

- L01\_CYLINDRICAL LIGHTING 5m
- L07\_SYMMETRICAL IN-GROUND LUMINAIRE
- L08\_ASYMMETRICAL IN-GROUND LUMINAIRE / WALLWASHER
- L09\_LANDSCAPE LAMPS- 18M
- L10\_FIXED LIGHTING TOWER 15M
- L11\_LED STRIP INTEGRATED INTO OUTDOOR STEPS
- L12\_RECESSED WALL LUMINAIRE
- L13\_LED STRIP INTEGRATED IN HANDRAILING
- L14\_LIGHT SPOTS\_ONE PER WATER COLUMN
- ▲ EXISTING SUBSTATION
- ▲ PROPOSED SUBSTATION
- PROPOSED ELECTRICAL BOX
- OUTPUT 1
- OUTPUT 2
- OUTPUT 3
- OUTPUT 4
- OUTPUT 5

CLIENT:  
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DD-E-02 General Layout Plan of Proposed Distribution Energy Box-Light / Recreational Park

Drawing number	Description
Detail Design	1067 x 594 mm. 1:1000 20-04-2022
Phase	Format Scale Date

Master Plan of Interventions at the Entrance of Shkodra

Project number Project name

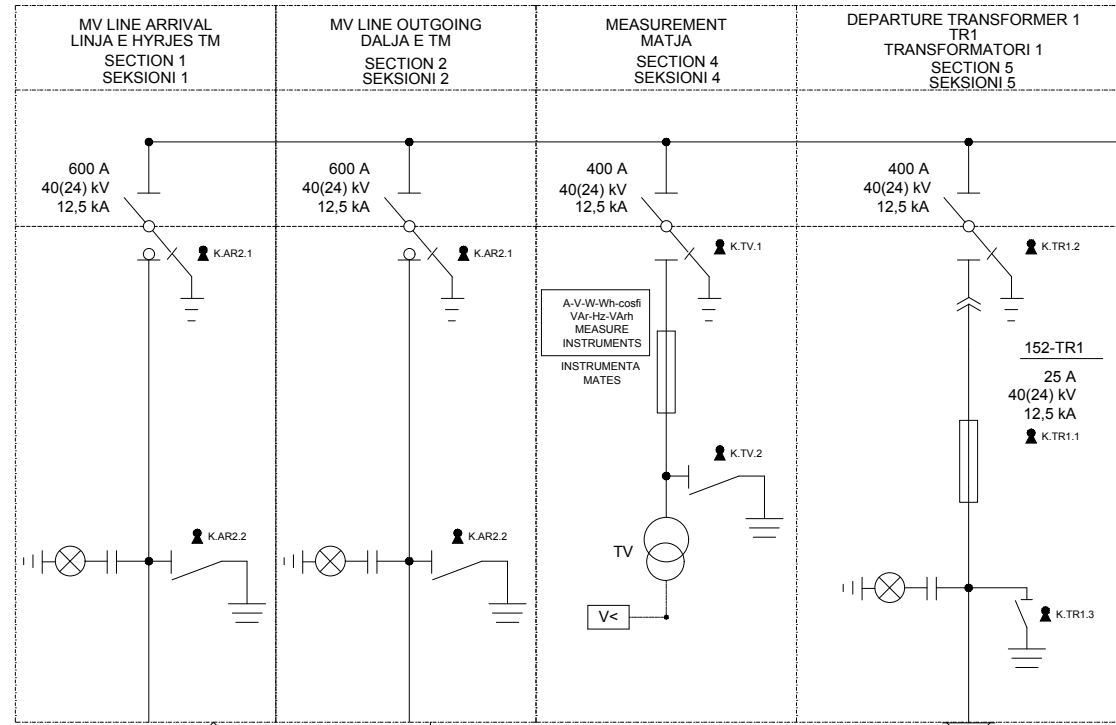
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# ELECTRICAL SCHEME-MV SUBSTATION 20/0.4 kV SKEMA ELEKTRIKE-TM 20/0.4 kV

## MEDIUM VOLTAGE DISTRIBUTION BOARD 20 kV KUADRI I TENSIONIT TE MESEM 20 kV

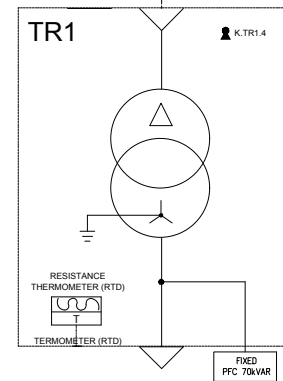


FROM 20 kV POLE - MV CABLE  
3(1x185)mmq TYPE XLPE 20 kV  
KABELL I TM NGA SHTYLLA 20 kV  
3(1x185)mmq TIPI XLPE 20 kV

TYPE RG7H1R 20  
3(1x50)mmq  
TIPI RG7H1R 20  
3(1x50)mmq

MV/LV POWER  
TRANSFORMER  
150 kVA  
20/0,4 kV  
V<sub>cc</sub>=6%  
DYN11  
TRANSFORMATOR

TM/TU  
100 kVA  
20/0,4 kV  
V<sub>cc</sub>=6%  
DYN11



← MEDIUM VOLTAGE ROOM  
DHOMA E TM

← TRASFORMER'S ROOM  
DHOMA E TRANSFORMATORIT

- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
- SPEED VARIATOR (INVERTER)
- TRANSFORMER
- OVERVOLTAGE LIMITER (SPD)

CLIENT:  
ALBANIAN DEVELOPMENT FUND  
Contact person: Emi Dautaj (Menaxhere Kontrates)  
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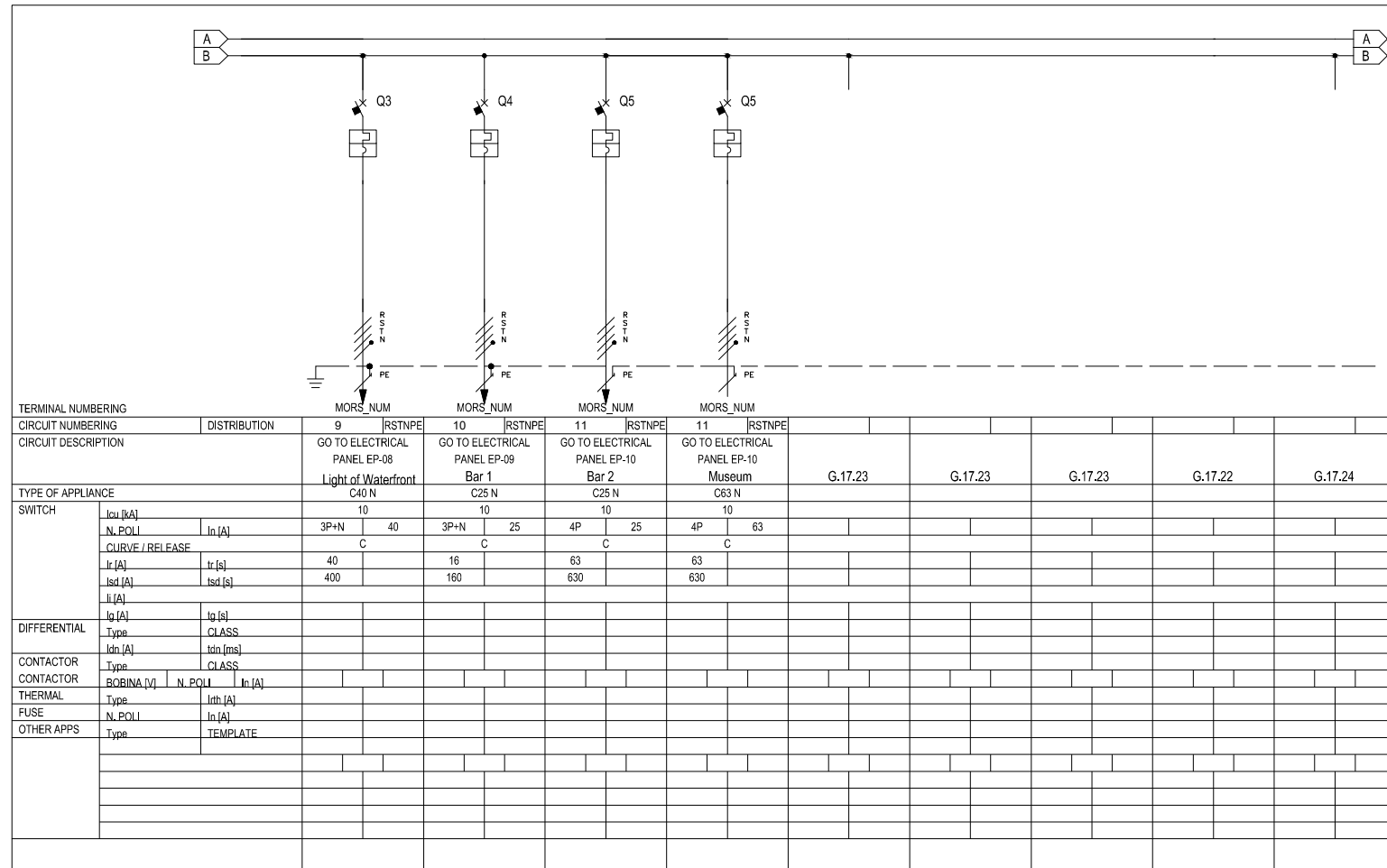
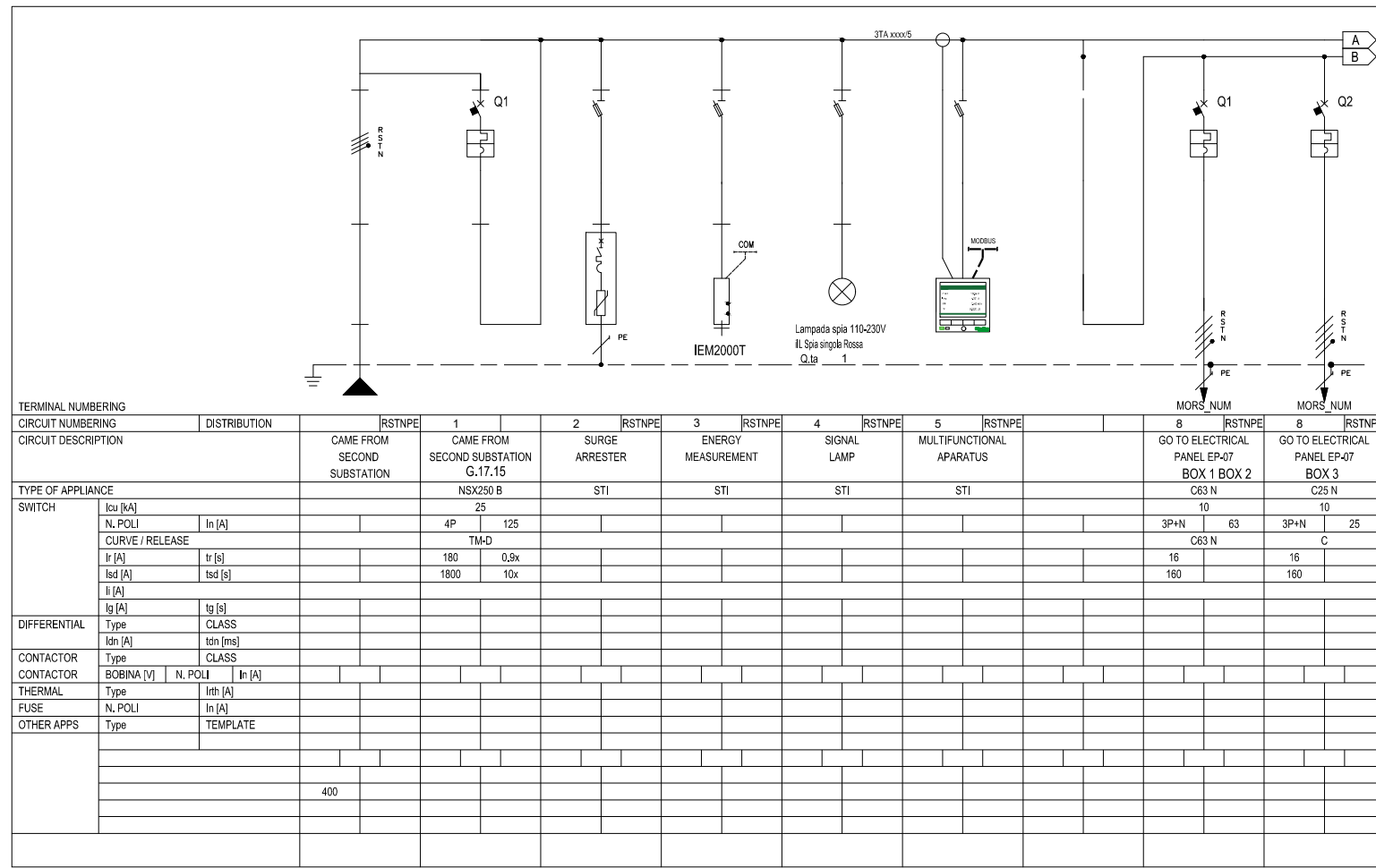
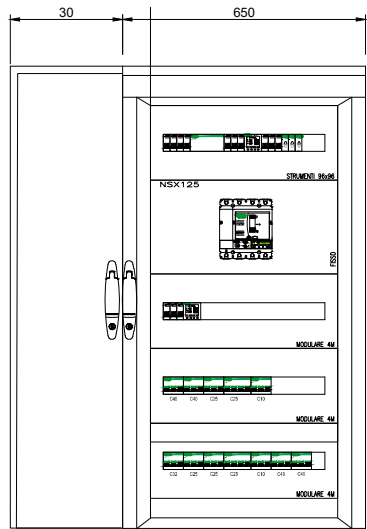
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DD-E05		Electrical Scheme-New Substation 20/0.4 kV	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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NEW SUBSTATION, GENERAL LOW DISTRIBUTION BOARD  
KABINA E RE, KUADRI ELEKTRIK I PERGJITHSHEM



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
- SPEED VARIATOR (INVERTER)
- TRANSFORMER
- OVERVOLTAGE LIMITER (SPD)

CLIENT:  
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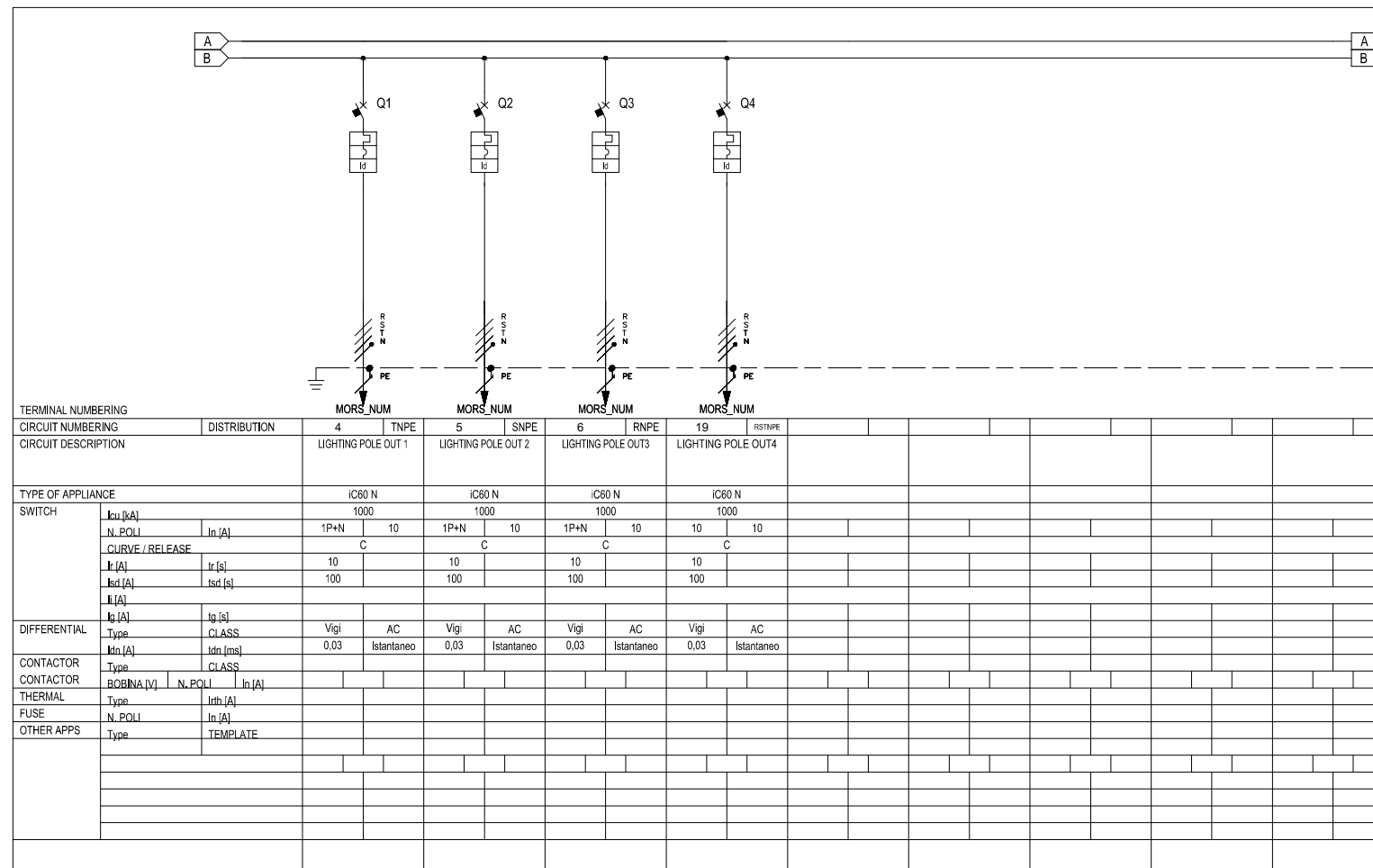
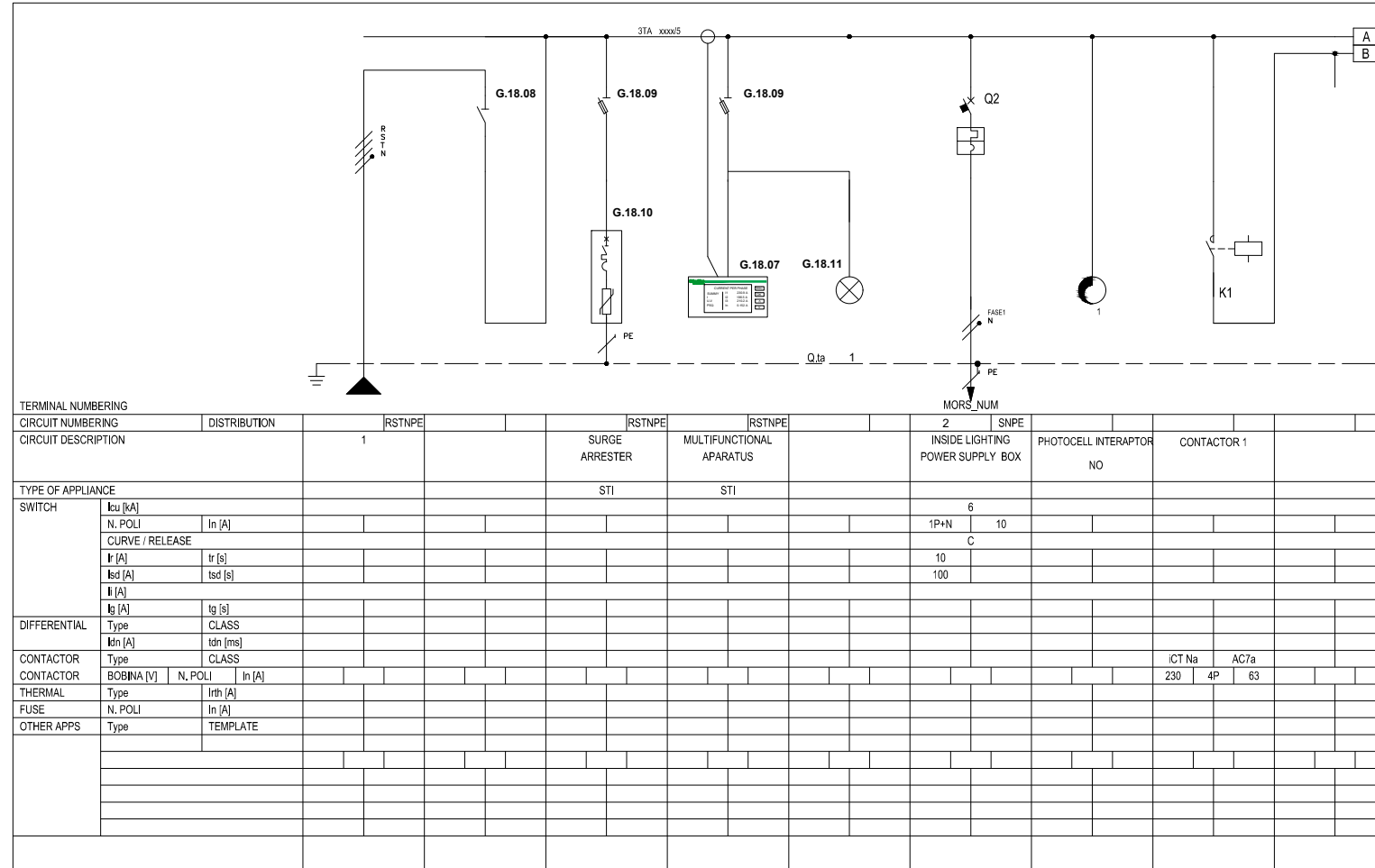
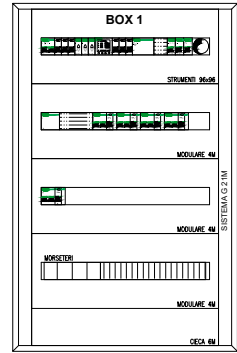
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DD-E06		New Substation, General Low Distribution Board	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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ELECTRICAL DISTRIBUTION BOARD BOX 1  
KUADRI ELEKTRIK BOX 1



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
- SPEED VARIATOR (INVERTER)
- TRANSFORMER
- OVERVOLTAGE LIMITER (SPD)

CLIENT:  
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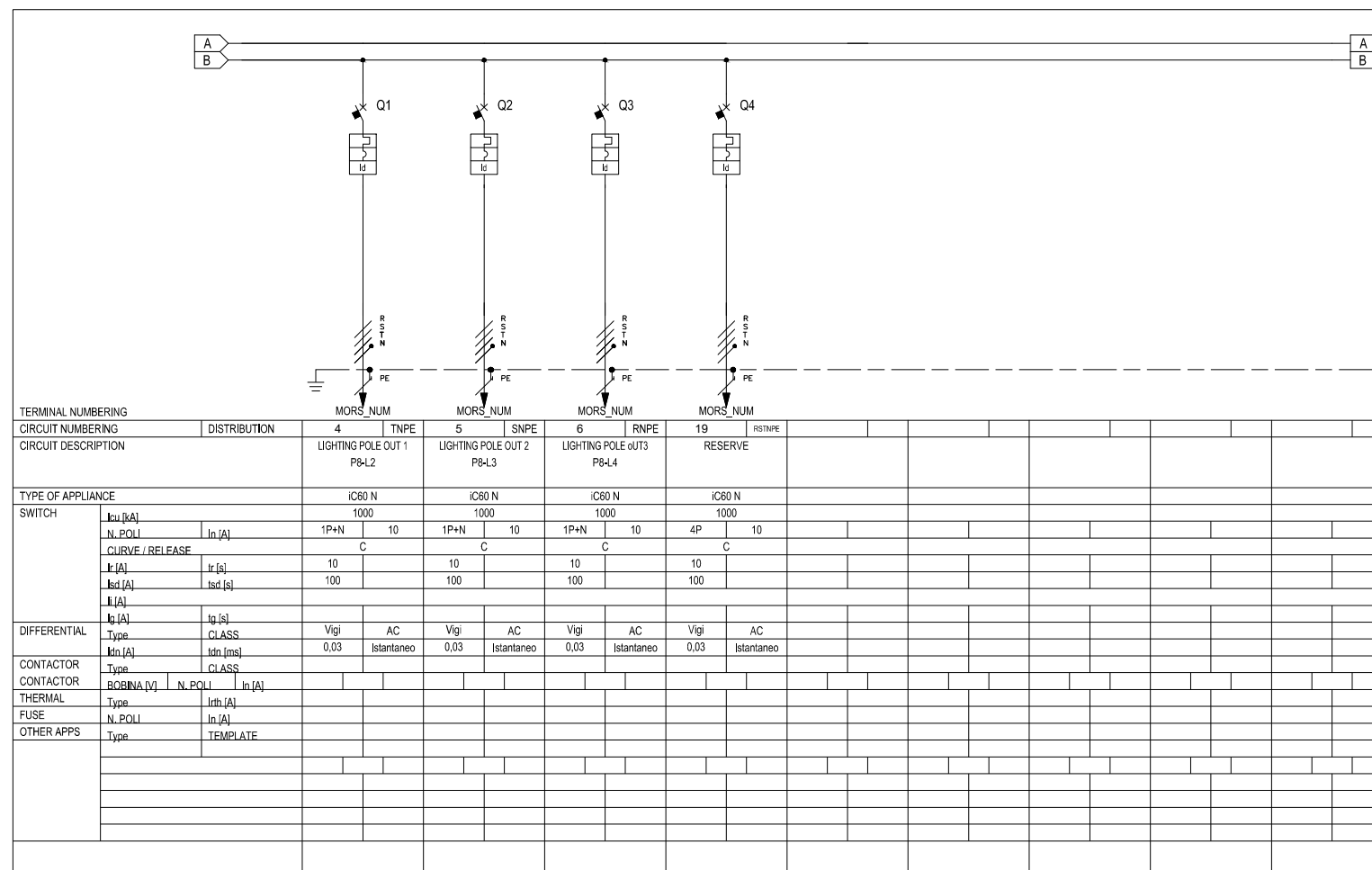
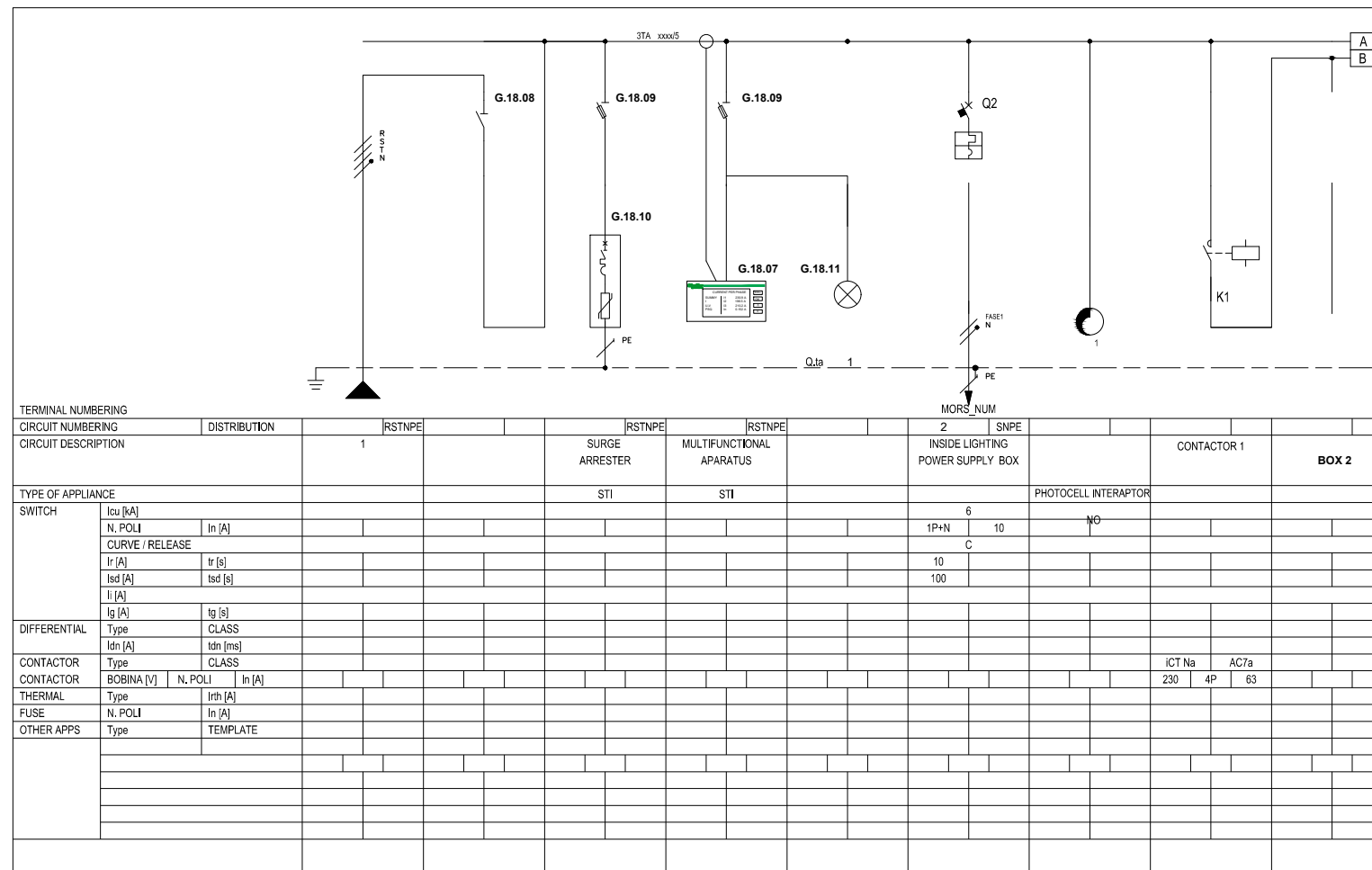
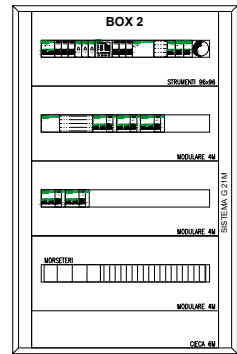
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DD-E07		Electrical Box 1, General Low Distribution Board	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



# ELECTRICAL DISTRIBUTION BOARD BOX 2 KUADRI ELEKTRIK BOX 2



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
- SPEED VARIATOR (INVERTER)
- TRANSFORMER
- OVERVOLTAGE LIMITER (SPD)

CLIENT:  
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**DD-E08**      Electrical Box 2, General Low Distribution Board

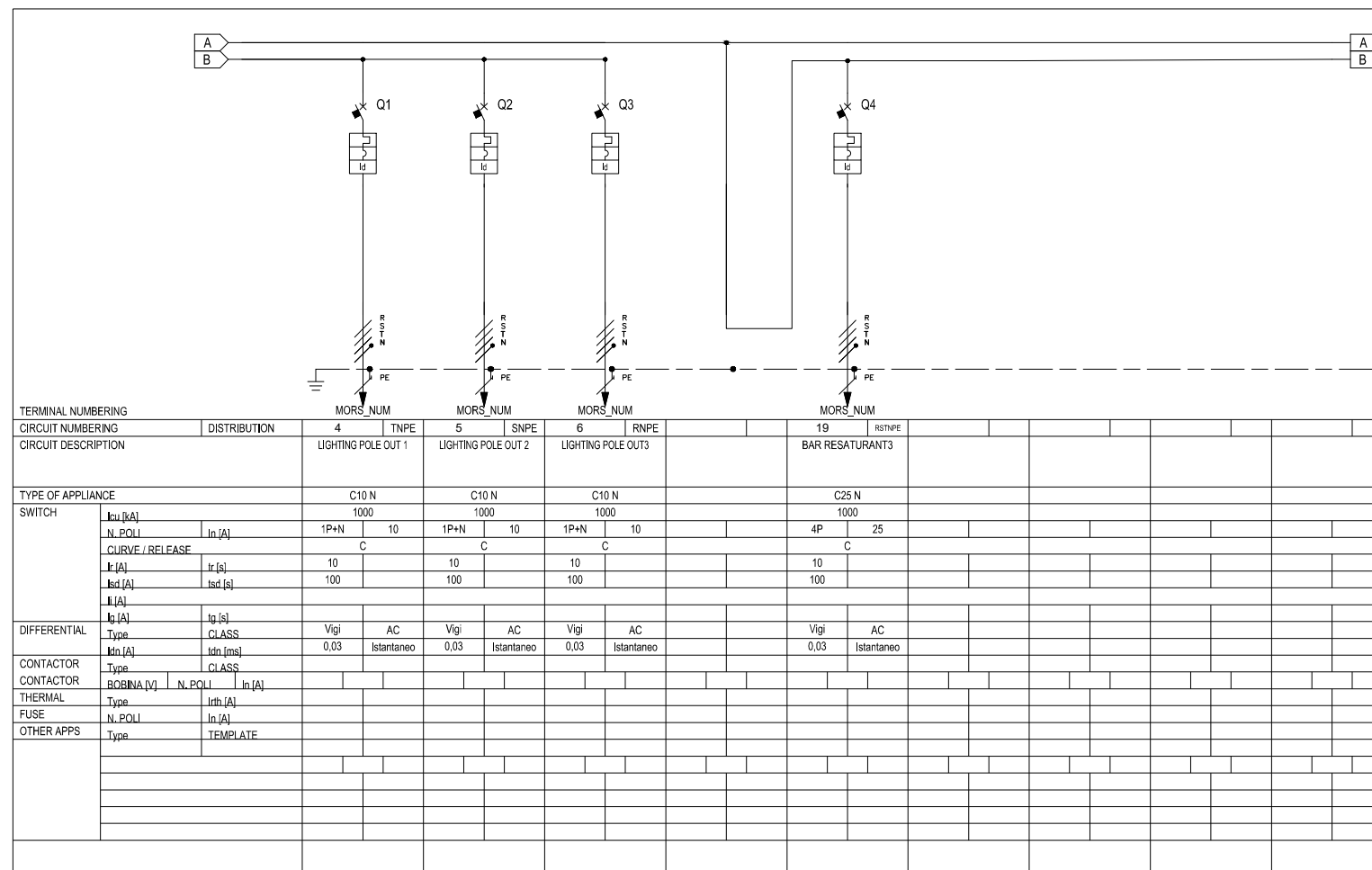
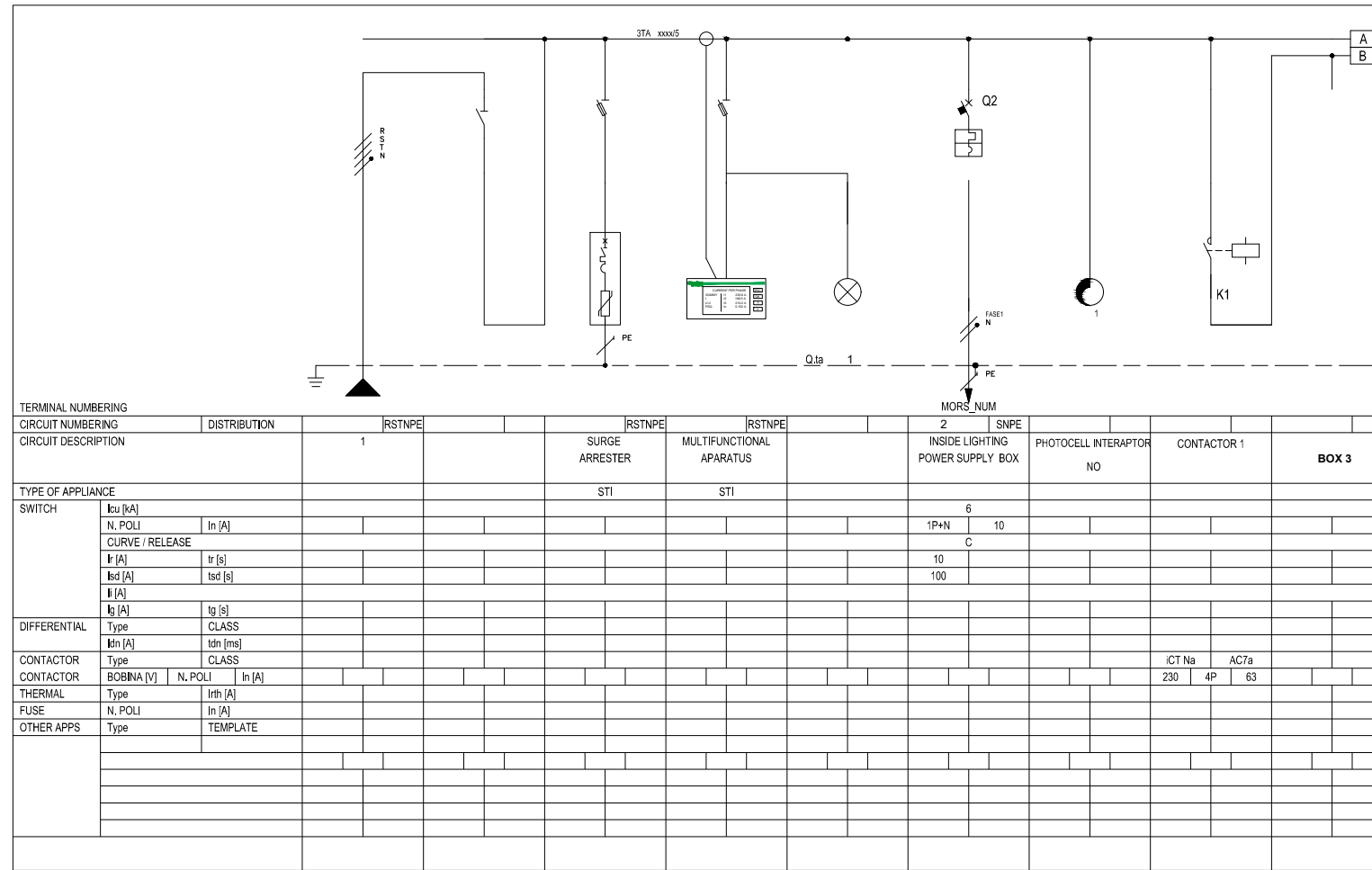
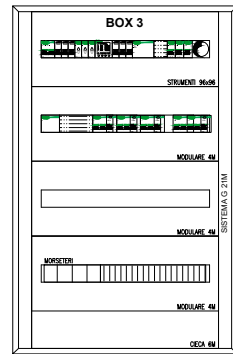
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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contact@casanova-hernandez.com

# ELECTRICAL DISTRIBUTION BOARD BOX 3 KUADRI ELEKTRIK BOX 3



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
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- OVERVOLTAGE LIMITER (SPD)

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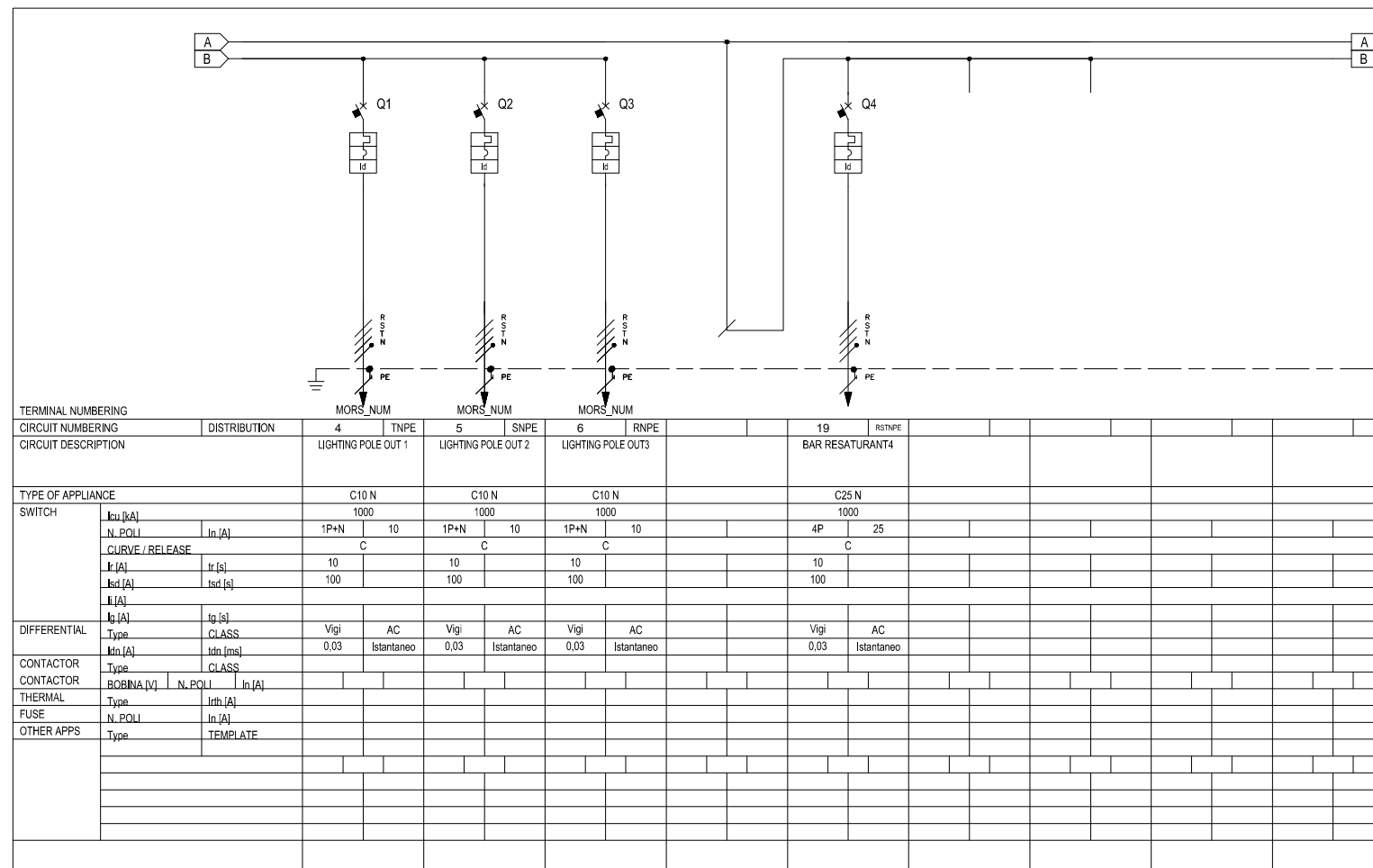
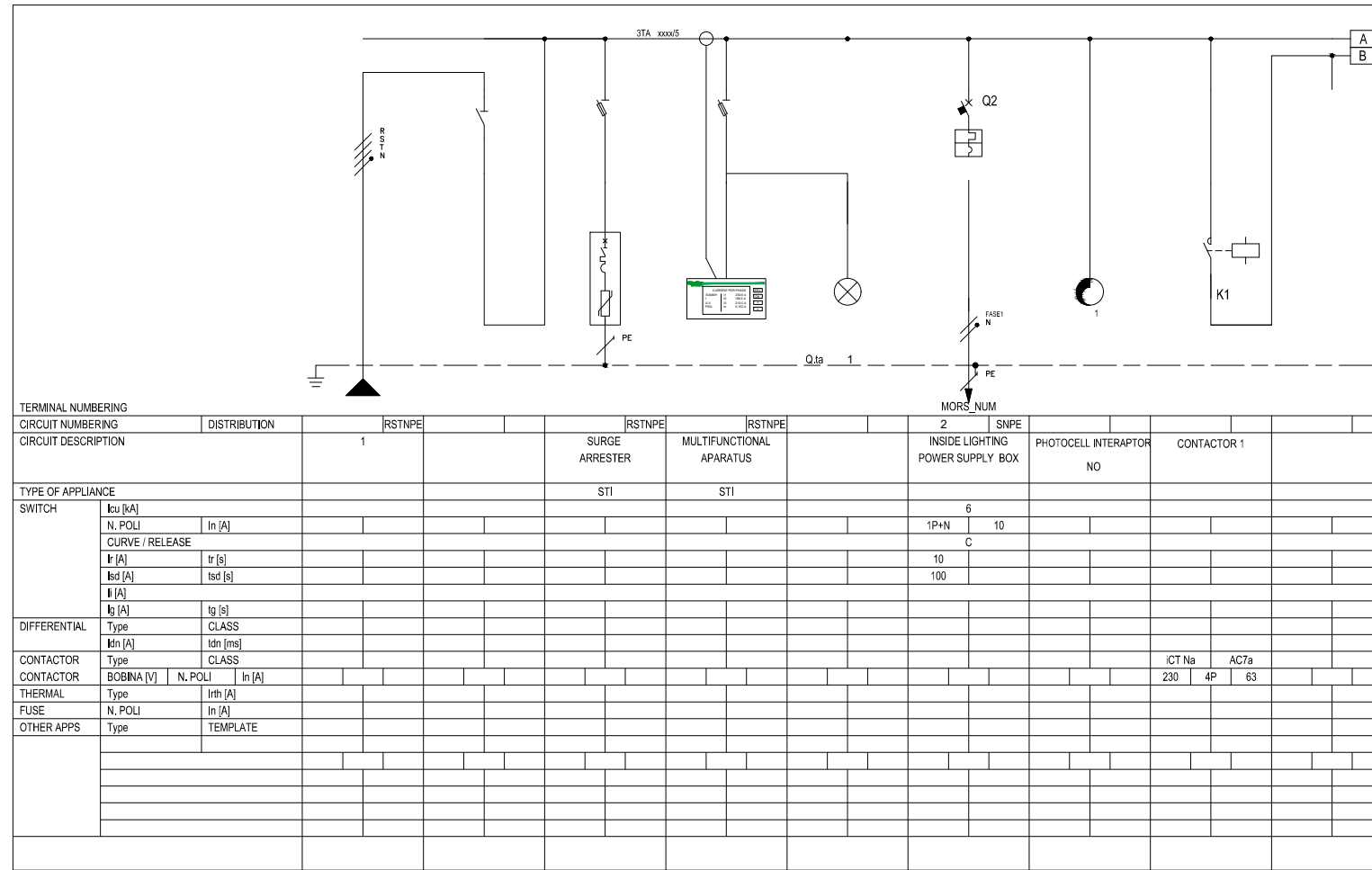
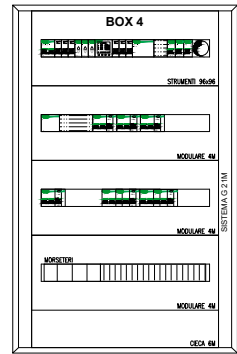
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E-mail: frank.ehrlicher@srp-consult.de

DD-E09 Electrical Box 3, General Low Distribution Board	
Drawing number	Description
Detailed Design	420 x 297 mm N/A 31-09-2022
Phase	Format Scale Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name



ELECTRICAL DISTRIBUTION BOARD BOX 4  
KUADRI ELEKTRIK BOX 4



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
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- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
- UPS
- SOCKET (GENERAL SYMBOL)
- SOCKET WITH LOCK SWITCH AND FUSES
- STARTER - SOFT STARTER
- SPEED VARIATOR (INVERTER)
- TRANSFORMER
- OVERVOLTAGE LIMITER (SPD)

CLIENT:  
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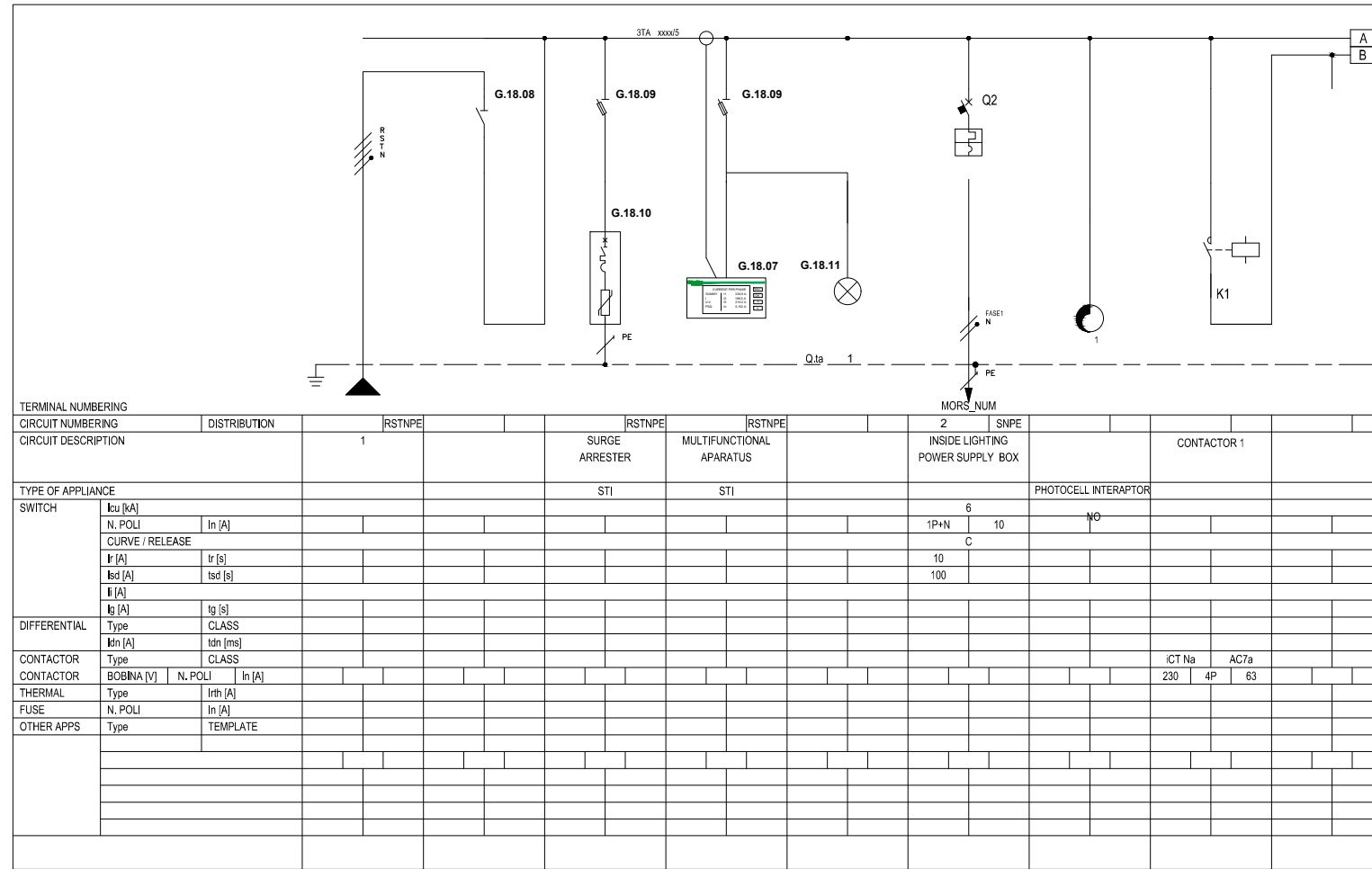
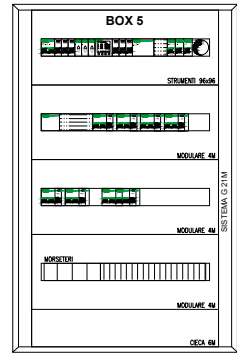
CASANOVA+HERNANDEZ ARCHITECTS  
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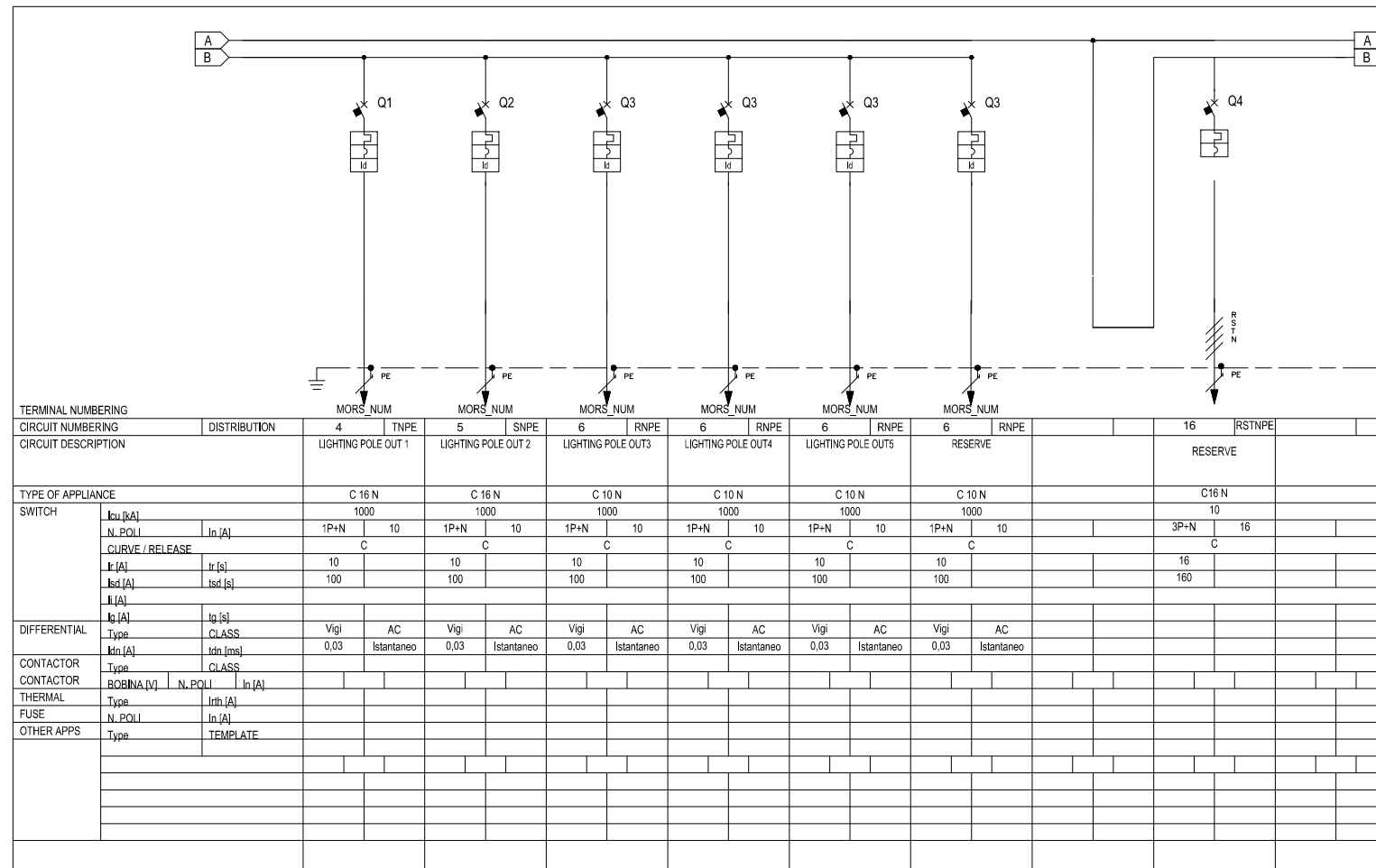
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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DD-E10		Electrical Box 4, General Low Distribution Board	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

ELECTRICAL DISTRIBUTION BOARD BOX 5  
KUADRI ELEKTRIK BOX 5



TERMINAL NUMBERING	DISTRIBUTION	RSTNPE	RSTNPE	RSTNPE	2	SNPE			
CIRCUIT NUMBERING		1							
CIRCUIT DESCRIPTION			SURGE ARRESTER	MULTIFUNCTIONAL APARATUS		INSIDE LIGHTING POWER SUPPLY BOX			CONTACTOR 1
TYPE OF APPLIANCE			STI	STI				PHOTOCELL INTERAPTOR	
SWITCH	Icu [kA]					6			
	N. POLI	In [A]				1P+N	10		
	CURVE / RELEASE					C			
	Ir [A]	Ir [s]				10			
	Itd [A]	Itd [s]				100			
	Ii [A]								
	Ig [A]	Ig [s]							
	Type	CLASS							
DIFFERENTIAL	IΔn [A]	IΔn [ms]							
	Type	CLASS							
CONTACTOR	Type	CLASS						ICT Na	AC7a
	BOBINA [V]	N. POLI	In [A]					230	4P 63
THERMAL	Type	Irh [A]							
FUSE	N. POLI	In [A]							
OTHER APPS	Type	TEMPLATE							



TERMINAL NUMBERING	DISTRIBUTION	4	TNPE	5	SNPE	6	RNPE	6	RNPE	6	RNPE	6	RNPE	16	RSTNPE
CIRCUIT NUMBERING															
CIRCUIT DESCRIPTION		LIGHTING POLE OUT 1		LIGHTING POLE OUT 2		LIGHTING POLE OUT 3		LIGHTING POLE OUT 4		LIGHTING POLE OUT 5		RESERVE		RESERVE	
TYPE OF APPLIANCE		C 16 N		C 16 N		C 10 N		C 10 N		C 10 N		C 10 N		C16 N	
SWITCH	Icu [kA]	1000		1000		1000		1000		1000		1000		10	
	N. POLI	1P+N	10	1P+N	10	1P+N	10	1P+N	10	1P+N	10	1P+N	10	3P+N	16
	CURVE / RELEASE	C		C		C		C		C		C		C	
	Ir [A]	10		10		10		10		10		10		16	
	Itd [A]	100		100		100		100		100		100		160	
	Ii [A]														
	Ig [A]														
	Type	Vigi	AC	Vigi	AC	Vigi	AC	Vigi	AC	Vigi	AC	Vigi	AC		
DIFFERENTIAL	IΔn [A]	0.03	Istantaneo	0.03	Istantaneo	0.03	Istantaneo	0.03	Istantaneo	0.03	Istantaneo	0.03	Istantaneo		
	Type														
CONTACTOR	Type														
CONTACTOR	BOBINA [V]		N. POLI		In [A]										
THERMAL	Type		Irh [A]												
FUSE	N. POLI		In [A]												
OTHER APPS	Type		TEMPLATE												

- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
- FREE RELEASE
- ROTARY DOOR LOCK OPERATION
- INTERLOCK
- REMOVABLE / REMOVABLE EQUIPMENT
- KEY LOCK (LOCKED WITH APPLIANCE IN REST POSITION)
- KEY LOCK (FREE WITH APPLIANCE IN REST POSITION)
- AUX CONTACT (N, NUMBER OF CONTACTS INSTALLED, THE HATCHING INDICATES WHICH PART OF THE EQUIPMENT ACTS ON THE CONTACT)
- MINIMUM VOLTAGE COIL
- SHUTTLE CURRENT COUPLER
- INSTRUMENT SWITCH (VOLTMETRIC / AMPEROMETRIC)
- AMMETER
- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
- CLOCK
- TWILIGHT
- ASTRONOMIC WATCH
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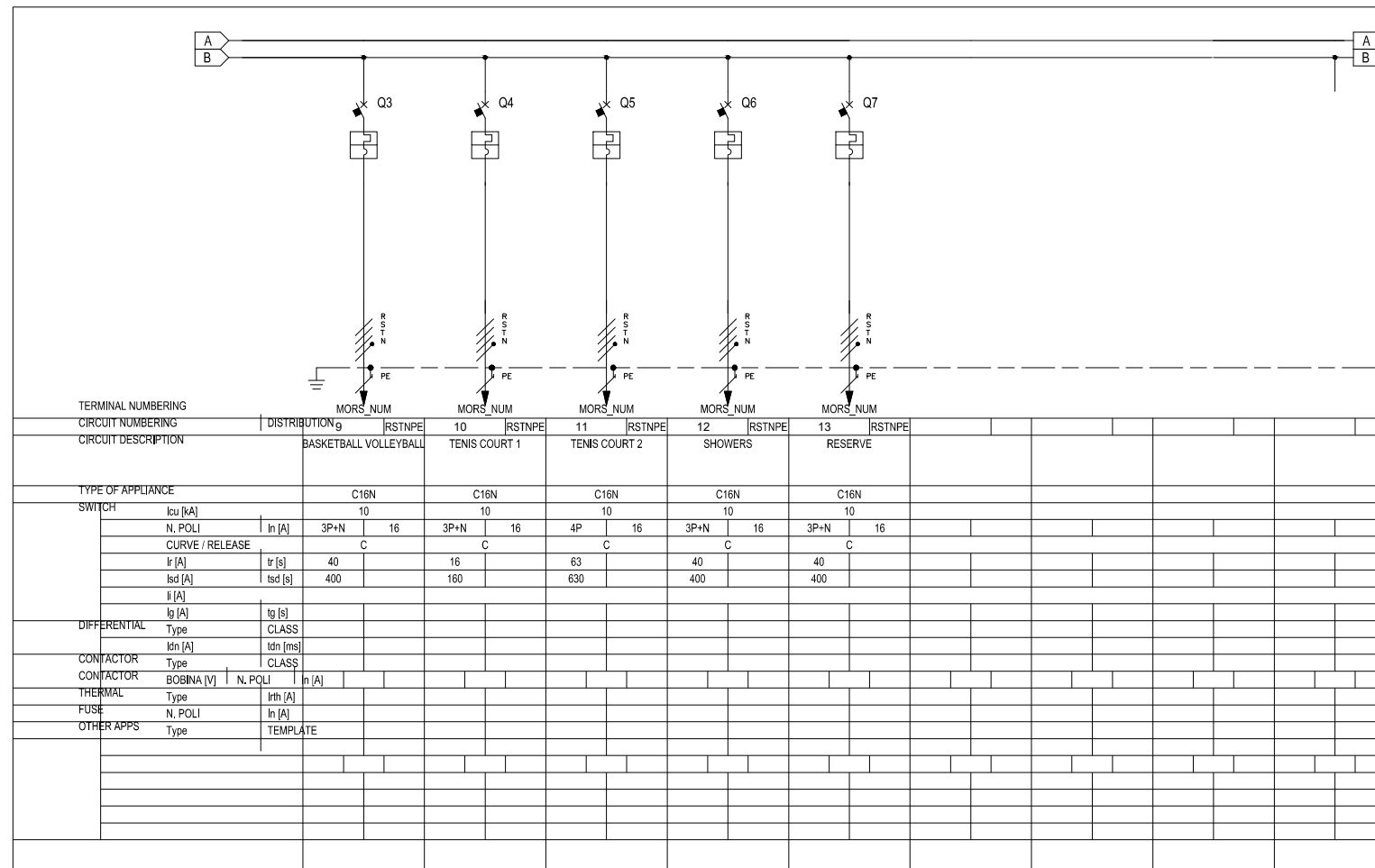
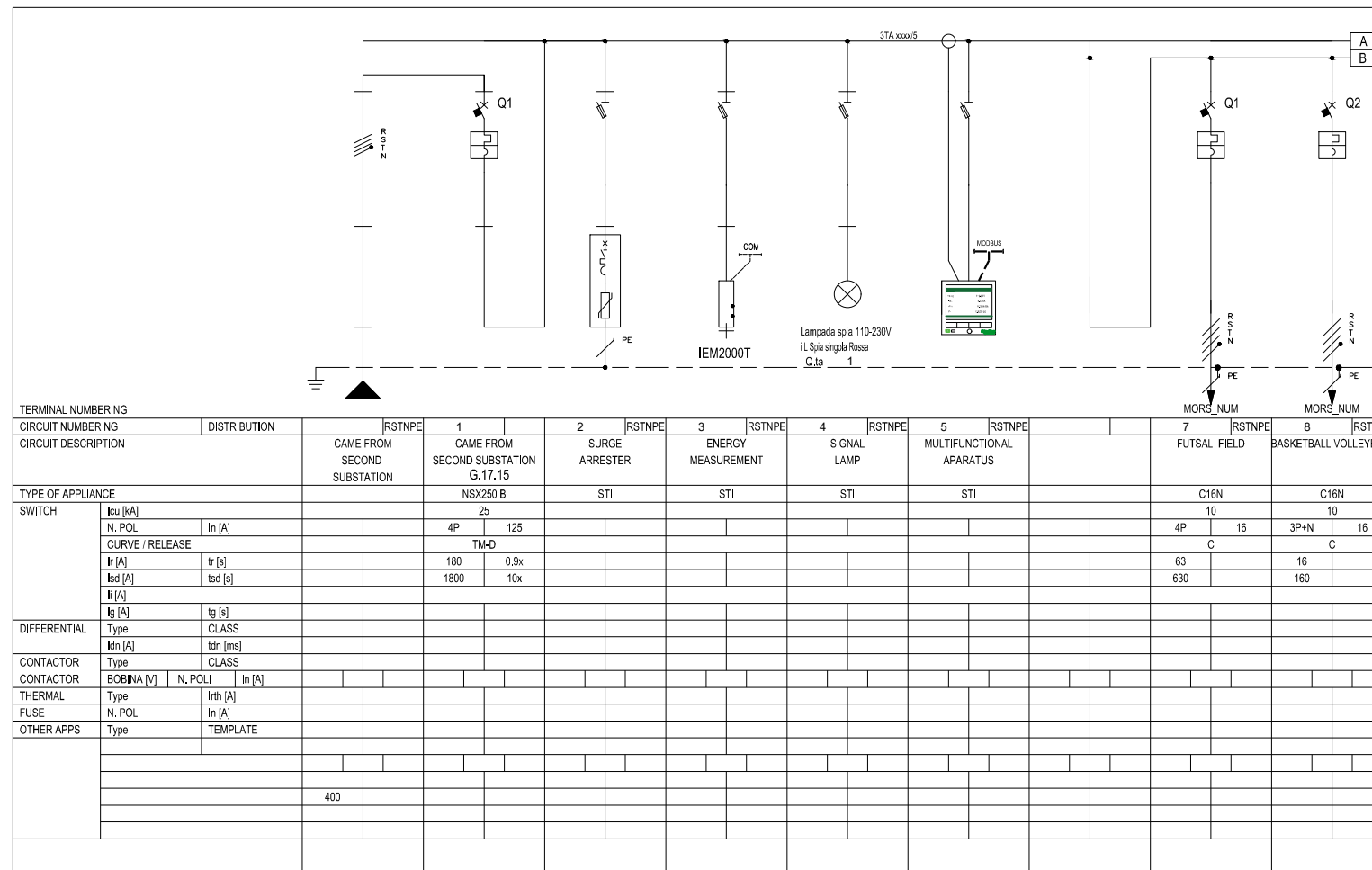
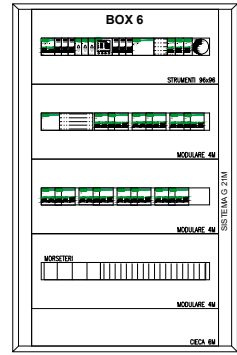
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DD-E11 Electrical Box 5, General Low Distribution Board			
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



