

Mana curenta teava de otel inox  
Handrail - stainless steel pipe  
63.5x2.6 SR ISO 1127 TINiCr

Sudura / welding

Mana curenta teava de otel inox  
Handrail - stainless steel pipe  
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Sudura / welding

Treapta gresie  
ceramic tiling - exterior sandstone with antiskid striations

Adeziv  
adhesive

Mortar ciment  
cement mortar

Placa beton  
concrete floor

Placare ceramica/ceramic plating

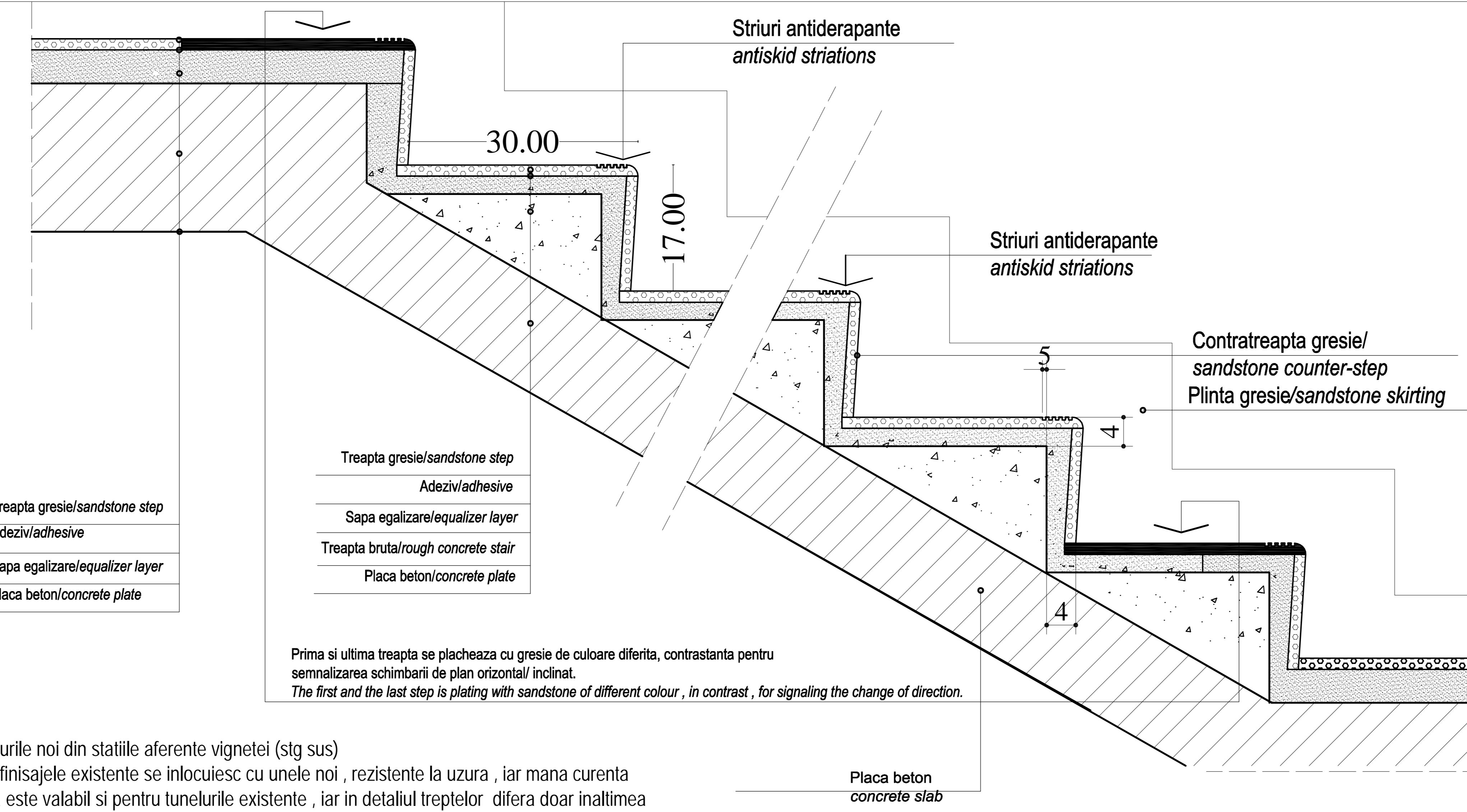
Adeziv/adhesive

Nut in tencuiala 15x15mm  
niche in plaster 15x15mm

Plinta ceramica 110mm  
ceramic skirting 110mm

**DETALIU MANA CURENTA sc 1/5**  
**DETAIL OF HANDRAIL sc 1/5**

**Nota / Note:**  
 detaliu de mana curenta si detaliu trepte sunt valabile pentru toate tunelurile noi din statiile aferente vignetei (stg sus)  
 In cazul tunelurilor existente care se reabiliteaza (Sighisoara si Brasov) finisajele existente se inlocuiesc cu unele noi , rezistente la uzura , iar mana curenta existenta se inlocuieste cu una noua din inox. Detaliul de mana curenta este valabil si pentru tunelurile existente , iar in detaliul treptelor difera doar inaltimea treptelor (deja existente - Brasov 16.5cm , Sighisoara 17cm) . Detaliile desenate mai sus contin finisaje noi , durabile (atat pentru tunelurile existente cat si pentru cele noi)  
 Detail of handrail and detail of steps are available for all the new pedestrian tunnels in the stations shown in the reference key map (left above).  
 In the case of existing pedestrian tunnels( Sighisoara and Brasov stations) the existing finishings will be replaced with new ones , durable, and the existing handrail shall be replace with inox handrail. Detail of handrail draw above is available also for existing tunnels , and at the detail of steps differs only the height of riser(already existent - Brasov 16.5cm and Sighisoara 17cm). The details draw above contain new ,durable , finishings(both for existent and new tunnels)



Treapta gresie/sandstone step

Adeziv/adhesive

Sapa egalizare/qualizer layer

