

Projekti per Objektin / Design for the Object :

“Studim Projektim – Zgjerimi i segmentit rrugor dalje Elbasan-Prrenjas-Qafe Thane”, Faza IV /

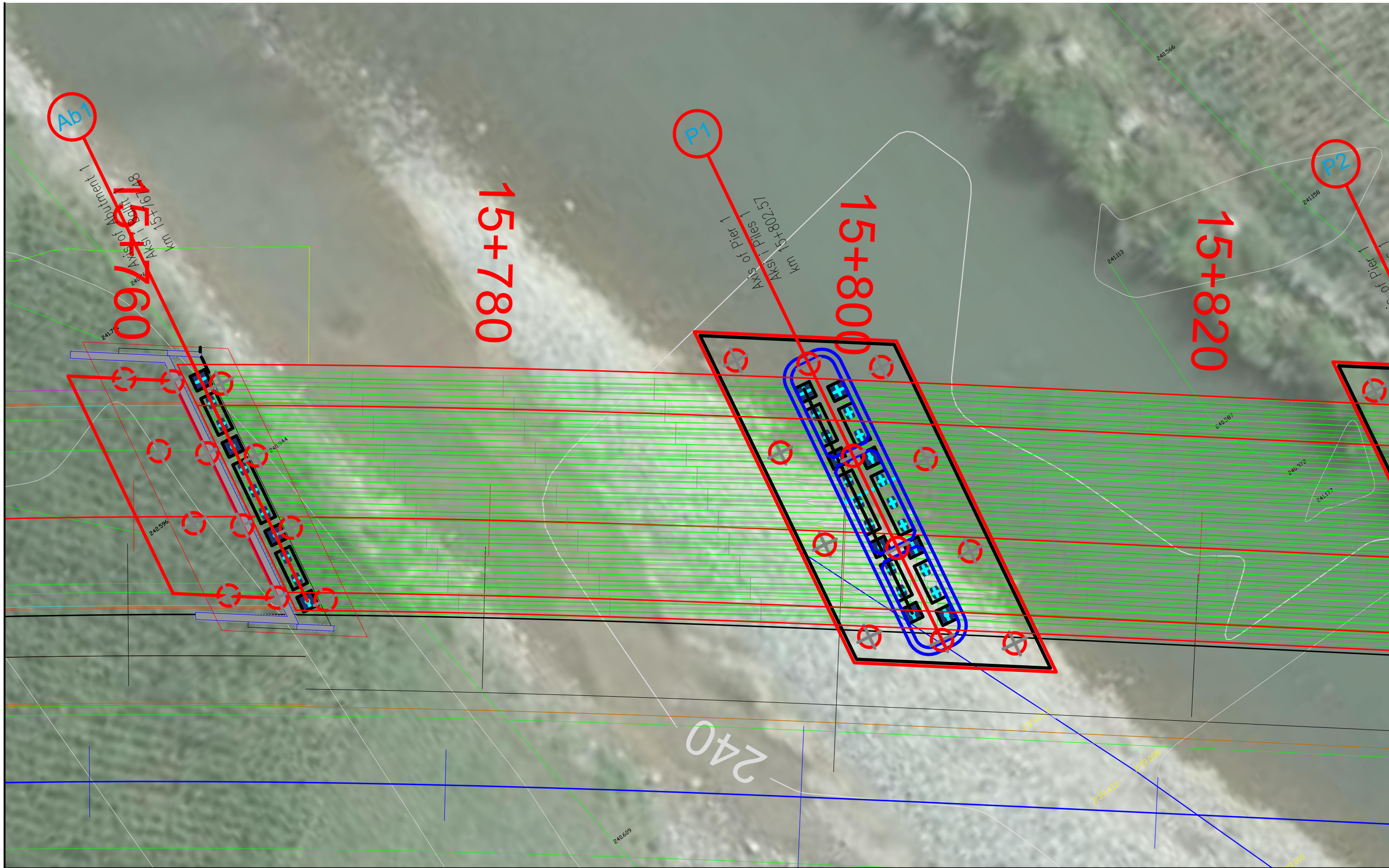
“Design Study of road segment exit Elbasan-Prrenjas-Qafe Thane” Phase IV

Projekt Zbatim / Detailed Design

“URA 5 MAJTAS KM 15+767.48 – 15+873.42” /

“BRIDGE 5 LEFT SIDE KM 15+767.48 – 15+873.42”

TIRANE 2023



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasher", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence inzhinierie

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

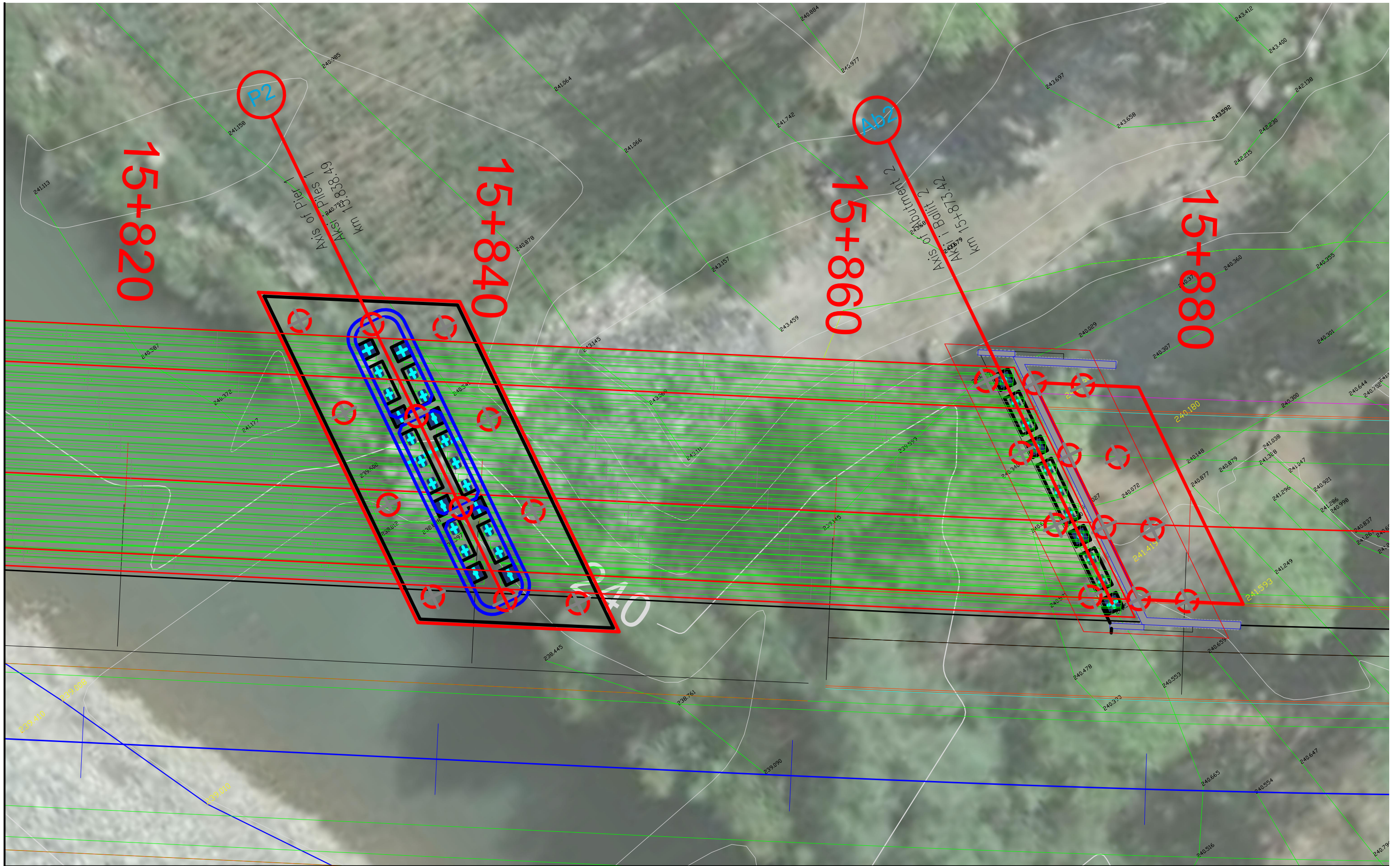
"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Plani /
 Bridge 5-Left, Planview

FAZA - PROJEKT ZBATIM PHASE - DETAIL DESIGN	
SHKALLA SCALE	1:200
Date: Tiranë 2023	
VIZATIMI Nr: PAGE No:	H.1 (1)

**PROJEKTUES
DESIGN ENGINEERS:**

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence inzhinierie

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

**Ura 5-Majtas, Plani /
 Bridge 5-Left, Planview**

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

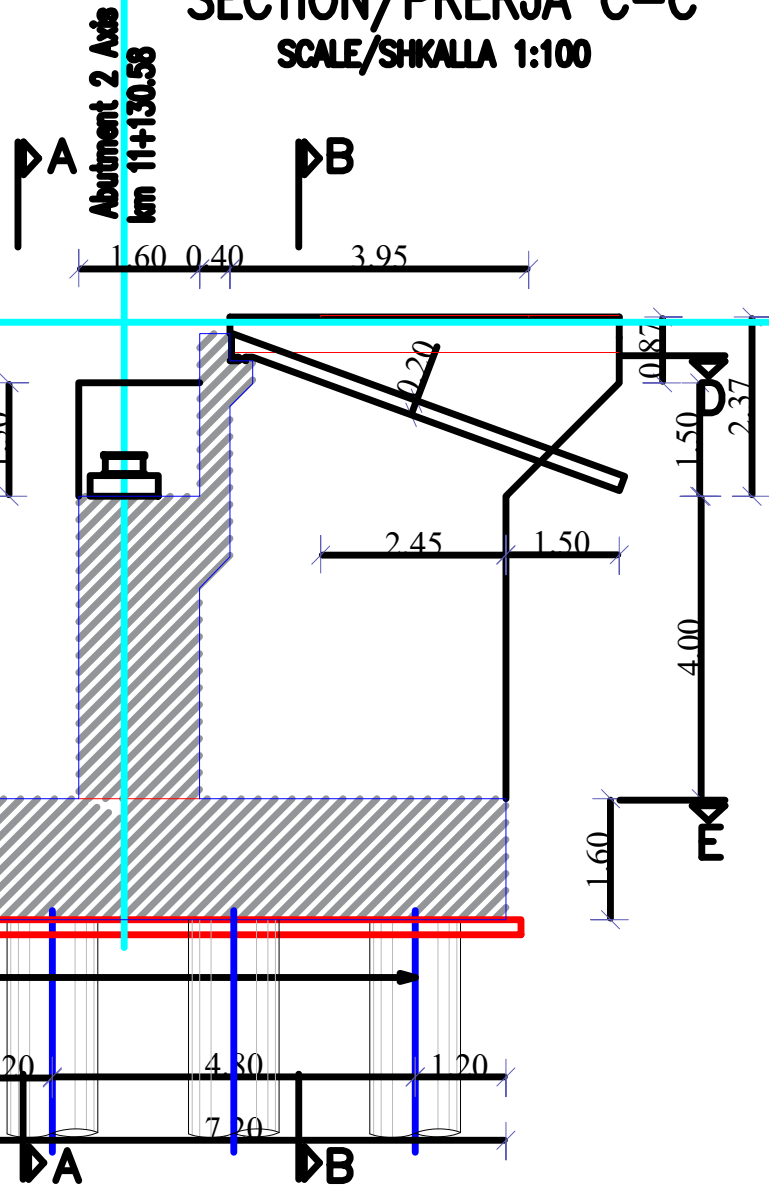
SHKALLA 1:200
SCALE 1:200
 Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.1 (2)

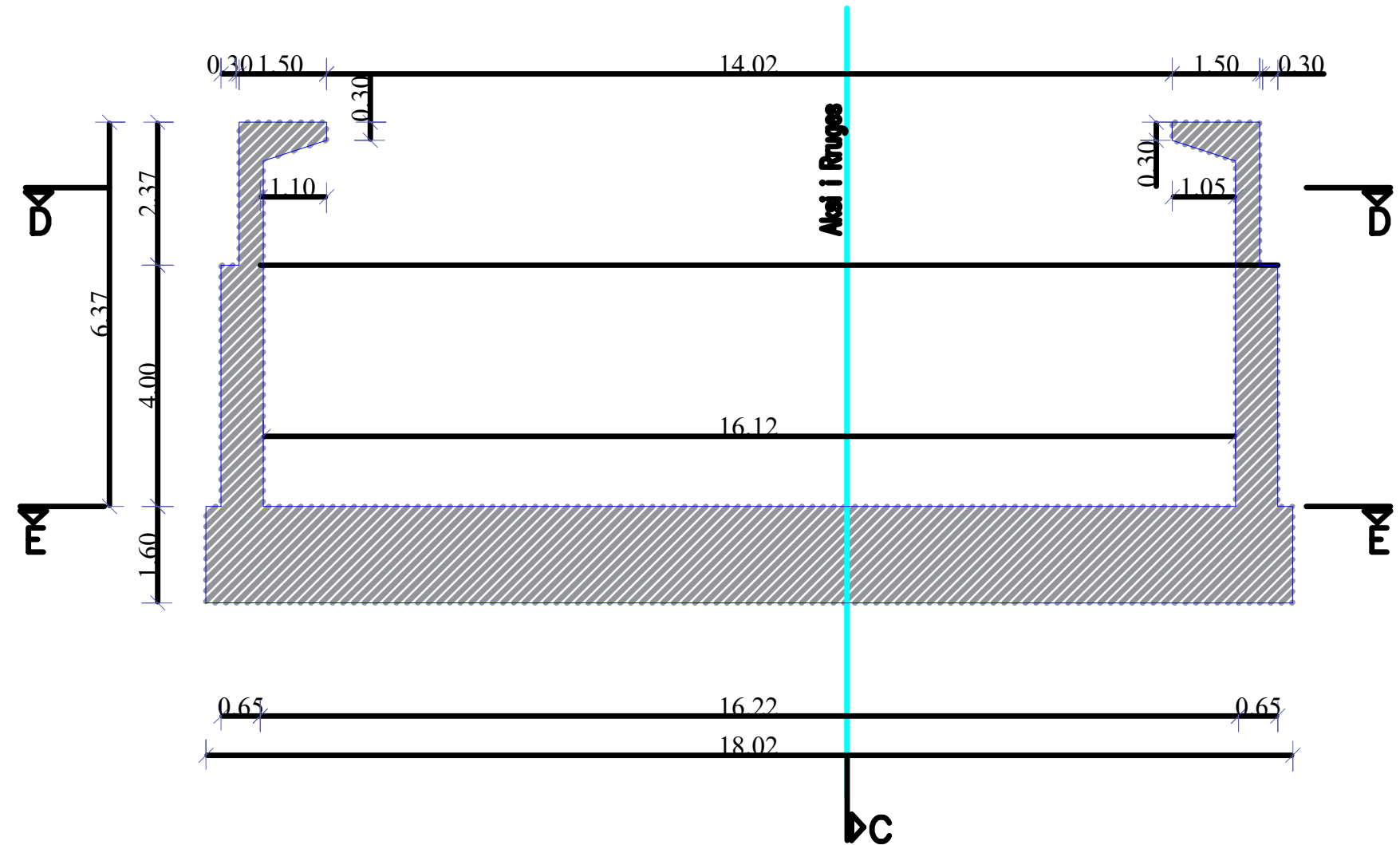
PROJEKTUES
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

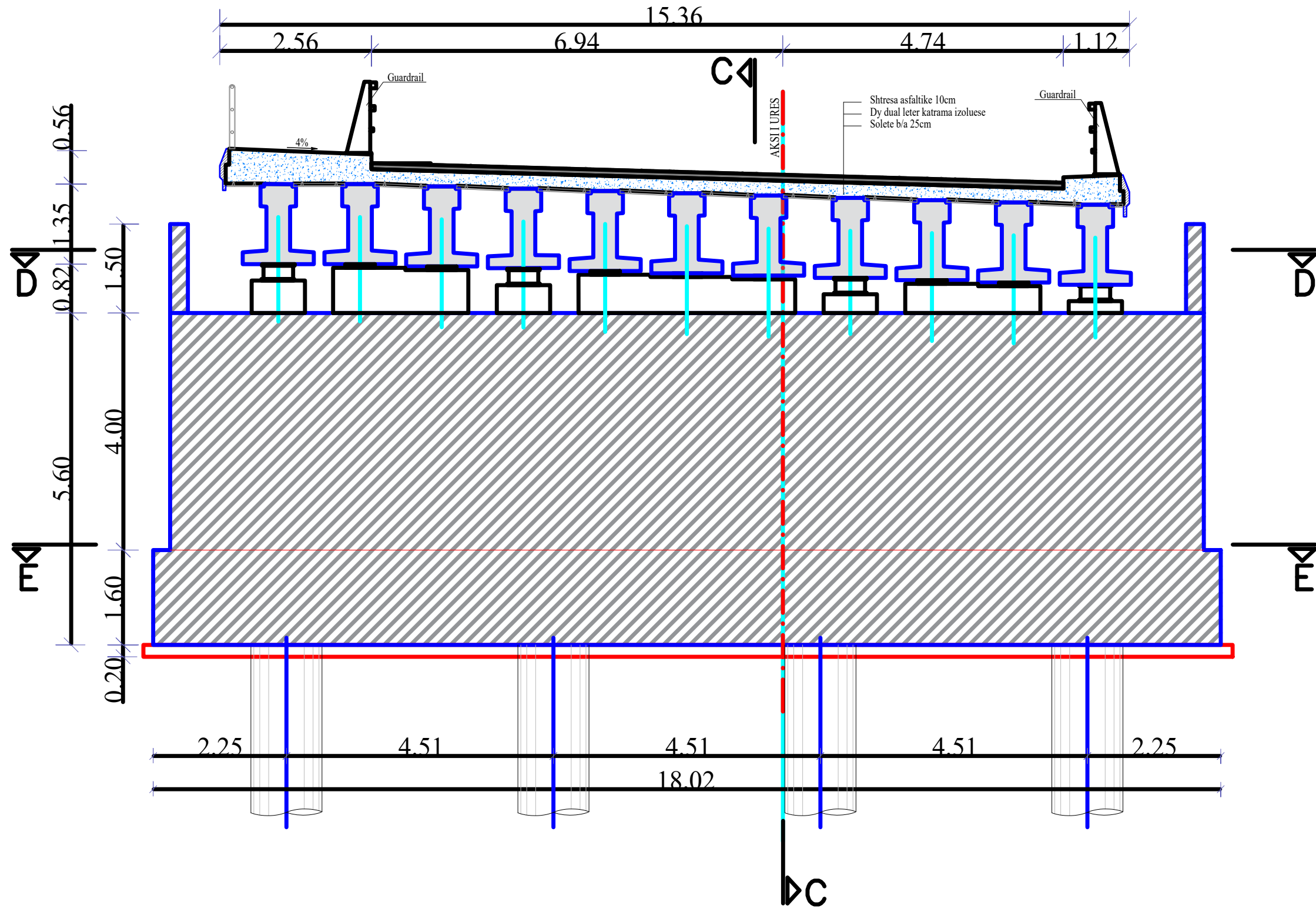
SECTION/PRERJA C-C
SCALE/SHKALLA 1:100



SECTION/PRERJA B-B
SCALE/SHKALLA 1:100



ABUTEMENT FRONT VIEW/PAMJA BALLORE E BALLIT A-A SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasher", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Gjeometria e Ballit 1 / Bridge 5-Left, Abutment 1 Geometry

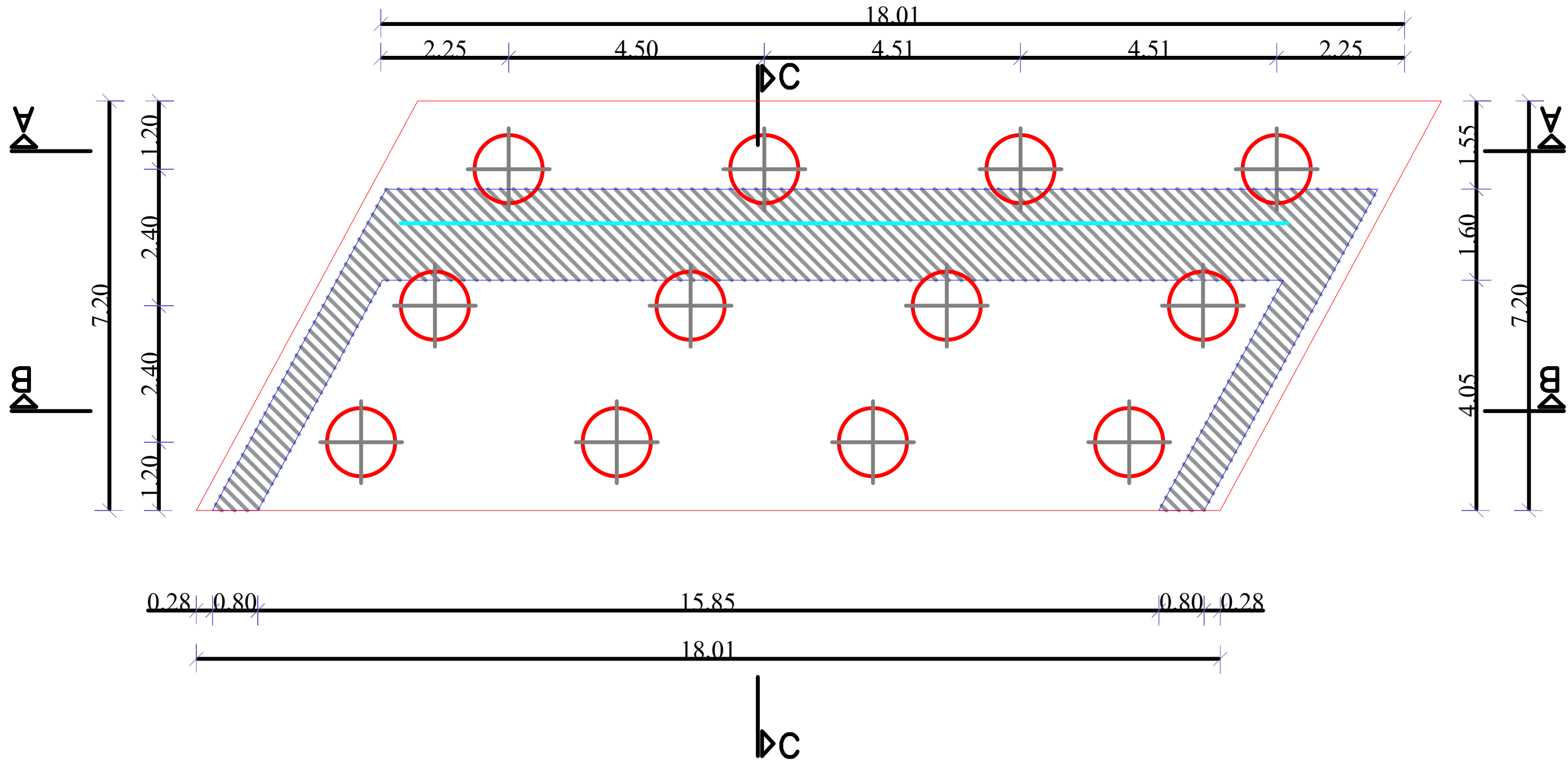
FAZA - PROJEKT ZBATIM PHASE - DETAIL DESIGN	
SHKALLA SCALE	1:75
VIZATIMI Nr: PAGE No:	Date: Tiranë 2023 H.2 (2)

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

FOUNDATION PLAN/PLANI I THEMELIT E-E

SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence inzhinierie

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 1 /
 Bridge 5-Left, Abutment 1 Geometry

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

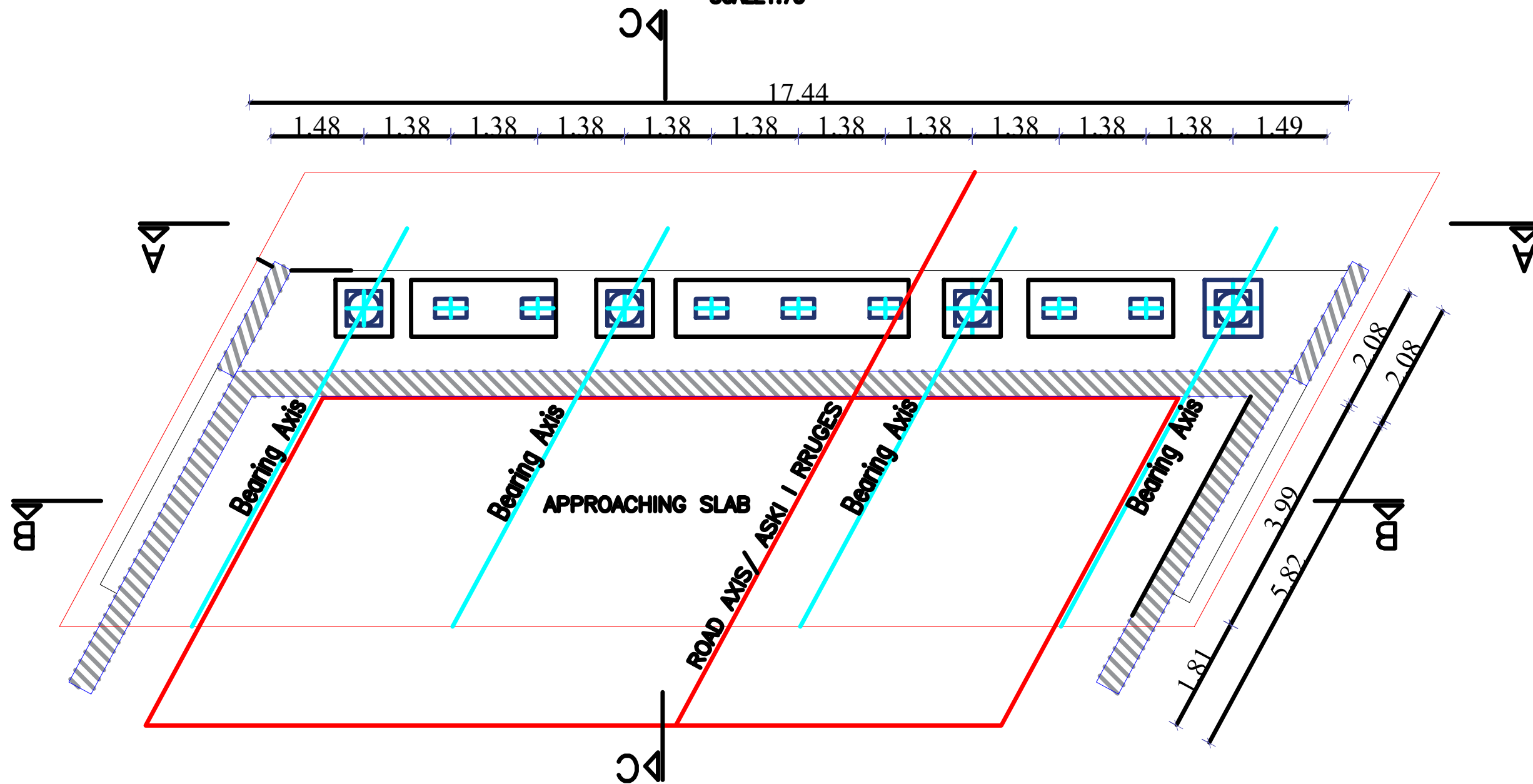
SHKALLA
 SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.2 (3)

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

BEARING PLAN OF ABUTMENT 1/PLANI I MBESHTETJEVE D-D
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 1 /
Bridge 5-Left, Abutment 1 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:75

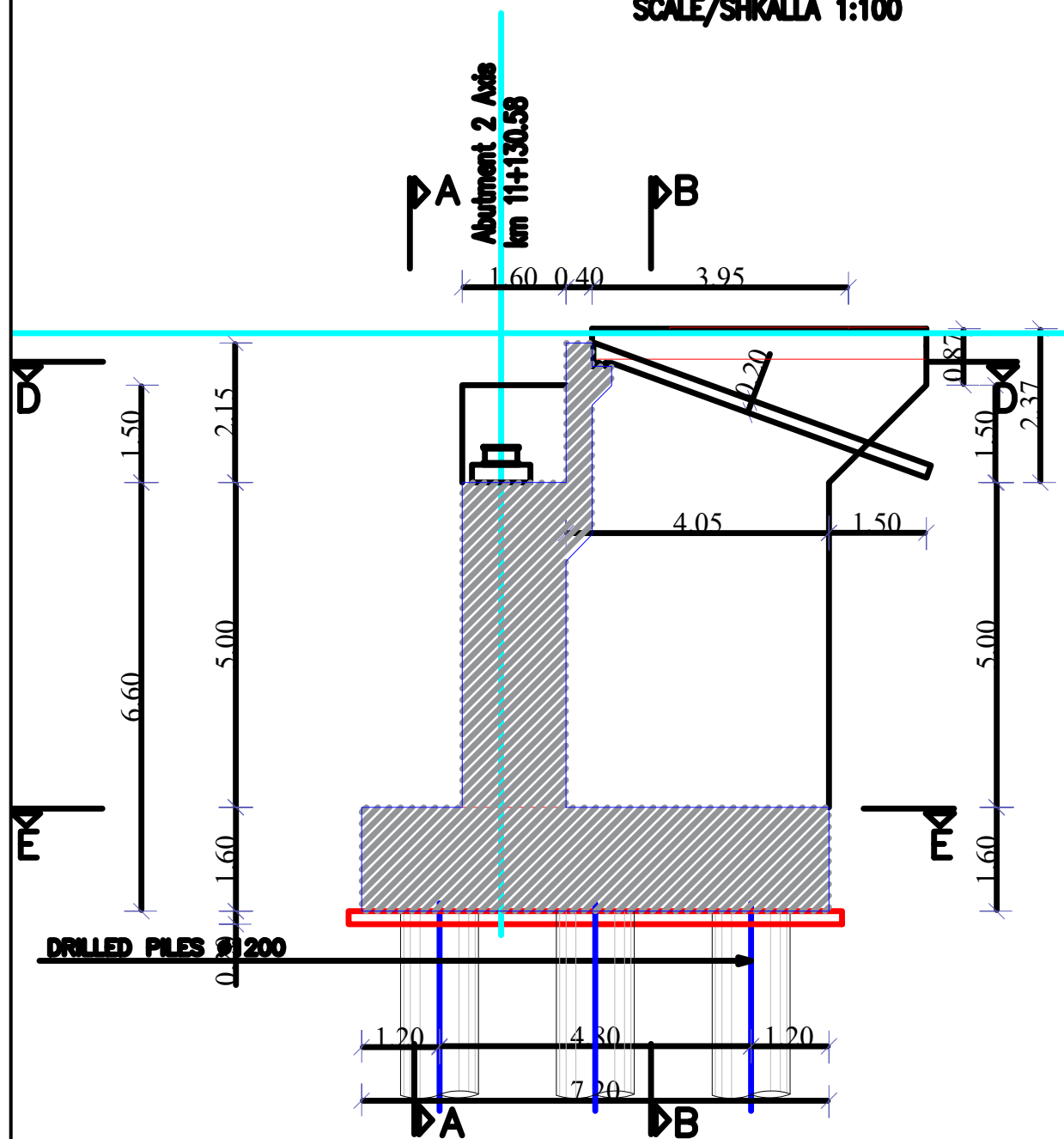
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.2 (4)

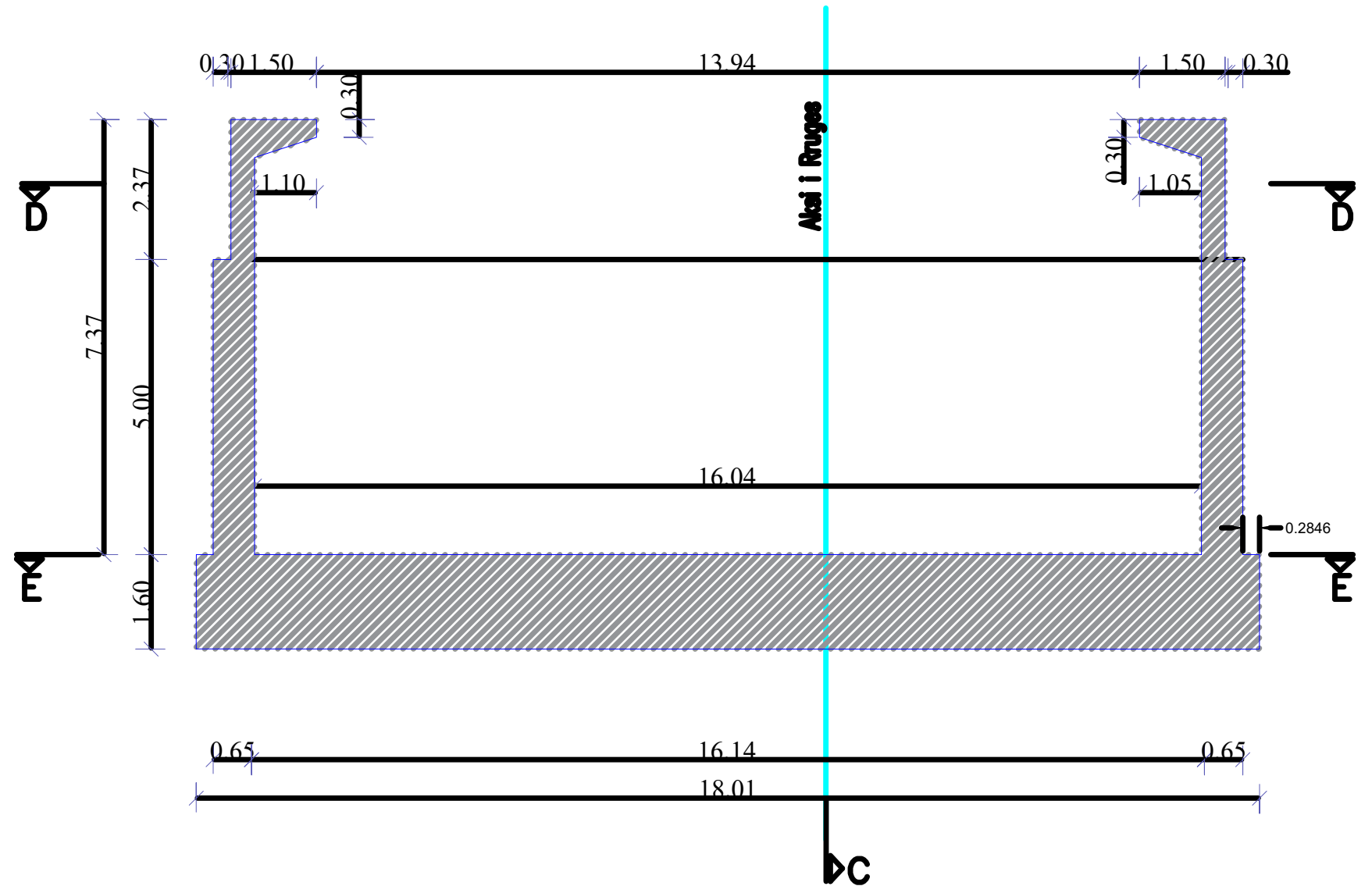
PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

SECTION/PRERJA C-C
SCALE/SHKALLA 1:100



SECTION/PRERJA B-B
SCALE/SHKALLA 1:100



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al

InfraKonsult
konsulence inzhinierie

HMK-CONSULTING SH.P.K
Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 2 / Bridge 5-Left, Abutment 2 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

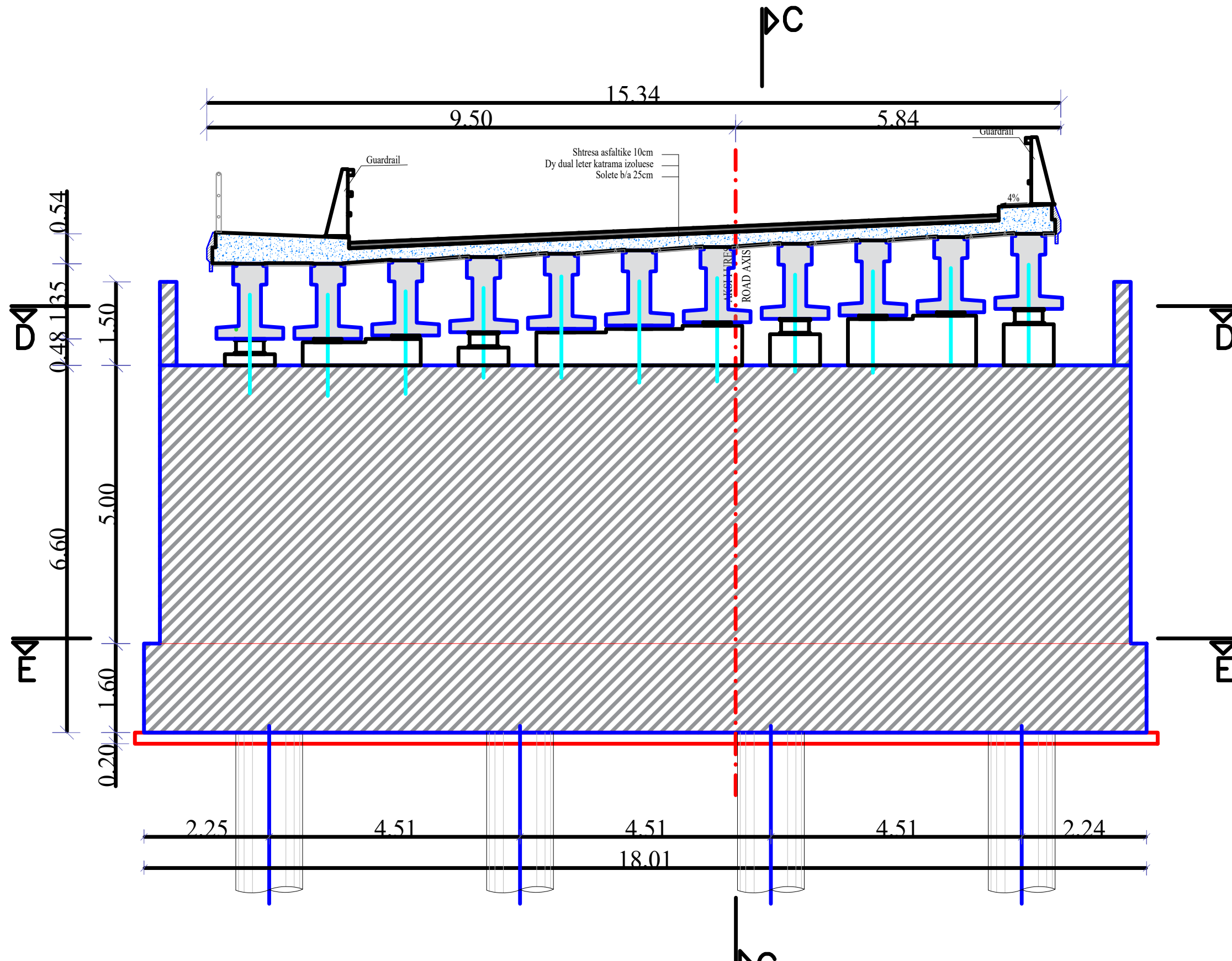
SHKALLA SCALE 1:100 Date: Tiranë 2023

VIZATIMI Nr: H.2 (5)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

ABUTEMENT FRONT VIEW/PAMJA BALLORE E BALLIT A-A SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 2 / Bridge 5-Left, Abutment 2 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:75 Date: Tiranë 2023