ELECTRICAL DISTRIBUTION BOARD BOX 6  
KUADRI ELEKTRIK BOX 6



- AUTOMATIC SWITCH
- DISCONNECTER
- OPERATION SWITCH / DISCONNECTER
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
- MOTORIZED CONTROL
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- VOLTMETER
- FREQUENCY METER
- SUPPLEMENT INSTRUMENT (COUNTER)
- CONTACTOR WITH CONTACTS NO
- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
- CONTACTOR WITH NC CONTACTS
- CONTACTOR (STEP / STEP RELAY)
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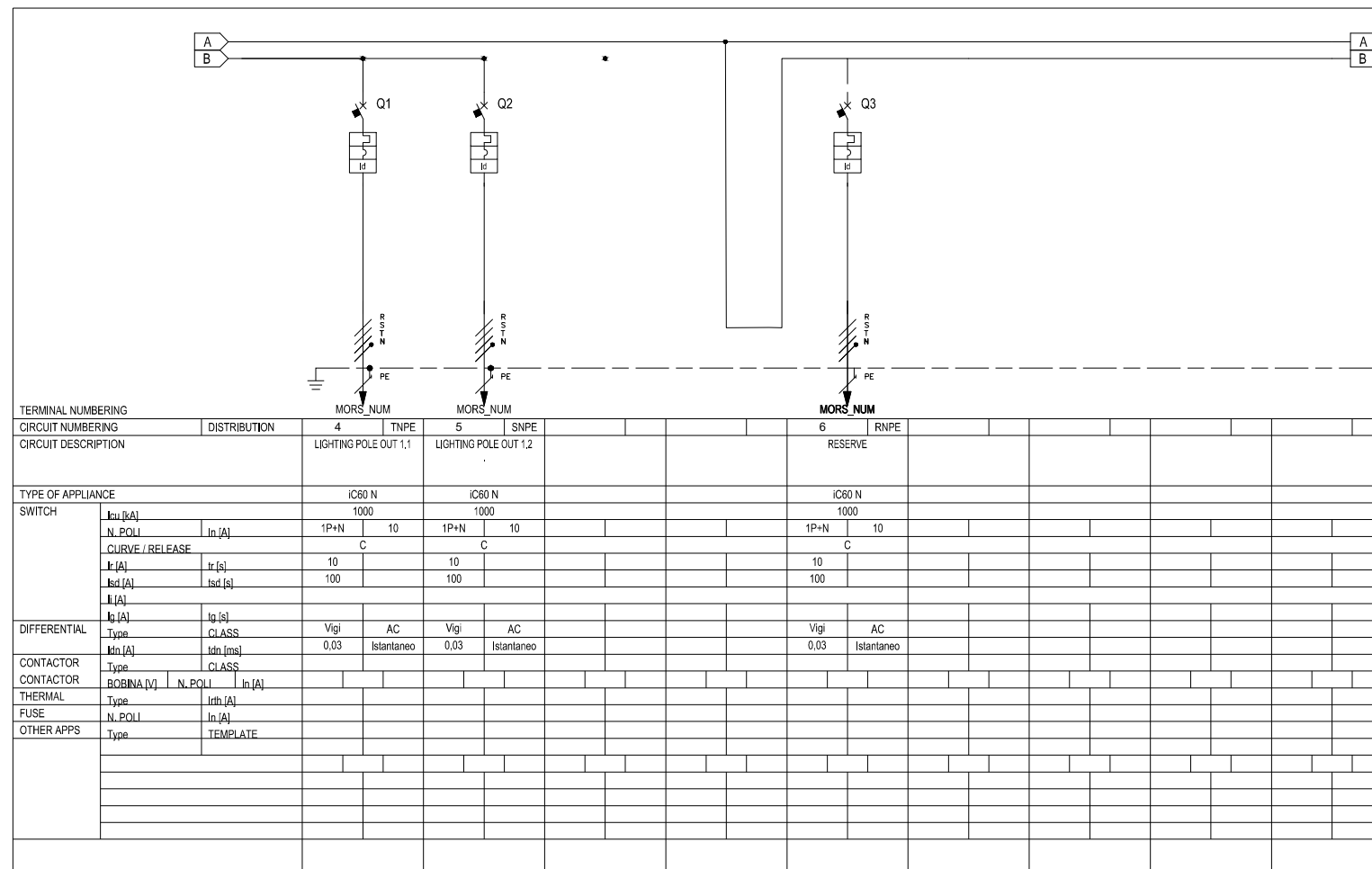
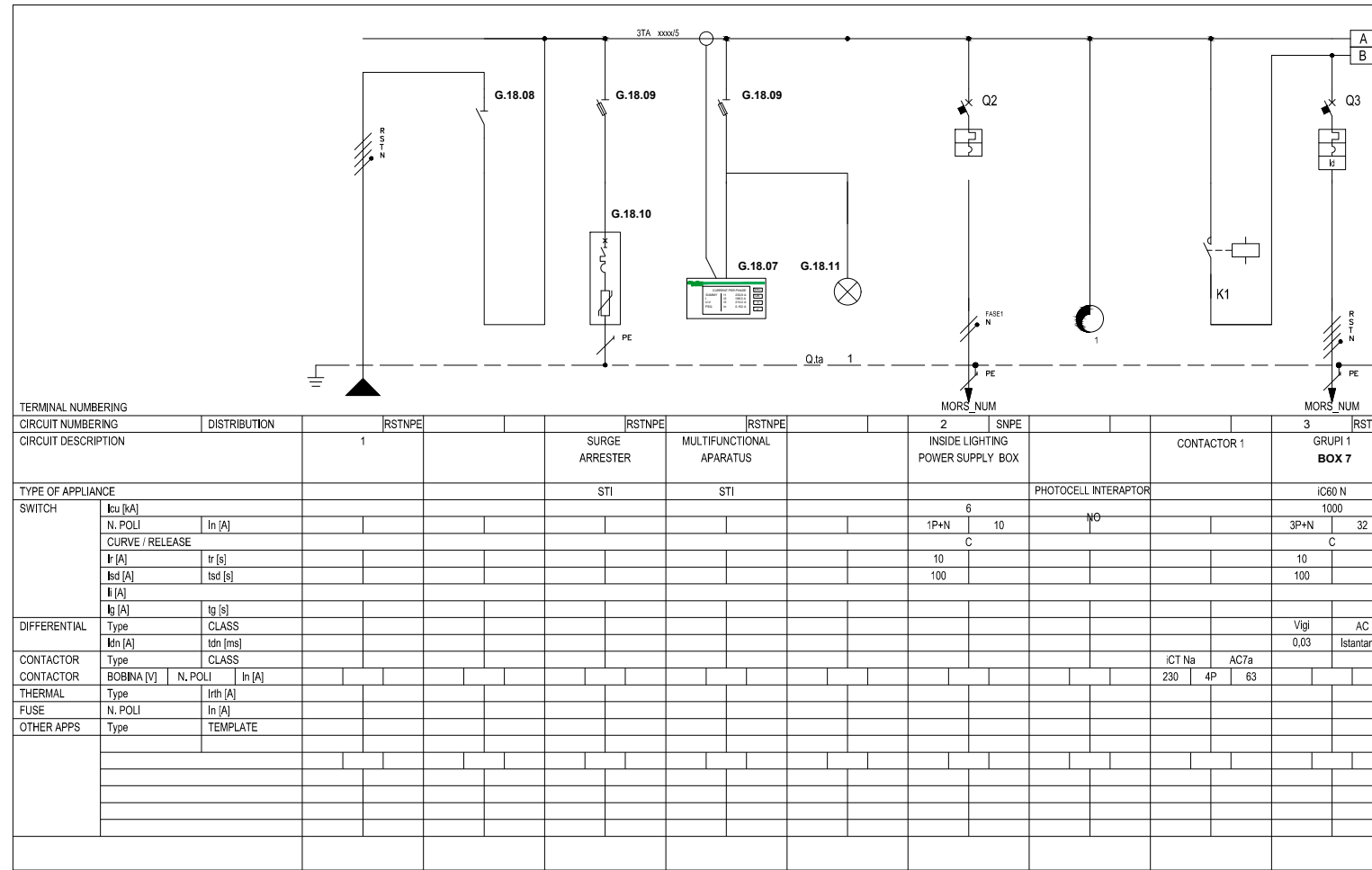
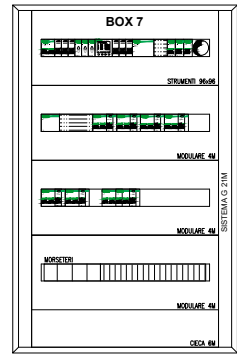
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DD-E12		Electrical Box 6, General Low Distribution Board	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077		Master Plan of Interventions at the Entrance of Shkodra	
Project number	Project name		

ELECTRICAL DISTRIBUTION BOARD BOX 7  
KUADRI ELEKTRIK BOX 7



- AUTOMATIC SWITCH
- DISCONNECTOR
- OPERATION SWITCH / DISCONNECTOR
- THERMAL PROTECTION
- MAGNETIC PROTECTION
- DIFFERENTIAL PROTECTION
- MOTOR SAFETY
- FUSE ELEMENT
- TOROID
- MANUAL CONTROL
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- FREE RELEASE
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- CONTACTOR WITH POSSIBILITY OF MANUAL CONTROL WITH CONTACTS NO
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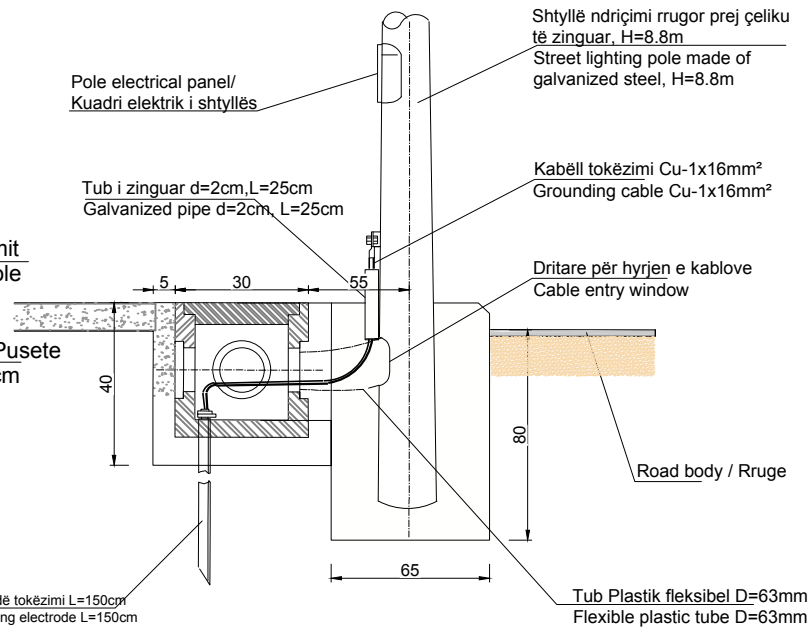
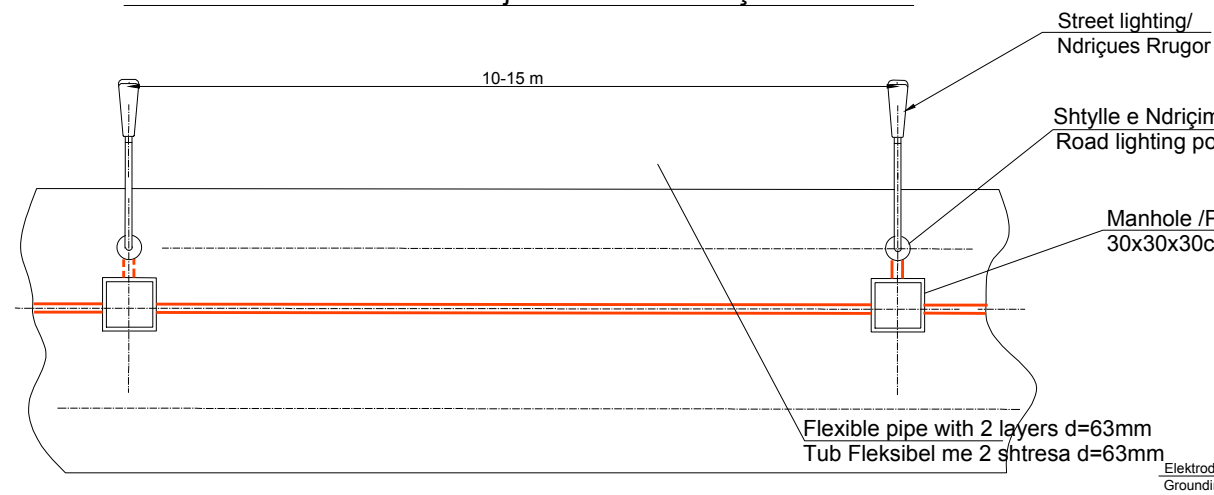
DD-E13		Electrical Box 7, General Low Distribution Board	
Drawing number	Description		
Detailed Design	420 x 297 mm	N/A	31-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



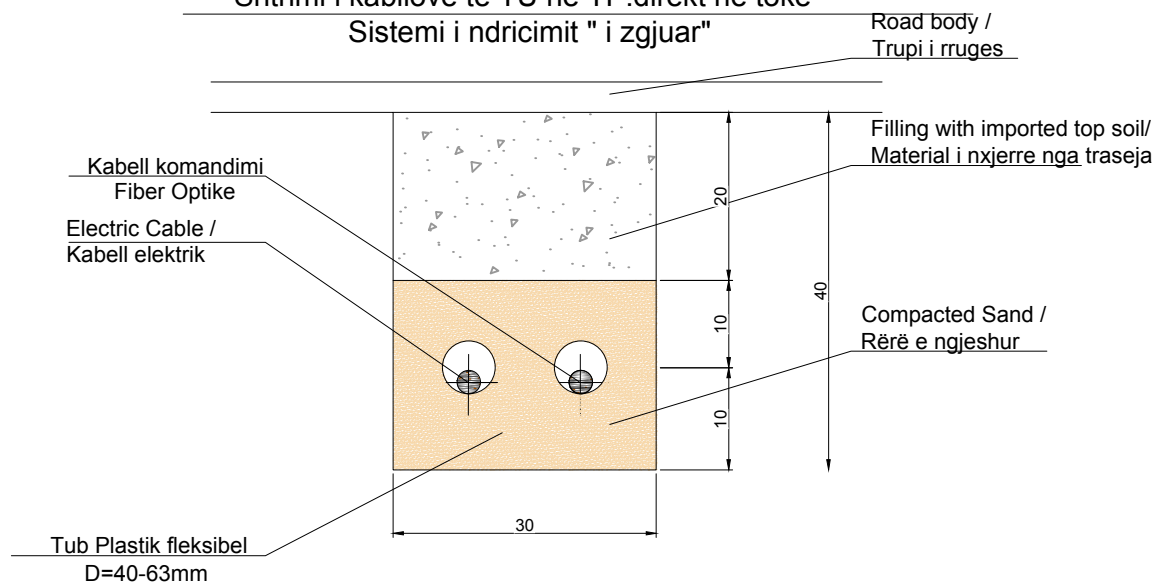
# DETAILS OF PATH LIGHTING/ DETAJE TË NDRIÇIMIT TE RRUGICAVE

Detail of the installation of the well and the grounding of the pole /  
Detaj i montimit te pusetes dhe tokezimit te shtyllës

Installation plan of the lighting cable network/  
Planimetria e instalimit të rrjetit kabllor të ndriçimit



Shtrimi i kablove te TU ne TP.direkt ne toke  
Sistemi i ndrیقimit " i zgjuar"



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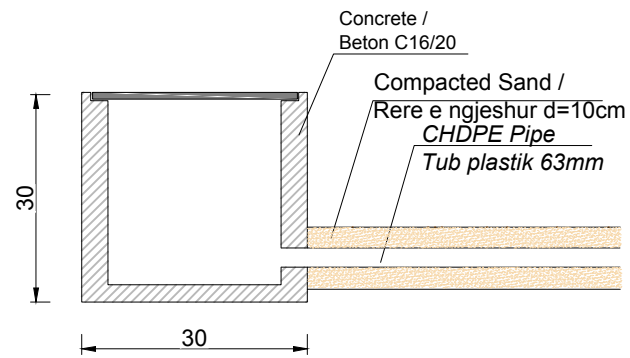
DD-SD-E-01 ELECTRICAL DETAILS

Drawing number	Description	Format	Scale	Date
Detailed Design	420 x 297 mm	1:75	20-09-2022	
Phase	Format	Scale	Date	
L077	Master Plan of Interventions at the Entrance of Shkodra			
Project number	Project name			

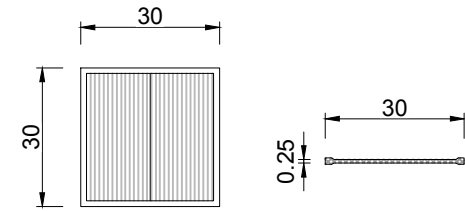
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SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k.

Lombardkade 24A  
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contact@casanova-hernandez.com

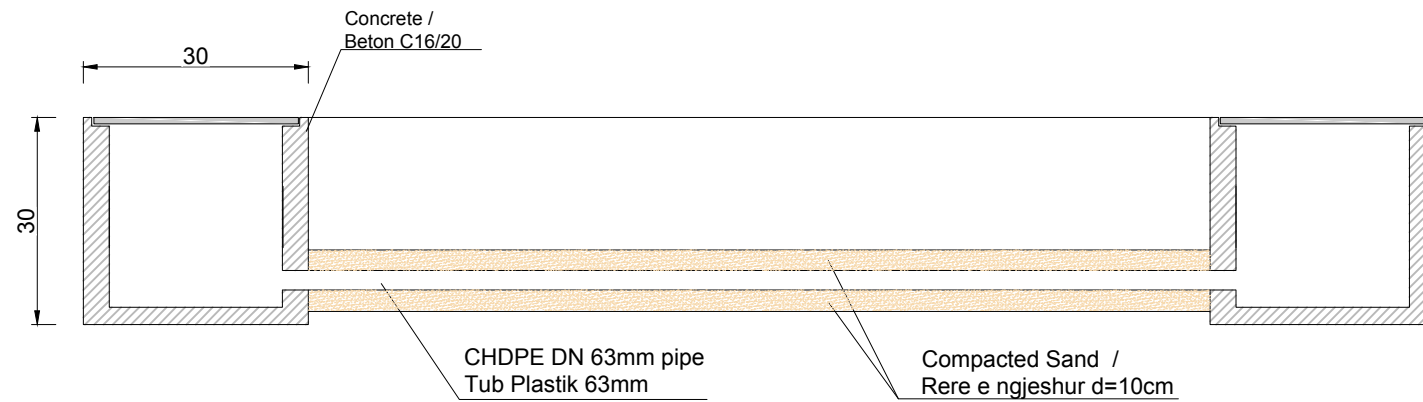
Kapaku i pusetes prej Gize



Kapaku i pusetes prej plastike



Profile of manholes and pipes /  
Prerje e pusetes dhe tubacionit



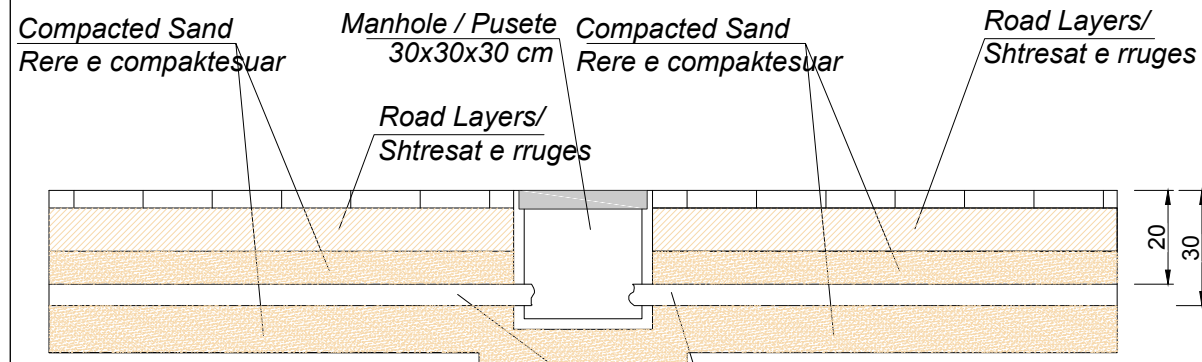
SHËNIME :

- Gjatë realizimit të intersektimeve kuota e vendosjes së pusetave mund të ndryshojë sipas rastit
- Tubi mund të vendoset me një pjerrësi të lehtë sipas nevojës , por gjithnjë thellësia minimale e vendosjes duhet te jete 50cm nga sip. e asfaltit.

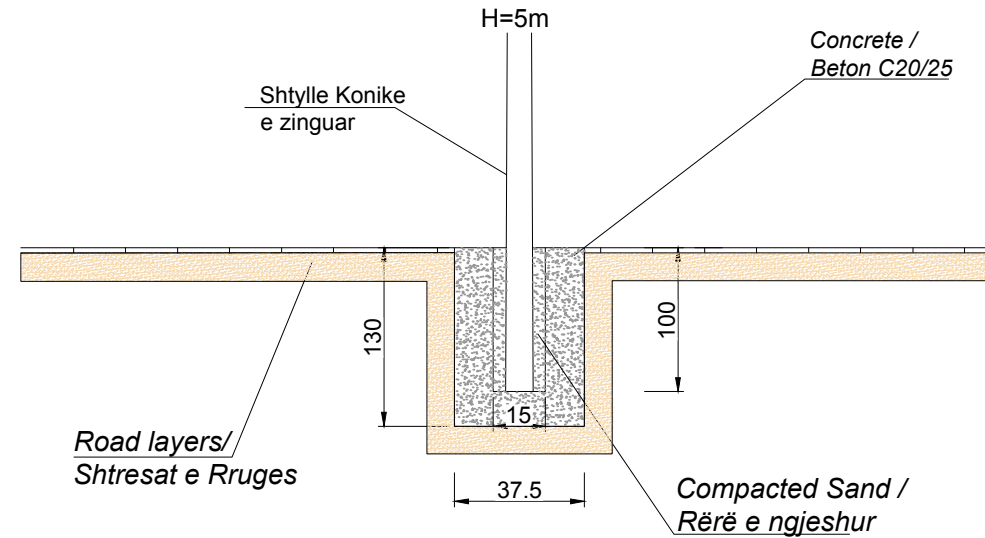
NOTES :

- During the realization of the intersections, the quota for placing the wells may change as the case may be
- The pipe can be placed with a slight slope as needed, but the minimum placement depth must always be 50 cm from the tip. of asphalt.

Profile of the pipeline and manhole of the lighting fixtures /  
Prerje gjatesore e tubacionit dhe pusetave te ndricuesve



Detail of anchor lighter/  
Hollësi e inkastrimit të kolonës së ndriçuesit me lartësi



CHDPE Pipe DN 63mm/  
Tub Plastik CHDPE 63mm

Mat Heavy Duty Edge Corten Steel /  
Pllaka çeliku të pandryshkshëm e  
perkulshme dhe shumë rezistent

Red asphalt /  
Asfalt i kuq

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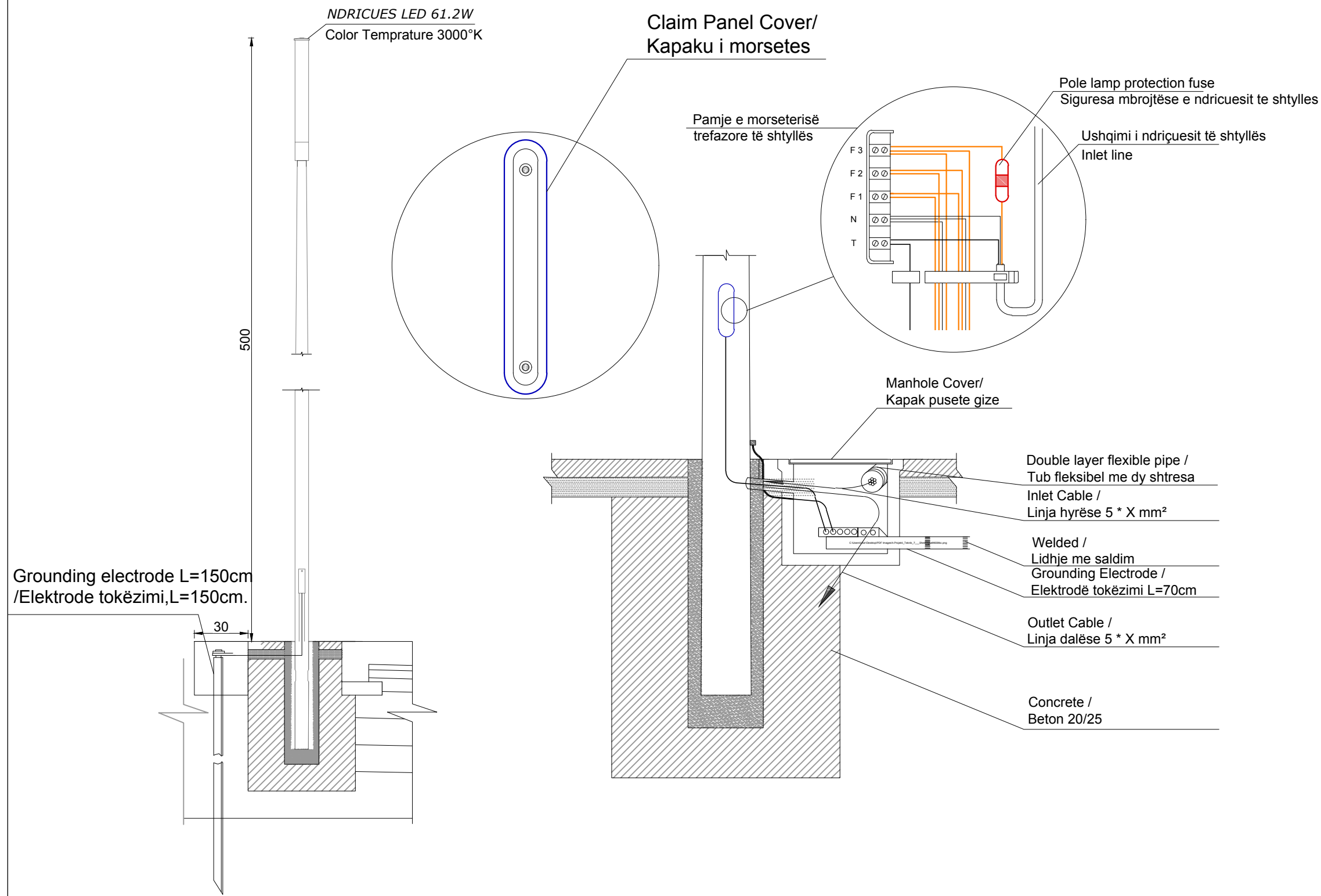
DD-SD-E-02 ELECTRICAL DETAILS

Drawing number	Description	Format	Scale	Date
Detailed Design	420 x 297 mm	1:75		20-09-2022
Phase	Format	Scale	Date	
L077	Master Plan of Interventions at the Entrance of Shkodra			
Project number	Project name			

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CYLINDRICAL LIGHTING 5m/  
NDRIÇUES CILINDRIK 5m



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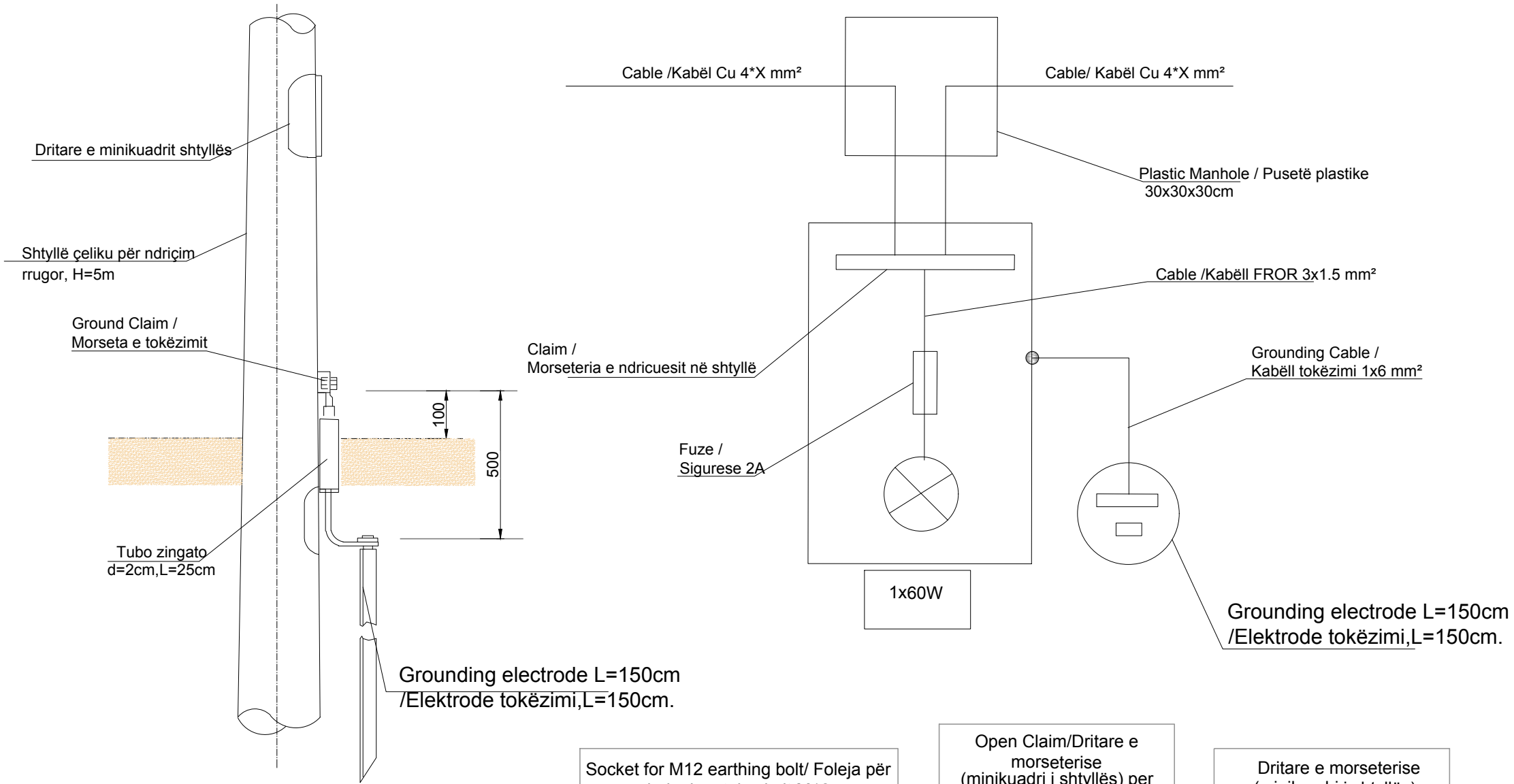
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Contact person: Frank Ehrlicher, Director International Division SRP  
Tel.: +49 / 621 400 462 - 11  
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E-mail: frank.ehrlicher@srp-consult.de

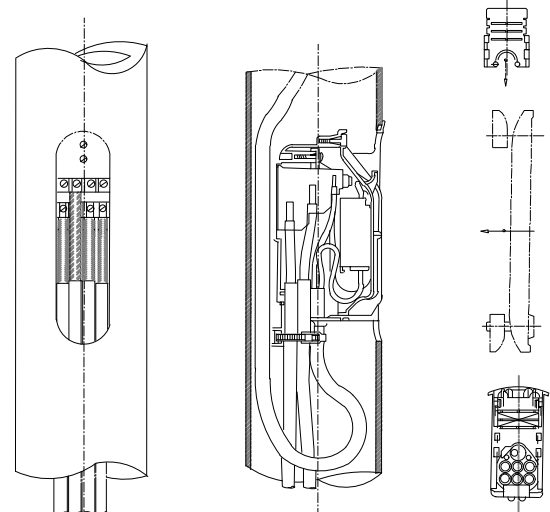
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Drawing number	Description			
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Phase	Format	Scale	Date	
L077	Master Plan of Interventions at the Entrance of Shkodra			
Project number	Project name			



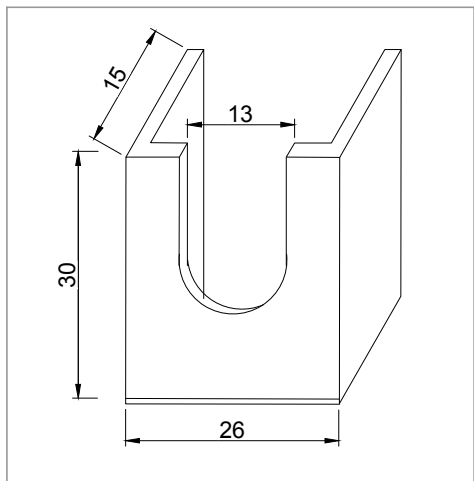
Detaji i tokëzimit të shtyllës së ndriçimit



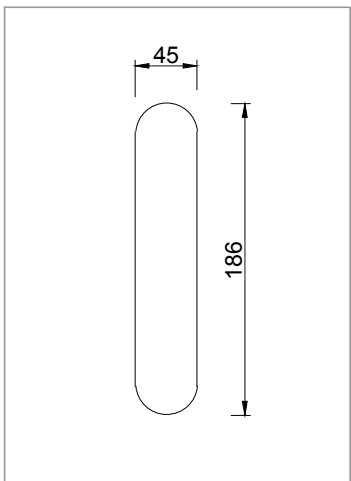
Inside Claim / Konstruksioni morseterisë



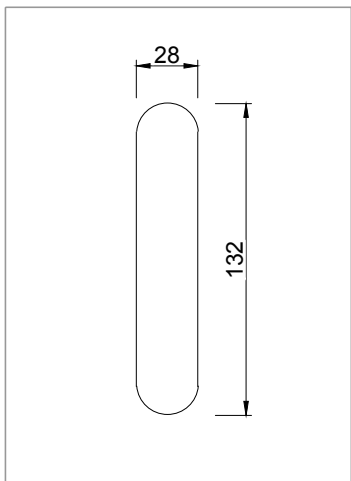
Socket for M12 earthing bolt/ Foleja për bulonin e tokëzimit M12



Open Claim/Dritare e morseterisë (minikuadri i shtyllës) për shtylla H=18m



Dritare e morseterisë (minikuadri i shtyllës)



CLIENT:  
ALBANIAN DEVELOPMENT FUND  
Contact person: Emi Dautaj (Menaxhere Kontrates)  
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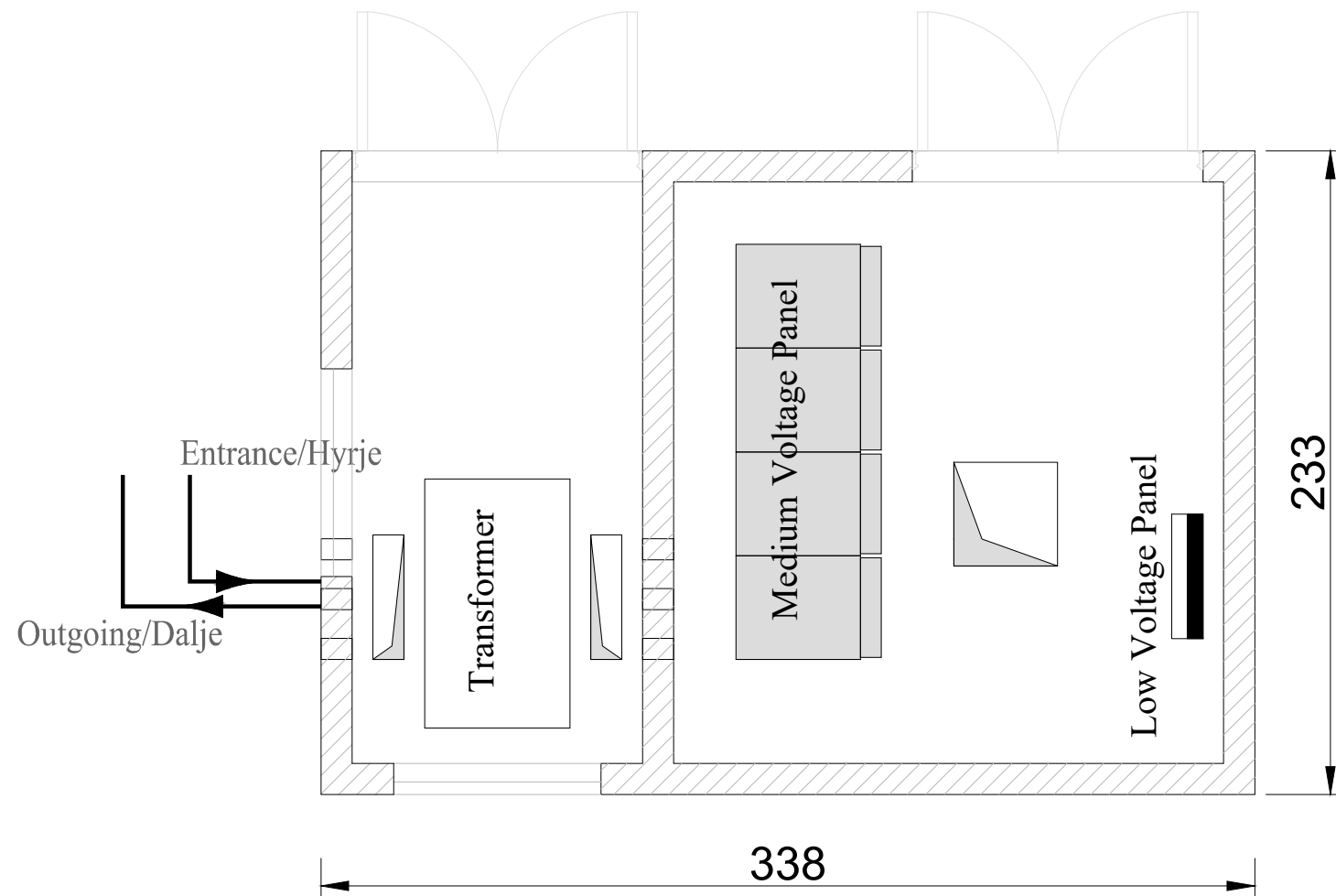
SRP Albanian Engineering s.h.p.k.  
NIUS LB1728013G  
Contact person: Blerim Kurti  
Rruga Tom Pleshka, Pallati Klensi, Shkalla 4, Kall 1, Ap. 2, Yzberisht, Tiranë 1051, Albania  
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DD-SD-E-04		ELECTRICAL DETAILS	
Drawing number	Description		
Detailed Design	420 x 297 mm	1:75	20-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkoda		
Project number	Project name		

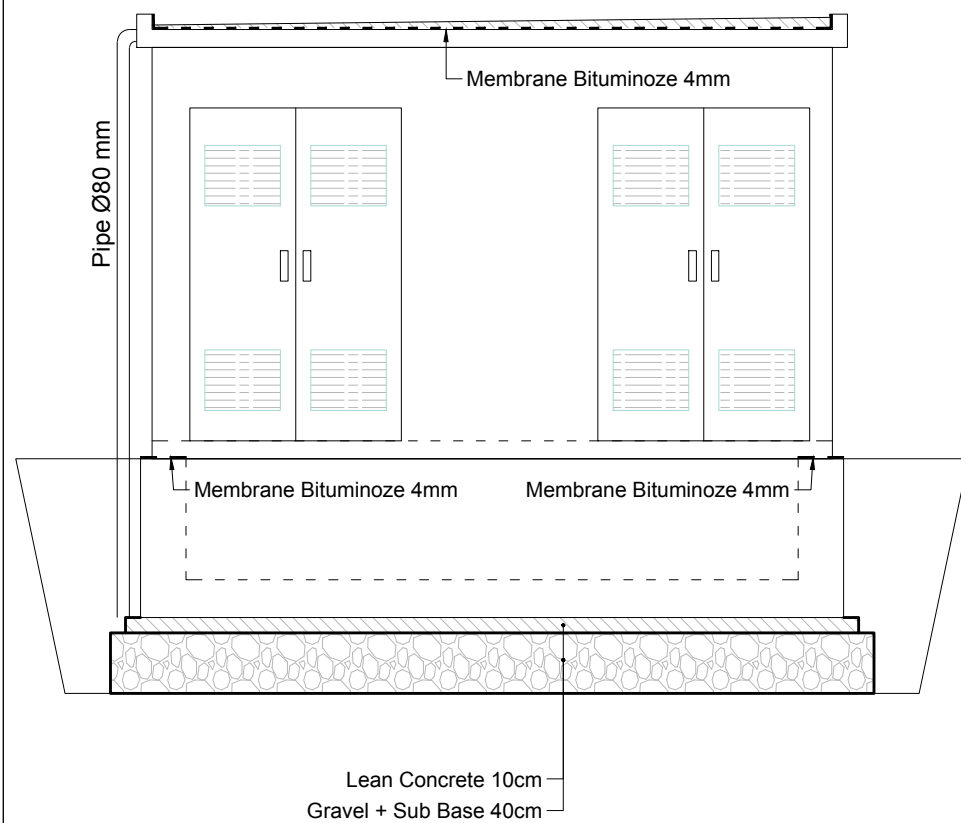
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SRP Schneider & Partner, Ingenieur-Consult GmbH  
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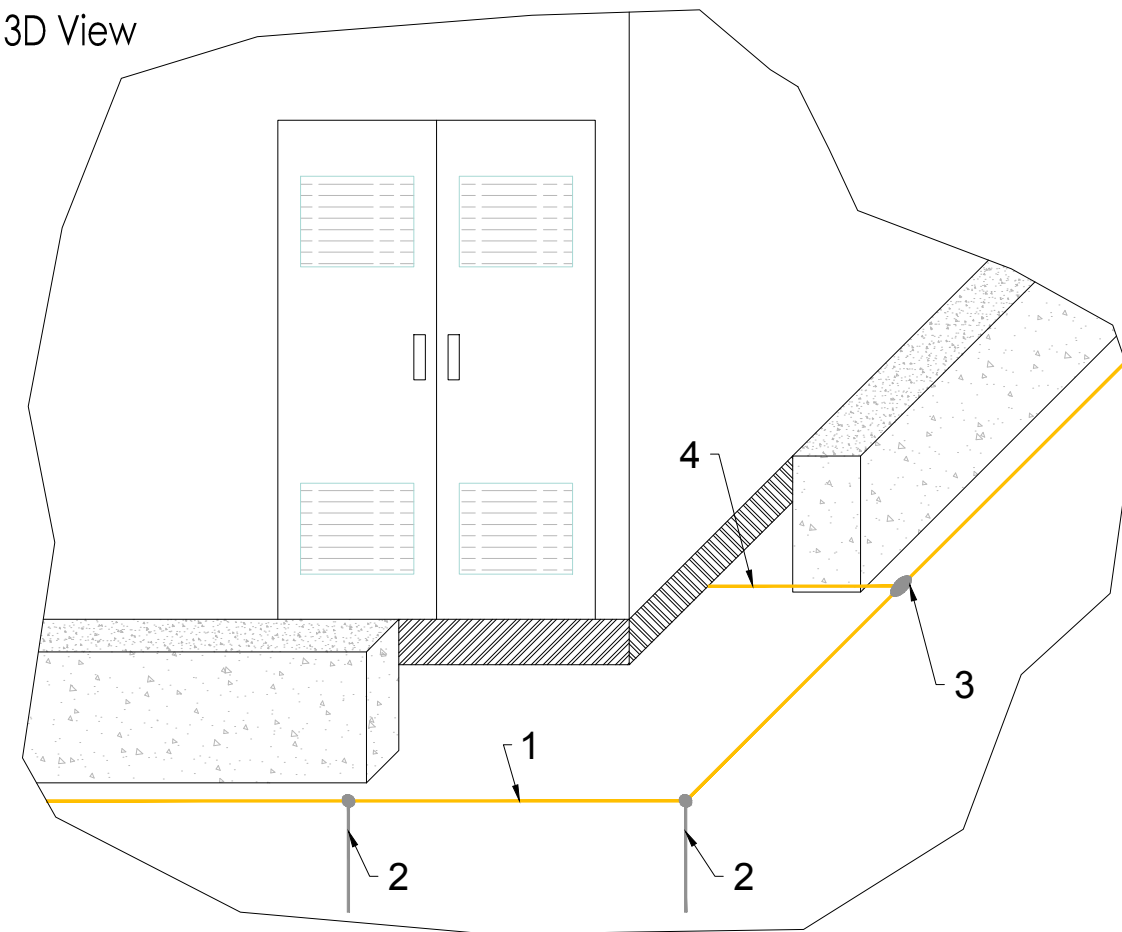


1. Hot galvanized steel bar Fe/Zn 40x4mm (500 gr/cm<sup>2</sup>)
2. Hot galvanized earthing electrodes "+" St/Zn 50x50x5, L=1500mm
3. Morsete St/Zn for connection of earthing tape 40x40mm
4. Round equipment Fe/Zn Ø12mm (350 gr/cm<sup>2</sup>)

Front View



3D View



CLIENT:  
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Contact person: Emi Dautaj (Menaxhere Kontrates)  
Rr. "Sami Frasheri", Nr. 10, Tirana, Albania  
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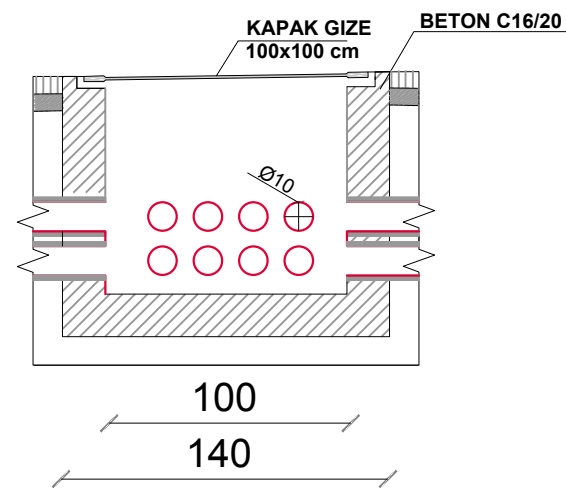
DD-SD-E-05		ELECTRICAL DETAILS	
Drawing number	Description	Format	Date
Detailed Design	420 x 297 mm	1:75	20-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkoda		
Project number	Project name		

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SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k

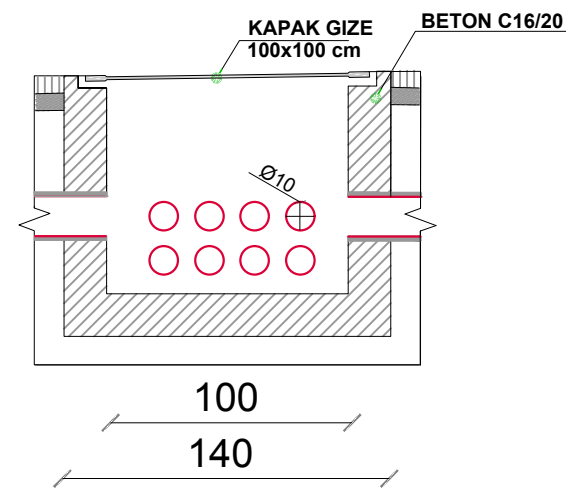
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## Rrjeti i tubacioneve Elektrike te Parkut

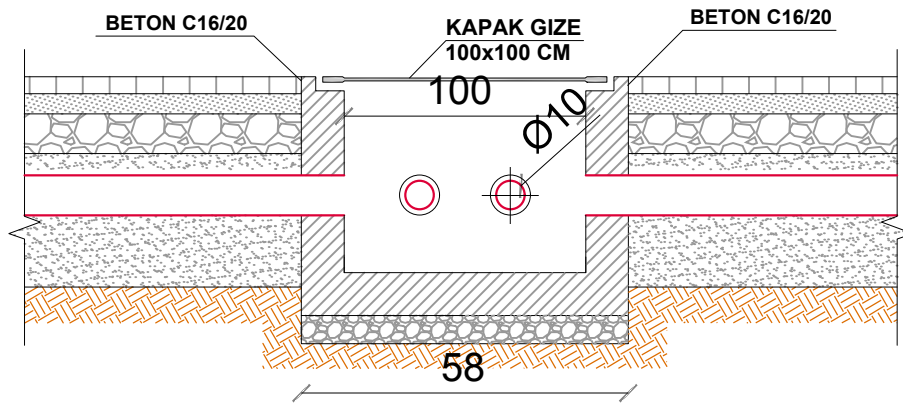
DETAJI I PUSITES 100 x 100 SH 1:30



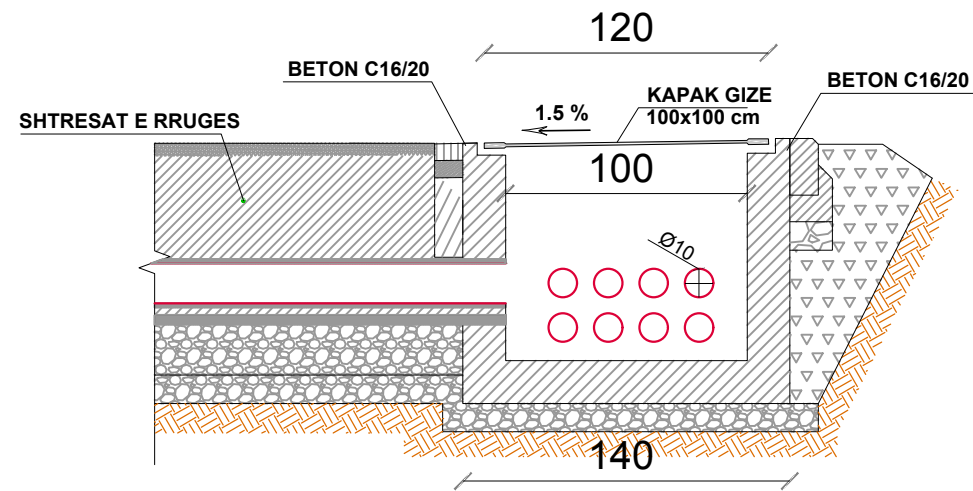
DETAJI I PUSITES 100 x 100 SH 1:30



PRERJE GJATESORE E TUBACIONIT DHE PUSITAVE NE RRUGICA



PRERJE GJATESORE E TUBACIONIT DHE PUSITAVE NE RRUGICA



### SHËNIME :

- Gjatë realizimit të intersektimeve kuota e vendosjes së pusetave prej gize mund të ndryshojë sipas rastit.
- Tubi mund të vendoset me një pjerrësi të lehtë sipas nevojës, por gjithnjë thellësia e vendosjes nuk duhet të jetë më e vogël se  $H_{min}=70\text{cm}$  nga sipërfaqja .

