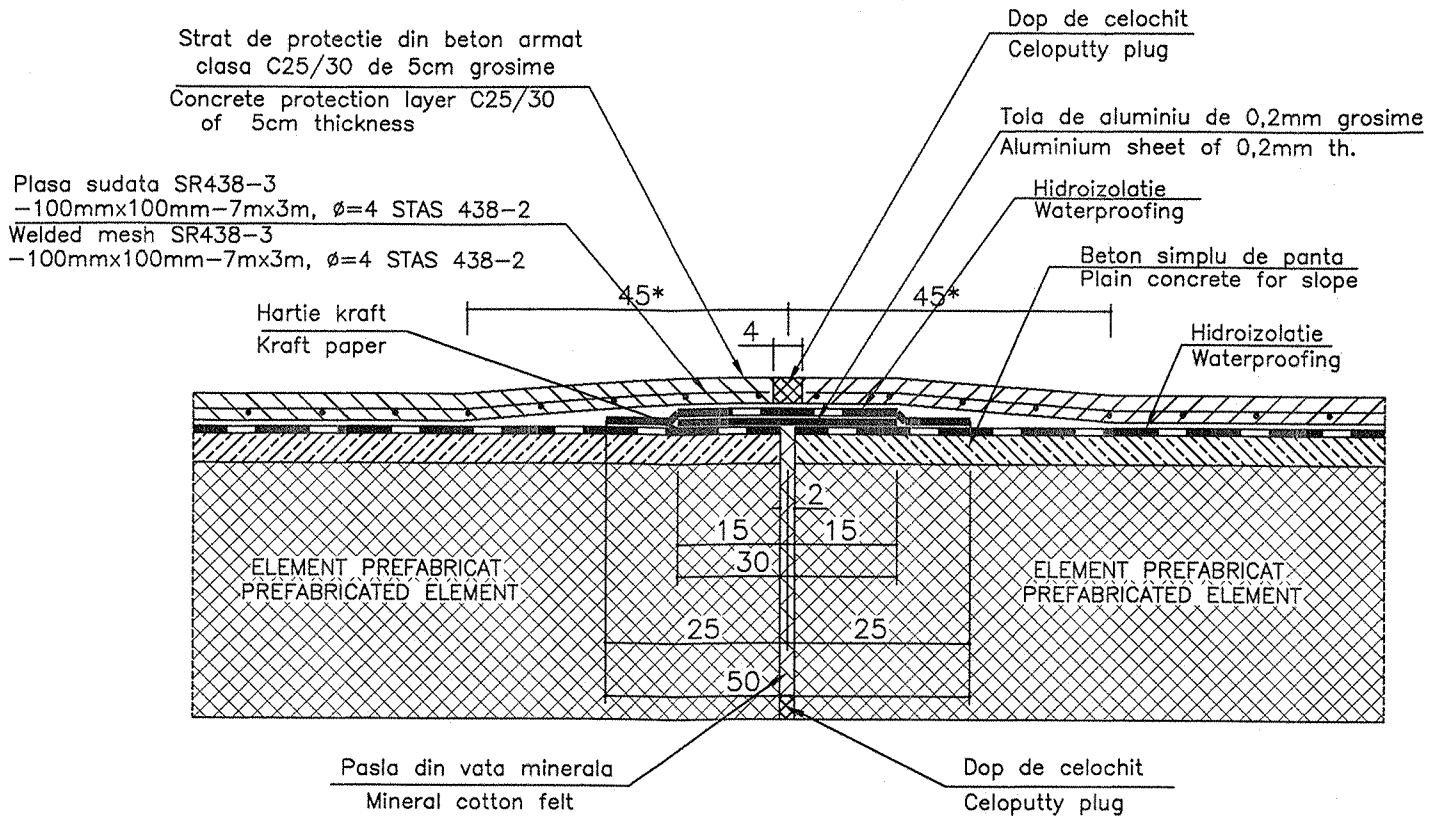
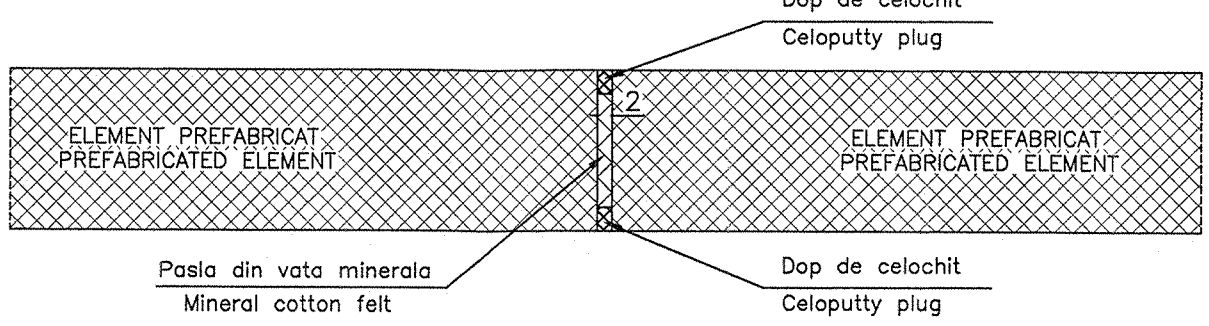
ACOPERIRE ROST INTRE ELEMENTELE PREFABRICATE
JOINT COVERING BETWEEN PREFABRICATED ELEMENTS

LA PARTEA SUPERIOARA
UPPER SIDE



PE PARTILE LATERALE
LATERAL SIDES



NOTA nr.2:
1. 45* pe aceasta zona stratul de protectie se toarna dupa realizarea acoperirii de rost;
2. Intre suprafata tolei si hidroizolatie se interpune o foaie de hartie Kraft.