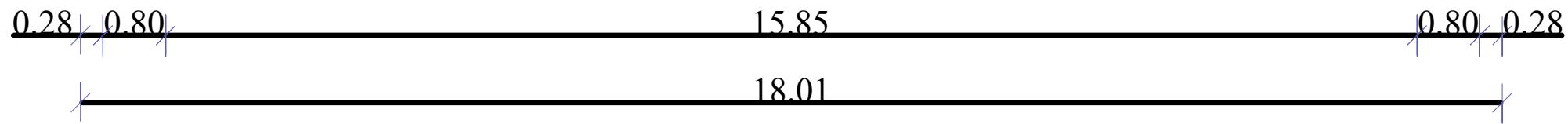
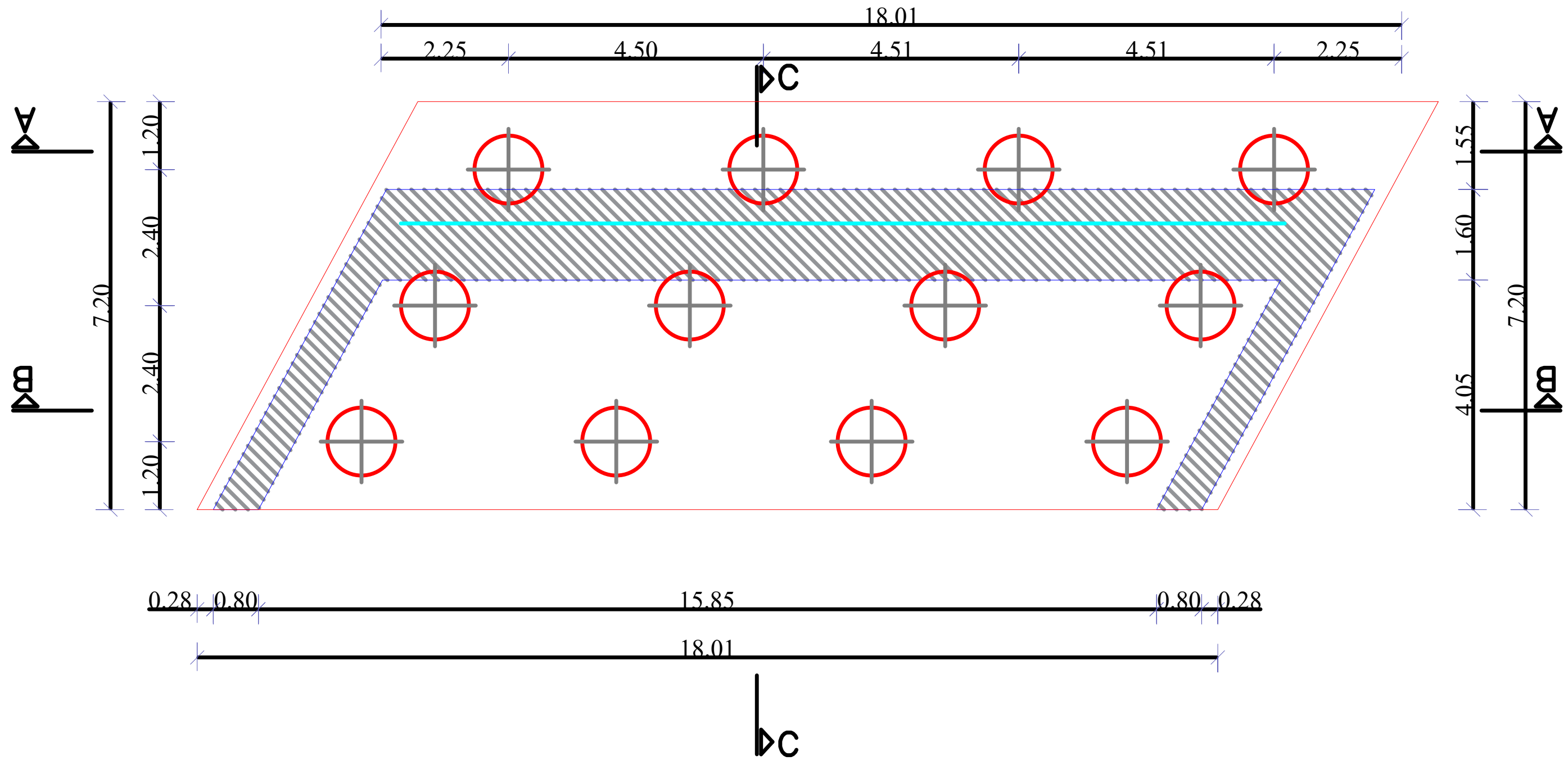
VIZATIMI Nr: H.2 (6)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

FOUNDATION PLAN/PLANI I THEMELIT E-E

SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 2 /
 Bridge 5-Left, Abutment 2 Geometry

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

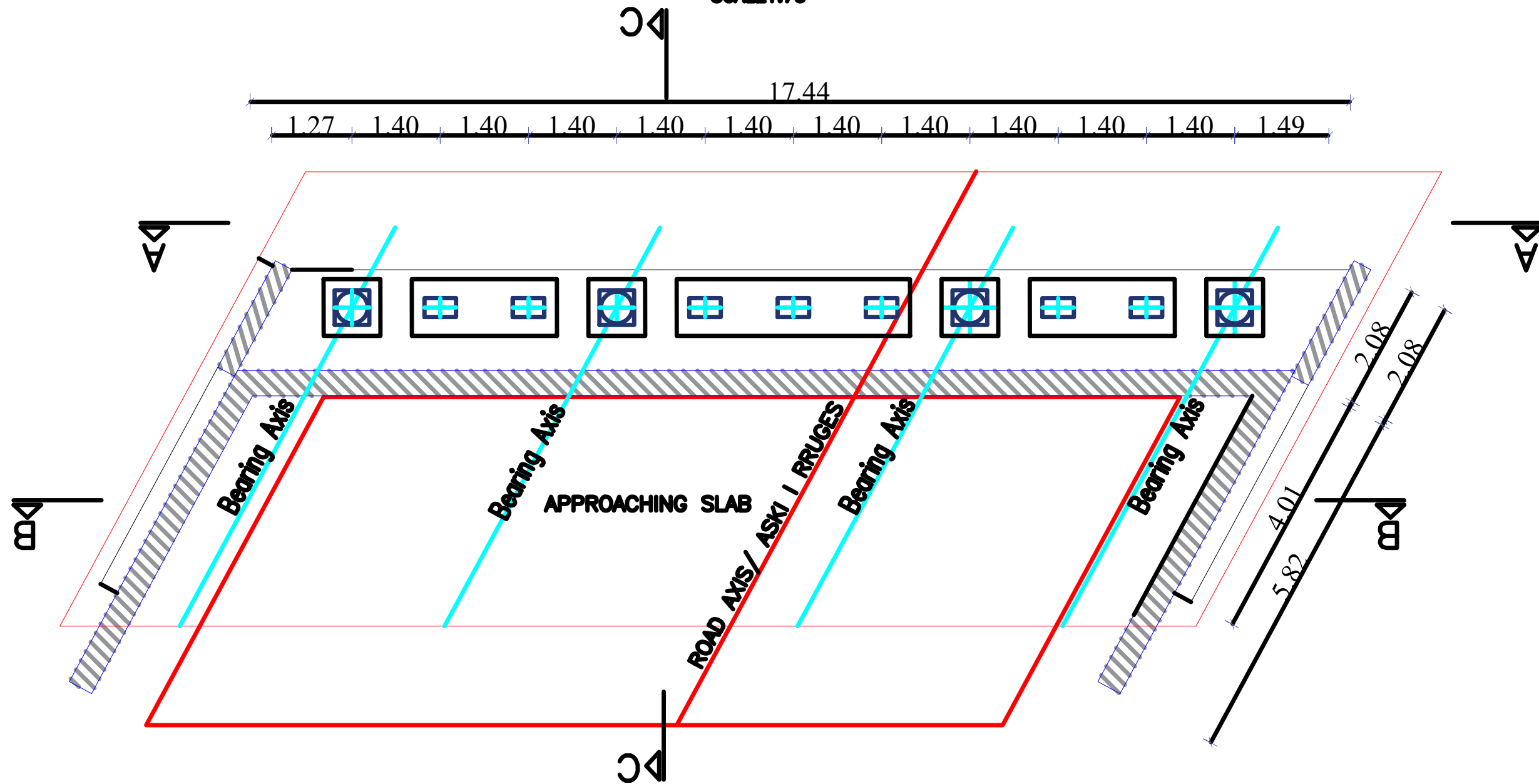
SHKALLA
 SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.2 (7)

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

BEARING PLAN OF ABUTMENT 1/PLANI I MBESHTETJEVE D-D
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Ballit 2 / Bridge 5-Left, Abutment 2 Geometry

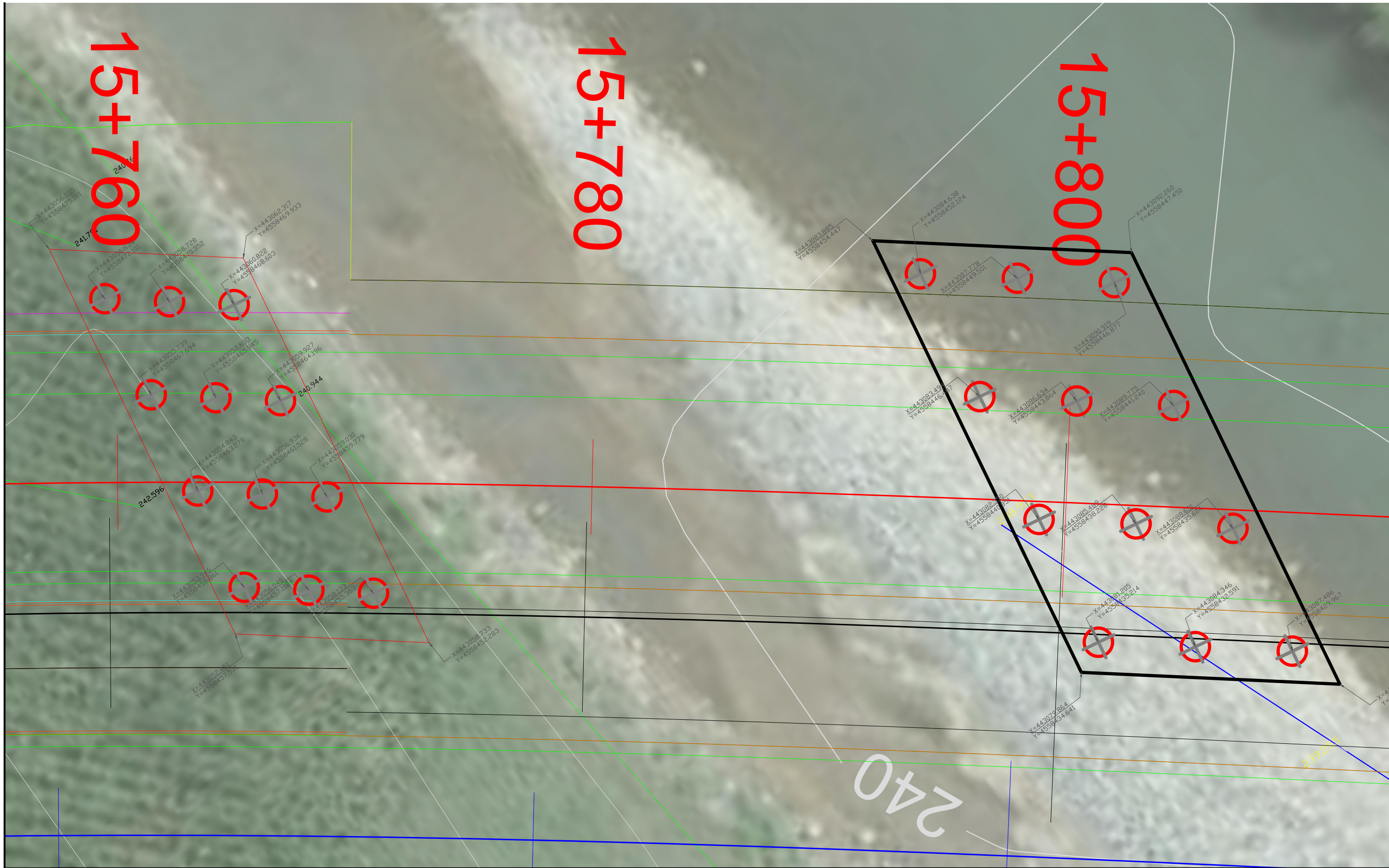
FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.2 (8)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence inzhinierie

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

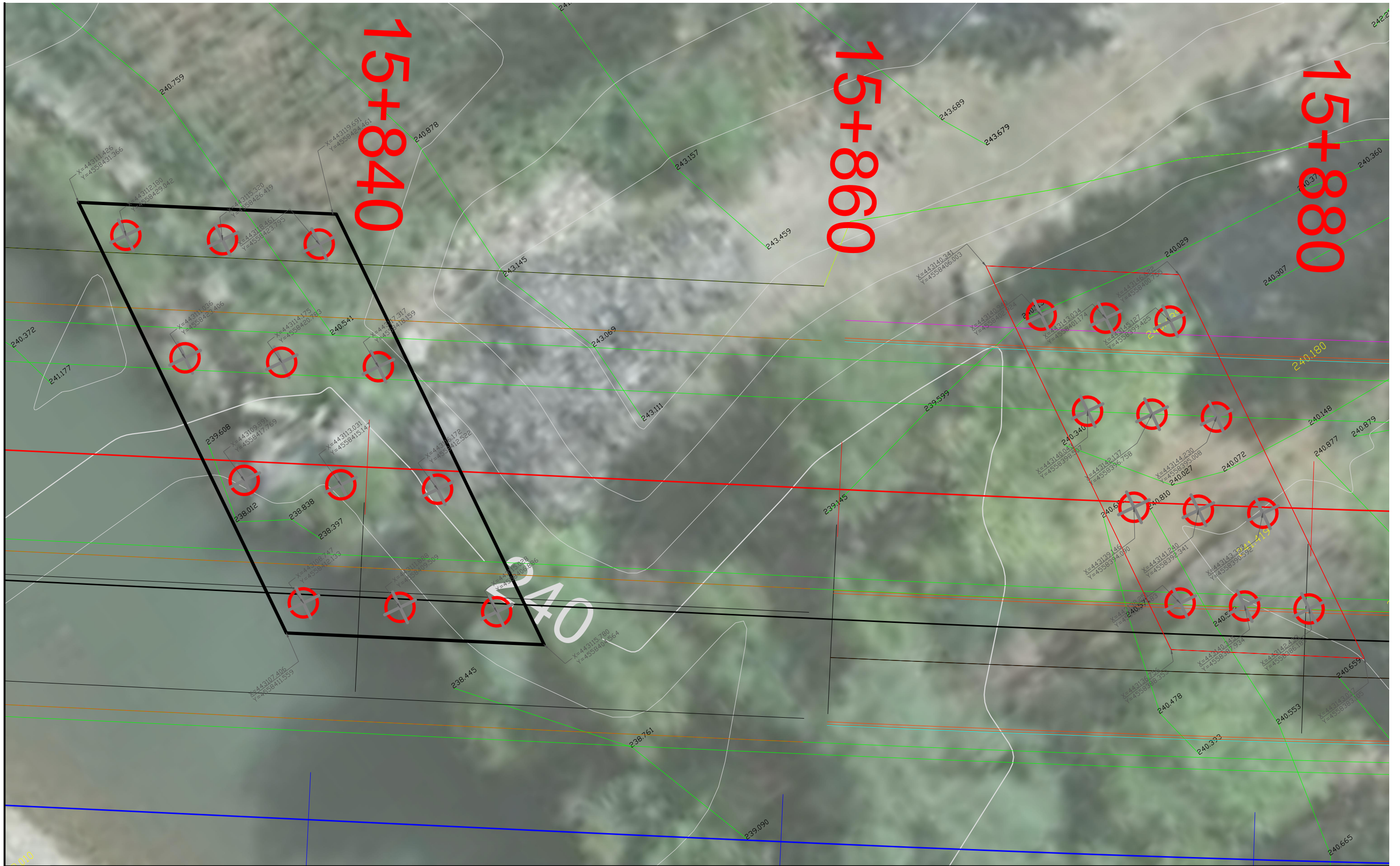
"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Plani i Themeleve / Bridge 5-Left, Foundation Planview

FAZA - PROJEKT ZBATIM PHASE - DETAIL DESIGN	
SHKALLA SCALE	1:150
Date:	Tiranë 2023
VIZATIMI Nr: PAGE	H.3 (1)

**PROJEKTUES
DESIGN ENGINEERS:**

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane

Mob: 04 222 3600
 E-mail: info@arsh.gov.al


 InfraKonsult
 konsulence inzhinierie


 HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Plani i Themeleve /
 Bridge 5-Left, Foundation Planview

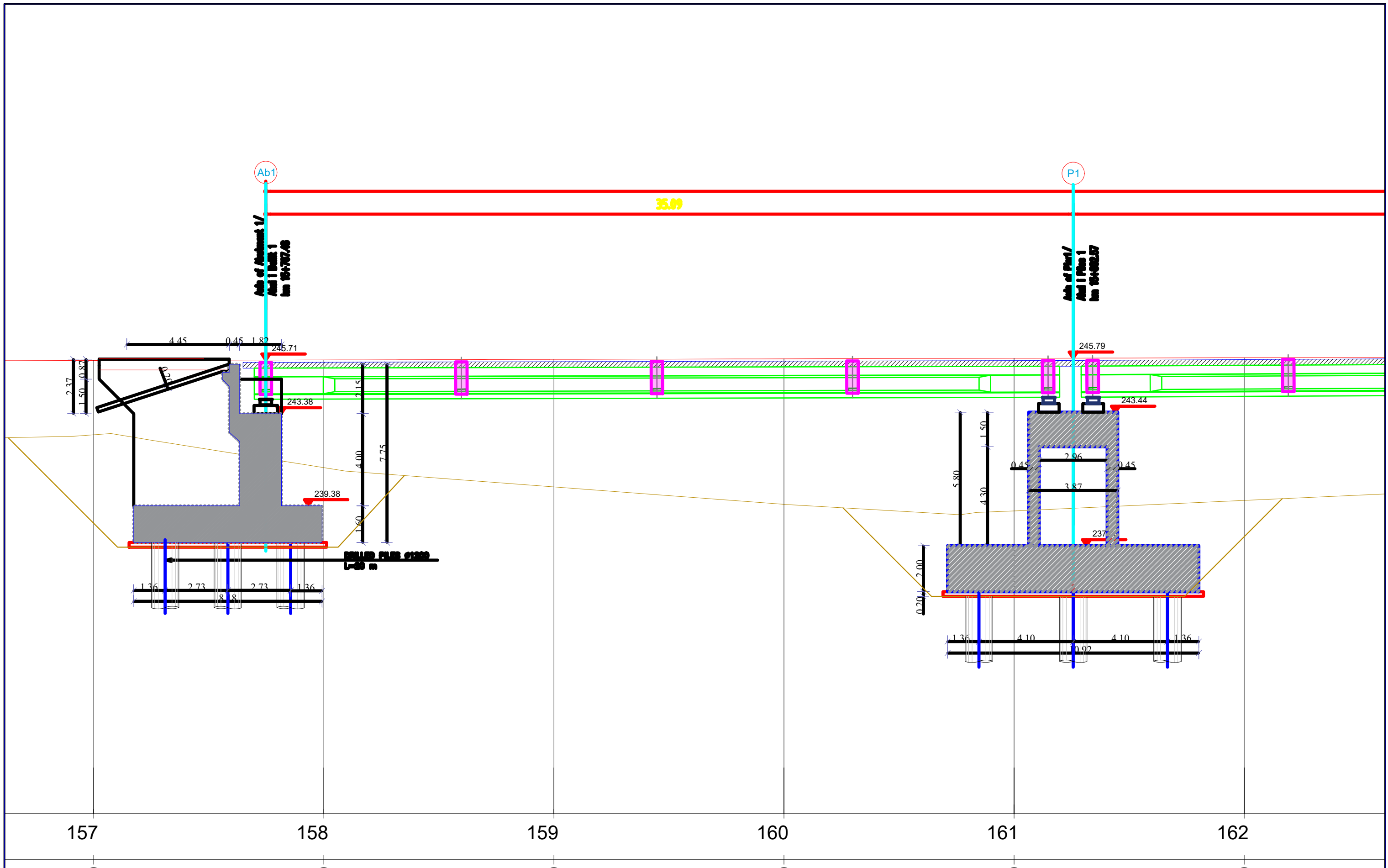
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:150 Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.3 (2)

PROJEKTUES
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence inzhinierie

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Profili gjatesor/
 Bridge 5-Left, Longitudinal Section

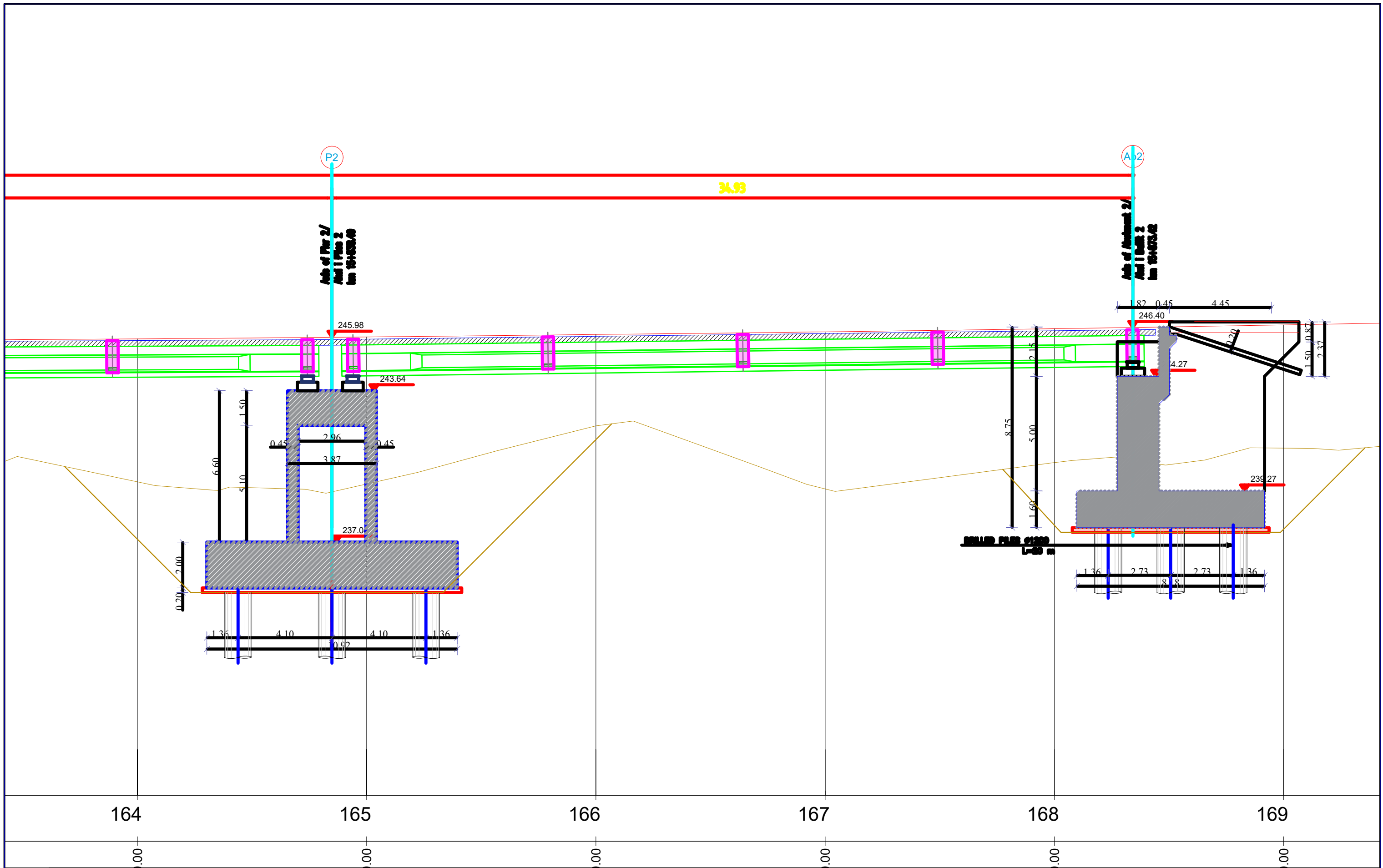
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:150 Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.4 (1)

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Profili gjatesor/
 Bridge 5-Left, Longitudinal Section

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:150

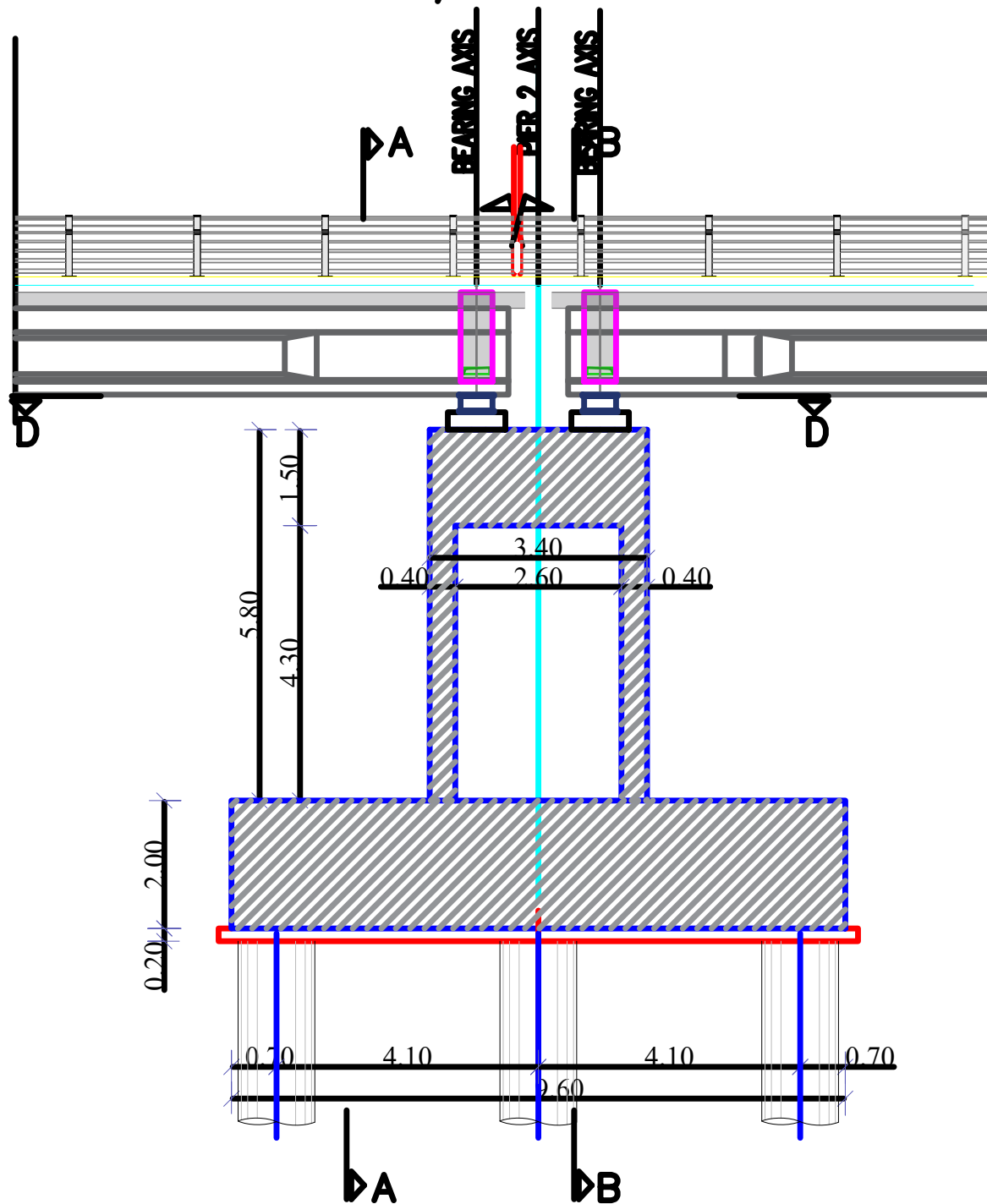
Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.4 (2)

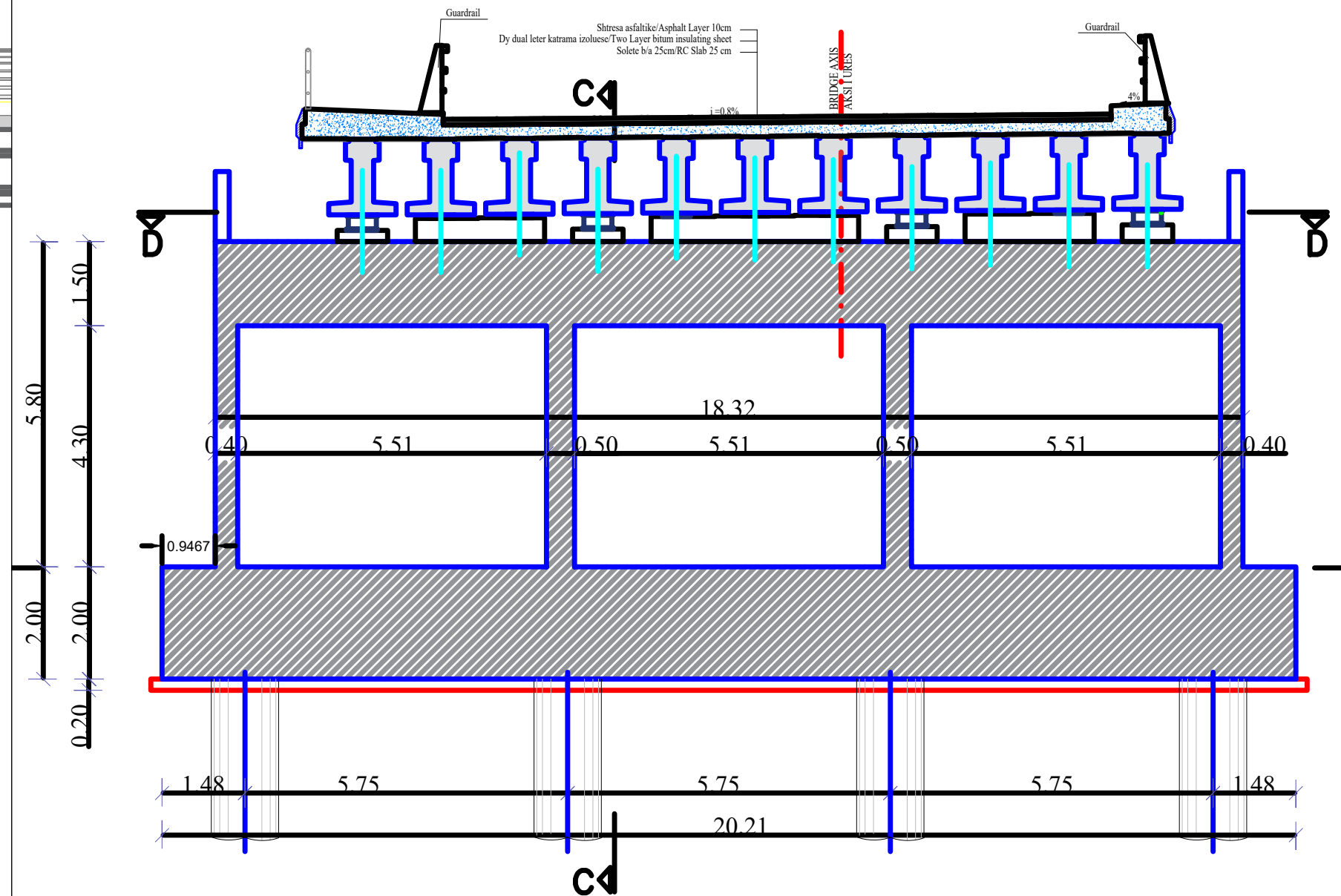
PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

PIER 1 SECTION C-C/PRERJA C-C E PILES 1
SCALE/SHKALLA 1:100



SECTION B-B OF PIER 1/PRERJA B-B E PILES 1
SCALE/SHKALLA 1:100



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasher", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 1 /
Bridge 5-Left, Pile 1 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:100

Date: Tiranë 2023

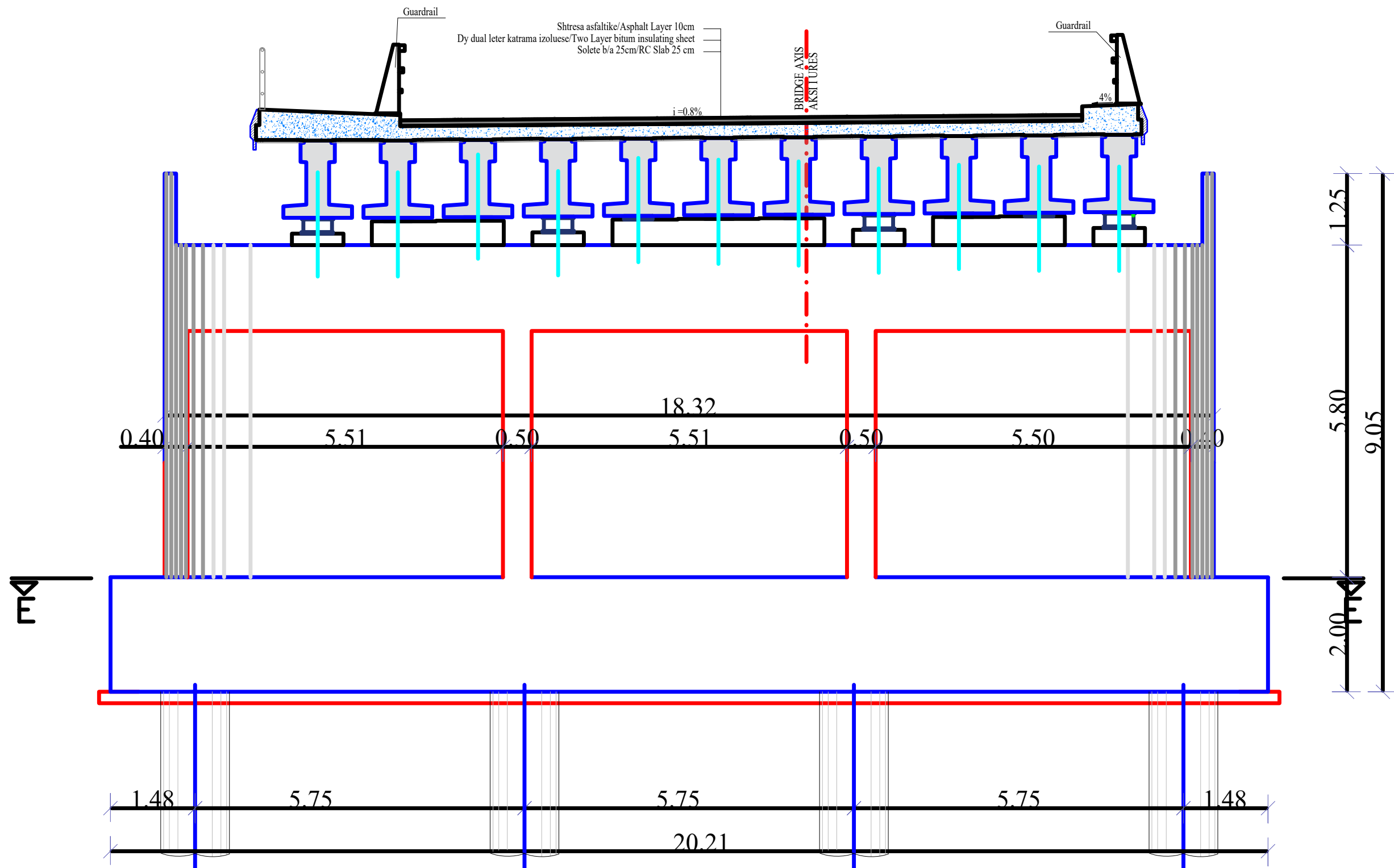
VIZATIMI Nr:
PAGE No: H.5 (1)

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

(Handwritten signatures)

PIER 3 FRONT VIEW A-A/PAMJA BALLORE A-A E PILES 3
SCALE/SHKALLA 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasher", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 1 /
 Bridge 5-Left, Pile 1 Geometry

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:75

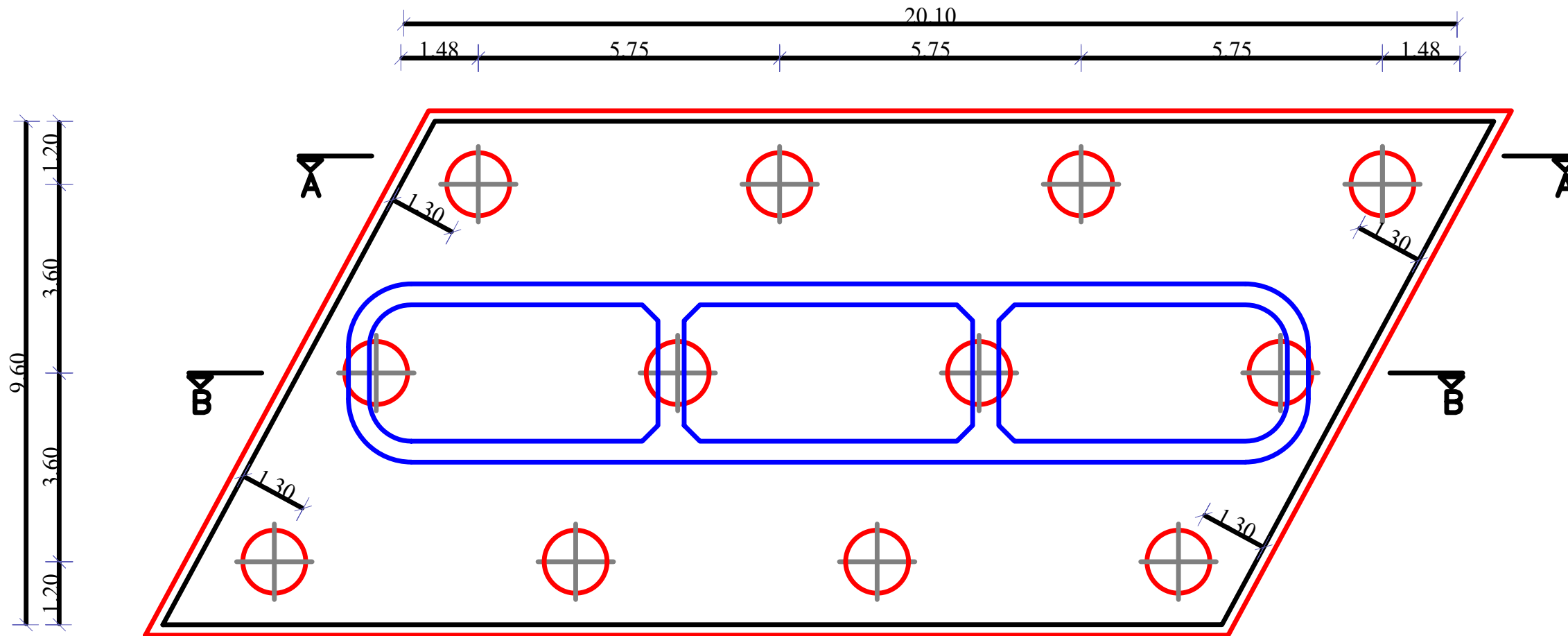
Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.5 (2)

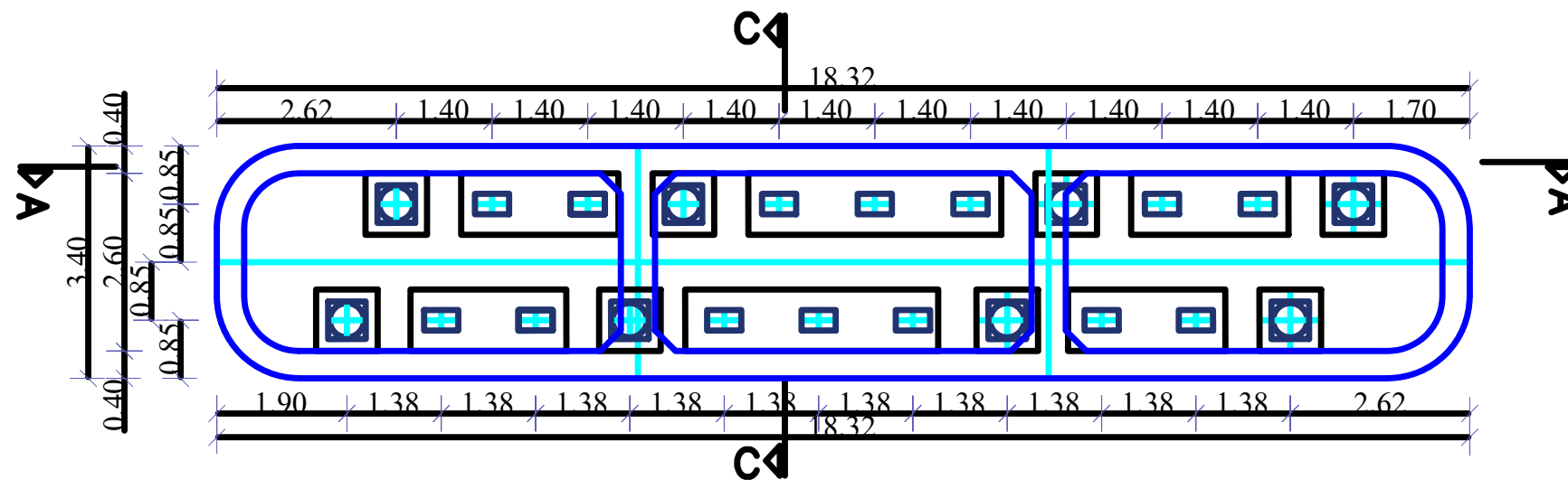
PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