CLIENT:  
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DD-SD-E-06 ELECTRICAL DETAIL

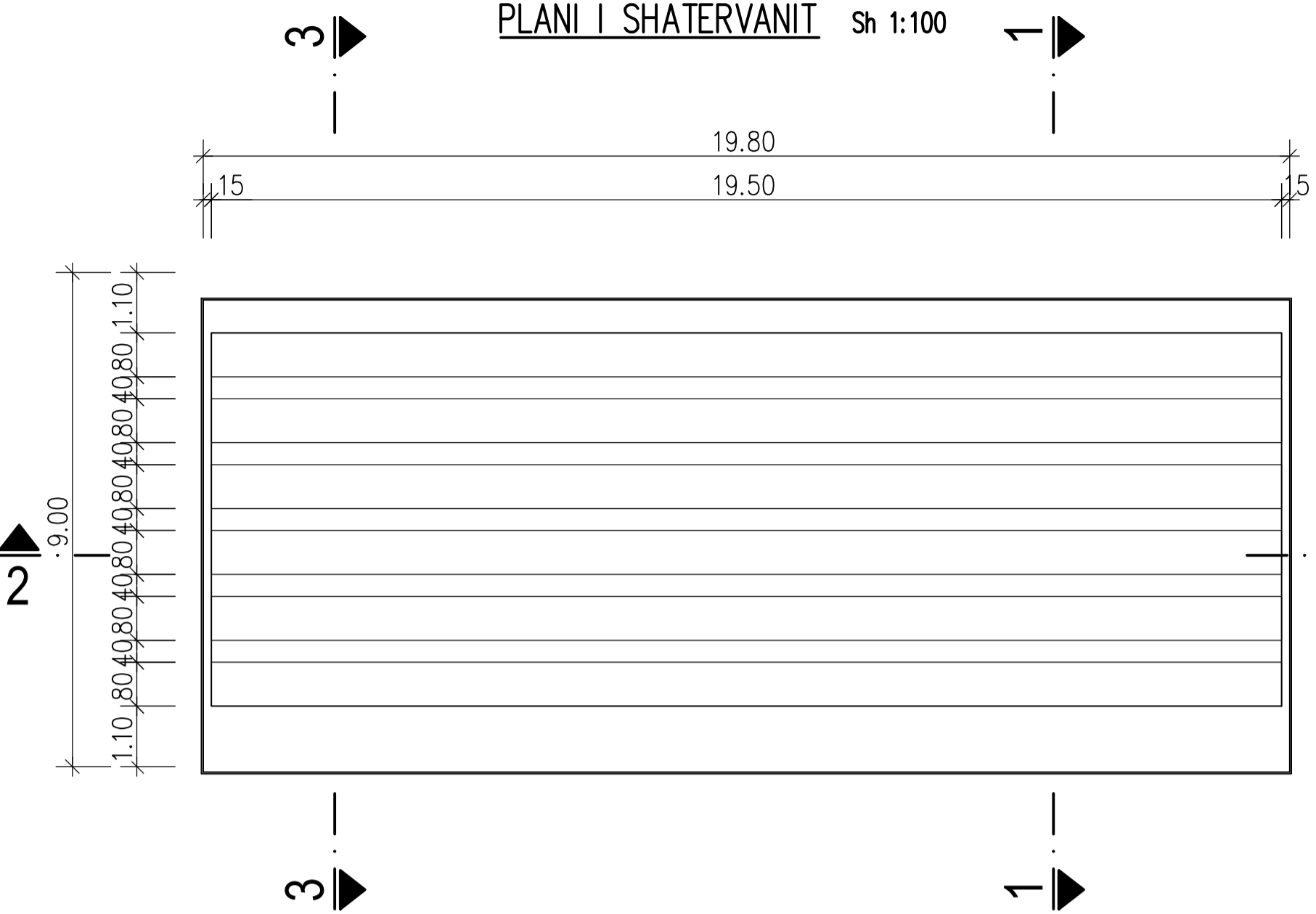
Drawing number	Description	Format	Scale	Date
Detailed Design	420 x 297 mm	1:75		20-09-2022
Phase	Format	Scale	Date	
L077	Master Plan of Interventions at the Entrance of Shkodra			
Project number	Project name			

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SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k

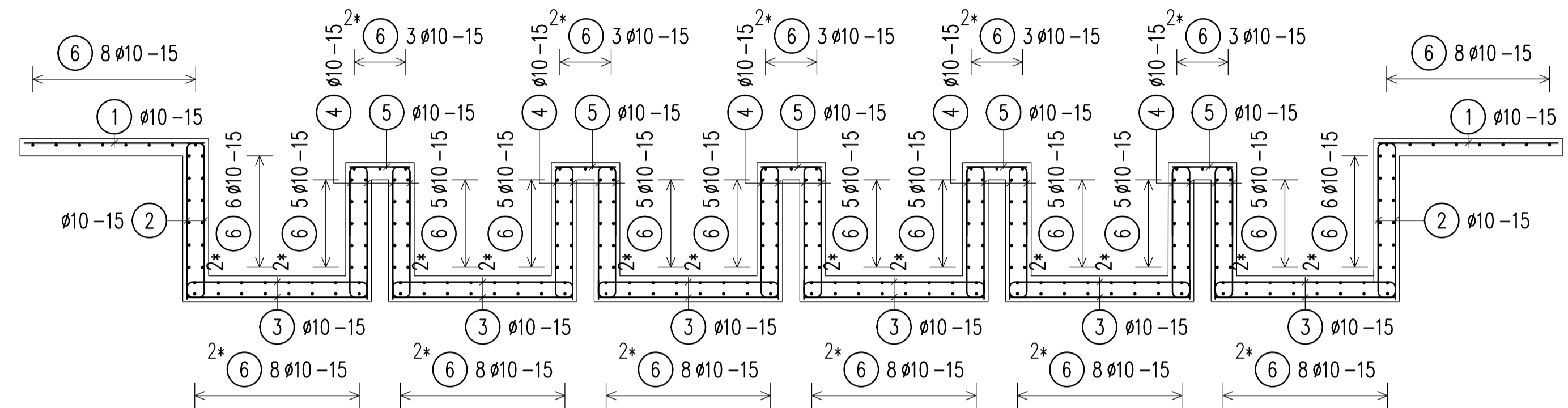
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contact@casanova-herandez.com



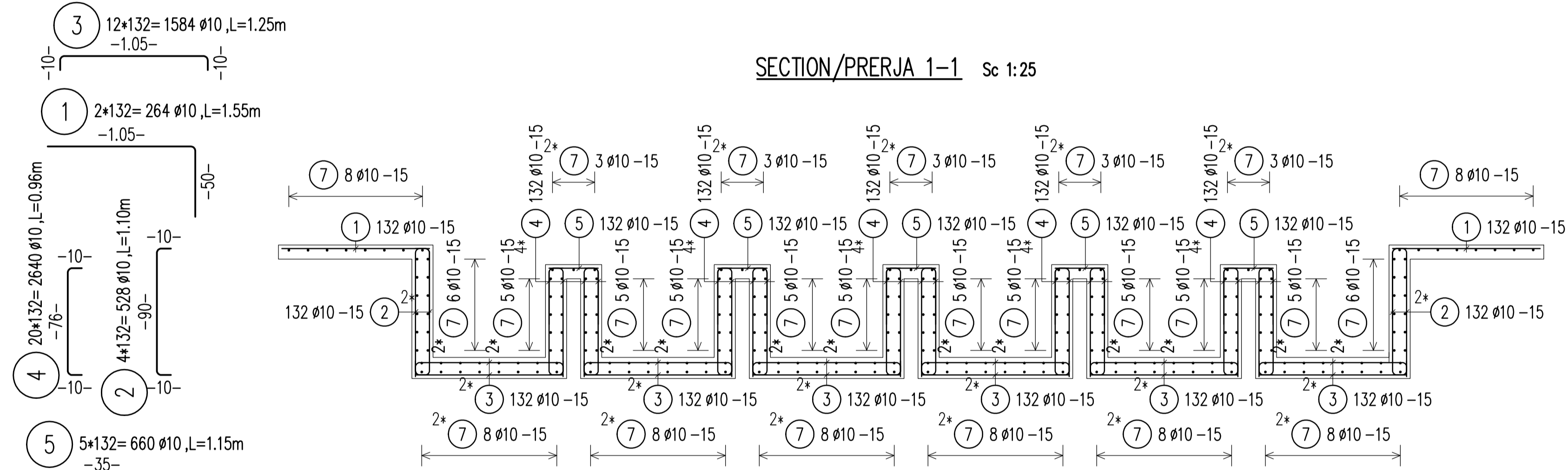
FAUNTAIN PLAN Sc 1:100  
PLANI I SHATERVANIT Sh 1:100



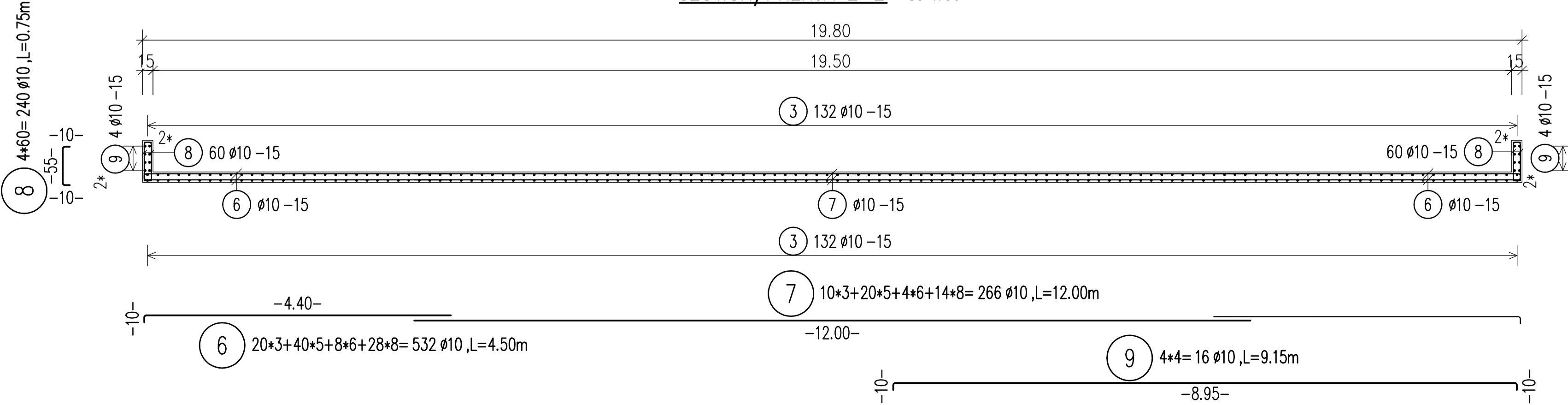
SECTION/PRERJA 3-3 M 1:25



SECTION/PRERJA 1-1 Sc 1:25



SECTION/PRERJA 2-2 Sc 1:50



BENDING SCHEDULE Steelgrade: B500B  
Component: Fountain

Pos.	No.	Ø	Length	db	Type	shape code	Tot. L	Weight kg
1	264	10	1.55	4	A2		409.20	252.476
2	528	10	1.10	4	A3		580.80	358.354
3	1584	10	1.25	4	A3		1980.00	1221.660
4	2640	10	0.96	4	A3		2534.40	1563.725
5	660	10	1.15	4	A3		759.00	468.303
6	532	10	4.50	4	A2		2394.00	1477.098
7	266	10	12.00	4	A1		3192.00	1969.464
8	240	10	0.75	4	A3		180.00	111.060
9	16	10	9.15	4	A3		146.40	90.329

Total weight (kg) 7512.468

BAR SCHEDULE Steelgrade: B500B  
Component: Fountain

Pos.	No.	D	Length	D10
1	264	10	1.55	409.20
2	528	10	1.10	580.80
3	1584	10	1.25	1980.00
4	2640	10	0.96	2534.40
5	660	10	1.15	759.00
6	532	10	4.50	2394.00
7	266	10	12.00	3192.00
8	240	10	0.75	180.00
9	16	10	9.15	146.40

Total lengths 12175.80  
kg / m D10 0.617  
kg / d 7512.468

Total weight (kg) 7512.468

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLËZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $> 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VLËZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- NOTES/SHENIME
- Të gjitha koordinatat janë në UTM WGS84 34N.
  - Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
  - Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
  - Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
  - Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
  - Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
  - Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

CLIENT:  
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Contact person: Emi Dautaj (Merinxhëre Kontrates)  
Rr. "Sami Frasheri", Nr. 10, Tirana, Albania  
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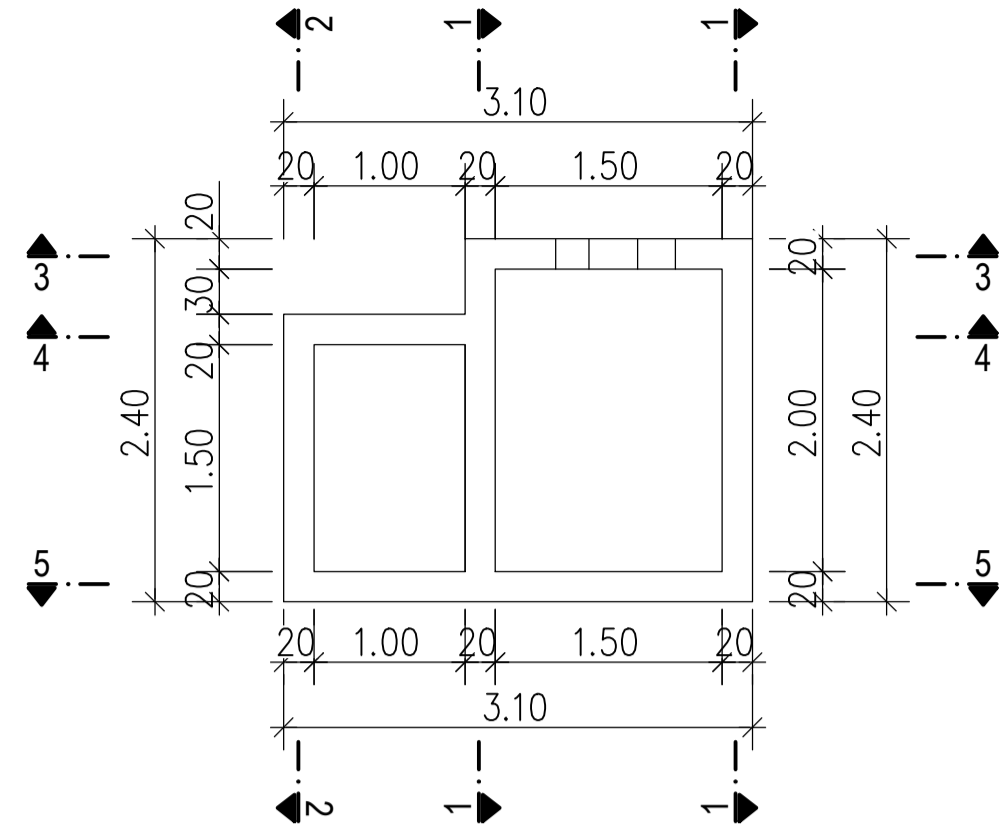
CASANOVA+HERNANDEZ ARCHITECTS  
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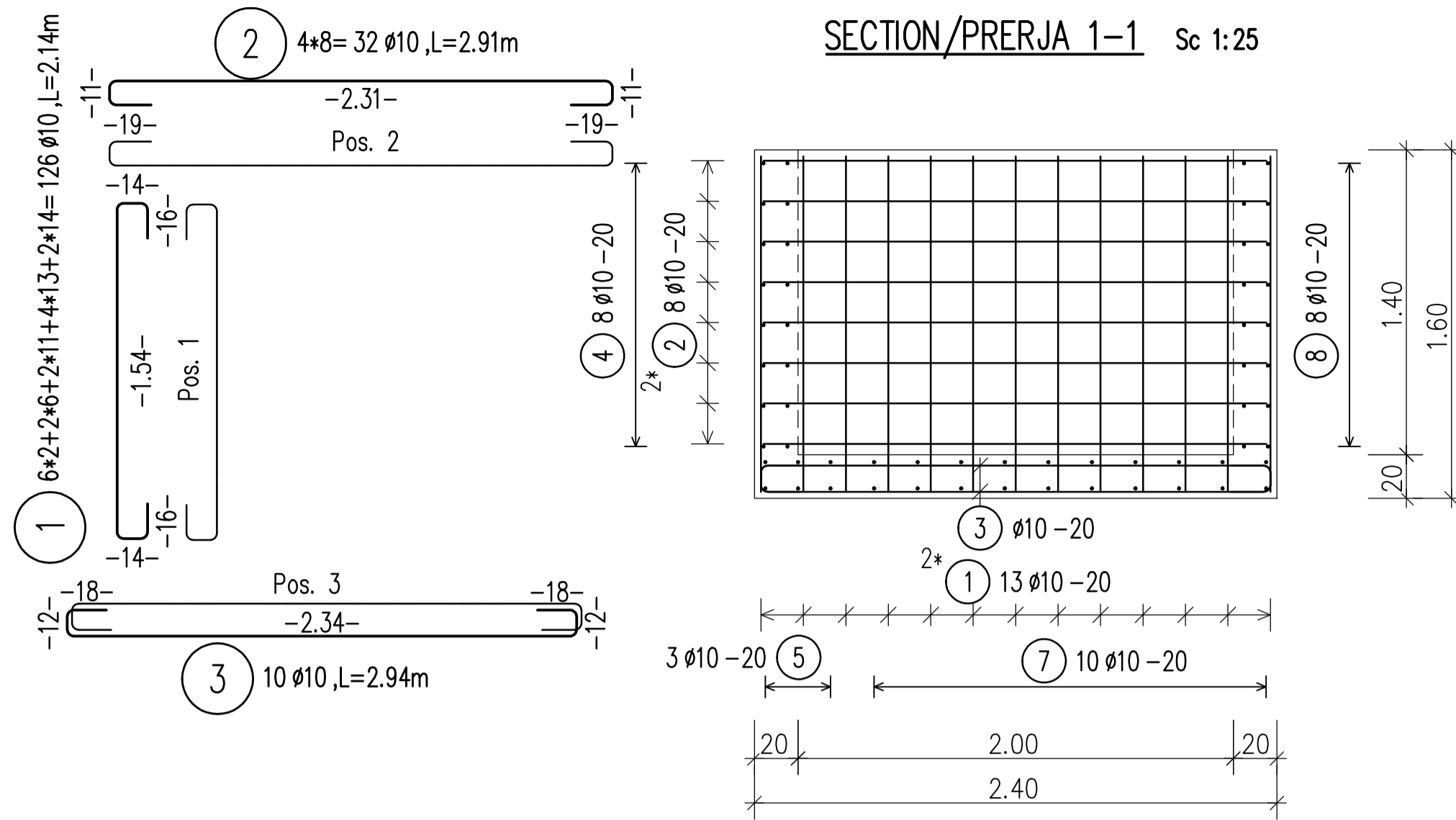
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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DD-ST-F-01 Fountain Structural Design	
Drawing number	Description
Detailed Design	841 x 594 mm 1:100/1:50/1:25 01-09-2022
Phase	Format
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

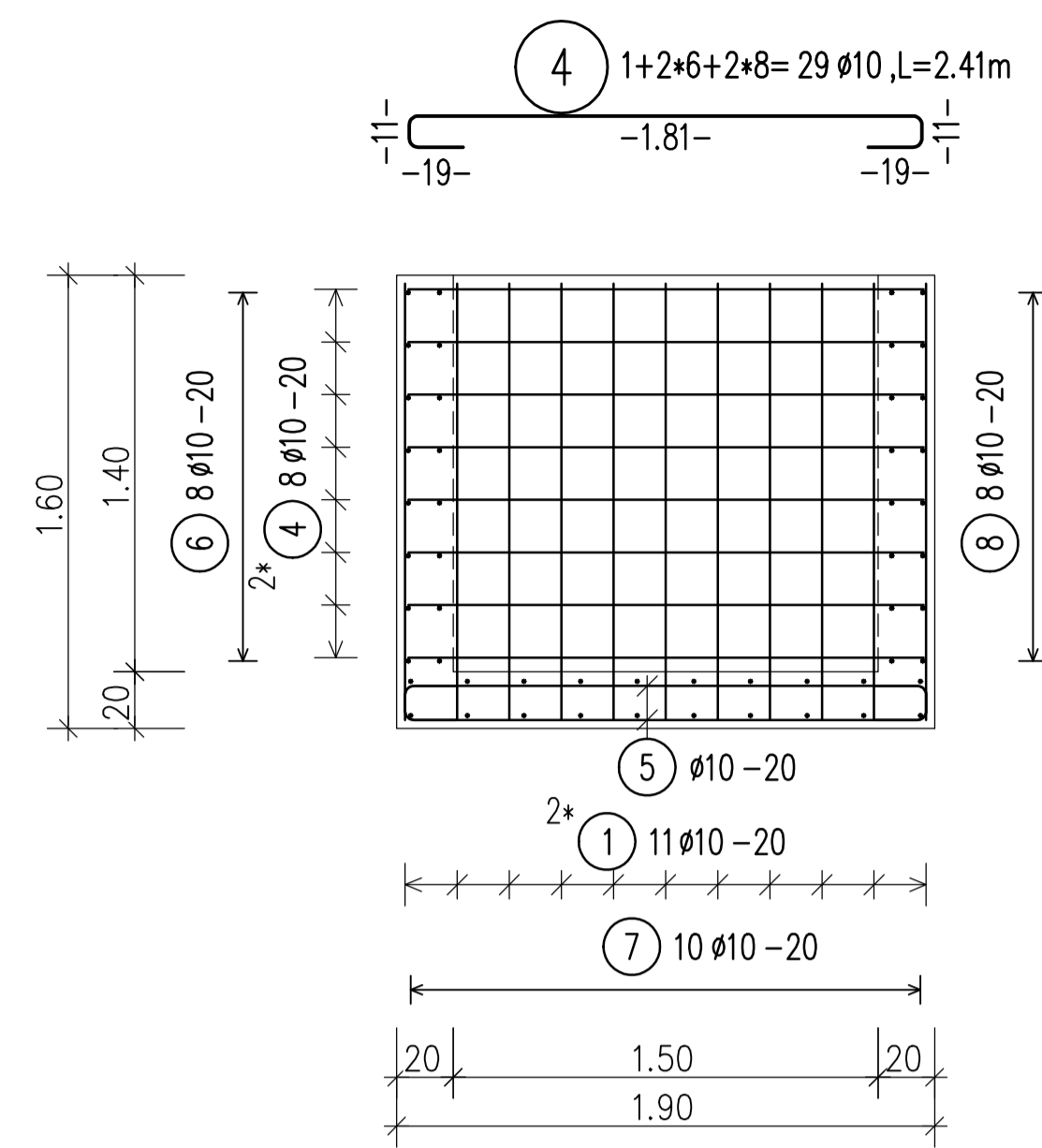
**WATER PUMP - MANHOLE PLAN** Sc 1:50  
**PLANI I PUSËTES SE POMPES** Sh 1:50



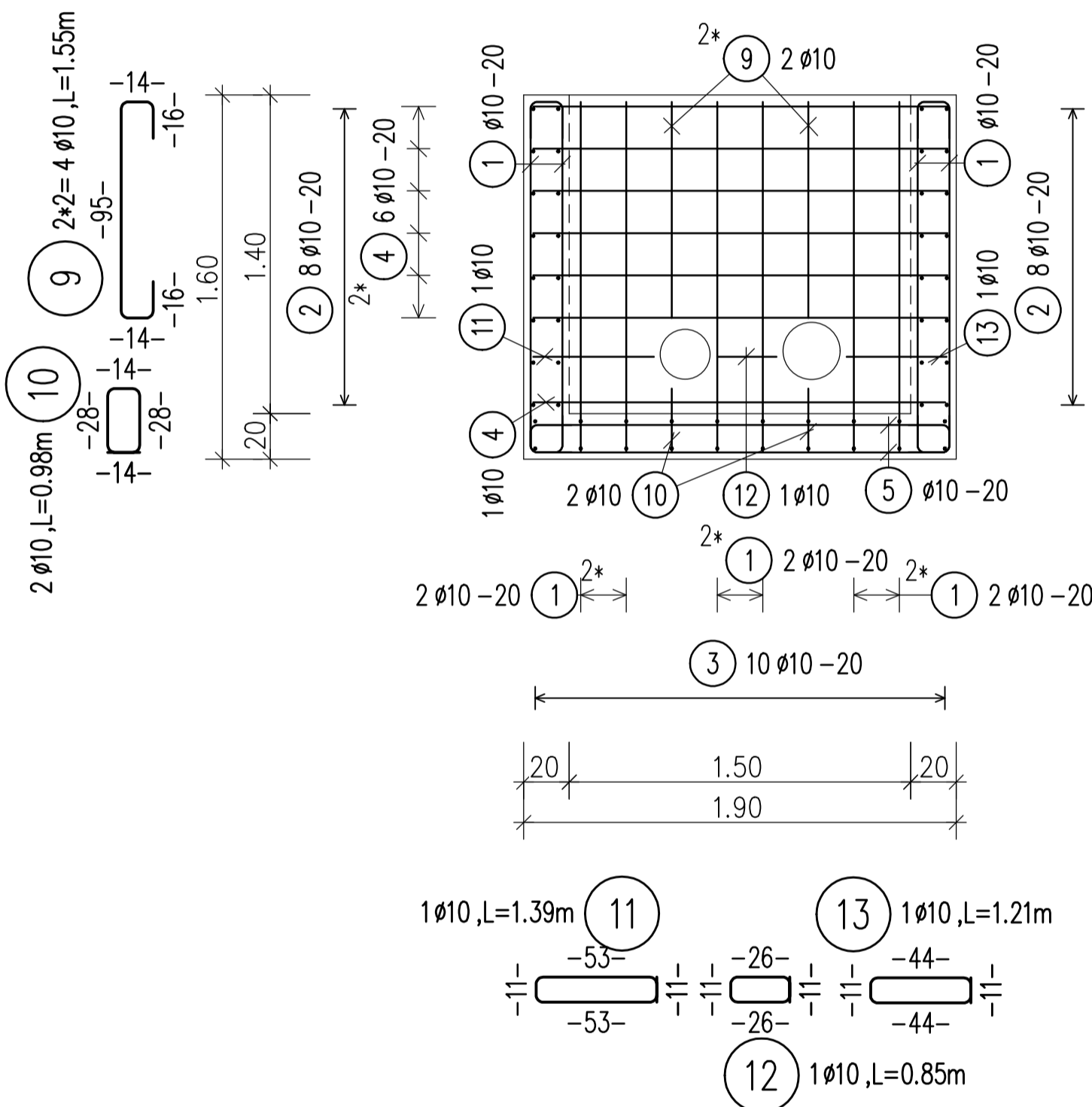
**SECTION/PRERJA 1-1** Sc 1:25



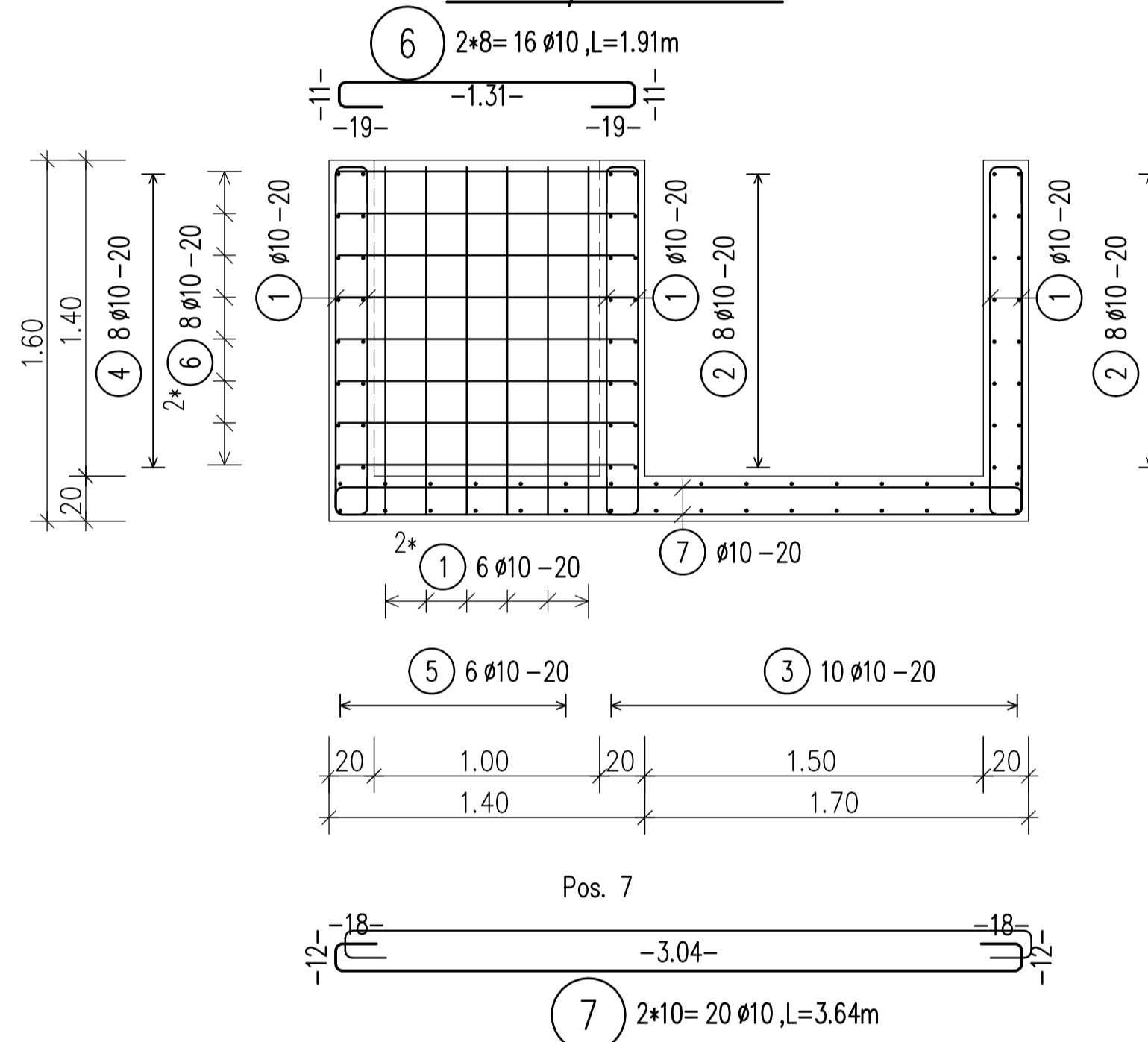
**SECTION/PRERJA 2-2** Sc 1:25



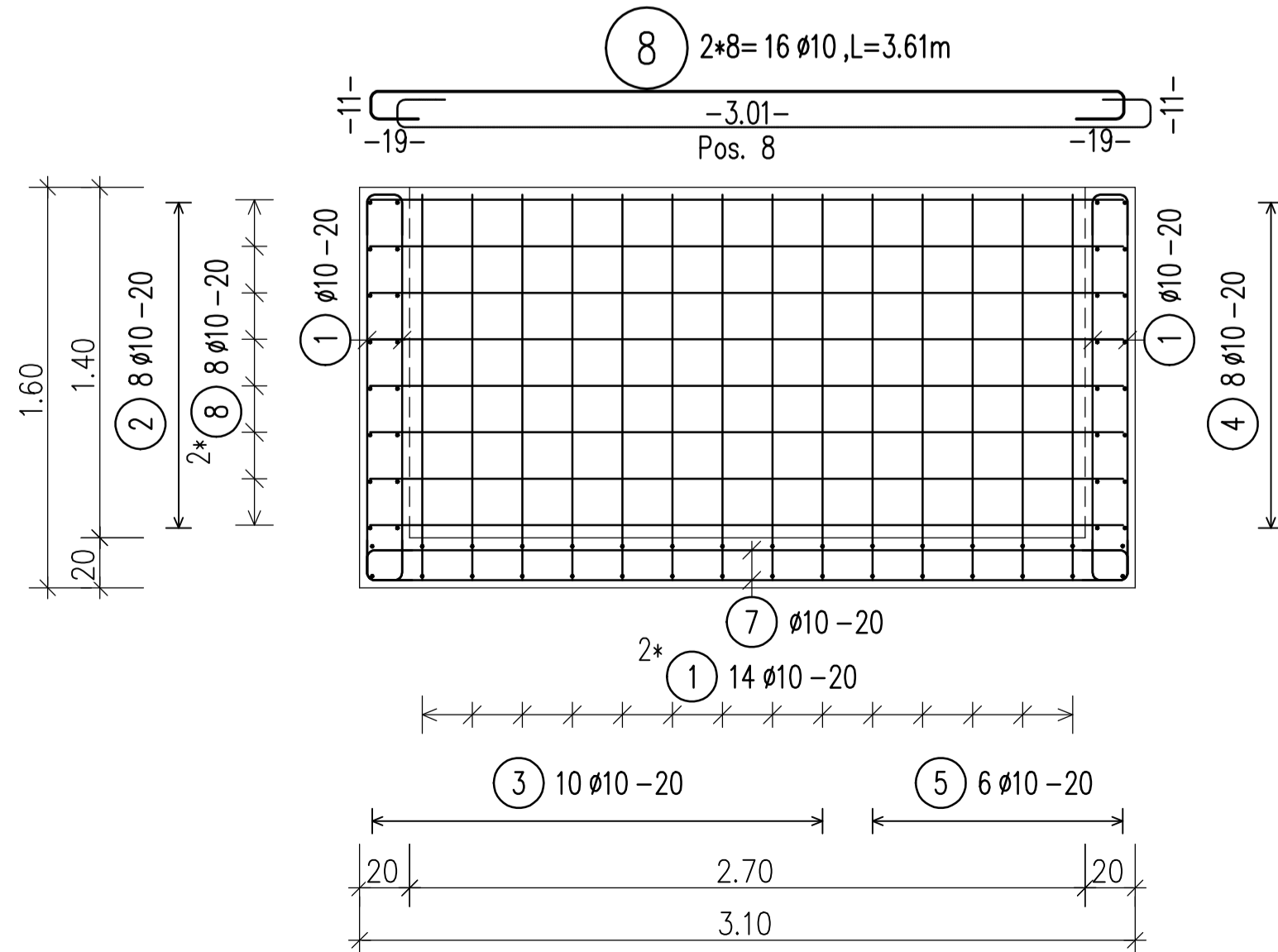
**SECTION/PRERJA 3-3** Sc 1:25



**SECTION/PRERJA 4-4** Sc 1:25



**SECTION/PRERJA 5-5** Sc 1:25



**BAR SCHEDULE** Steelgrade: B500B

Component: Water Pump Manhole

Pos.	No.	D	Length	Tot. L	Weight(kg)
1	126	10	2.14	269.64	166.368
2	32	10	2.91	93.12	57.455
3	10	10	2.94	29.40	18.140
4	29	10	2.41	69.89	43.122
5	12	10	2.44	29.28	18.066
6	16	10	1.91	30.56	18.856
7	20	10	3.64	72.80	44.918
8	16	10	3.61	57.76	35.638
9	4	10	1.55	6.20	3.825
10	2	10	0.98	1.96	1.209
11	1	10	1.39	1.39	0.858
12	1	10	0.85	0.85	0.524
13	1	10	1.21	1.21	0.747

Total steelqu.	Tot. L	kg/m	Weight(kg)
10	664.06	0.617	409.725
<b>Total weight (kg)</b>			<b>409.725</b>

**BENDING SCHEDULE** Steelgrade: B500B

Pos.	No.	Ø	Length	db	Type	shape	code	Tot. L	Weight
1	126	10	2.14	4	A4	16 16	14 14	269.64	166.368
2	32	10	2.91	4	A4	11 19	11 11	93.12	57.455
3	10	10	2.94	4	A4	12 18	12 12	29.40	18.140
4	29	10	2.41	4	A4	11 19	11 11	69.89	43.122
5	12	10	2.44	4	A4	12 18	12 12	29.28	18.066
6	16	10	1.91	4	A4	11 19	11 11	30.56	18.856
7	20	10	3.64	4	A4	12 18	12 12	72.80	44.918
8	16	10	3.61	4	A4	11 19	11 11	57.76	35.638
9	4	10	1.55	4	A4	14 16	14 14	6.20	3.825
10	2	10	0.98	4	A4	14 28	14 14	1.96	1.209
11	1	10	1.39	4	A4	11 53	11 11	1.39	0.858
12	1	10	0.85	4	A4	11 26	11 11	0.85	0.524
13	1	10	1.21	4	A4	11 44	11 11	1.21	0.747

Total weight (kg) 409.725

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $d_s \geq 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLËZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HATCHED AREA/ZONA E VJËZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE	
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20\text{mm}$ ; $c_{nom} = 30\text{mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

**NOTES/SHENIME**

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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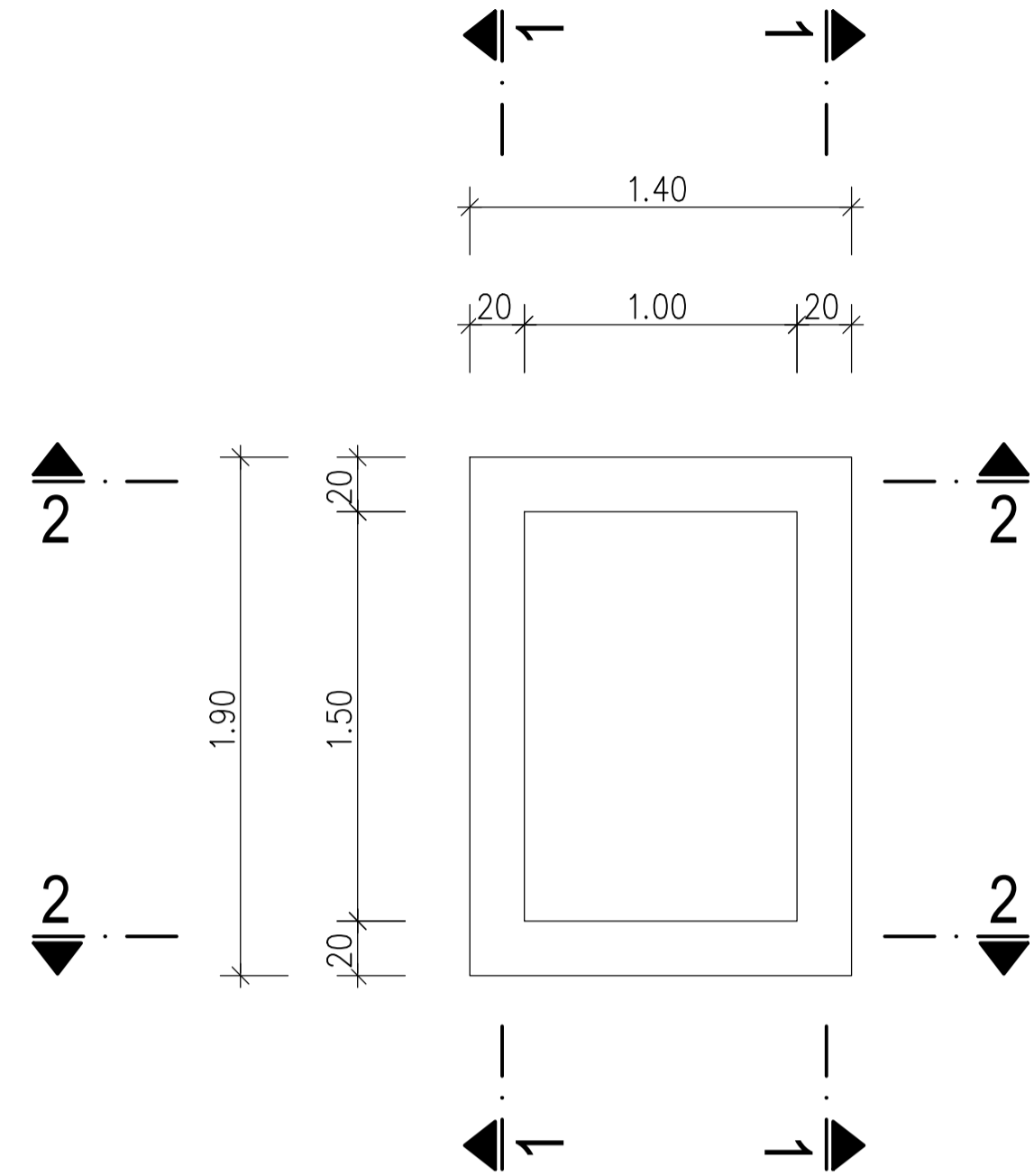
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DD-ST-F-02		Structural Design Fountain Elements	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:50/1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

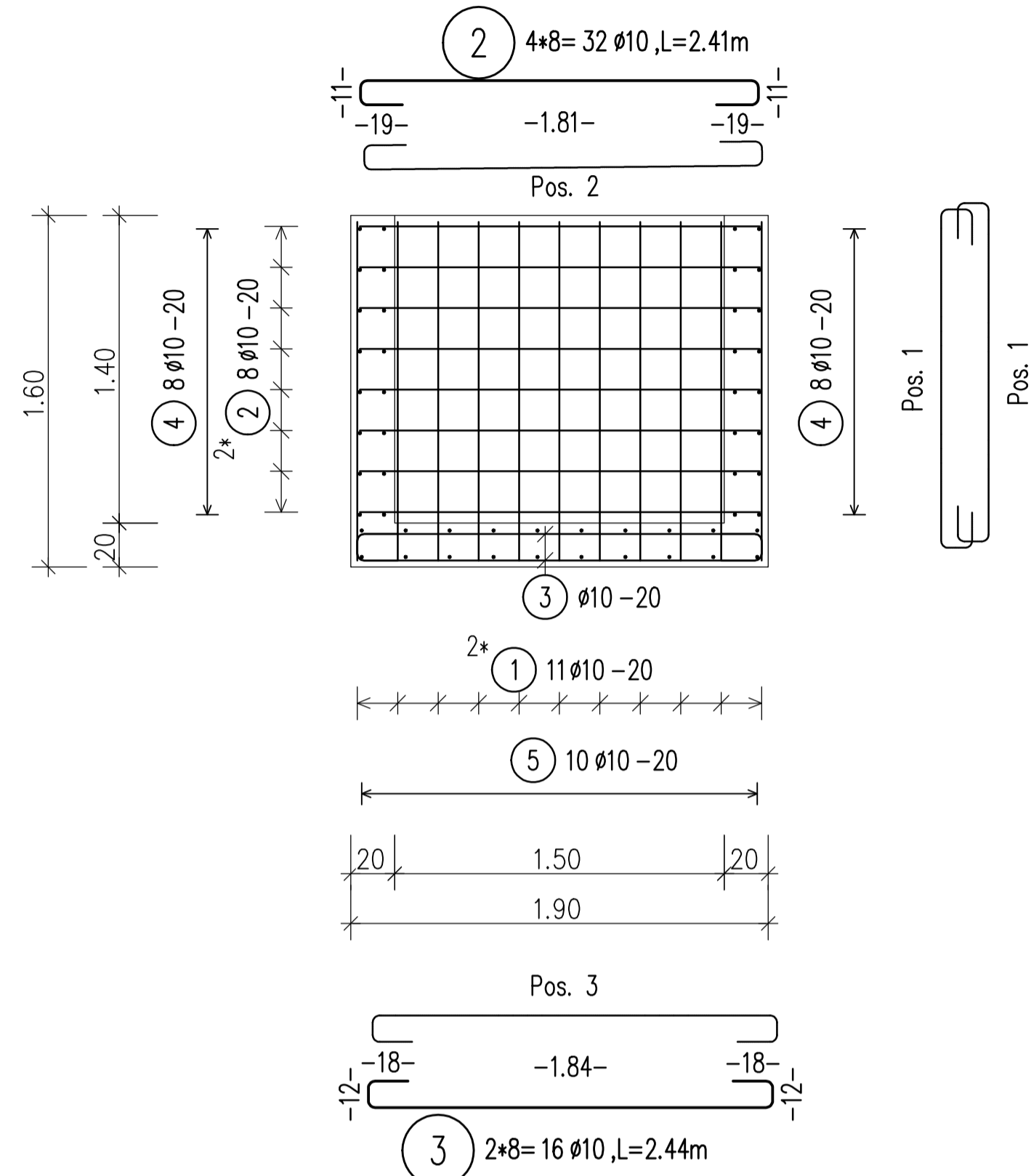
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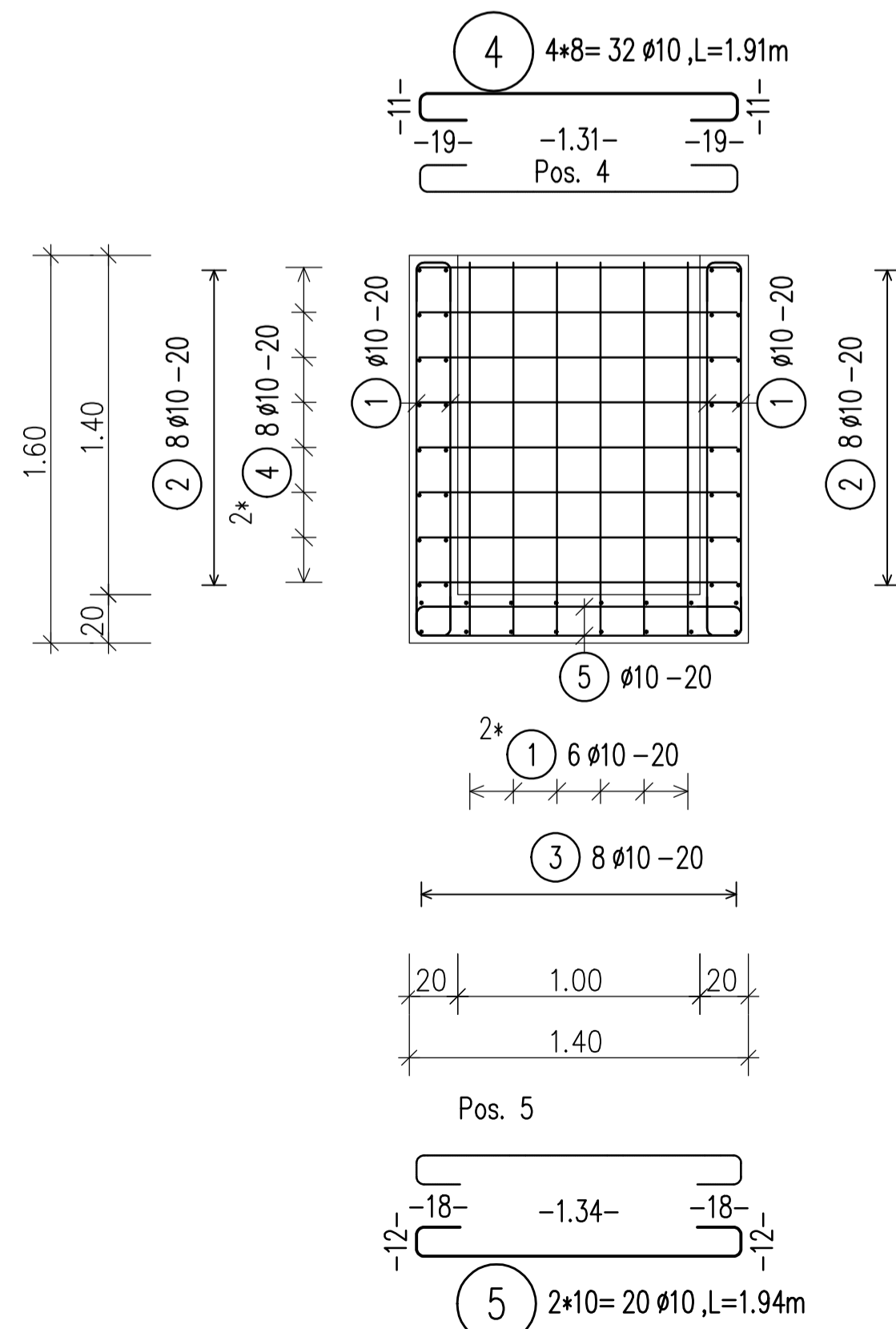
WELL - MANHOLE PLAN Sc 1:25  
 PLANI I PUSËTES TE PUSIT Sh 1:25



SECTION/PRERJA 1-1 Sc 1:25



SECTION/PRERJA 2-2 Sc 1:25



BAR SCHEDULE Steelgrade: B500B  
 Component: Well Manhole

Pos.	No.	D	Length	Tot. L	Weight(kg)
1	68	10	2.14	145.52	89.786
2	32	10	2.41	77.12	47.583
3	16	10	2.44	39.04	24.088
4	32	10	1.91	61.12	37.711
5	20	10	1.94	38.80	23.940
Total steelau.					
D(mm)	Tot. L	kg/m	Weight(kg)		
10	361.60	0.617	223.107		
Total weight (kg)			223.107		

BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	Ø	Length	dbr ds	Type	shape code	Tot. L	Weight kg
1	68	10	2.14	4	A4	16 16 1.54	145.52	89.786
2	32	10	2.41	4	A4	19 19 1.81	77.12	47.583
3	16	10	2.44	4	A4	18 18 1.84	39.04	24.088
4	32	10	1.91	4	A4	19 19 1.31	61.12	37.711
5	20	10	1.94	4	A4	18 18 1.34	38.80	23.940
Total weight (kg)							223.107	

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLËZUAR. GOOD BOND CONDITION/KUSHTE TË MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VËLZUAR. POOR BOND CONDITION/KUSHTE TË KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TË MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

NOTES/SHENIME

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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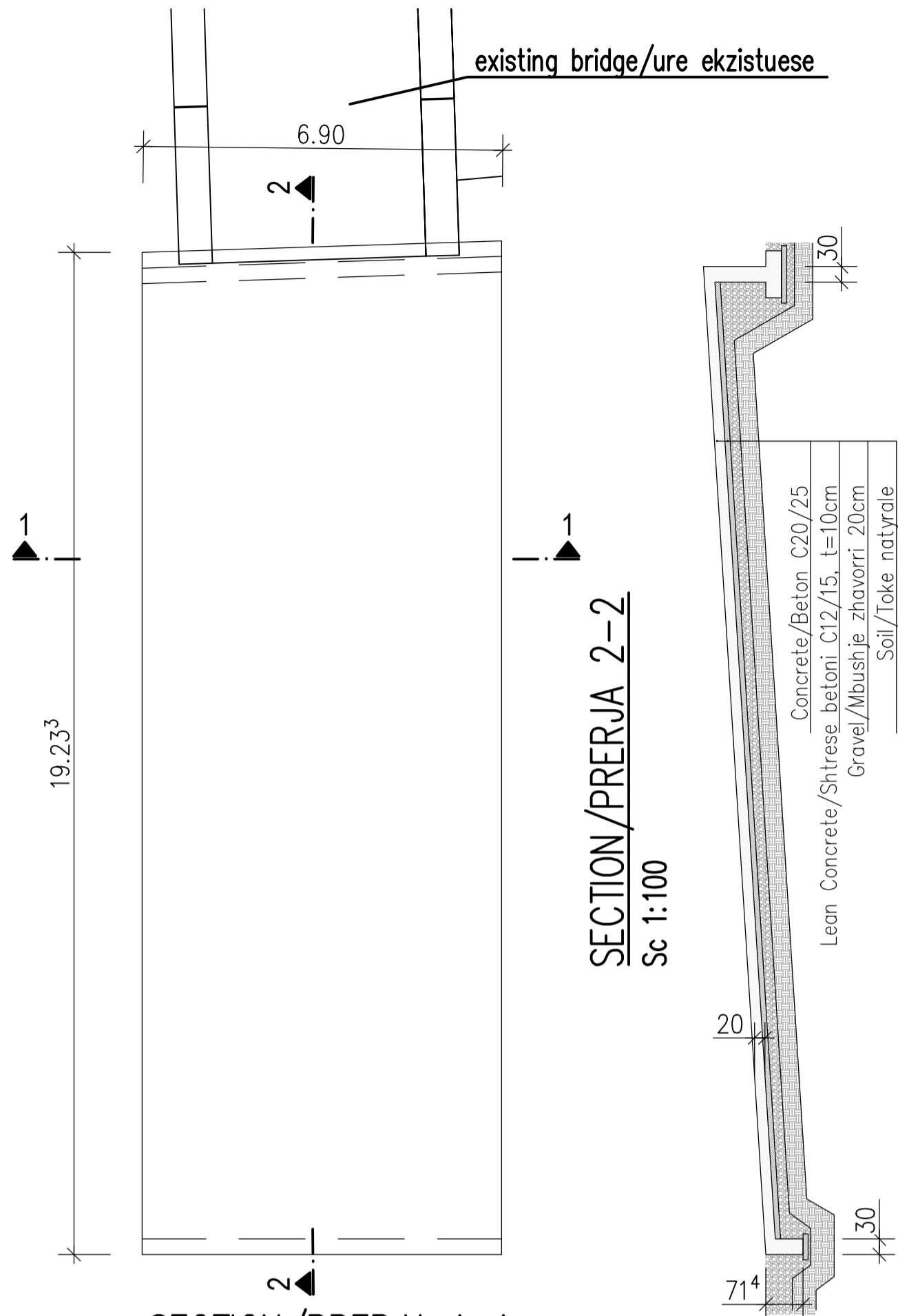
DD-ST-F-03		Structural Design Fountain Elements	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



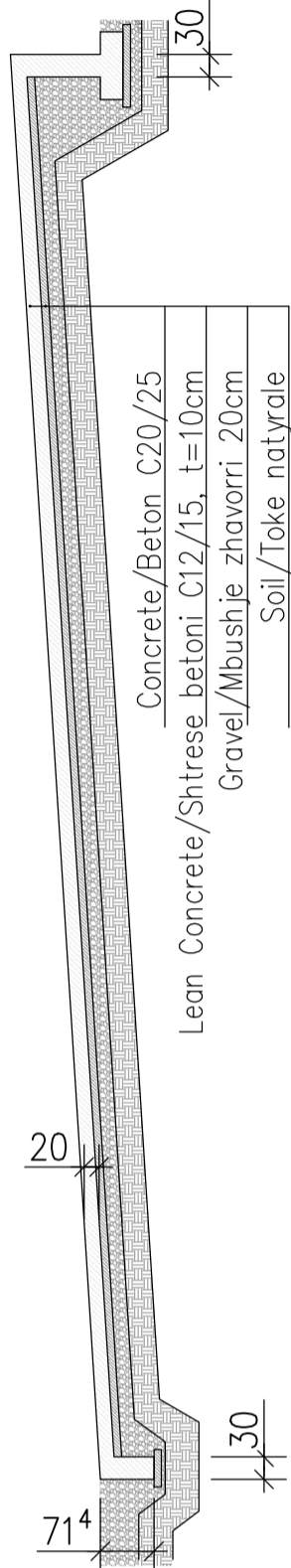
RAMP PLANVIEW/PLAN RAMPE

Sc 1:100

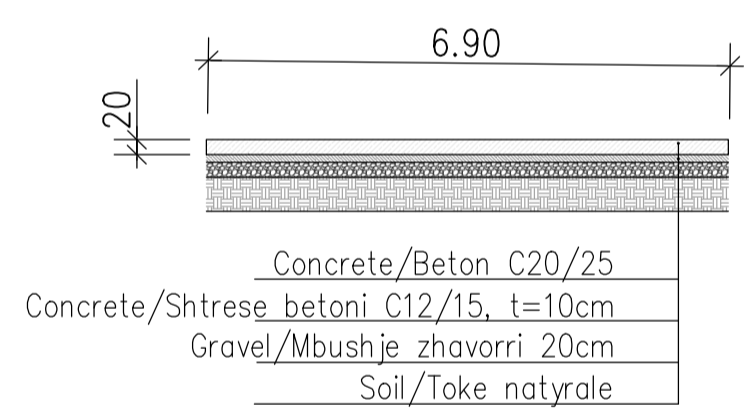
existing bridge/ure ekzistuese



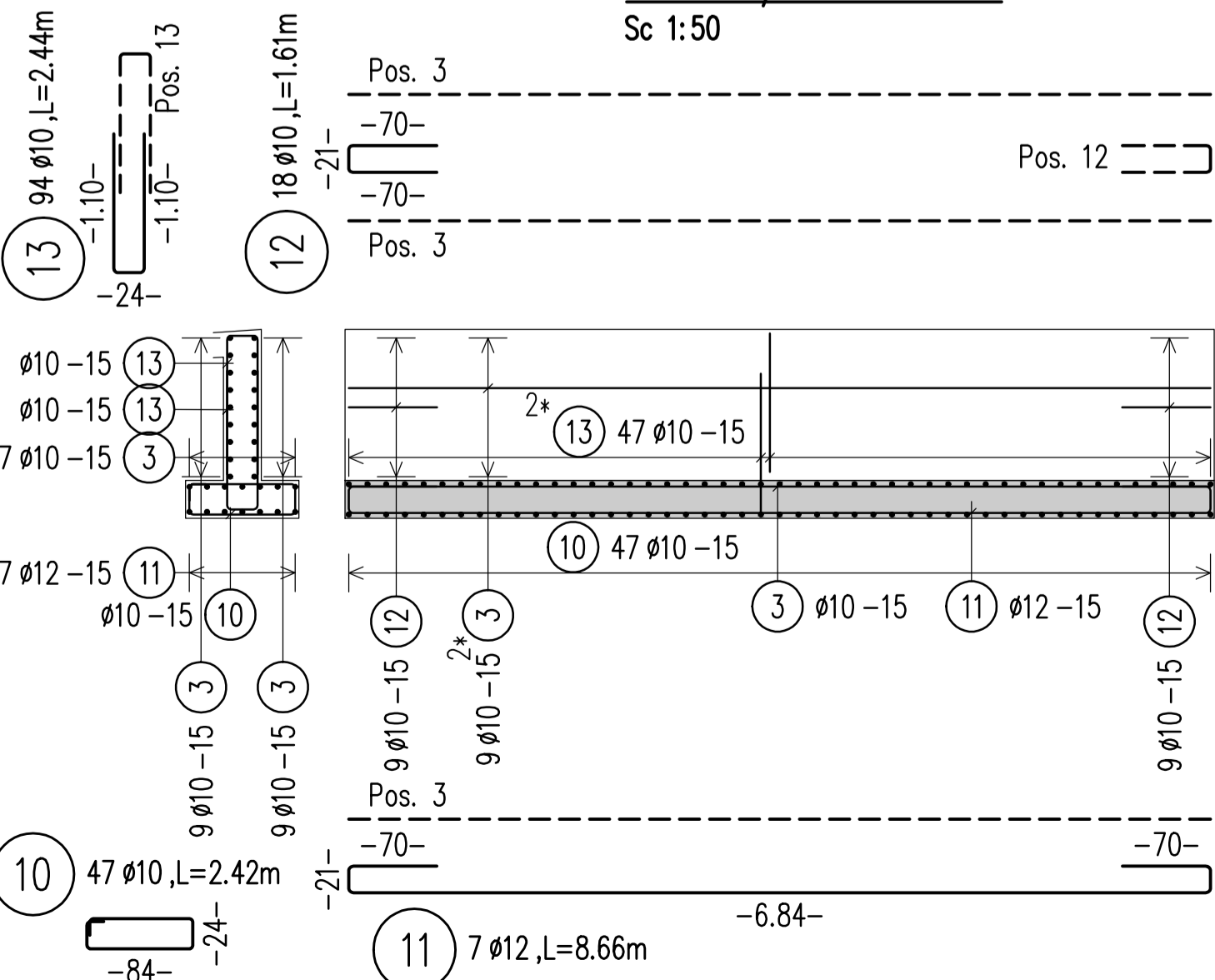
SECTION/PRERJA 2-2  
Sc 1:100



SECTION/PRERJA 1-1  
Sc 1:50

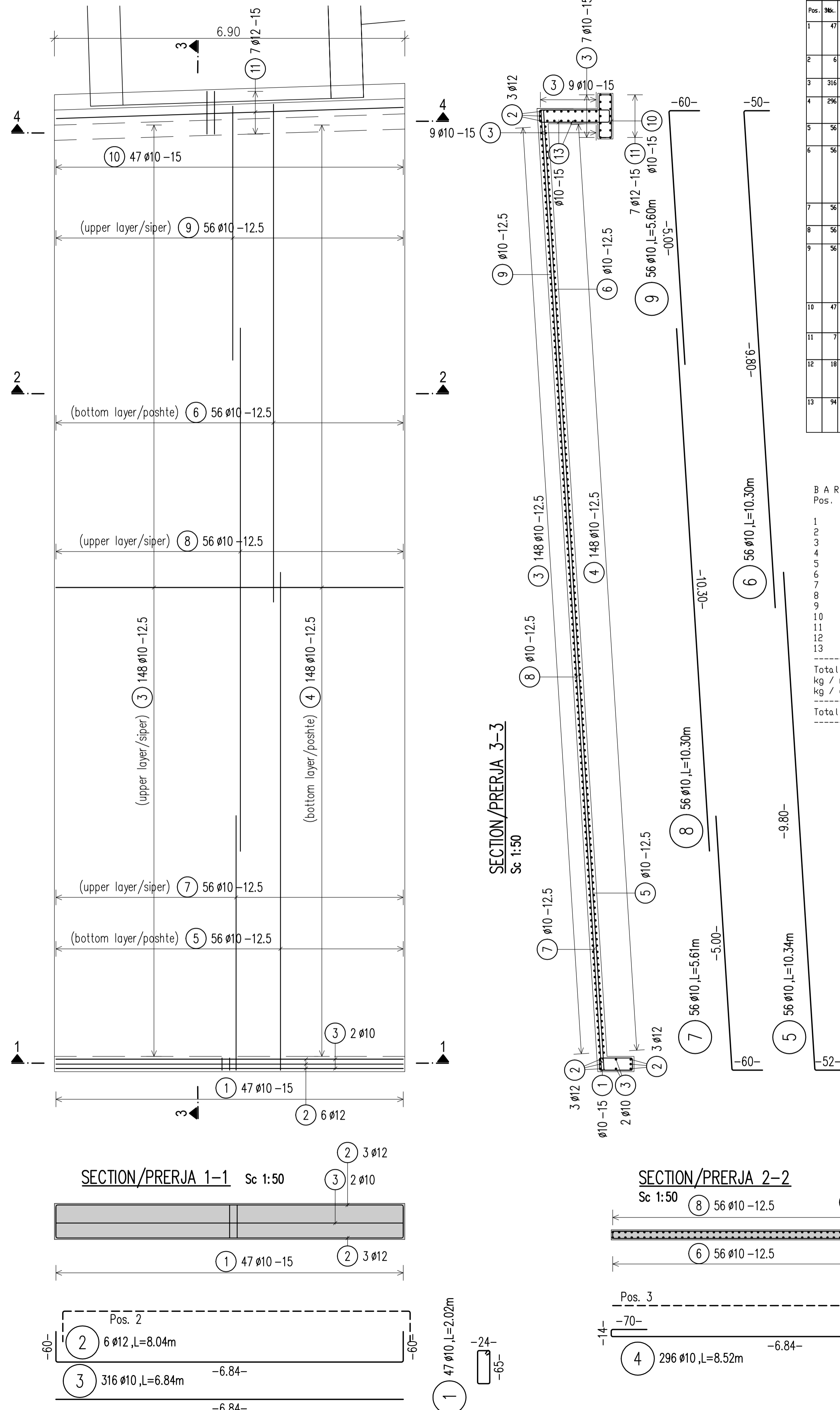


SECTION/PRERJA 4-4  
Sc 1:50

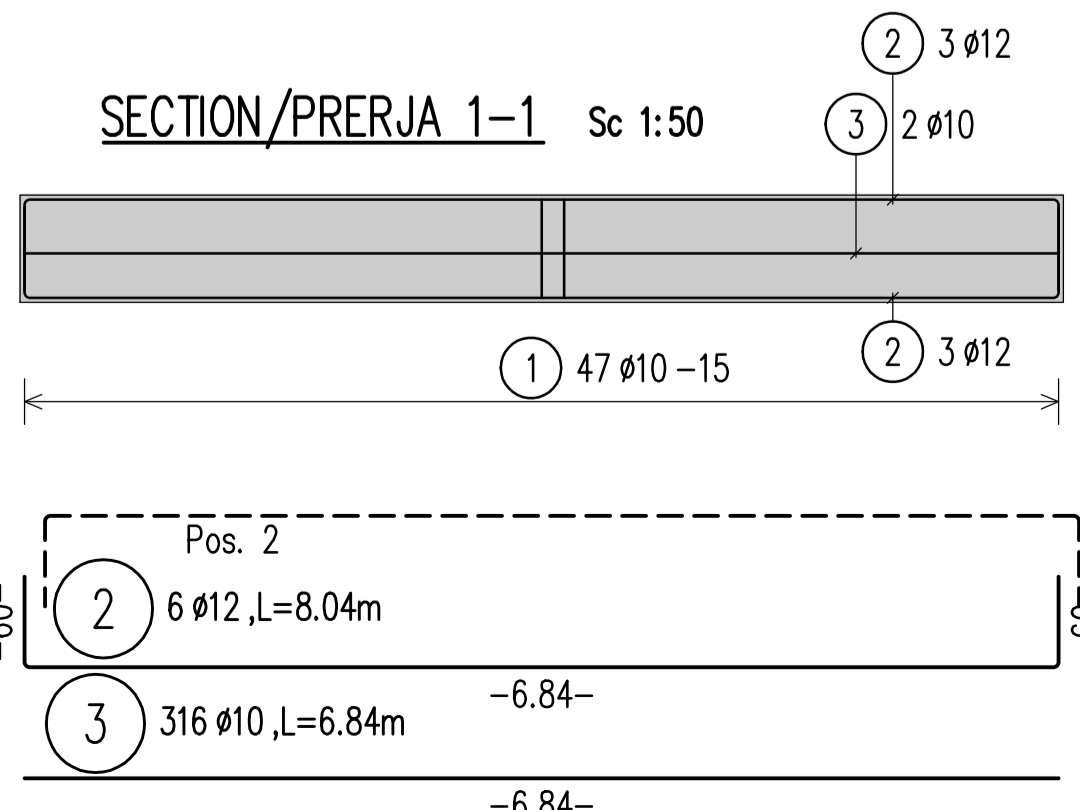


RAMP REINFORCEMENT/ARMIM RAMPE

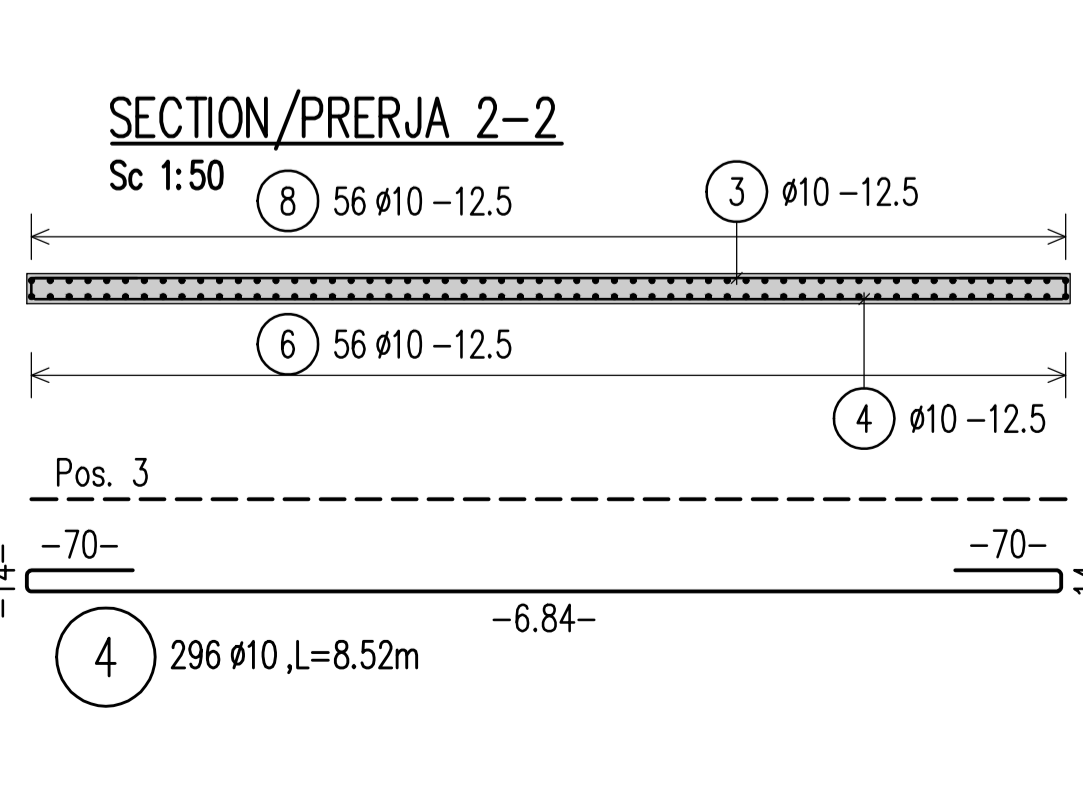
PLANVIEW/PLAN Sc 1:50



SECTION/PRERJA 1-1 Sc 1:50



SECTION/PRERJA 2-2 Sc 1:50



Pos.	No.	d	Length	D10	D12
1	47	10	2.02	94.94	
2	6	12	8.04		48.24
3	316	10	6.84	2161.44	
4	296	10	8.52	2521.92	
5	56	10	10.34	579.04	
6	56	10	10.30	576.80	
7	56	10	5.61	314.16	
8	56	10	10.30	576.80	
9	56	10	5.60	313.60	
10	47	10	2.42	113.74	70.176
11	7	12	8.66		60.62
12	18	10	1.61	28.98	60.62
13	94	10	2.44	229.36	
Total length				7510.78	108.86
kg / m				D10 0.617	D12 0.888
kg / d				4634.151	96.668
Total weight (kg)				4730.819	

Pos.	No.	d	Length	D10	D12
1	47	10	2.02	94.94	
2	6	12	8.04		48.24
3	316	10	6.84	2161.44	
4	296	10	8.52	2521.92	
5	56	10	10.34	579.04	
6	56	10	10.30	576.80	
7	56	10	5.61	314.16	
8	56	10	10.30	576.80	
9	56	10	5.60	313.60	
10	47	10	2.42	113.74	70.176
11	7	12	8.66		60.62
12	18	10	1.61	28.98	60.62
13	94	10	2.44	229.36	
Total length				7510.78	108.86
kg / m				D10 0.617	D12 0.888
kg / d				4634.151	96.668
Total weight (kg)				4730.819	

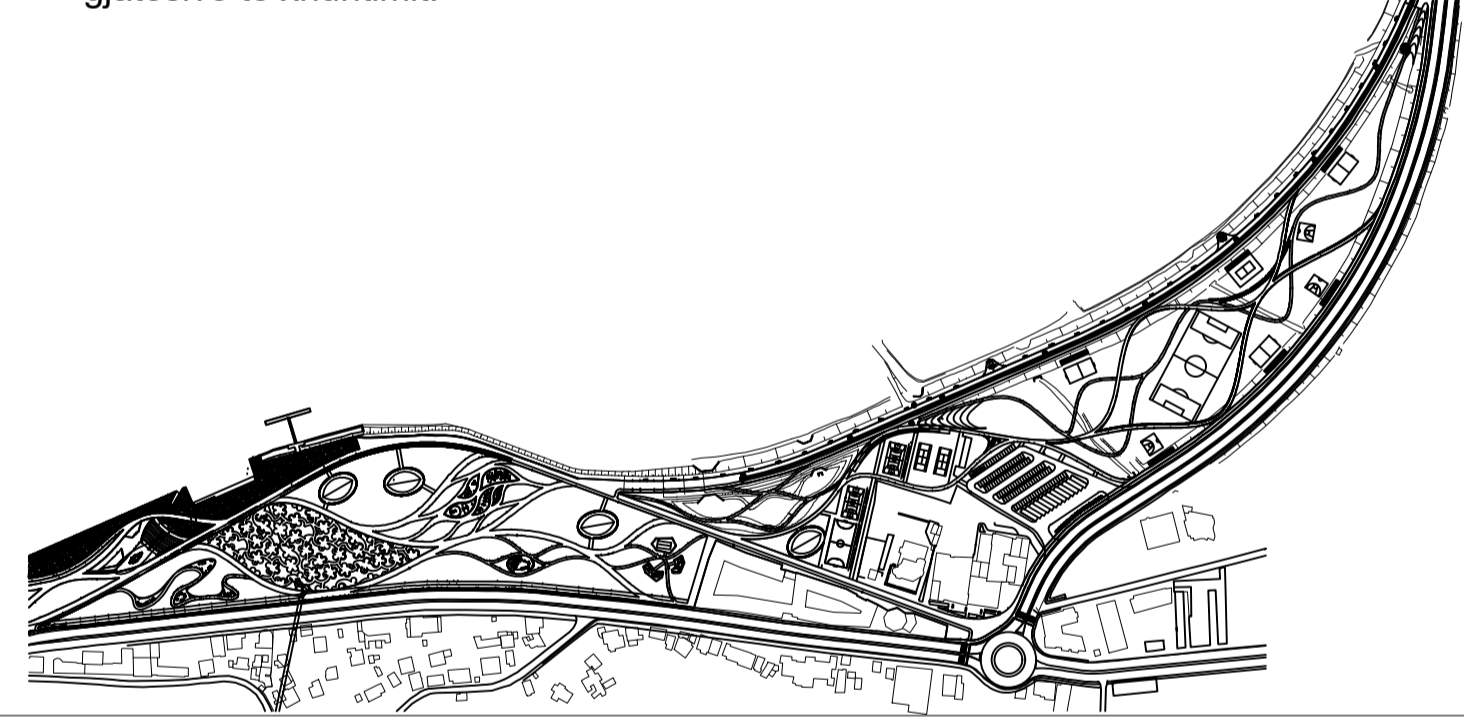
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR - GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $> 20 \text{ mm}$
HATCHED AREA/ZONA E VJEUZUAR - POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		$d_{tr} = 4 d_s$ $d_{tr} = 7 d_s$

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- GENERAL NOTES/SHËNIME TË PËRGJITHSHME**
- Të gjitha koordinatat janë në UTM WGS84 34N.
  - Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
  - Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
  - Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
  - Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
  - Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
  - Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësisë të xhuntimit.