Treapta bruta/rough concrete stair

Placa beton/concrete plate

Prima si ultima treapta se placheaza cu gresie de culoare diferita, contrastanta pentru semnalizarea schimbarii de plan orizontal/ inclinat.  
 The first and the last step is plating with sandstone of different colour , in contrast , for signaling the change of direction.

**DETALIU TREPTE SC. 1/5**  
**DETAIL OF STEPS sc 1/5**

D					
C					
B					
A					
Indice	Data	Modificare	Proiectant	Aprobat Consultant	Aprobat CFR
		Modification/Revision	Designer	Approved Consultant	Approved CFR

**GUVERNUL ROMANIEI**  
 ROMANIAN GOVERNMENT

**PROIECT FINANȚAT DE UNIUNEA EUROPEANĂ**  
 EUROPEAN UNION FINANCED PROJECT

**C.N.C.F. "C.F.R." - S.A.**

**CLIENT / CLIENT**

**ITAFERR**  
 GRUPPO FERROVIE DELLO STATO  
 Joint Venture leader

**Scott Wilson**

**OBERMEYER**  
 PLANEN + BERATEN GmbH

**TECNIC**  
 Consulting Engineers

**CONSULTANT / CONSULTANT**

Aprobat Approved	Șef proiect Project manager	R. Liuzza	Data Date	Semnătură Signature
Aprobat Approved	Coordonator Sectiune 1 Section 1 Coordinator	C. Gambelli		
Verificat Checked	Verificat Checked	Giuseppe Fioravanti		

**SUBCONTRACTANT / SUBCONTRACTOR**

Aprobat Approved	Responsabil Subconsultant Subconsultant Responsible	A.Stanciu - Dinulescu		
Intocmit Elaborated	Proiectant Designer	Alexandra Hegedus	12.2011	

Reabilitarea liniei de cale ferata Braşov - Simeria, parte componentă a coridorului IV Pan European, pentru circulația trenurilor cu viteză maximă de 160 km/h,  
**Tronsonul : Braşov - Sighişoara**  
 Rehabilitation of the railway line Braşov - Simeria, component Part of the IV Pan-European Corridor, for the trains circulation with maximum speed of 160 km/h,  
**Section : Braşov - Sighişoara**

**Proiect/Project**  
 2004/RO/16/PI/PA/003

**Faza / Phase:**  
 D.E. / E.D.

**Denumire desen / Drawing Title :**

**TUNEL PIETONAL**  
 DETALII MANA CURENTA SI SCARA  
 TUNNEL - DETAILS OF HANDRAIL AND OF STAIR

Codificare / Codification System	Scara / Scale 1:5	LOT / LOT	Nr. / No 01 / 01
E A 5 1 0 1 E 0 0 B Y C C 0 0 0 4 0 0 1 1			