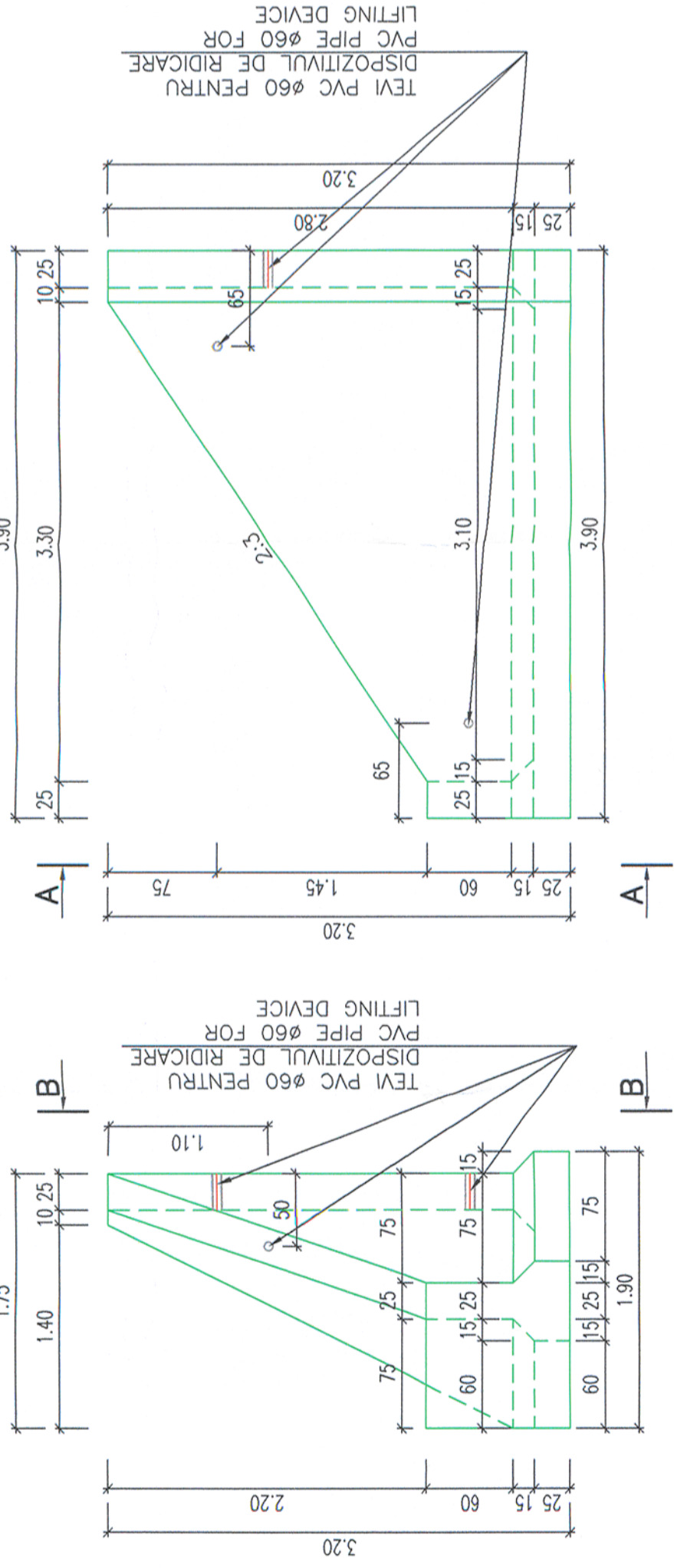


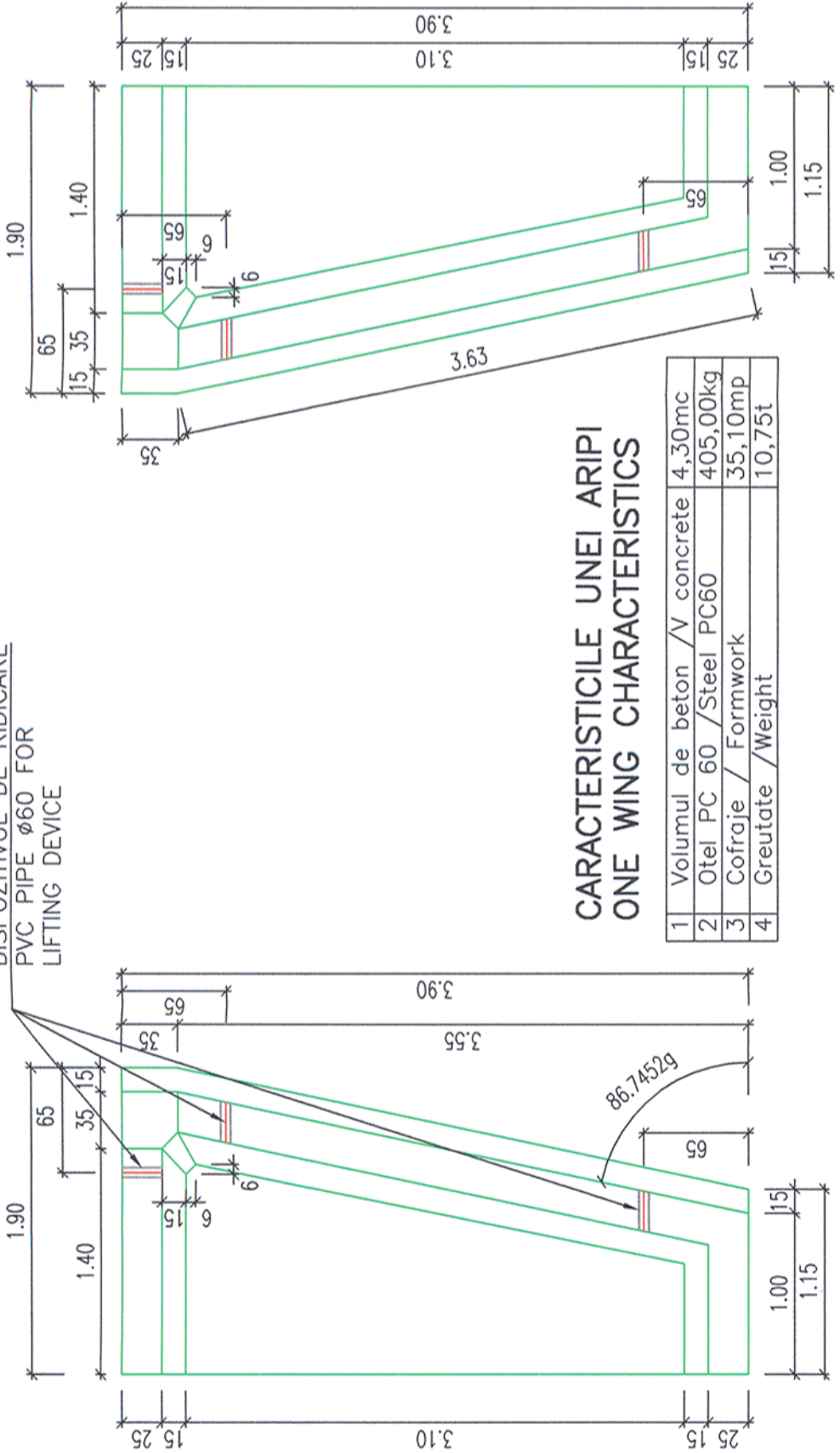
PLAN COFRAJ  
FORMWORK PLAN

VEDERE A-A  
A-A VIEW  
VEDERE B-B  
B-B VIEW  
Sc 1:50

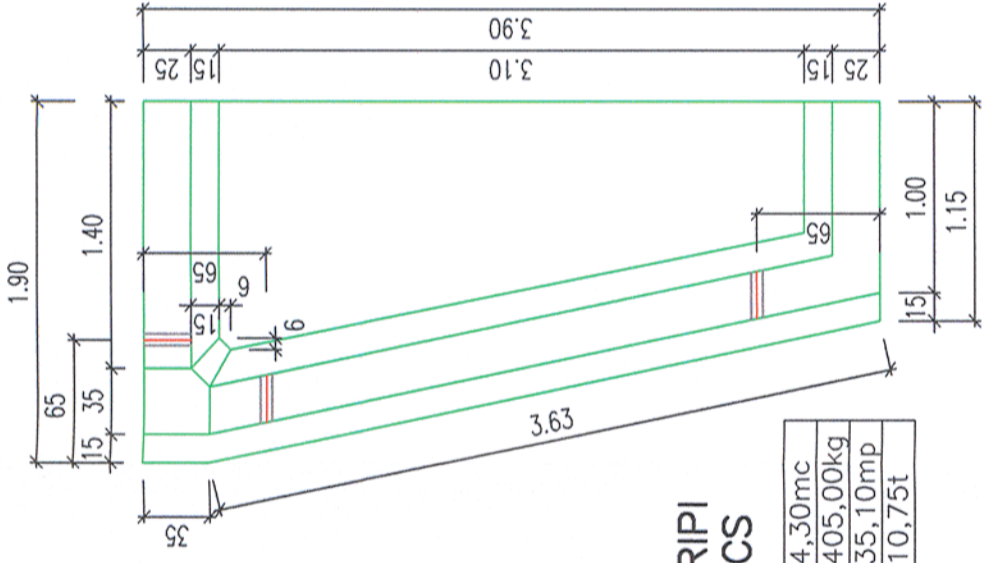


PLAN ARIPIA A3 STANGA  
LEFT WING A3 PLAN

TEVI PVC ø60 PENTRU DISPOZITIVUL DE RIDICARE LIFTING DEVICE



PLAN ARIPIA A3 DREAPTA  
RIGHT WING A3 PLAN



CARACTERISTICILE UNEI ARIPI  
ONE WING CHARACTERISTICS

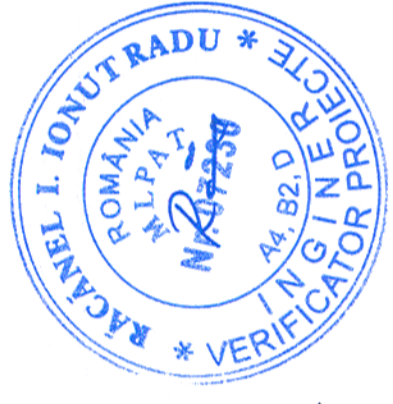
1	Volumul de beton / V concrete	4,30mc
2	Otel PC 60 / Steel PC60	405,00kg