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DD-ST-F-04 Ramp Structural Design	
Drawing number	Description
Detailed Design	841 x 594 mm 1:50 23-09-2022
Phase	Format   Scale   Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

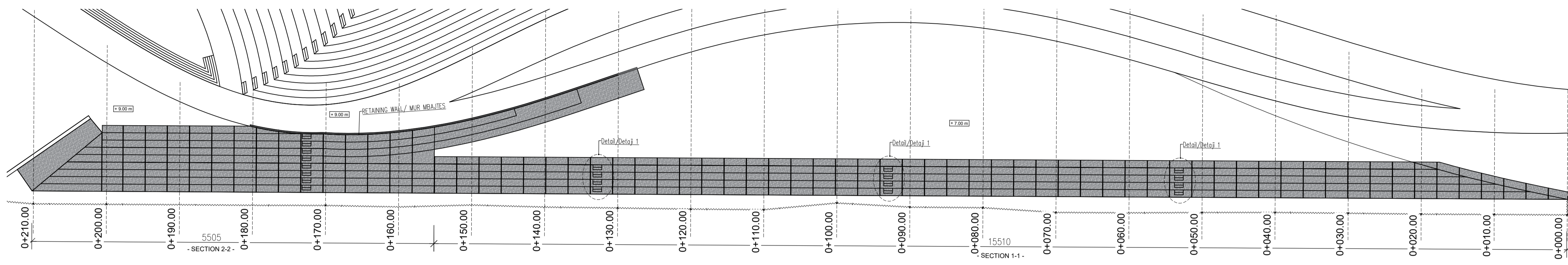


# HARBOR STAIRS BLOCKS LAYOUT

## PLANIMETRIA E BLOQEVE TE SHKALLEVE TE PORTIT

SH=1:350

SC=1:350



<b>BOND CONDITIONS/ KUSHTET E ADERENCËS</b>	<b>STEEL GRADE/ KLASA E ÇELIKUT</b>	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		$d_s > 20 \text{ mm}$ $d_{br} = 7 d_s$
h=250mm- GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

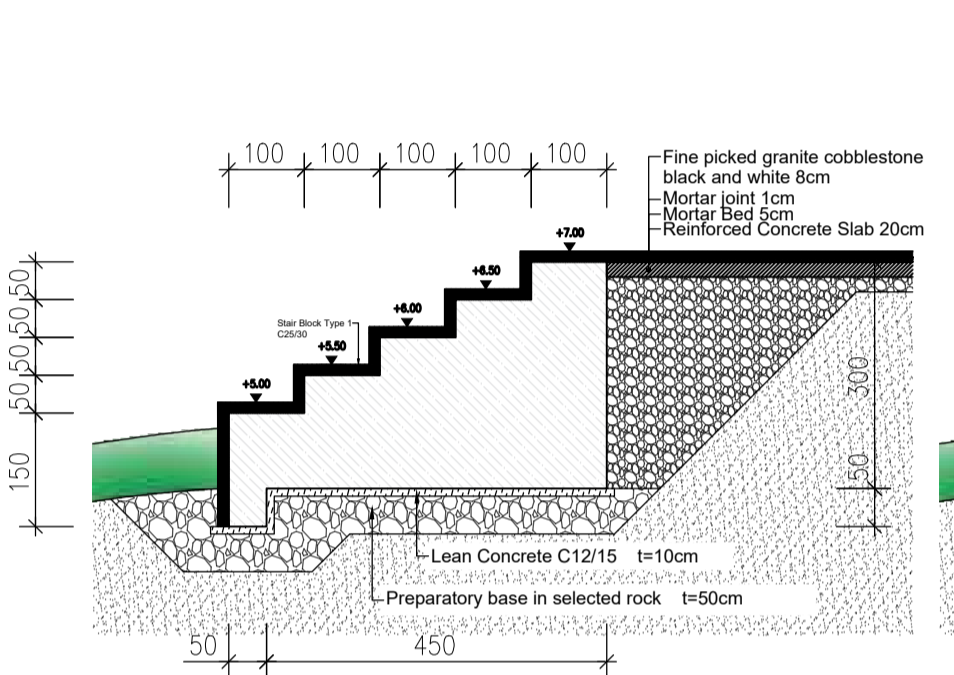
<b>CONCRETE CLASS/KLASA E BETONI</b>	C25/30
<b>EXPOSURE CLASS/KLASA E EKSPOZIMIT</b>	XC4; XD2; XF1; XA1
<b>CONCRETE COVER/SHTRESA MBROJTESE</b>	$c_{min} = 20\text{mm}; c_{nom} = 30\text{mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
<b>BOND CONDITIONS/ADERENCA:</b>	GOOD/E MIRË						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C25/30</b>	483	604	725	967	1208	1510	1933

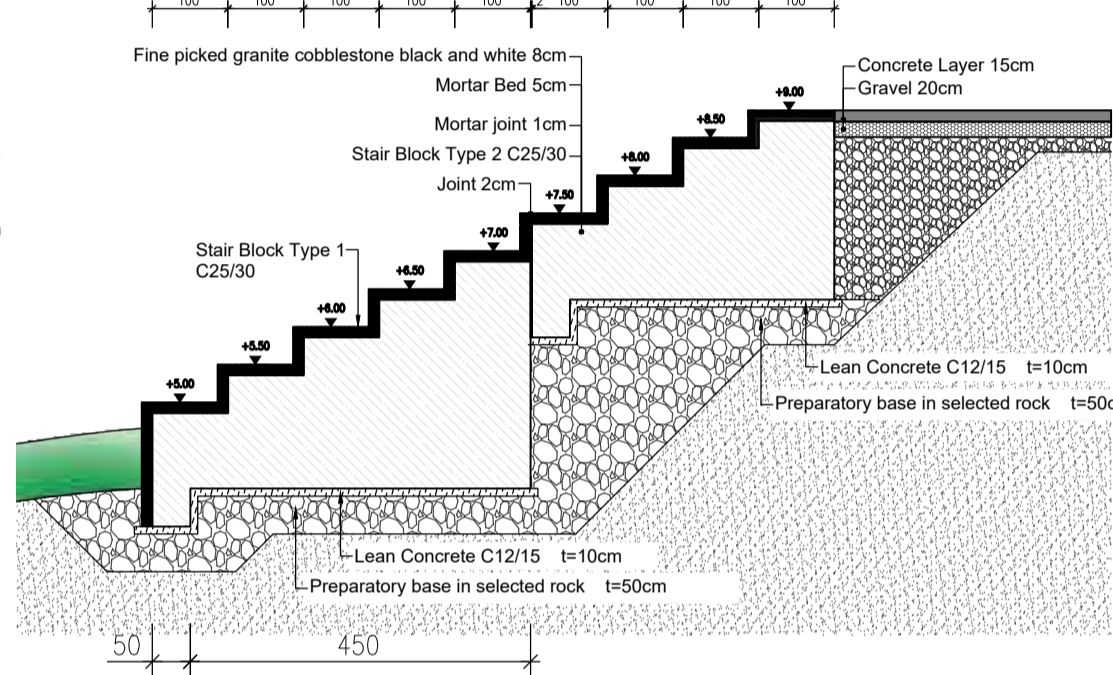
LAP LENGTH/GJATËSIA E XHUNTIMIT							
<b>BOND CONDITIONS/ADERENCA:</b>	POOR/E KEQE						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C25/30</b>	690	863	1036	1381	1726	2158	2762

- NOTES/SHENIME**
- Të gjitha koordinatat janë në UTM WGS84 34N.
  - Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
  - Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
  - Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
  - Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
  - Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
  - Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

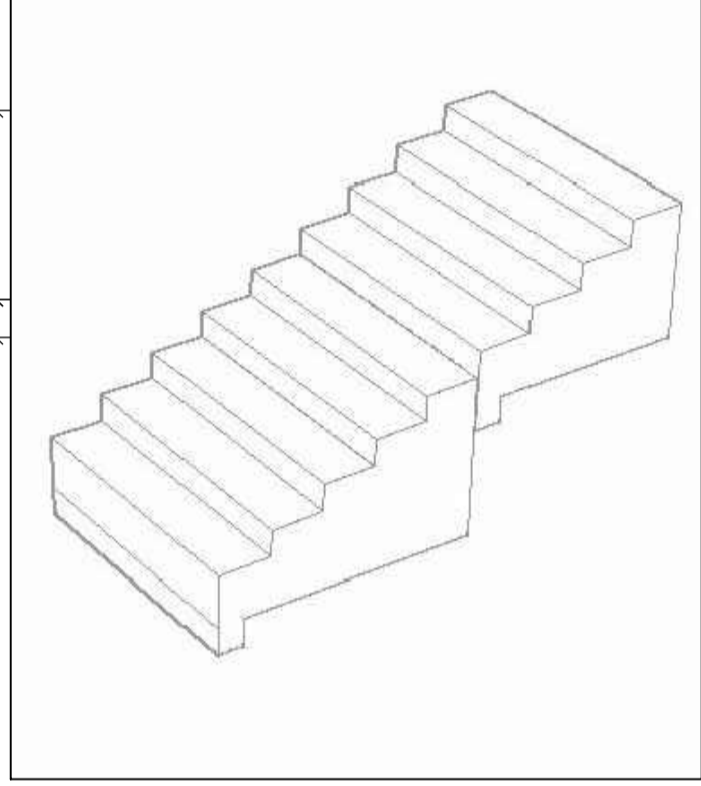
SECTION/SEKSION 1-1 SC=1:100



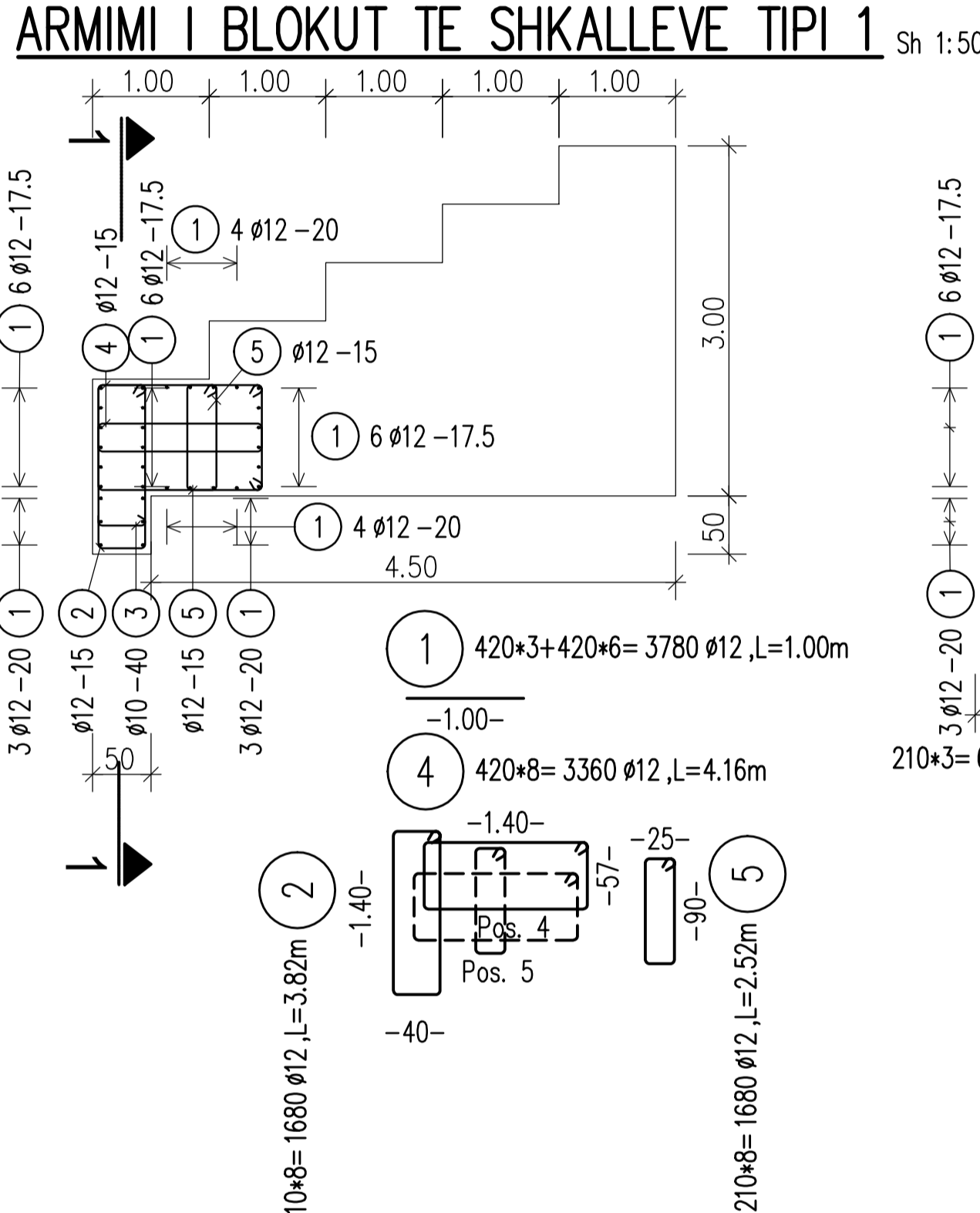
SECTION/SEKSION 2-2 SC=1:100



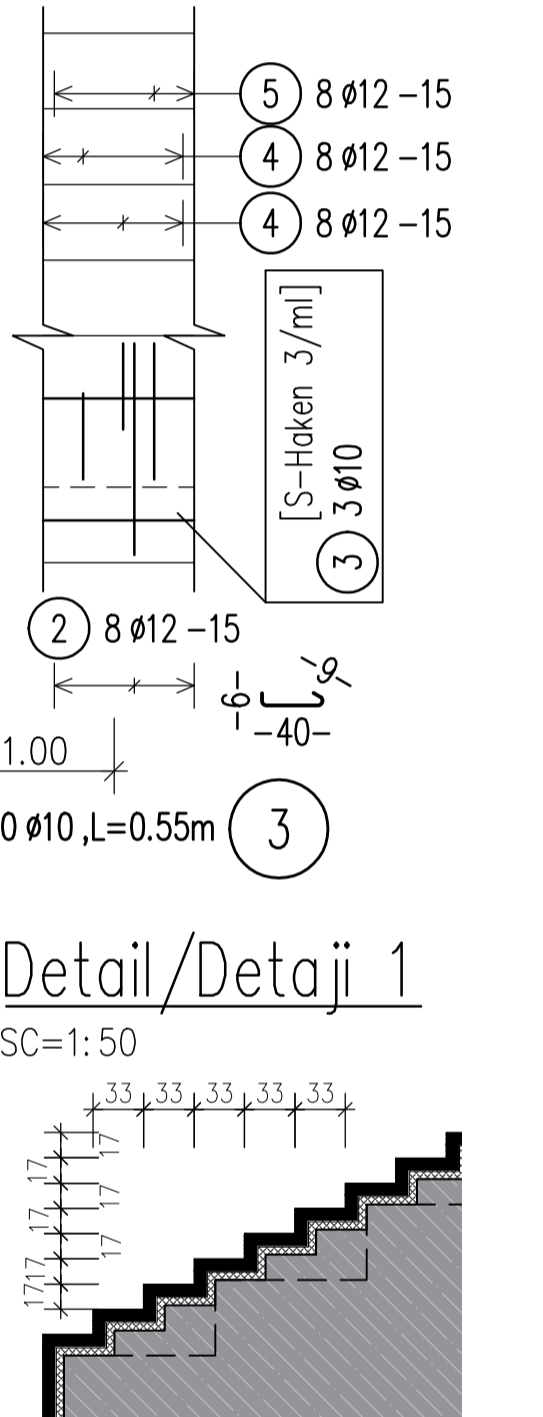
STAIR BLOCK 3D



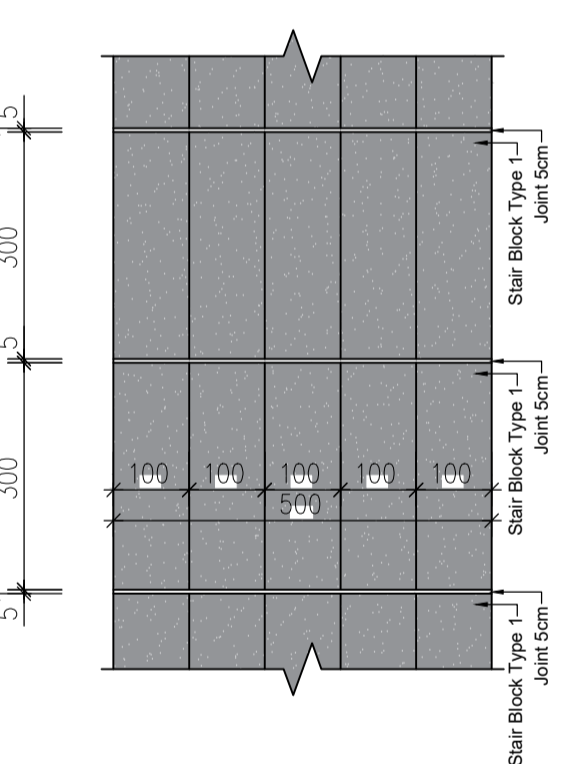
STAIR BLOCK TYPE 1 REINFORCEMENT SC 1:50



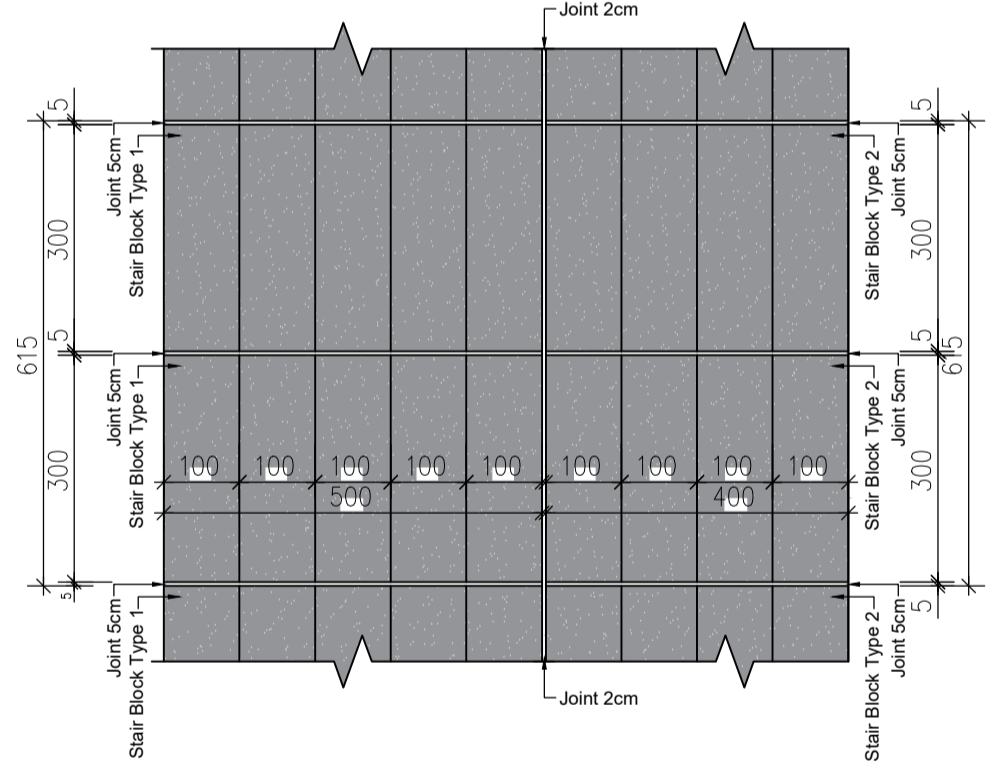
SECTION 1-1 SEKSIONI 1-1 SC 1:50



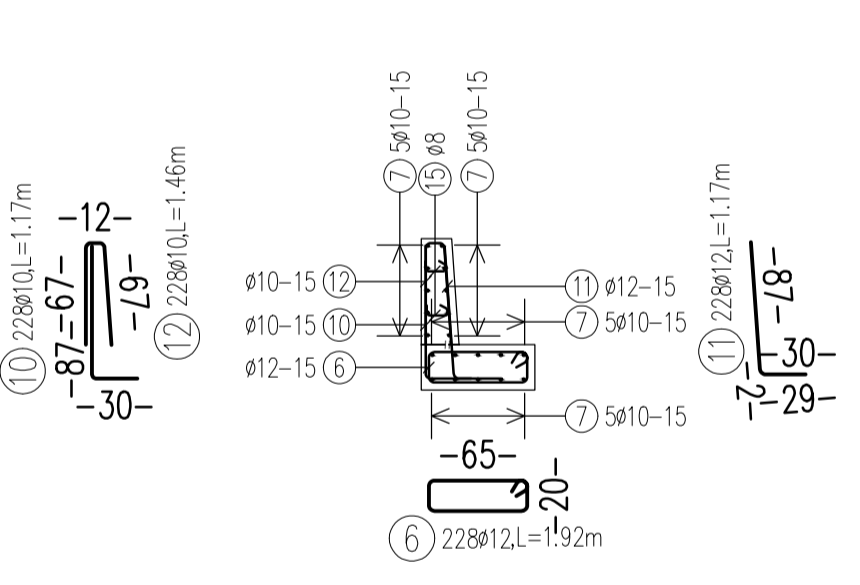
PLANVIEW/PLANI



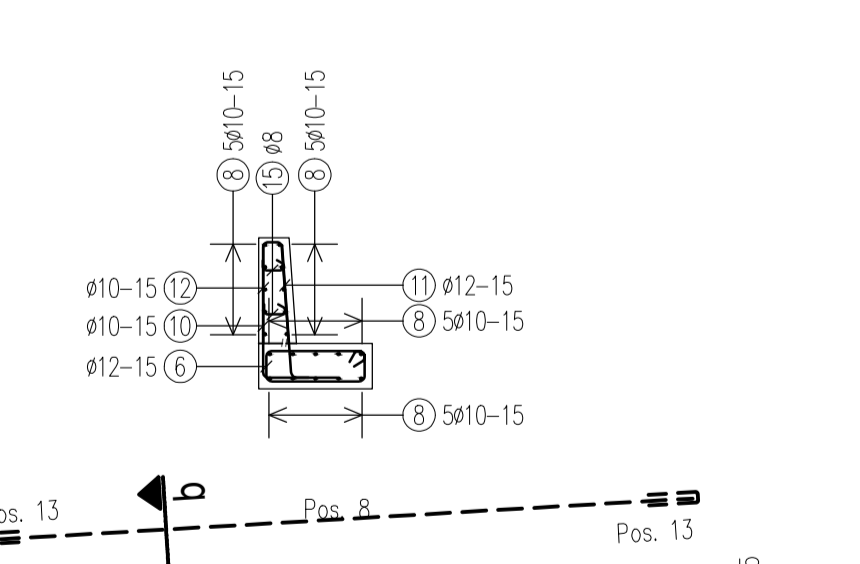
PLANVIEW/PLANI



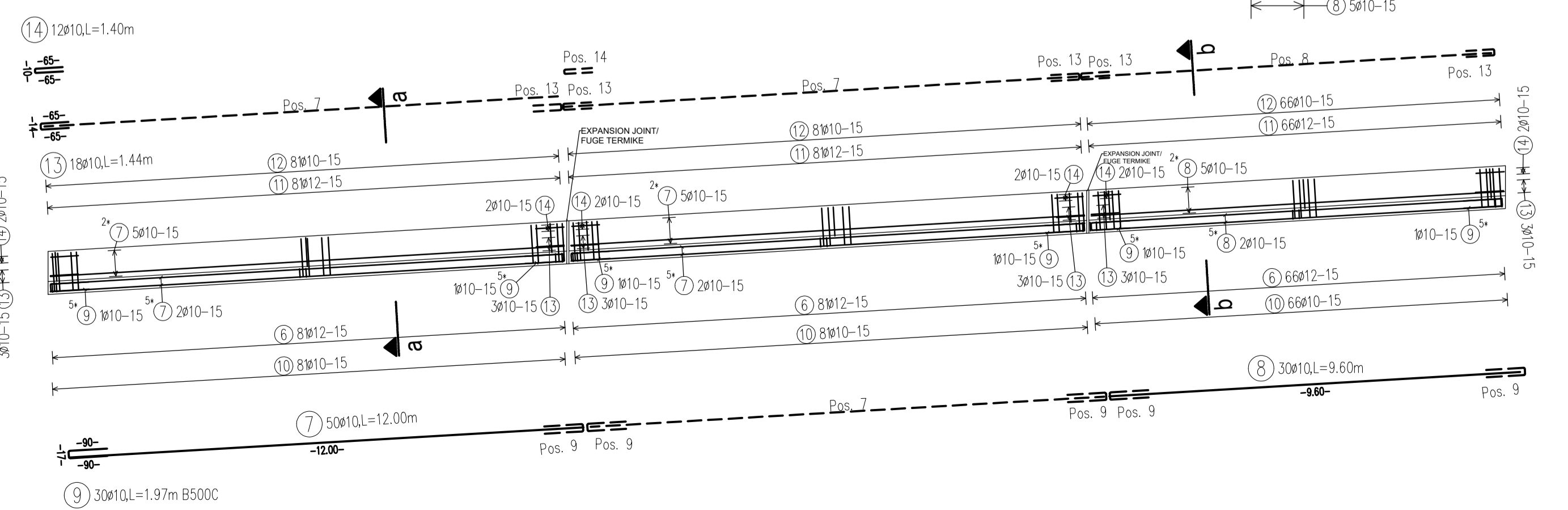
SECTION/SEKSIONI a-a SC 1:50



SECTION/SEKSIONI b-b SC 1:50

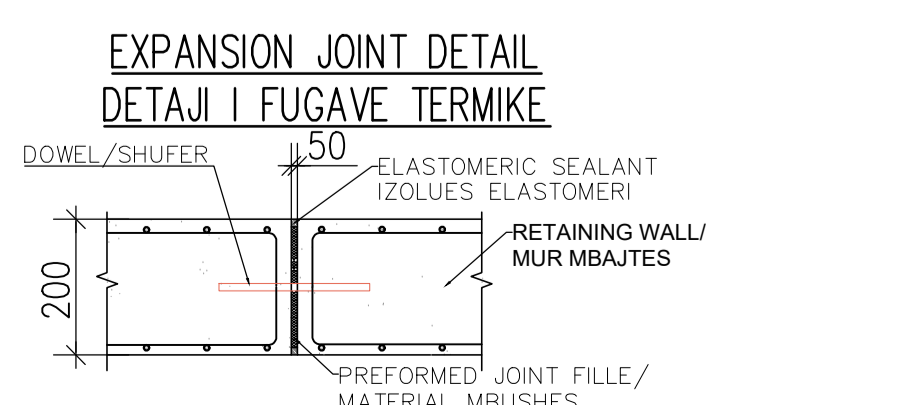


STAIR RETAINING WALL LONGITUDINAL PROFILE MURI MBAJTES I SHKALLES SC 1:100 SH 1:100



BENDING SCHEDULE Steelgrade: B500C						
Component: Stair Retaining Wall						
Pos. No.	Ø	Length	dir	Type	shape code	Weight kg
6	228	12	1.92	4	B1	437.76
7	50	10	12.00	4	A1	600.00
8	30	10	9.60	4	A1	288.00
9	30	10	1.97	4	A3	59.10
10	228	10	1.17	4	A2	266.76
11	228	12	1.17	4	C1	266.76
12	228	10	1.46	4	X1	332.88
13	18	10	1.44	4	A3	25.92
14	12	10	1.40	4	A3	16.80
15	95	8	0.26	4	D1	24.70
Total weight (kg)						1616.067

BENDING SCHEDULE Steelgrade: B500B						
Pos. No.	Ø	Length	dir	Type	shape code	Weight kg
1	3780	12	1.00	4	A1	3780.00
2	1680	12	3.82	4	B1	6417.60
3	630	10	0.55	4	D1	346.50
4	3360	12	4.16	4	B1	13977.60
5	1680	12	2.52	4	B1	4233.60
Total weight (kg)						25440.805



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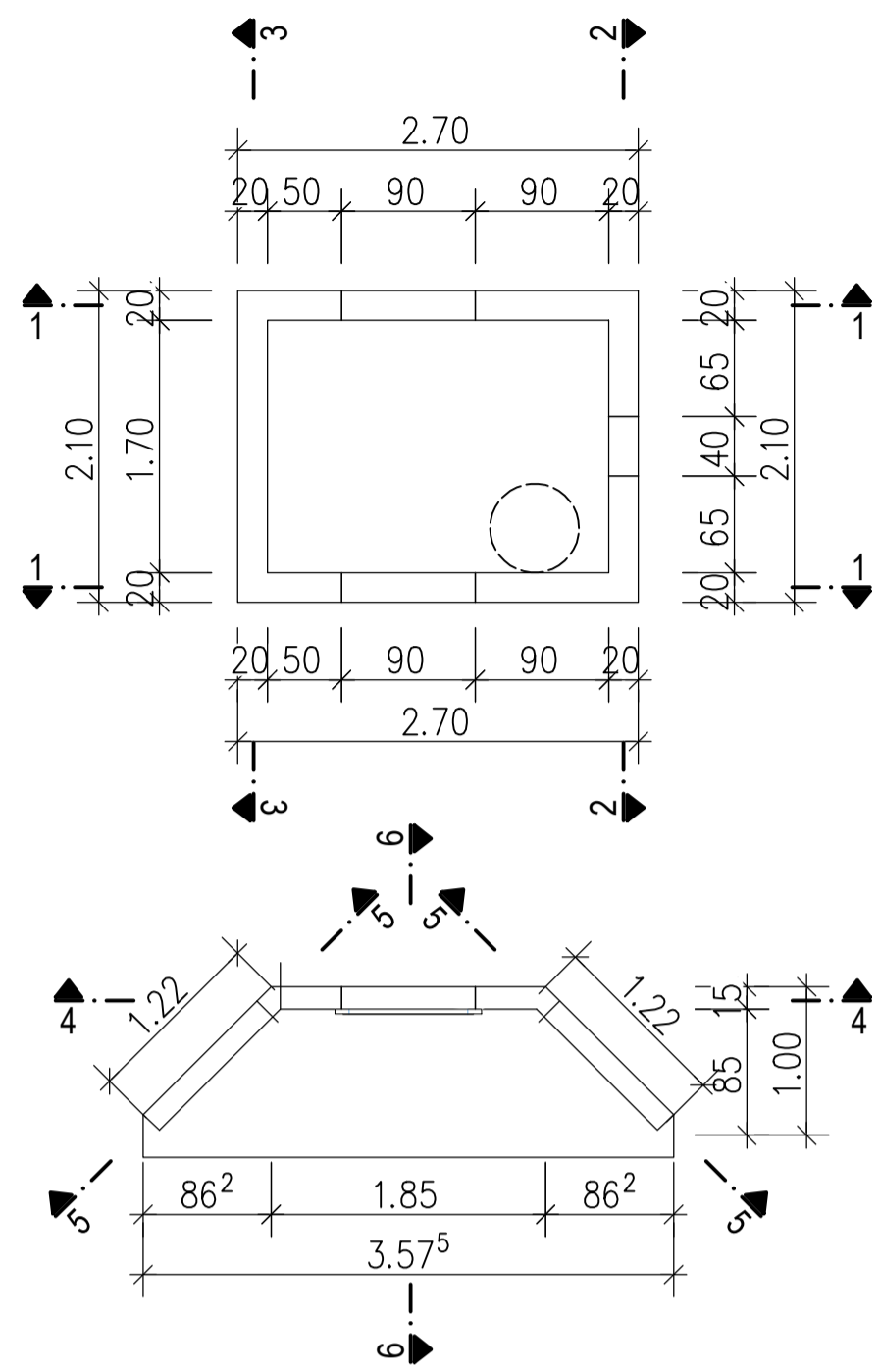
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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DD-ST-S-01		Structural Design Stairs Blocks	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:350/1:100/1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

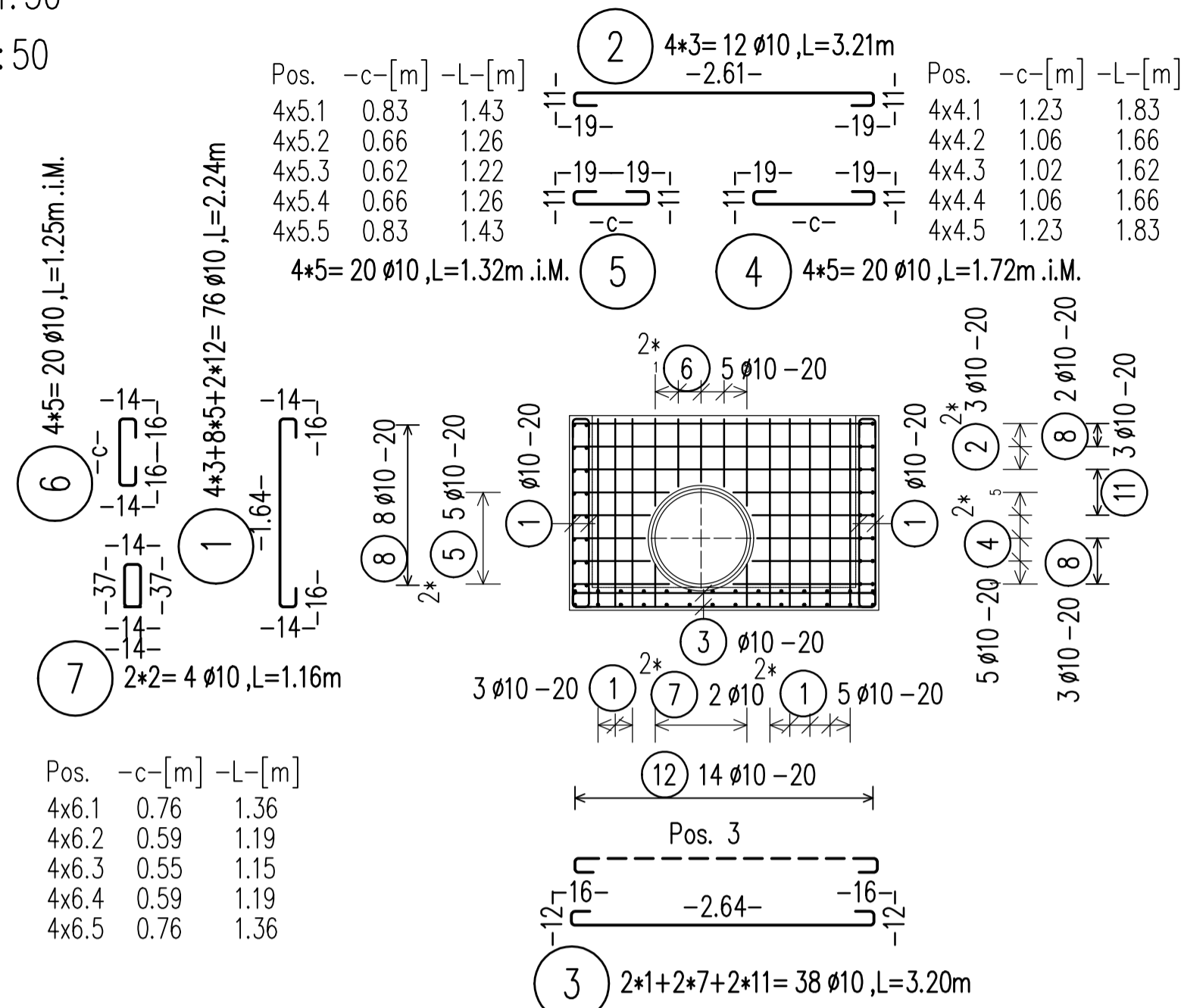
casanova+hernandez architects  
 SRP Schneider & Partner, Ingenieur-Consult GmbH  
 SRP Albanian Engineering sh.p.k.



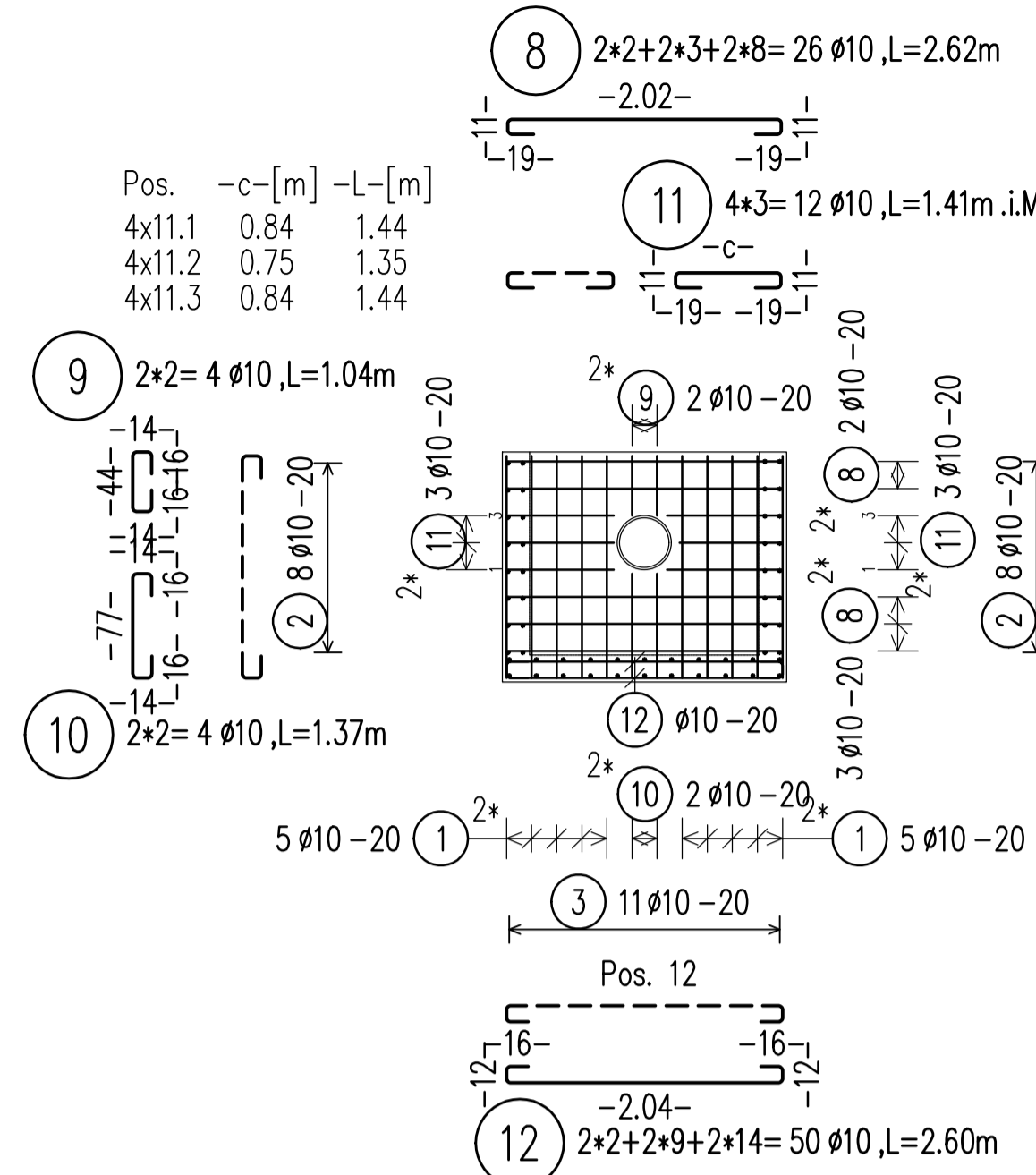
Overflow Chamber Plan Sc 1:50  
Puseta e tejmbushjes Sh 1:50



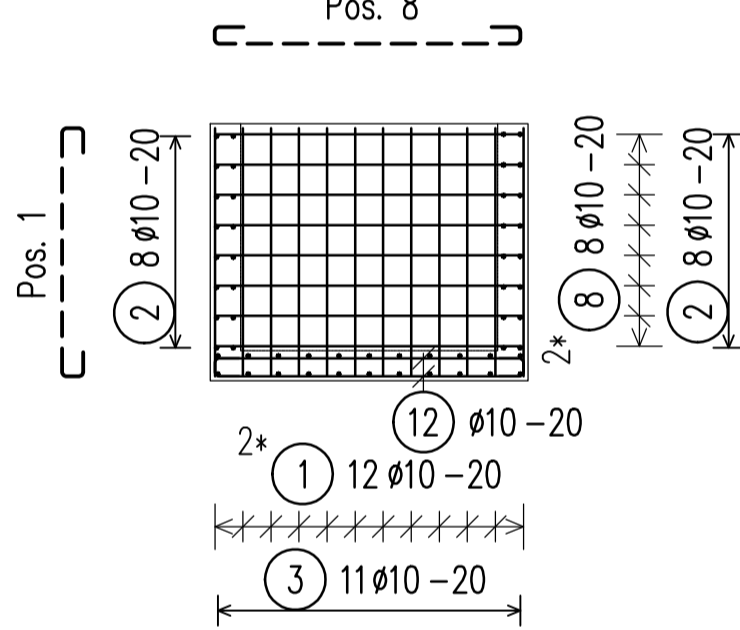
SECTION/PRERJE 1-1 Sc 1:50



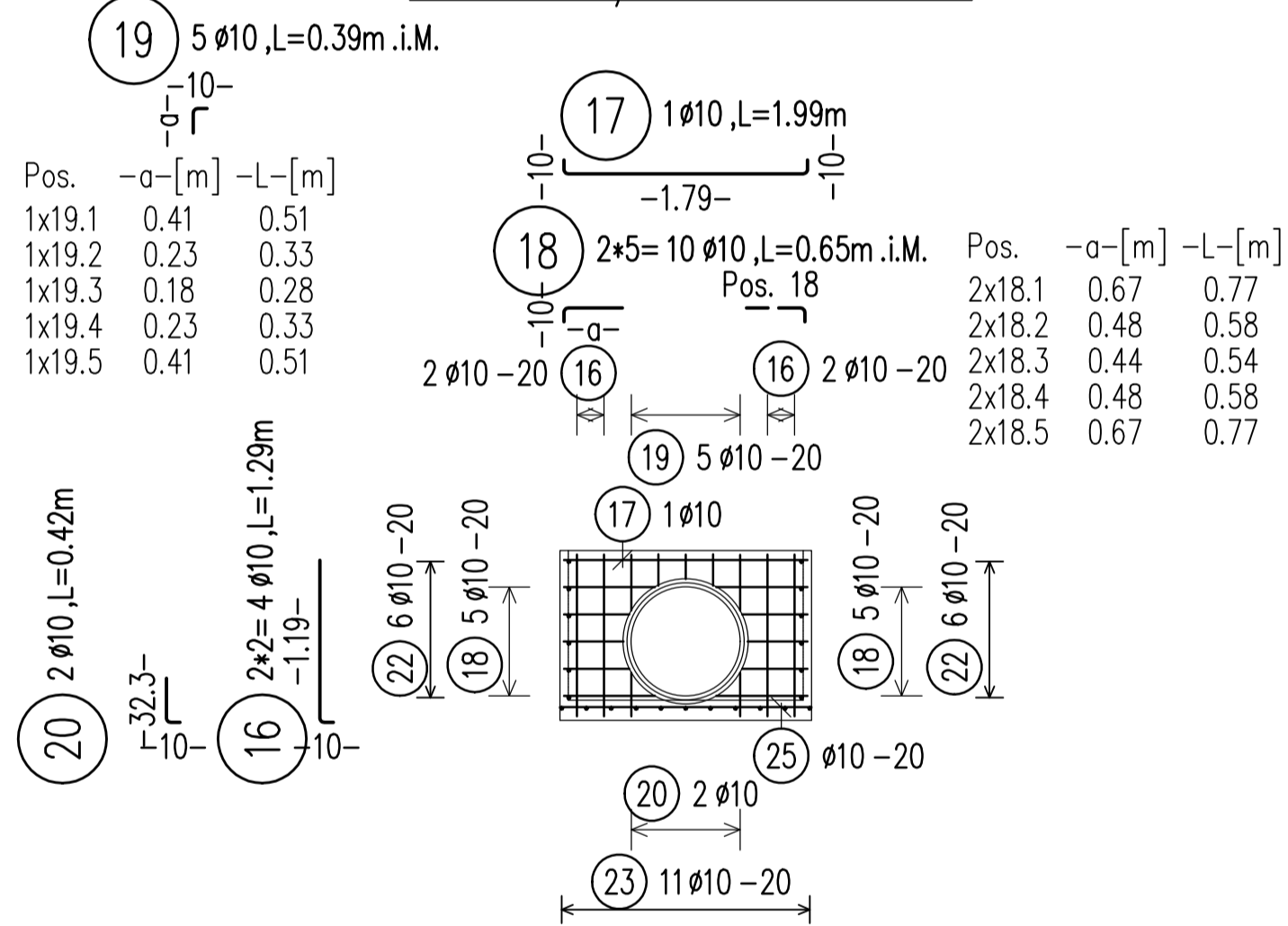
SECTION/PRERJE 2-2 Sc 1:50



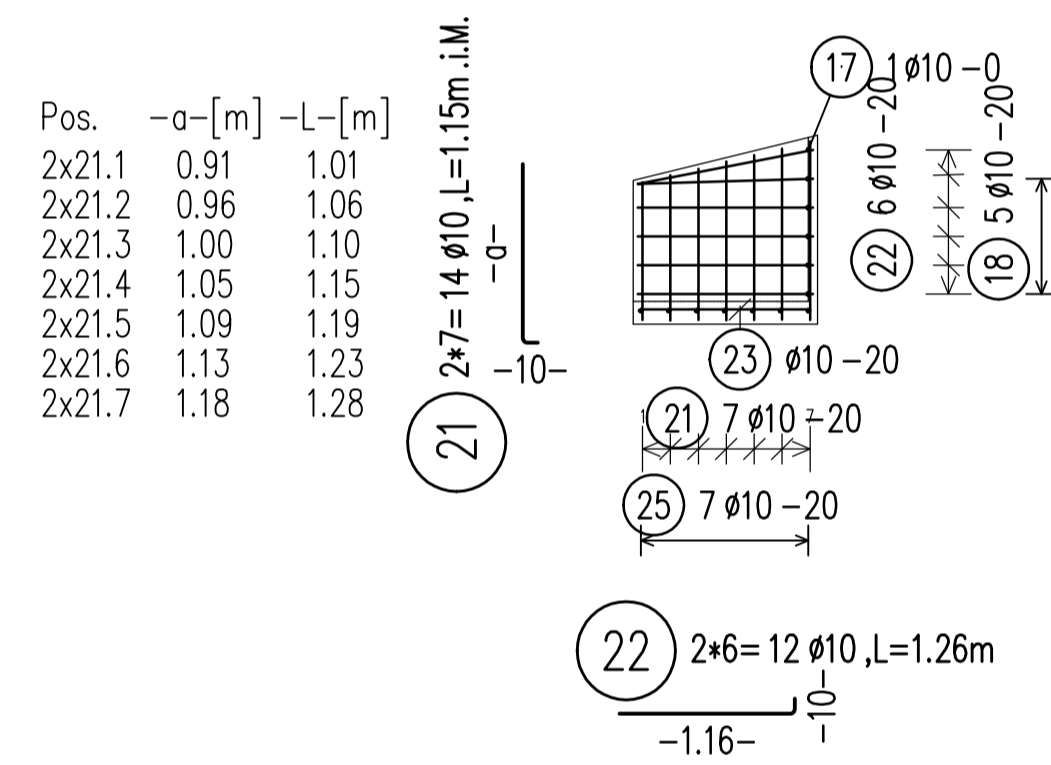
SECTION/PRERJE 3-3 Sc 1:50



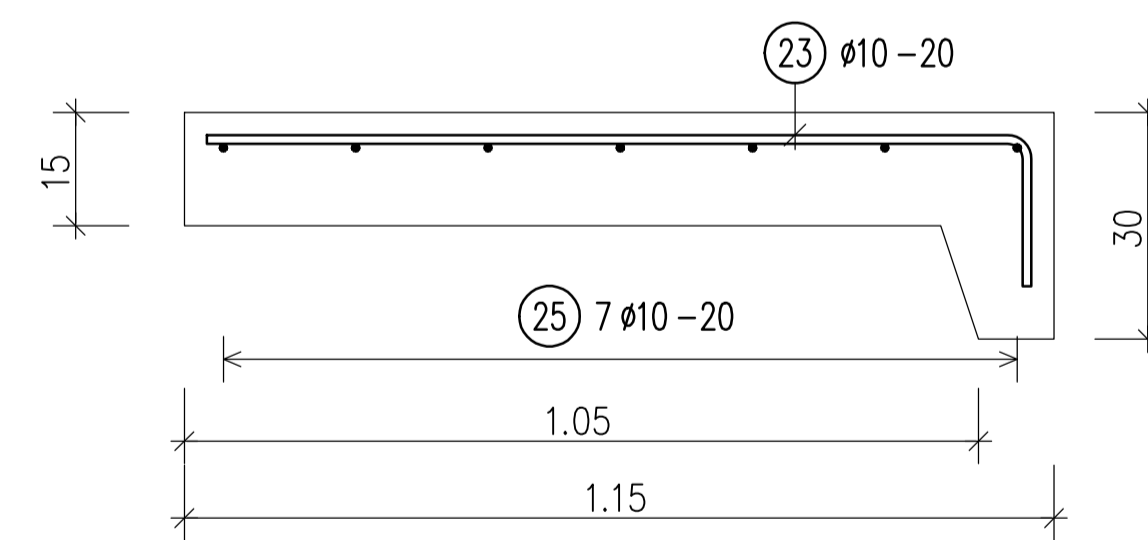
SECTION/PRERJE 4-4 Sc 1:50



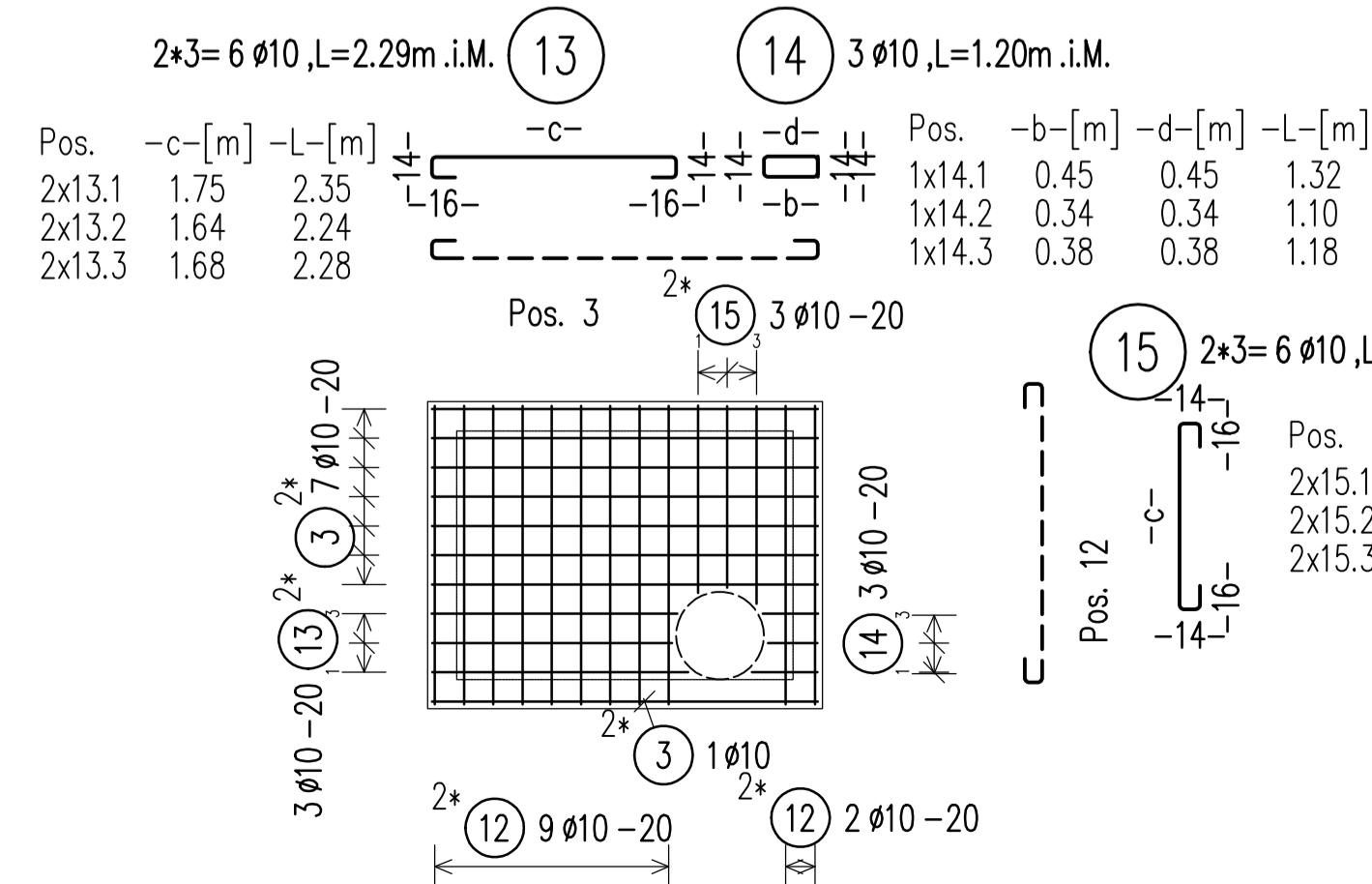
SECTION/PRERJE 5-5 Sc 1:50



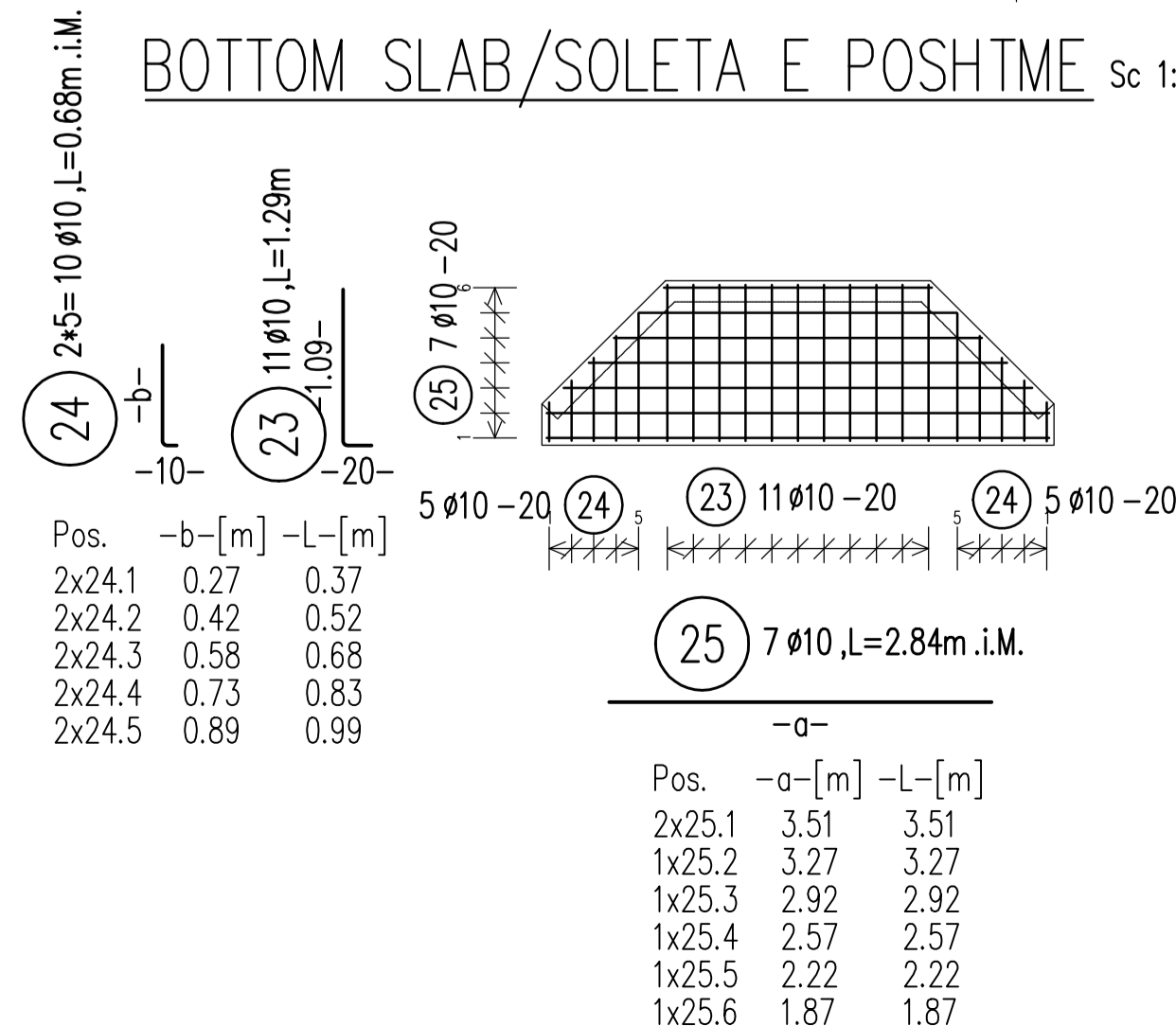
SECTION/PRERJE 6-6 Sc 1:10



SLAB/SOLETA Sc 1:50



BOTTOM SLAB/SOLETA E POSHTME Sc 1:50



BENDING SCHEDULE Steel grade: B500B									
Pos.	No.	Length	Shape	code	Tot. L	Weight			
						kg			
1	76	10	2.24	4 A4	170.24	105.038			
2	12	10	3.21	4 A4	38.52	23.767			
3	38	10	3.20	4 A4	121.60	75.027			
4	20	10	-	4 A4	34.40	21.225			
5	20	10	-	4 A4	26.40	16.289			
6	20	10	-	4 A4	25.00	15.425			
7	4	10	1.16	4 A4	4.64	2.863			
8	26	10	2.62	4 A4	68.12	42.030			
9	4	10	1.04	4 A4	4.16	2.567			
10	4	10	1.37	4 X1	5.48	3.381			
11	12	10	-	4 A4	16.92	10.440			
12	50	10	2.60	4 A4	130.00	80.210			
13	6	10	-	4 A4	13.74	8.478			
14	3	10	-	4 A4	3.60	2.221			
15	6	10	-	4 A4	11.34	6.997			
16	4	10	1.29	4 A2	5.16	3.184			
17	1	10	1.99	4 A3	1.99	1.228			
18	10	10	-	4 A2	6.50	4.010			
19	5	10	-	4 A2	1.95	1.203			
20	2	10	0.42	4 A2	0.84	0.518			
21	14	10	-	4 A2	16.10	9.934			
22	12	10	1.26	4 A2	15.12	9.329			
23	11	10	1.29	4 A2	14.19	8.755			
24	10	10	-	4 A2	6.80	4.196			
25	7	10	-	4 A1	19.88	12.266			

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTETË TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTETË TE KEQJA ADERENCE		$d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
h<250mm- GOOD BOND CONDITION/ KUSHTETË TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT						
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË					
DIAMETER/DIAMETRI	8	10	12	16	20	25
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510

LAP LENGTH/GJATËSIA E XHUNTIMIT						
BOND CONDITIONS/ADERENCA:	POOR/E KEQE					
DIAMETER/DIAMETRI	8	10	12	16	20	25
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158

NOTES/SHENIME

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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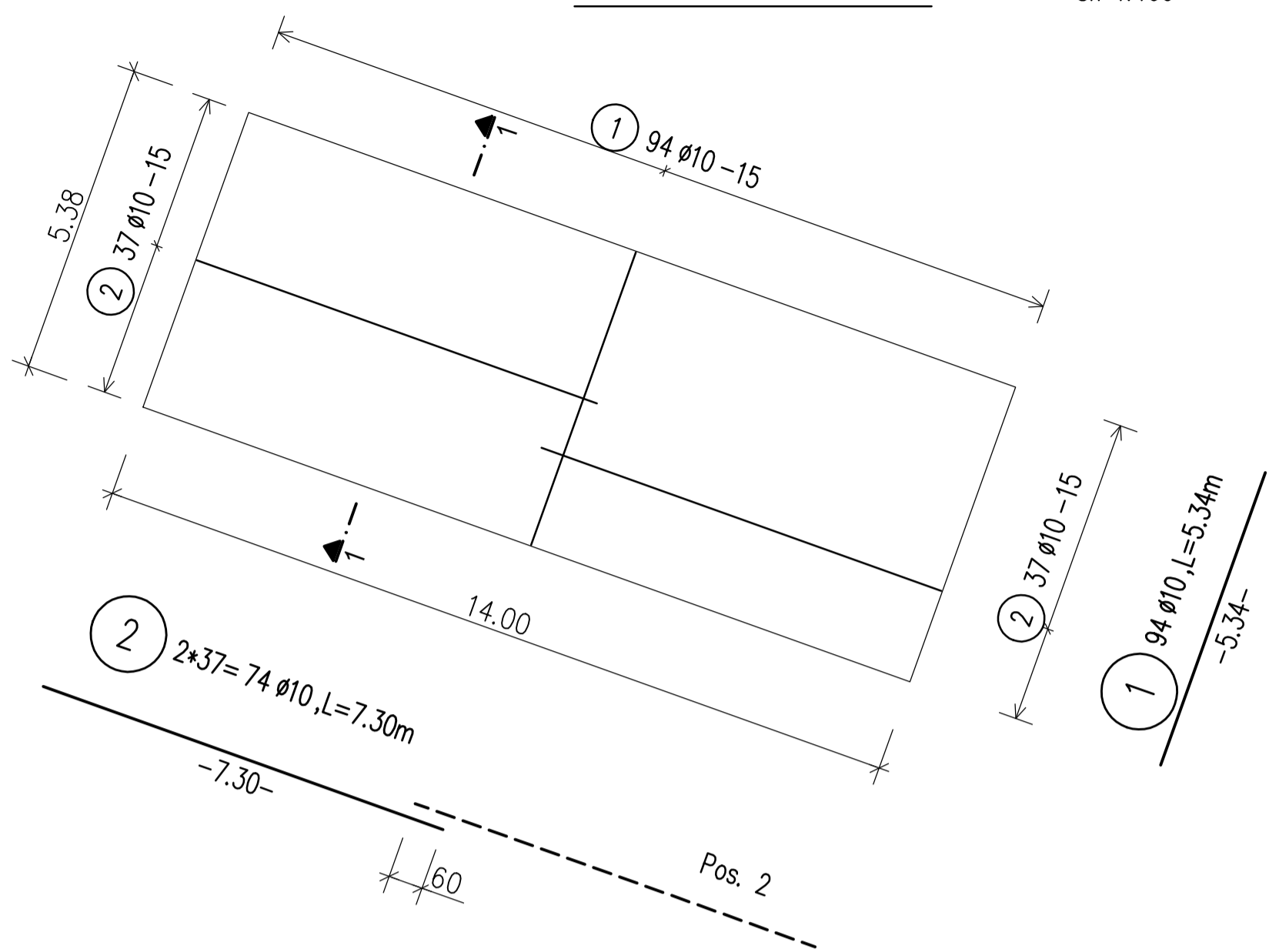
SRP Albanian Engineering s.h.p.k.  
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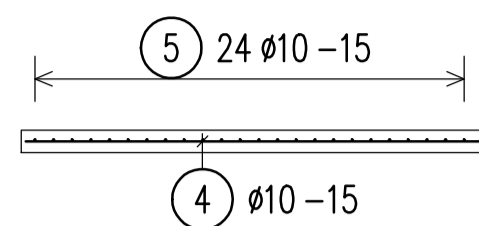
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Drawing number	Description		
Detailed Design	841 x 594 mm	1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