FOUNDATION PLAN E-E OF PIER 1/PLANI I THMELEVE E-E TE PILES 1
SCALE 1:75



BEARING PLAN D-D OF PIER 1/PLANI I MBESHTETJEVE D-D TE PILES 1
SCALE/SHKALLA 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasher", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 1 /
Bridge 5-Left, Pile 1 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:100

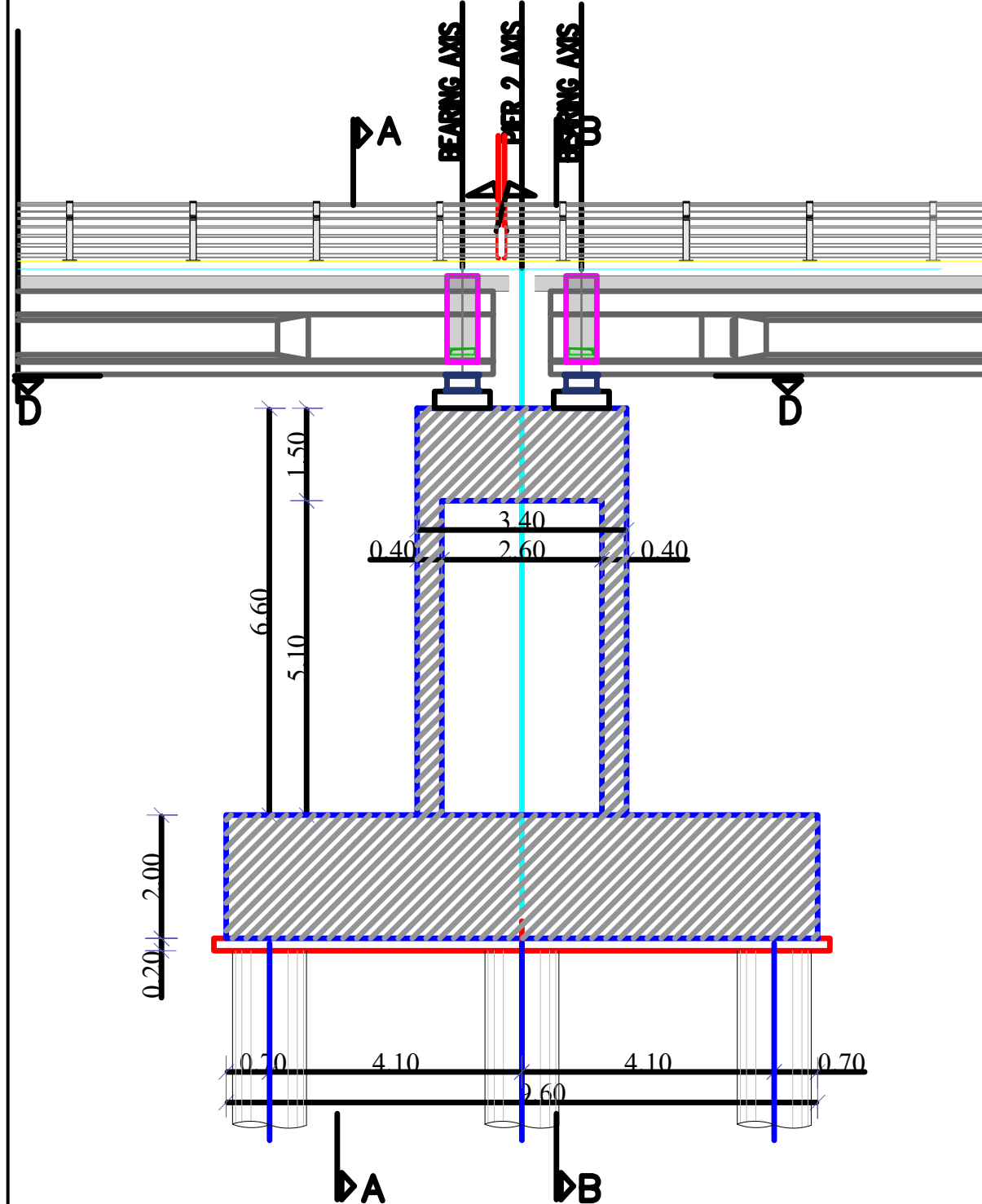
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.5 (3)

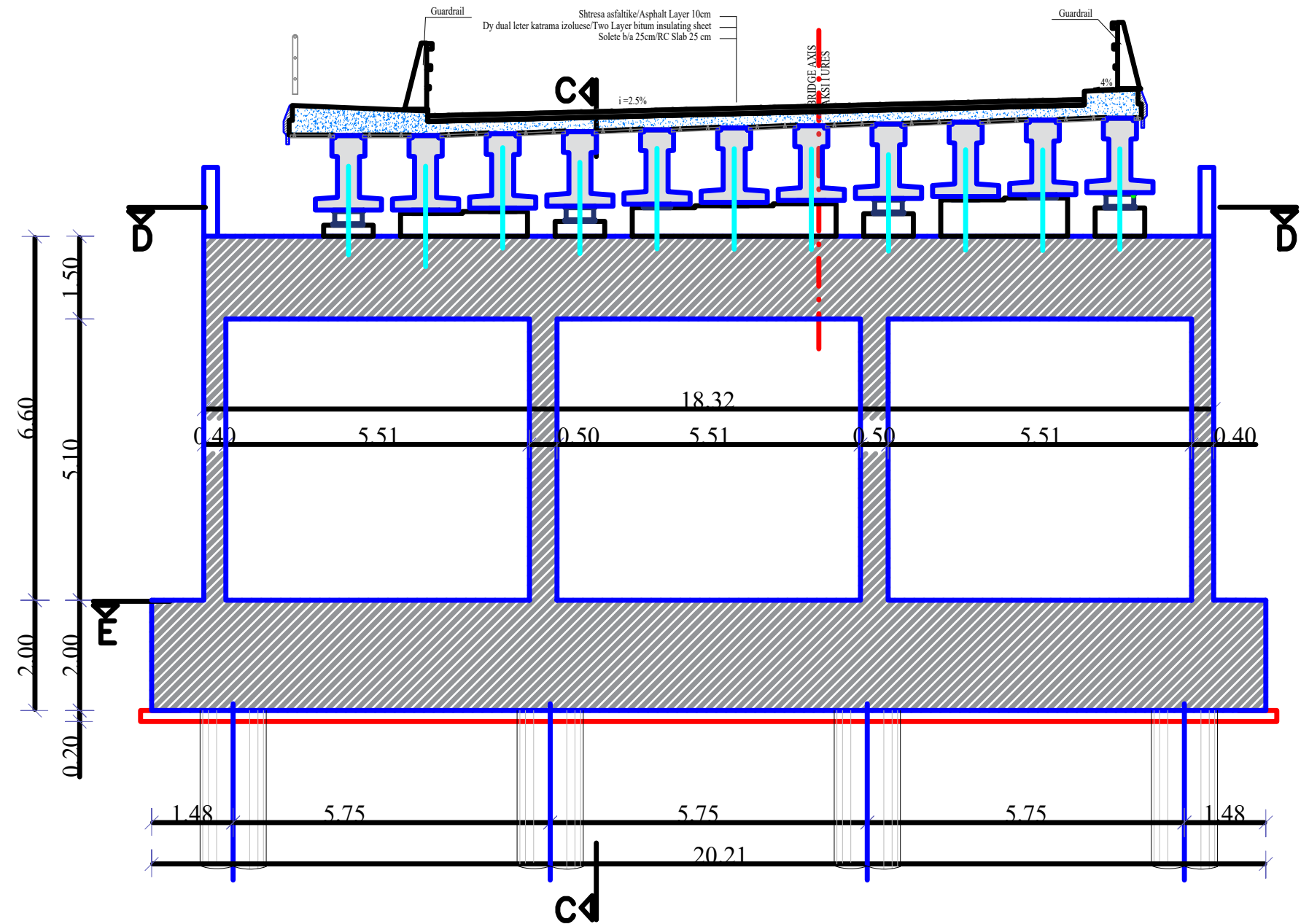
PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

PIER 1 SECTION C-C/PRERJA C-C E PILES 1
SCALE/SHKALLA 1:100



SECTION B-B OF PIER 1/PRERJA B-B E PILES 1
SCALE/SHKALLA 1:100



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 2 /
Bridge 5-Left, Pile 2 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:100

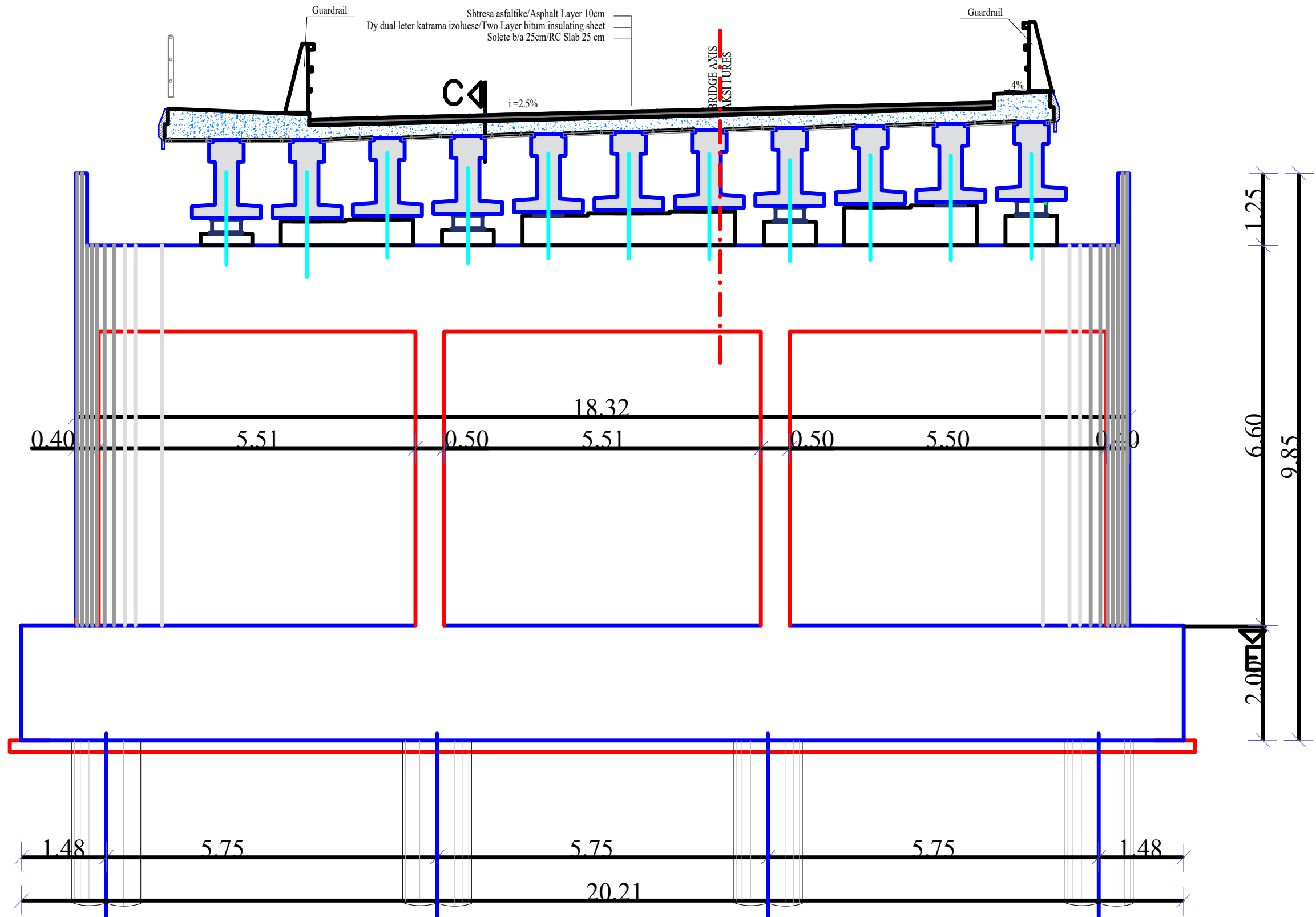
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.5 (4)

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

PIER 3 FRONT VIEW A-A/PAMJA BALLORE A-A E PILES 3
SCALE/SHKALLA 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 2 /
 Bridge 5-Left, Pile 2 Geometry

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:75

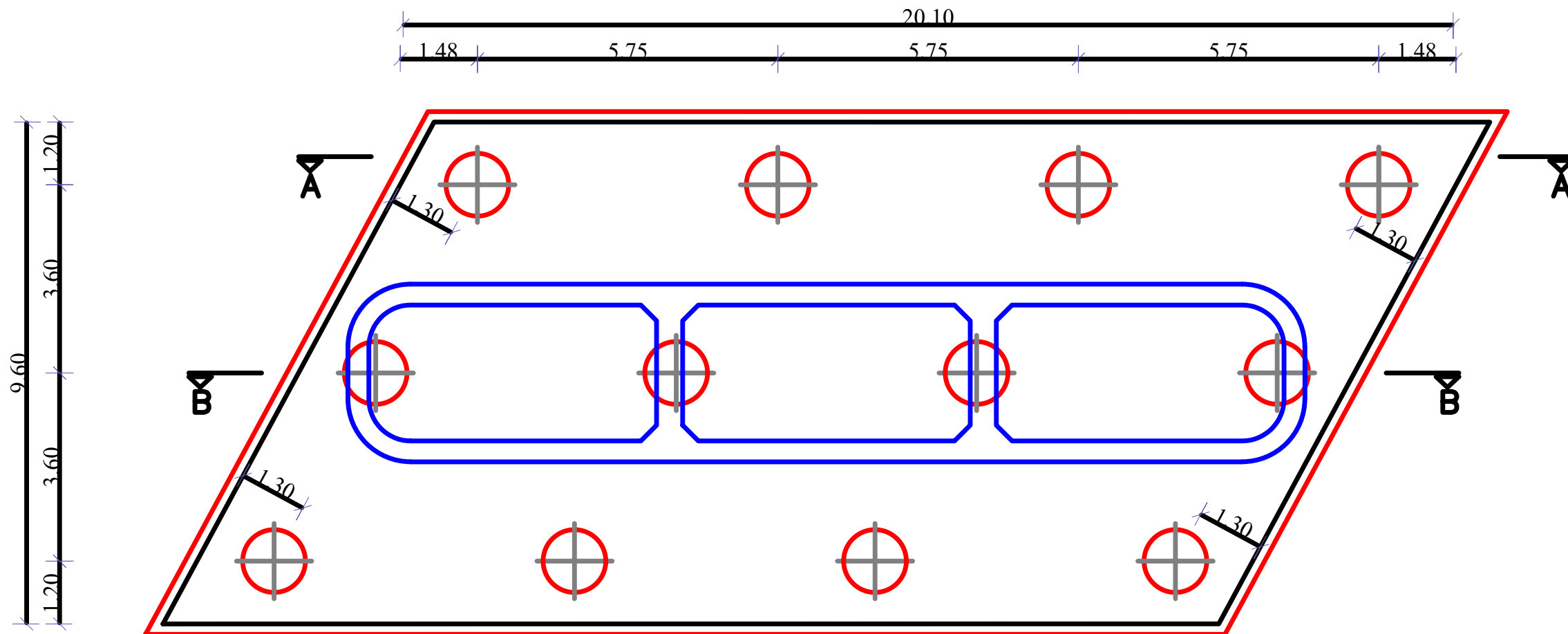
Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.5 (5)

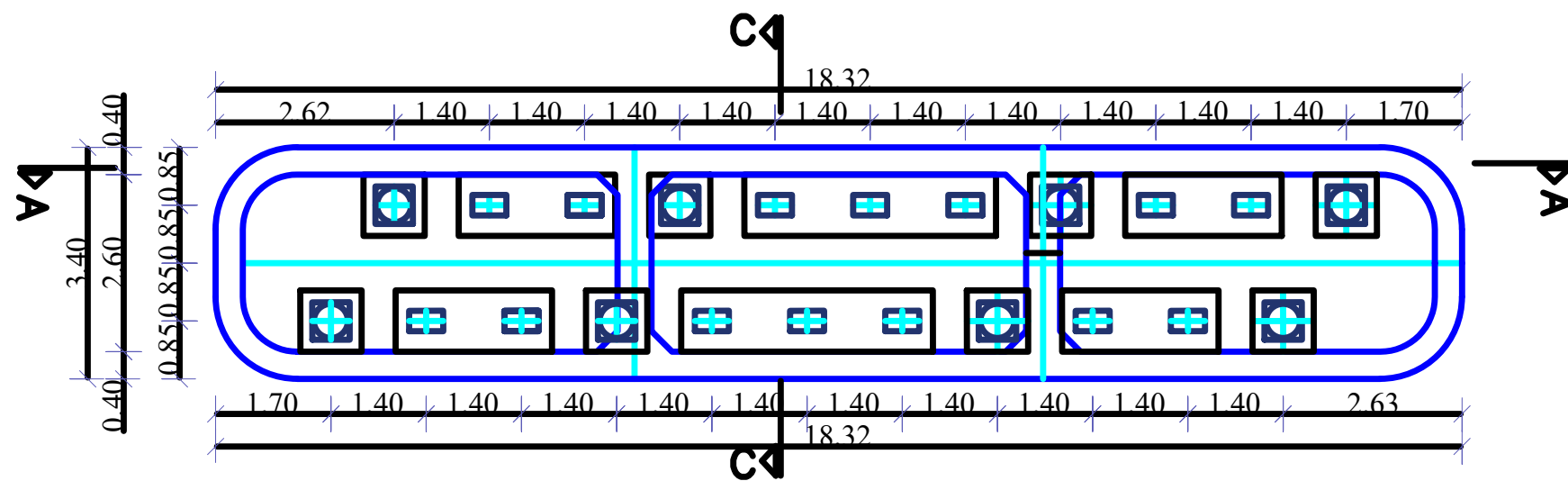
PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

FOUNDATION PLAN E-E OF PIER 1/PLANI I THMELEVE E-E TE PILES 1
SCALE/SHKALLA 1:75



BEARING PLAN D-D OF PIER 1/PLANI I MBESHTETJEVE D-D TE PILES 1
SCALE/SHKALLA 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Gjeometria e Piles 2 /
Bridge 5-Left, Pile 2 Geometry

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE

1:100

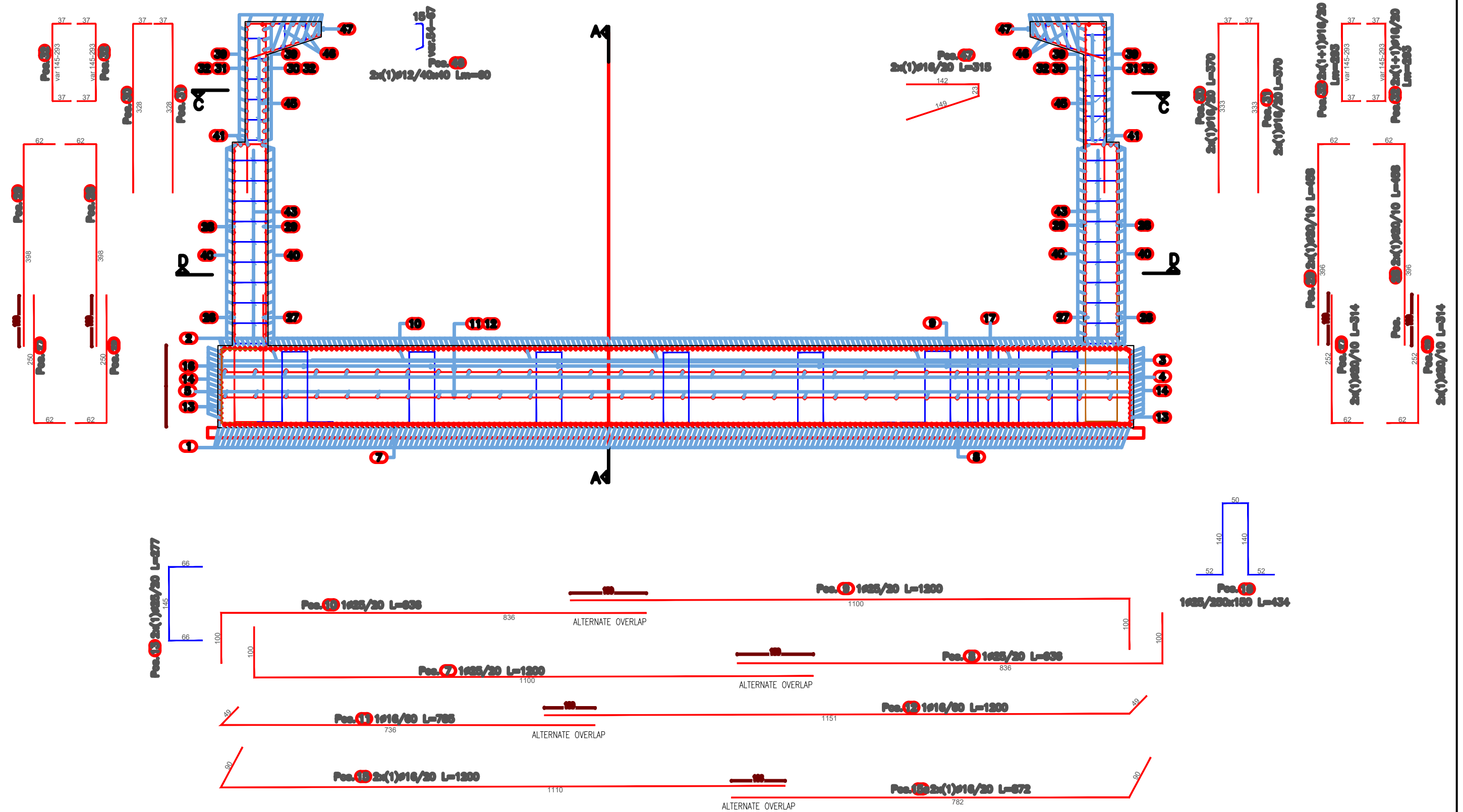
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.5 (6)

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

SECTION B-B REINFORCEMENT OF ABUTMENT 1/ARMIMI I PRERJES B-B E BALLIT 1
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al

InfraKonsult
konsulencë inxhinorike

HMK-CONSULTING SH.P.K
Konsulencë-Projektim-Mbikqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Ballit 1 / Bridge 5-Left, Abutment 1 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

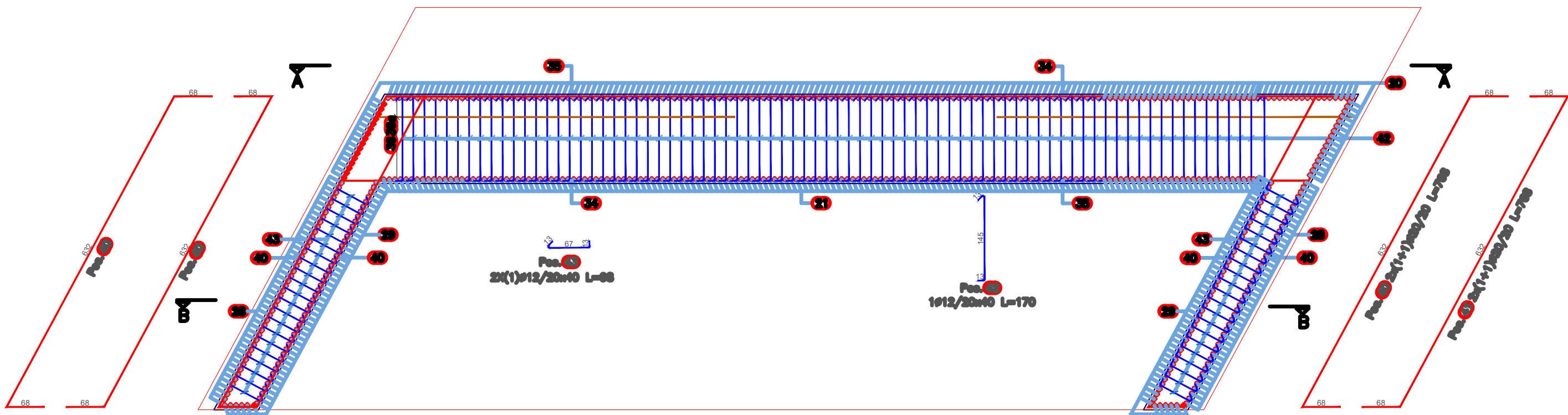
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.6 (2)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

SECTION D-D REINFORCEMENT OF ABUTMENT 1/ARMIMI I PRERJES D-D E BALLIT 1
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

InfraKonsult
konsulencë inzhinierike

HMK-CONSULTING SH.P.K
Konsulencë-Projektim-Mbikëqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)

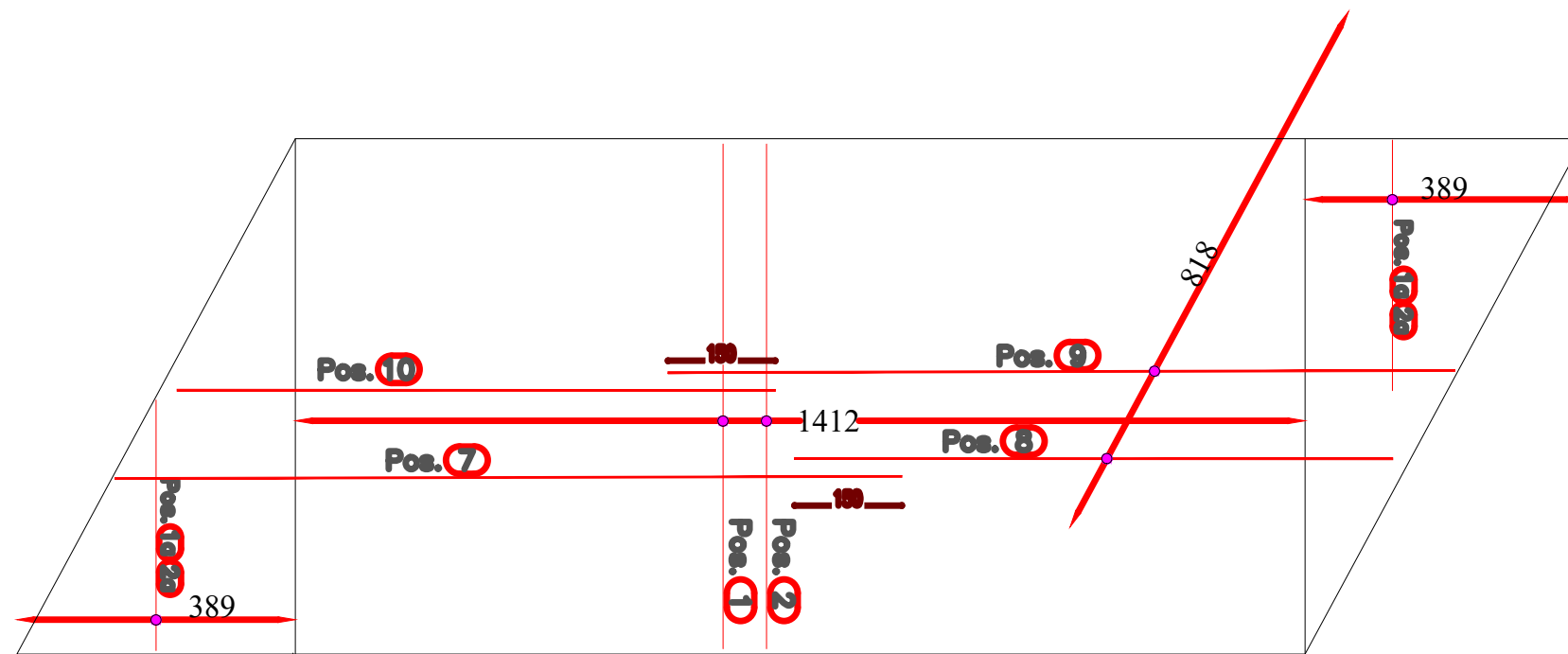
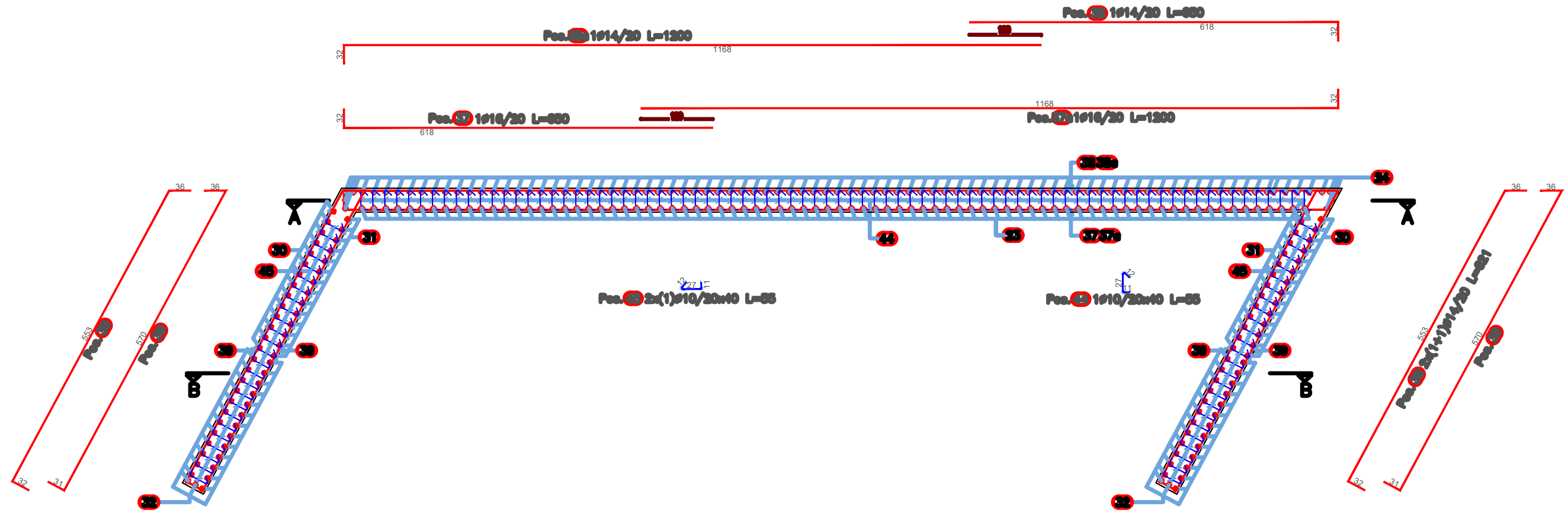
Ura 5-Majtas, Armimi i Ballit 1 / Bridge 5-Left, Abutment 1 Reinforcement

FAZA - PROJEKT ZBATIM PHASE - DETAIL DESIGN	
SHKALLA SCALE	1:75
VIZATIMI Nr: PAGE No:	H.6 (3)
Date:	Tiranë 2023

**PROJEKTUES:
DESIGN ENGINEERS:**

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

SECTION C-C REINFORCEMENT OF ABUTMENT 1/ARMMI I PRERJES C-C E BALLIT 1
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)
Ura 5-Majtas, Armimi i Ballit 1 / Bridge 5-Left, Abutment 1 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

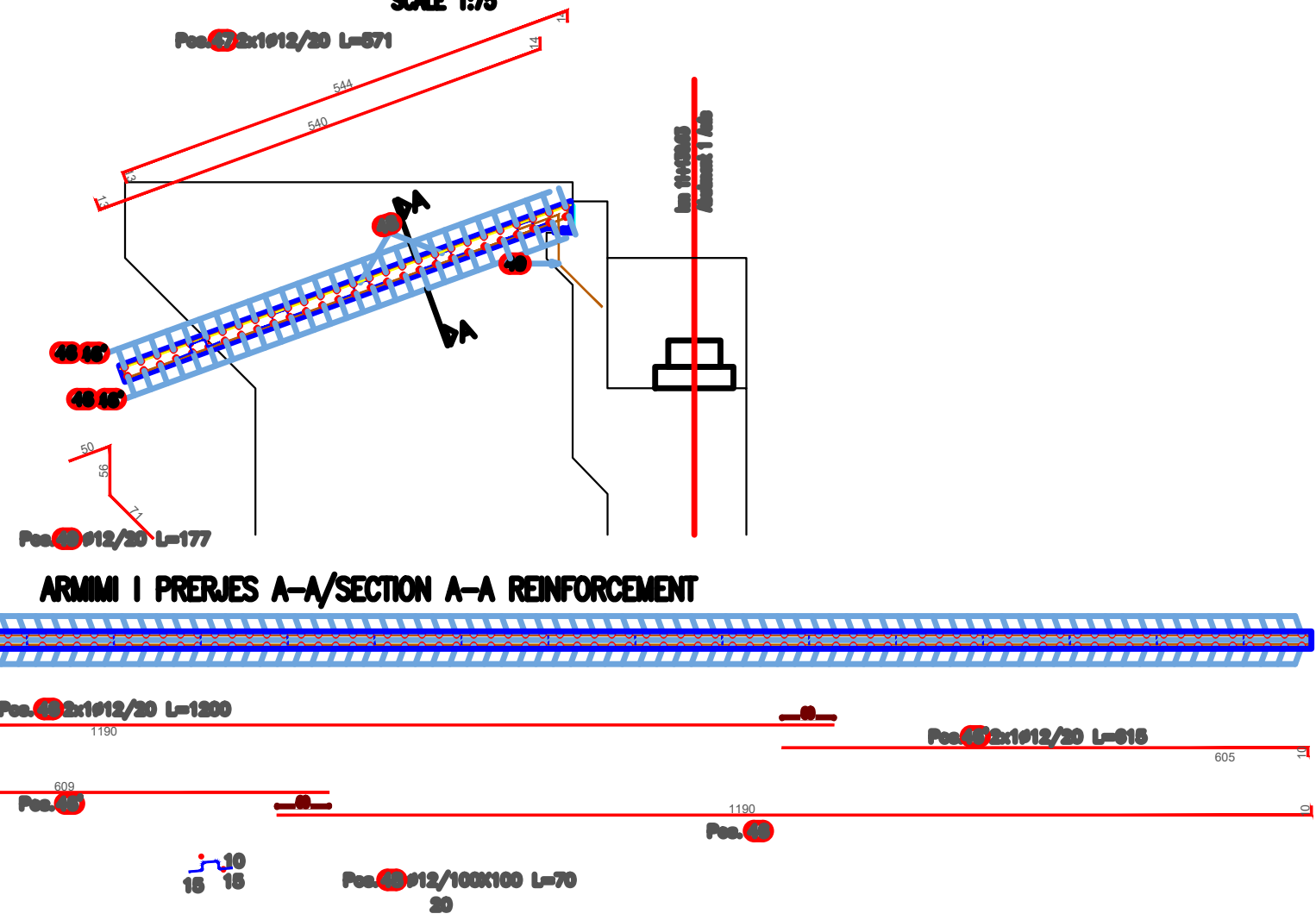
SHKALLA	1:75	Date: Tiranë 2023
SCALE	1:100	
VIZATIMI Nr:	H.6 (4)	
PAGE No:		

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

APPROACHING SLAB/SOLETA RAKORDUESE

SCALE 1:75



ARMIMI I PRERJES A-A/SECTION A-A REINFORCEMENT

APPROACHING SLAB/SOLETA RAKORDUESE

Element/Elementi: Approaching slab/Soleta Rakorduese

Position/ Pozicioni	Pieces/C ope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
46	56	12	1200	672.00	0.887	596
46'	56	12	615	344.40	0.887	306
47	176	12	571	1004.96	0.887	892
48	85	12	70	59.50	0.887	53
49	87	12	177	153.99	0.887	137
Σ (kg)						1983

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al

InfraKonsult
 konsulence Inzhinierike

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Tabela e Armature te Ballit 1 dhe Armimi i soletes rakorduese/
 Bridge 5-Left, Abutment 1 Bar specification and approaching slab reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:75 Date: Tiranë 2023

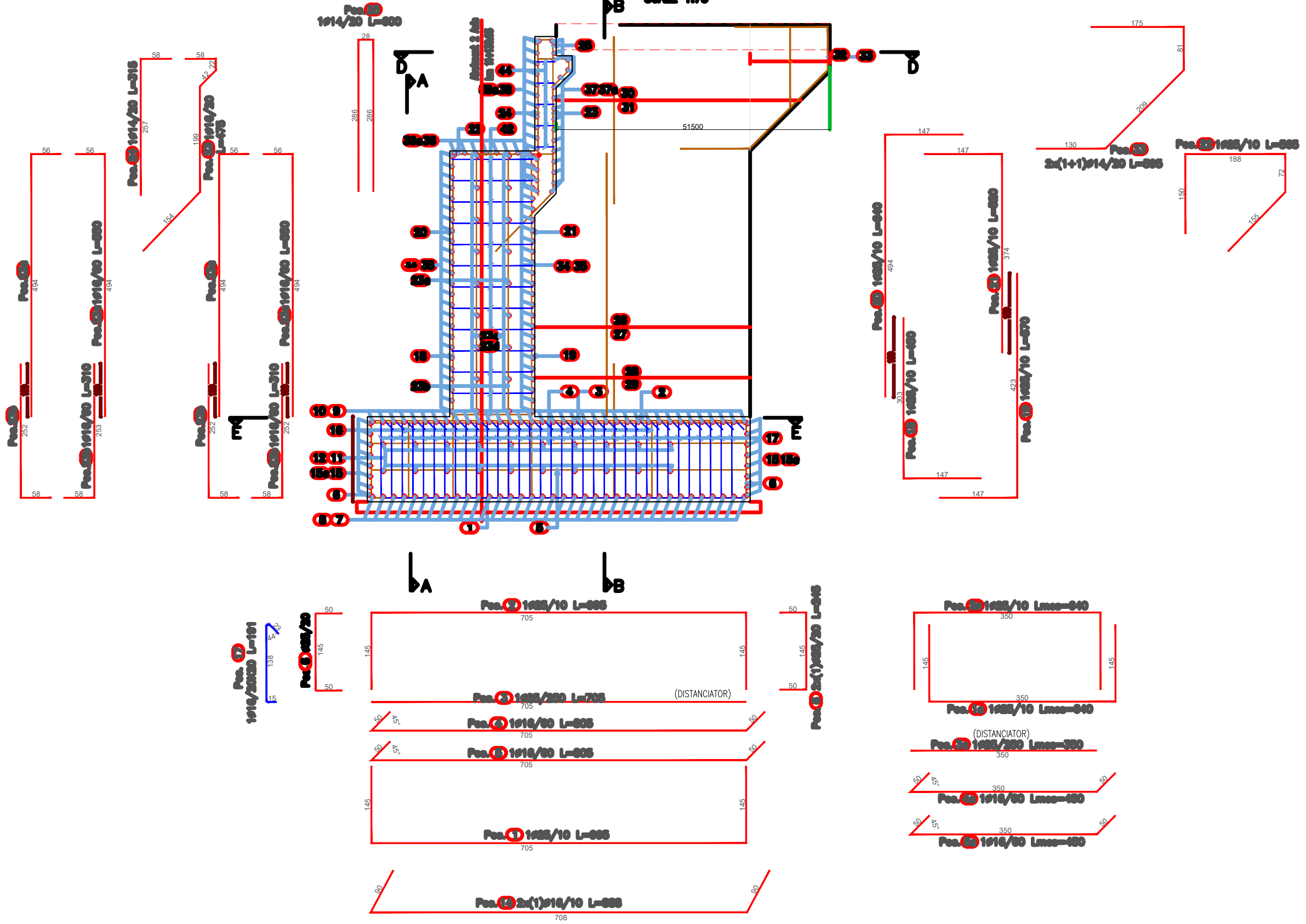
VIZATIMI Nr: H.6 (5)
 PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

SECTION A-A REINFORCEMENT OF ABUTMENT 2/ARMIMI I PRERJES A-A E BALLIT 2

SCALE 1:75



OVERLAP ALTERNATION

Legjenda:

Diametri i këmbit të shufrave d_s :

d_s Shufrë ≤ 20	d_s gr 40
d_s Shufrë $20 - 25$	d_s gr 70

SHENIM:
 - Shufrat e këmbit të shufrave 20A.
 - Të shprehura në centimetra.