3	Cofraje / Formwork	35,10mp
4	Greutate / Weight	10,75t

NOTA / NOTE

Acest plan este valabil pentru zone seismice cu acceleratie orizontala de varf  $ag \leq 0,16g$ .  
This plan applies to seismic zones with top horizontal acceleration  $ag \leq 0,16g$ .

CARACTERISTICILE BETONULUI

- C 35/45, expunere XC4+XF3+XA1 (R0), Cl 0.2, agregate  $D_{max}$  22, densitate  $D_{max}$  2.5, consistenta S3
- C 35/45, expunere XC4+XF3+XA1 (R0), Cl 0.2, agregate  $D_{max}$  22, densitate  $D_{max}$  2.5, consistency S3



BETON C35/45 OTEL PC60 ACOPERIRE 4cm
CONCRETE C35/45 PC60 STEEL COVERING 4cm

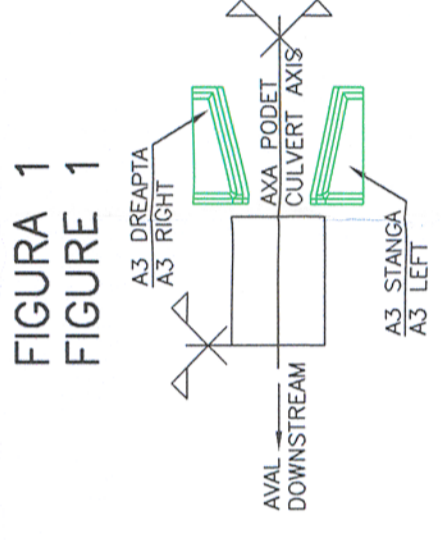


FIGURA 1  
FIGURE 1

Prezentul plan anuleaza si inlocuieste versiunea anterioara  
This plan cancels and replaces previous version

CONVOI DE CALCUL LM71  
CALCULATION CONVOY LM71

ATENTIUNE 1  
-Prezentul plan contine planul de cofraj pentru aripa A3 stanga;  
-Pentru perechea ei din dreapta se vor pastra aceleasi dimensiuni, cofrajul fiind orientat invers ( vazut in oglinda);  
-A se vedea in schita din fig 1.