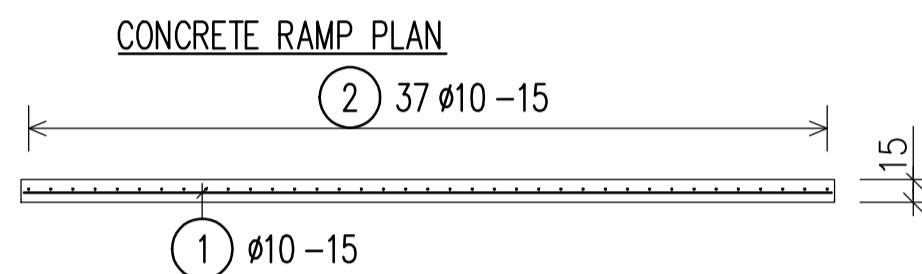
CONCRETE RAMP PLAN Sc 1:100  
 PLANI I RAMPES Sh 1:100



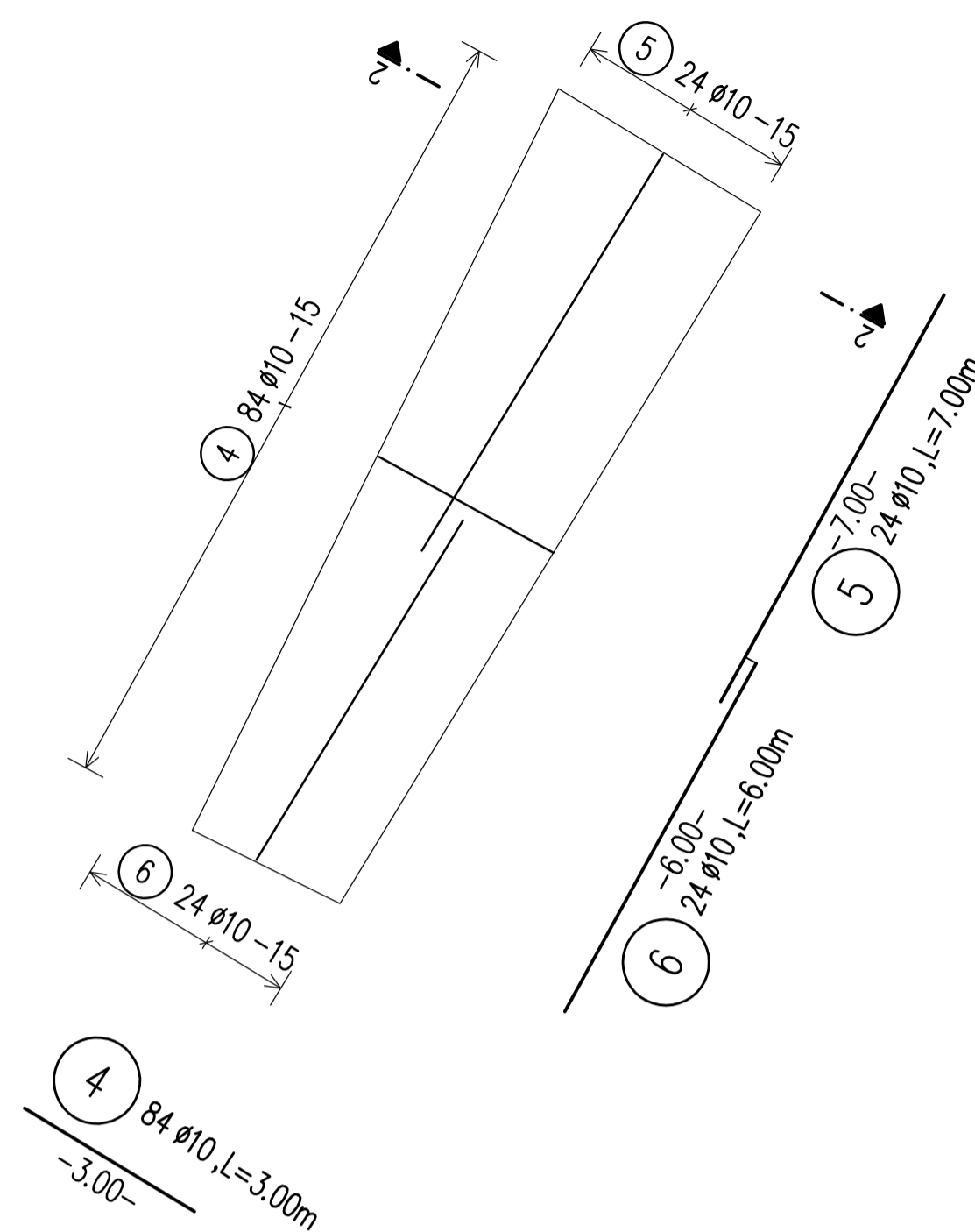
SECTION/PRERJE 2-2 Sc 1:50



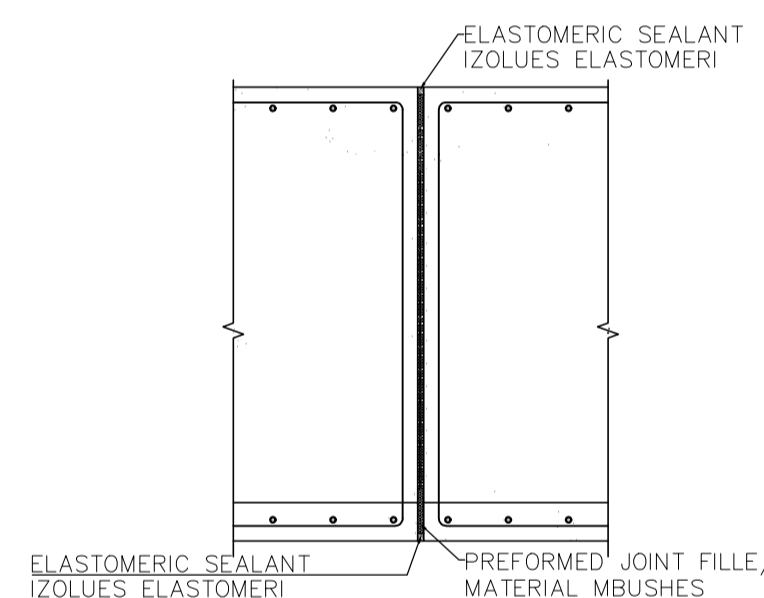
SECTION/PRERJE 1-1 Sc 1:50



CONCRETE RAMP PLAN Sc 1:100  
 PLANI I RAMPES Sh 1:100

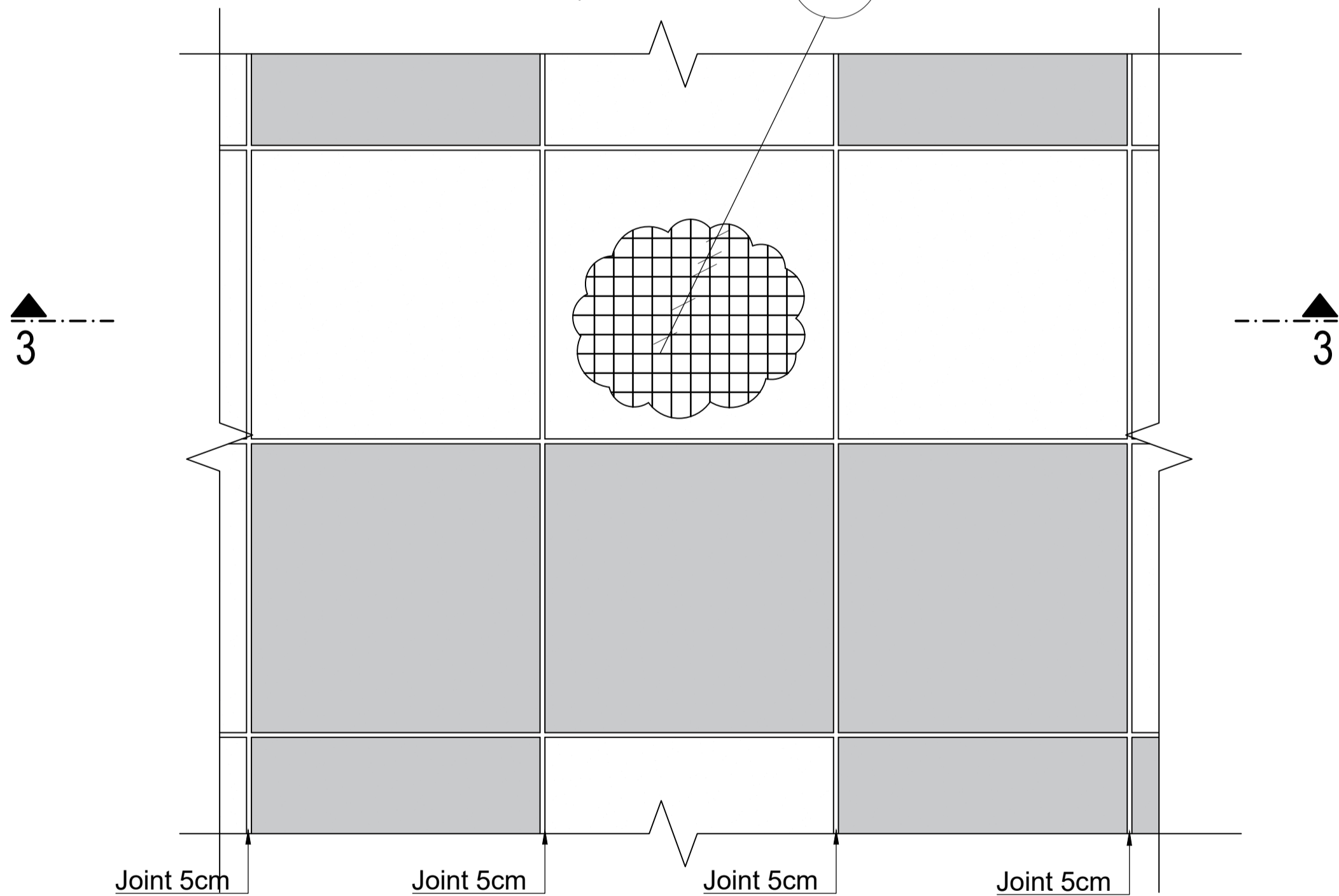


EXPANSION JOINT DETAIL  
 DETAJI I FUGAVE TERMIKE

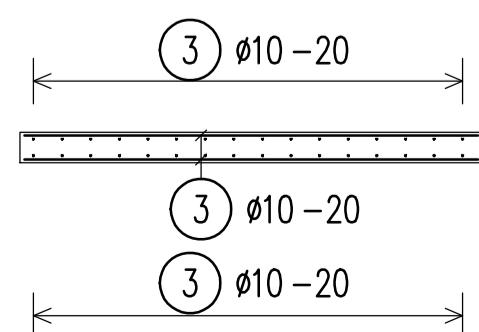


CONCRETE SLAB DETAIL  
 DETAJI I SOLETES BETONARME Sc 1:50  
 Sh 1:50

Double Layer Mesh 3 Ø10-20



SECTION/PRERJE 3-3 Sc 1:50



BAR SCHEDULE Steelgrade: B500B

Pos.	No.	D	Length	Tot.L	Weight(kg)
1	94	10	5.34	501.96	309.709
2	74	10	7.30	540.20	333.303
3	3000	10	12.00	36000.00	22211.999
4	84	10	3.00	252.00	155.484
5	24	10	7.00	168.00	103.656
6	24	10	6.00	144.00	88.848

Total steelqu.

D(mm)	Tot.L	kg/m	Weight(kg)
10	37606.16	0.617	23203.000

Total weight (kg) 23203.000

BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	Ø	Length	dir ds	Type	shape code	Tot.L	Weight kg
1	94	10	5.34		4	5.34	501.96	309.709
2	74	10	7.30		4	7.30	540.20	333.303
3	3000	10	12.00		4	12.00	36000.00	22211.999
4	84	10	3.00		4	3.00	252.00	155.484
5	24	10	7.00		4	7.00	168.00	103.656
6	24	10	6.00		4	6.00	144.00	88.848

Total weight (kg) 23203.000

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$
HATCHED AREA/ZONA E VUEZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		$d_s > 20 \text{ mm}$ $d_{br} = 7 d_s$

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20\text{mm}$ ; $c_{nom} = 30\text{mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

NOTES/SHENIME

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimesioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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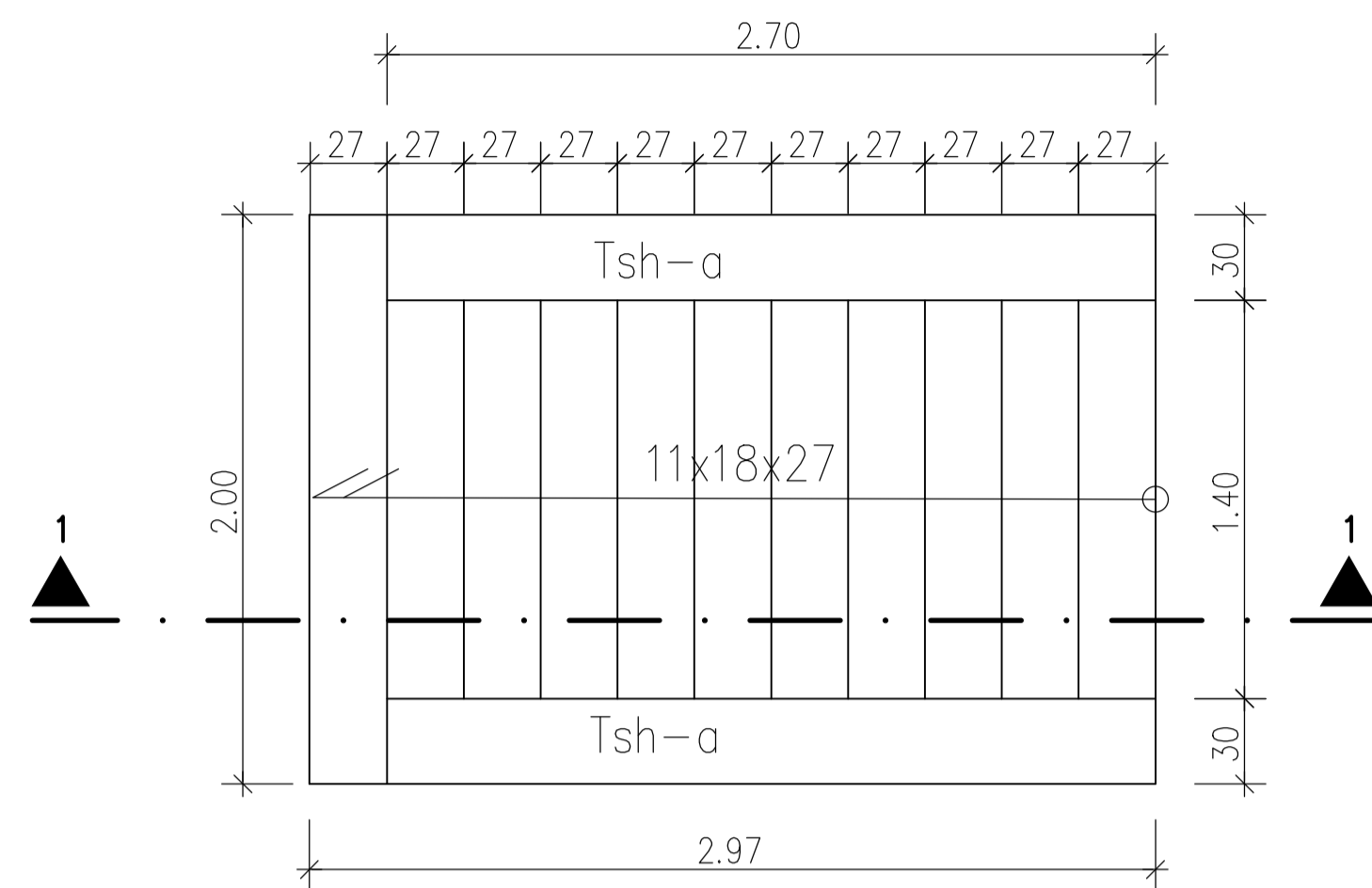
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Drawing number	Description	Scale	Date
Detailed Design	841 x 594 mm	1:100/1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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 SRP Schneider & Partner, Ingenieur-Consult GmbH  
 SRP Albanian Engineering sh.p.k.

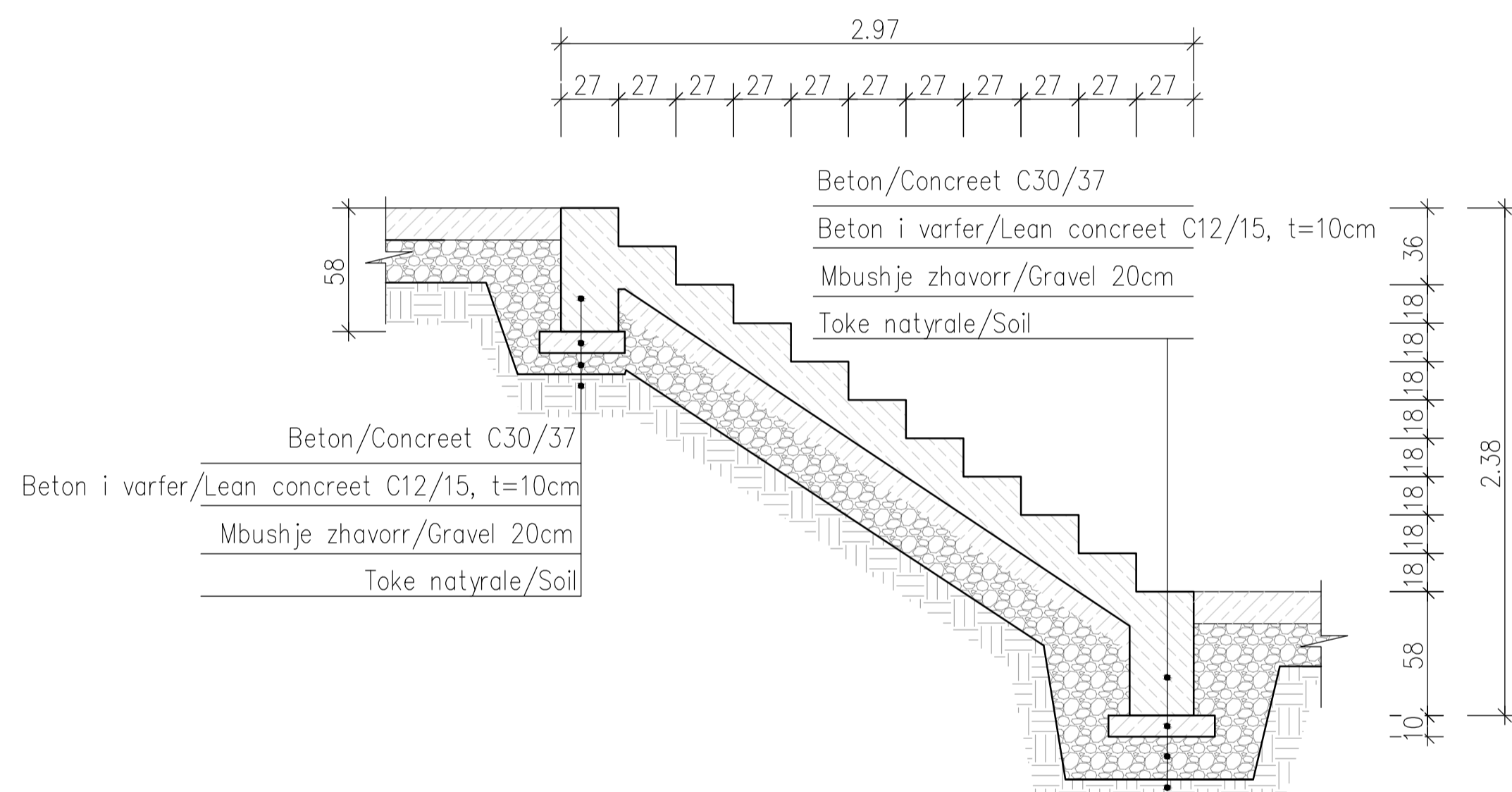
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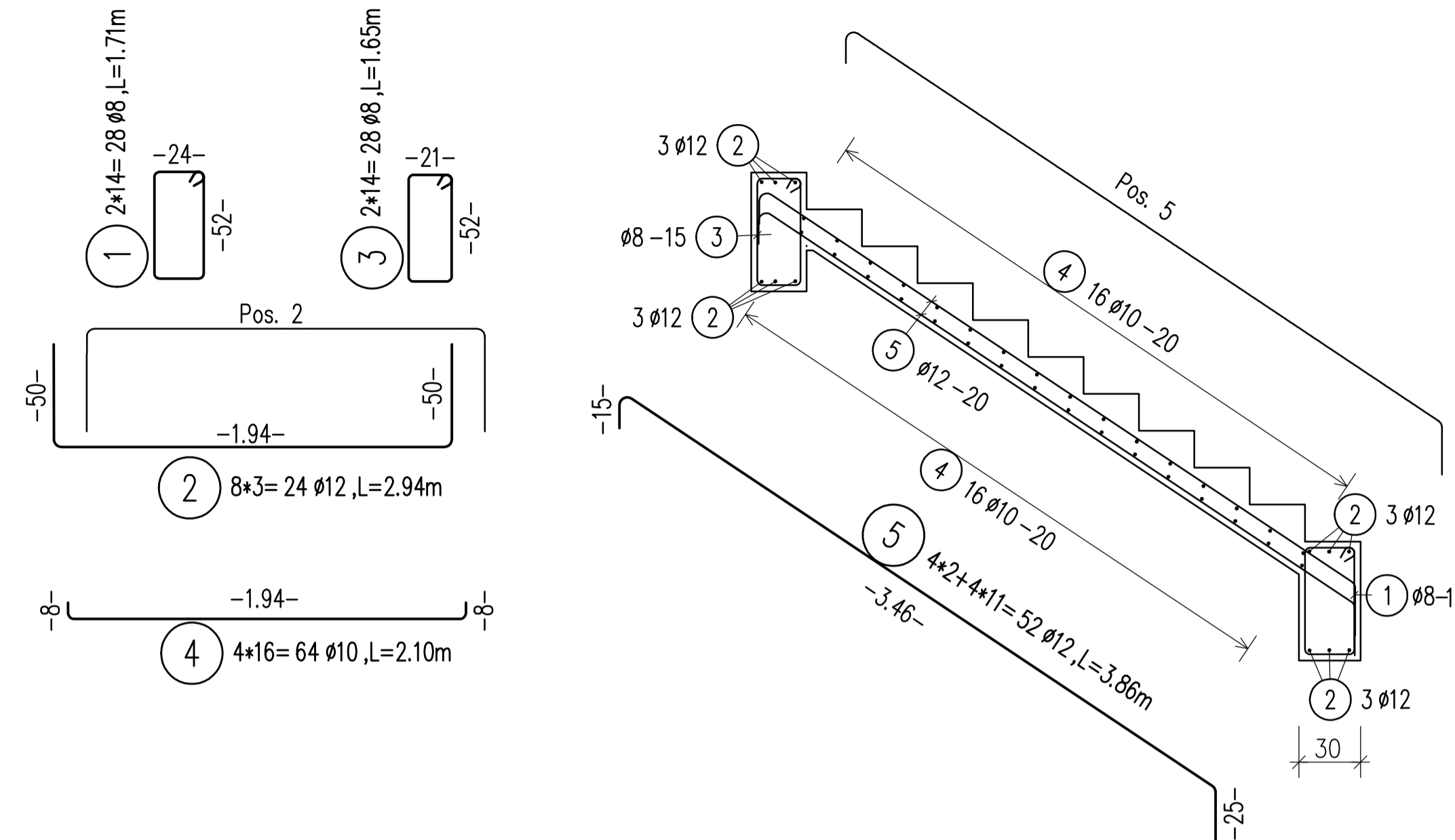
TYPE 1/TIP 1 (2 pcs)/(2 cp)  
Sc 1:25



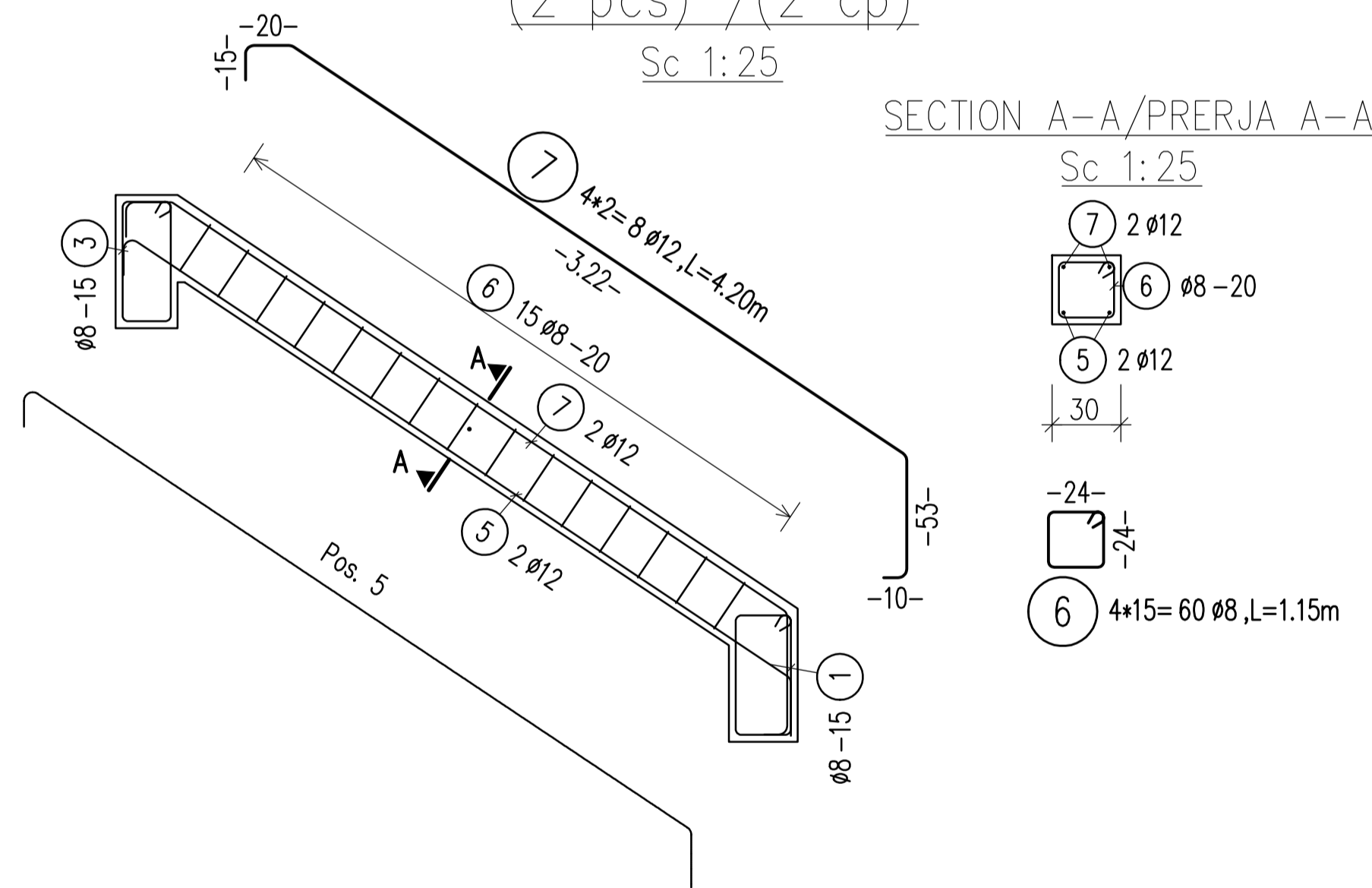
SECTION 1-1/PRERJA 1-1  
Sc 1:25



STAIR REINFORCEMENT/ARMIMI SHKALLES Sc 1:25



BEAM TSH-A/TRAU TSH-A  
(2 pcs) / (2 cp)  
Sc 1:25



BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $> 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h > 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

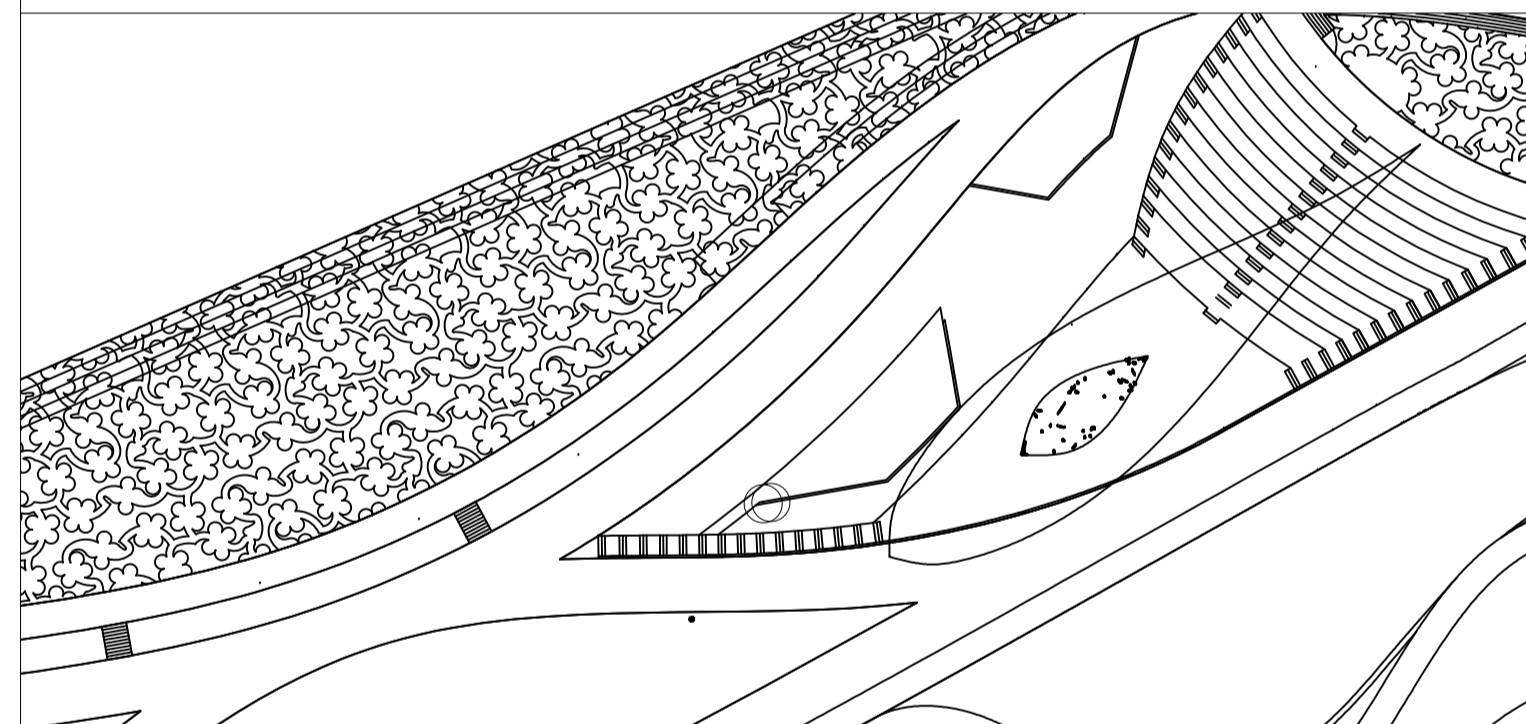
CONCRETE CLASS/KLASA E BETONI	C30/37
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

GENERAL NOTES/SHENIME TE PERGHITHSHME

- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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DD-ST-L09-01		Structural Design-Stairs Reinforcement	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:25	26-10-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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contact@casanova-hernandez.com

Pos.	No.	Ø	Length	dbr	Type	shape code	Tot. L	Weight kg
1	28	8	1.71	4	BI	Hook length=8.4 52	47.88	18.913
2	24	12	2.94	4	XI	24 90° 1.94 90°	70.56	62.657
3	28	8	1.65	4	BI	Hook length=8.4 52	46.20	18.249
4	64	10	2.10	4	A3	∞ 1.94	134.40	82.925
5	52	12	3.86	4	XI	-124° 3.46 -56°	200.72	178.239

Pos.	No.	Ø	Length	dbr	Type	shape code	Tot. L	Weight kg
6	60	8	1.15	4	BI	Hook length=8.4 24	69.00	27.255
7	8	12	4.20	4	XI	-34° 3.22 -56° -90° -90°	33.60	29.837
Total weight (kg)							418.075	

BAR SCHEDULE Steelgrade: B500B

Pos.	No.	D	Length	Tot. L	Weight(kg)
1	28	8	1.71	47.88	18.913
2	24	12	2.94	70.56	62.657
3	28	8	1.65	46.20	18.249
4	64	10	2.10	134.40	82.925
5	52	12	3.86	200.72	178.239
6	60	8	1.15	69.00	27.255
7	8	12	4.20	33.60	29.837

Total steelqu.	D(mm)	Tot. L	kg/m	Weight(kg)
8	163.08	0.395	64.417	
10	134.40	0.617	82.925	
12	304.88	0.888	270.733	
Total weight (kg)				418.075

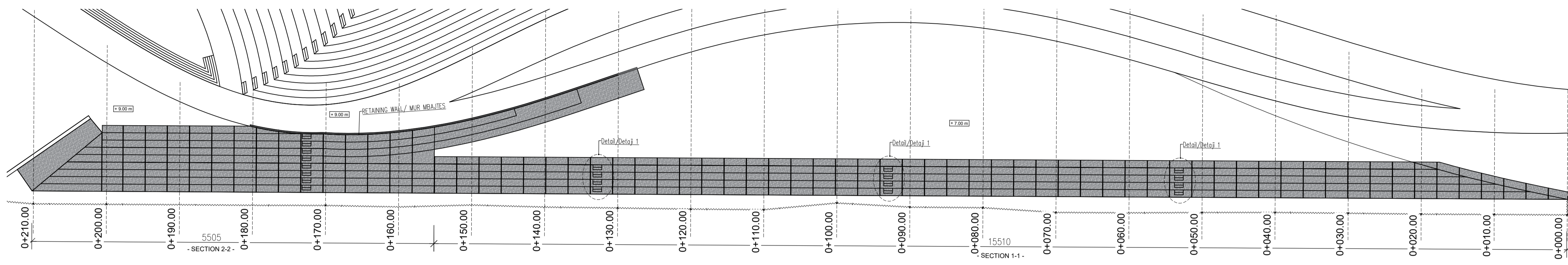


# HARBOR STAIRS BLOCKS LAYOUT

## PLANIMETRIA E BLOQEVE TE SHKALLEVE TE PORTIT

SH=1:350

SC=1:350



BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $> 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

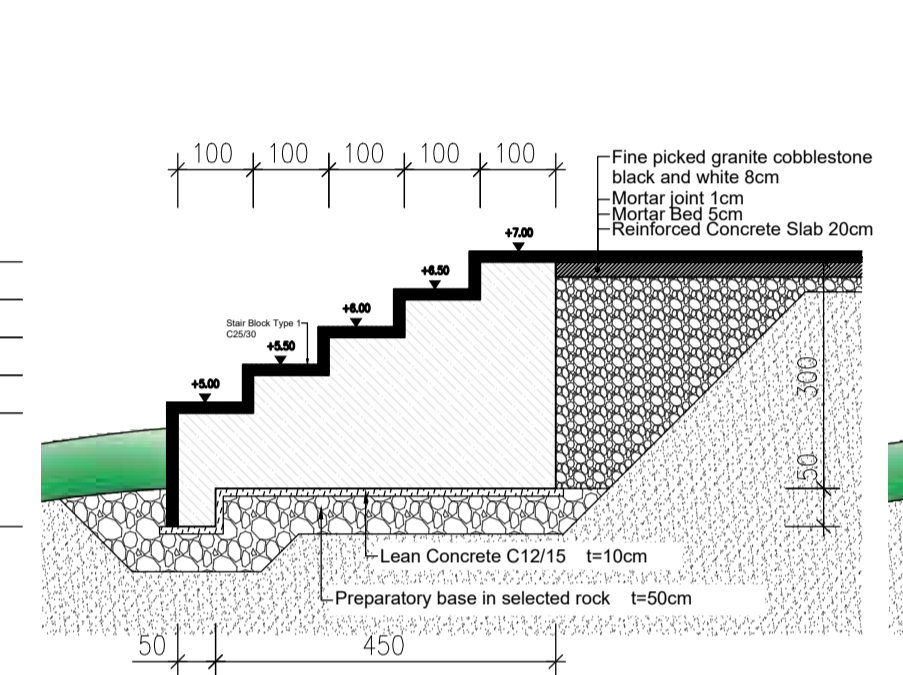
LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

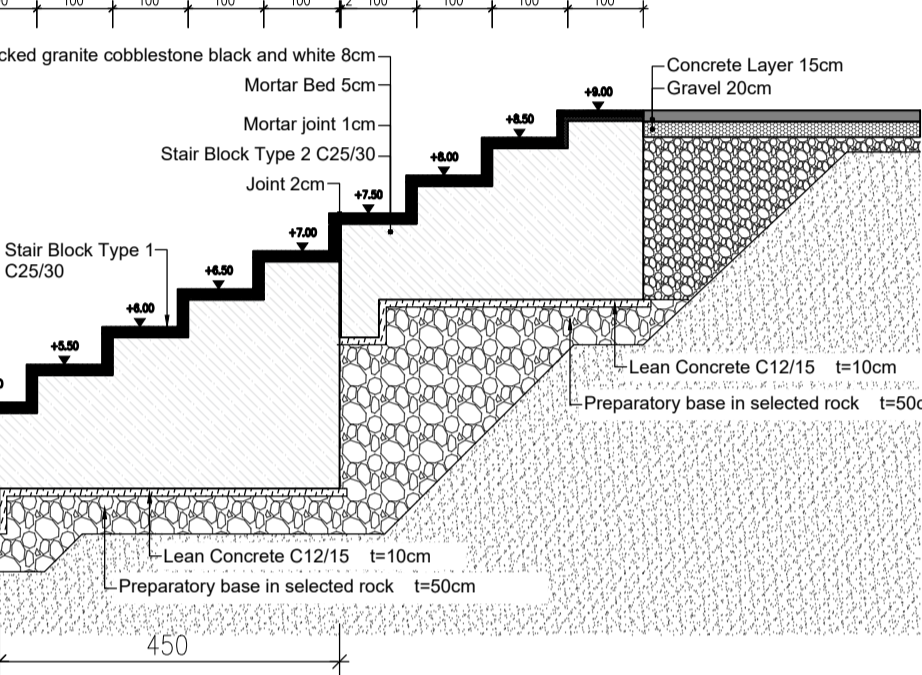
### NOTES/SHENIME

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

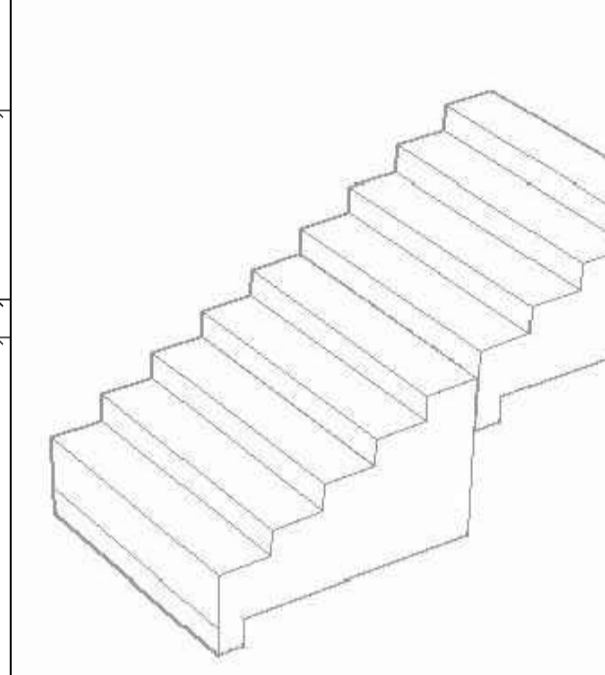
SECTION/SEKSION 1-1 SC=1:100



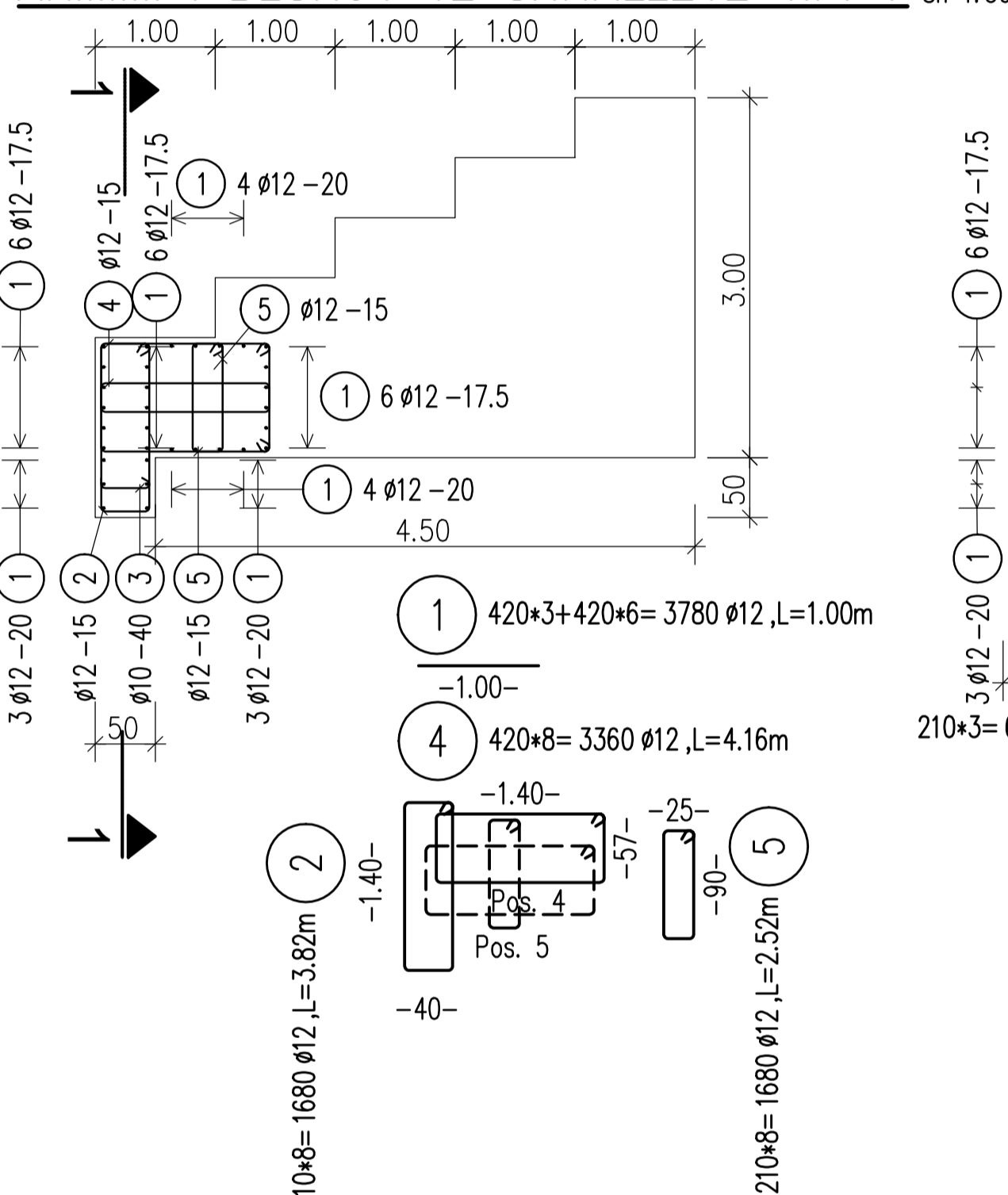
SECTION/SEKSION 2-2 SC=1:100



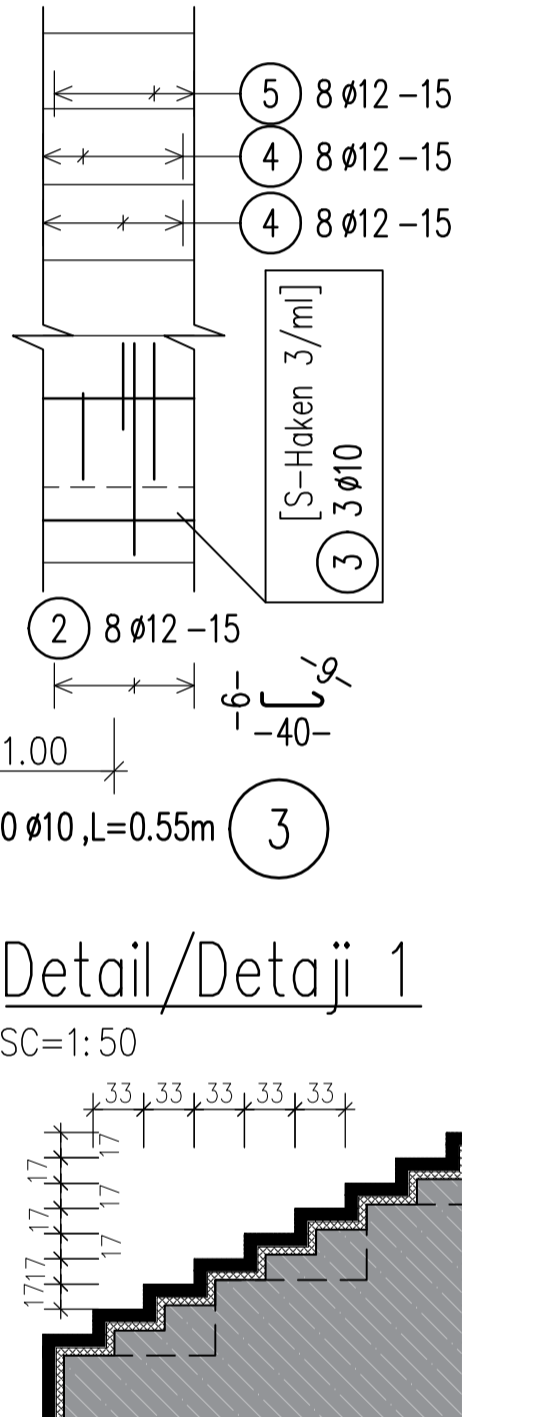
STAIR BLOCK 3D



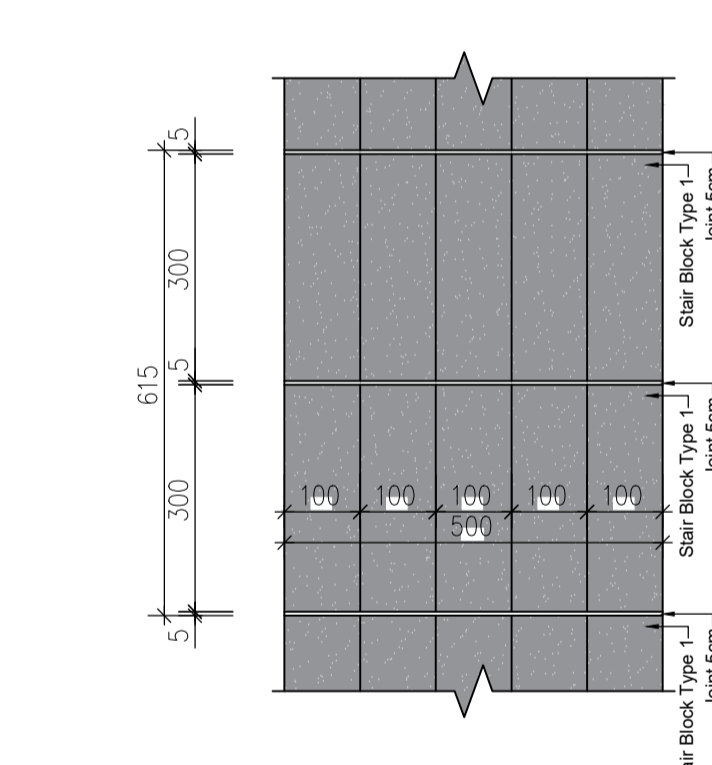
STAIR BLOCK TYPE 1 REINFORCEMENT SC 1:50



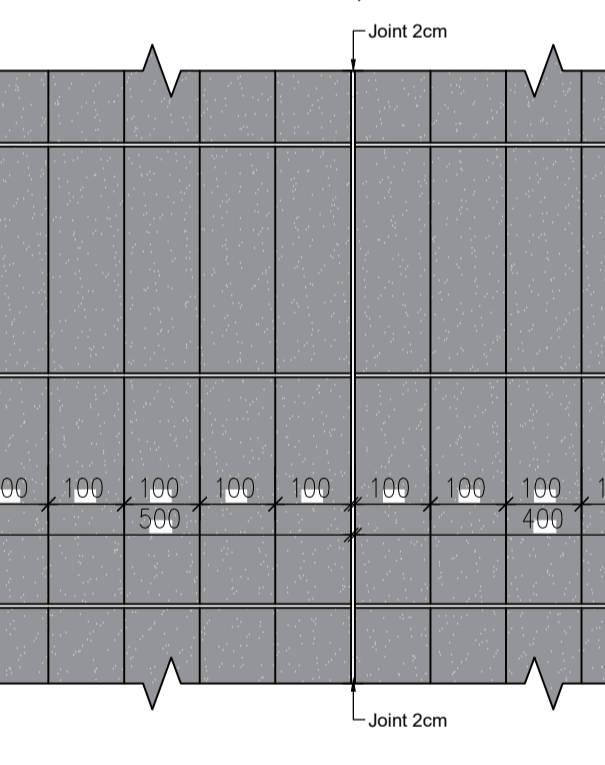
SECTION 1-1 SC 1:50



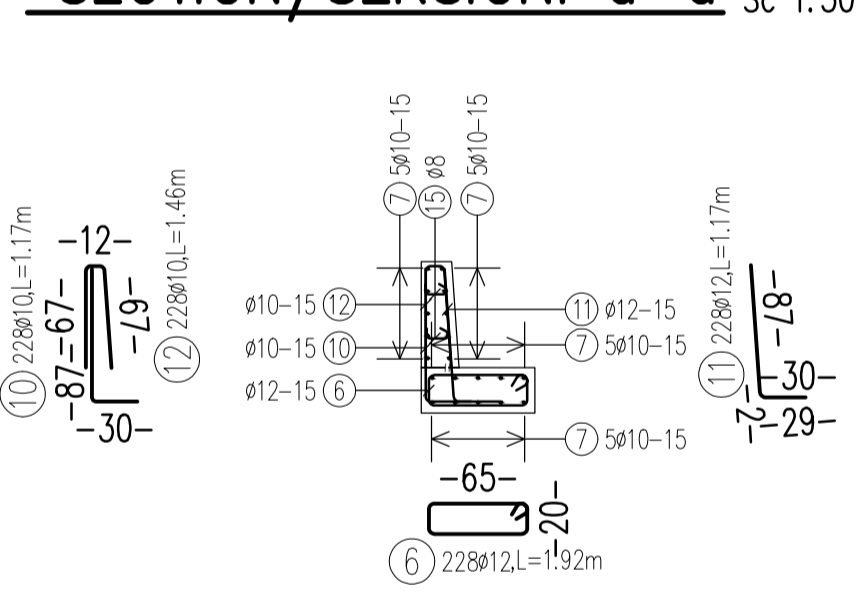
PLANVIEW/PLANI



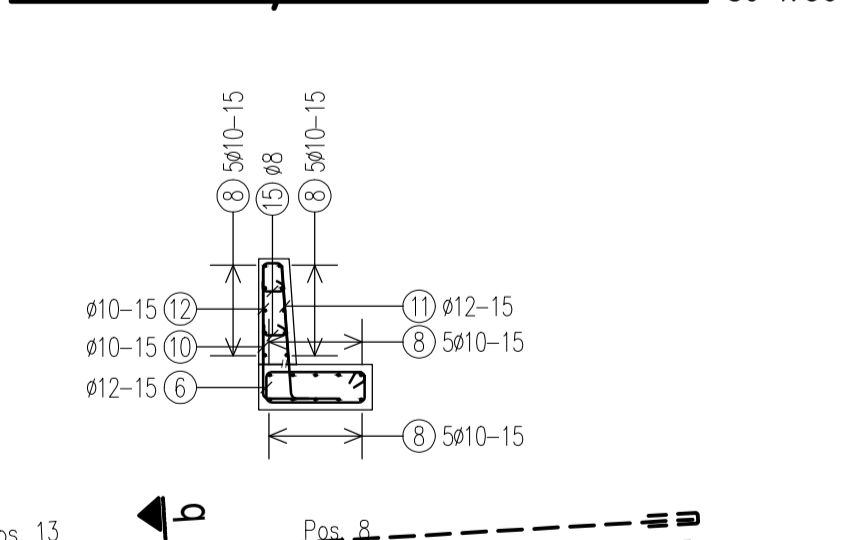
PLANVIEW/PLANI



SECTION/SEKSIONI a-a SC 1:50

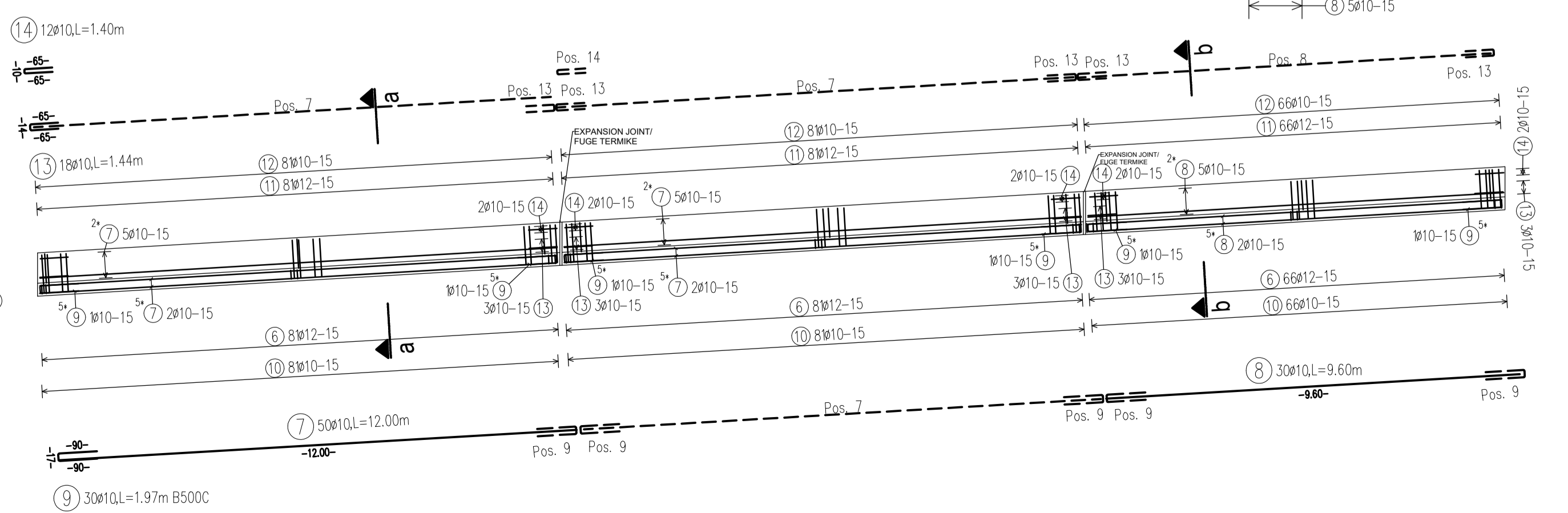


SECTION/SEKSIONI b-b SC 1:50



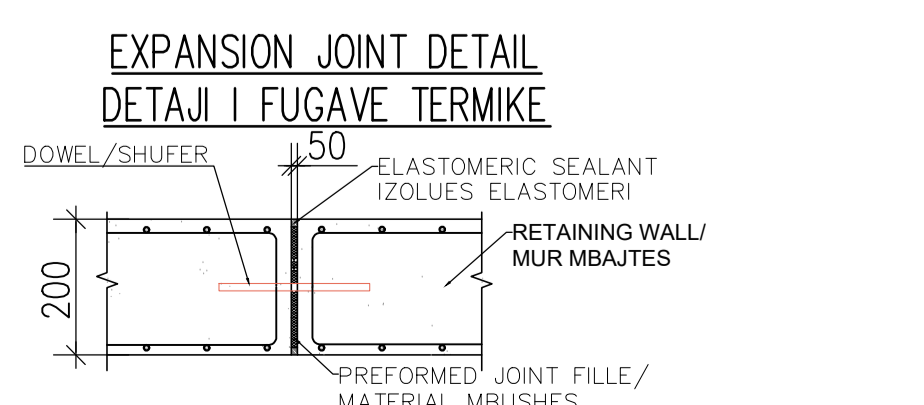
STAIR RETAINING WALL LONGITUDINAL PROFILE SC 1:100

MURI MBAJTES I SHKALLES



BENDING SCHEDULE Steelgrade: B500C									
Component: Stair Retaining Wall									
Pos. No.	Ø	Length	dir	Type	shape code	Tot.L	Weight		
6	228	12	1.92	4	B1	Hook length=11.0	437.76	388.731	
7	50	10	12.00	4	A1	12.00	600.00	370.200	
8	30	10	9.60	4	A1	9.60	288.00	177.696	
9	30	10	1.97	4	A3	90	59.10	36.465	
10	228	10	1.17	4	A2	87	266.76	164.591	
11	228	12	1.17	4	C1	87	266.76	236.883	
12	228	10	1.46	4	X1	86*2	332.88	205.387	
13	18	10	1.44	4	A3	65	25.92	15.993	
14	12	10	1.40	4	A3	65	16.80	10.366	
15	95	8	0.26	4	D1	14	24.70	9.757	
							Total weight (kg)	1616.067	

BENDING SCHEDULE Steelgrade: B500B									
Pos. No.	Ø	Length	dir	Type	shape code	Tot.L	Weight		
1	3780	12	1.00	4	A1	1.00	3780.00	3356.640	
2	1680	12	3.82	4	B1	Hook length=11.0	6417.60	5698.829	
3	630	10	0.55	4	D1	40	346.50	213.790	
4	3360	12	4.16	4	B1	Hook length=11.0	13977.60	12412.109	
5	1680	12	2.52	4	B1	Hook length=11.0	4233.60	3759.437	
							Total weight (kg)	25440.805	



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Mobile: +355 68 2020 335  
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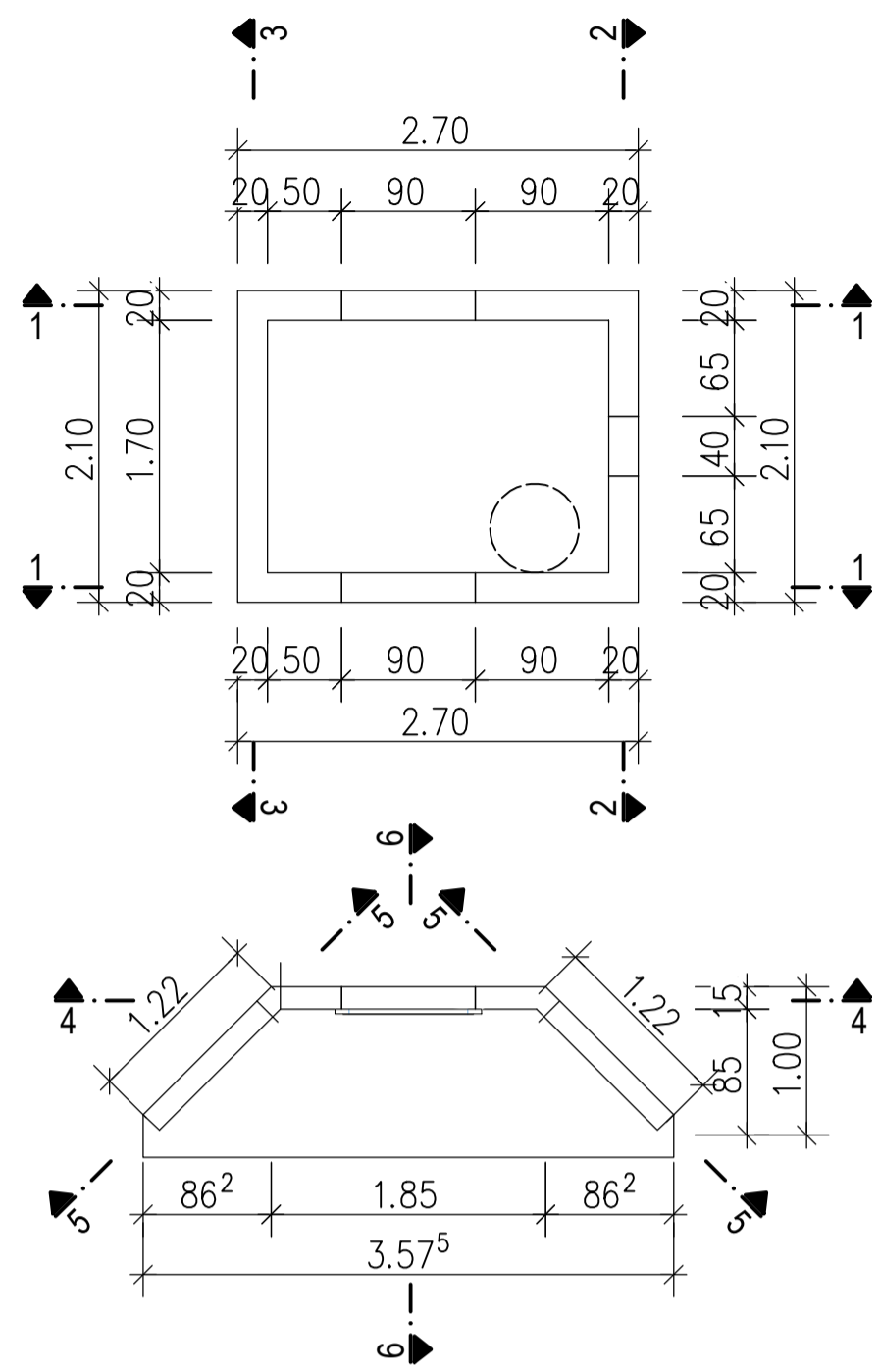
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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Handelsregister-Nr.: HRB 2082 Coburg  
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Mobile: +49 (0) 170 916 25 74  
E-mail: frank.ehrlicher@srp-consult.de

DD-ST-S-01		Structural Design Stairs Blocks	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:350/1:100/1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

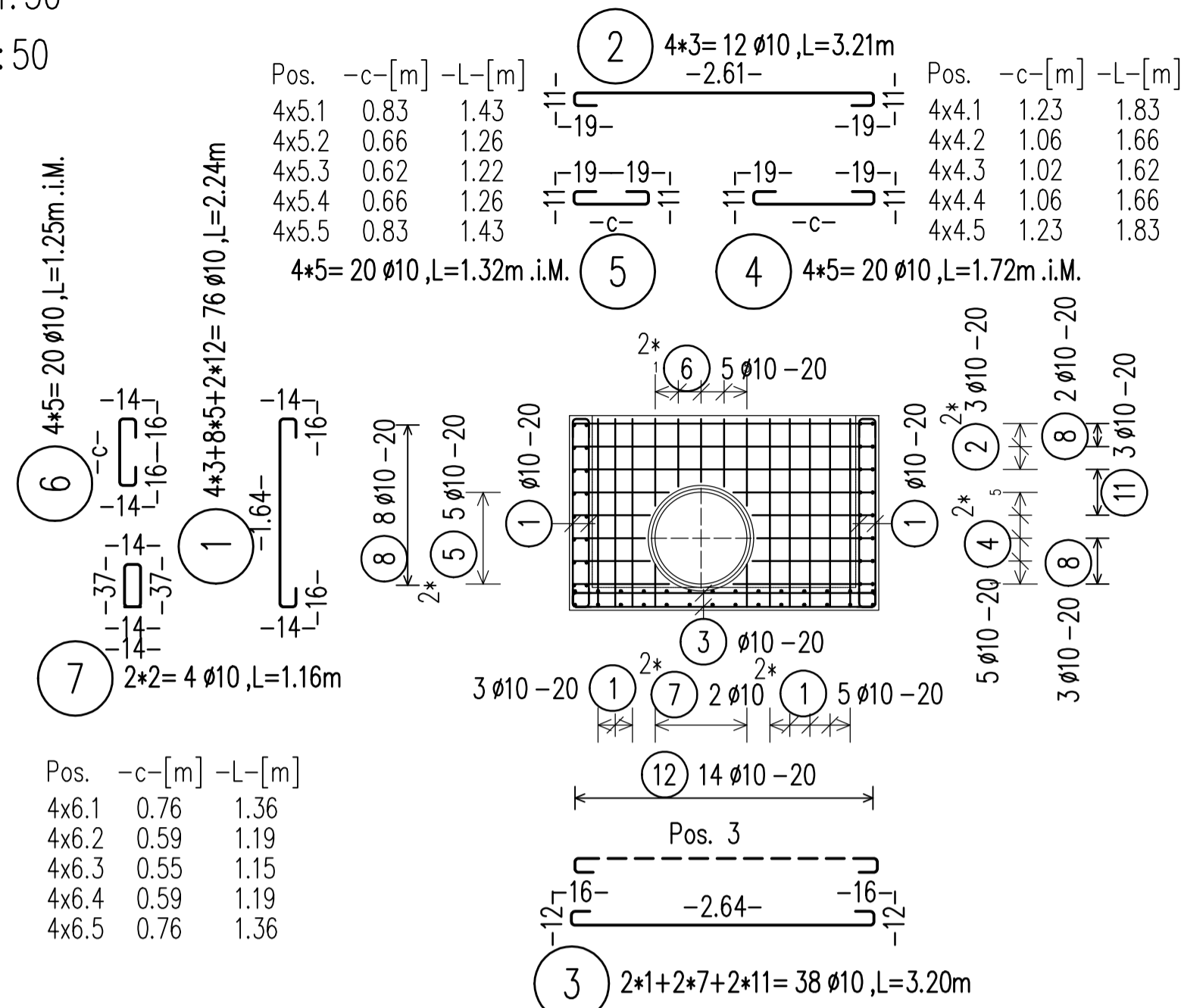
casanova+hernandez architects  
SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k.