TABLE OF MATERIALS/TABELA E MATERIALEVE:

CONCRETE/BETONI:
 According to UNI EN -206
 LEAN CONCRETE/BETON I VARFËR:
 - Class/Klasa C12/15
 - Exposure Class/Klasa e ekspozimit XC0

FOUNDATIONS OF PIERS AND ABUTMENTS/Themeli i pilave dhe ballnave
 - Class/Klasa C30/37
 - Exposure Class/Klasa e ekspozimit XC2

ABUTMENT AND PIER ELEVATION/TRUPI I BALLNAVE DHE PILAVE
 - Class/Klasa C30/37
 - Exposure Class/Klasa e ekspozimit XF2

REINFORCED CONCRETE DECK, KERBS, LEVELING PADS
 - Class/Klasa C30/37
 - Exposure Class/Klasa e ekspozimit XF4

REINFORCED CONCRETE BEAMS/TRARE BETONARME
 - Class/Klasa C45/55
 - Exposure Class/Klasa e ekspozimit XC4

REINFORCED CONCRETE TRANSVERSE BEAMS/DIAFRAGMAT BETONARME
 - Class/Klasa C30/37

NOMINAL CONCRETE COVER/SHTRESAT MBROJTESE

Slab deck/Soleta	Cnom.= 35.0 mm
Beam/Trau	Cnom.= 40.0 mm
Elevation/Muret	Cnom.= 40.0 mm
Foundation/Themeli	Cnom.= 70.0 mm

REINFORCEMENT STEEL/CELIKU
 Grade/Grada B500C
 Yield strength/Rez ne rrjedhshmeri $f_{yk} \geq 540$ MPa
 Ultimate tensile strength/Rez ne terheqje $f_{tk} \geq 500$ MPa

PRESTRESSED TENDONS/KAVOT E PARANDERURA
 $f_{ptk} \geq 1860$ N/mm
 $f_{p1k} \geq 1670$ N/mm

NOTE/SHENIM:
 Dimentions are given in cm, bars are given in cm.
 Dimensionet dhe gjatësitë e shufrave janë të dhëna në cm.

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al

InfraKonsult
 konsultance Inzhinierike

HMK-CONSULTING SH.P.K
 Konsultance-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Ballit 2 / Bridge 5-Left, Abutment 2 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

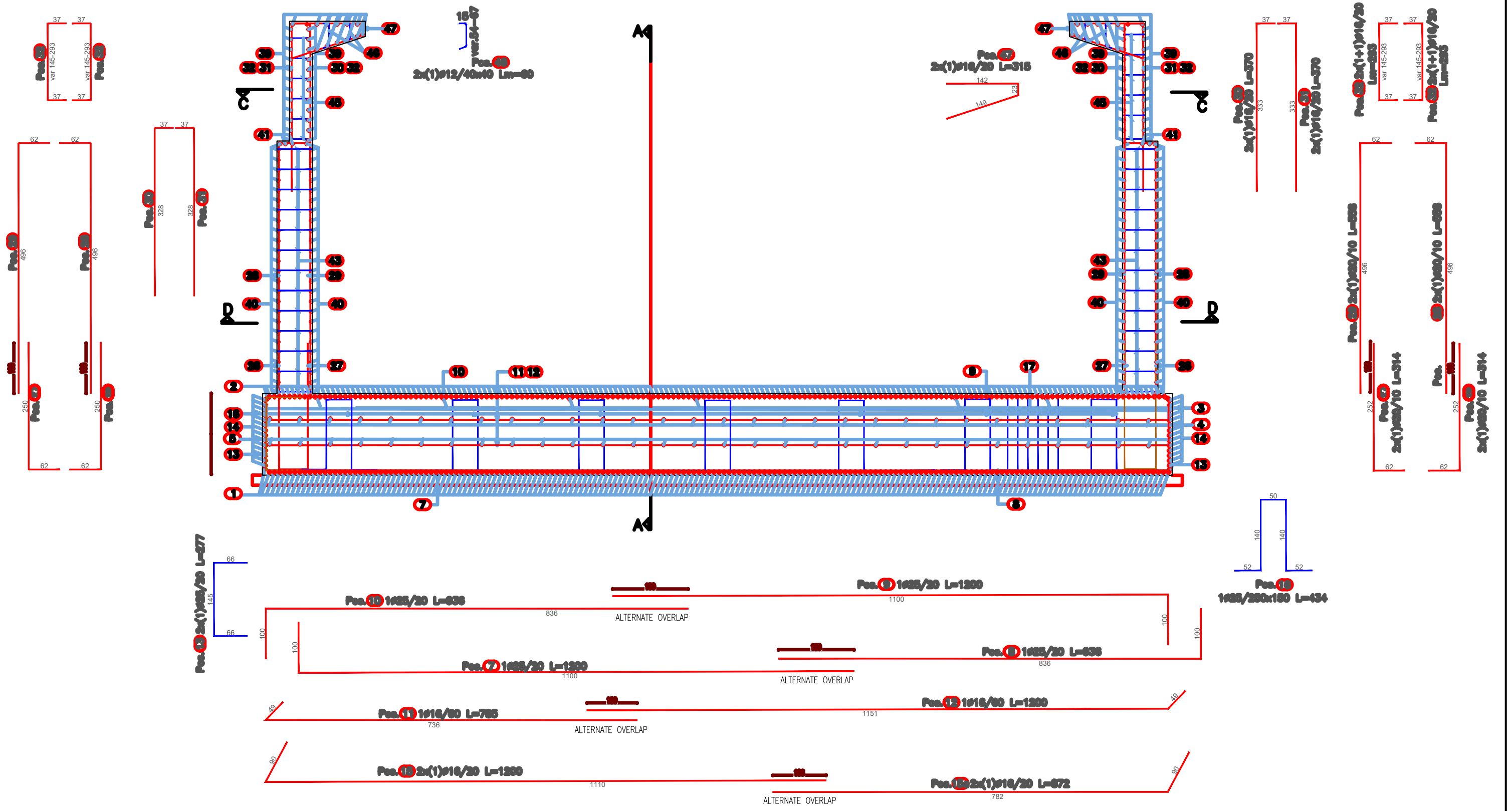
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.6 (6)
 PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

SECTION B-B REINFORCEMENT OF ABUTMENT 2/ARMIMI I PRERJES B-B E BALLIT 2
SCALE 1:50



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arsh.gov.al

InfraKonsult
konsulencë inzhinierie

HMK-CONSULTING SH.P.K
Konsulencë-Projektim-Mbikëqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Ballit 2 / Bridge 5-Left, Abutment 2 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

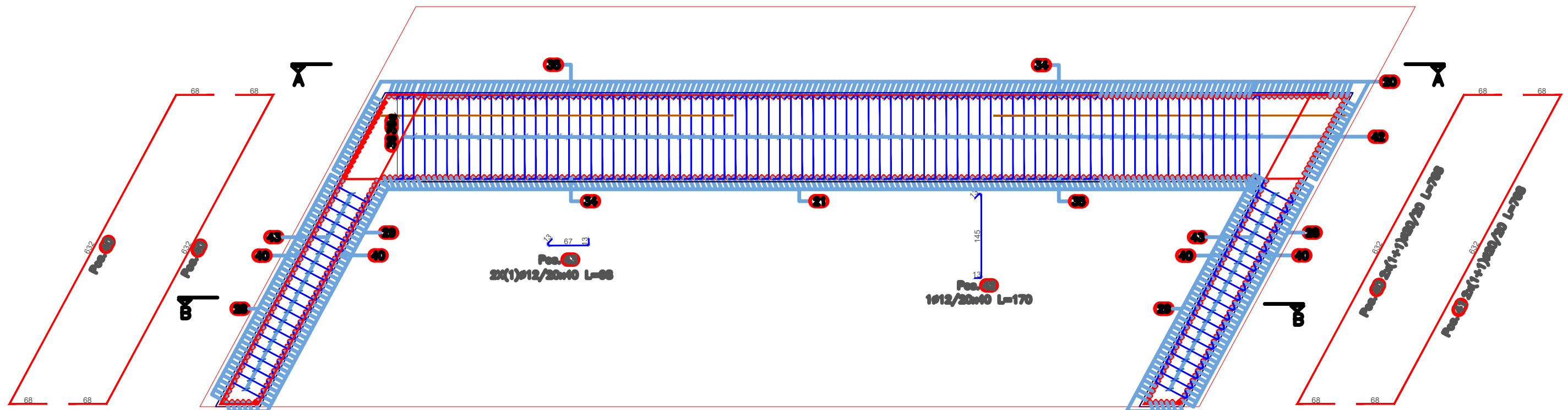
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.6 (7)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

SECTION D-D REINFORCEMENT OF ABUTMENT 2/ARMIMI I PRERJES D-D E BALLIT 2
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Armimi i Ballit 2 /
 Bridge 5-Left, Abutment 2
 Reinforcement

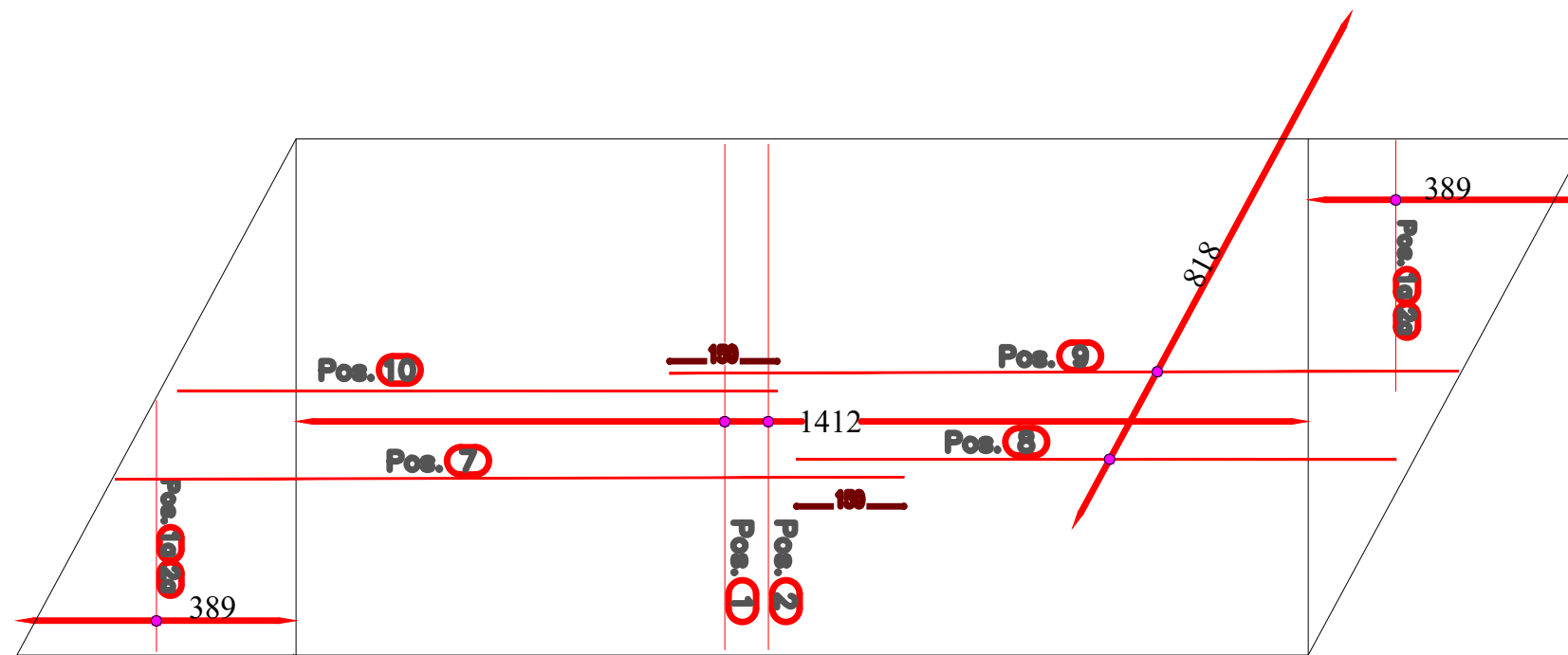
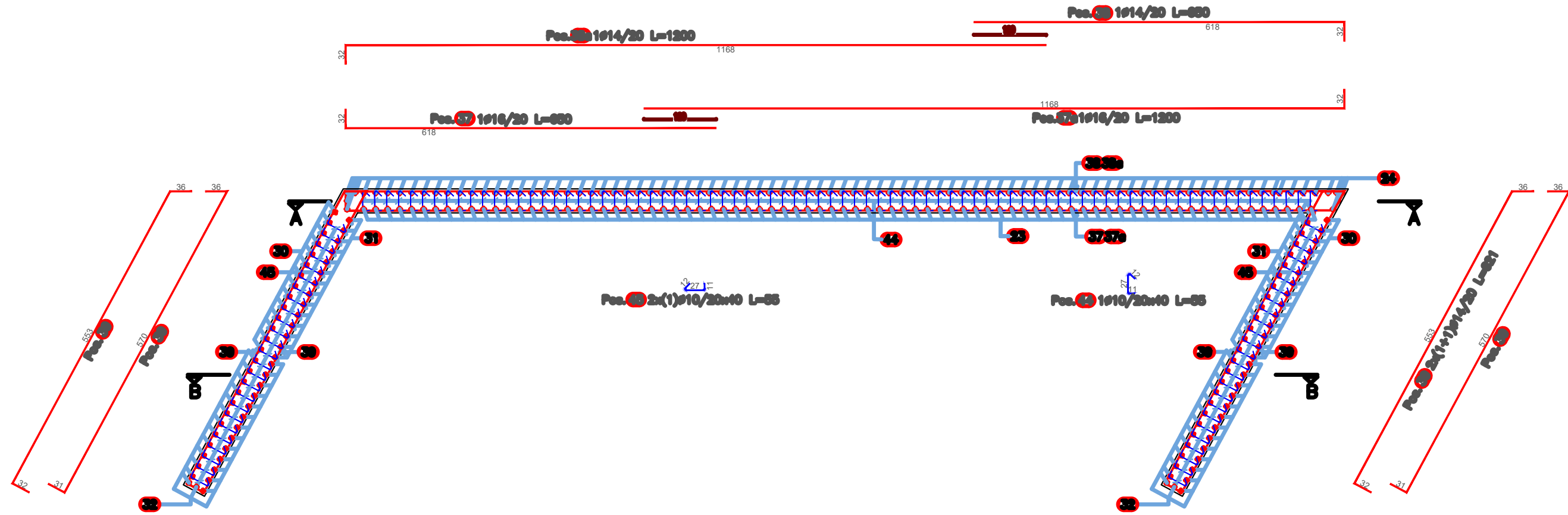
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE	1:75	Date: Tiranë 2023
VIZATIMI Nr: PAGE No:	H.6 (8)	

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

SECTION C-C REINFORCEMENT OF ABUTMENT 2/ARMIMI I PRERJES C-C E BALLIT 2
SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Armimi i Ballit 2 / Bridge 5-Left, Abutment 2 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA 1:75
 SCALE 1:100
 Date: Tiranë 2023

VIZATIMI Nr: H.6 (9)
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

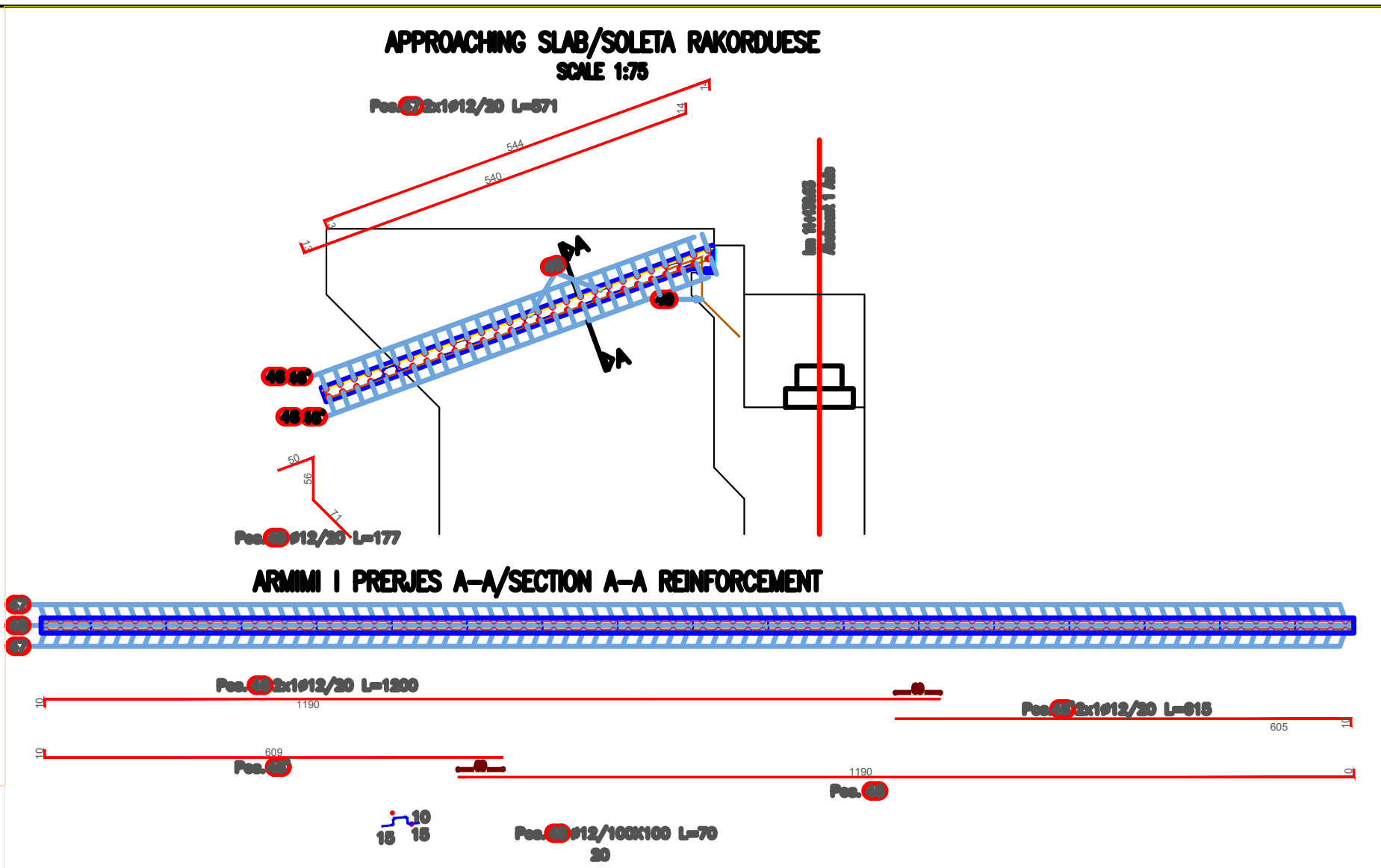
ABUTMENT 2/BALLI 2						
Element/Elementi: Abutment Cap/Footing / Themeli i ballit 2						
Position/ Pozicioni	Pieces /Cope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
1	142	25	995	1412.90	3.851	5442
2	142	25	995	1412.90	3.851	5442
1a	76	25	640	486.40	3.851	1873
2a	76	25	640	486.40	3.851	1873
3	6	25	705	42.30	3.851	163
3a	4	25	350	14.00	3.851	54
4	24	16	805	193.20	1.578	305
4a	14	16	450	63.00	1.578	99
5	24	16	805	193.20	1.578	305
5a	14	16	450	63.00	1.578	99
6	180	25	245	441.00	3.851	1698
7	41	25	1200	492.00	3.851	1895
8	41	25	936	383.76	3.851	1478
9	41	25	1200	492.00	3.851	1895
10	41	25	936	383.76	3.851	1478
11	28	16	785	219.80	1.578	347
12	28	16	1200	336.00	1.578	530
13	82	25	277	227.14	3.851	875
14	28	16	888	248.64	1.578	392
15	16	16	1200	192.00	1.578	303
15a	16	16	872	139.52	1.578	220
16	35	25	434	151.90	3.851	585
17	3250	16	191	6207.50	1.578	9793
Σ(kg)						37144

Element/Elementi: Abutment/Balli						
Position/ Pozicioni	Pieces /Cope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
18	206	25	450	927.00	3.851	3570
19	160	25	570	912.00	3.851	3512
20	206	25	640	1318.40	3.851	5078
21	160	25	520	832.00	3.851	3204
22	174	25	565	983.10	3.851	3786
23a	60	16	550	330.00	1.578	521
23b	60	16	310	186.00	1.578	293
23c	18	16	1200	216.00	1.578	341
23d	18	16	885	159.30	1.578	251
34	52	20	945	491.40	2.465	1211
35	52	20	1140	592.80	2.465	1461
36	8	20	1140	91.20	2.465	225
36a	8	20	945	75.60	2.465	186
42	936	12	170	1591.20	0.887	1412
Σ(kg)						25053

Element/Elementi: Abutment Backwall 2/Muri i ballit						
Position/ Pozicioni	Pieces /Cope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
23	88	16	475	418.00	1.578	659
24	88	14	315	277.20	1.208	335
25	88	14	600	528.00	1.208	638
37	18	16	650	117.00	1.578	185
37a	18	16	1200	216.00	1.578	341
38	16	14	650	104.00	1.208	126
38a	16	14	1200	192.00	1.208	232
44	400	10	55	220.00	0.616	136
Σ(kg)						2650

Element/Elementi: Abutment Wing Wall/Muri i krahut te ballit						
Position/ Pozicioni	Pieces /Cope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
26	92	20	314	288.88	2.465	712
27	104	20	314	326.56	2.465	805
28	92	20	558	513.36	2.465	1265
29	104	20	558	580.32	2.465	1430
40	100	20	768	768.00	2.465	1893
41	4	20	768	30.72	2.465	76
43	546	12	98	535.08	0.887	475
Σ(kg)						6656

Element/Elementi: Abutment Wing Wall/Muri i krahut te ballit						
Position/ Pozicioni	Pieces /Cope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
30	28	16	370	103.60	1.578	163
31	28	16	370	103.60	1.578	163
32	54	16	293	158.22	1.578	250
33	4	14	595	23.80	1.208	29
39	74	14	621	459.54	1.208	555
45	300	10	55	165.00	0.616	102
46	48	12	60	28.80	0.887	26
47	46	16	315	144.90	1.578	229
Σ(kg)						1516
SHUMA TOTALE						73019



APPROACHING SLAB/SOLETA RAKORDUESE						
Element/Elementi: Approaching slab/Soleta Rakorduese						
Position/ Pozicioni	Pieces/C ope	Ø (mm)	L (cm)	Total length/G jatesia Totale	Weight (unit)/Pe sha Specifike	Weight/ Pesha (kg)
46	56	12	1200	672.00	0.887	596
46'	56	12	615	344.40	0.887	306
47	176	12	571	1004.96	0.887	892
48	85	12	70	59.50	0.887	53
49	87	12	177	153.99	0.887	137
Σ(kg)						1983

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al

InfraKonsult
 konsultance Inzhinierike

HMK-CONSULTING SH.P.K
 Konsultance-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Tabela e Armature te Ballit 1 dhe Armimi i soletes rakorduese/
 Bridge 5-Left, Abutment 1 Bar specification and approaching slab reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

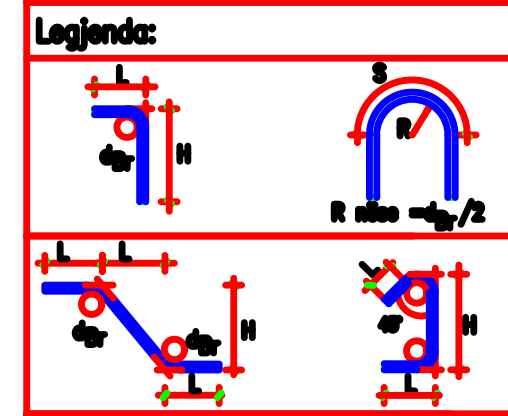
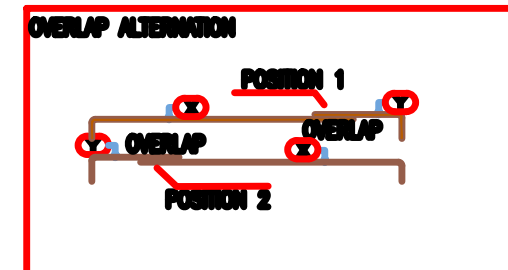
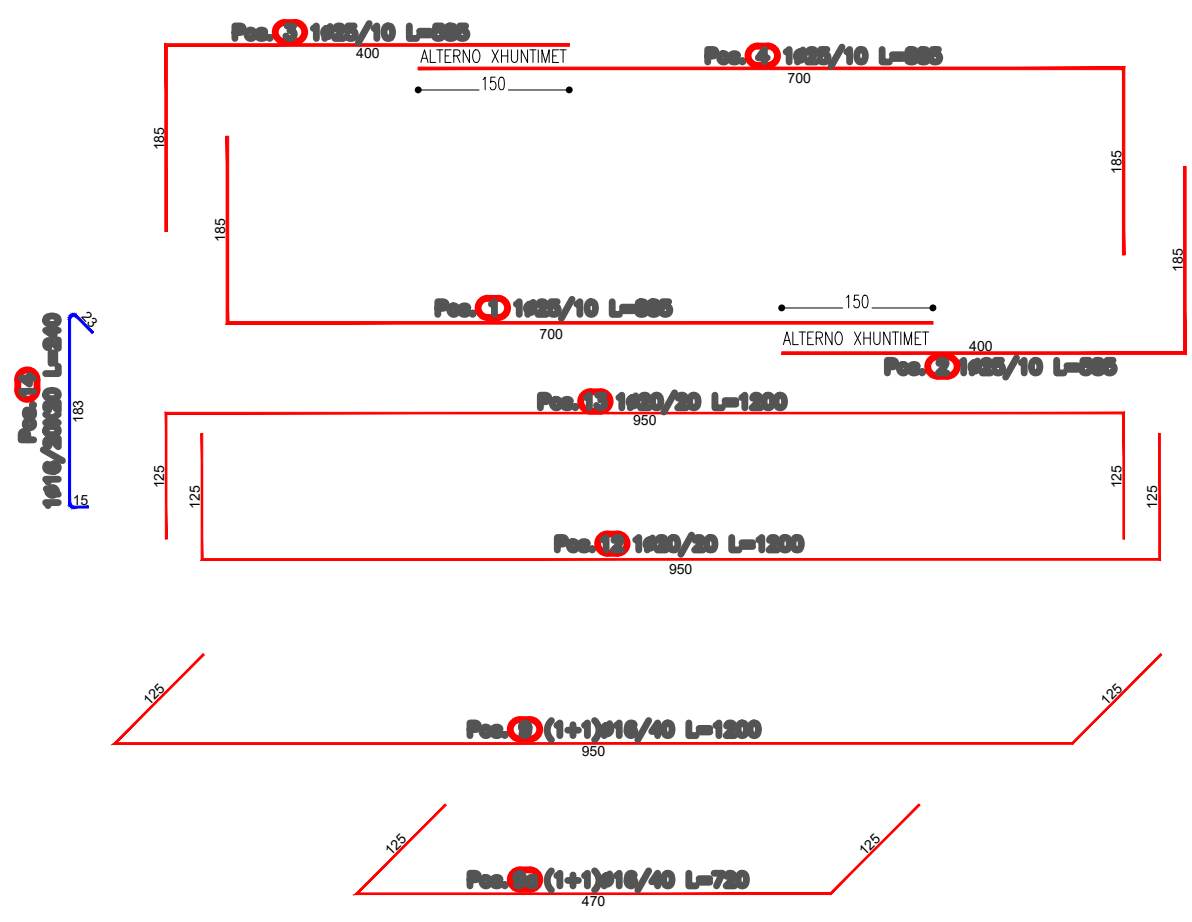
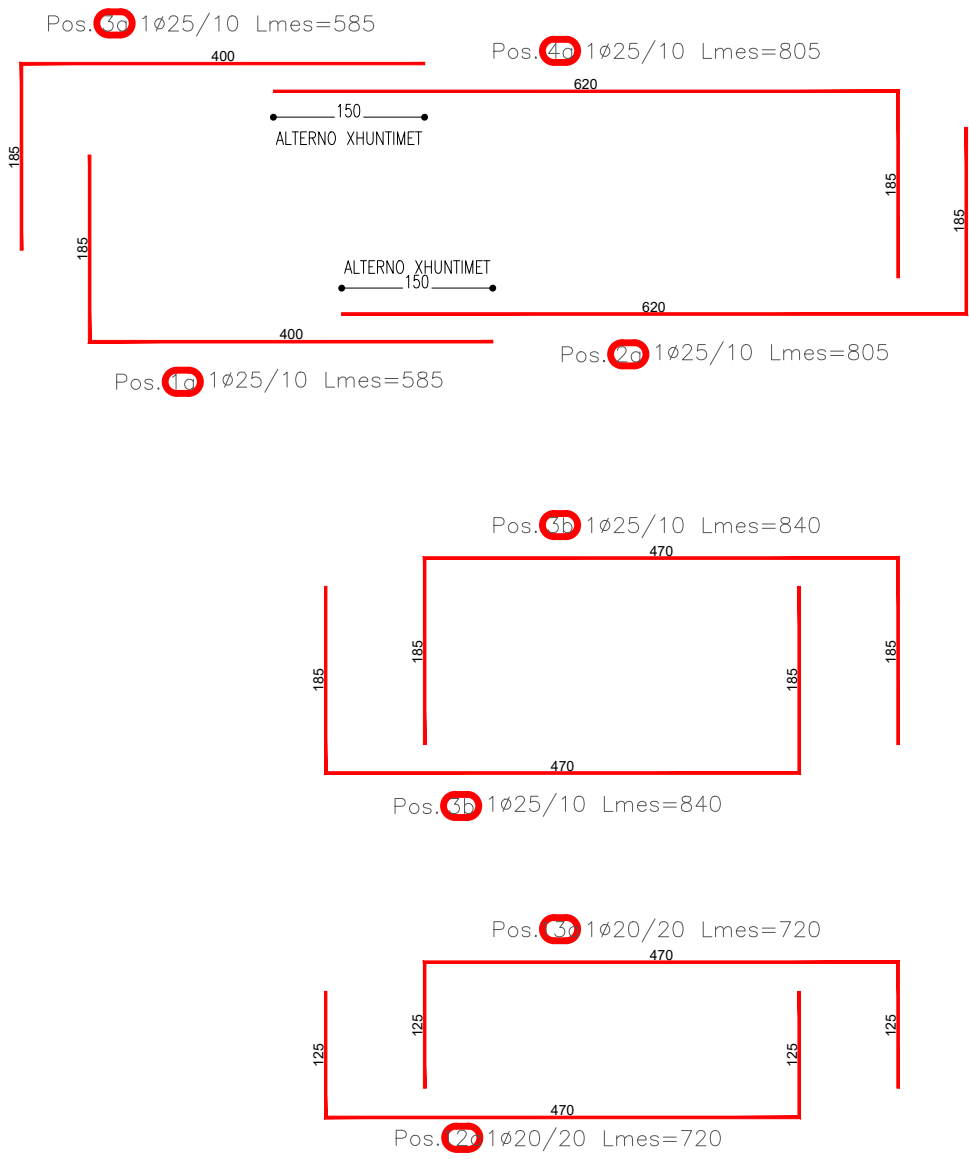
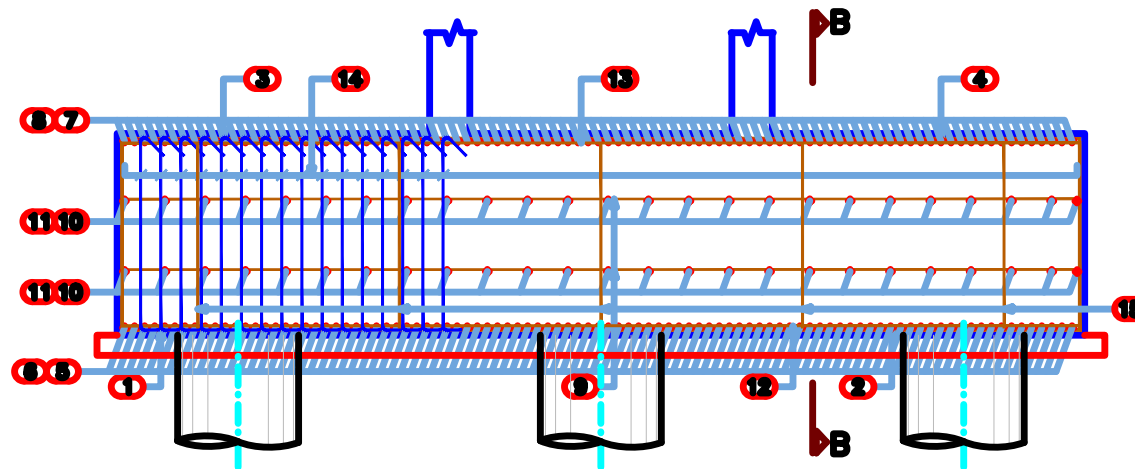
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.6 (10)
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

ARMIMI I PLINTIT TË PILES 1/ PIER 1 FOOTING REINFORCEMENT SHKALLA/SCALE 1:75



Diametri i kablave të shufrave d_p:

Ø Shufrë < 40	d _p 40
Ø Shufrë 40 - 65	d _p 70

SHENIM:
- Shifrat e dhëna në tabelë janë në cm.
- Të shprehura në shifra të tërë.

TABLE OF MATERIALS/TABELA E MATERIALEVE:

CONCRETE/BETONI:
According to UNI EN -206
LEAN CONCRETE/BETON I VARFËR:
- Class/Klasa C12/15
- Exposure Class/Klasa e ekspozimit XC0

FOUNDATIONS OF PIERS AND ABUTMENTS/Themeli i pilave dhe ballnave
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XC2

ABUTMENT AND PIER ELEVATION/TRUPI I BALLNAVE DHE PILAVE
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XF2

REINFORCED CONCRETE DECK, KERBS, LEVELING PADS
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XF4

REINFORCED CONCRETE BEAMS/TRARE BETONARME
- Class/Klasa C45/55
- Exposure Class/Klasa e ekspozimit XC4

REINFORCED CONCRETE TRANSVERSE BEAMS/DIAFRAGMAT BETONARME
- Class/Klasa C30/37

NOMINAL CONCRETE COVER/SHTRESAT MBROJTESE

Slab deck/Soleta	Cnom.= 35.0 mm
Beam/Trau	Cnom.= 40.0 mm
Elevation/Muret	Cnom.= 40.0 mm
Foundation/Themeli	Cnom.= 70.0 mm

REINFORCEMENT STEEL/CELIKU
Grade/Grada B500C
Yield strength/Rez ne rrjedhshmeri $f_{yk} \geq 540 \text{ MPa}$
Ultimate tensile strength/Rez ne terheqje $f_{tk} \geq 500 \text{ MPa}$

PRESTRESSED TENDONS/KAVOT E PARANDERURA
 $f_{ptk} \geq 1860 \text{ N/mm}$
 $f_{p1k} \geq 1670 \text{ N/mm}$

NOTE/SHENIM:
Dimensions are given in cm, bars are given in cm.
Dimensionet dhe gjatësitë e shufrave janë të dhëna në cm.