- NOTA:
- Aripa prefabricata se va confectiona din beton clasa C35/45 si otel PC60;
  - Dupa decofrare, fetele interioare ale peretilor si fata superioara a placii de baza se vopsesc cu suspensie de bitum filerizat in dublu strat;
  - Pentru manevrarea prefabricatului se vor lasa orificii amplasate conform planului. Dupa montarea definitiva in amplasament a tronsoanelor, se vor umple cu mortar;
  - Aripile prefabricate se vor amplasa pe blocurile de fundatie monolitice prin intermediul unui strat de mortar de ciment care va fi alicatuit din:  
-un strat de nivelare de 2cm  
-un strat de 1 cm de fixare pe blocul monolit  
inaintea aplicarii mortarului, suprafata blocului se va curata bine de toate impuritatile;
  - La executie se vor respecta cu strictete prevederile din prescriptia tehnica NE 013-99 "Cod de practica pentru executia elementelor prefabricate din beton, beton armat si beton precomprimat" si din Caietul de Sarcini.
  - Compactarea pantantului de umplutura in interiorul arilor se face cu placa vibratoare.

ATENTIUNE 1  
-This drawing represents the formwork plan for the left A3 wing;  
-For the right A3 wing, there will be maintained the same dimensions but the formwork will be placed in mirror;  
-To be seen the figure no. 1.

- NOTE:
- The prefabricated wing will be executed of concrete class C35/45 and PC-60 steel;
  - After removing the formwork, the interior sides of the walls and the upper side of the bottom plate are painted with filler bitumen suspension in double layers;
  - To operate the prefabricated element will be provided holes located acc. to plan. After the definitive mounting of the section in location, the holes will be filled with mortar.
  - The prefabricated wings will be placed on the monolith foundation blocks by a cement mortar layer composed by:  
-a leveling layer of 2 cm. thickness  
-a layer of 1 cm. to fix on the monolith block.  
Before mortar laying, the foundation block surface will be well cleaned by all the impurities.
  - During work construction there will be strictly applied the provisions of the technical prescription NE 013-99 "Practice code for the precast elements execution, reinforced and prestressed concrete" and Technical Specifications of this project.
  - Compaction of filling earth from inside the wings is done with vibrating plate.

Verificator / Expert Checker / Expert	European Investment Bank	Cerinta Requirement	MINISTERUL TRANSPORTURILOR BENEFICIAR / BENEFICIARY: CFR COMPANIA NATIONALA DE CAI FERATE "CFR" SA	Referat / Expertiza Report / Expertise	
PROIECTANT / DESIGNER:		Semnatura Signature	C. Teodorescu	Data Date	01.2013
Aprobat Approved	Sef de echipa Team leader	Verificat Checked	R. Tudorascu	01.2013	
Subcontractant / Subcontractor					
Aprobat Approved	Adjunct Sef de echipa Deputy Team leader	Proiectat Designed	F. Ioanidi	01.2013	
"Reabilitarea liniei c.f. Frontiera - Curtici - Simeria, parte componenta a coridorului IV Pan - European pentru circulatia trenurilor cu viteza maxima de 160 km/h"					
"Rehabilitation of the Railway Line Border - Curtici - Simeria, component Part of the IV Pan - European Corridor for the Trains Circulation with maximum speed of 160 km/h"					
Section 2 - km 614 - Gurasada					
Denumire desen / Drawing name: PLAN COFRAJ ARIPIA TIP A3EN SHUTTERING PLAN WING A3EN TYPE					
Scara / Scale 1:20	Revizia / Revision 1/05.2013	Cod desen / Drawing Code PT-02.02.00.PO.015	Nr / No 15	Faza / Phase: PTH+CS / TD+TS	