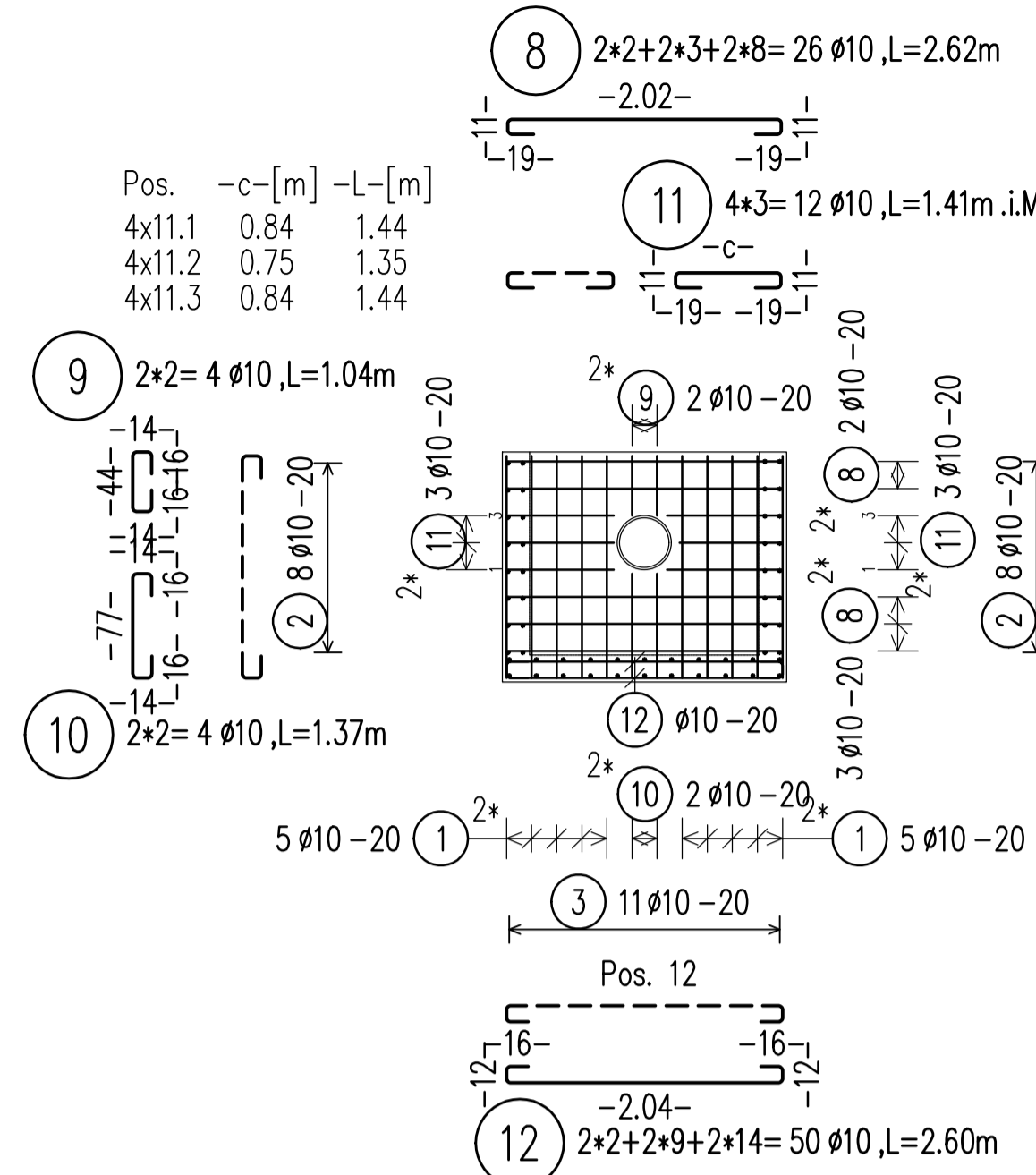
Overflow Chamber Plan Sc 1:50  
Puseta e tejmbushjes Sh 1:50



SECTION/PRERJE 1-1 Sc 1:50



SECTION/PRERJE 2-2 Sc 1:50



BENDING SCHEDULE		Steel grade: B500B	
Pos.	No.	Length	Weight
1	76	10	2.24
2	12	10	3.21
3	38	10	3.20
4	20	10	--
5	20	10	--
6	20	10	--
7	4	10	1.16
8	26	10	2.62
9	4	10	1.04
10	4	10	1.37
11	12	10	--
12	50	10	2.60
13	6	10	--
14	3	10	--
15	6	10	--
16	4	10	1.29
17	1	10	1.99
18	10	10	--
19	5	10	--
20	2	10	0.42
21	14	10	--
22	12	10	1.26
23	11	10	1.29
24	10	10	--
25	7	10	--

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$ $> 20 \text{ mm}$ $d_{tr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTETË TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTETË TE KEQJA ADERENCE		
h=250mm - GOOD BOND CONDITION/ KUSHTETË TE MIRA ADERENCE		

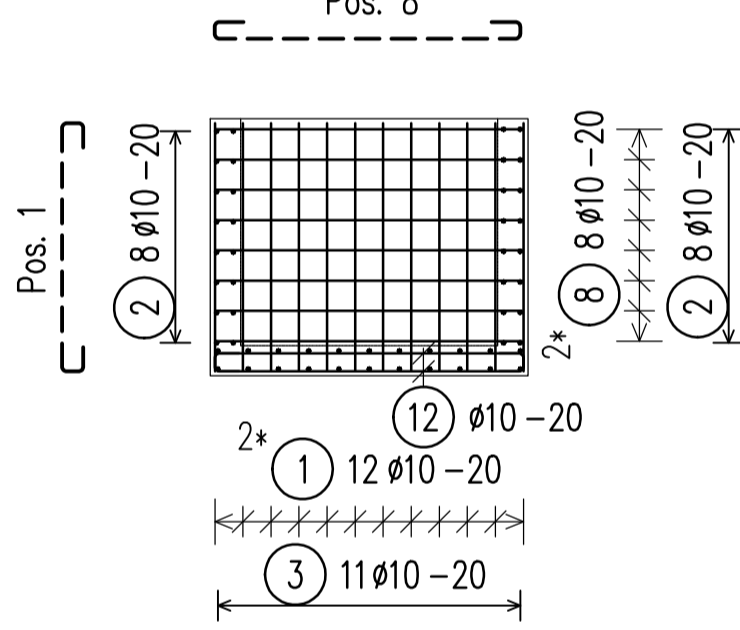
CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT						
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË					
DIAMETER/DIAMETRI	8	10	12	16	20	25
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510

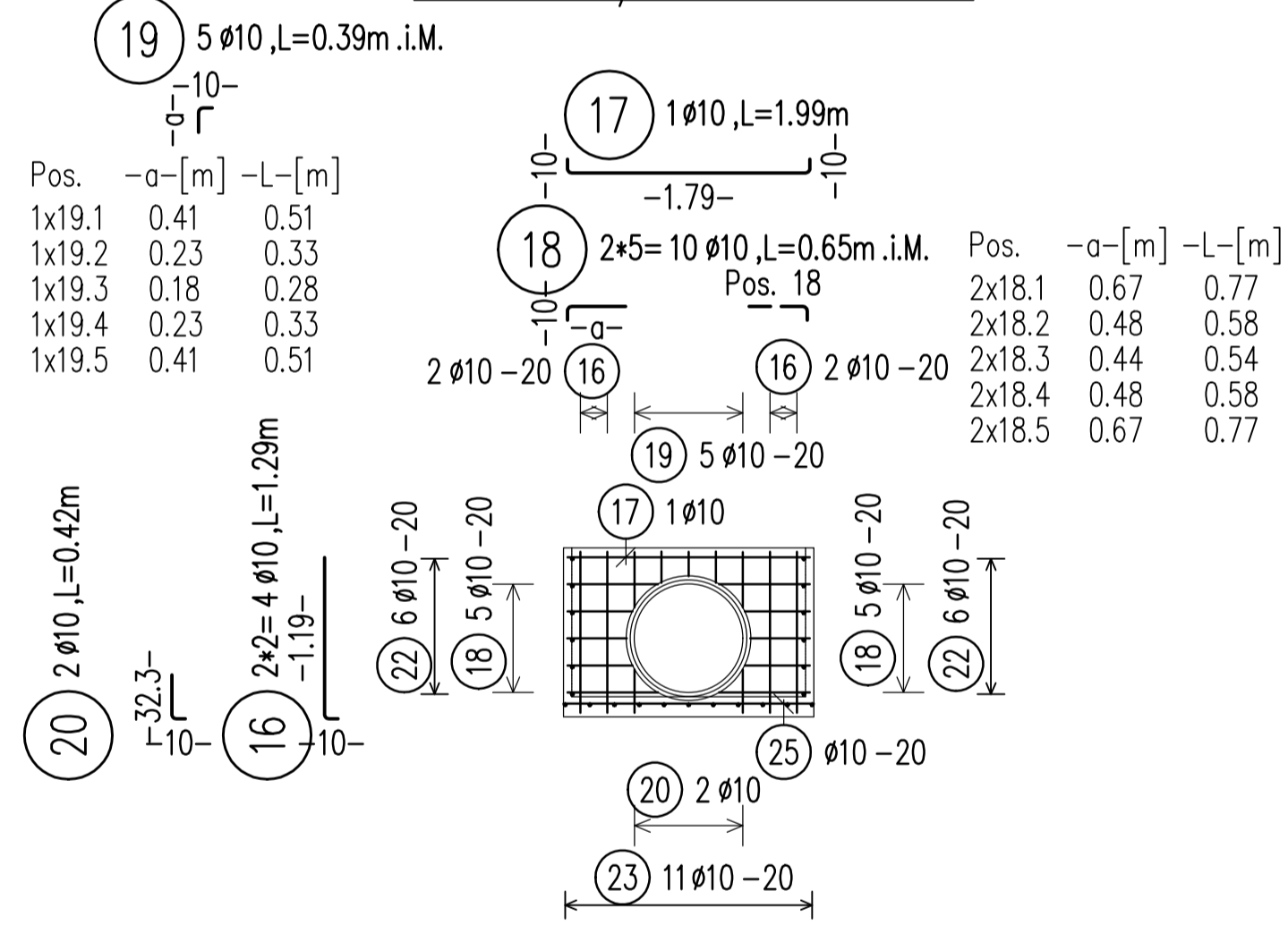
LAP LENGTH/GJATËSIA E XHUNTIMIT						
BOND CONDITIONS/ADERENCA:	POOR/E KEQE					
DIAMETER/DIAMETRI	8	10	12	16	20	25
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158

- NOTES/SHENIME
- Të gjitha koordinatat janë në UTM WGS84 34N.
  - Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
  - Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
  - Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
  - Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
  - Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
  - Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

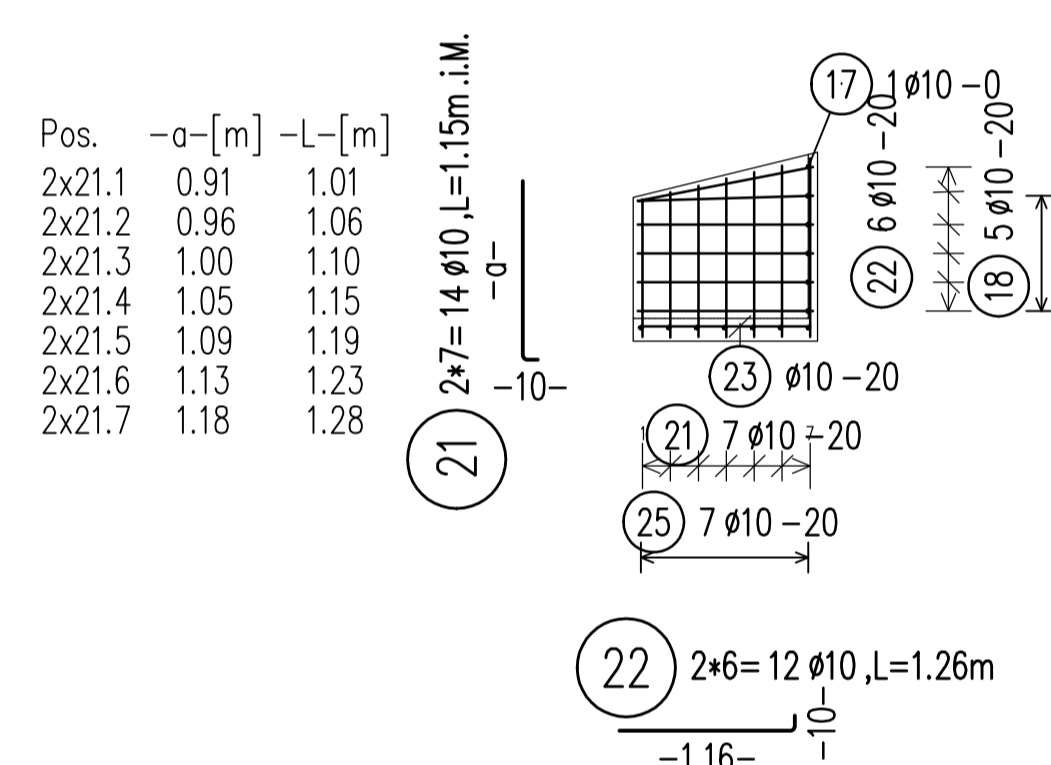
SECTION/PRERJE 3-3 Sc 1:50



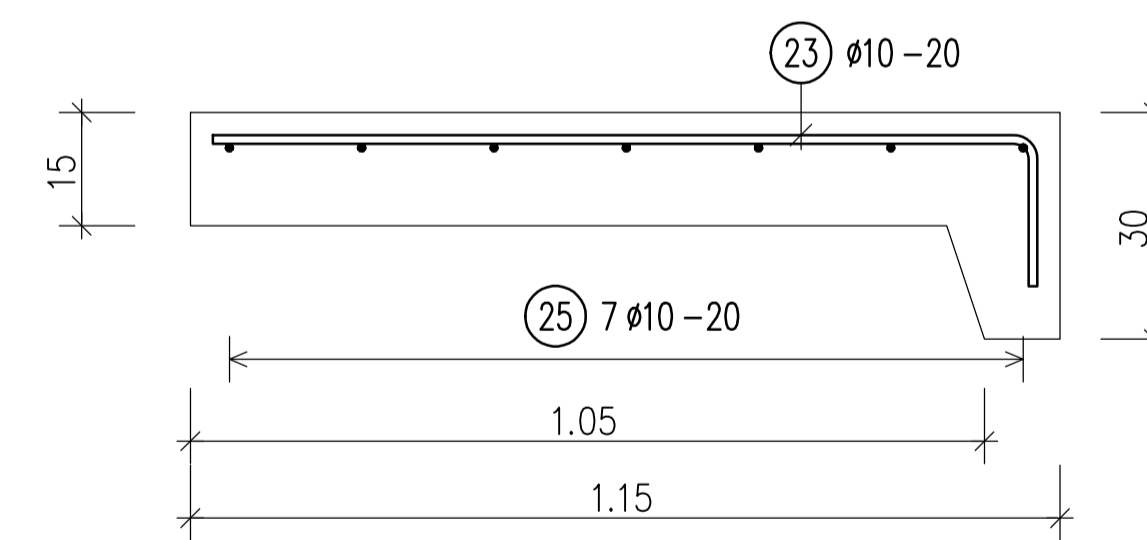
SECTION/PRERJE 4-4 Sc 1:50



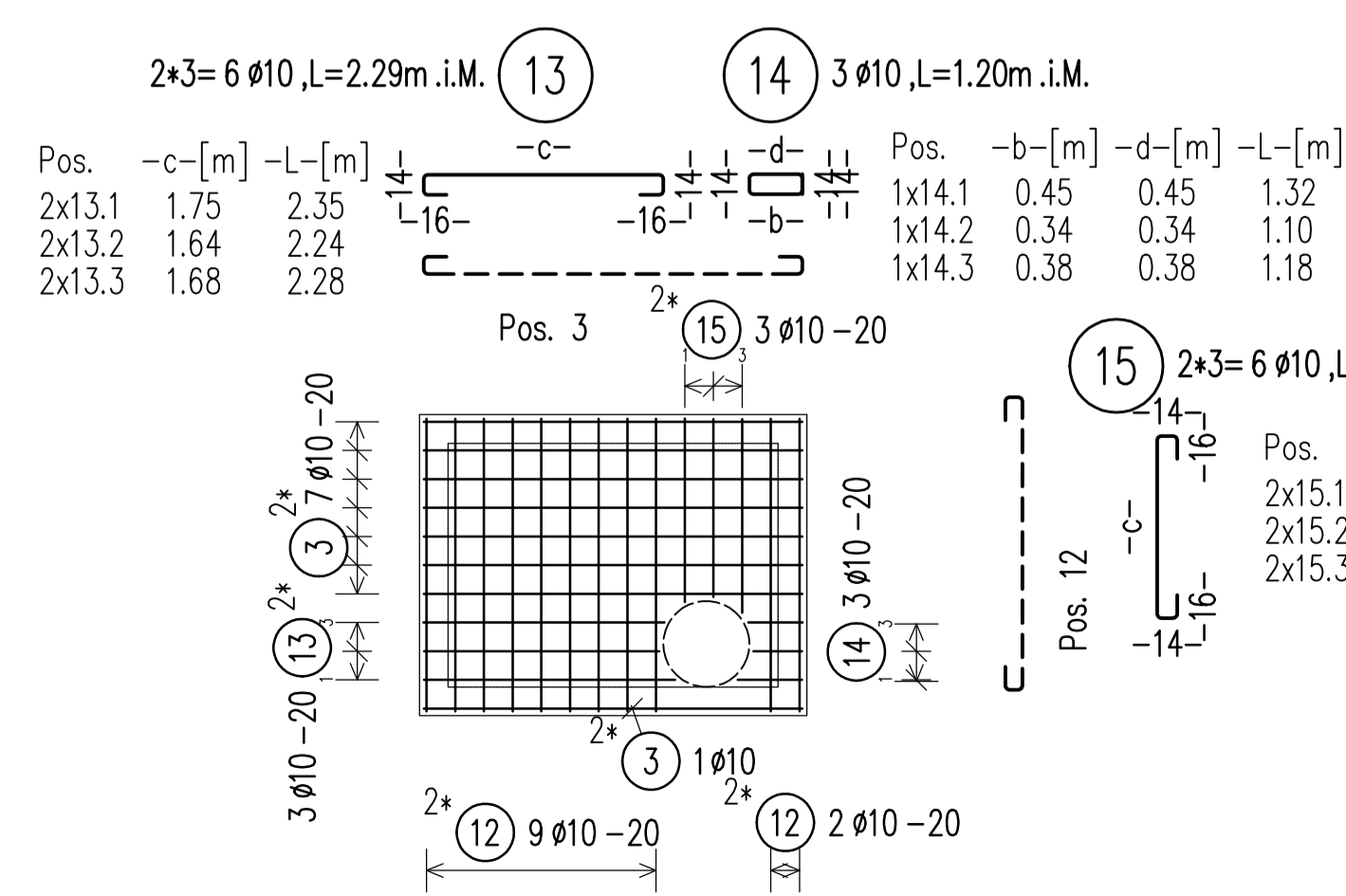
SECTION/PRERJE 5-5 Sc 1:50



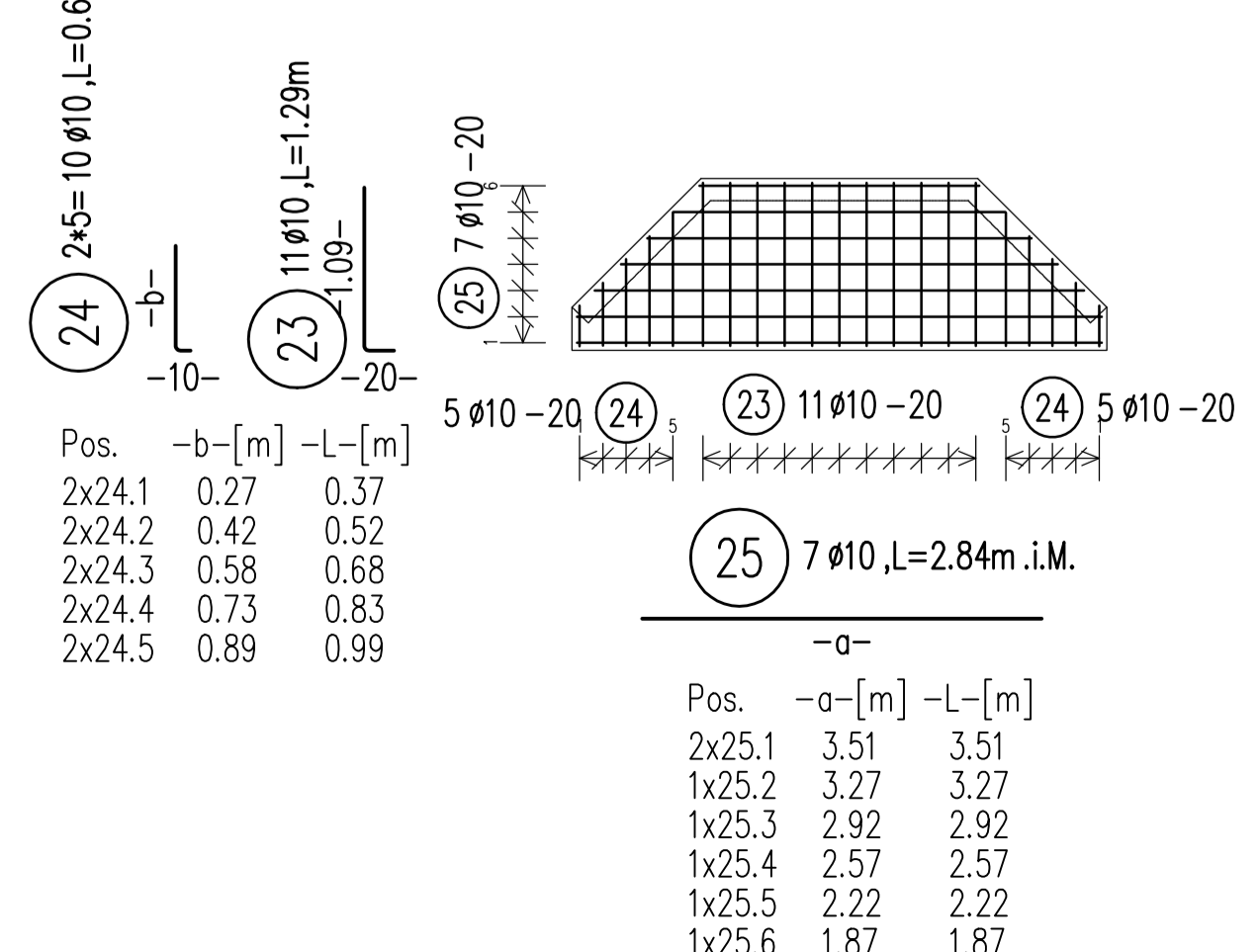
SECTION/PRERJE 6-6 SC 1:10



SLAB/SOLETA Sc 1:50



BOTTOM SLAB/SOLETA E POSHTME Sc 1:50



BAR SCHEDULE		Steel grade: B500B	
Component:	Overflow Chamber	Tot. L	Weight(kg)
1	76	10	2.24
2	12	10	3.21
3	38	10	3.20
4	20	10	--
5	20	10	--
6	20	10	--
7	4	10	1.16
8	26	10	2.62
9	4	10	1.04
10	4	10	1.37
11	12	10	--
12	50	10	2.60
13	6	10	--
14	3	10	--
15	6	10	--
16	4	10	1.29
17	1	10	1.99
18	10	10	--
19	5	10	--
20	2	10	0.42
21	14	10	--
22	12	10	1.26
23	11	10	1.29
24	10	10	--
25	7	10	--

CLIENT:  
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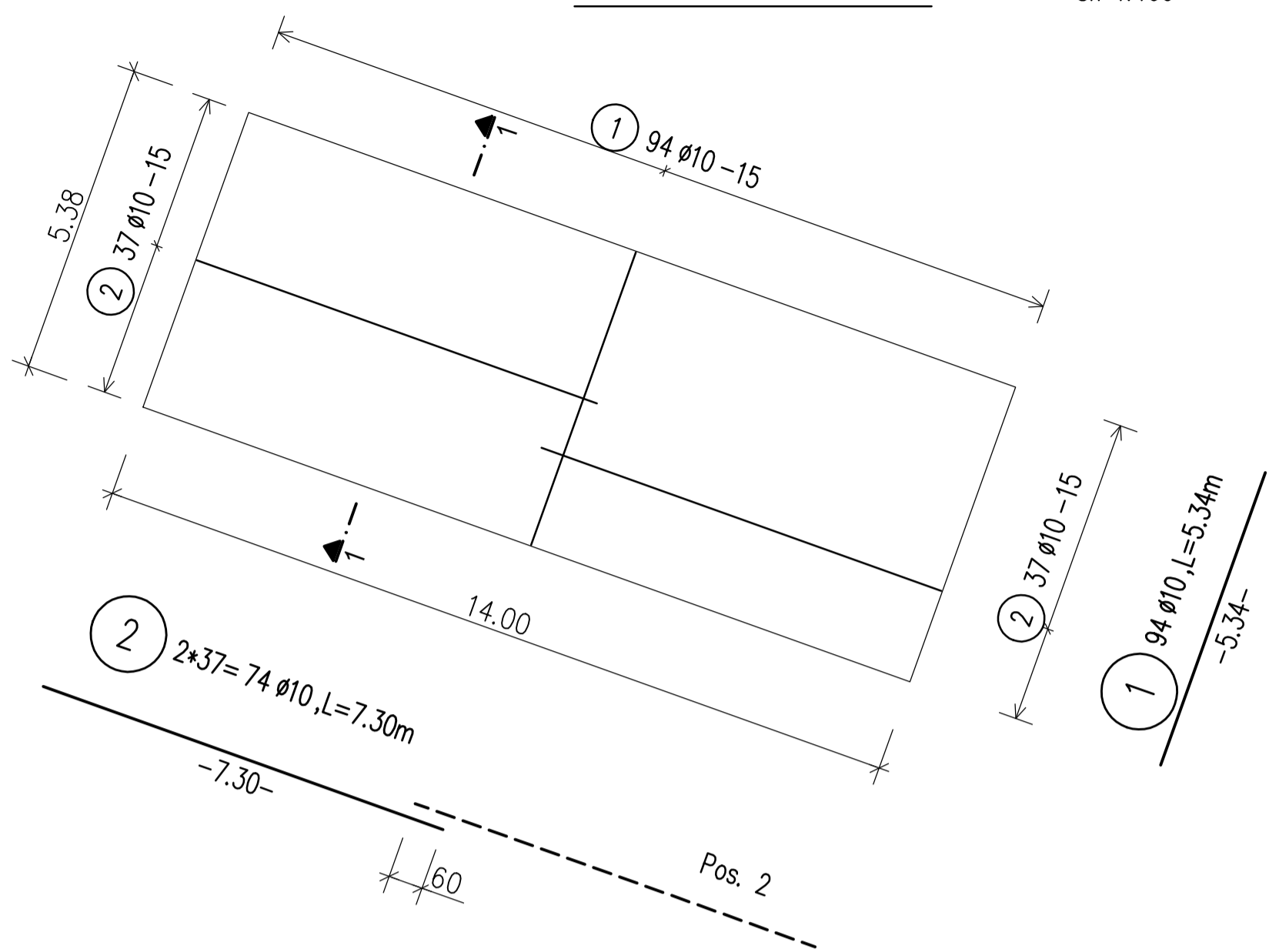
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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E-mail: frank.ehrlicher@srp-consult.de

DD-ST-S-02		Structural Design Stairs Blocks	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

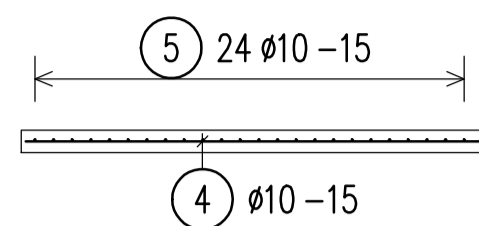
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SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k



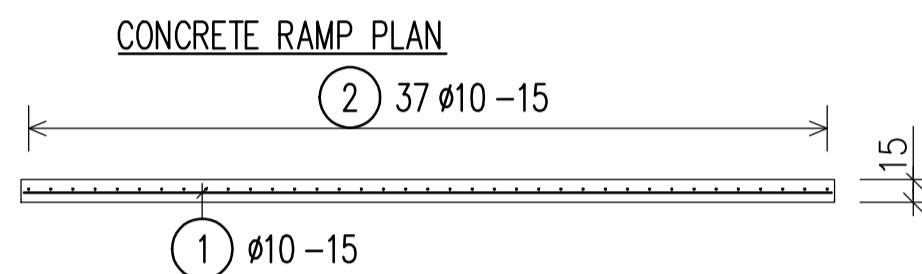
CONCRETE RAMP PLAN Sc 1:100  
 PLANI I RAMPES Sh 1:100



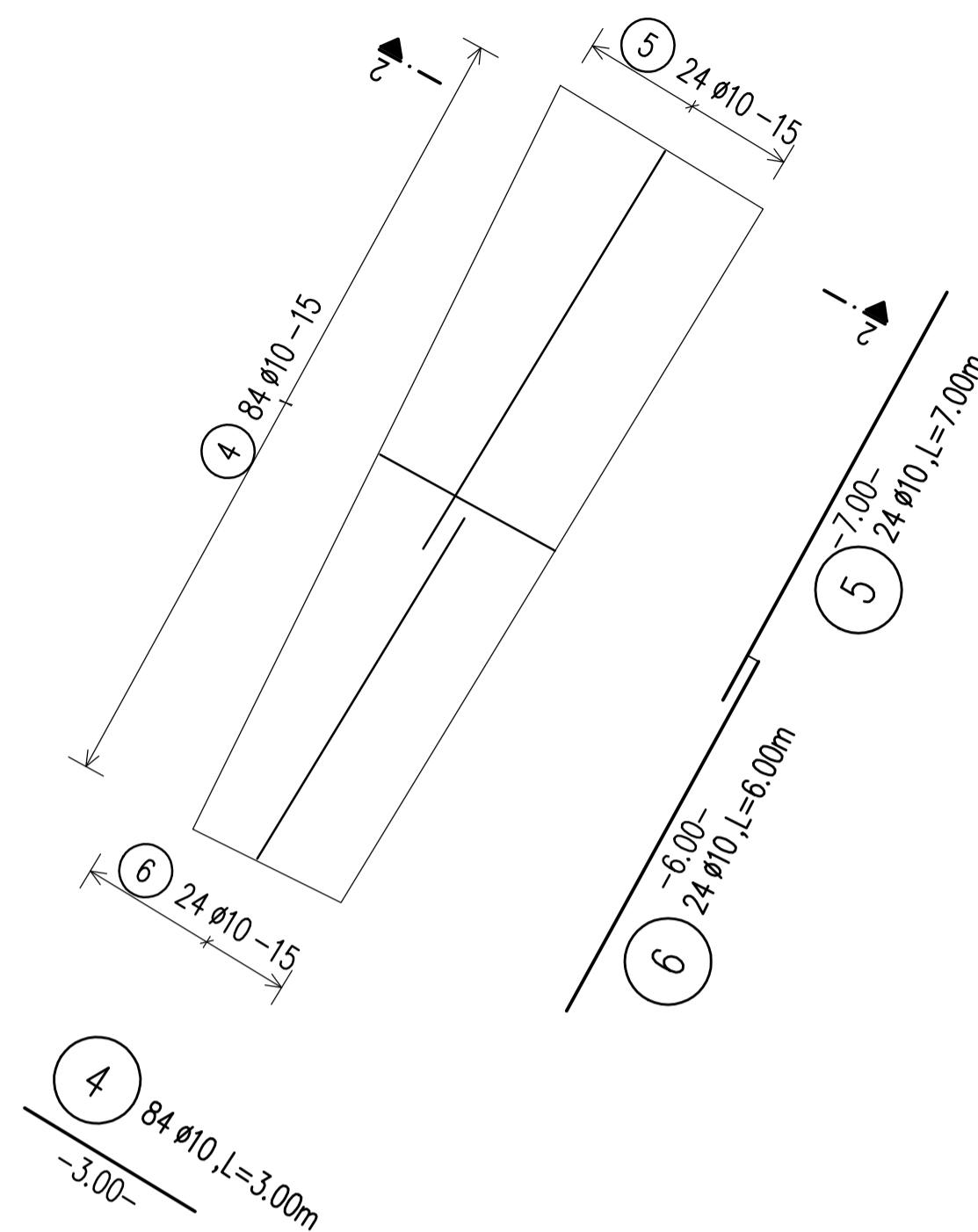
SECTION/PRERJE 2-2 Sc 1:50



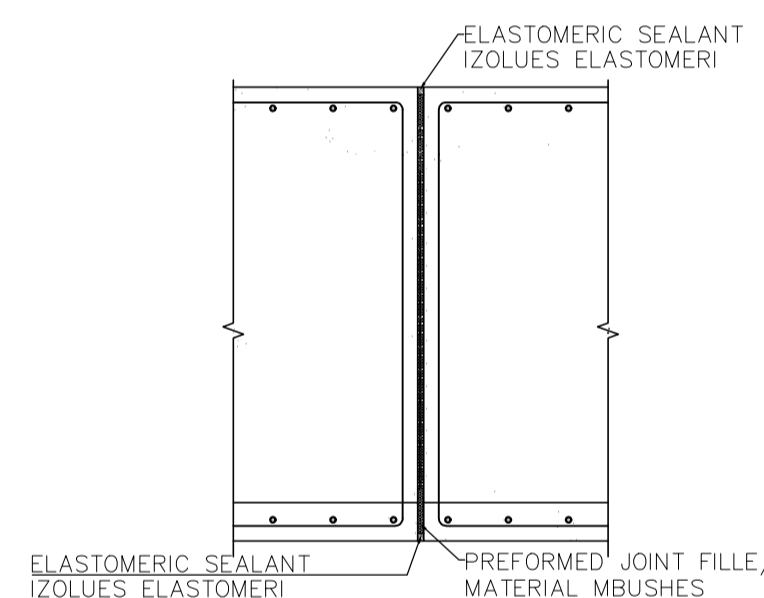
SECTION/PRERJE 1-1 Sc 1:50



CONCRETE RAMP PLAN Sc 1:100  
 PLANI I RAMPES Sh 1:100

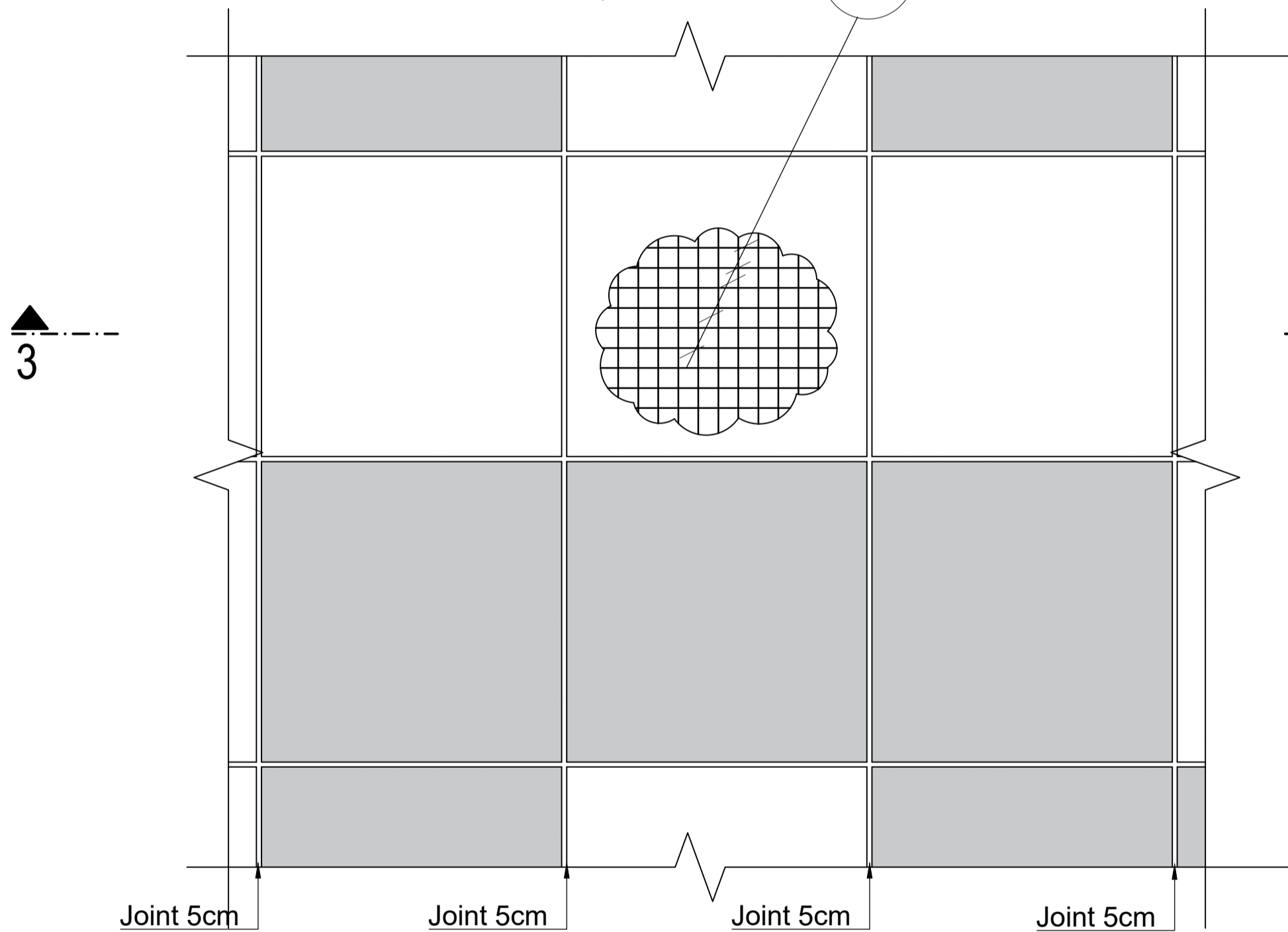


EXPANSION JOINT DETAIL  
 DETAJI I FUGAVE TERMIKE

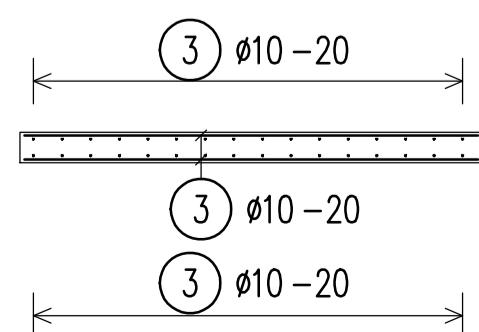


CONCRETE SLAB DETAIL  
 DETAJI I SOLETES BETONARME Sc 1:50  
 Sh 1:50

Double Layer Mesh 3 Ø10-20



SECTION/PRERJE 3-3 Sc 1:50



BAR SCHEDULE Steelgrade: B500B

Pos.	No.	D	Length	Tot.L	Weight(kg)
1	94	10	5.34	501.96	309.709
2	74	10	7.30	540.20	333.303
3	3000	10	12.00	36000.00	22211.999
4	84	10	3.00	252.00	155.484
5	24	10	7.00	168.00	103.656
6	24	10	6.00	144.00	88.848

Total steelqu.

D(mm)	Tot.L	kg/m	Weight(kg)
10	37606.16	0.617	23203.000

Total weight (kg) 23203.000

BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	Ø	Length	dir ds	Type	shape code	Tot.L	Weight kg
1	94	10	5.34		4	5.34	501.96	309.709
2	74	10	7.30		4	7.30	540.20	333.303
3	3000	10	12.00		4	12.00	36000.00	22211.999
4	84	10	3.00		4	3.00	252.00	155.484
5	24	10	7.00		4	7.00	168.00	103.656
6	24	10	6.00		4	6.00	144.00	88.848

Total weight (kg) 23203.000

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $> 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

NOTES/SHENIME

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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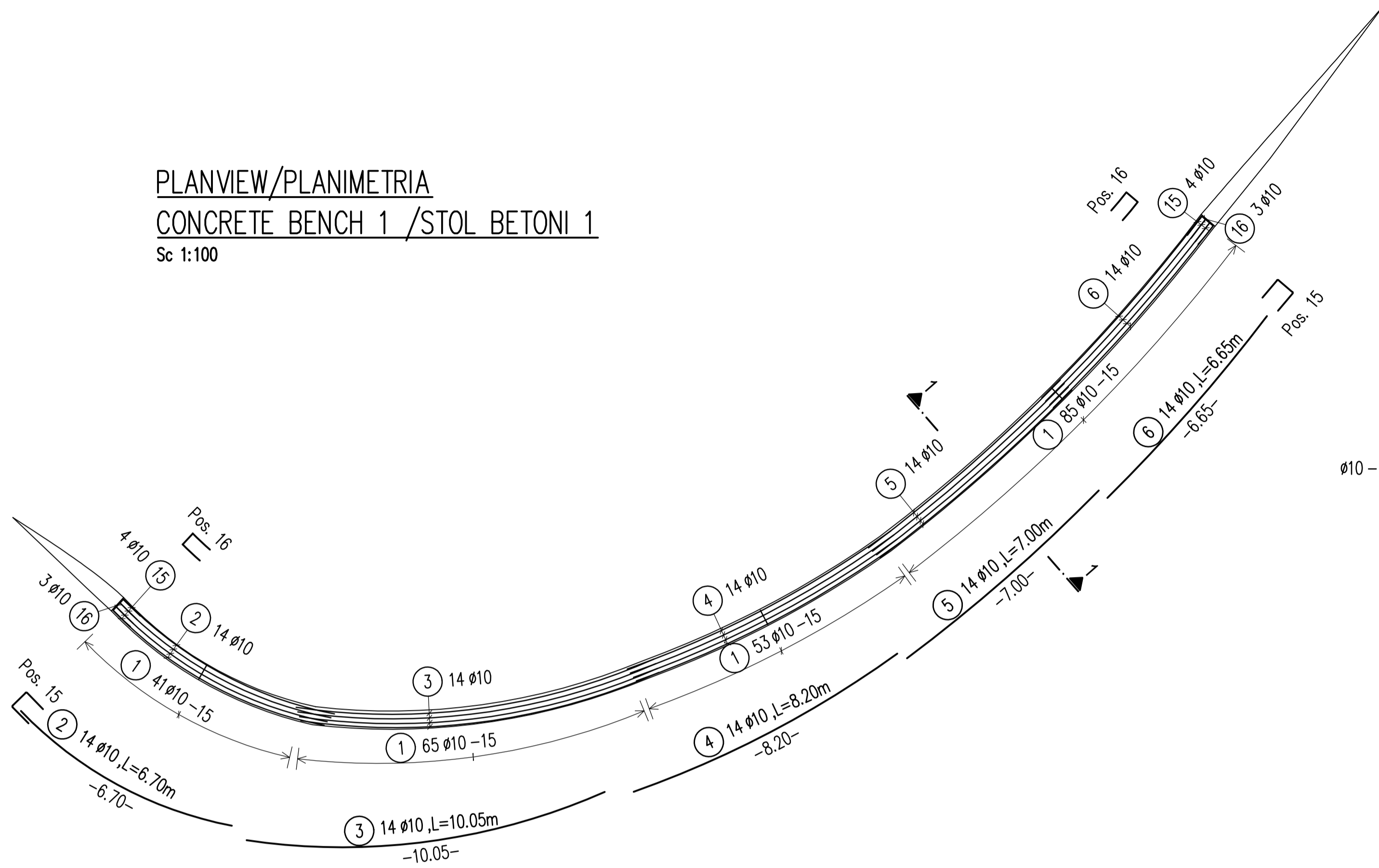
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Drawing number	Description	Scale	Date
Detailed Design	841 x 594 mm	1:100/1:50	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

casanova+hernandez architects  
 SRP Schneider & Partner, Ingenieur-Consult GmbH  
 SRP Albanian Engineering sh.p.k.

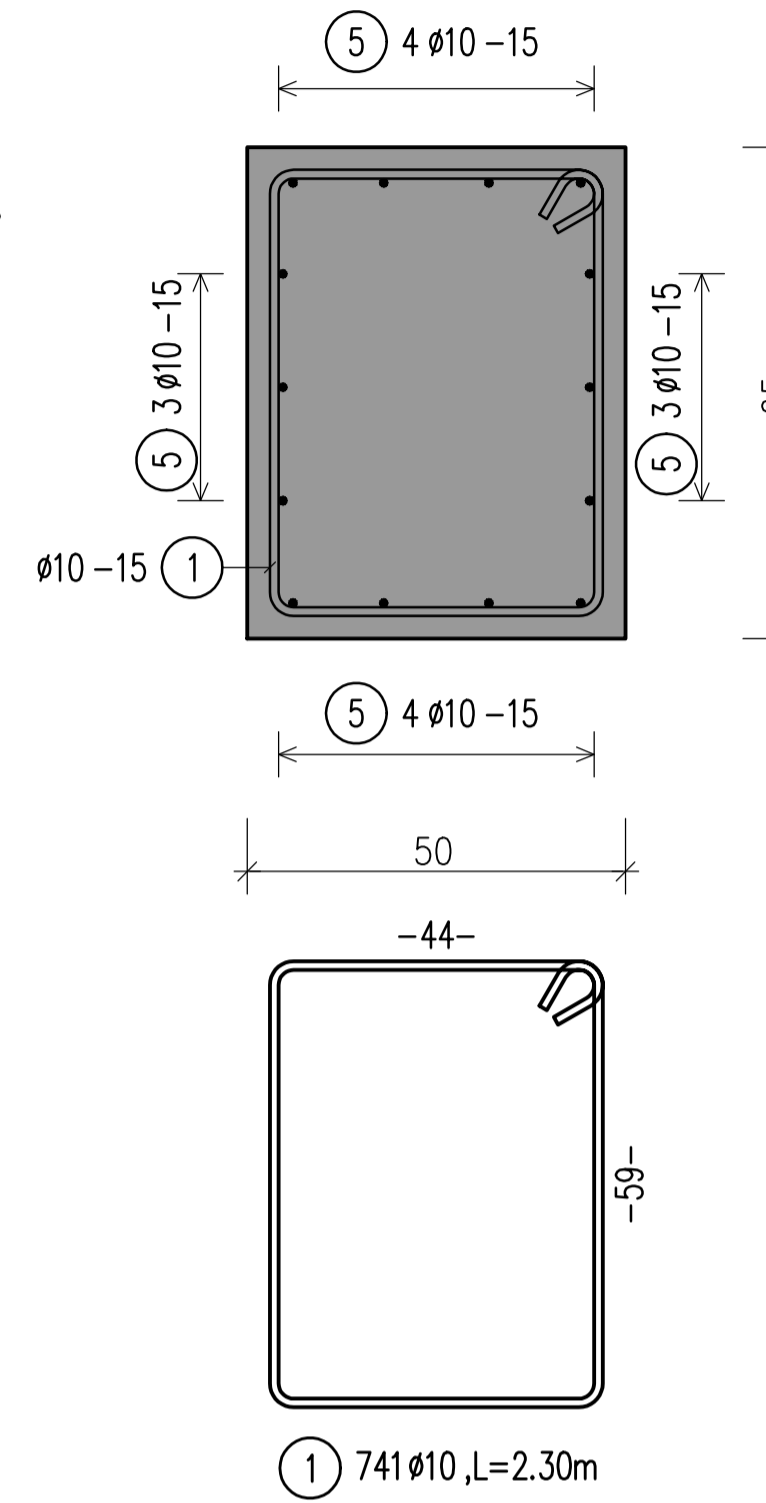
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PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 1 /STOL BETONI 1  
Sc 1:100



SECTION/PRERJA 1-1  
Sc 1:10



BENDING SCHEDULE Steelgrade: B500B									
Pos.	No.	d	Length	dir.	type	shape code	Tot.L	Weight	
1	741	10	2.30	4	B1	Hook length=10.5	1704.30	1051.553	
2	14	10	6.70	4	X1	6.70		93.80	57.875
3	14	10	10.05	4	X1	10.05		140.70	86.812
4	14	10	8.20	4	X1	8.20		114.80	70.832
5	14	10	7.00	4	X1	7.00		98.00	60.466
6	14	10	6.65	4	X1	6.65		93.10	57.443
7	14	10	9.40	4	X1	9.40		131.60	81.197
8	14	10	9.40	4	X1	9.40		131.60	81.197
9	14	10	7.30	4	X1	7.30		102.20	63.057
10	14	10	3.10	4	X1	3.10		43.40	26.778
11	7	10	3.30	4	X1	3.30		23.10	14.253
12	14	10	5.50	4	X1	5.50		77.00	47.509
13	14	10	6.15	4	X1	6.15		86.10	53.124
14	7	10	2.60	4	X1	2.60		18.20	11.229
15	32	10	1.86	4	A3	65		59.52	36.724
16	24	10	1.71	4	X1	93° 65		41.04	25.322

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $> 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE	
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

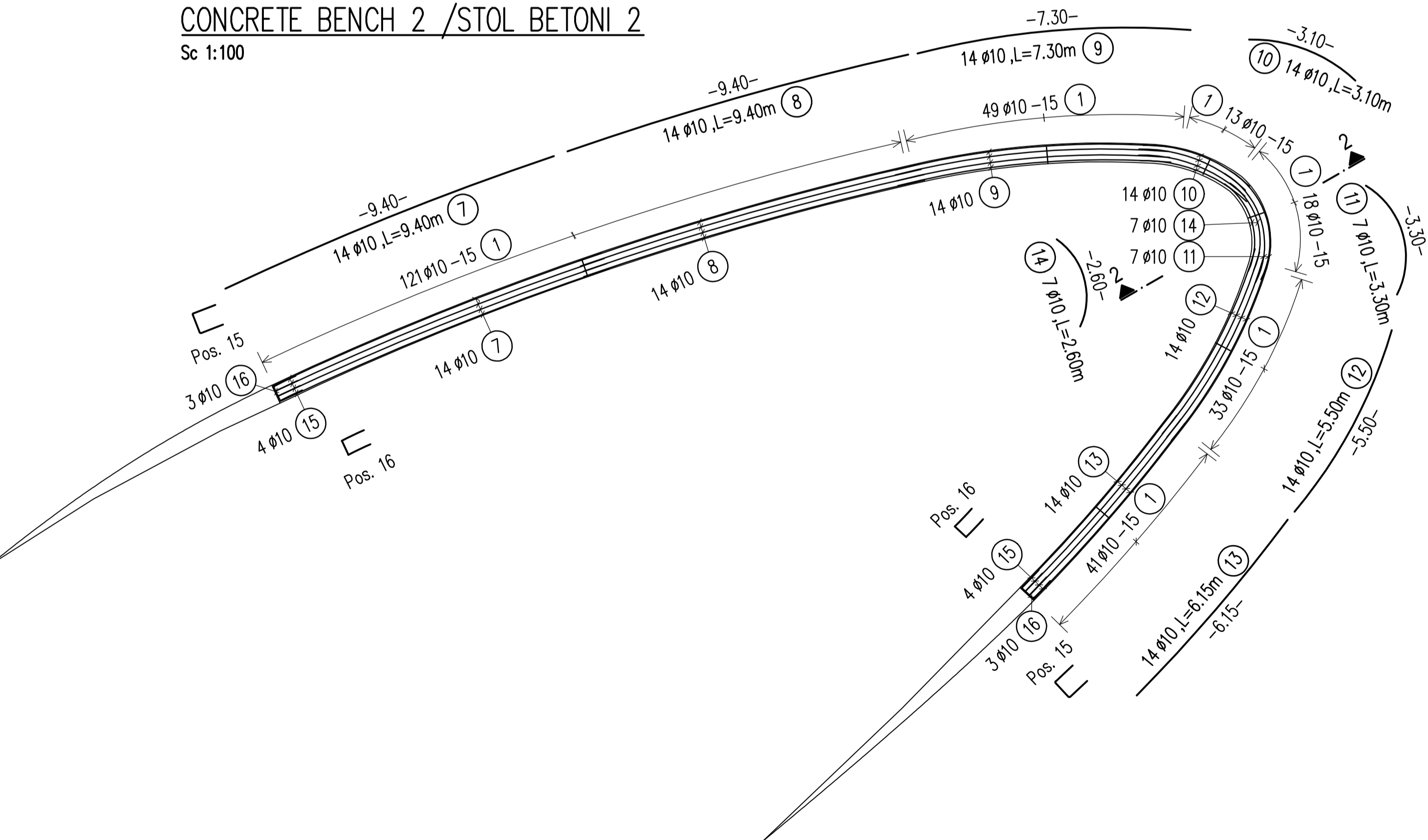
CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

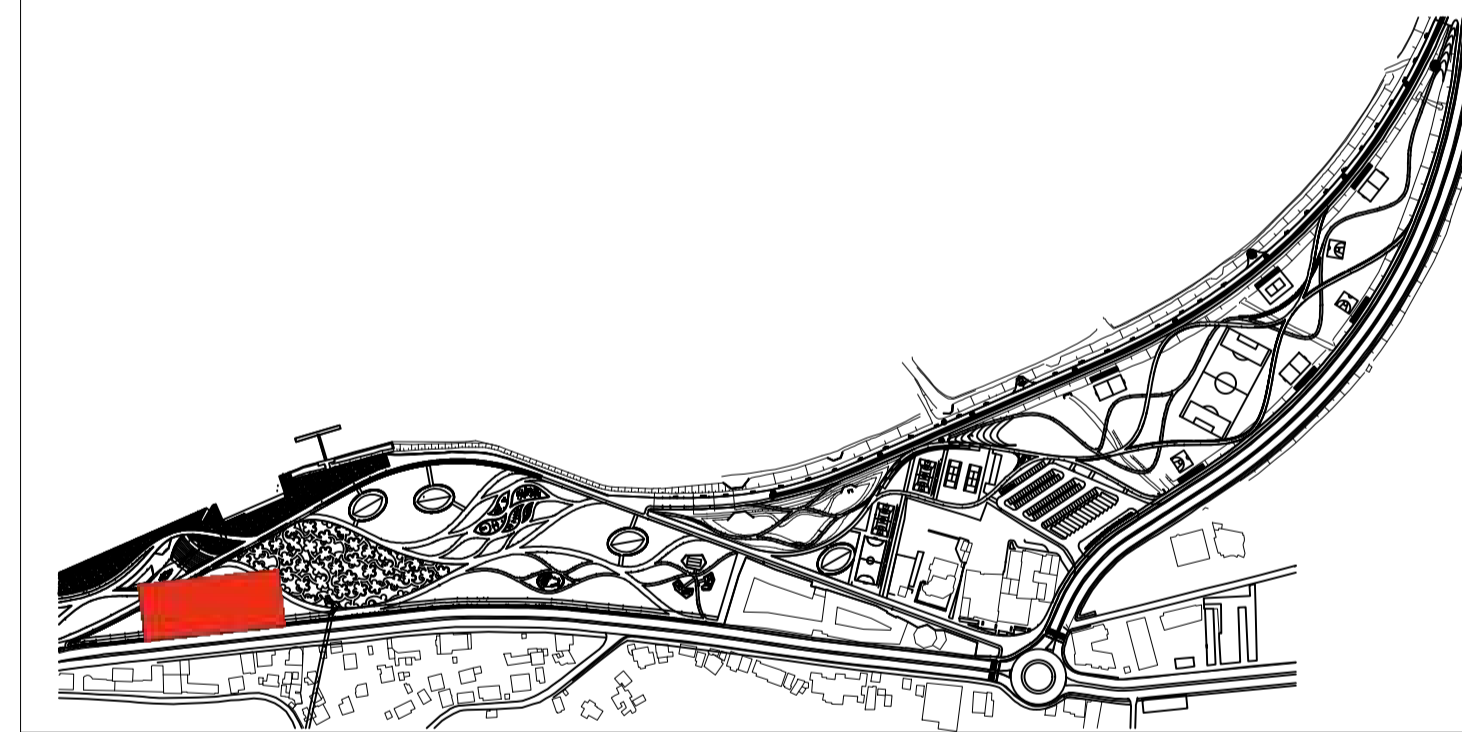
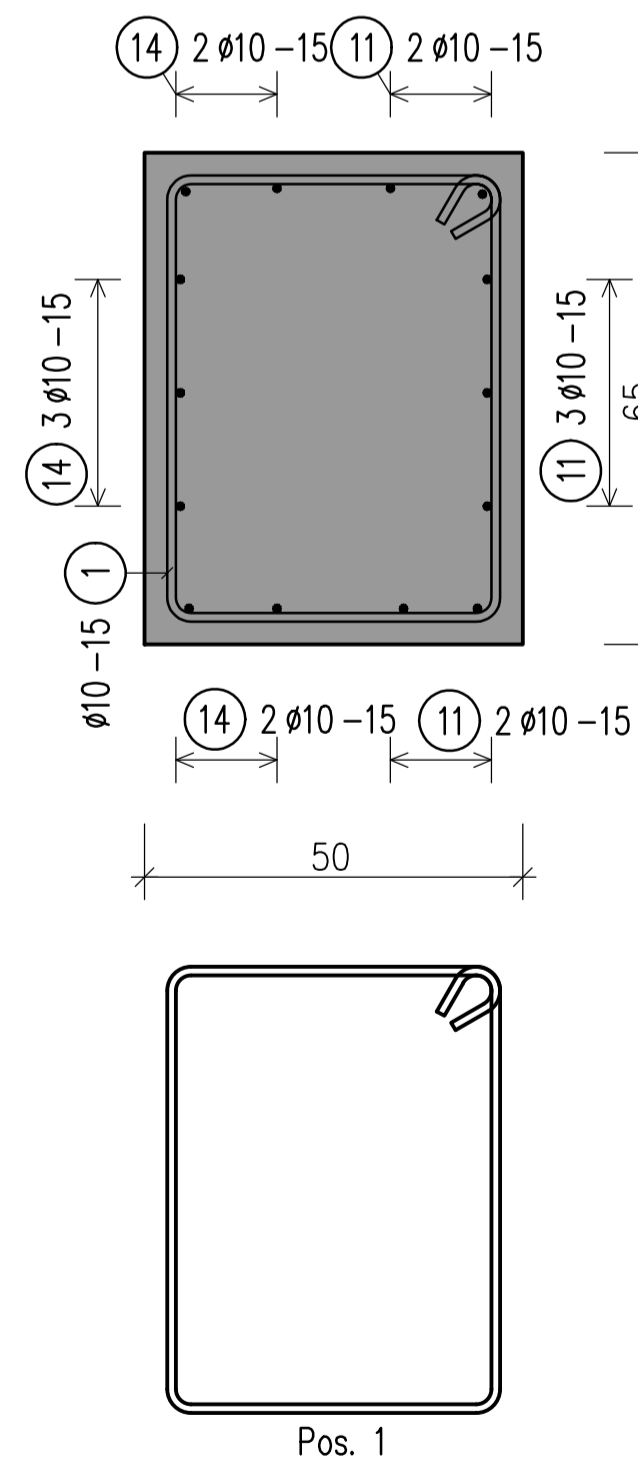
LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
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PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2 /STOL BETONI 2  
Sc 1:100