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

InfraKonsult
konsulencë inxhinierike

HMK-CONSULTING SH.P.K
Konsulencë-Projektim-Mbikëqortje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 1 / Bridge 5-Left, Pier 1 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:75 Date: Tiranë 2023

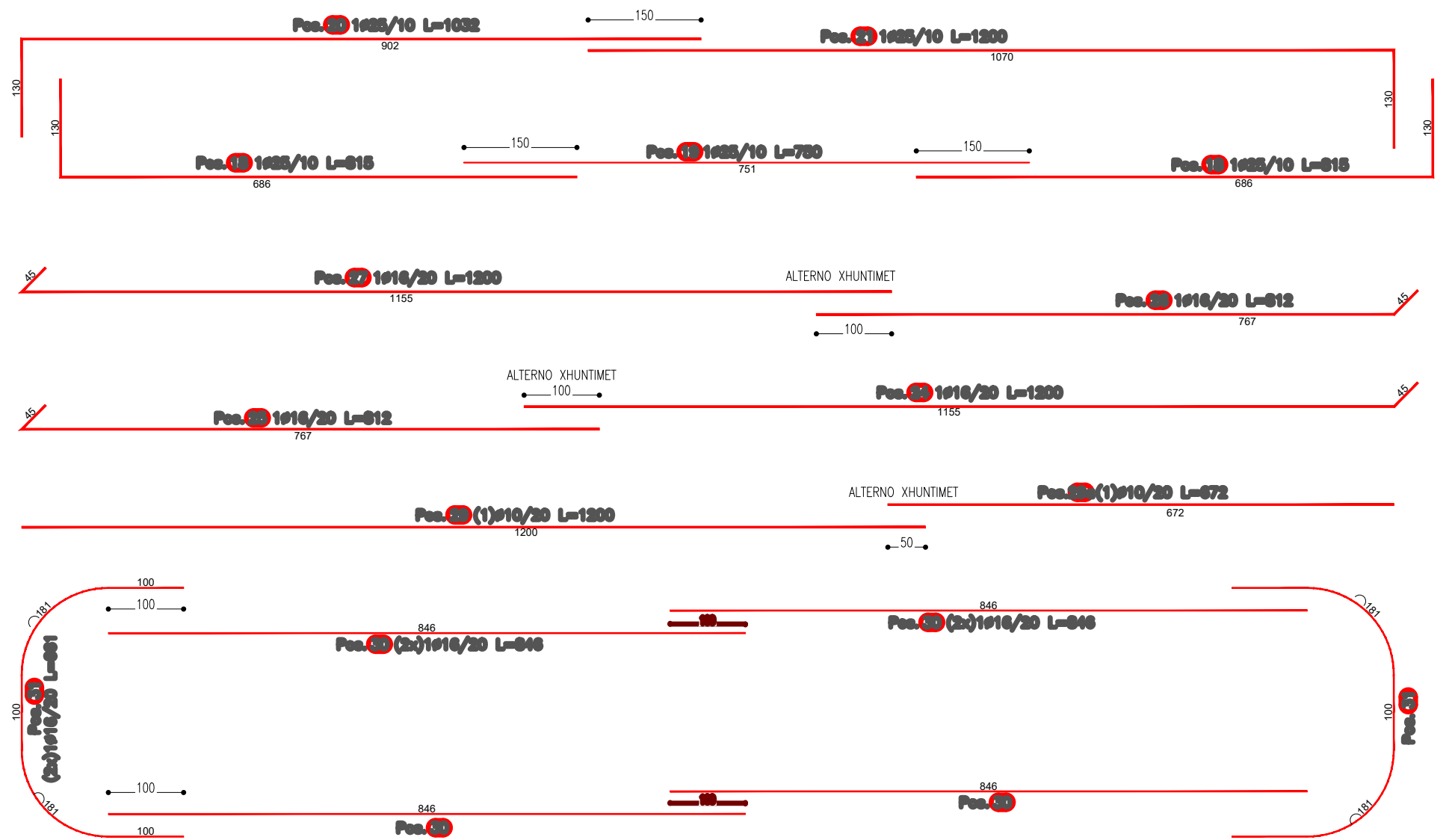
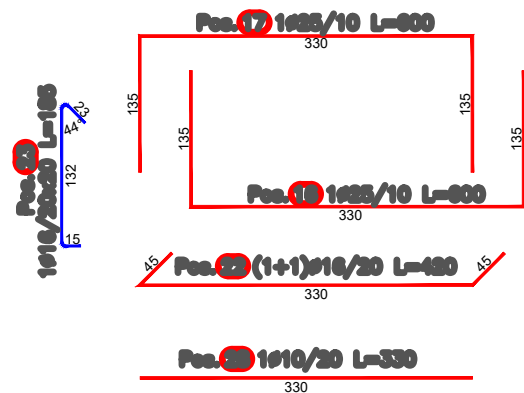
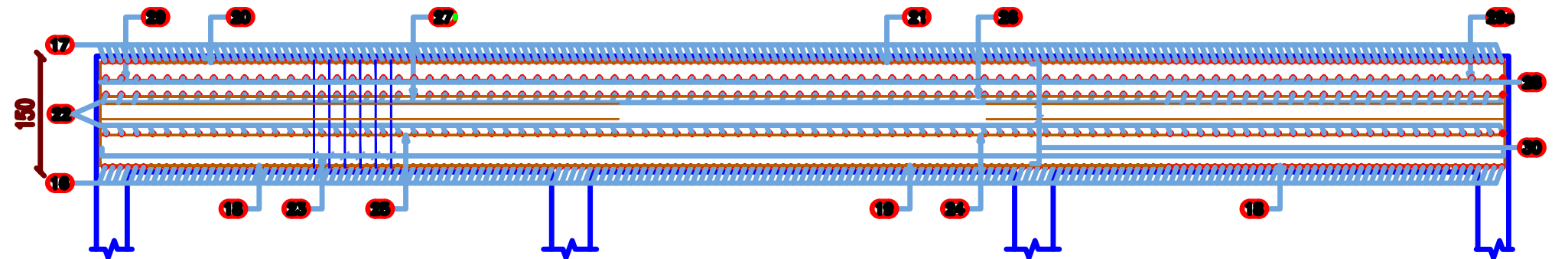
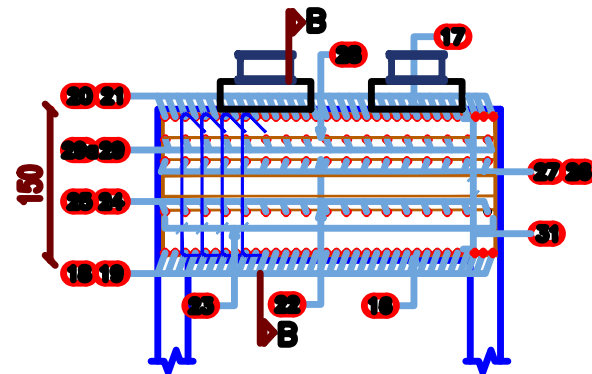
VIZATIMI Nr: H.7 (1)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

ARMIMI I JASTEKUT TË PILES 1/ PIER 1 CAP REINFORCEMENT
SHKALLA/ SCALE 1:75

PRERJA B-B E JASTEKUT TE PILES 1/ SEKSIONI B-B OF THE PIER 1 CAP
SHKALLA/ SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

InfraKonsult
konsulence Inzhinierike

HMK-CONSULTING SH.P.K
Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

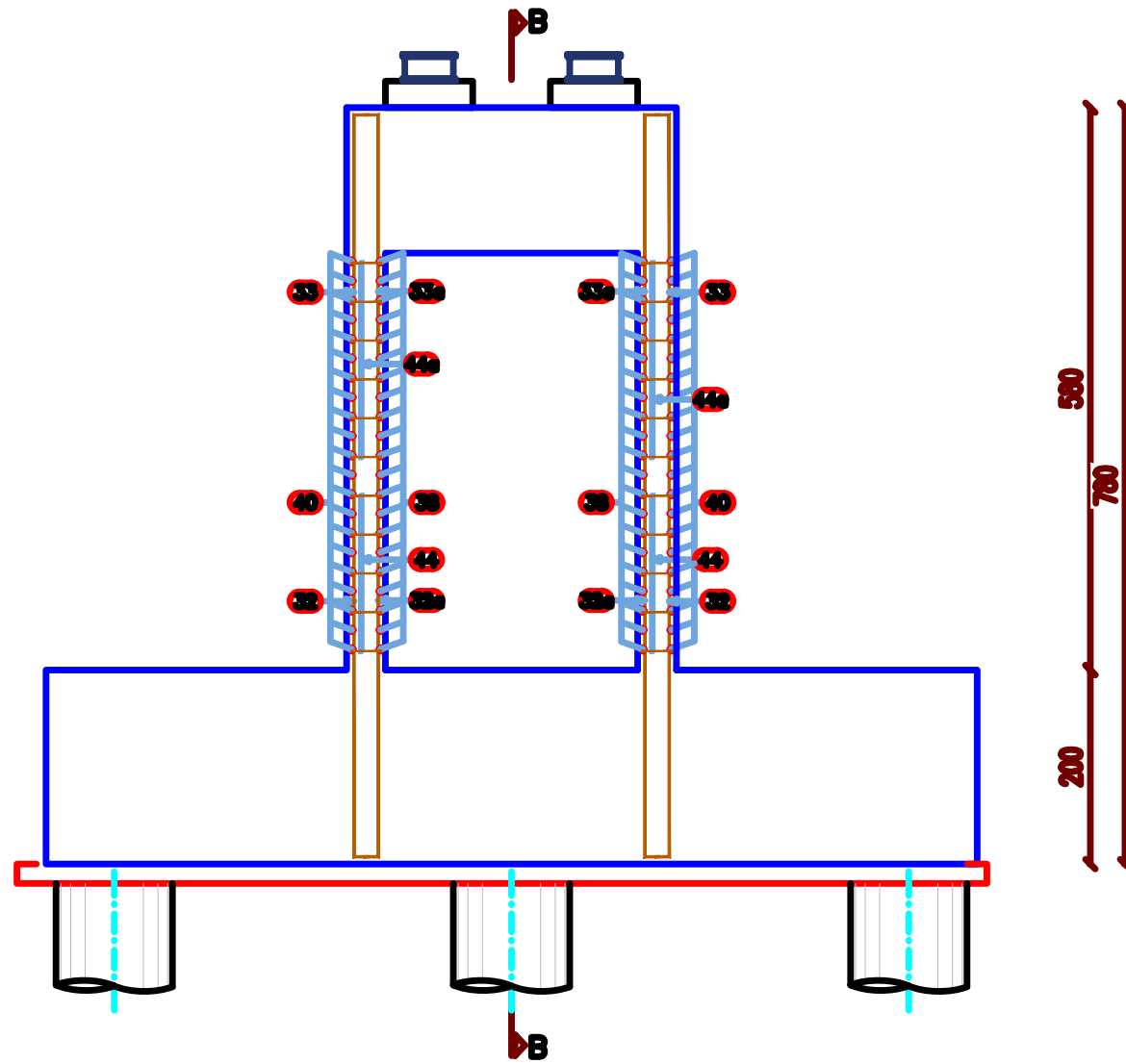
Ura 5-Majtas, Armimi i Piles 1 / Bridge 5-Left, Pier 1 Reinforcement

FAZA - PROJEKT ZBATIM PHASE - DETAIL DESIGN	
SHKALLA SCALE 1:75	Date: Tiranë 2023
VIZATIMI Nr: PAGE No:	H.7 (3)

**PROJEKTUES:
DESIGN ENGINEERS:**

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

**ARMIMI I PILES 1/ PIER 1 REINFORCEMENT
SHKALLA/ SCALE 1:75**



PIER/PILA Nr.1 (5.8m)						
Element/Elementi: Pile Cap/Footing / Themeli I Piles						
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjate sia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
1	151	25	885	1336.35	3.851	5147
2	151	25	585	883.35	3.851	3402
1a	10	25	585	58.50	3.851	225
2a	10	25	805	80.50	3.851	310
3	151	25	585	883.35	3.851	3402
4	151	25	885	1336.35	3.851	5147
3a	10	25	585	58.50	3.851	225
4a	10	25	805	80.50	3.851	310
3b	184	25	840	1545.60	3.851	5953
5	218	25	735	1602.30	3.851	6171
6	109	25	1200	1308.00	3.851	5038
7	109	25	950	1035.50	3.851	3988
7a	109	25	750	817.50	3.851	3149
8	109	25	970	1057.30	3.851	4072
9	76	16	1200	912.00	1.578	1439
9a	46	16	720	331.20	1.578	522
10	54	16	1200	648.00	1.578	1022
11	54	16	1160	626.40	1.578	988
12	75	20	1200	900.00	2.465	2218
13	75	20	1200	900.00	2.465	2218
12a	46	20	1200	552.00	2.465	1361
13a	46	20	1200	552.00	2.465	1361
14	4850	16	240	11640.00	1.578	18363
15	50	20	510	255.00	2.465	629
Σ (kg)						76660

Element/Elementi: Pier Header/Jasteku I Piles						
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjate sia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
16	181	25	600	1086.00	3.851	4183
17	181	25	600	1086.00	3.851	4183
18	68	25	815	554.20	3.851	2134
19	34	25	750	255.00	3.851	982
20	34	25	1032	350.88	3.851	1351
21	34	25	1200	408.00	3.851	1571
22	184	16	420	772.80	1.578	1219
23	1520	16	185	2812.00	1.578	4436
24	17	16	1200	204.00	1.578	322
25	17	16	812	138.04	1.578	218
26	17	16	812	138.04	1.578	218
27	17	16	1200	204.00	1.578	322
28	92	10	330	303.60	0.616	187
29	17	10	1200	204.00	0.616	126
29a	17	10	672	114.24	0.616	70
30	28	16	846	236.88	1.578	374
31	14	16	661	92.54	1.578	146
Σ (kg)						22042

Element/Elementi: Pier/Pila						
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjate sia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
32	316	25	600	1896.00	3.851	7302
32a	158	25	400	632.00	3.851	2434
33	316	25	365	1153.40	3.851	4442
33a	158	25	565	892.70	3.851	3438
34	38	25	565	214.70	3.851	827
34a	38	25	365	138.70	3.851	534
35	38	25	400	152.00	3.851	585
35a	38	25	600	228.00	3.851	878
36	48	25	365	175.20	3.851	675
36a	38	25	565	214.70	3.851	827
37	48	25	600	288.00	3.851	1109
37a	38	25	400	152.00	3.851	585
38	84	16	846	710.64	1.578	1121
39	42	16	567	238.14	1.578	376
40	84	16	846	710.64	1.578	1121
41	42	16	661	277.62	1.578	438
42	86	18	800	688.00	1.997	1374
43	86	18	375	322.50	1.997	644
44	1000	14	50	500.00	1.208	604
44a	600	14	50	300.00	1.208	362
45	344	25	200	688.00	3.851	2650
Σ (kg)						32327
Total (kg)						131028

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

InfraKonsult
konsultance Inzhinierike

HMK-CONSULTING SH.P.K
Konsultance-Projektim-Mbikqirje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 1 dhe tabela e hekurit/ Bridge 5-Left, Pier 1 Reinforcement and bar specification

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

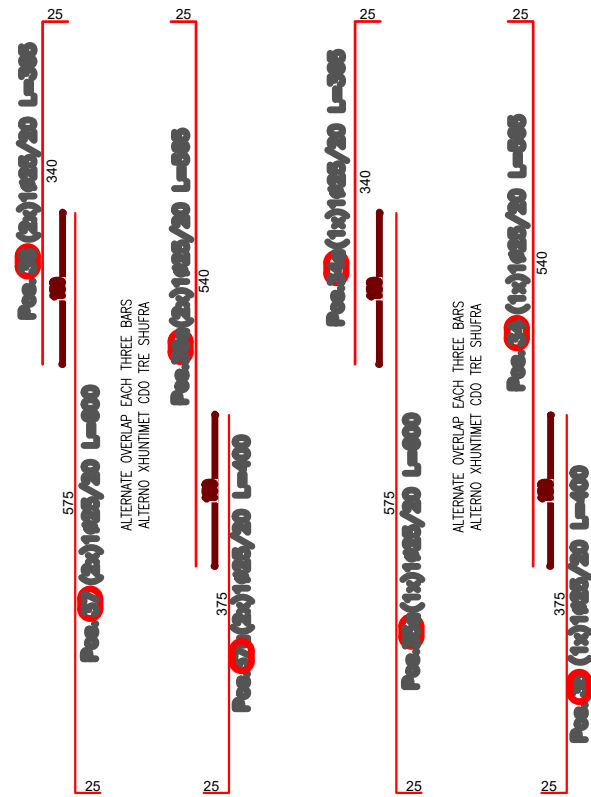
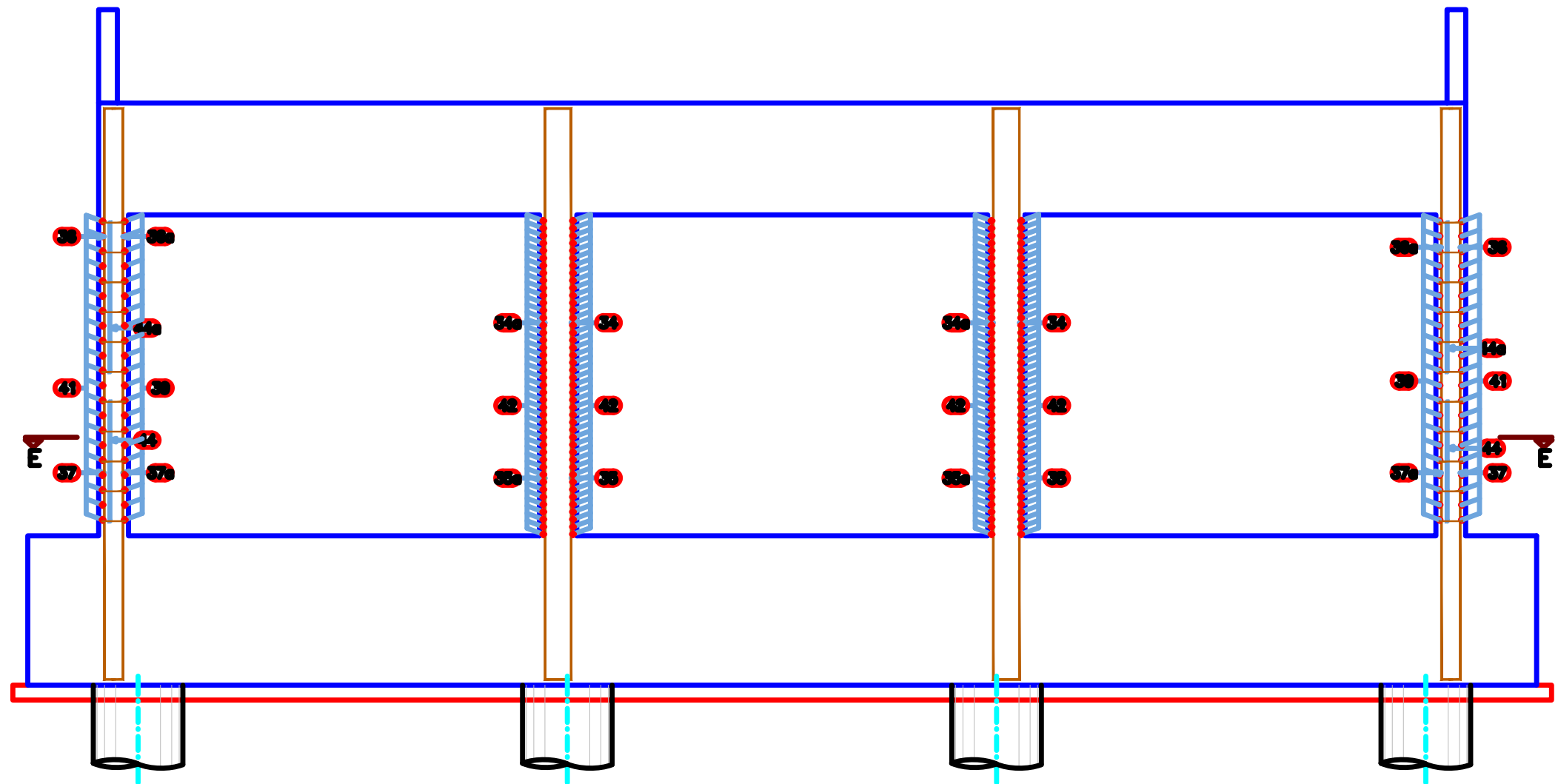
SHKALLA SCALE 1:50 Date: Tiranë 2023

VIZATIMI Nr: H.7 (4)
PAGE No:

**PROJEKTUES:
DESIGN ENGINEERS:**

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

ARMIMI I PRERJES B-B TE PILES 1/ REINFORCEMENT OF SECTION B-B OF PIER 1
SHKALLA/ SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 1 /
 Bridge 5-Left, Pier 1 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:75 Date: Tiranë 2023

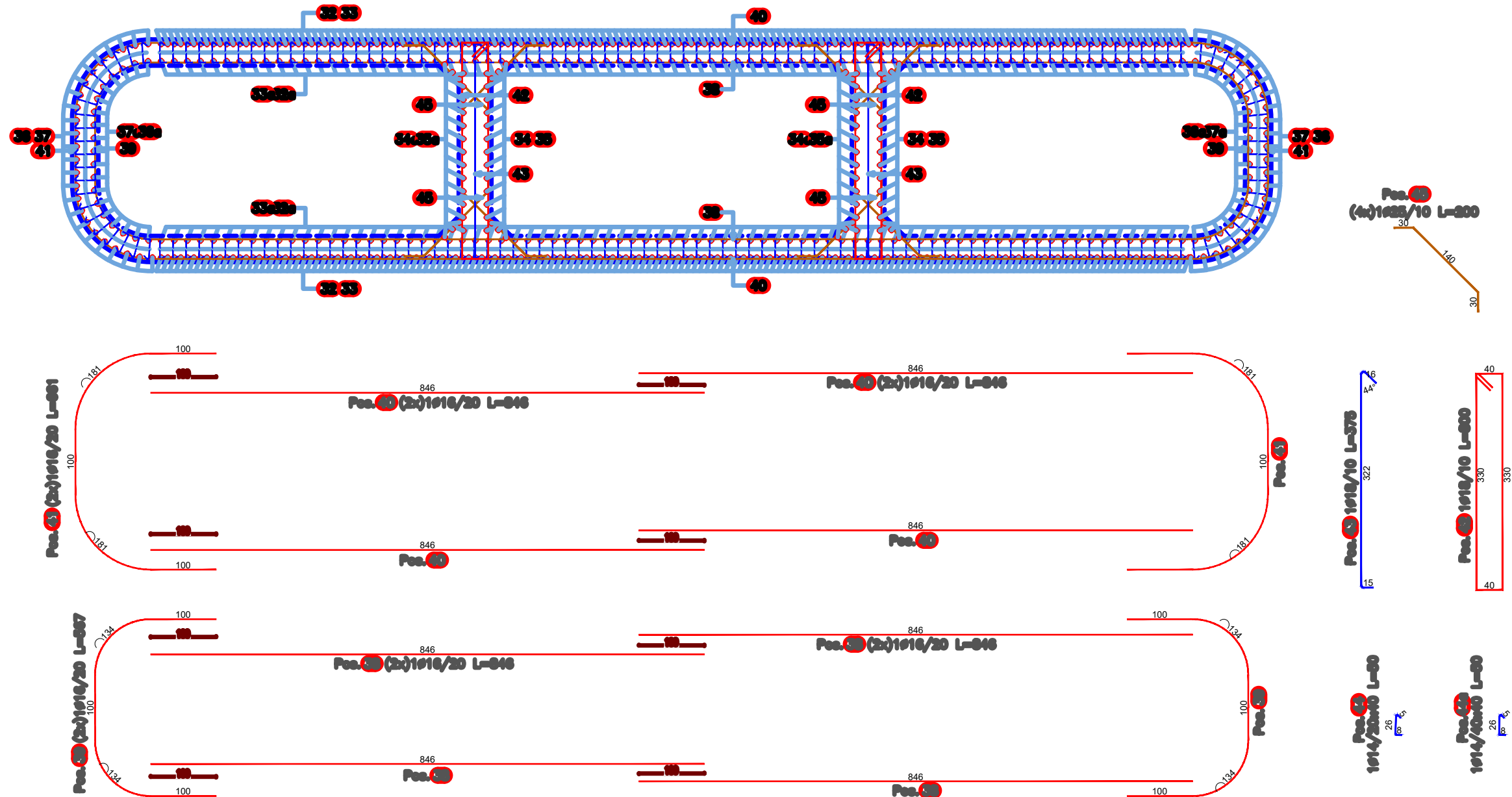
VIZATIMI Nr:
 PAGE No: H.7 (5)

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



ARMIMI I PRERJES E-E E PILES 1 / REINFORCEMENT OF SECTION E-E OF PIER 1
SHKALLA / SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 1 /
 Bridge 5-Left, Pier 1 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

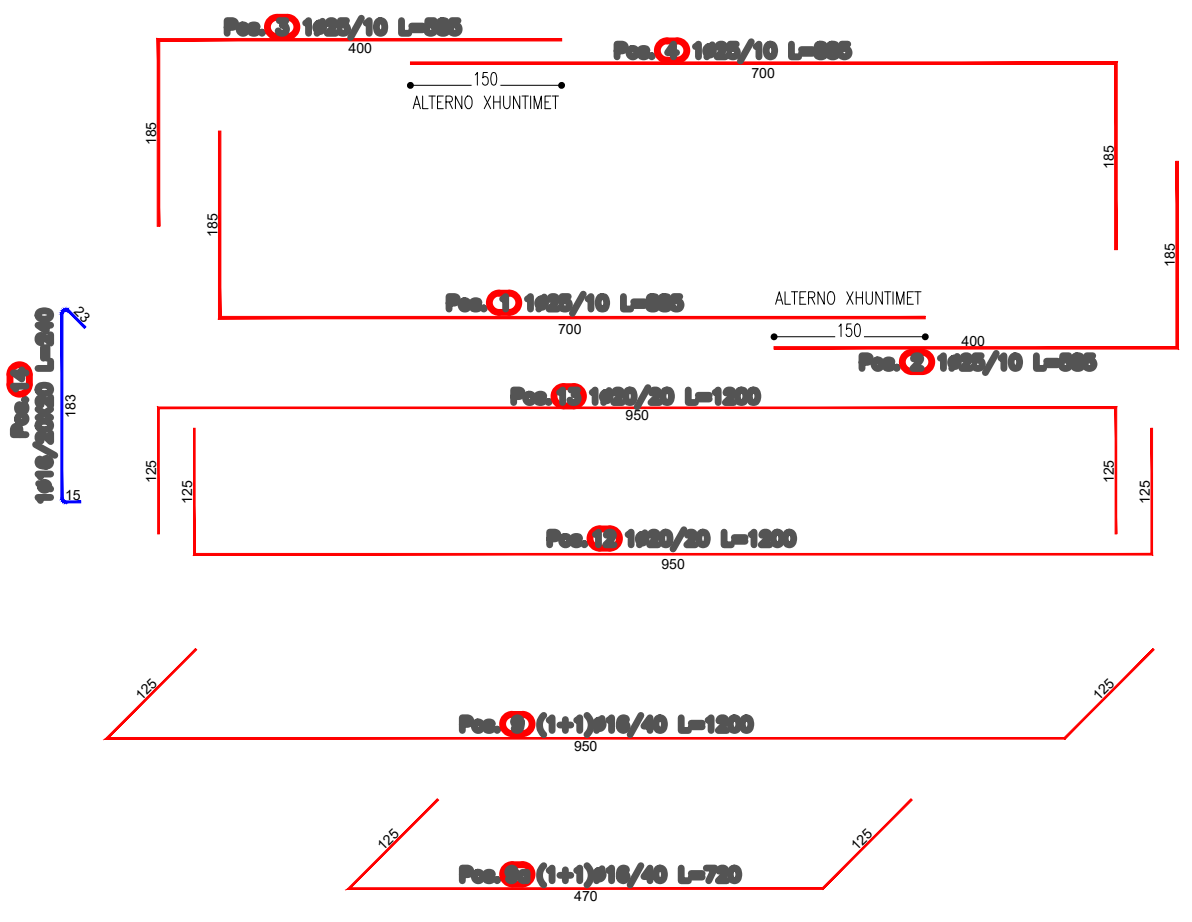
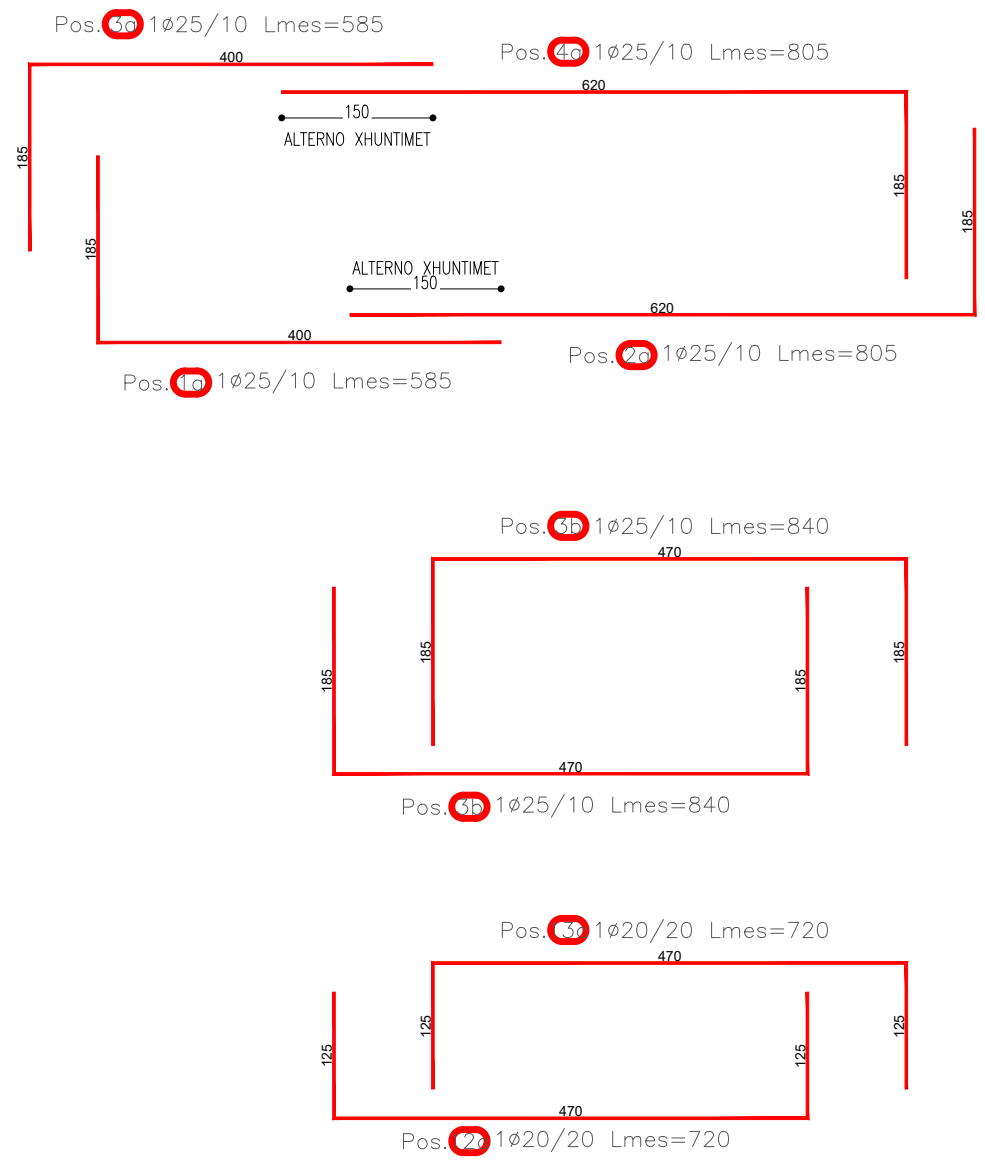
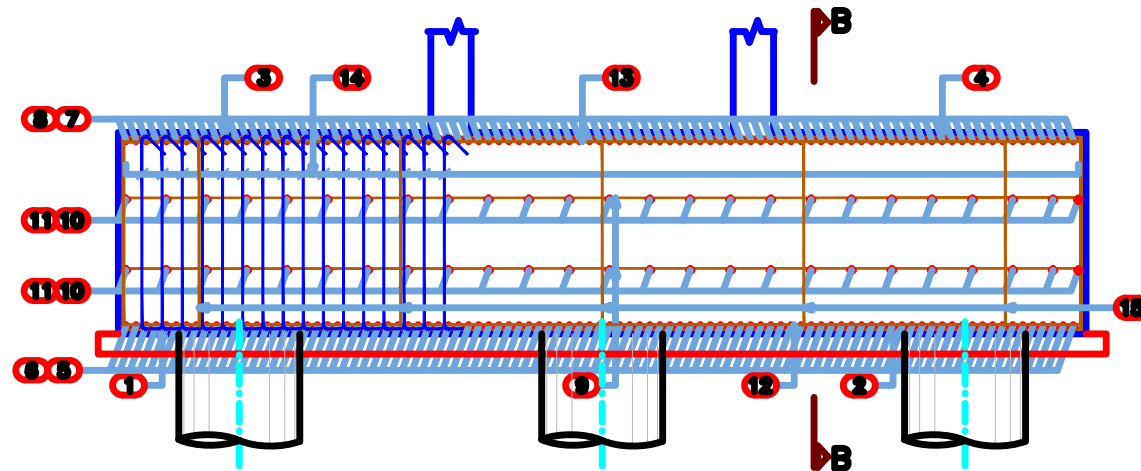
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.7 (6)
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

**ARMIMI I PLINTIT TË PILES 2/ PIER 2 FOOTING REINFORCEMENT
SHKALLA/SCALE 1:75**



OVERLAP ALTERNATION

Legjenda:

Diametri i këmbit të shufrave d_s:

Ø Shufrë < 20	d_p = 40
Ø Shufrë 20 - 25	d_p = 70

SHENIM:
- Shifrat e këmbit të shufrave Ø d_s
- Të dhëna të shiftrave.

TABLE OF MATERIALS/TABELA E MATERIALEVE:

CONCRETE/BETONI:
According to UNI EN -206
LEAN CONCRETE/BETON I VARFËR:
- Class/Klasa C12/15
- Exposure Class/Klasa e ekspozimit XC0

FOUNDATIONS OF PIERS AND ABUTMENTS/Themeli i pilave dhe ballnave
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XC2

ABUTMENT AND PIER ELEVATION/TRUPI I BALLNAVE DHE PILAVE
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XF2

REINFORCED CONCRETE DECK, KERBS, LEVELING PADS
- Class/Klasa C30/37
- Exposure Class/Klasa e ekspozimit XF4

REINFORCED CONCRETE BEAMS/TRARE BETONARME
- Class/Klasa C45/55
- Exposure Class/Klasa e ekspozimit XC4

REINFORCED CONCRETE TRANSVERSE BEAMS/DIAFRAGMAT BETONARME
- Class/Klasa C30/37

NOMINAL CONCRETE COVER/SHTRESAT MBROJTESE

Slab deck/Soleta	Cnom.= 35.0 mm
Beam/Trau	Cnom.= 40.0 mm
Elevation/Muret	Cnom.= 40.0 mm
Foundation/Themeli	Cnom.= 70.0 mm

REINFORCEMENT STEEL/CELIKU
Grade/Grada B500C
Yield strength/Rez ne rrjedhshmeri fyk ≥ 540MPa
Ultimate tensile strength/Rez ne terheqje ftk ≥ 500MPa

PRESTRESSED TENDONS/KAVOT E PARANDERURA
fptk ≥ 1860 N/mm
fp1k ≥ 1670 N/mm

NOTE/SHENIM:
Dimensions are given in cm, bars are given in cm.
Dimensionet dhe gjatësitë e shufrave janë të dhëna në cm.

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 2 / Bridge 5-Left, Pier 2 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

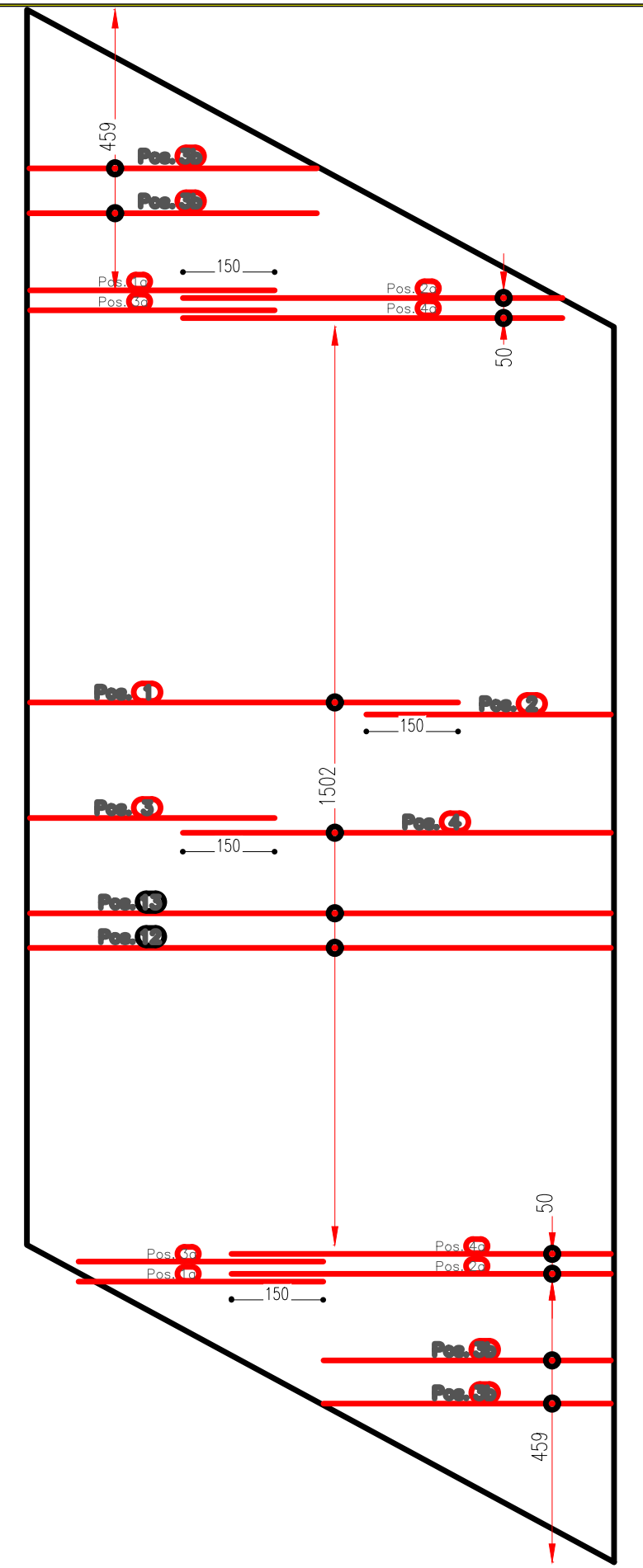
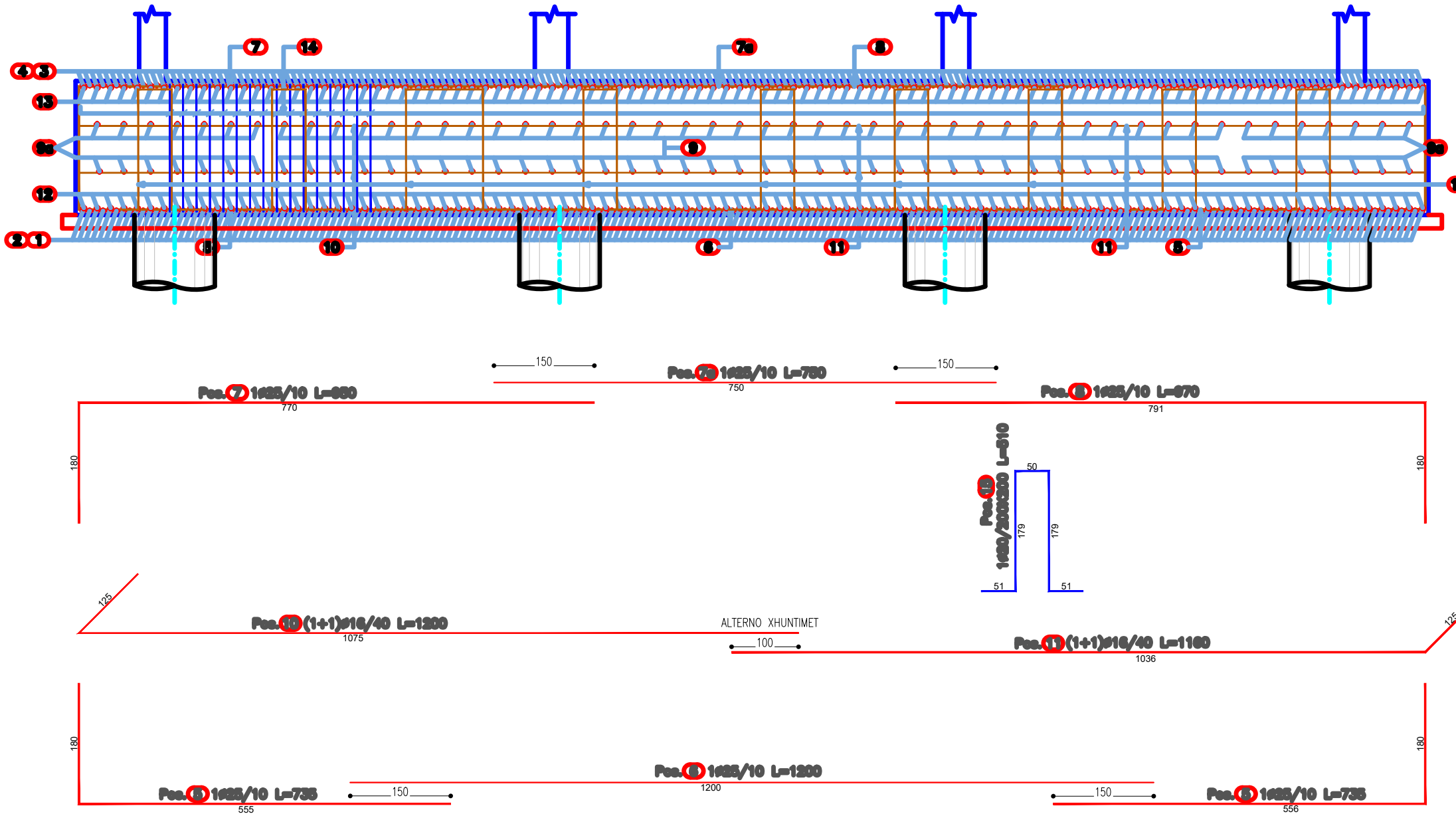
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.7 (7)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

PRERJA E PILINTIT TE PILES 2/ SECTION B-B OF THE FOOTING OF PIER 1
SHKALLA/ SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

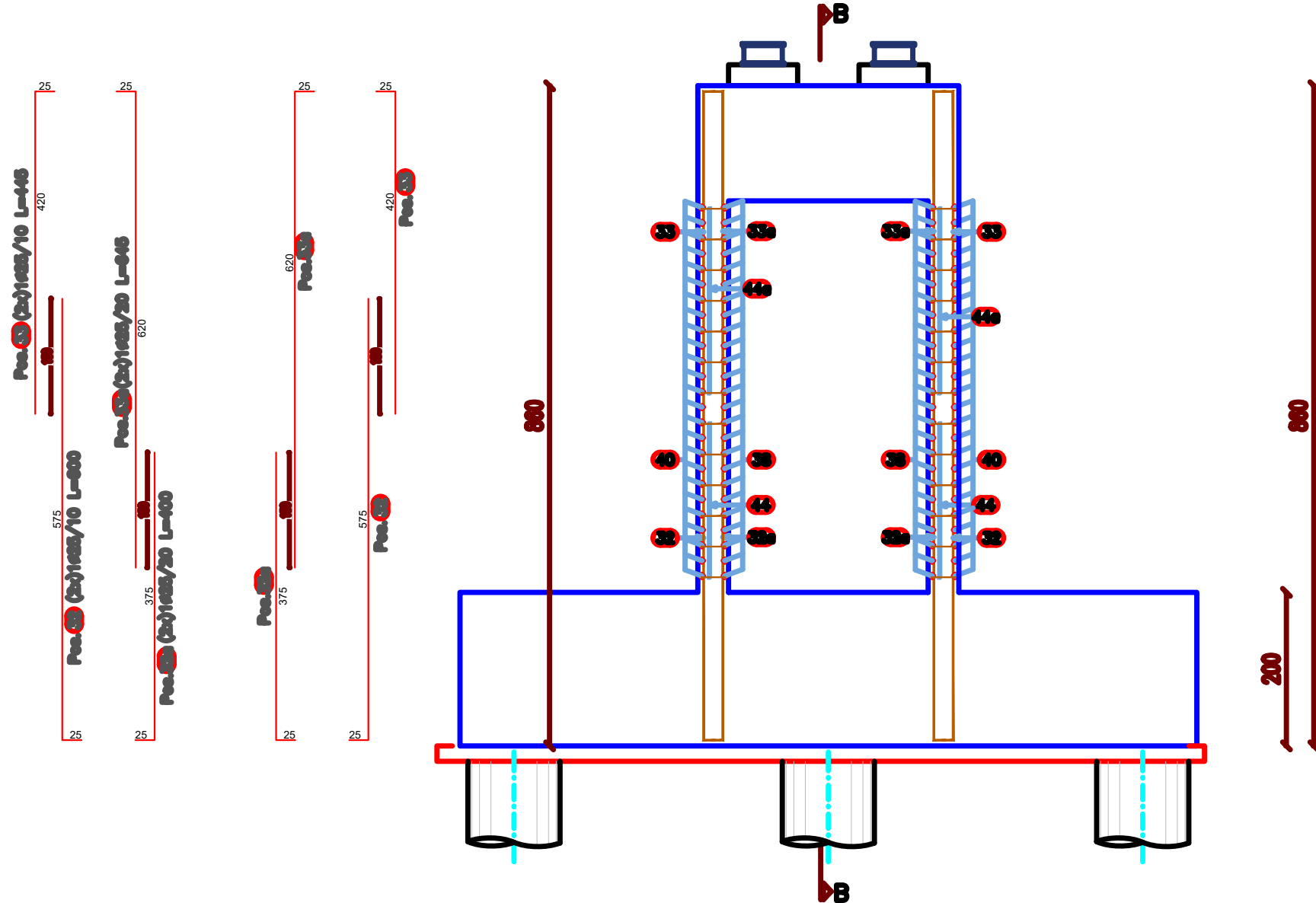
InfraKonsult
konsulencë inzhinierie
HMK-CONSULTING SH.P.K
Konsulencë-Projektim-Mbikëqyrje
JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)
Ura 5-Majtas, Armimi i Piles 2 / Bridge 5-Left, Pier 2 Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN
SHKALLA 1:75
SCALE 1:100
Date: Tiranë 2023
VIZATIMI Nr: H.7 (8)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:
Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

