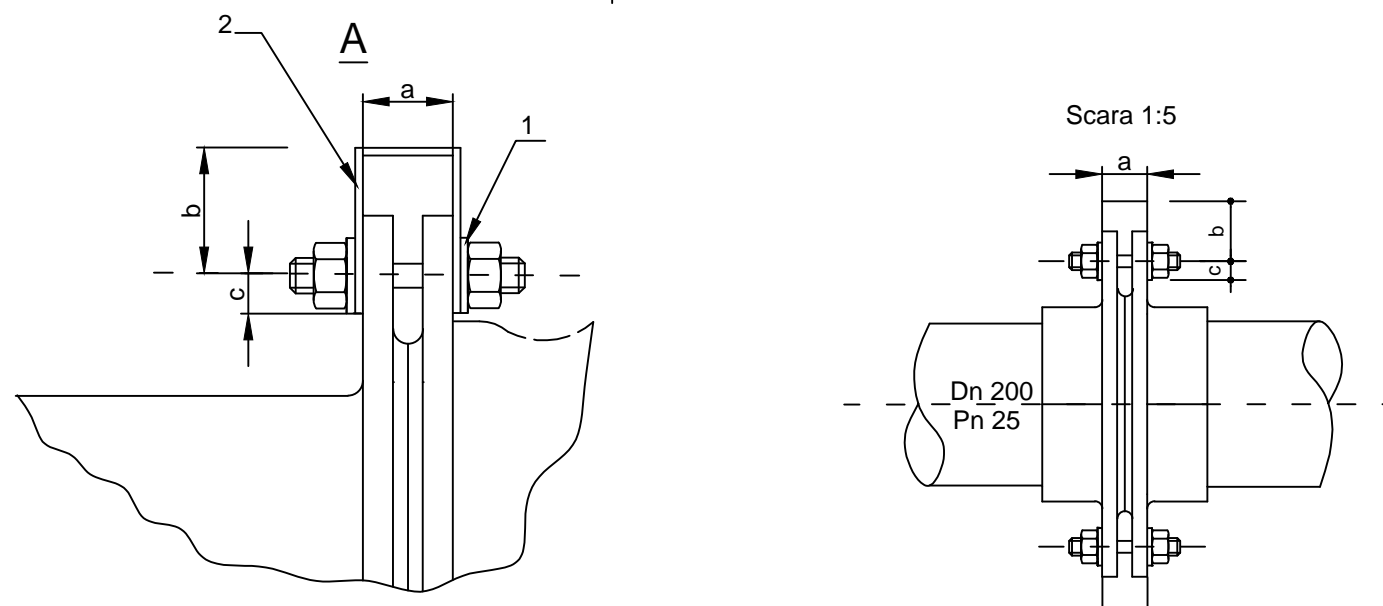
[illegible]

Technical drawing of a mechanical assembly, likely a valve or actuator, showing a side view. The assembly consists of a central body with a handle on top and two side ports. The drawing includes dimension lines and labels:

- a**: Dimension indicating the horizontal distance from the centerline to the center of the side port.
- b**: Dimension indicating the vertical distance from the centerline to the center of the side port.
- c**: Dimension indicating the vertical distance from the centerline to the center of the side port.
- A**: Label indicating the center of the side port.

| Dn | | a | b | c | d | e | f | g | Masa kg/buc. |
|-------|-----|-----|----|----|-----|----|----|-----|-----------------|
| toli | mm | | | | | | | | |
| 3/8 | 10 | 42 | 35 | 18 | 53 | 36 | 14 | A12 | 0,063 |
| 1/2 | 15 | 42 | 35 | 18 | 53 | 36 | 14 | A12 | 0,063 |
| 3/4 | 20 | 46 | 38 | 20 | 58 | 40 | 18 | A16 | 0,075 |
| 1 | 25 | 50 | 38 | 20 | 58 | 40 | 18 | A16 | 0,077 |
| 1 1/4 | 32 | 50 | 40 | 25 | 65 | 50 | 22 | A20 | 0,099 |
| 1 1/2 | 40 | 54 | 40 | 25 | 65 | 50 | 22 | A20 | 0,104 |
| 2 | 50 | 58 | 43 | 27 | 70 | 50 | 26 | A24 | 0,111 |
| 2 1/2 | 65 | 62 | 45 | 27 | 72 | 50 | 26 | A24 | 0,118 |
| 3 | 80 | 66 | 45 | 27 | 72 | 50 | 26 | A24 | 0,121 |
| 4 | 100 | 74 | 46 | 28 | 74 | 55 | 30 | A27 | 0,141 |
| 5 | 125 | 82 | 50 | 30 | 80 | 60 | 33 | A30 | 0,169 |
| 6 | 150 | 90 | 50 | 30 | 80 | 60 | 33 | A30 | 0,176 |
| 8 | 200 | 106 | 50 | 32 | 82 | 64 | 36 | A33 | 0,204 |
| 10 | 250 | 122 | 55 | 35 | 90 | 68 | 39 | A36 | 0,245 |
| 12 | 300 | 135 | 60 | 38 | 98 | 74 | 42 | A39 | 0,296 |
| 14 | 350 | 150 | 66 | 45 | 111 | 87 | 48 | A45 | 0,381 |
| 16 | 400 | 158 | 66 | 45 | 111 | 87 | 48 | A45 | 0,392 |