SECTION/PRERJA 2-2  
Sc 1:10



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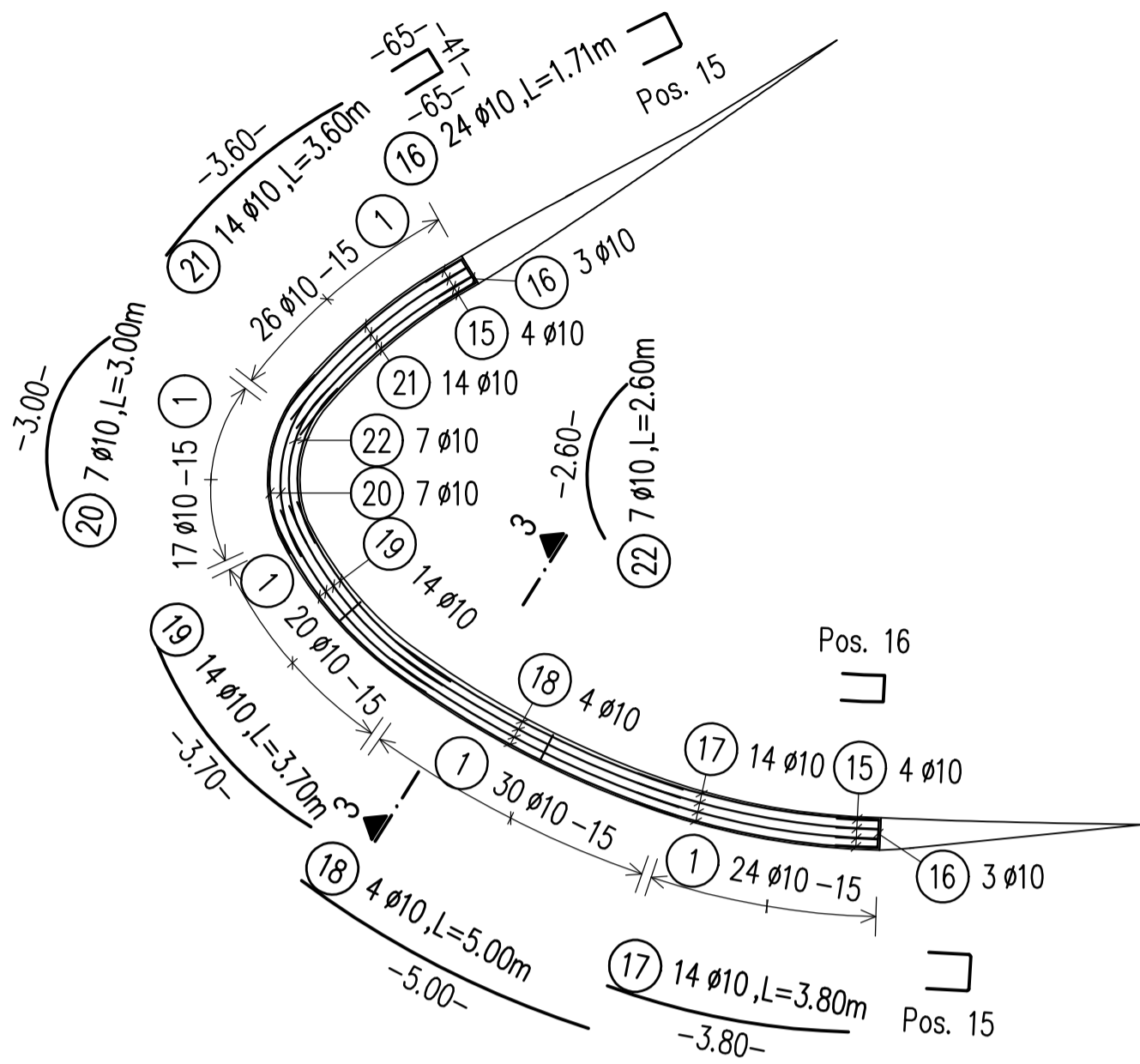
SRP Albanian Engineering s.h.p.k.  
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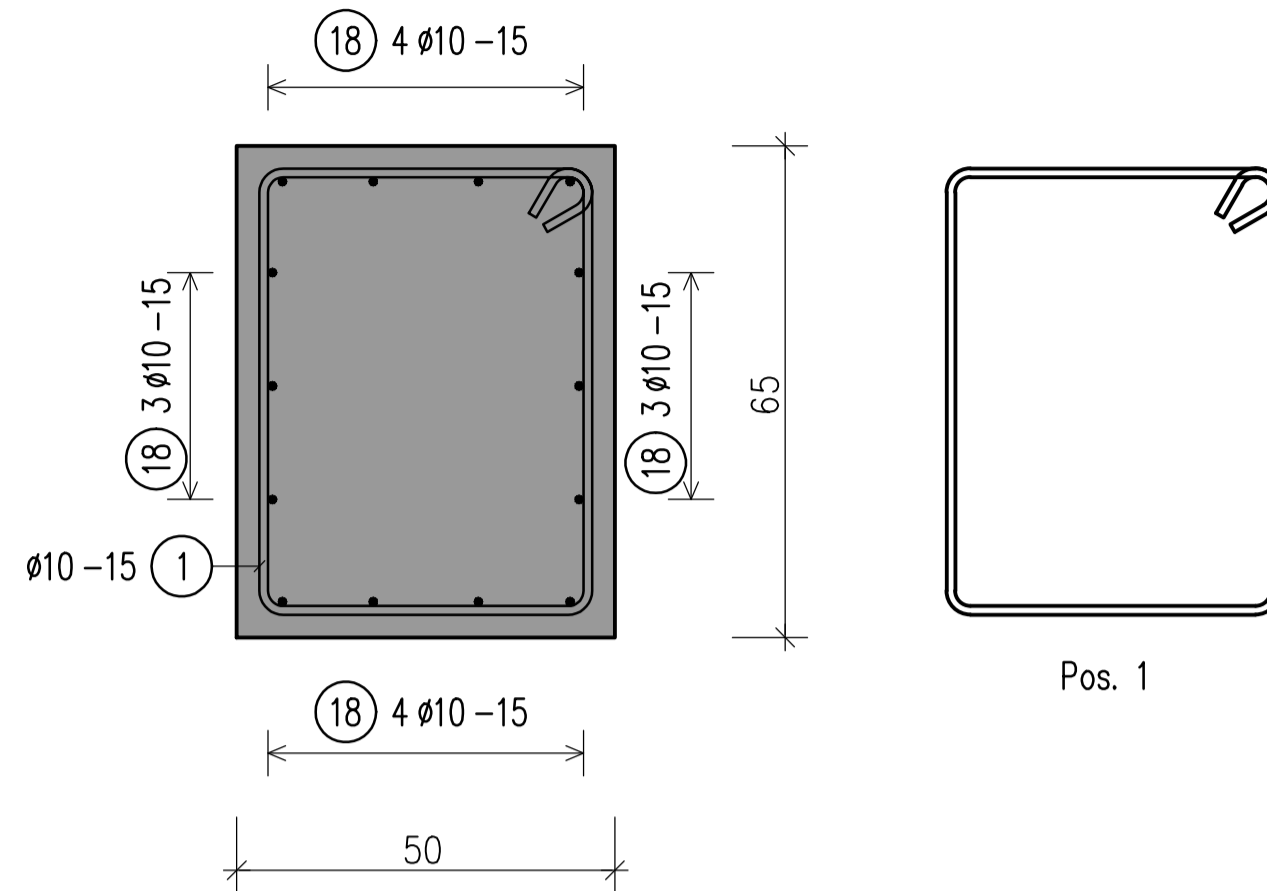
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Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:10	27-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



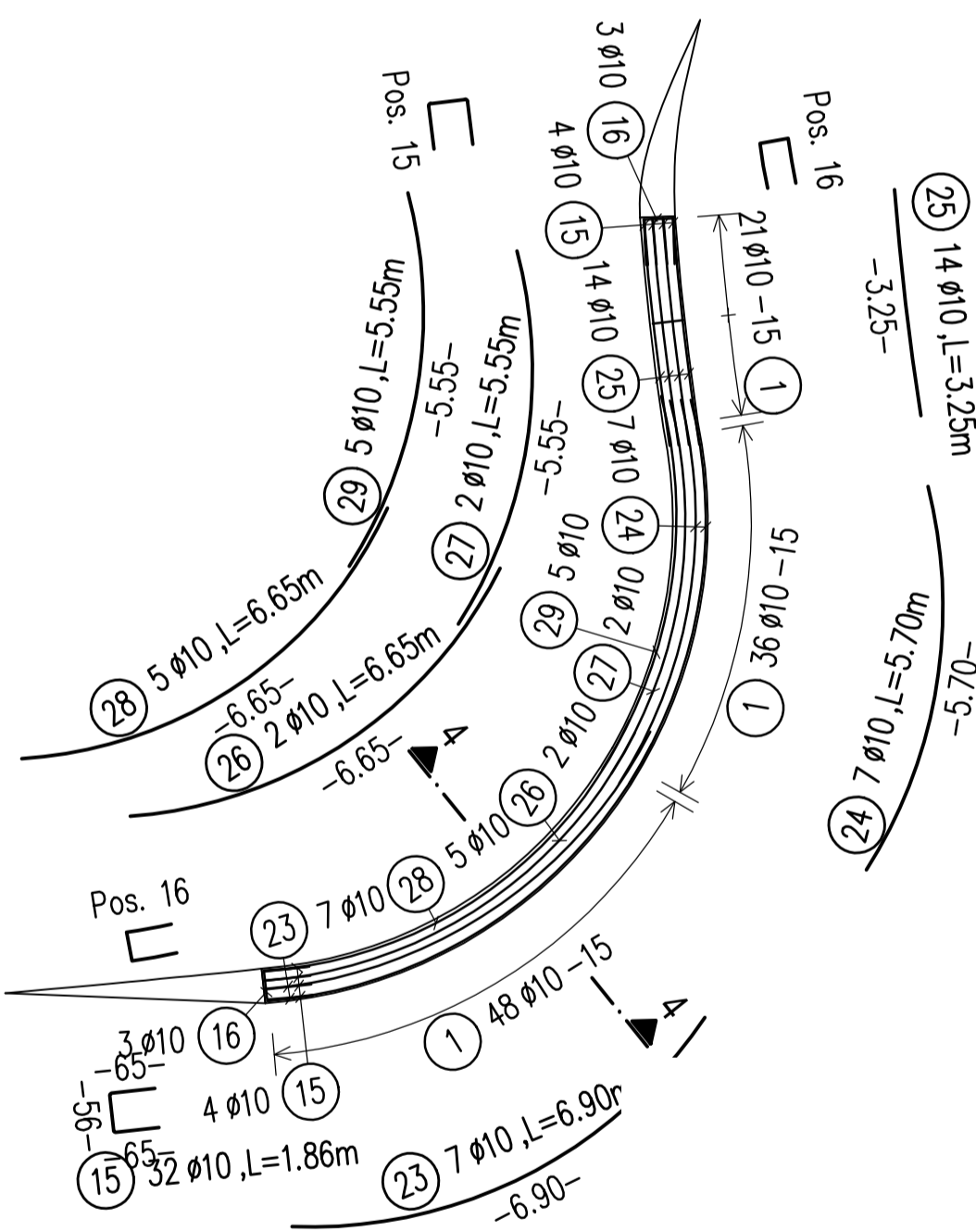
PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 3 /STOL BETONI 3  
Sc 1:100



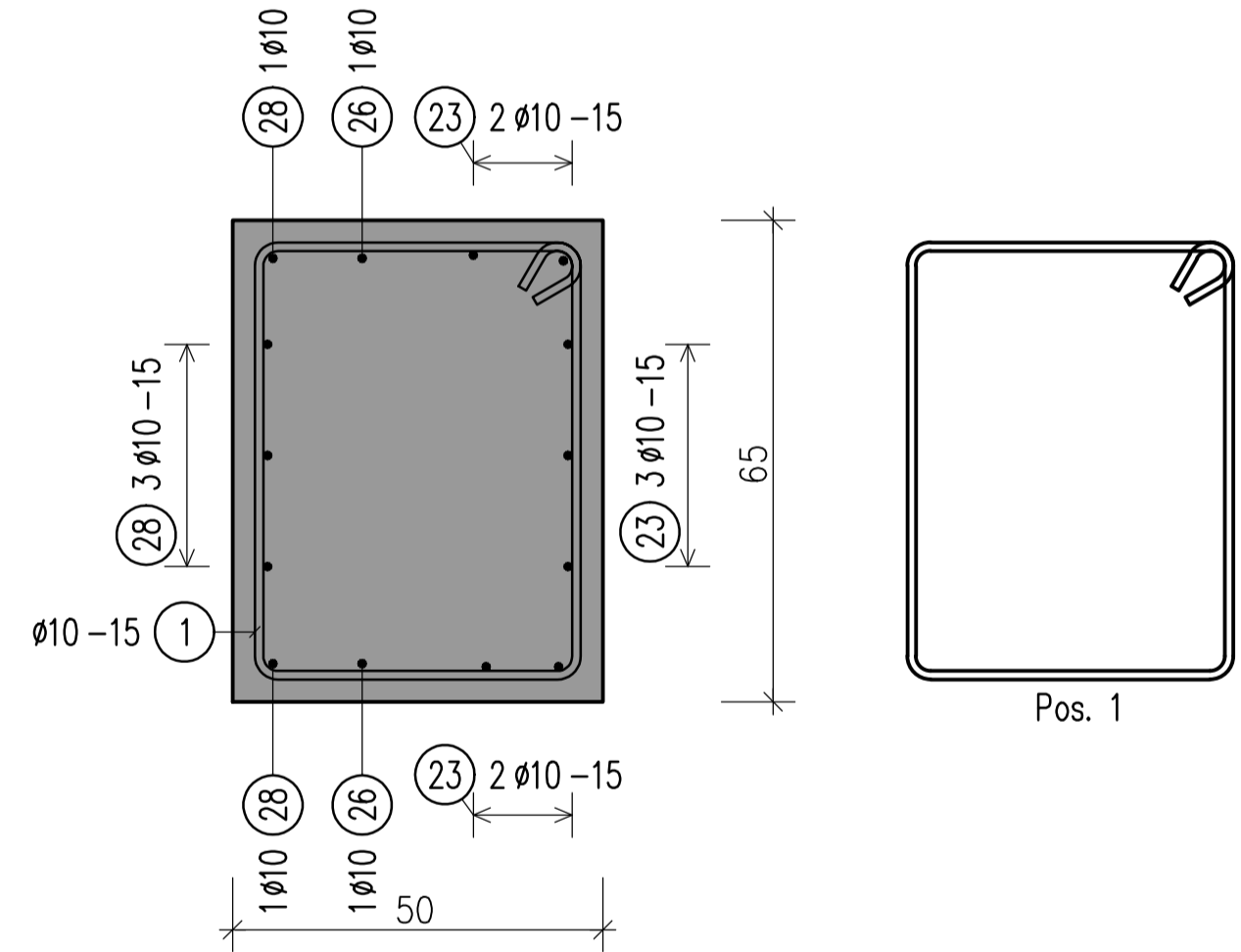
SECTION/PRERJA 3-3  
Sc 1:10



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 4 /STOL BETONI 4  
Sc 1:100



SECTION/PRERJA 4-4  
Sc 1:10



BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	d	Length	bars	type	shape code	Tot.L	Weight
17	14	10	3.80	4	XI	3.80 Nr. dx dy l > r chord from Angle 1 3.78 0.86 3.80 > 11.42 3.78 0.16 19	53.20	32.824
18	4	10	5.00	4	XI	5.00 Nr. dx dy l > r chord from Angle 1 4.98 0.88 5.00 > 15.27 4.98 0.20 19	20.00	12.340
19	14	10	3.70	4	XI	3.70 Nr. dx dy l > r chord from Angle 1 -3.63 -0.12 3.70 > 5.66 3.63 0.30 37	51.80	31.961
20	7	10	3.00	4	XI	3.00 Nr. dx dy l > r chord from Angle 1 -2.77 -0.19 3.00 > 2.20 2.77 0.49 78	21.00	12.957
21	14	10	3.60	4	XI	3.60 Nr. dx dy l > r chord from Angle 1 -3.57 -0.88 3.60 > 8.45 3.57 0.19 24	50.40	31.097
22	7	10	2.60	4	XI	2.60 Nr. dx dy l > r chord from Angle 1 -2.40 -0.16 2.60 > 1.90 2.40 0.43 78	18.20	11.229
23	7	10	6.90	4	XI	6.90 Nr. dx dy l > r chord from Angle 1 6.60 0.34 6.90 > 6.77 6.61 0.86 58	48.30	29.801
24	7	10	5.70	4	XI	5.70 Nr. dx dy l > r chord from Angle 1 5.54 0.23 5.70 > 6.99 5.54 0.57 47	39.90	24.618
25	14	10	3.25	4	XI	3.25 Nr. dx dy l > r chord from Angle 1 -3.25 -0.01 3.25 > 43.11 3.25 0.03 4	45.50	28.073
26	2	10	6.65	4	XI	6.65 Nr. dx dy l > r chord from Angle 1 6.35 0.33 6.65 > 6.42 6.36 0.84 59	13.30	8.206
27	2	10	5.55	4	XI	5.55 Nr. dx dy l > r chord from Angle 1 5.39 0.22 5.55 > 6.70 5.39 0.57 47	11.10	6.849
28	5	10	6.65	4	XI	6.65 Nr. dx dy l > r chord from Angle 1 6.32 0.34 6.65 > 6.15 6.33 0.88 62	33.25	20.515
29	5	10	5.55	4	XI	5.55 Nr. dx dy l > r chord from Angle 1 5.39 0.22 5.55 > 6.70 5.39 0.57 47	27.75	17.122

Total weight (kg) 2092.963

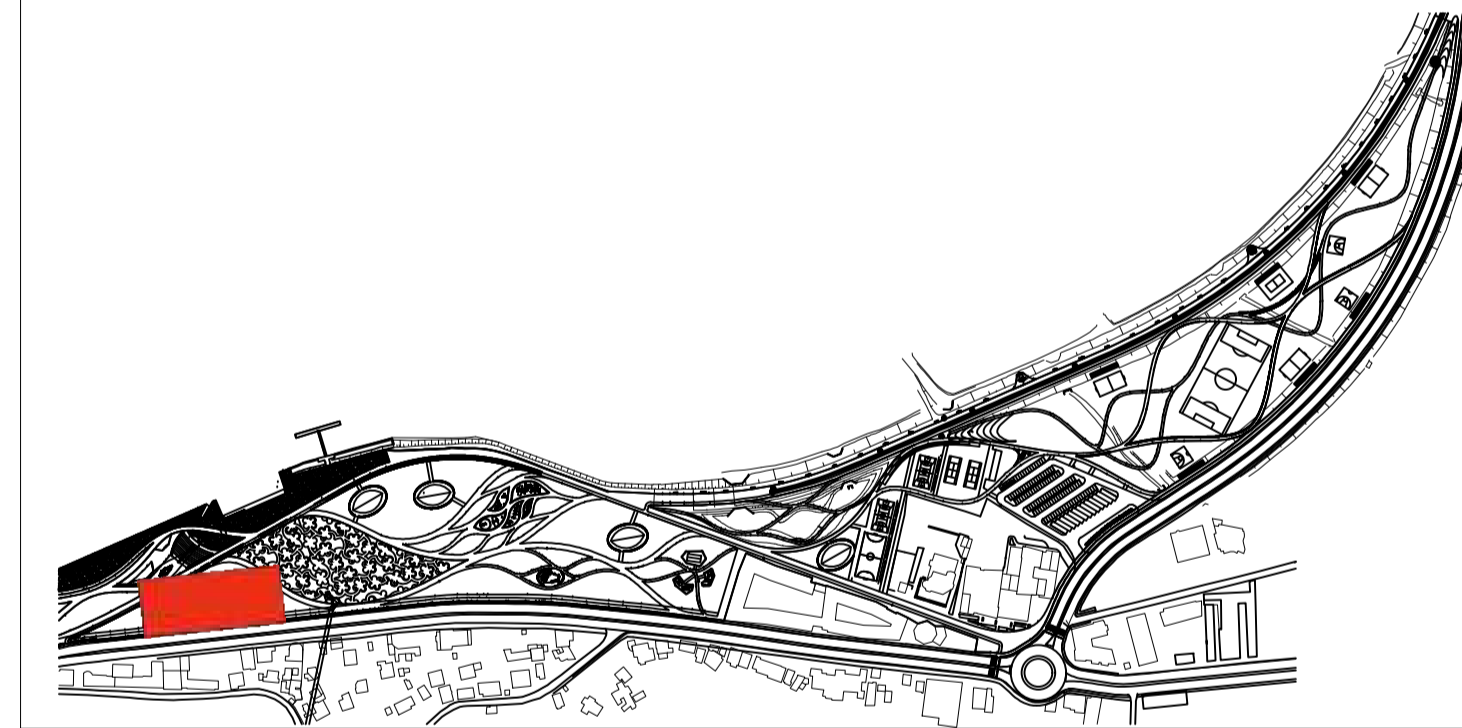
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR: GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJUEZUAR: POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

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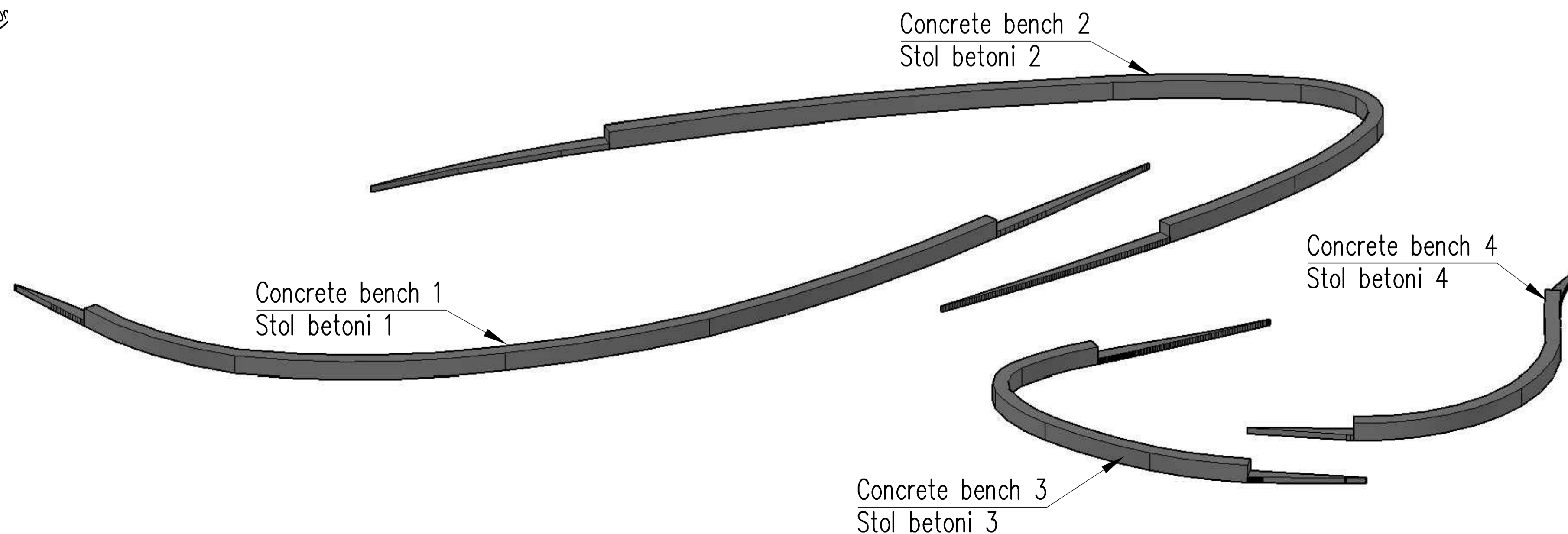
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DD-ST-UF-02		Fountain Structural Design	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:10	27-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

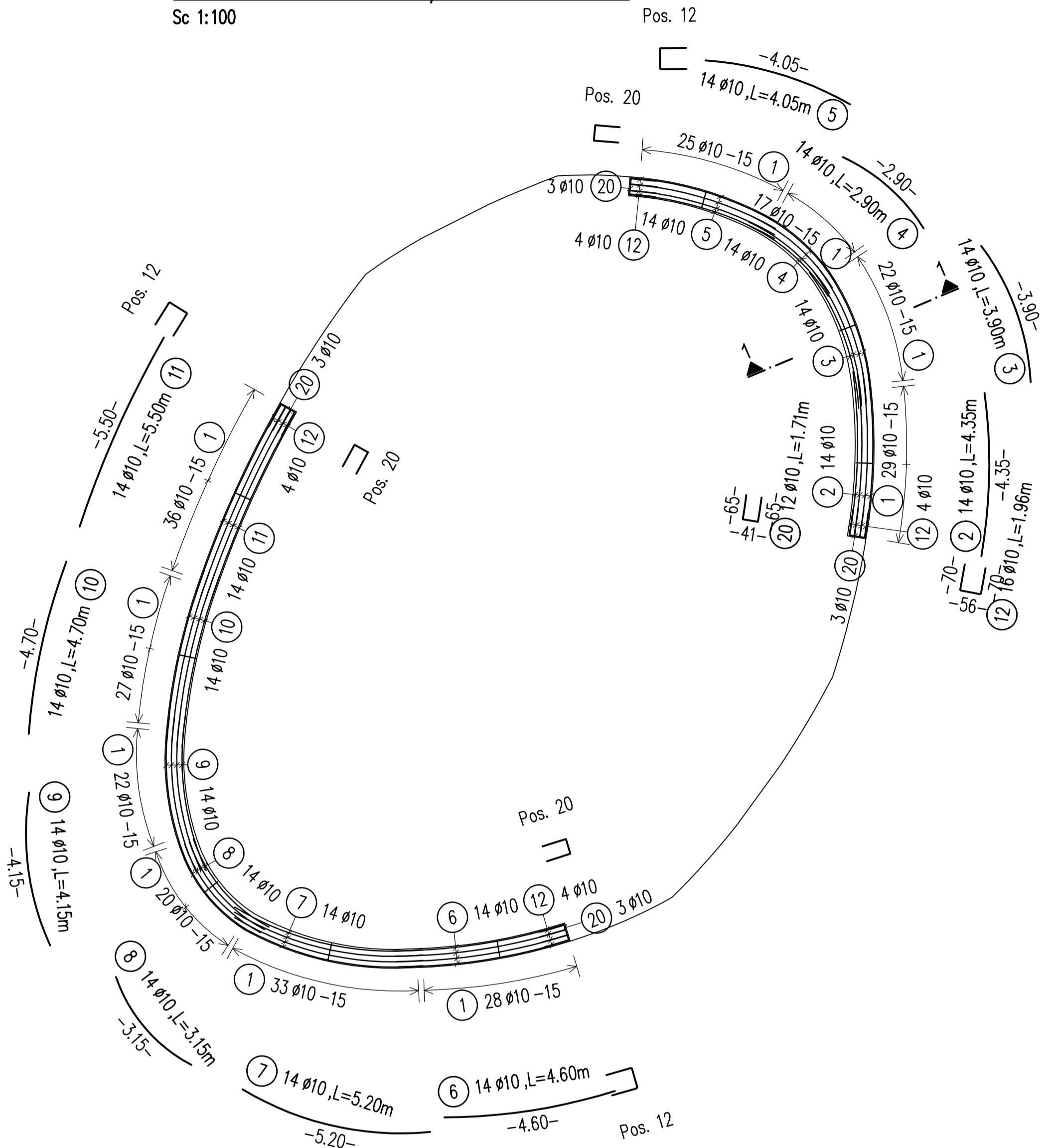
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contact@casanova-hernandez.com

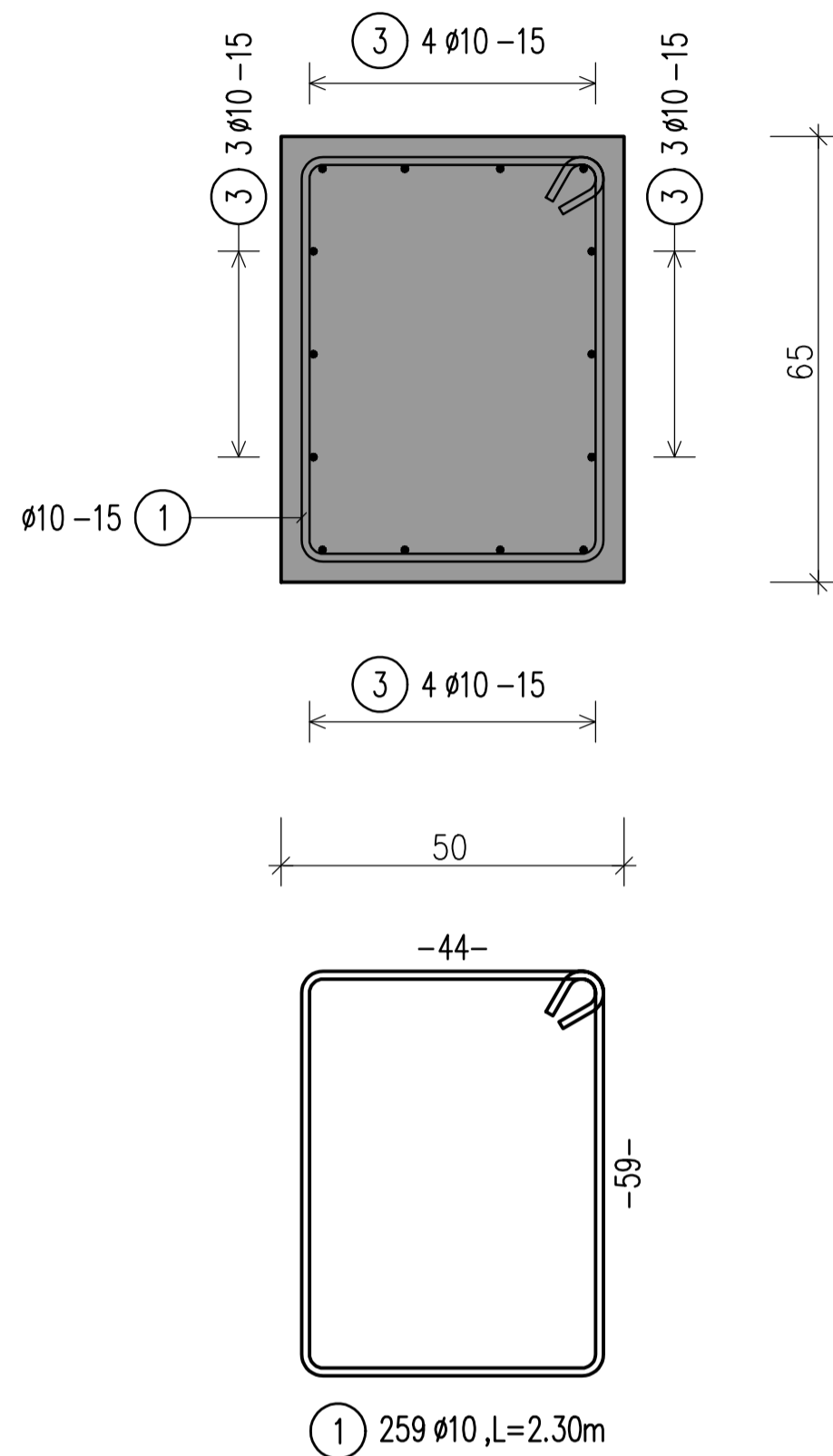




**PLANVIEW/PLANIMETRIA**  
**CONCRETE BENCH 1 /STOL BETONI 1**  
 Sc 1:100



**SECTION/PRERJA 1-1**  
 Sc 1:10



**BAR SCHEDULE** Steelgrade: B500B Component: Type 8

Pos.	No.	d	Length	Tot.L	Weight(kg)
13	378	10	2.30	869.40	536.420
14	48	10	1.81	86.88	53.605
15	36	10	7.50	270.00	166.590
16	36	10	9.15	329.40	203.240
17	12	10	8.70	104.40	64.415
18	12	10	8.15	97.80	60.343
19	48	10	2.26	108.48	66.932
Total steelqu.					
d(mm)				Tot.L	kg/m
10				1866.36	0.617
					1151.544
Total weight (kg)					1151.544

**BENDING SCHEDULE** Steelgrade: B500B Component: Type 8

Pos.	No.	d	Length	bar type	shape code	Tot.L	Weight kg																																				
13	378	10	2.30	4 B1	Hook length=10.5	869.40	536.420																																				
14	48	10	1.81	4 X1	91° 70 41° 70 89° 70	86.88	53.605																																				
<table border="1"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>γ°</th> <th>r</th> <th>chord</th> <th>from</th> <th>Angle</th> </tr> </thead> <tbody> <tr><td>1</td><td>-0.69</td><td>0.11</td><td>0.70</td><td>91</td><td>2.46</td><td>0.70</td><td>0.02</td><td>16</td></tr> <tr><td>2</td><td>0.00</td><td>-0.41</td><td>0.41</td><td>89</td><td>2.04</td><td>0.70</td><td>0.03</td><td>20</td></tr> <tr><td>3</td><td>0.68</td><td>-0.13</td><td>0.70</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								Nr.	dx	dy	l	γ°	r	chord	from	Angle	1	-0.69	0.11	0.70	91	2.46	0.70	0.02	16	2	0.00	-0.41	0.41	89	2.04	0.70	0.03	20	3	0.68	-0.13	0.70					
Nr.	dx	dy	l	γ°	r	chord	from	Angle																																			
1	-0.69	0.11	0.70	91	2.46	0.70	0.02	16																																			
2	0.00	-0.41	0.41	89	2.04	0.70	0.03	20																																			
3	0.68	-0.13	0.70																																								
15	36	10	7.50	4 X1	7.50	270.00	166.590																																				
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Nr.	dx	dy	l	γ°	r	chord	from	Angle																																			
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16	36	10	9.15	4 X1	9.15	329.40	203.240																																				
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17	12	10	8.70	4 X1	8.70	104.40	64.415																																				
<table border="1"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>γ°</th> <th>r</th> <th>chord</th> <th>from</th> <th>Angle</th> </tr> </thead> <tbody> <tr><td>1</td><td>4.48</td><td>0.35</td><td>8.70</td><td></td><td>2.34</td><td>4.49</td><td>3.00</td><td>213</td></tr> </tbody> </table>								Nr.	dx	dy	l	γ°	r	chord	from	Angle	1	4.48	0.35	8.70		2.34	4.49	3.00	213																		
Nr.	dx	dy	l	γ°	r	chord	from	Angle																																			
1	4.48	0.35	8.70		2.34	4.49	3.00	213																																			
18	12	10	8.15	4 X1	8.15	97.80	60.343																																				
<table border="1"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>γ°</th> <th>r</th> <th>chord</th> <th>from</th> <th>Angle</th> </tr> </thead> <tbody> <tr><td>1</td><td>4.19</td><td>0.33</td><td>8.15</td><td></td><td>2.19</td><td>4.20</td><td>2.82</td><td>213</td></tr> </tbody> </table>								Nr.	dx	dy	l	γ°	r	chord	from	Angle	1	4.19	0.33	8.15		2.19	4.20	2.82	213																		
Nr.	dx	dy	l	γ°	r	chord	from	Angle																																			
1	4.19	0.33	8.15		2.19	4.20	2.82	213																																			
19	48	10	2.26	4 X1	64° 56 116°	108.48	66.932																																				
<table border="1"> <thead> <tr> <th>Nr.</th> <th>dx</th> <th>dy</th> <th>l</th> <th>γ°</th> <th>r</th> <th>chord</th> <th>from</th> <th>Angle</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.23</td><td>-0.81</td><td>0.85</td><td>64</td><td>2.46</td><td>0.85</td><td>0.04</td><td>20</td></tr> <tr><td>2</td><td>0.56</td><td>0.00</td><td>0.56</td><td>116</td><td>2.46</td><td>0.85</td><td>0.04</td><td>20</td></tr> <tr><td>3</td><td>-0.23</td><td>0.81</td><td>0.85</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								Nr.	dx	dy	l	γ°	r	chord	from	Angle	1	0.23	-0.81	0.85	64	2.46	0.85	0.04	20	2	0.56	0.00	0.56	116	2.46	0.85	0.04	20	3	-0.23	0.81	0.85					
Nr.	dx	dy	l	γ°	r	chord	from	Angle																																			
1	0.23	-0.81	0.85	64	2.46	0.85	0.04	20																																			
2	0.56	0.00	0.56	116	2.46	0.85	0.04	20																																			
3	-0.23	0.81	0.85																																								

Total weight (kg) 1151.544

<b>BOND CONDITIONS/ KUSHTET E ADERENCËS</b>	<b>STEEL GRADE/ KLASA E ÇELIKUT</b>	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	<b>MANDREL DIAMETER/ DIAMETRI I KTHIMIT</b>	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

<b>CONCRETE CLASS/KLASA E BETONI</b>	C25/30
<b>EXPOSURE CLASS/KLASA E EKSPOZIMIT</b>	XC4; XD2; XF1; XA1
<b>CONCRETE COVER/SHTRESA MBROJTESE</b>	$c_{min} = 20\text{mm}; c_{nom} = 30\text{mm}$

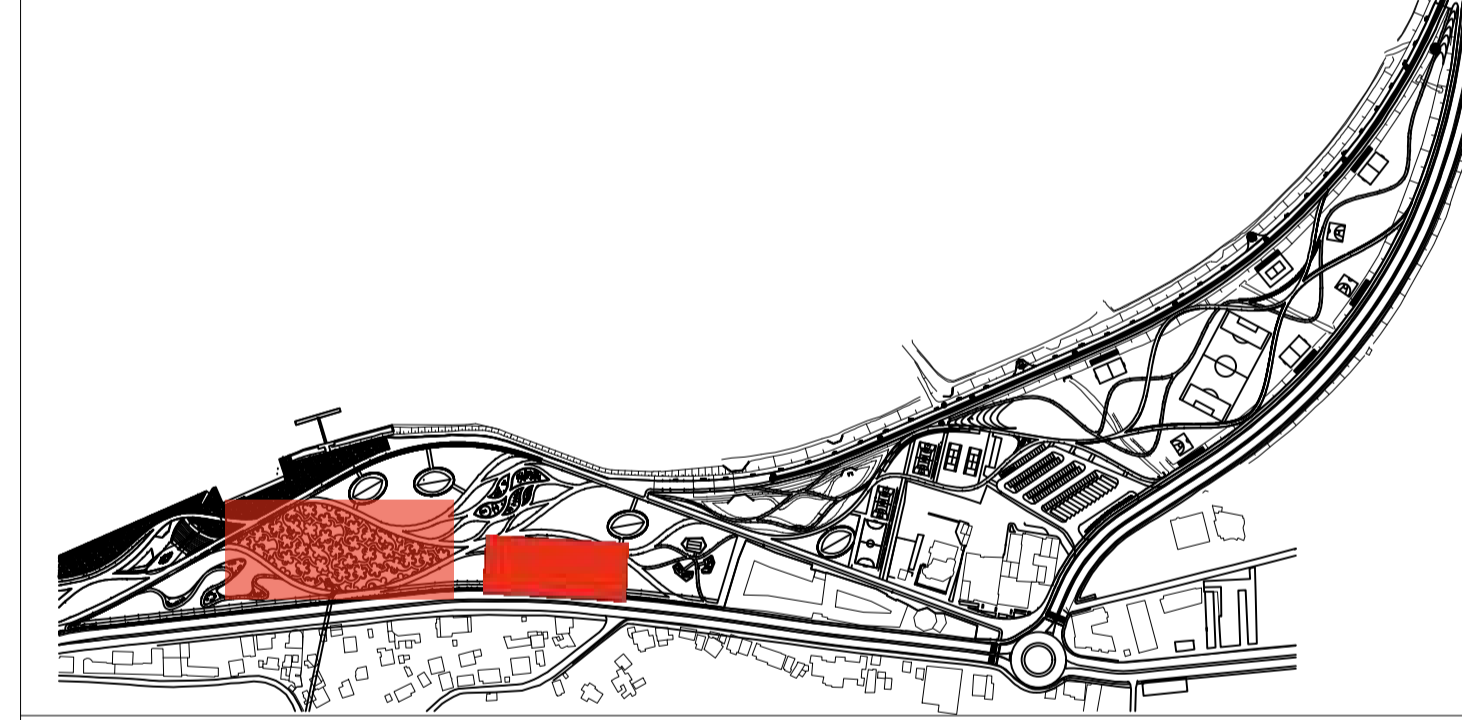
**LAP LENGTH/GJATËSIA E XHUNTIMIT**

<b>BOND CONDITIONS/ADERENCA:</b>	GOOD/E MIRË						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C25/30</b>	483	604	725	967	1208	1510	1933

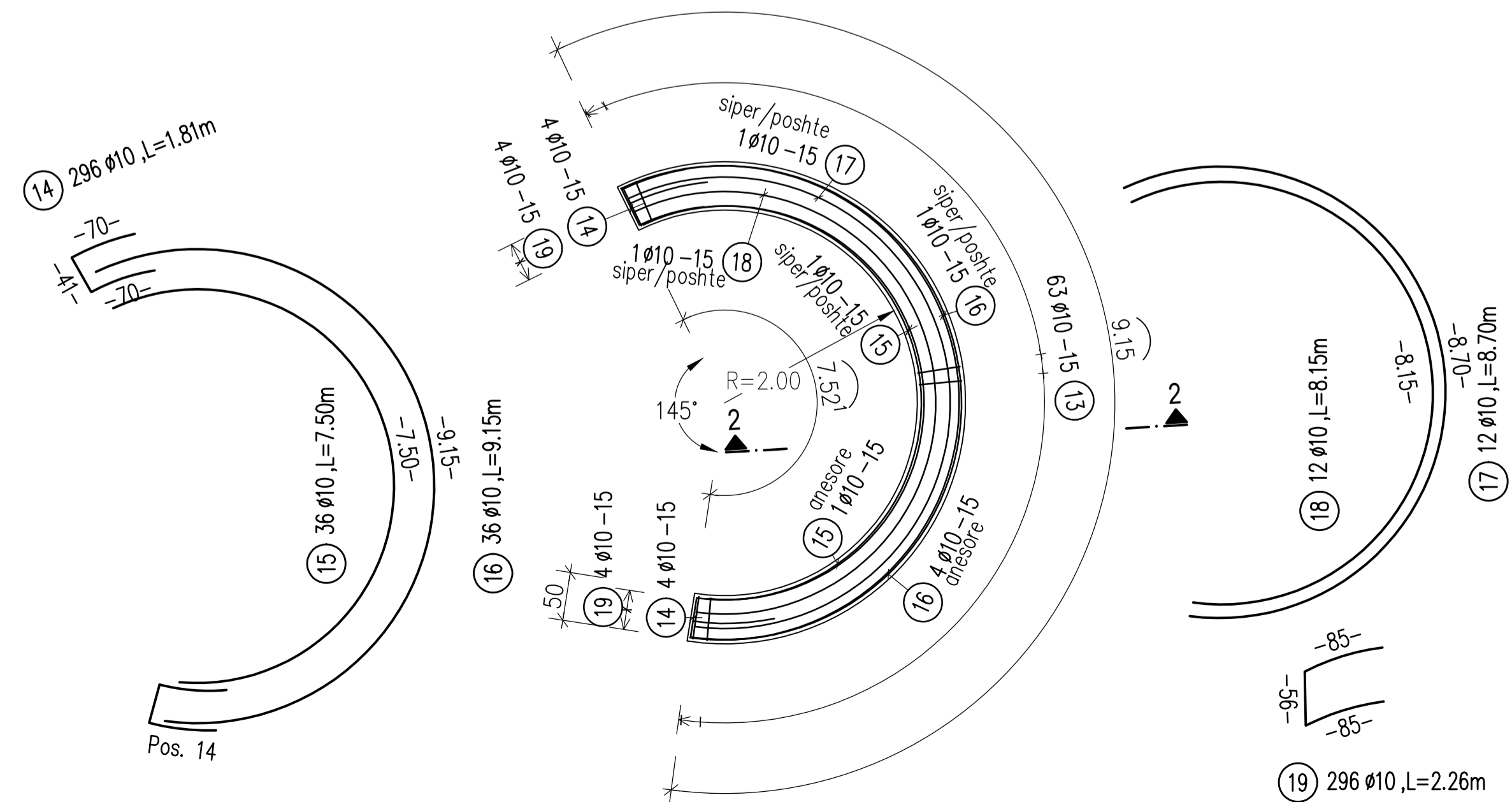
**LAP LENGTH/GJATËSIA E XHUNTIMIT**

<b>BOND CONDITIONS/ADERENCA:</b>	POOR/E KEQE						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C25/30</b>	690	863	1036	1381	1726	2158	2762

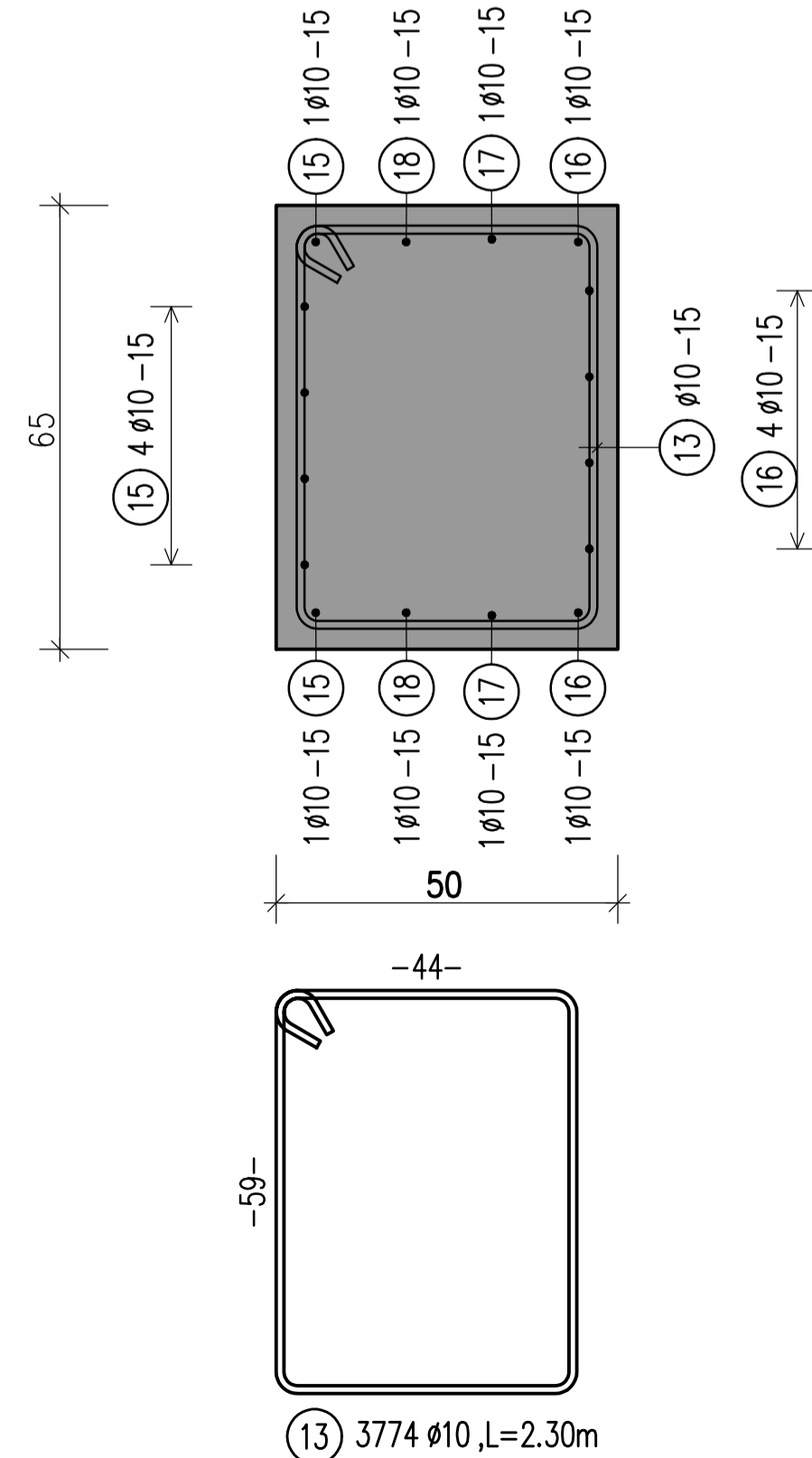
- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



**PLANVIEW/PLANIMETRIA**  
**CONCRETE BENCH 2 /STOL BETONI 2**  
 Type/Tip 8-6 Pieces/Cope  
 Sc 1:50



**SECTION/PRERJA 2-2**  
 Sc 1:10



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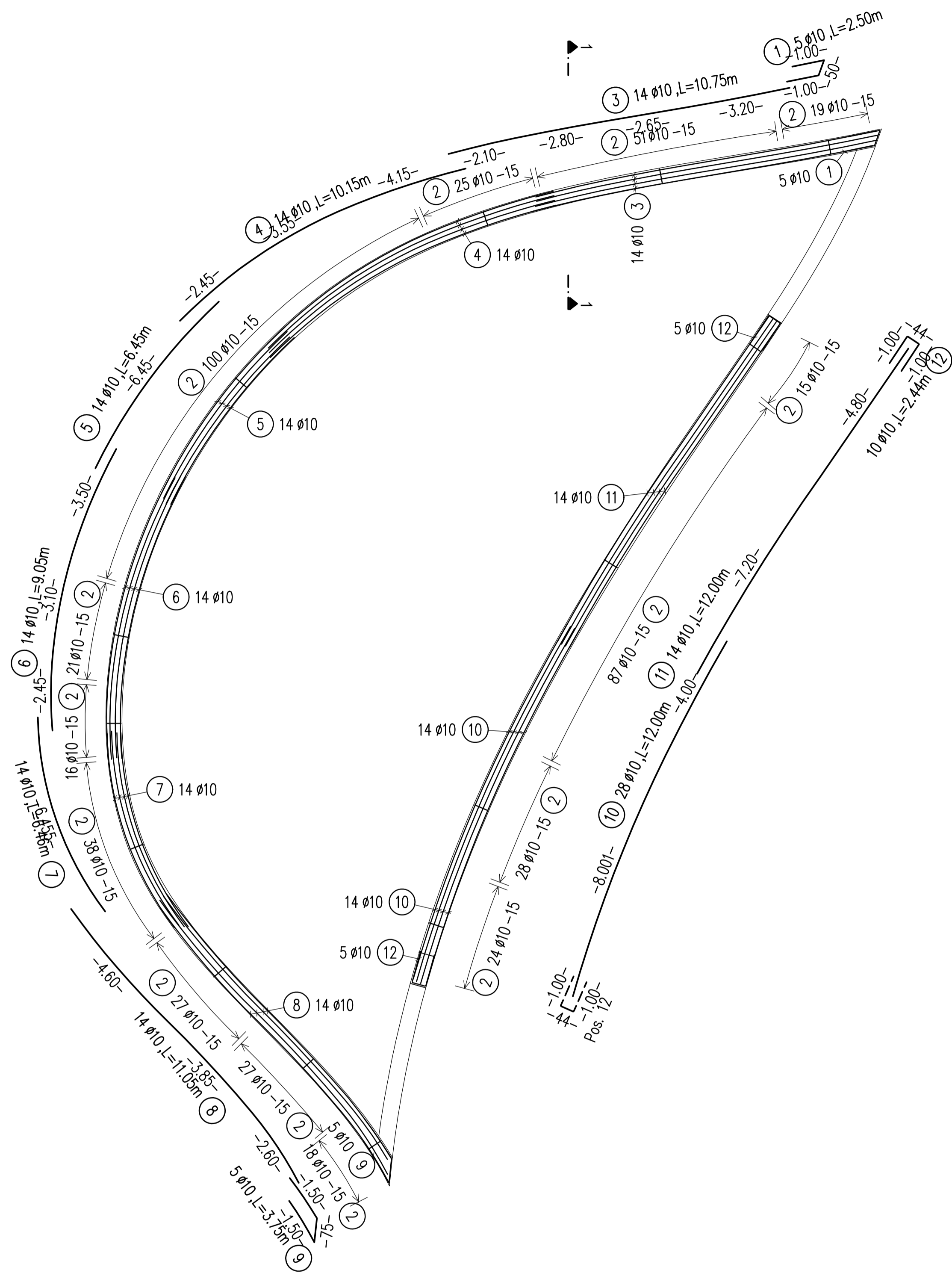
SRP Albanian Engineering s.h.p.k.  
 NIUIS L81728013G  
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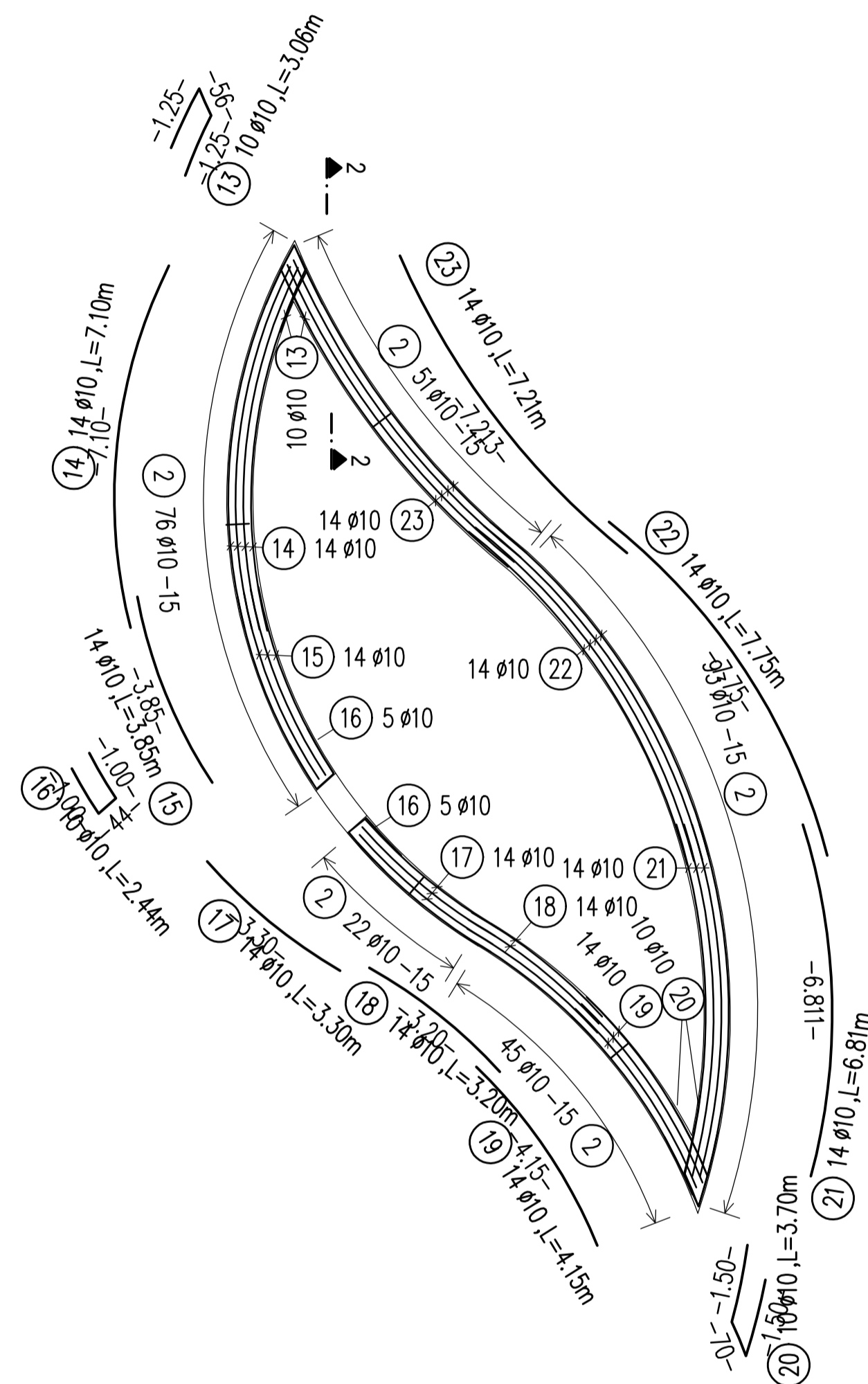
<b>DD-ST-UF-03</b>		<b>Urban Furniture</b>	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:10	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



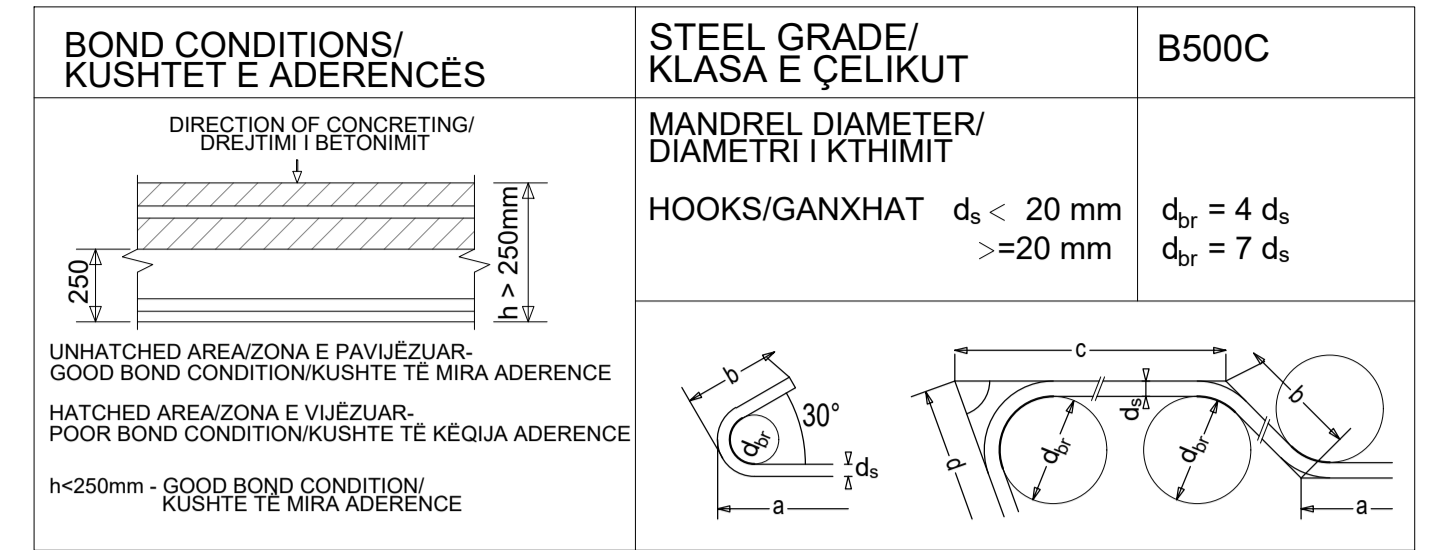
PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 1/STOL BETONI 1  
Sc 1:100



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 3/STOL BETONI 3  
Sc 1:100



BENDING SCHEDULE		Steel grade: B500C	
Bar No.	Length	Shape code	Total Weight
1	5.10	1.00	10.50
2	13.00	1.00	27.00
3	14.10	1.00	28.40
4	14.10	1.00	28.40
5	14.10	1.00	28.40
6	14.10	1.00	28.40
7	14.10	1.00	28.40
8	14.10	1.00	28.40
9	14.10	1.00	28.40
10	14.10	1.00	28.40
11	14.10	1.00	28.40
12	14.10	1.00	28.40
13	14.10	1.00	28.40
14	14.10	1.00	28.40
15	14.10	1.00	28.40
16	14.10	1.00	28.40
17	14.10	1.00	28.40
18	14.10	1.00	28.40
19	14.10	1.00	28.40
20	14.10	1.00	28.40
21	14.10	1.00	28.40
22	14.10	1.00	28.40
23	14.10	1.00	28.40
24	14.10	1.00	28.40
25	14.10	1.00	28.40
26	14.10	1.00	28.40
27	14.10	1.00	28.40
28	14.10	1.00	28.40
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30	14.10	1.00	28.40