ARMIMI I PILES 2/ PIER 2 REINFORCEMENT
SHKALLA/ SCALE 1:75



PIER/PILA Nr.2 (6.6m)						
Element/Elementi	Pile Cap/Footing / Themeli	Piles				
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjatesia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
1	151	25	885	1336.35	3.851	5147
2	151	25	585	883.35	3.851	3402
1a	10	25	585	58.50	3.851	225
2a	10	25	805	80.50	3.851	310
3	151	25	585	883.35	3.851	3402
4	151	25	885	1336.35	3.851	5147
3a	10	25	585	58.50	3.851	225
4a	10	25	805	80.50	3.851	310
3b	184	25	840	1545.60	3.851	5953
5	218	25	735	1602.30	3.851	6171
6	109	25	1200	1308.00	3.851	5038
7	109	25	950	1035.50	3.851	3988
7a	109	25	750	817.50	3.851	3149
8	109	25	970	1057.30	3.851	4072
9	76	16	1200	912.00	1.578	1439
9a	46	16	720	331.20	1.578	522
10	54	16	1200	648.00	1.578	1022
11	54	16	1160	626.40	1.578	988
12	75	20	1200	900.00	2.465	2218
13	75	20	1200	900.00	2.465	2218
12a	46	20	1200	552.00	2.465	1361
13a	46	20	1200	552.00	2.465	1361
14	4850	16	240	11640.00	1.578	18363
15	50	20	510	255.00	2.465	629
Σ (kg)						76660

Element/Elementi: Pier Header/Jasteku I Piles						
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjatesia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
16	181	25	600	1086.00	3.851	4183
17	181	25	600	1086.00	3.851	4183
18	68	25	815	554.20	3.851	2134
19	34	25	750	255.00	3.851	982
20	34	25	1032	350.88	3.851	1351
21	34	25	1200	408.00	3.851	1571
22	184	16	420	772.80	1.578	1219
23	1520	16	185	2812.00	1.578	4436
24	17	16	1200	204.00	1.578	322
25	17	16	812	138.04	1.578	218
26	17	16	812	138.04	1.578	218
27	17	16	1200	204.00	1.578	322
28	92	10	330	303.60	0.616	187
29	17	10	1200	204.00	0.616	126
29a	17	10	672	114.24	0.616	70
30	28	16	846	236.88	1.578	374
31	14	16	661	92.54	1.578	146
Σ (kg)						22042

Element/Elementi: Pier/Pila						
Position/ Pozicioni	Pieces/ Cope	φ (mm)	L (cm)	Total length/Gjatesia Totale	Weight (unit)/Pesha Specifike	Weight /Pesha (kg)
32	316	25	600	1896.00	3.851	7302
32a	158	25	400	632.00	3.851	2434
33	316	25	445	1406.20	3.851	5416
33a	158	25	645	1019.10	3.851	3925
34	38	25	645	245.10	3.851	944
34a	38	25	445	169.10	3.851	651
35	38	25	400	152.00	3.851	585
35a	38	25	600	228.00	3.851	878
36	48	25	445	213.60	3.851	823
36a	38	25	645	245.10	3.851	944
37	48	25	600	288.00	3.851	1109
37a	38	25	400	152.00	3.851	585
38	100	16	846	846.00	1.578	1335
39	50	16	567	283.50	1.578	447
40	100	16	846	846.00	1.578	1335
41	50	16	661	330.50	1.578	521
42	102	18	800	816.00	1.997	1629
43	102	18	375	382.50	1.997	764
44	1200	14	50	600.00	1.208	725
44a	700	14	50	350.00	1.208	423
45	408	25	200	816.00	3.851	3143
Σ (kg)						35918
Total (kg)						134619

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

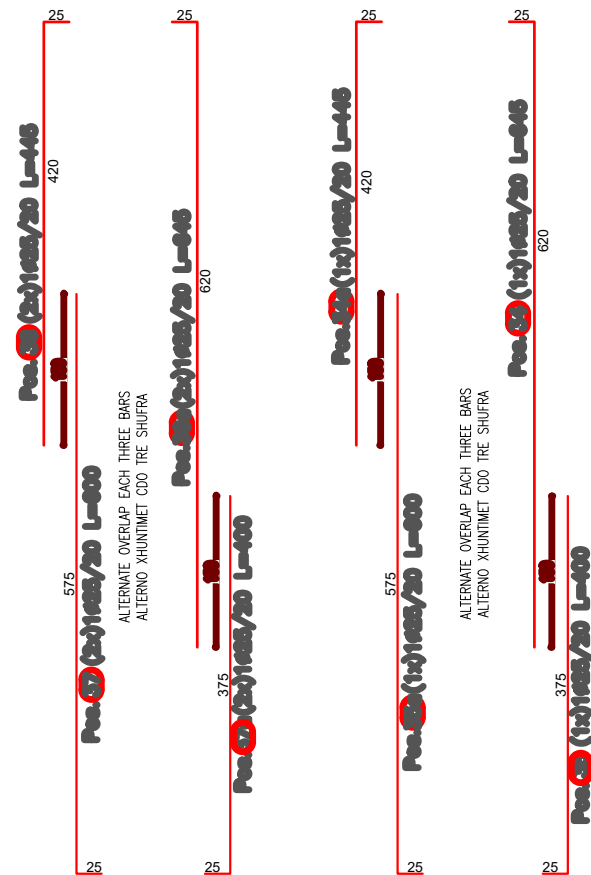
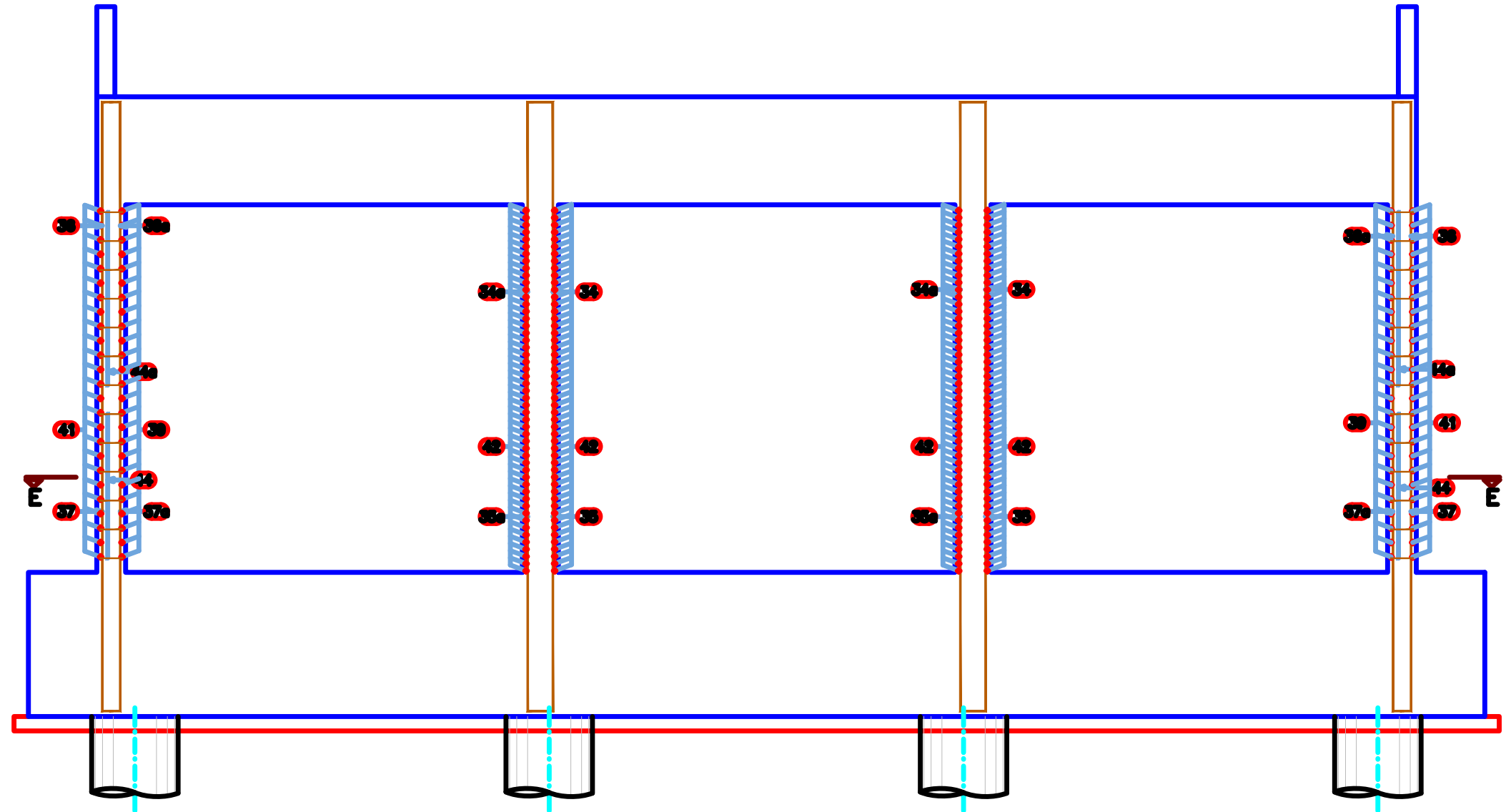
InfraKonsult
konsultance Inzhinierike
HMK-CONSULTING SH.P.K
Konsultance-Projektim-Mbikqirje
JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)
Ura 5-Majtas, Armimi i Piles 1 dhe tabela e hekurit/ Bridge 5-Left, Pier 1 Reinforcement and bar specification

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN
SHKALLA SCALE 1:50 Date: Tiranë 2023
VIZATIMI Nr: H.7 (10)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:
Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

ARMIMI I PRERJES B-B TE PILES 2/ REINFORCEMENT OF SECTION B-B OF PIER 2
SHKALLA/ SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 2 /
 Bridge 5-Left, Pier 2 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:75 Date: Tiranë 2023

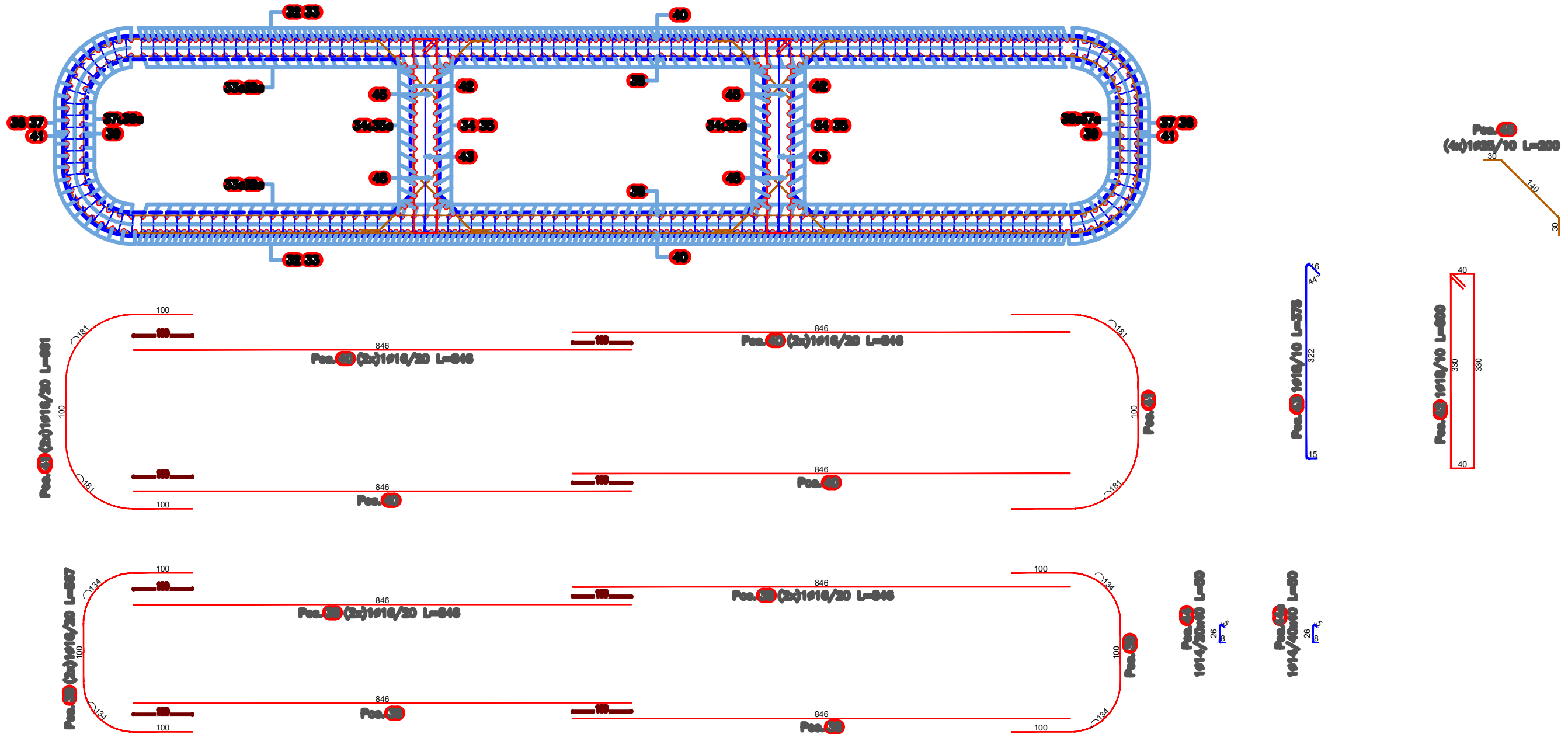
VIZATIMI Nr: H.7 (11)
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



ARMIMI I PRERJES E-E E PILES 2/ REINFORCEMENT OF SECTION E-E OF PIER 2
SHKALLA/ SCALE 1:75



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i Piles 2 /
 Bridge 5-Left, Pier 2 Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

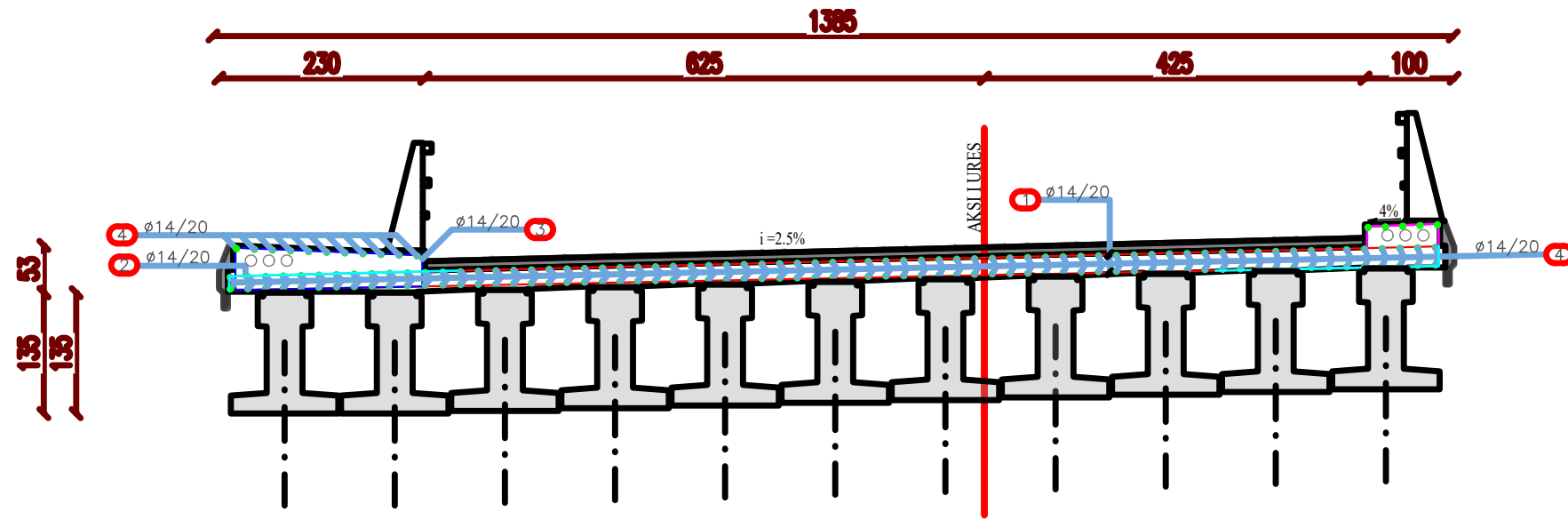
SHKALLA SCALE 1:75 Date: Tiranë 2023

VIZATIMI Nr: H.7 (12)
 PAGE No:

PROJEKTUES:
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

DECK SECTION/ PRERJIA TËRTHORE E SOLETËS A-A
SCALE/SHKALLA 1:75



SLAB REINFORCEMENT TABLE/ TABELA E ARMIMIT TË SOLETËS										
Position/ Pozicioni	Φ [mm]	L [m]	Pieces/Cope	Total Length/ Gjatesia totale [m]	Weight/Pesha njesi [kg/m]	Weight /Pesha [kg]	Φ [mm]	Total Length [m]	Weight [kg/m]	Weight [kg]
1	14	12.00	1010	12,120.00	1.208	14,640.96	14	38,391.51	1.208	46,376.94
1a	14	7.00	120	840.00	1.208	1,014.72	20	702.00	2.466	1,731.13
1b	14	8.47	20	169.40	1.208	204.64	Total			48,108.08
2	14	2.71	1010	2,737.10	1.208	3,306.42	Steel/Çeliku			B500C
2a	14	2.15	20	43.00	1.208	51.94	Concrete/Betoni			C30/37
3	14	2.81	539	1,514.59	1.208	1,829.62				
3a	14	5.28	539	2,845.92	1.208	3,437.87				
4	14	12.00	1386	16,632.00	1.208	20,091.46				
4a	14	4.05	154	623.70	1.208	753.43				
4b	14	3.90	154	600.60	1.208	725.52				
5	14	1.70	156	265.20	1.208	320.36				
6	20	4.50	156	702.00	2.466	1,731.13				
Total										48,108.08



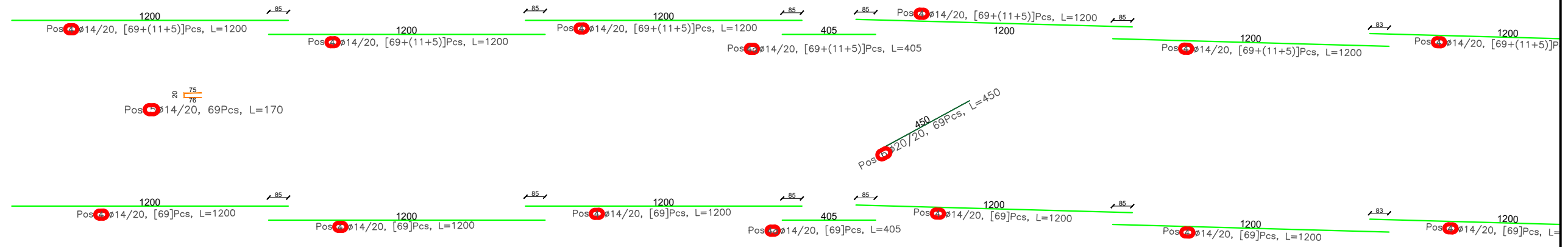
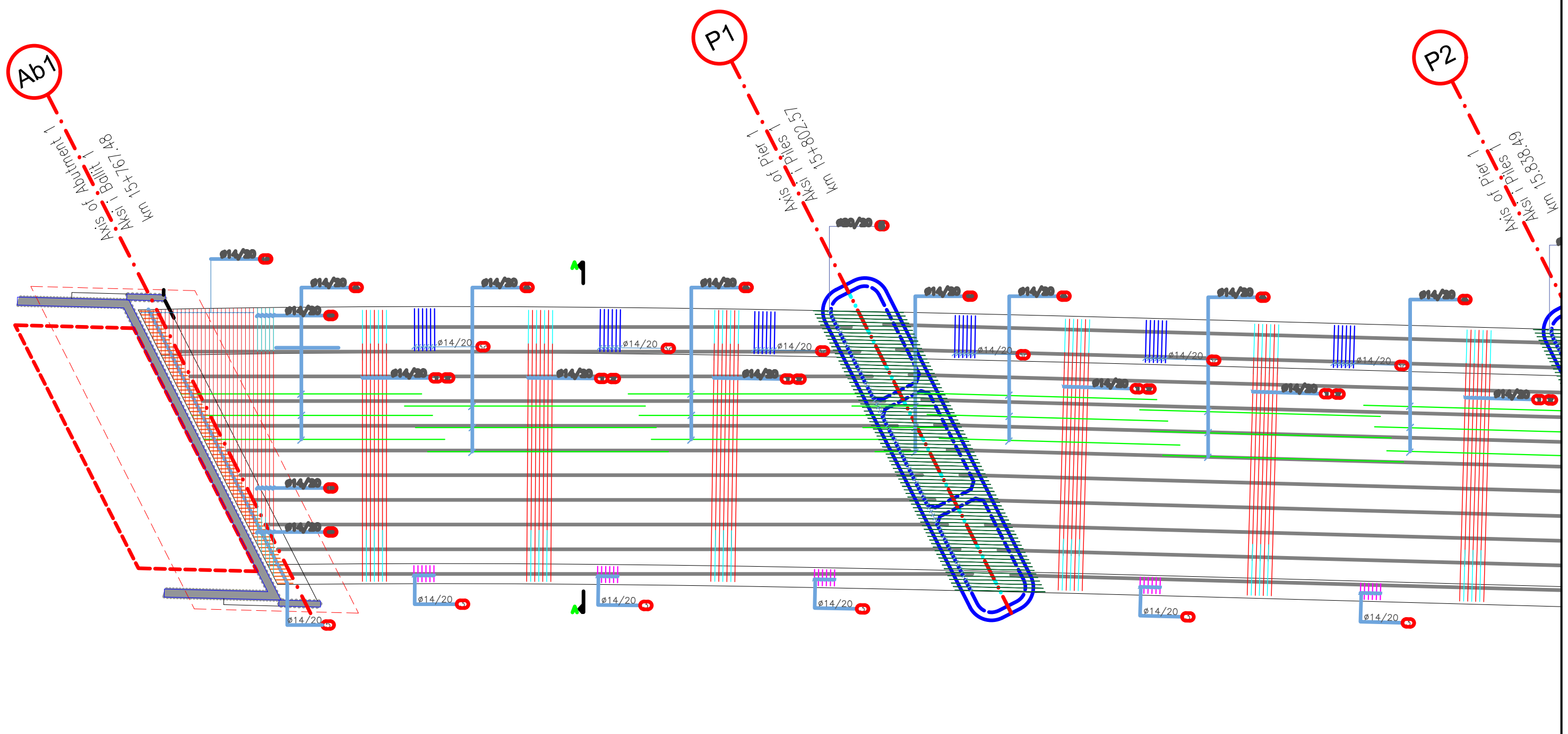
INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
Address: Rr. "Sami Frasherit", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al

InfraKonsult
konsultance Inzhinierike
JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)
Ura 5-Majtas, Armimi i seksionit terthor dhe planit te soletes / Bridge 5-Left, Cross Section and Slab Plan Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN
SHKALLA SCALE 1:75 Date: Tiranë 2023
VIZATIMI Nr: H.8 (1)
PAGE No:

PROJEKTUES:
DESIGN ENGINEERS:
Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al

InfraKonsult
 konsulence Inzhinierike

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqyrje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Armimi i seksionit terthor dhe planit te soletes / Bridge 5-Left, Cross Section and Slab Plan Reinforcement

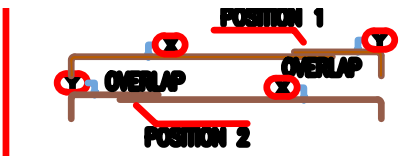
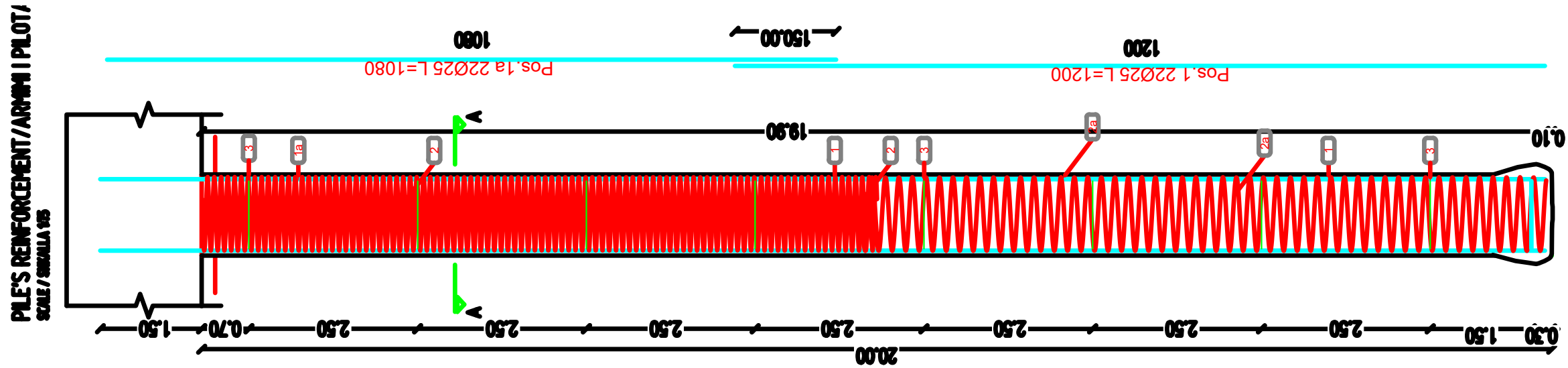
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA SCALE 1:200 Date: Tiranë 2023

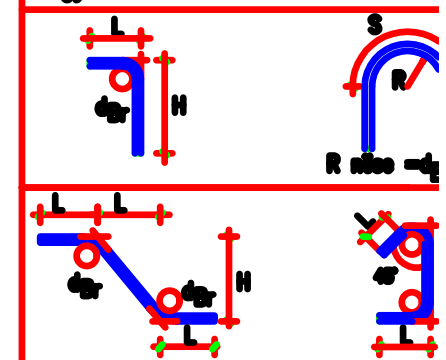
VIZATIMI Nr: H.8 (2)
 PAGE No:

PROJEKTUES: DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



Legjenda:

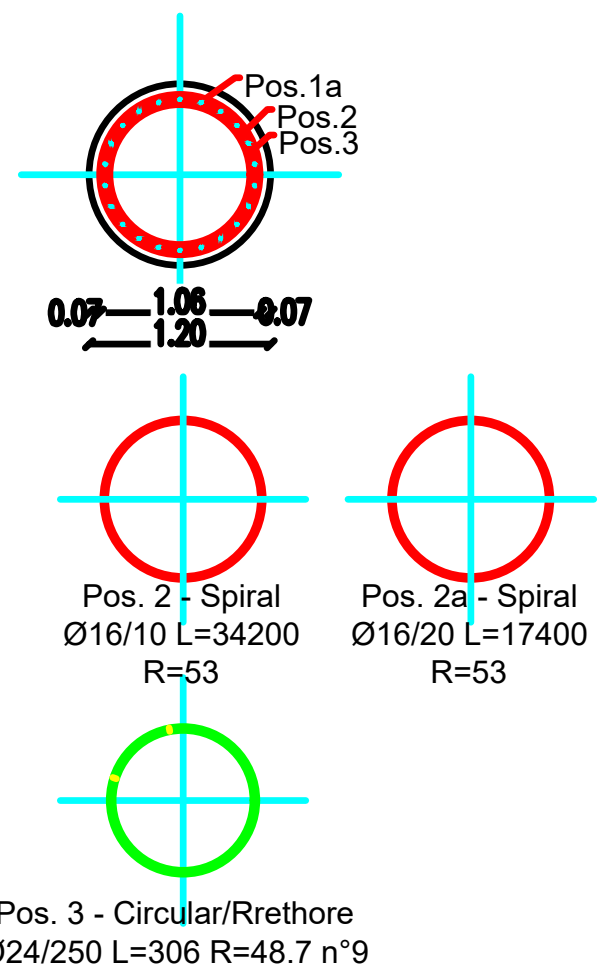


Diametri i kablave të shufrave d_b :

Ø Shufrë	2016	$d_b = 40$
Ø Shufrë	2016	$d_b = 70$

SHENIM:
 - Dimensionet e dhënë janë në cm.
 - Të cilësimit të shufrave.

SECTION A-A / SEKSIONI A-A
 SCALE / SHKALLA 1:50



Element: Pile (20m)(122 piles)

Position	Pieces	Ø (mm)	L (cm)	Total length	Weight (unit)	Weight (kg)
1	22	25	1200	264.00	3.851	1017
1a	22	25	1080	237.60	3.851	915
2	1	16	34200	342.00	1.578	540
2a	1	16	17400	174.00	1.578	274
3	9	24	306	27.54	3.549	98
Σ (kg)						2844
Total (kg)						346922

TABLE OF MATERIALS/TABELA E MATERIALI

CONCRETE/BETONI :
 According to UNI EN -206
 LEAN CONCRETE/BETON I VARTËR:
 - Class/Klasa C12/1
 - Exposure Class/Klasa e ekspozimit XC0
 FOUNDATIONS OF PIERS AND ABUTMENTS/Themeli i pilave dhe ballt
 - Class/Klasa C30/3
 - Exposure Class/Klasa e ekspozimit XC2
 ABUTMENT AND PIER ELEVATION/TRUPI I BALLNAVE DHE PILAVE
 - Class/Klasa C30/
 - Exposure Class/Klasa e ekspozimit XF2
 REINFORCED CONCRETE DECK, KERBS, LEVELING PADS
 REINFORCED CONCRETE DECK, KERBS, LEVELING PADS
 - Class/Klasa C30/
 - Exposure Class/Klasa e ekspozimit XF4
 REINFORCED CONCRETE BEAMS/TRARE BETONARME
 - Class/Klasa C45,
 - Exposure Class/Klasa e ekspozimit XC
 REINFORCED CONCRETE TRANSVERSE BEAMS/DIAFRAGMAT BETONARME
 - Class/Klasa C30,
 NOMINAL CONCRETE COVER/SHTRESAT MBROJTËS
 Slab deck/Soleta Cnom.= 35
 Beam/Trau Cnom.= 40
 Elevation/Muret Cnom.= 4C
 Foundation/Themeli Cnom.= 7C
 REINFORCEMENT STEEL/CELIKU
 Grade/Grada B500C
 Yield strength/Rez ne rrjedhshmeri fyk≥540t
 Ultimate tensile strength/Rez ne terheqje ftk≥500
 PRESTRESSED TENDONS/KAVOT E PARANDE
 fptk ≥1860 N/mm
 fp1k ≥1670 N/mm
 NOTE/SHENIM:
 Dimensions are given in cm, bars are given in
 Dimensionet dhe gjatesite e shufrave jane te dhena

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"
 Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al

InfraKonsult
 konsulence inzhinierike

HMK-CONSULTING SH.P.K
 Konsulence-Projektim-Mbikqarje

JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Armimi i Pilotave te Ures 5-Majtas/
 Bridge 5-Left, Pile Reinforcement

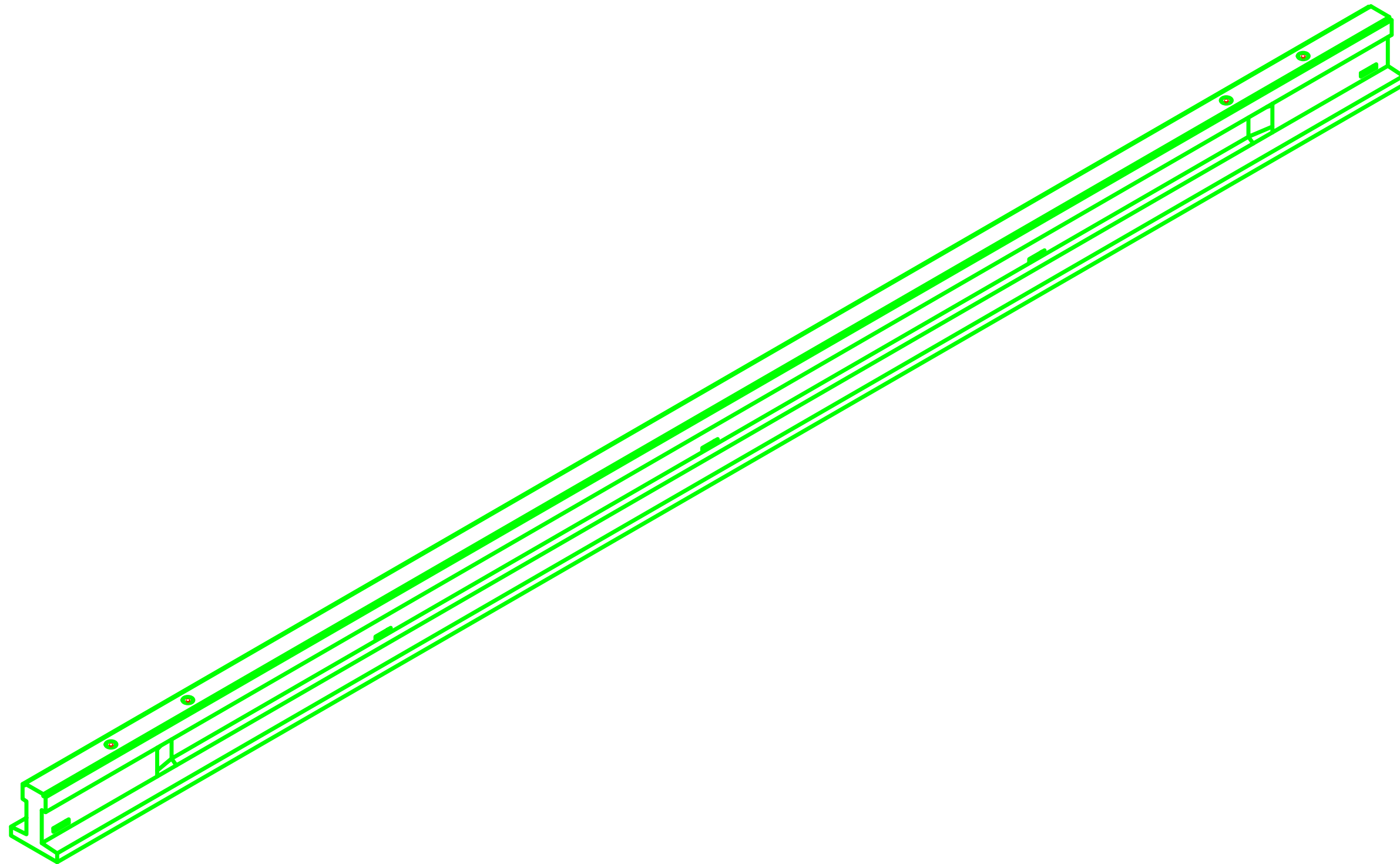
FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA 1:75
 SCALE 1:50 Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.9 (1)

PROJEKTUES::
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasherit", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

*"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrenjas-Qafe Thane" (Phase IV)*

*Ura 5-Majtas, Pamje 3D e traut te paranderur/
 Bridge 5-Left, 3D view of the Precasted
 prestressed Girder*

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

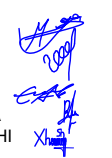
SHKALLA
 SCALE

Date: Tiranë 2023

VIZATIMI Nr: H.10 (1)
 PAGE No:

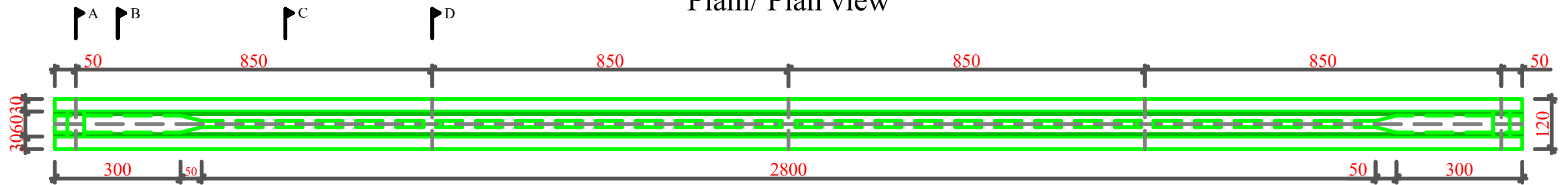
PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

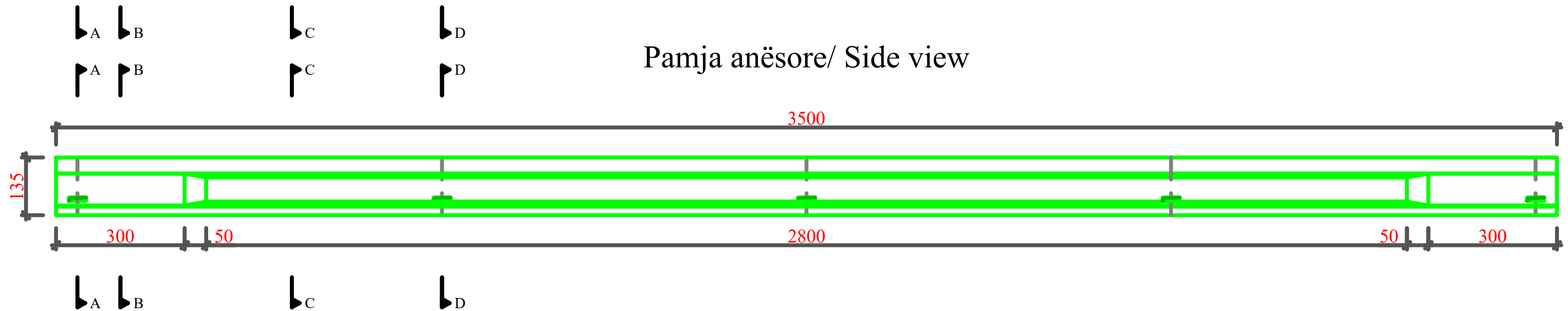


Gjeometria e traut/ Beam geometry - L = 35.00m - h = 1.50m - Sc 1:100

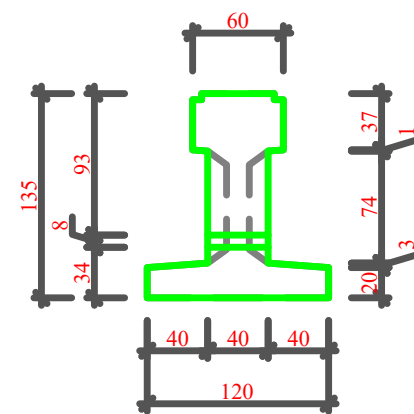
Plani/ Plan view



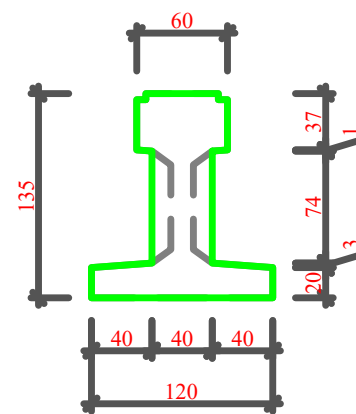
Pamja anësore/ Side view



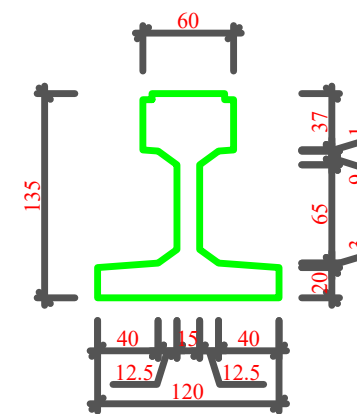
Prerja/ Section A-A - Shk/Sc 1:50



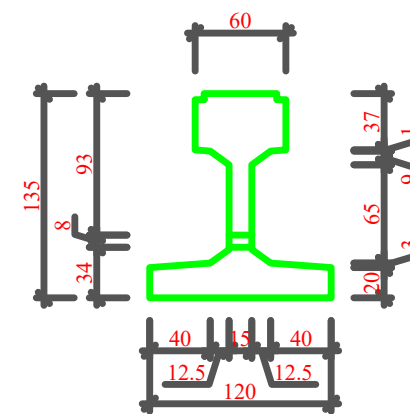
Prerja/ Section B-B - Shk/ Sc 1:50



Prerja/ Section C-C - Shk/Sc 1:50



Prerja/ Section D-D - Sh/Sc 1:50



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)
 Ura 5-Majtas, Gjeometria plani dhe pamja anësore e traut te paranderur/
 Bridge 5-Left, Precasted prestressed Girder geometry, plan and side view