| Dn | | a | b | c | d | e | f | g | Masa kg/buc. |
|-------|-----|-----|----|----|----|----|----|-----|-----------------|
| toli | mm | | | | | | | | |
| 3/8 | 10 | 34 | 33 | 17 | 50 | 30 | 14 | A12 | 0,046 |
| 1/2 | 15 | 34 | 33 | 17 | 50 | 30 | 14 | A12 | 0,046 |
| 3/4 | 20 | 38 | 33 | 17 | 50 | 30 | 14 | A12 | 0,046 |
| 1 | 25 | 38 | 33 | 17 | 50 | 30 | 14 | A12 | 0,046 |
| 1 1/4 | 32 | 38 | 38 | 20 | 58 | 40 | 18 | A16 | 0,063 |
| 1 1/2 | 40 | 38 | 38 | 20 | 58 | 40 | 18 | A16 | 0,063 |
| 2 | 50 | 42 | 38 | 20 | 58 | 40 | 18 | A16 | 0,063 |
| 2 1/2 | 65 | 46 | 38 | 20 | 58 | 40 | 18 | A16 | 0,073 |
| 3 | 80 | 50 | 38 | 20 | 58 | 40 | 18 | A16 | 0,073 |
| 4 | 100 | 50 | 40 | 23 | 63 | 40 | 22 | A16 | 0,073 |
| 5 | 125 | 54 | 45 | 24 | 69 | 48 | 27 | A20 | 0,080 |
| 6 | 150 | 58 | 45 | 24 | 69 | 48 | 27 | A24 | 0,106 |
| 8 | 200 | 70 | 45 | 28 | 73 | 55 | 30 | A24 | 0,110 |
| 10 | 250 | 78 | 50 | 30 | 80 | 60 | 33 | A27 | 0,163 |
| 12 | 300 | 86 | 50 | 30 | 80 | 60 | 33 | A30 | 0,173 |
| 14 | 350 | 94 | 55 | 32 | 87 | 63 | 36 | A33 | 0,195 |
| 16 | 400 | 102 | 55 | 34 | 88 | 69 | 39 | A36 | 0,220 |
| 20 | 500 | 106 | 60 | 37 | 97 | 75 | 42 | A39 | 0,260 |





Scara 1:2

Technical drawing of a door assembly showing a side view and a top view. The side view shows a door with a handle and a lock mechanism. Dimensions are labeled: a for the handle offset, b for the handle height, c for the lock height, d for the door height, and e for the door width. A detail view of the handle is shown with dimensions 2 and a . The top view shows the door's profile with dimensions e and a .

Banda de otel galvanizata
STAS 908 - 90

1. Suntarea flanselor se realizeaza numai daca rezistenta de dispersie dintre flanse este mai mare decat 0,03 Ohm.
2. Suprafetele de contact intre banda si flanse se vor curata de vopsea si impuritati inainte de fixare.

| | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|---------|--|---------------|--|----------------------|------|----------|-----------|---------------------------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| 00 | Emis pentru aprobare | 06.2018 | Ing. C. Neagu | Ing. M. Dodon | | | | | | | | | | | | | | | | |
| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat | | | | | | | | | | | |
| Beneficiar: CONPET S.A. ROMANIA | | | | | REABILITARE RAMPA MARGHITA INSTALATII ELECTRICE Conectarea echipamentelor la priza de pamant_Detalii de executie | | | | | | | | | | | | | | | |
|  S.C. DAMPROIECT S.R.L. Str. Marasului Nr.12, Etaj 4, Cam.4+119 1000112, Ploiesti-Romania Tel/Fax: +40 344 144 150 Mob. +40 723 503 216 E-mail: office@damproject.ro | | |  CERTIFIED REPUTATION FOR QUALITY TUV AUSTRIA CERT. 00000000 | | Revizia nr.: 00 Contract: Comanda: _____ | | | | | 2017-301-EL-502, pag. 6/7 | | | | | | | | | | |
| Intocmit | ing. C. Neagu | | Scara: 1 / - | | | | | | | | | | | | | | | | | |
| Verificat | ing. M. Dodon | | Masa: kg | | | | | | | | | | | | | | | | | |
| Aprobat | ing. M. Dodon | | Data: 25.06.2018 | | | | | | | | | | | | | | | | | |

Trecerea platbandei din subteran in suprateran

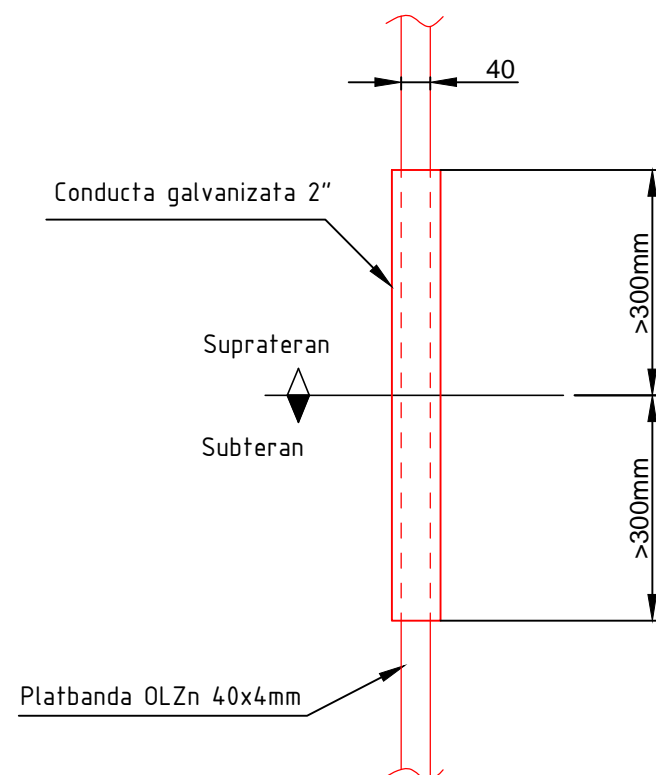




Diagram illustrating the connection of a cable to a grounding bar (Bara de legare la pamant din tabloul electric). The cable is labeled "Cablu armat" (Armored cable). The armor is labeled "Armatura". A flexible insulated copper wire (Cablu flexibil, izolat, Cu, verde/galben) is connected to the armor and the grounding bar. The cable is also labeled "Eticheta cablu" (Cable label).

| | | | | | | | | | |
|--|----------------------|--|---------------|--|--|----------------------|------|----------|-----------|
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| Rev. | Descriere modificare | Data | Intocmit | Verificat | Rev. | Descriere modificare | Data | Intocmit | Verificat |
| Beneficiar: CONPET S.A. ROMÂNIA | | | | | REABILITARE RAMPA MARGHITA INSTALATII ELECTRICE Conectarea echipamentelor la priza de pamant_Detalii de executie | | | | |
|  S.C. DAMPROJECT S.R.L. Str. Micușoare Nr.12, Etaj 4, Cam.4-1/9 100012, Ploiești-România Tel/Fax: +40 344 144 150 Mob: +40 723 503 216 E-mail: office@dampproject.ro | |  CERTIFIED CONTRACT NO. 10 101 104663 TUV AUSTRIA CERT. 02001 | | Revizia nr.: 00 Contract: Comanda: _____ | | | | | |
| Intocmit | ing. C. Neagu | | | | Scara: | 1 / - | | | |
| Verificat | ing. M. Dodon | | | | Masa: | kg | | | |
| Aprobat | ing. M. Dodon | | | | Data: | 25.06.2018 | | | |