NOTE nr.2:
1. 45* on this area the protection layer is cast after the joint covering ;
2. Kraft paper will be put between the aluminium sheet and waterproofing.

MEMBRANA PENTRU HIDROIZOLATII

Conditii de utilizare:
– grosimea minima a membranei 4mm;
– realizata pe baza de bitum aditivat;
– sa prezinte strat din granule minerale care sa asigure aderenta betonului de protectie;
– sa prezinte insertie de geotextil netesut din polistiren cu greutate min. 200g/mp;
– sa se aplice cu flacara in aderenta totala la suport.

Caracteristici fizico-mecanice:
– rezistenta la tractiune – longitudinal min. 180N/5cm;
– rezistenta la tractiune – transversal min. 120N/5cm;
– alungire la rupere – longitudinal min. 30%;
– alungire la rupere – transversal min. 30%;
– rezistenta la poansonare statica – min. 25kg(L4);
– flexibilitate la temperaturi scazute (dorn cu diametrul 20mm) – fara fisuri la –20°C;
– aderenta la suport – min. 0.53 MPa.

NOTA nr.1
1. Acoperirea de rost se aplica la rostul corespunzator rostului dintre fundatii la urmatoarele tipuri de podete:
– la podetele cadru tip C1EN;C2EN;C3EN;
– la podetele boltite;
– la podetele dalate tip D4EN si D5EN;
– la rostul dintre podetul existent si prelungirea podetului.
2. La podetele dalate rostul se executa pe betonul de panta, la celelalte rostul se executa direct pe elementele prefabricate.
3. Scurgerea apelor este asigurata de panta realizata la betonul de panta (la podetele dalate), respectiv de panta transversala a elementelor prefabricate la cadre si bolti.

WATERPROOFING MEMBRANE

Using conditions:
– the minimum membrane thickness 4mm;
– additive bitumen membrane;
– it shall have a layer with mineral granule which should provide the protection concrete adherence;
– it shall have non-woven geo-textile insertion of polyester with minimum weight 200g/mp;
– it shall be applied by flame gluing in total adherence with the support.

Physical-mechanical properties:
– tensile strength – longitudinal min. 180N/5cm;
– tensile strength – transversal min. 120N/5cm;
– elongation ultimate – longitudinal min. 30%;
– elongation ultimate – transversal min. 30%;
– static punching resistence – min. 25kg(L4);
– low temperature flexibility (mandrel with 20mm diameter) – without cracks at –20°C;
– support adherence – min. 0.53 MPa.

NOTE nr.1
1. Joint covering is applied at the joint corresponding to the joint between foundations for the following types of culverts:
– at frame culverts type C1EN; C2EN; C3EN
– at vaulted culverts
– at slab culverts type D4EN and D5EN
– at the joint between the existing culvert and culvert extension
2. At slab culverts the joint is executed on the slope concrete, and by the others, the joint is directly executed on the prefabricated elements
3. The discharge of water is ensured by the slope executed at slope concrete (at slab culverts), respectively cross slope of frames and vaults prefabricated elements.

POPA V. NICOLAE ROMANA INGINER VERIFICATOR PROIECTE

B			
A			
		Modificare / *Modification / Revision*	

BENEFICIAR/ BENEFICIARY : ROMANIAN RAILWAY NATIONAL COMPANY

AUTORITATEA DE IMPLEMENTARE/ IMPLEMENTUNG AUTHORITY: Ministerul Transporturilor / Ministry of Transports

AUTORITATEA CONTRACTANTA / CONTRACTING AUTHORITY: CFCU — Ministerul Economiei si Finantelor Oficiul de Plati si Contractare Phare / Ministry of Economy and Finances Phare Payments &Contracting Office

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Faza / Phase: *Pth+DE TP+DD*

prointec — CONSIS PROIECT

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Intocmit / *Designed*	Ing. Razvan Sterie		Scara / Scale : 1:10	PORTOFOLIU DE PROIECTE PHARE CES 2005 / PHARE CES 2005 PROJECTS PORTFOLIO LOT 1 Asistenta tehnica pentru pregatirea unor lucrari de reabilitare pentru tuneluri si poduri de cale ferata Technical assistance for preparing rehabilitation works required by railway tunnels and bridges
Verificat / *Checked*	Ing. Ioan Dachin			
Sef echipa / *Team leader*	Ing. Stelian Vara-Oros		Data / Date : 05.2009	Denumire desen / Drawing Title : Sucursala RCF /Railway district IASI. Linia cf /Railway line Damanesti-Dornisoara Podet / Culvert km 101+311 ACOPERIRE ROST INTRE ELEMENTELE PREFABRICATE JOINT COVERING BETWEEN PREFABRICATED ELEMENTS

Cod desen / Drawing Code: PT 241

Nr. / No: P11