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA 1:100
 SCALE 1:50

Date: Tiranë 2023

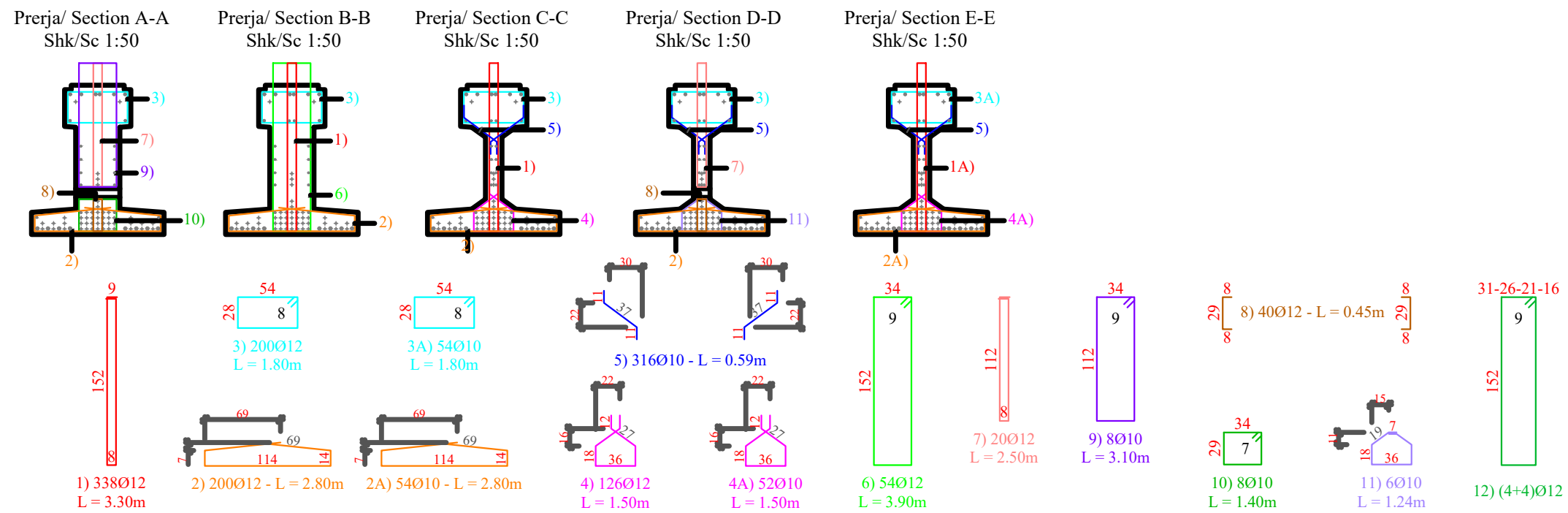
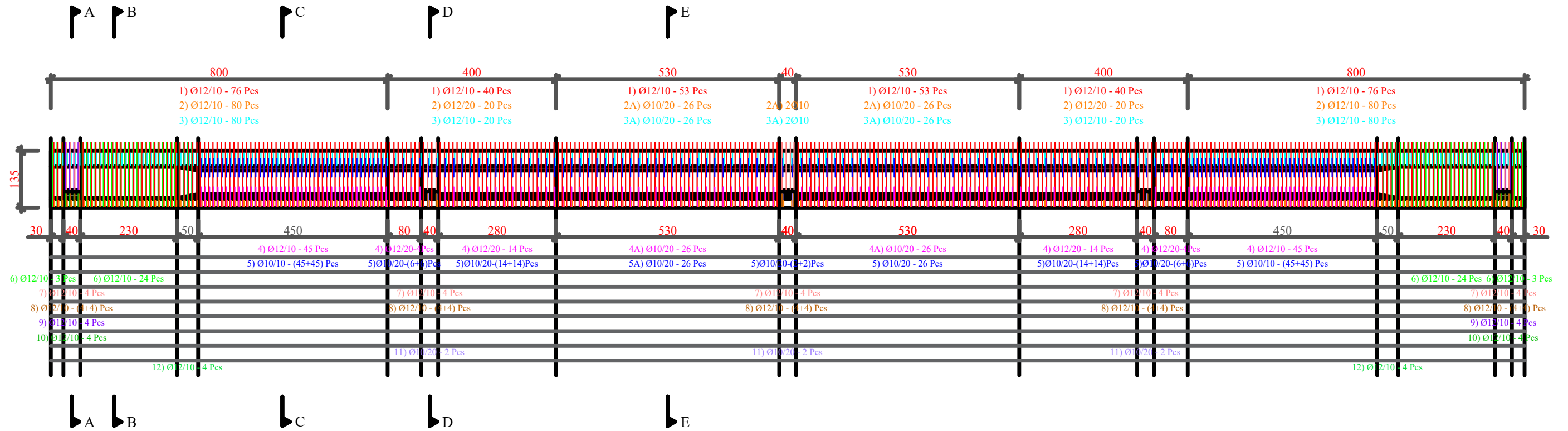
VIZATIMI Nr: H.10 (2)
 PAGE No:

PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

Armimi i traut/ Beam reinforcement - L = 35.00m - h = 1.35m - Sc 1:100

Armimi tërthor (stafat)/ Transverse reinforcement - Shk/Sc 1:100



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i traut te paranderur/ Bridge 5-Left, Precasted prestressed Girder Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:100

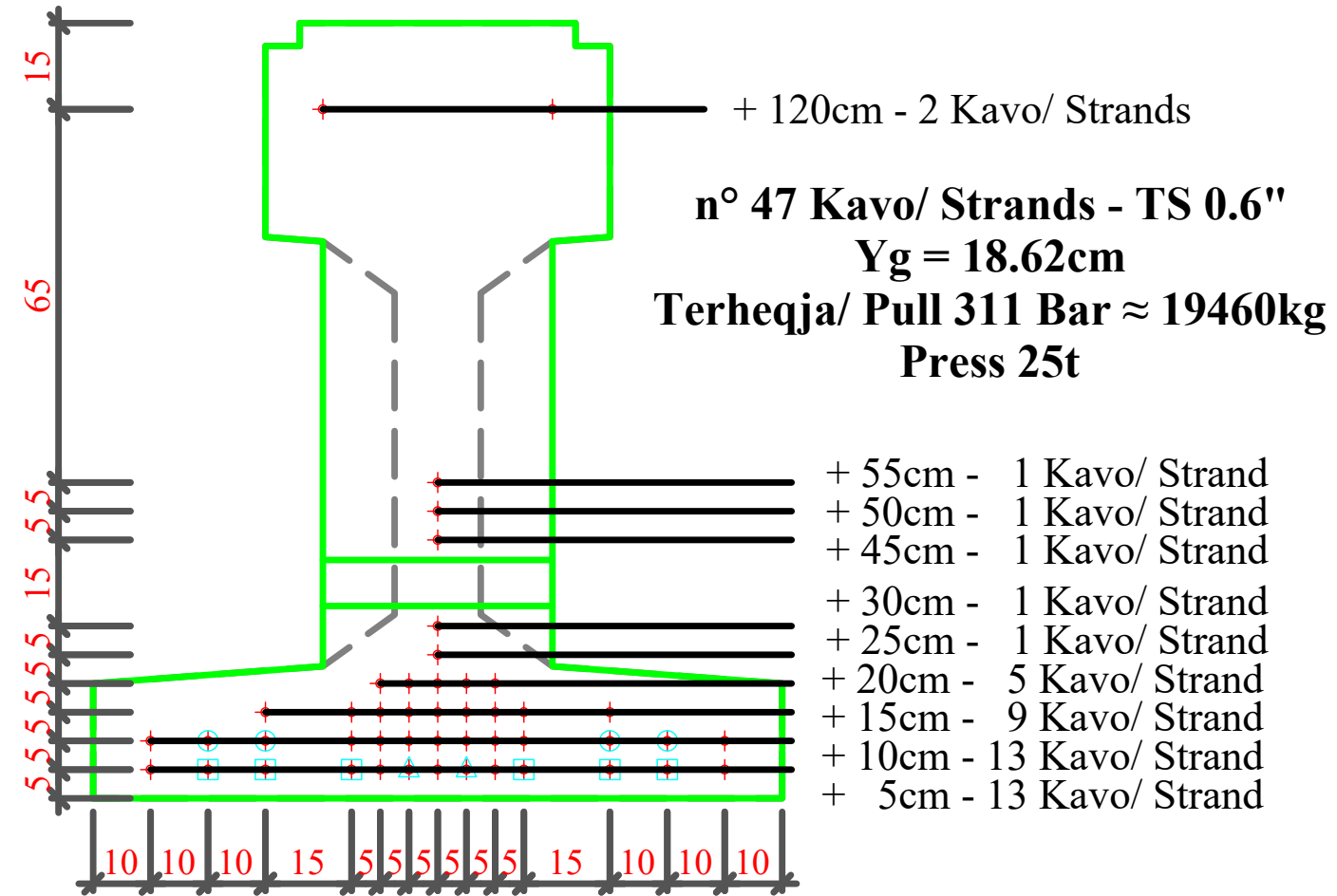
Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.10 (3)

PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

Kavot/ Precompression reinforcement - Shk/Sc 1:25



n° 47 Kavot/ Strands - TS 0.6"
Yg = 18.62cm
Terheqja/ Pull 311 Bar ≈ 19460kg
Press 25t

- + 120cm - 2 Kavot/ Strands
- + 55cm - 1 Kavot/ Strand
- + 50cm - 1 Kavot/ Strand
- + 45cm - 1 Kavot/ Strand
- + 30cm - 1 Kavot/ Strand
- + 25cm - 1 Kavot/ Strand
- + 20cm - 5 Kavot/ Strand
- + 15cm - 9 Kavot/ Strand
- + 10cm - 13 Kavot/ Strand
- + 5cm - 13 Kavot/ Strand

- n° 4 Tuba/ Sleeves - L = 400cm - Quote + 10cm
- △ n° 2 Tuba/ Sleeves - L = 300cm - Quote + 5cm
- n° 6 Tuba/ Sleeves - L = 200cm - Quote + 5cm



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Kavot/
 Bridge 5-Left, Precompression reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

SHKALLA
 SCALE 1:25

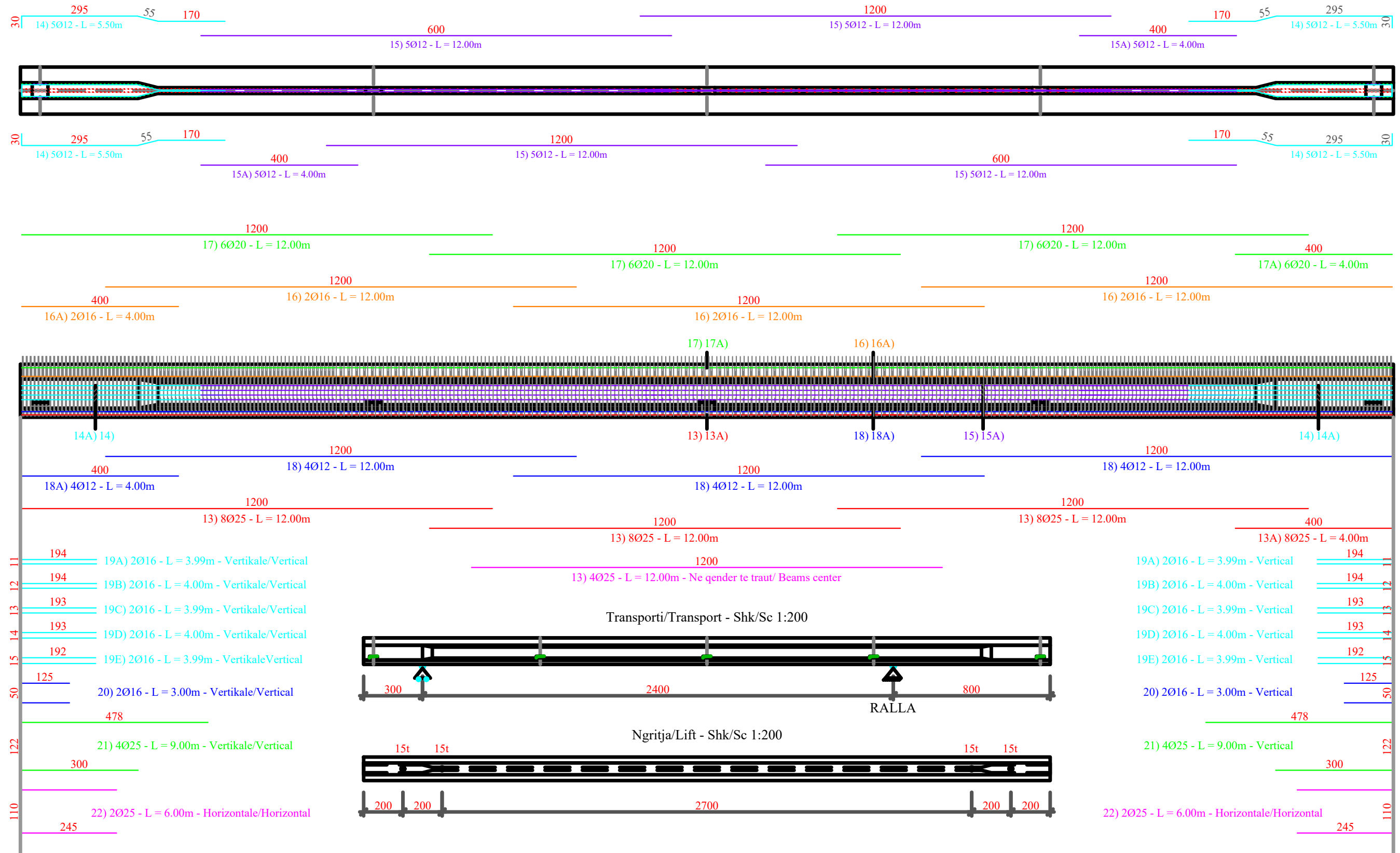
Date: Tiranë 2023

VIZATIMI Nr:
 PAGE No: H.10 (4)

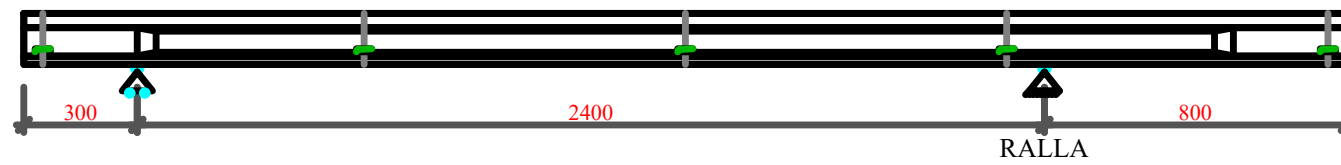
PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

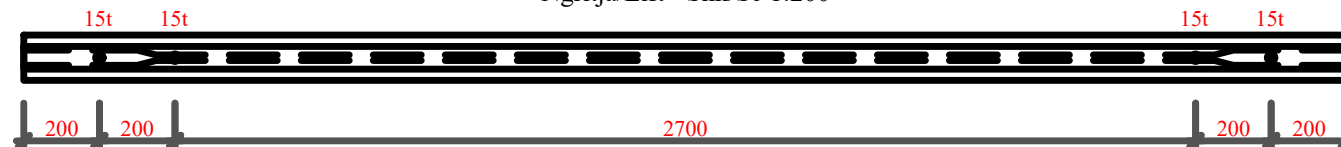
Armimi gjatësor/ Longitudinal reinforcement
Shk/Sc 1:100



Transporti/Transport - Shk/Sc 1:200



Ngritja/Lift - Shk/Sc 1:200



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi gjatesor i traut te paranderur/
Bridge 5-Left, Longitudinal reinforcement of the Girder

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:250

Date: Tiranë 2023

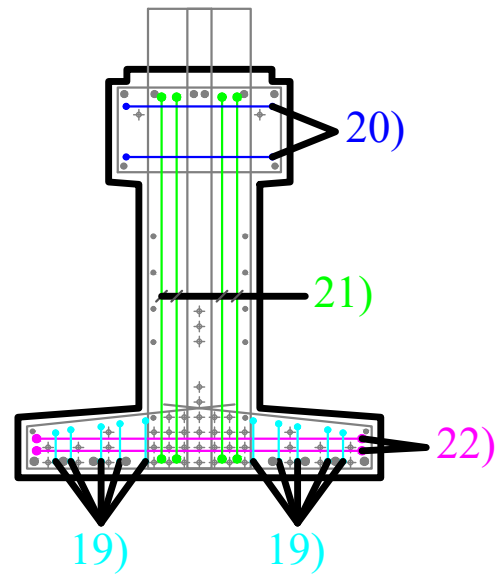
VIZATIMI Nr:
PAGE No: H.10 (5)

PROJEKTUES :
DESIGN ENGINEERS:

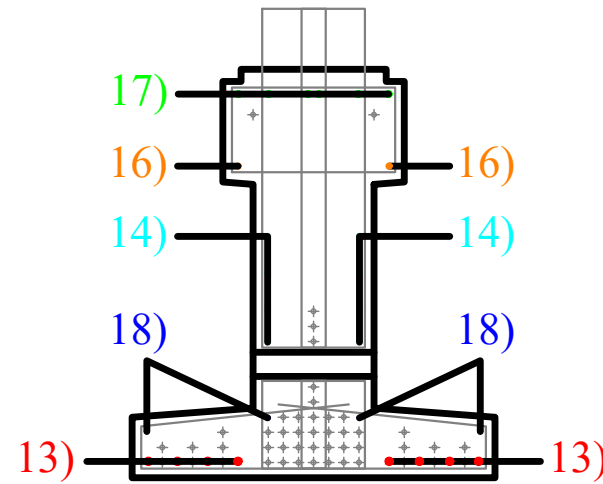
Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

Armimi gjatësor/ Longitudinal reinforcement
Shk/Sc 1:50

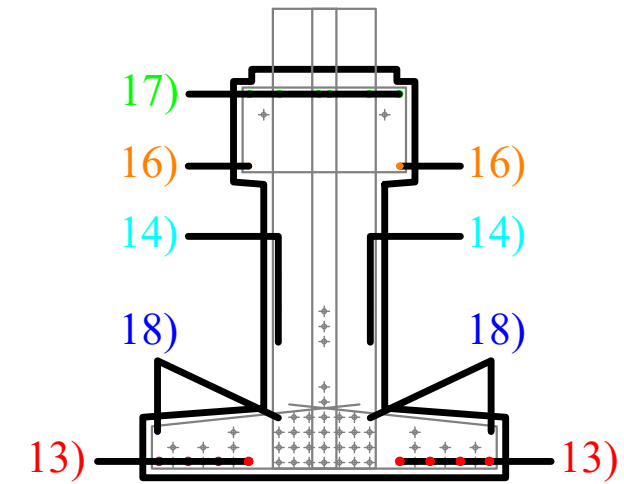
Prerja në mbështetje
Head section - Shk/Sc 1:50



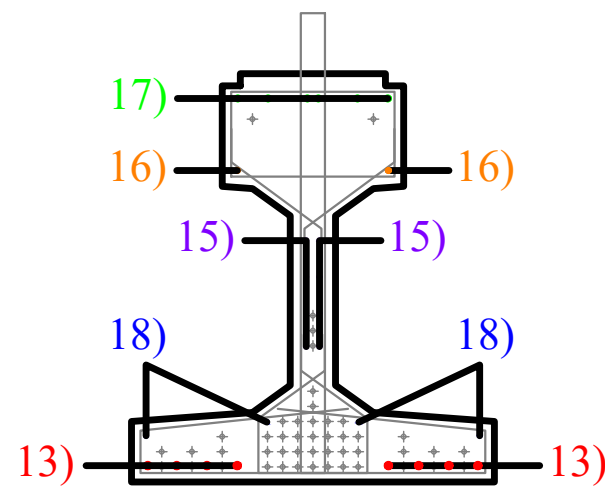
Prerja/Section A-A
Shk/Sc 1:50



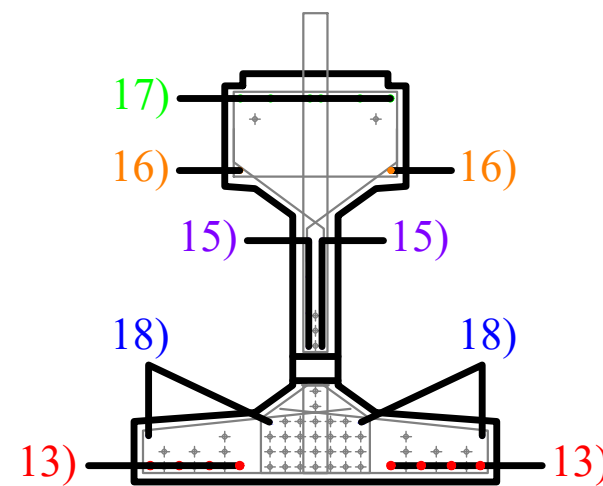
Prerja/Section B-B
Shk/Sc 1:50



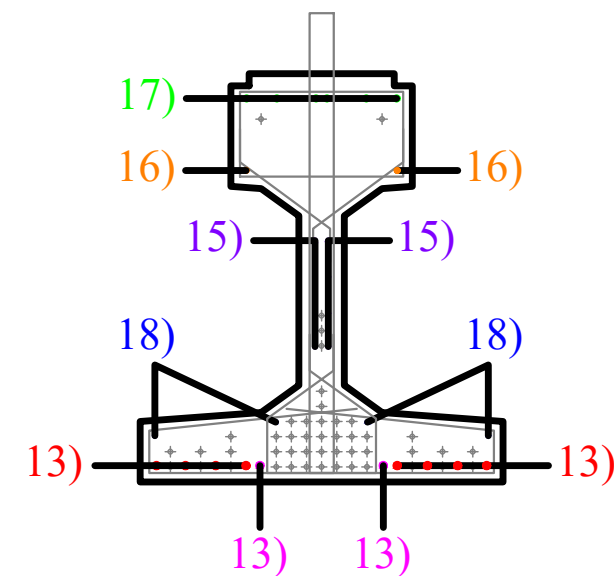
Prerja/Section C-C
Shk/Sc 1:50



Prerja/Section D-D
Shk/Sc 1:50



Prerja/Section E-E
Shk/Sc 1:50



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane

Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) /
"Design Study of road segment exit
Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi gjatesor i traut te
paranderur/
Bridge 5-Left, Longitudinal reinforcement of
the Girder

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:50

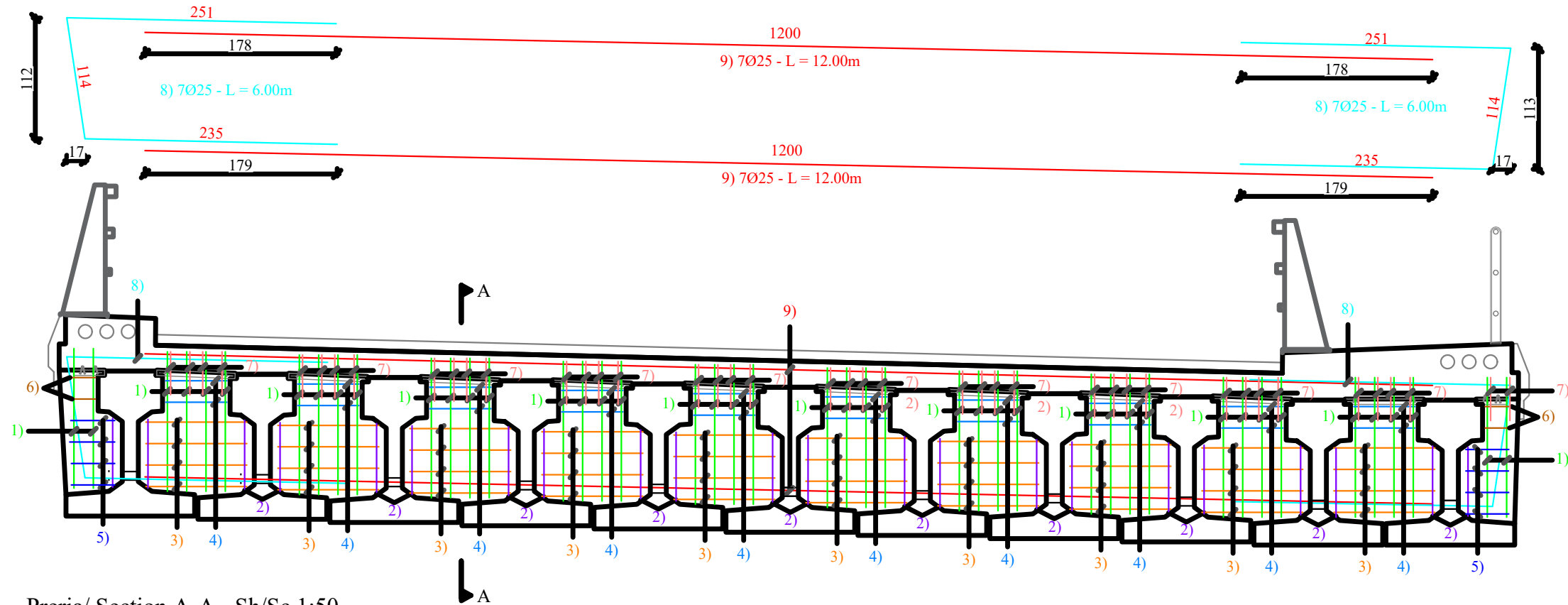
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.10 (6)

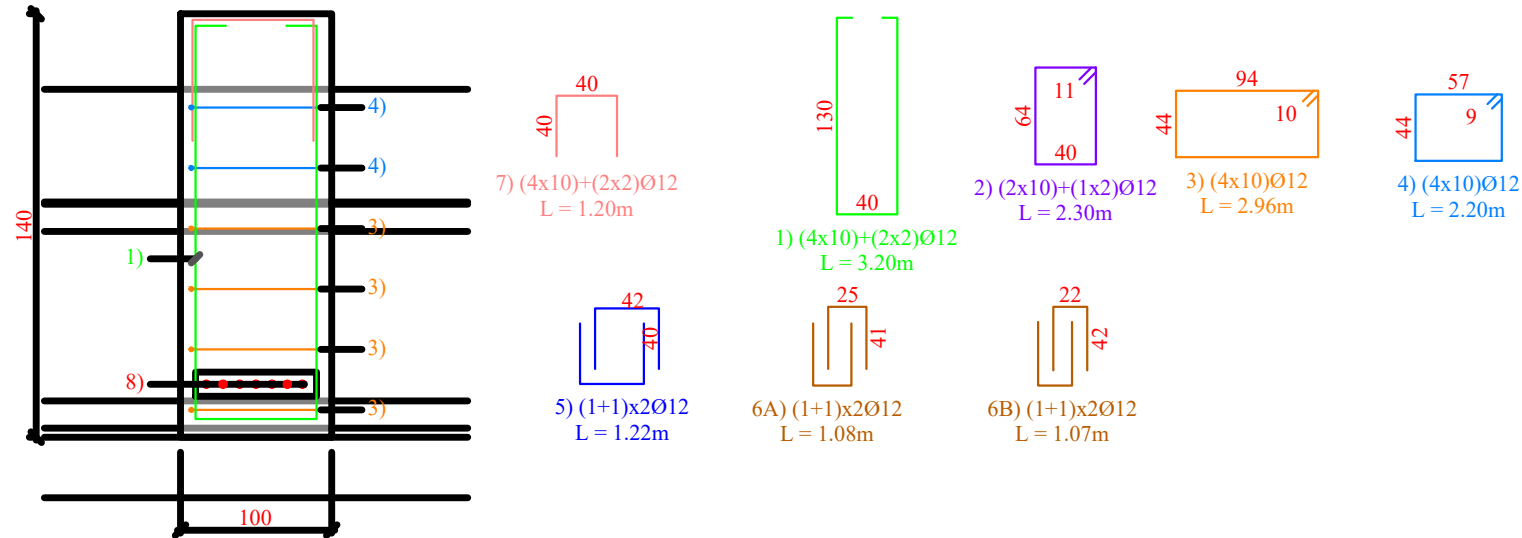
PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

Armimi i traut lidhës tërthror në hapsirë/ Central transverse beam reinforcement - Sh/Sc 1:100



Prerja/ Section A-A - Sh/Sc 1:50



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)
Ura 5-Majtas, Armimi i traut lidhes terthor ne hapsire/
Bridge 5-Left, Central transverse beam reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA 1:100
SCALE 1:50

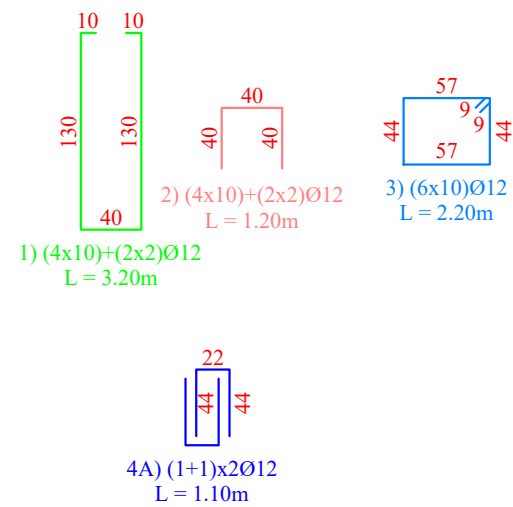
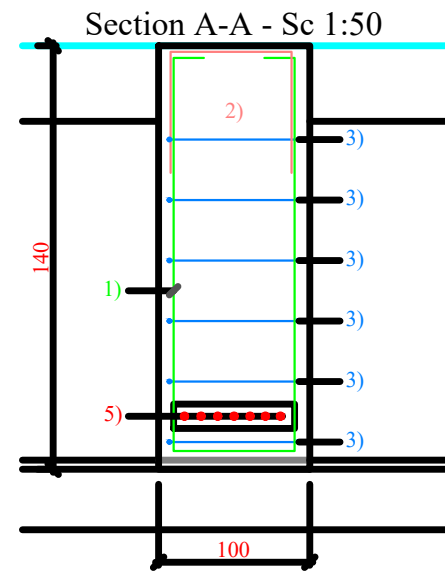
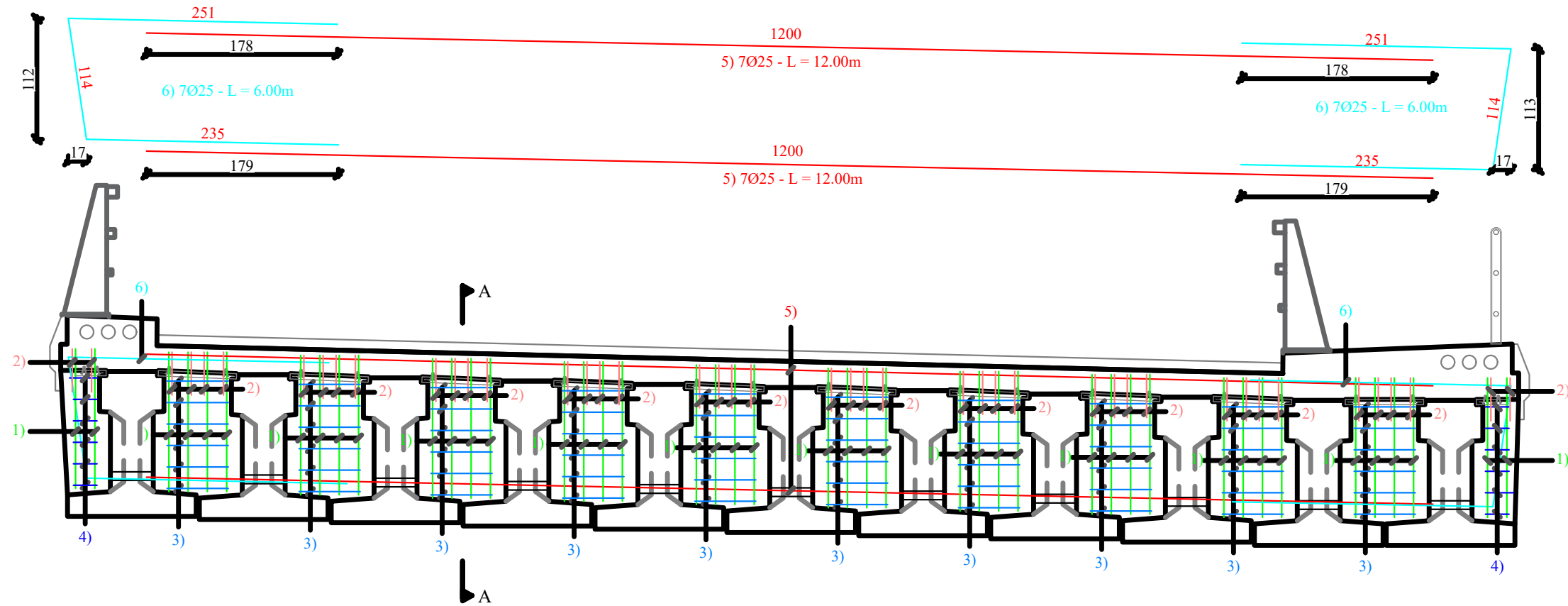
Date: Tiranë 2023

VIZATIMI Nr: H.10 (7)
PAGE No:

PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

Armimi i traut tërthor lidhës në mbështetje/ Head transverse beam reinforcement - Sh/Sc 1:100



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Armimi i traut lidhes terthor ne mbeshtetje/
Bridge 5-Left, Head transverse beam reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE 1:100

Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.10 (8)

PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

TABELA E HEKURIT PER TRAUN E PARANDERUR/ MAIN BEAM REINFORCEMENT - h = 1.35m - L = 35.00m										
Pozicioni/Position	Φ [mm]	L [m]	Copë/Pieces	Gjatesia totale/ Total Length [m]	Pesha njesi/ Unit Weight [kg/m]	Pesha/Weight [kg]	Φ [mm]	Gjatesia totale/ Total Length [m]	Pesha njesi/ Unit Weight [kg/m]	Pesha/Weight [kg]
							0	624.28	0.000	0.00
2A	10	2.80	54	151.20	0.617	93.29	12	3,014.52	0.888	2,676.89
3A	10	1.80	54	97.20	0.617	59.97	16	120.00	1.578	189.36
4A	10	1.50	52	78.00	0.617	48.13	20	252.00	2.466	621.43
5	10	0.59	316	186.44	0.617	115.03	25	464.00	3.853	1,787.79
7	10	2.50	20	50.00	0.617	30.85	Total			5,275.48
8	10	0.45	40	18.00	0.617	11.11	Kavo/Strands 0.6"			1,793.05
9	10	3.10	8	24.80	0.617	15.30	Vellimi i betonit/ Beam Volume			22.75 m3
10	10	1.40	8	11.20	0.617	6.91	Pesha e traut/ Beam weight			56.88 t
11	10	1.24	6	7.44	0.617	4.59	Gaxha/ Lifting Nails 15t			4.00 Pcs
1	12	3.30	338	1,115.40	0.888	990.48	Tuba/ Cable Sleeves			68.00 m
2	12	2.80	200	560.00	0.888	497.28	Klasa e çelikut/ Steel reinforcement			B450C
3	12	1.80	200	360.00	0.888	319.68	Klasa e betonit/ Beam Concrete			C40/55
4	12	1.50	126	189.00	0.888	167.83	Rezistenca e betonit ne prerjen e kavove/ Concrete Cutting Cables R_{ckj}			40 MPa
6	12	3.90	54	210.60	0.888	187.01	Shtresa mbrojtëse/ Concrete cover			3.00 cm
12	12	3.69	8	29.52	0.888	26.21	Dimensioni maksimal i agregateve/ Max Aggregate Diameter			2.50 cm
14	12	5.50	20	110.00	0.888	97.68				
15	12	12.00	20	240.00	0.888	213.12				
15A	12	4.00	10	40.00	0.888	35.52				
18	12	12.00	12	144.00	0.888	127.87				
18A	12	4.00	4	16.00	0.888	14.21				
16	16	12.00	6	72.00	1.578	113.62				
16A	16	4.00	2	8.00	1.578	12.62				
19	16	4.00	10	40.00	1.578	63.12				
17	20	12.00	18	216.00	2.466	532.66				
17A	20	4.00	6	24.00	2.466	59.18				
20	20	3.00	4	12.00	2.466	29.59				
13	25	12.00	28	336.00	3.853	1,294.61				
13A	25	4.00	8	32.00	3.853	123.30				
21	25	9.00	8	72.00	3.853	277.42				
22	25	6.00	4	24.00	3.853	92.47				
Gaxha/Nails	15.00 t	-	4	-	-	-				
Kavo/Strands	0.60 Inc	35.00	47	1,645.00	1.090	1,793.05				
Total										5,660.66

TABELA E HEKURIT PER TRAUN LIDHES TERTHOR TE HAPSIRES/ CENTRAL TRANSVERSE BEAM REINFORCEMENT TABLE										
Pozicioni/Position	Φ [mm]	L [m]	Copë/Pieces	Gjatesi totale/ Total Length [m]	Pesha njesi/ Unit weight [kg/m]	Pesha/Weight [kg]	Φ [mm]	Gjatesia totale/ Total Length [m]	Weight [kg/m]	Weight [kg]
1	12	3.20	44	140.80	0.888	125.03	12	464.12	0.888	412.14
2	12	2.30	22	50.60	0.888	44.93	25	252.00	3.853	970.96
3	12	2.96	40	118.40	0.888	105.14	Total			1,383.09
4	12	2.20	40	88.00	0.888	78.14	Çeliku/Steel			B450C
5	12	1.22	4	4.88	0.888	4.33	Betoni/Concrete			C32/40
6A	12	1.08	4	4.32	0.888	3.84				
6B	12	1.08	4	4.32	0.888	3.84				
7	12	1.20	44	52.80	0.888	46.89				
8	25	6.00	14	84.00	3.853	323.65				
9	25	12.00	14	168.00	3.853	647.30				
Total						1,383.09				

TABELA E HEKURIT PER TRAUN LIDHES TERTHOR TE MBESHETJES/ HEAD TRANSVERSE BEAM REINFORCEMENT TABLE										
Pozicioni/Position	Φ [mm]	L [m]	Copë/Pieces	Gjatesi totale/ Total Length [m]	Pesha njesi/ Unit weight [kg/m]	Pesha/Weight [kg]	Φ [mm]	Gjatesia totale/ Total Length [m]	Pesha njesi/ Unit weight [kg/m]	Pesha/Weight [kg]
1	12	3.20	44	140.80	0.888	125.03	12	352.00	0.888	312.58
2	12	1.20	44	52.80	0.888	46.89	25	252.00	3.853	970.96
3	12	2.20	60	132.00	0.888	117.22	Total			1,283.53
4A	12	1.10	24	26.40	0.888	23.44	Çeliku/Steel			B450C
5	25	6.00	14	84.00	3.853	323.65				
6	25	12.00	14	168.00	3.853	647.30				
Total						1,283.53				



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane

Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk



"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrenjas-Qafe Thane" (Phase IV)

Ura 5-Majtas, Tabelat e hekurit/ Bridge 5-Left, Reinforcement tables

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA
SCALE

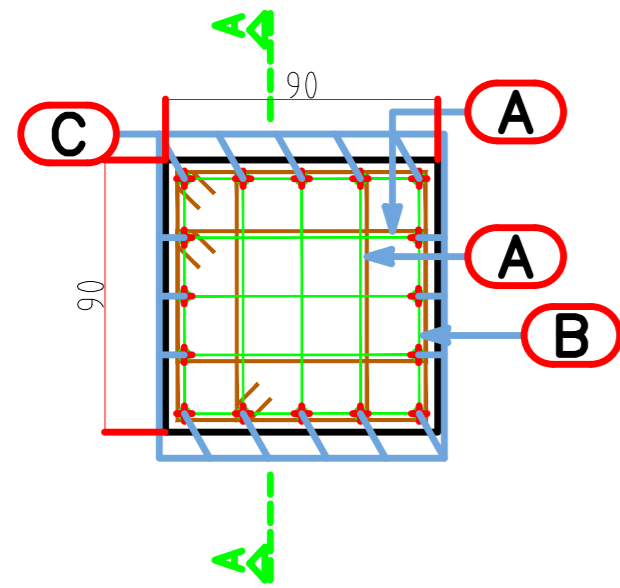
Date: Tiranë 2023

VIZATIMI Nr:
PAGE No: H.10 (9)

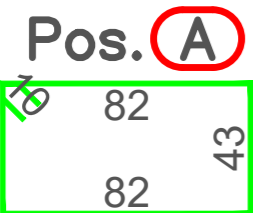
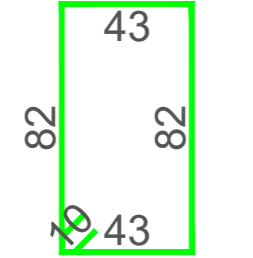
PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI

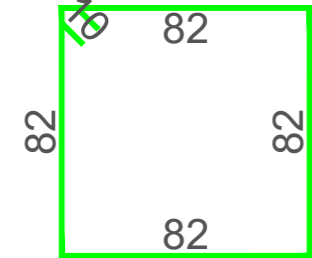
STOLI I NIVELIT 1/ LEVELING PAD 1



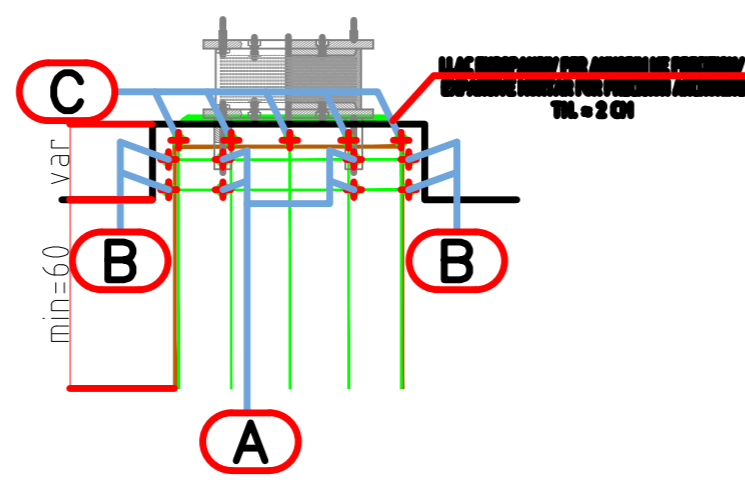
Pos. **A**
 $\phi 16/10$ $n^{\circ}=4$ $L=270$



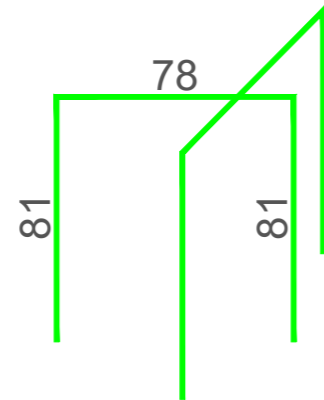
Pos. **B**
 $\phi 16/10$ $n^{\circ}=2$ $L=348$



**PRERJA/ SECTION A-A
 SHKALLA/SCALE 1:25**

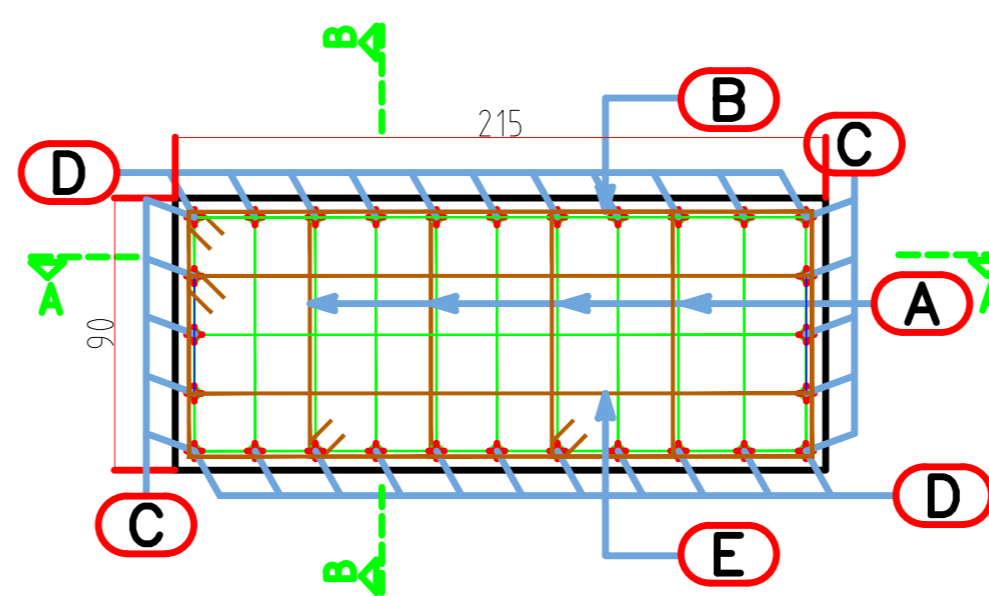


Pos. **C**
 $\phi 20/20$ $n^{\circ}=5 \times 2=10$ $L=240$

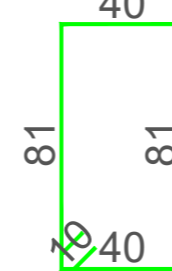


Min height of supports has to be determined based on the vertical diameter of the chosen bearings

STOLI I NIVELIT 2/ LEVELING PAD 2



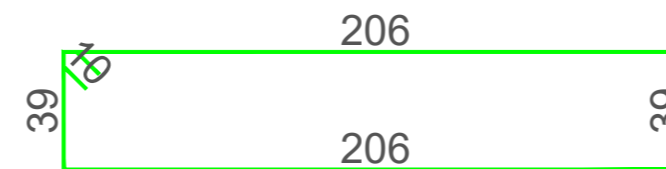
Pos. **A**
 $\phi 16/10$ $n^{\circ}=2 \times 4=8$ $L=262$



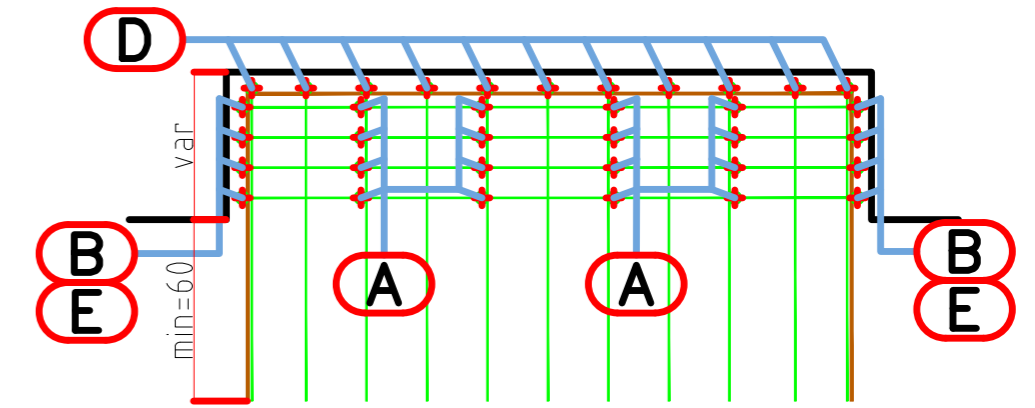
Pos. **B**
 $\phi 16/10$ $n^{\circ}=1 \times 4=4$ $L=594$



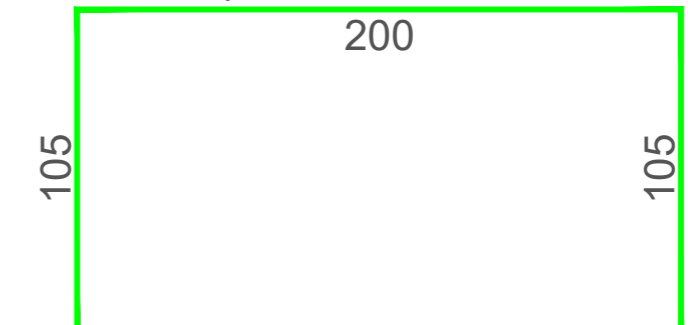
Pos. **E**
 $\phi 16/10$ $n^{\circ}=1 \times 4=4$ $L=510$



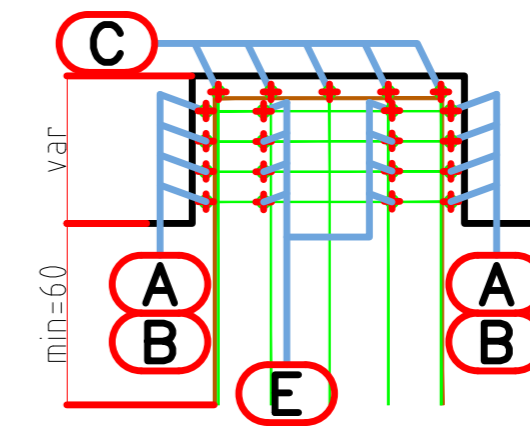
**PRERJA/ SECTION A-A
 SHKALLA/SCALE 1:50**



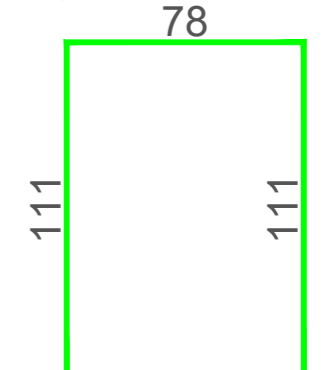
Pos. **C**
 $\phi 20/20$ $n^{\circ}=5$ $L=410$



**PRERJA/SECTION B-B
 SHKALLA/SCALE 1:50**



Pos. **D**
 $\phi 20/20$ $n^{\circ}=11$ $L=300$



Min height of supports has to be determined based on the vertical diameter of the chosen bearings



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor
 dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit
 Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Armimi i stolave dhe mbeshtetjet/
 Leveling pad Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

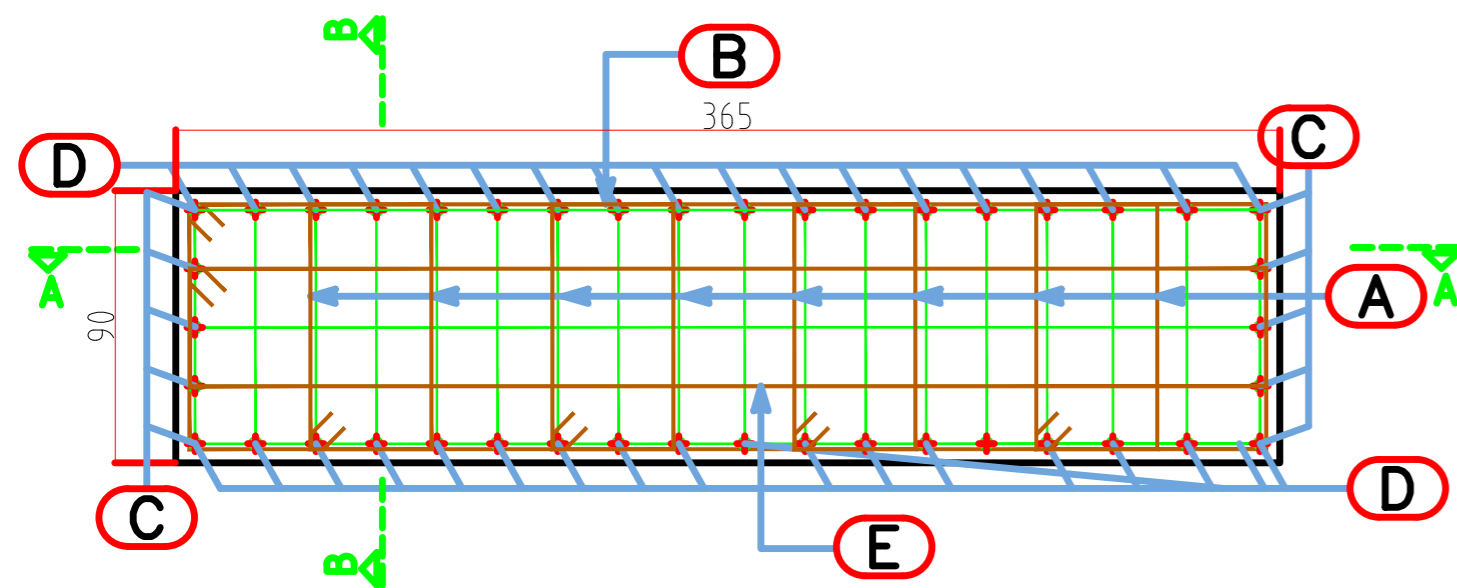
SHKALLA SCALE 1:25 Date: Tiranë 2023

VIZATIMI Nr: H.11 (1)
 PAGE No:

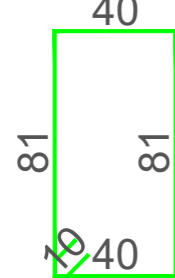
PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

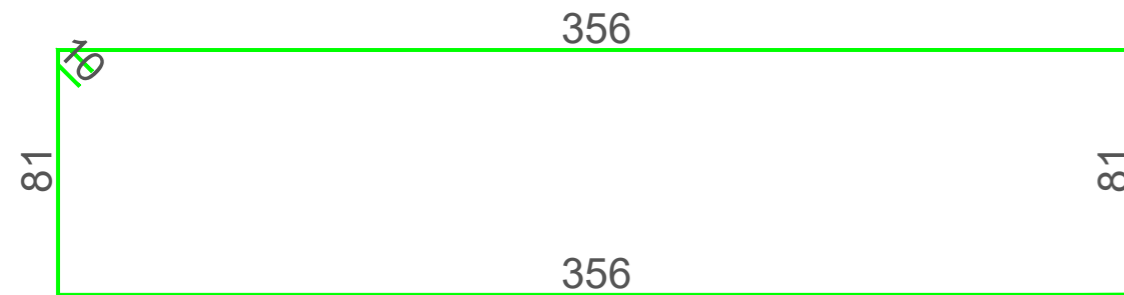
STOLI I NIVELIMIT 2/ LEVELING PAD 2



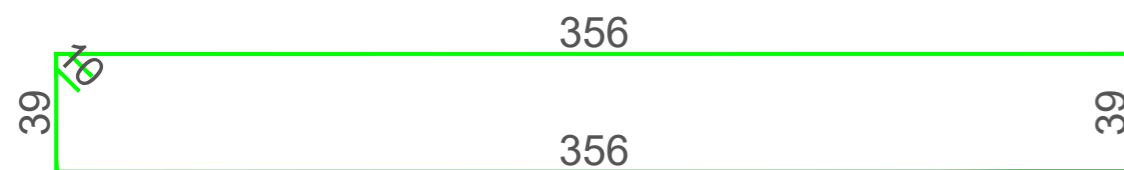
Pos. **A**
 $1\phi 16 \ n^{\circ}=4 \times 5=20 \ L=262$



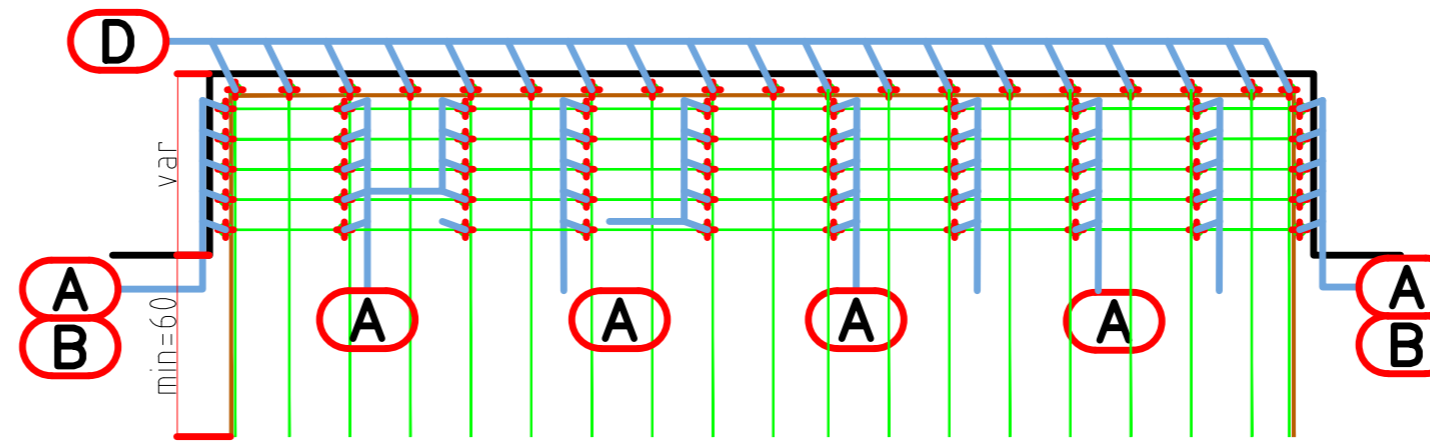
Pos. **B**
 $1\phi 16 \ n^{\circ}=1 \times 5=5 \ L=894$



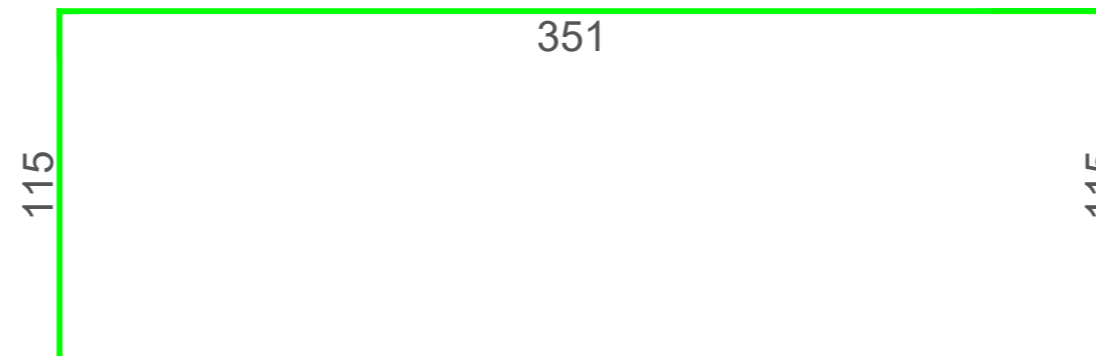
Pos. **E**
 $\phi 16/10 \ n^{\circ}=1 \times 5=5 \ L=810$



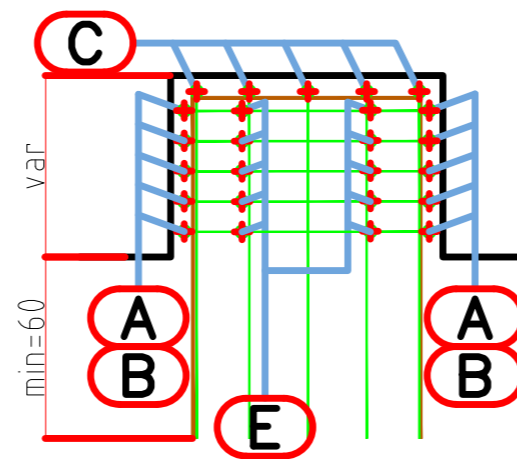
**PRERJA/ SECTION A-A
 SHKALLA/SCALE 1:50**



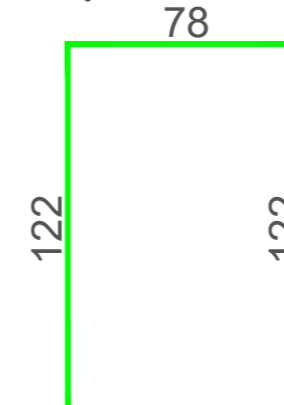
Pos. **C**
 $\phi 20 \ n^{\circ}=5 \ L=581$



**PRERJA/SECTION B-B
 SHKALLA/SCALE 1:50**



Pos. **D**
 $\phi 20/20 \ n^{\circ}=19 \ L=300$



(4) Note: height of supports has to be determined based on the vertical diameter of the chosen bearings

STOLAT PER NIVELIM/ LEVELING PADS

Element:Stolat per nivelim 1 / Levelin Pad 1 (total 24 pcs)						
Pozicioni/ Position	Cope/Pieces	Ø (mm)	L (cm)	Gjatesia totale/Total length	Pesha njesi/Weight (unit)	Pesha/Weight (kg)
A	4	16	270	10.80	1.578	17
B	2	16	348	6.96	1.578	11
C	10	20	240	24.00	2.465	59
Σ (kg)						87
Total (kg)						2092

Element:Stolat per nivelim 2/ Levelin Pad 2 (total 12 pcs)						
Pozicioni/ Position	Cope/Pieces	Ø (mm)	L (cm)	Gjatesia totale/Total length	Pesha njesi/Weight (unit)	Pesha/Weight (kg)
A	8	16	262	20.96	1.578	33
B	4	16	594	23.76	1.578	37
C	5	20	410	20.50	2.465	51
D	11	20	300	33.00	2.465	81
E	4	16	510	20.40	1.578	32
Σ (kg)						235
Total (kg)						2815

Element:Stolat per nivelim 3/ Levelin Pad 3 (total 6 pcs)						
Pozicioni/ Position	Cope/Pieces	Ø (mm)	L (cm)	Gjatesia totale/Total length	Pesha njesi/Weight (unit)	Pesha/Weight (kg)
A	20	16	262	52.40	1.578	83
B	5	16	894	44.70	1.578	71
C	5	20	410	20.50	2.465	51
D	19	20	300	57.00	2.465	140
E	5	16	810	40.50	1.578	64
Σ (kg)						408
Total (kg)						2449

INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrerjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrerjas-Qafe Thane" (Phase IV)

Armimi i stolave dhe mbeshtetjet/ Leveling pad Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

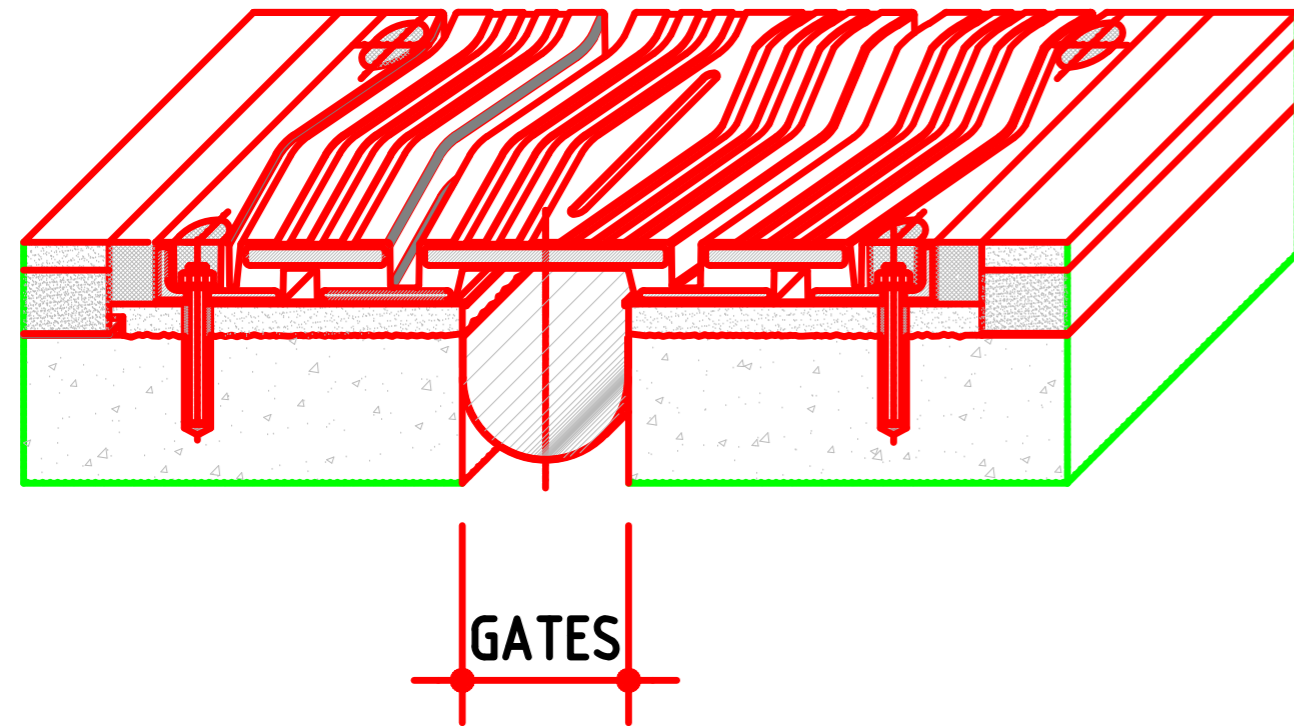
SHKALLA SCALE 1:25 Date: Tiranë 2023

VIZATIMI Nr: H.11 (2)
 PAGE No:

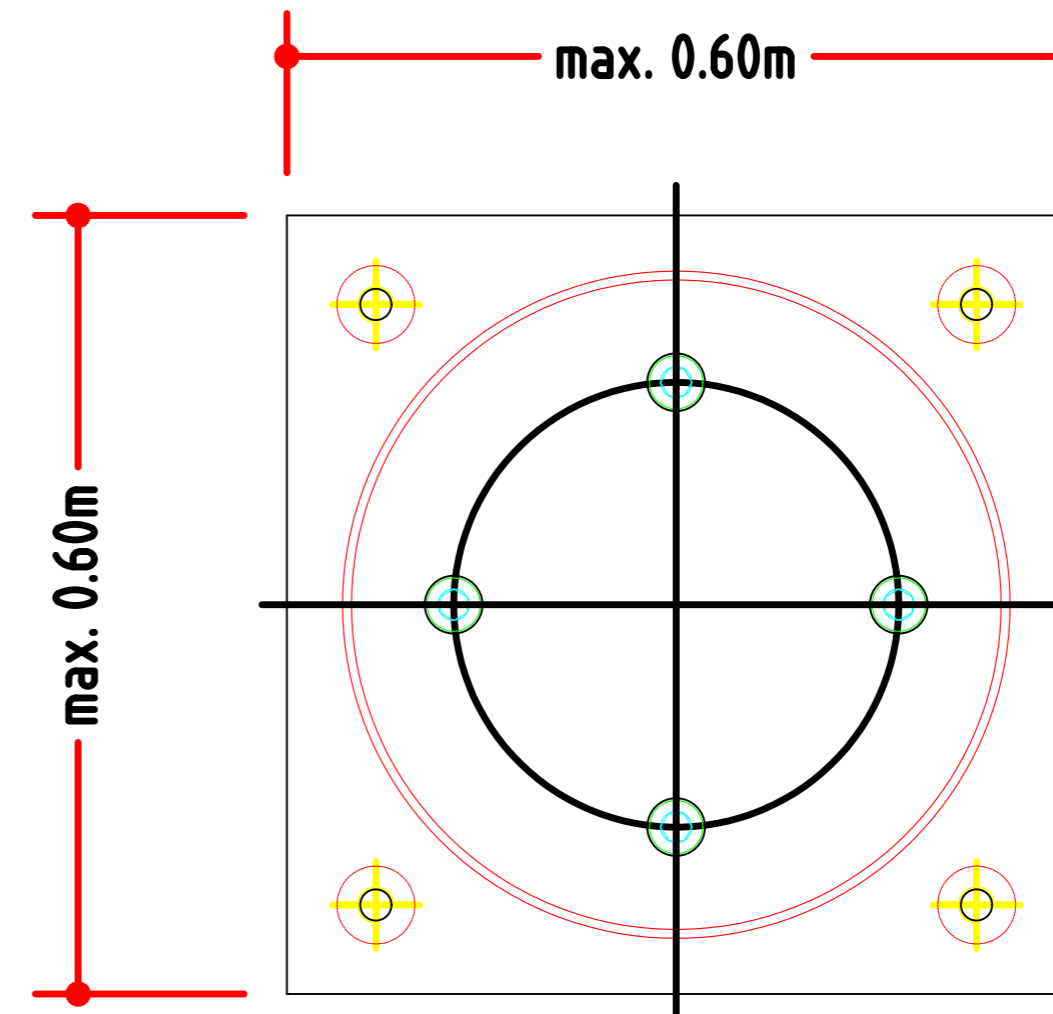
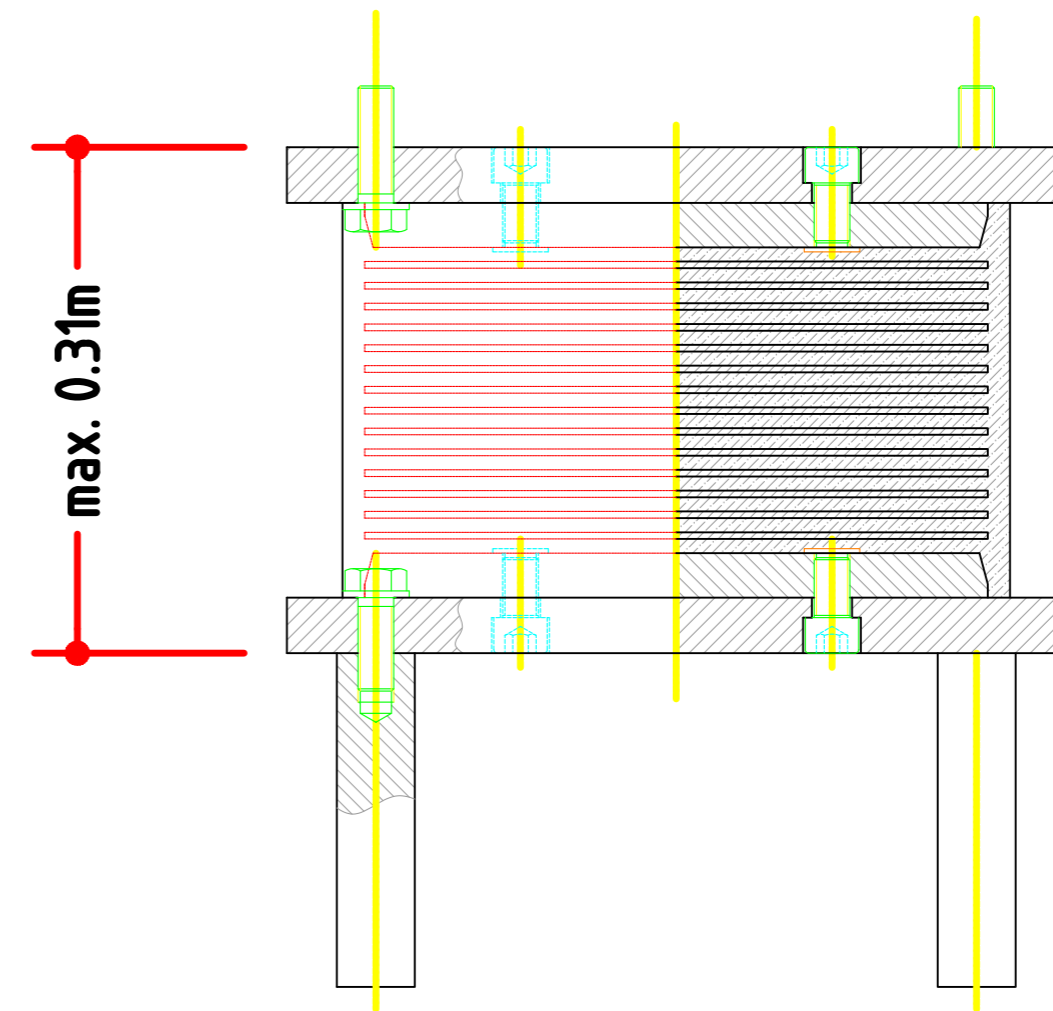
PROJEKTUES :
 DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

DILATATION JOINT



ELASTOMERIC ISOLATORS



MULTIDIRECTIONAL ELASTOMERIC ISOLATORS WITH HIGH DAMPING
 $K_v = 2.18 \text{ kN/mm}$
 $\xi = 15\%$
 $\Phi_{\text{isolatore}} = 550 \text{ mm (INDICATIVE)}$
 $H_{\text{tot. isol.}} = 154 \text{ mm (INDICATIVE)}$
ANCHOR PADS 600x600 mm (INDICATIVE)



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
 Mob: 04 222 3600
 E-mail: info@arsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrenjas-Qafe Thane", (Faza IV) /
 "Design Study of road segment exit Elbasan-Prrenjas-Qafe Thane" (Phase IV)

Armimi i stolave dhe mbeshtetjet/
 Leveling pad Reinforcement

FAZA - PROJEKT ZBATIM
 PHASE - DETAIL DESIGN

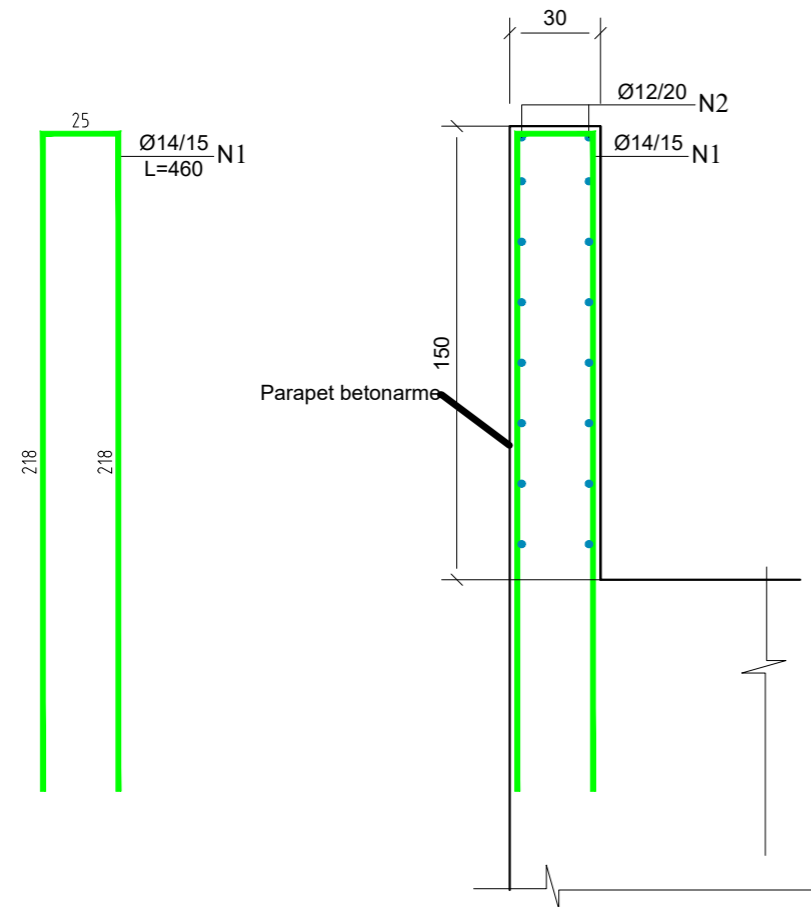
SHKALLA SCALE 1:25 Date: Tiranë 2023

VIZATIMI Nr: H.11 (3)
 PAGE No:

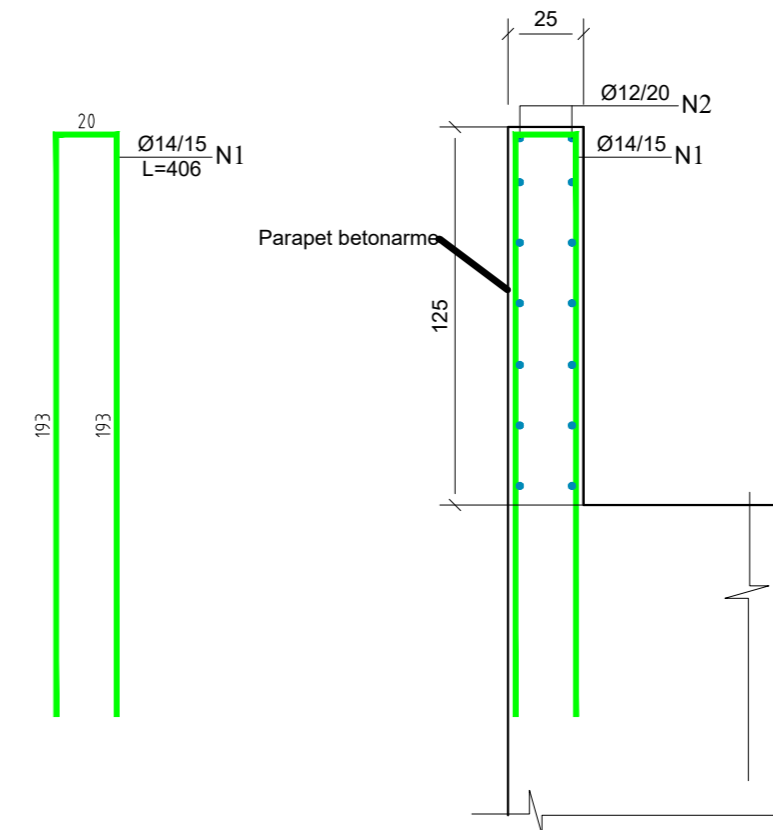
PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
 Ing./Eng. Redi STRUGA
 Ing./Eng. Eduart KUKA
 Ing./Eng. Renaldo MERKA
 Ing./Eng. Xhona SHPARTHI

TIPI 1
H=30CM TEK BALLI
SHK. 1:25



TIPI 2 TEK PILAT
H=25CM
SHK. 1:25



ELEMENTI		SPECIFIKIMI I ARMATURES					SPECIFIKIMI I ELEMENTIT			TOTALI (KG)	
Tipi	Cop	Poz	φ	l (cm)	cope	L (m)	φ	ΣLtot(m)	Pesha (per kg)		
Parapeti Tipi 1 H 150cm	8 ml	N1	14	460	7	32.2	6		0.222		
		N2	12	100	16	16	8		0.395		
								10		0.617	
								12	128	0.888	114
								14	258	1.208	311
								16		1.578	
								18		1.998	
								20		2.466	
								22		2.984	
								24		3.551	
								25		3.853	
									425		

ELEMENTI		SPECIFIKIMI I ARMATURES					SPECIFIKIMI I ELEMENTIT			TOTALI (KG)	
Tipi	Cop	Poz	φ	l (cm)	cope	L (m)	φ	ΣLtot(m)	Pesha (per kg)		
Parapeti Tipi 1 H 150cm	13.6 ml	N1	14	406	7	28.42	6		0.222		
		N2	12	100	14	14	8		0.395		
								10		0.617	
								12	190	0.888	169
								14	387	1.208	467
								16		1.578	
								18		1.998	
								20		2.466	
								22		2.984	
								24		3.551	
								25		3.853	
									636		



INVESTITORI / INVESTOR
"Autoriteti Rrugor Shqiptar"

Address: Rr. "Sami Frasheri", Nr 33, Tirane
Mob: 04 222 3600
E-mail: info@arrsh.gov.al



JV: "InfraKonsult" shpk & "HMK-Consulting" shpk

"Studim Projektim - Zgjerimi i segmentit rrugor dalje Elbasan-Prrrenjas-Qafe Thane", (Faza IV) / "Design Study of road segment exit Elbasan-Prrrenjas-Qafe Thane" (Phase IV)

Armimi i Parapeteve
Parapet Reinforcement

FAZA - PROJEKT ZBATIM
PHASE - DETAIL DESIGN

SHKALLA SCALE 1:25 Date: Tiranë 2023

VIZATIMI Nr: H.11 (4)
PAGE No:

PROJEKTUES :
DESIGN ENGINEERS:

Ing./Eng. Sokol METOJA
Ing./Eng. Redi STRUGA
Ing./Eng. Eduart KUKA
Ing./Eng. Renaldo MERKA
Ing./Eng. Xhona SHPARTHI