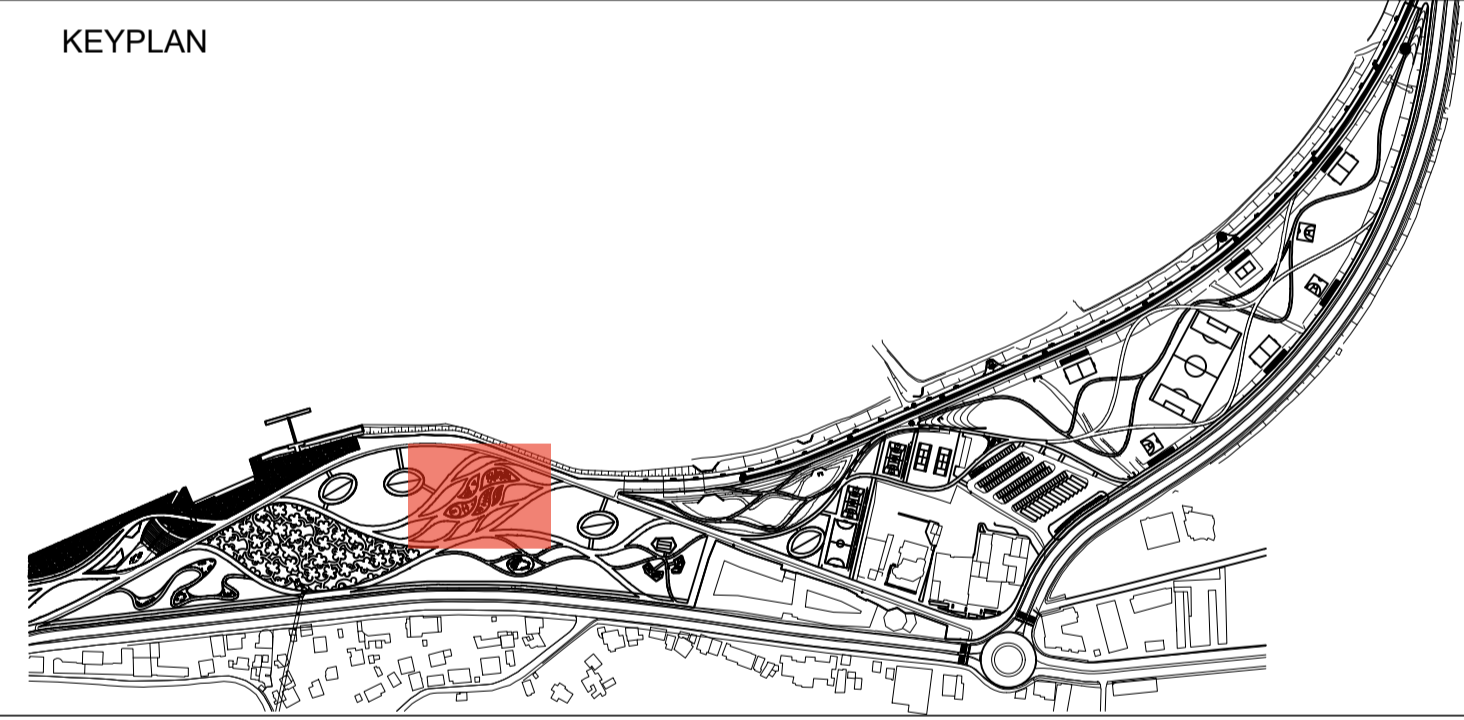


CONCRETE CLASS/KLASA E BETONI	C30/37
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20mm$ ; $c_{nom} = 30mm$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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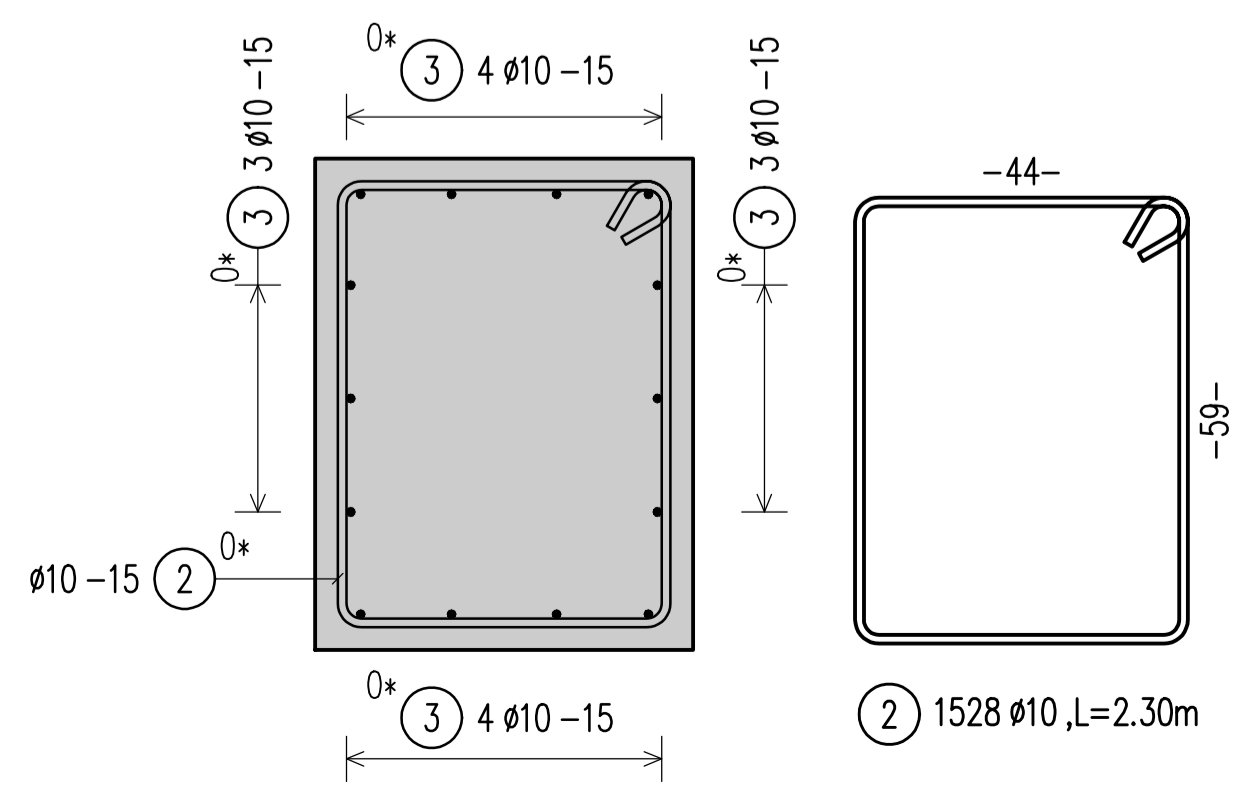
SRP Albanian Engineering s.h.p.k.  
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Contact person: Blerim Kurti  
Rrugja Tom Piazha, Pallati Klensi, Shkalla 4, Kati 1, Ap. 2, Yzbershit, Tiranë 1051, Albania  
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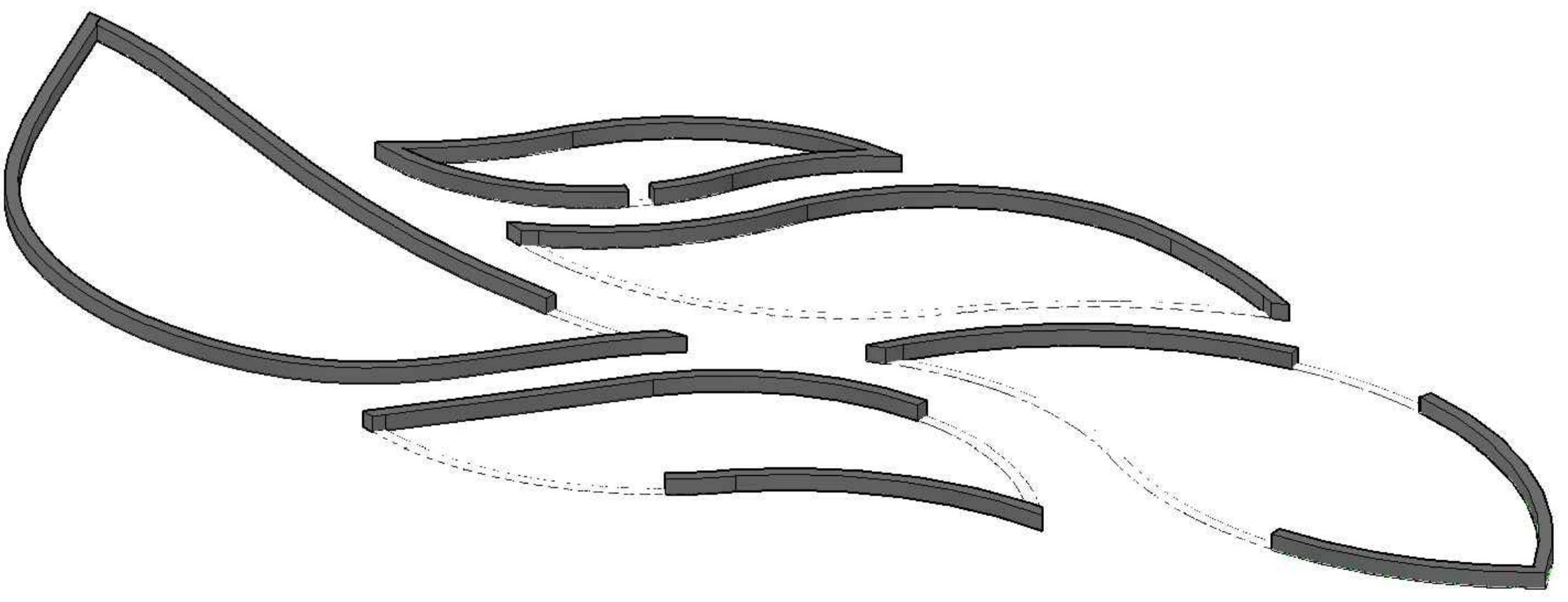
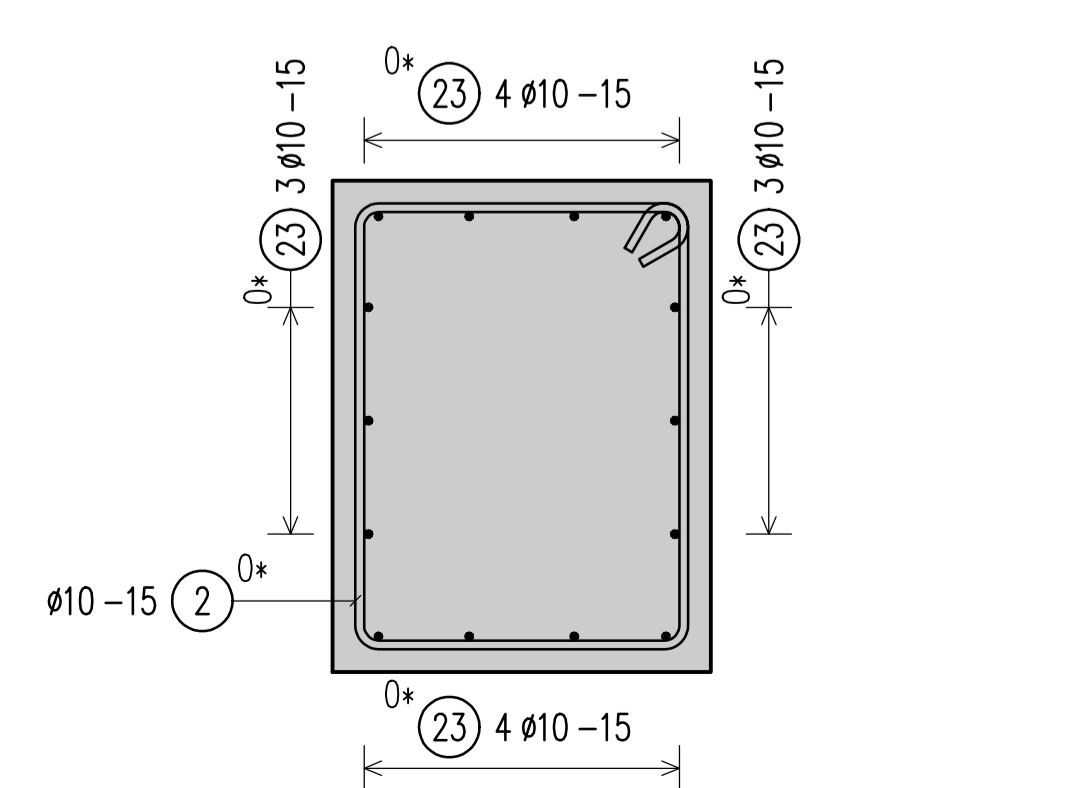
DD-ST-UF-04		Urban Furniture - Bench 1 & 3 (L07)	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

casanova+hernandez architects  
SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k.

SECTION/PRERJJA 1-1 M 1:10

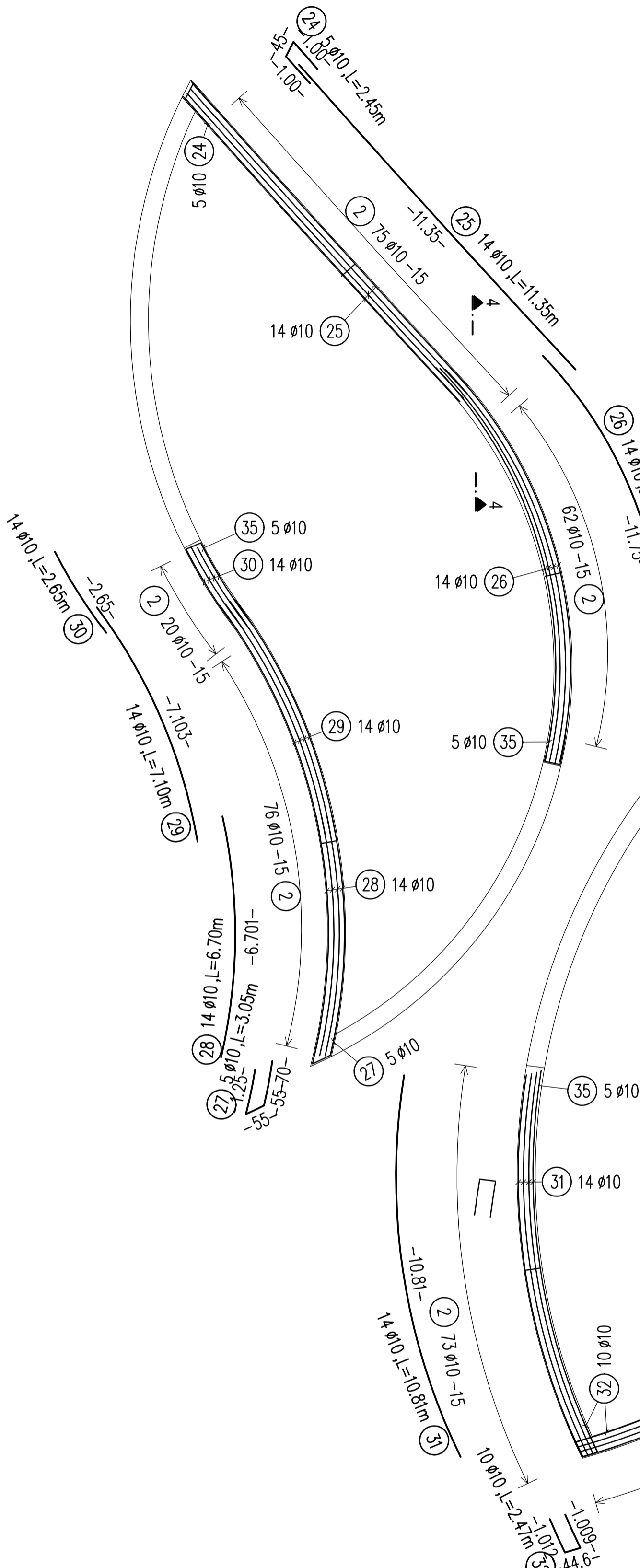


SECTION/PRERJJA 2-2 M 1:10

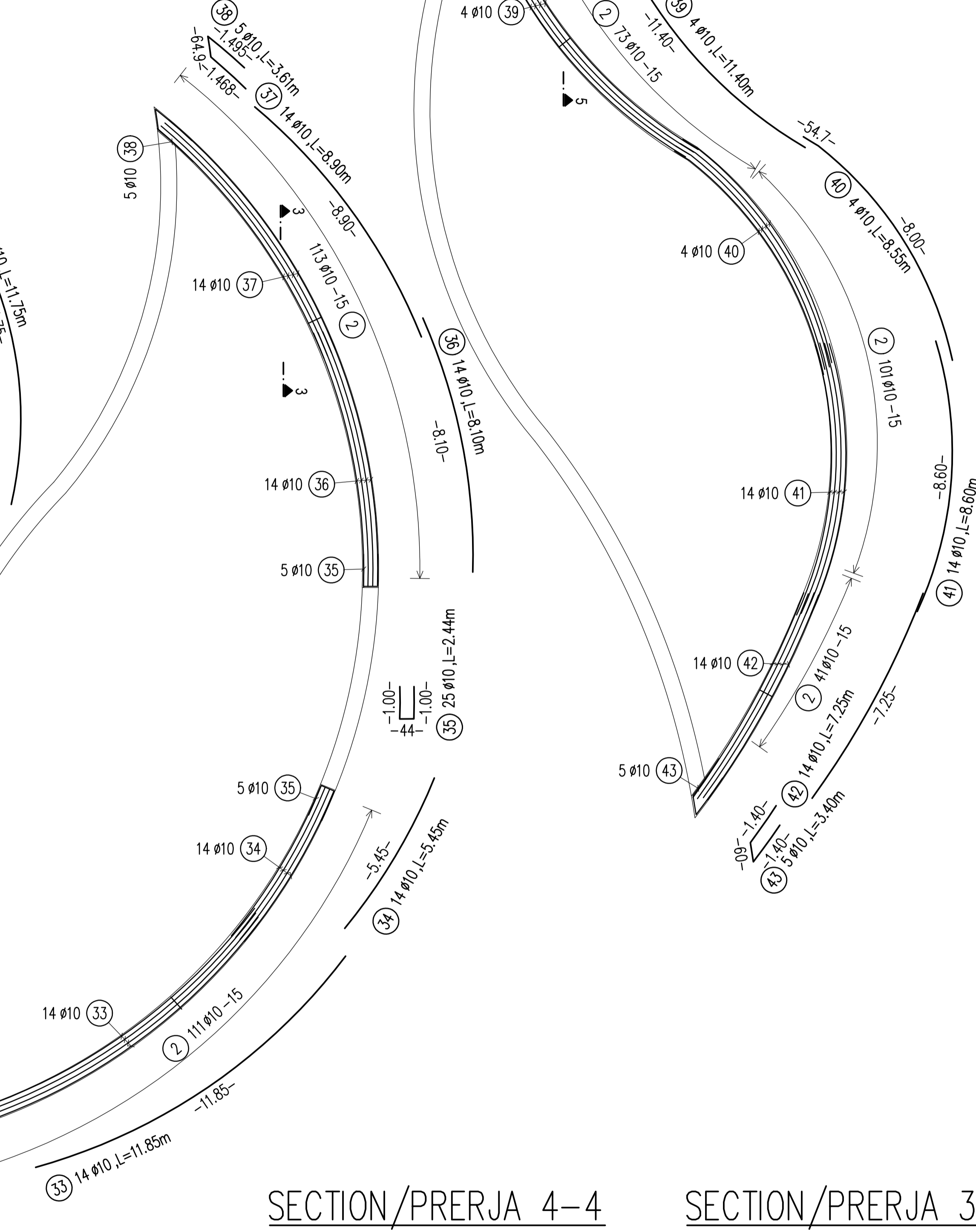




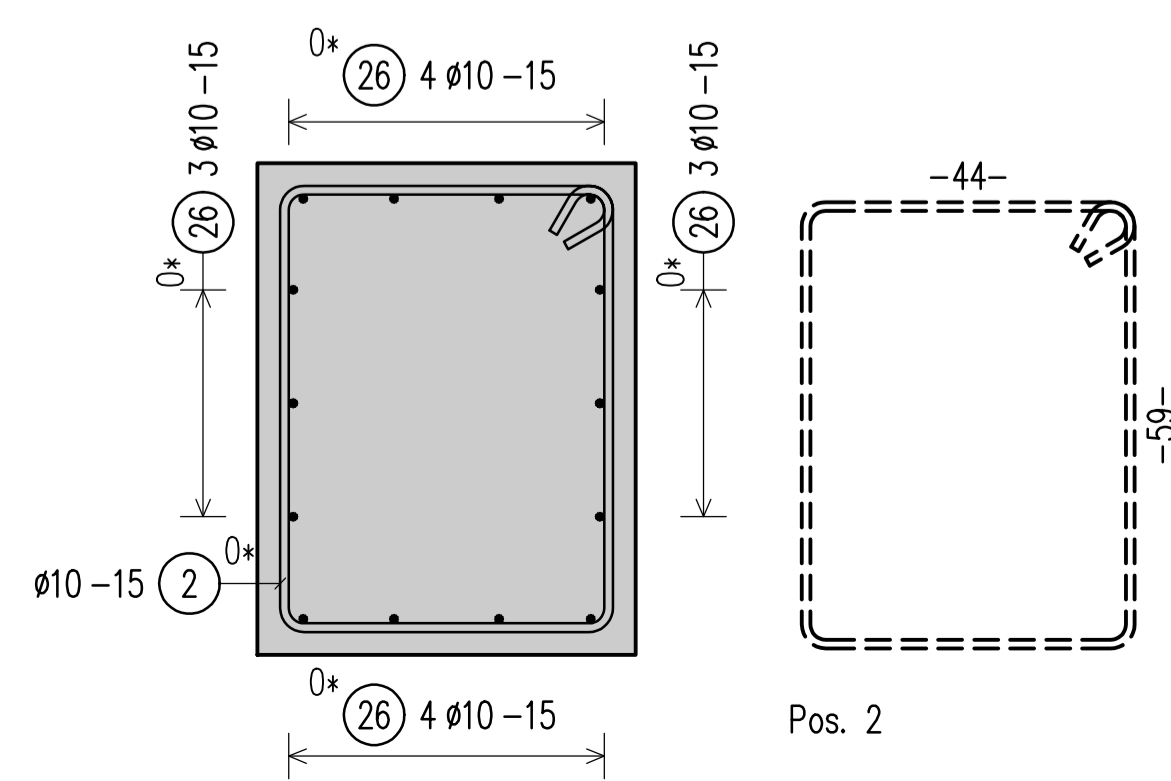
**PLANVIEW/PLANIMETRIA**  
**CONCRETE BENCH 2/STOL BETONI 2**  
 Sc 1:100



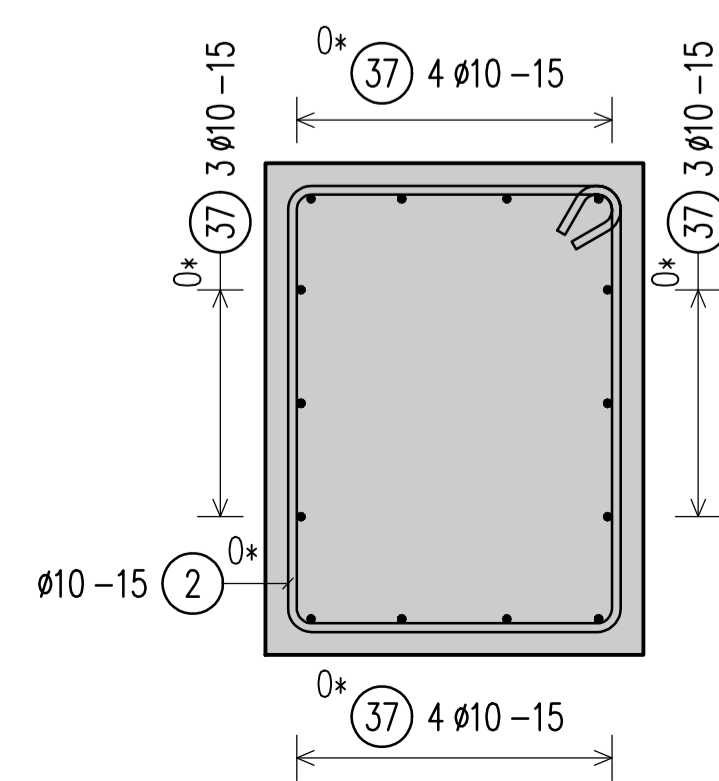
**PLANVIEW/PLANIMETRIA**  
**CONCRETE BENCH 5/STOL BETONI 5**  
 Sc 1:100



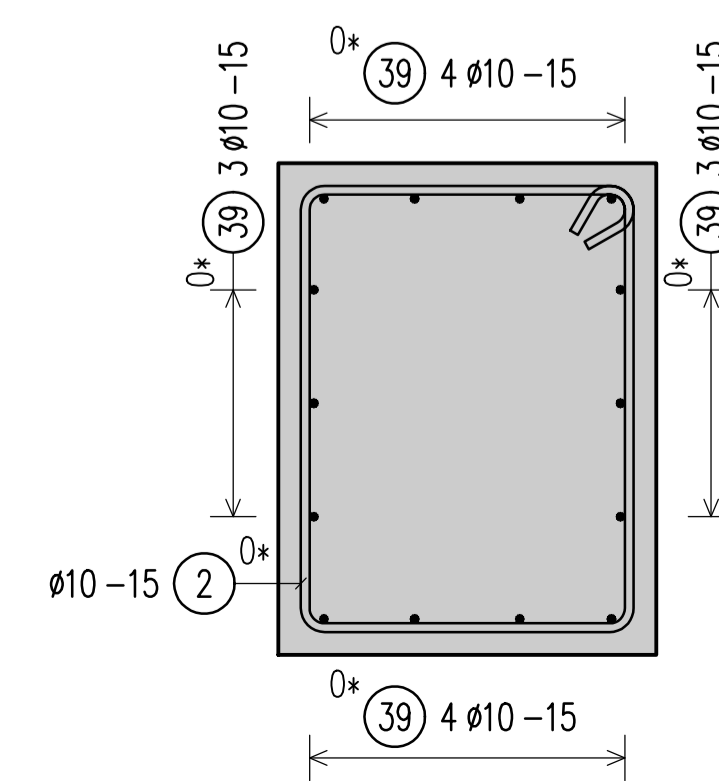
**SECTION/PRERJA 4-4**  
 M 1:10



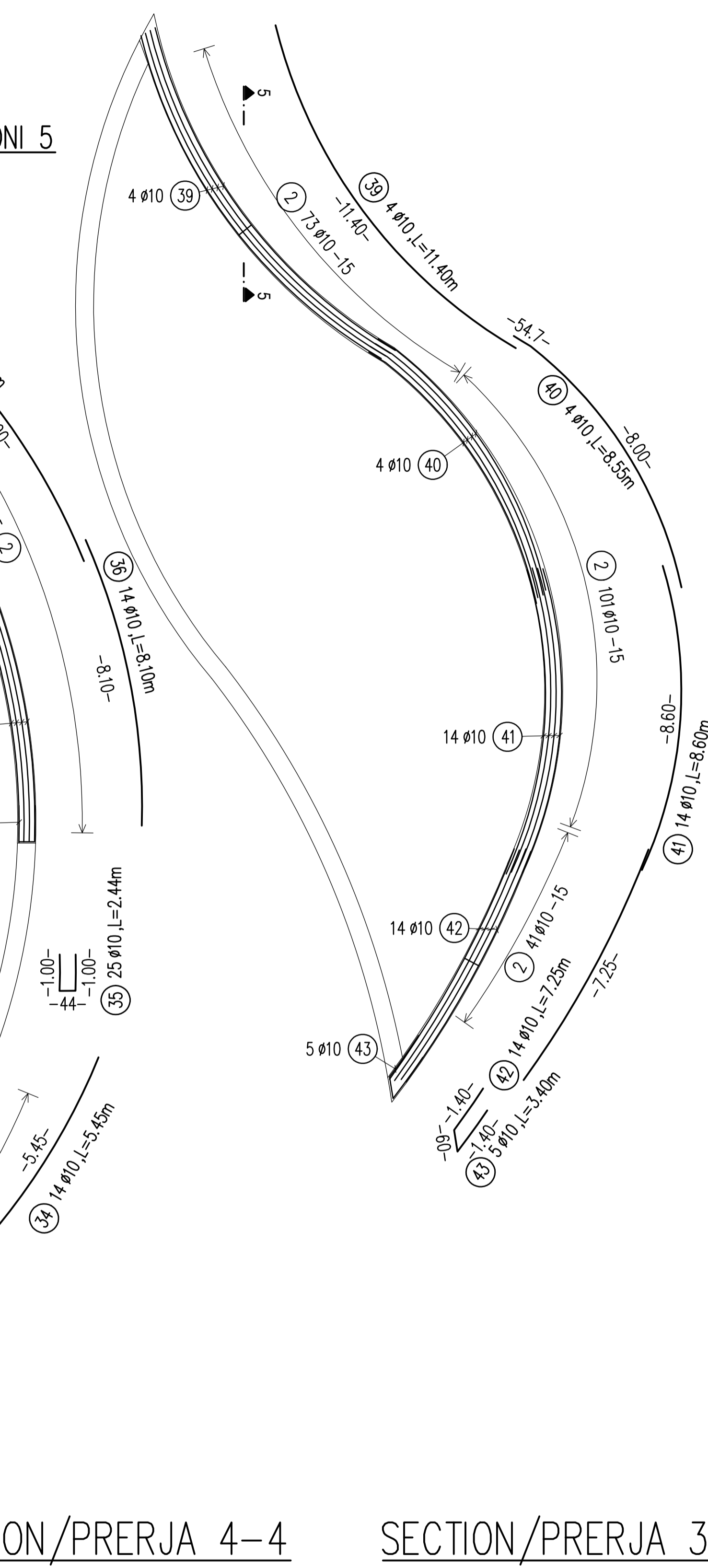
**SECTION/PRERJA 3-3**  
 M 1:10



**SECTION/PRERJA 5-5**  
 M 1:10



**PLANVIEW/PLANIMETRIA**  
**CONCRETE BENCH 4/STOL BETONI 4**  
 Sc 1:100



**BENDING SCHEDULE** Steiggrade: B500B

Pos. No.	q	Length	Bar	shape code	Vol.	Weight
24	5	10	4	1.83	12.25	7.208
25	14	10	4	11.35	138.76	98.841
26	14	10	4	11.75	144.58	101.496
27	5	10	4	1.25	15.25	9.849
28	14	10	4	11.75	138.76	98.841
29	14	10	4	11.35	138.76	98.841
30	14	10	4	11.35	138.76	98.841
31	14	10	4	11.35	138.76	98.841
32	10	10	4	1.81	14.78	9.244
33	14	10	4	11.35	138.76	98.841
34	14	10	4	11.35	138.76	98.841
35	5	10	4	1.81	14.78	9.244
36	14	10	4	11.35	138.76	98.841
37	14	10	4	11.35	138.76	98.841
38	5	10	4	1.81	14.78	9.244
39	4	10	4	1.40	11.35	7.208
40	4	10	4	1.40	11.35	7.208
41	14	10	4	11.35	138.76	98.841
42	14	10	4	11.35	138.76	98.841
43	5	10	4	1.40	11.35	7.208
44	5	10	4	1.40	11.35	7.208

Total weight (kg): 410.415

<b>BOND CONDITIONS/ KUSHTET E ADERENCËS</b>	<b>STEEL GRADE/ KLASA E ÇELIKUT</b>	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLËZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		$d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

<b>CONCRETE CLASS/KLASA E BETONI</b>	C30/37
<b>EXPOSURE CLASS/KLASA E EKSPOZIMIT</b>	XC4; XD2; XF1; XA1
<b>CONCRETE COVER/SHTRESA MBROJTESE</b>	$c_{min} = 20\text{mm}; c_{nom} = 30\text{mm}$

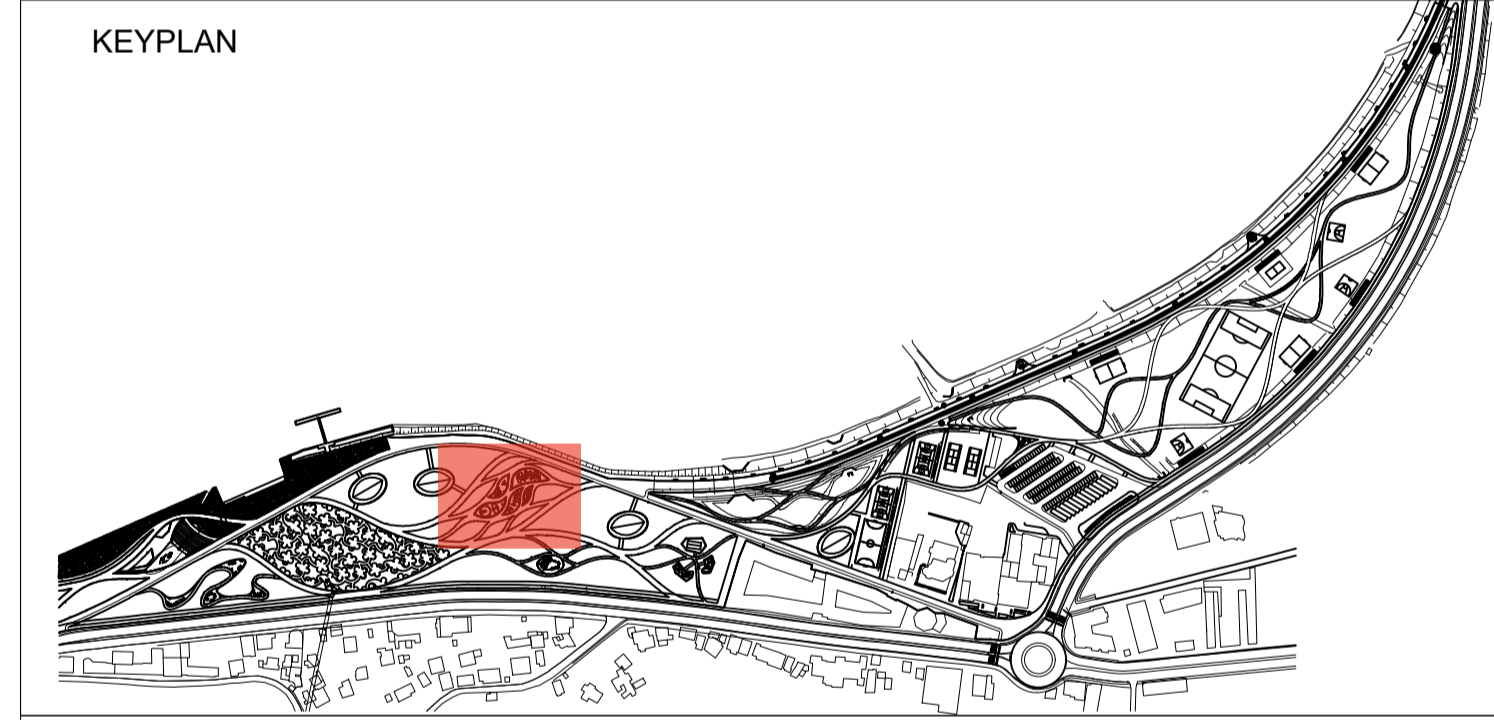
**LAP LENGTH/GJATËSIA E XHUNTIMIT**

<b>BOND CONDITIONS/ADERENCA:</b>	GOOD/E MIRË						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C30/37</b>	435	544	653	870	1088	1359	1740

**LAP LENGTH/GJATËSIA E XHUNTIMIT**

<b>BOND CONDITIONS/ADERENCA:</b>	POOR/E KEQE						
<b>DIAMETER/DIAMETRI</b>	8	10	12	16	20	25	32
<b>CONCRETE CLASS/BETONI C30/37</b>	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
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- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
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- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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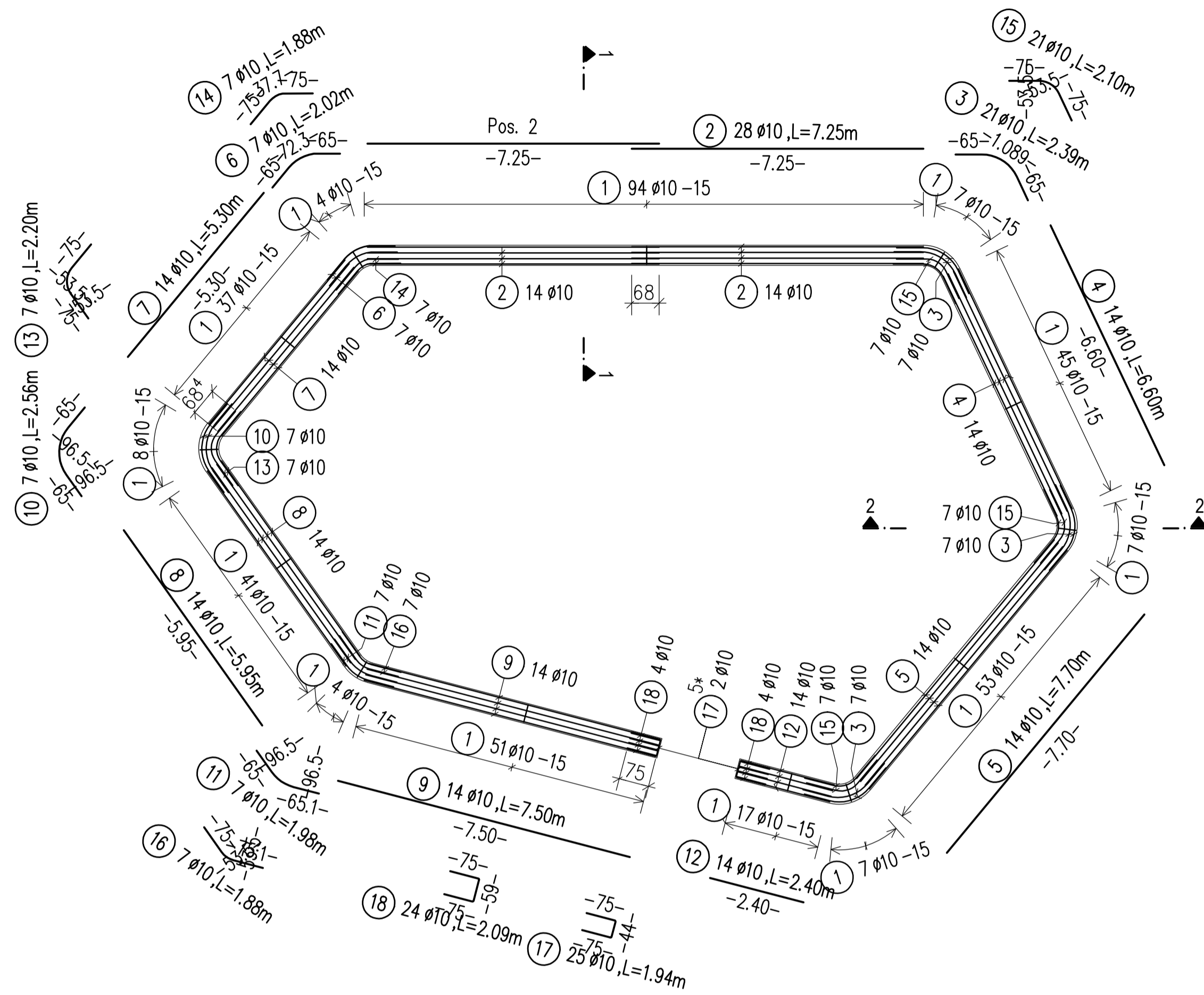
**SRP Albanian Engineering s.h.p.k.**  
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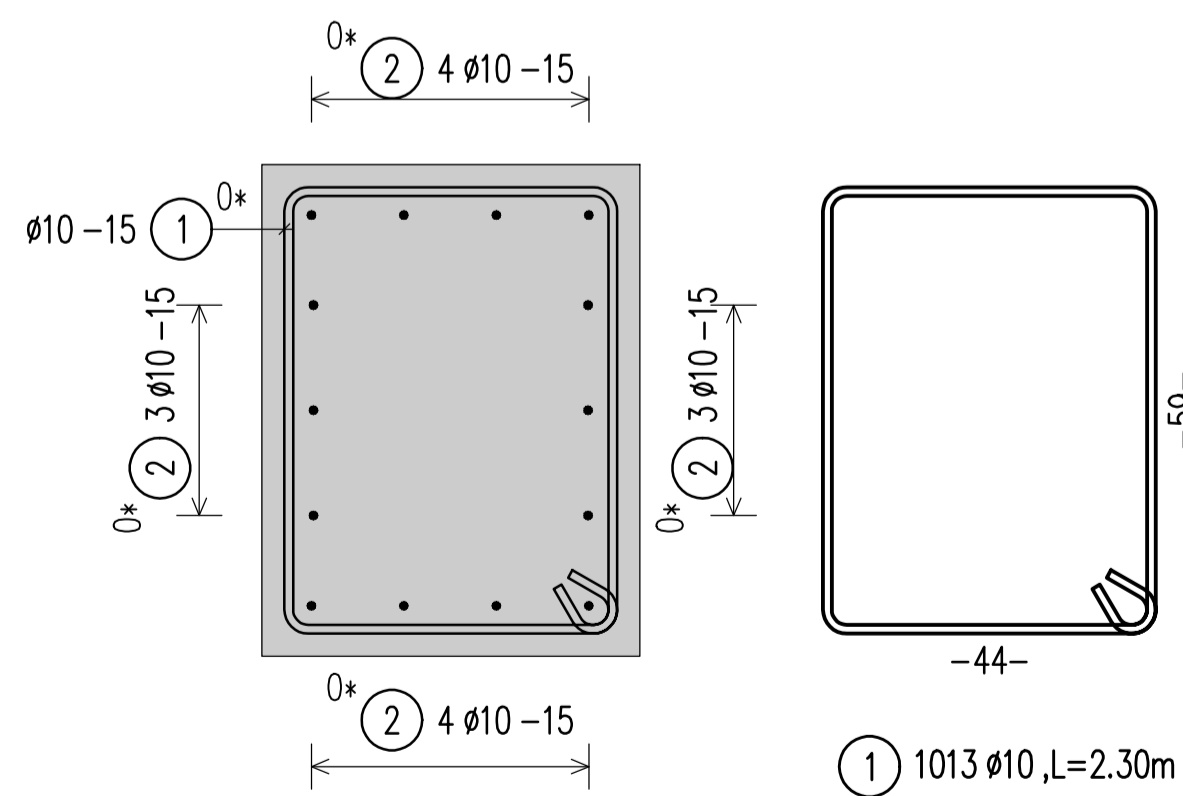
<b>DD-ST-UF-05</b>		Urban Furniture - Bench 2 & 4 (L07)	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



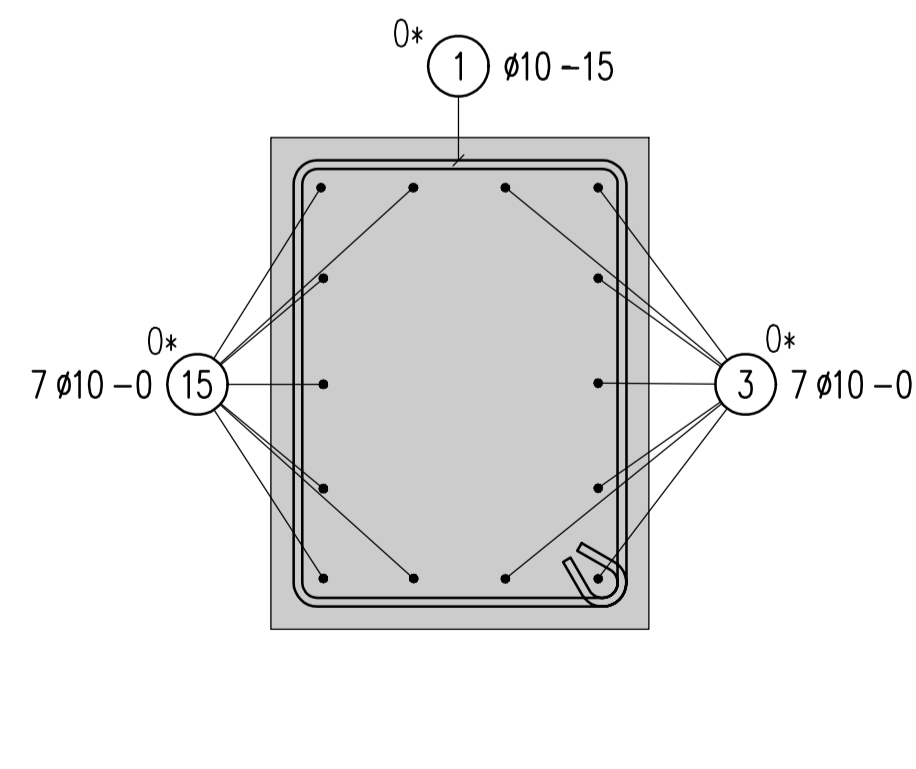
PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 1/STOL BETONI 1  
Sc 1:100



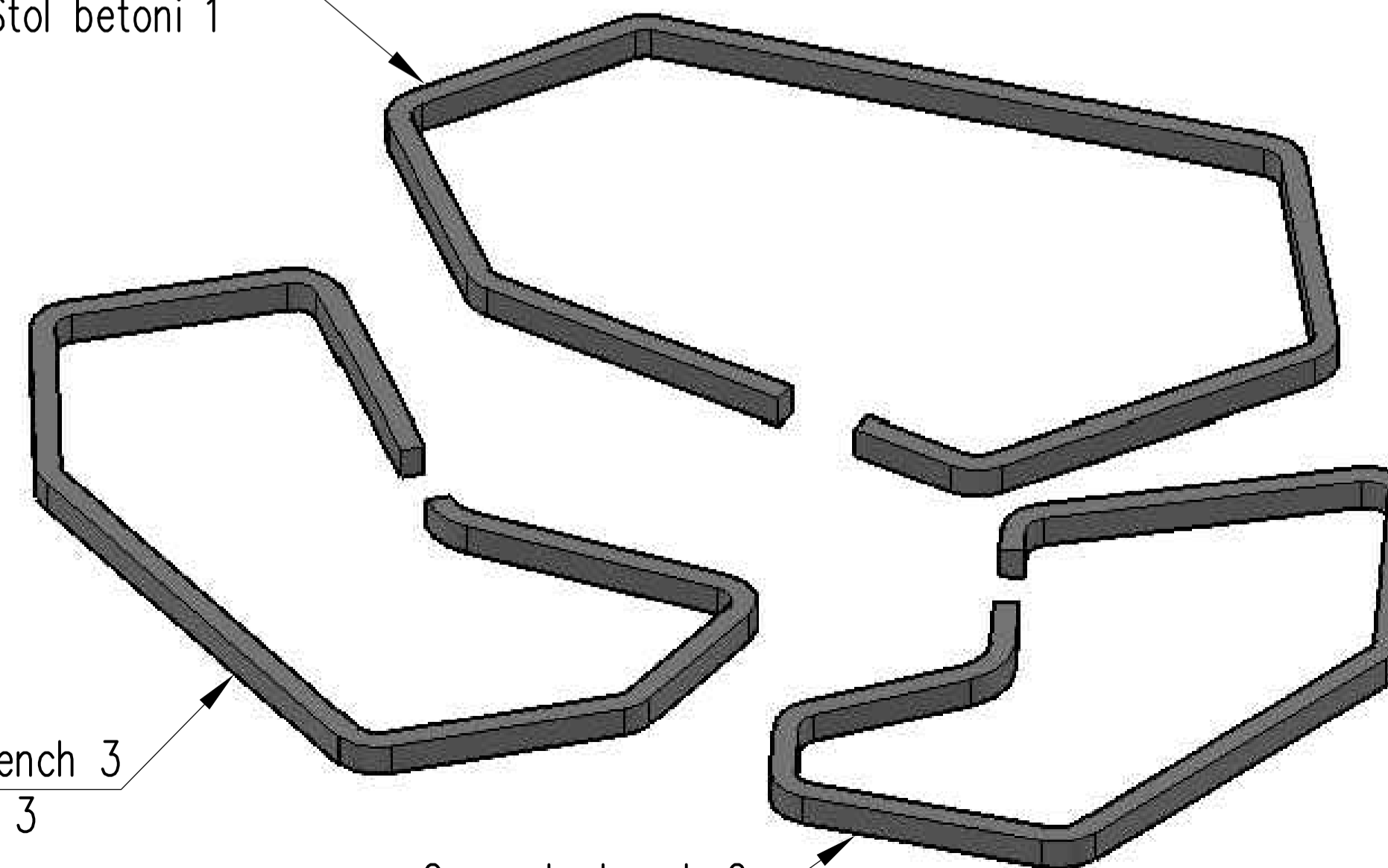
SECTION/PRERJA 1-1  
SC 1:10



SECTION/PRERJA 2-2  
SC 1:10



Concrete bench 1  
Stol betoni 1



Concrete bench 3  
Stol betoni 3

Concrete bench 2  
Stol betoni 2

BENDING SCHEDULE Steelgrade: B500B									
Pos. No.	d	Length	dbr/ds	type	shape code	Tot. L	Weight kg		
1	1013	10	2.30	4 B1	Hook length=10.5	2329.90	1437.548		
2	28	10	7.25	4 A1	7.25	203.00	125.251		
3	21	10	2.39	4 X1	65° 1.89	50.19	30.967		
4	14	10	6.60	4 A1	6.60	92.40	57.011		
5	14	10	7.70	4 A1	7.70	107.80	66.513		
6	7	10	2.02	4 X1	65° 7° 1.65	14.14	8.724		
7	14	10	5.30	4 A1	5.30	74.20	45.781		
8	14	10	5.95	4 A1	5.95	83.30	51.396		
9	14	10	7.50	4 A1	7.50	105.00	64.785		
10	7	10	2.56	4 E2	65° 1.26	17.92	11.057		
11	7	10	1.98	4 E2	65° 67° 65°	13.86	8.552		
12	14	10	2.40	4 A1	2.40	33.60	20.731		
13	7	10	2.20	4 E2	75° 70° 75°	15.40	9.502		
14	7	10	1.88	4 X1	75° -0.98° -10°	13.16	8.120		
15	21	10	2.10	4 E2	75° 60° 75°	44.10	27.210		
16	7	10	1.88	4 E2	75° 37° 75°	13.16	8.120		
17	25	10	1.94	4 A3	75°	48.50	29.924		
18	24	10	2.09	4 A3	75°	50.16	30.949		

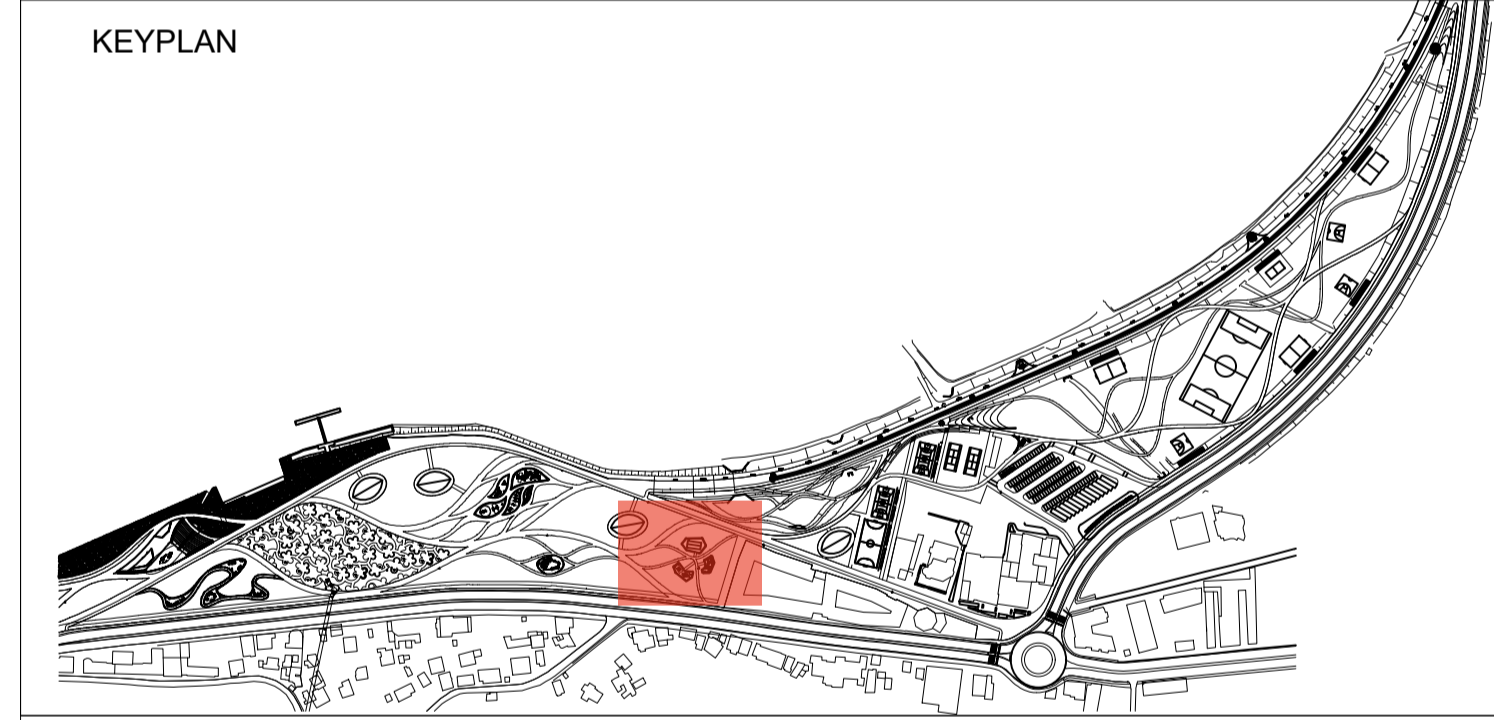
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{br} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLËZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C30/37
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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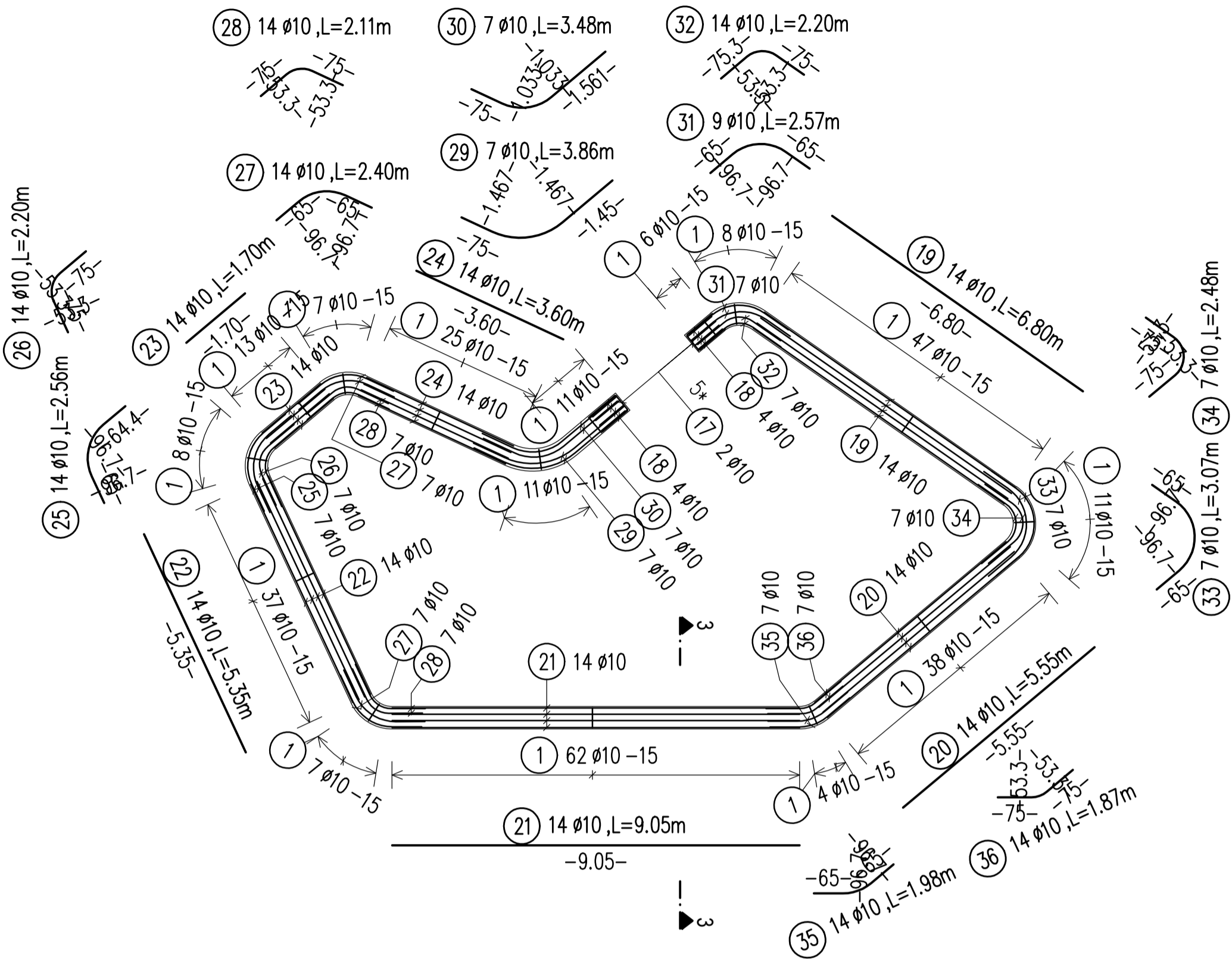
SRP Albanian Engineering s.h.p.k.  
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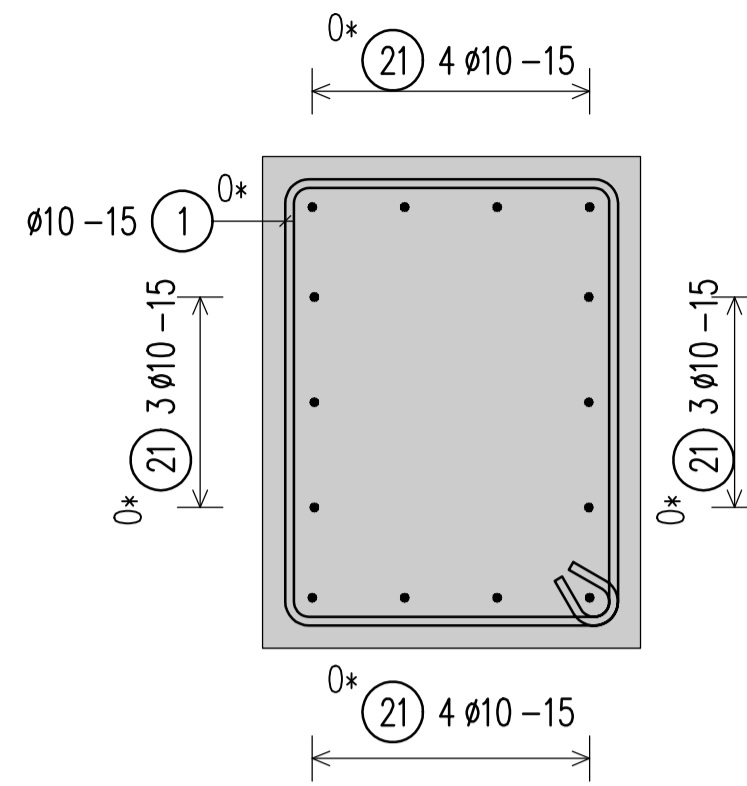
DD-ST-UF-06		Urban Furniture - Bench 1 (L8)	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:25	27-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



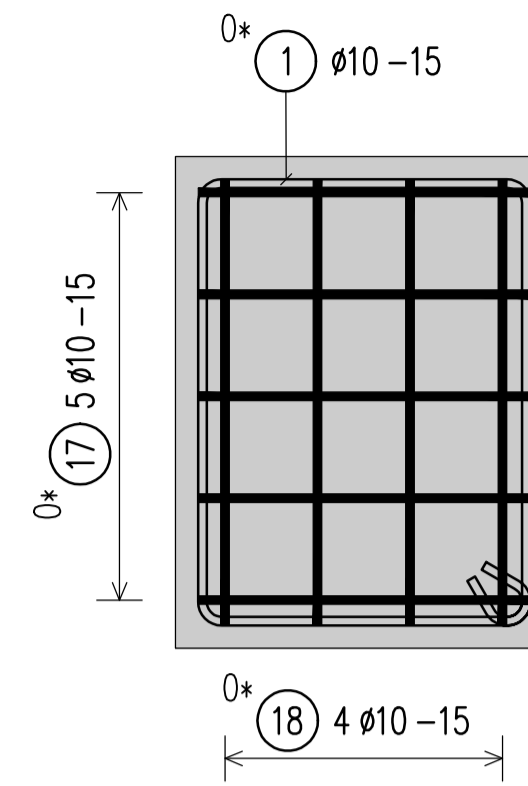
PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2/STOL BETONI 2  
Sc 1:100



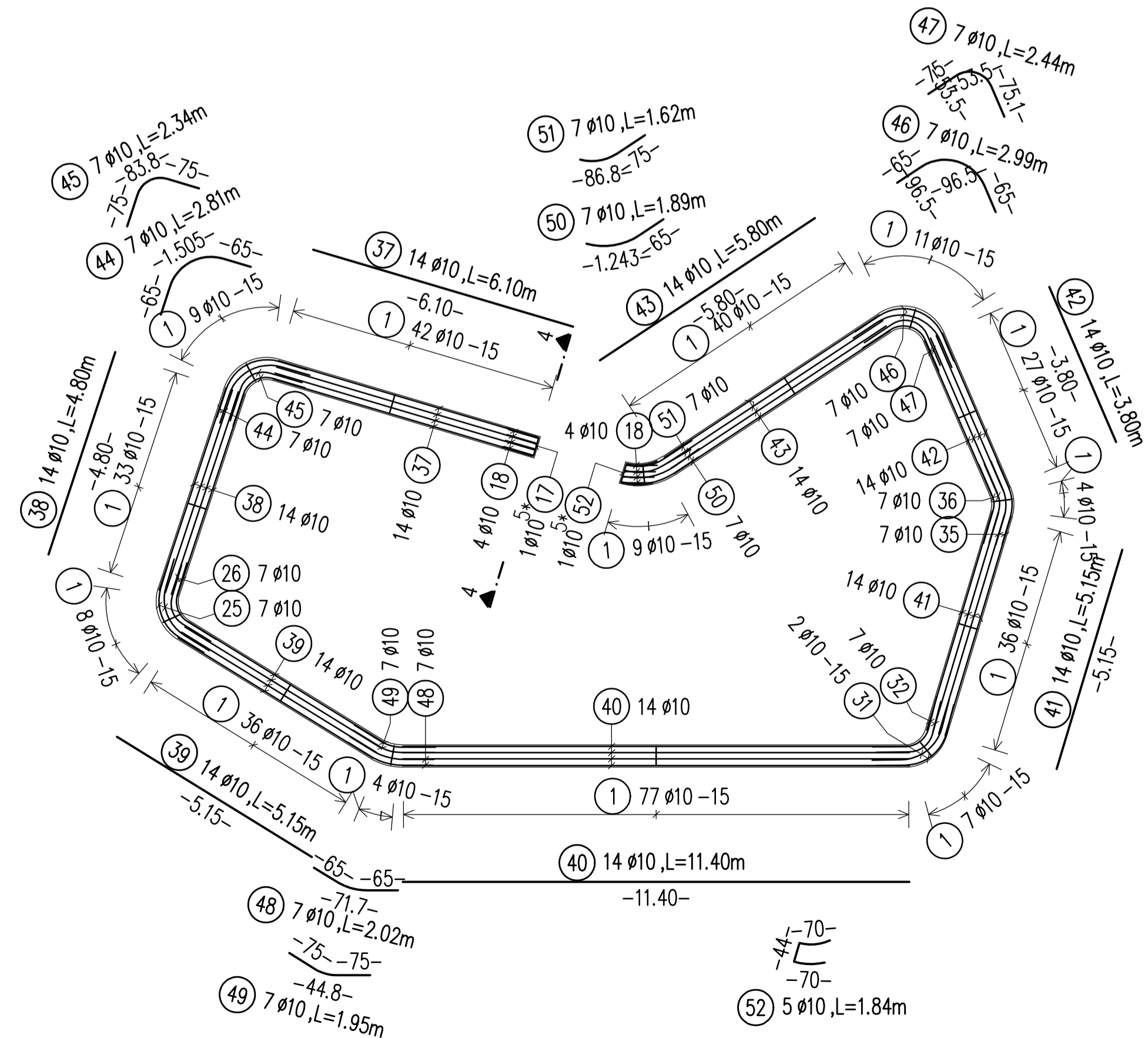
SECTION/PRERJA 3-3  
Sc 1:10



SECTION/PRERJA 4-4  
Sc 1:10



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 3/STOL BETONI 3  
Sc 1:100



BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	d	Length	dbr/ds	type	shape code	Tot.L	Weight kg
19	14	10	6.80	4	A1	6.80	95.20	58.738
20	14	10	5.55	4	A1	5.55	77.70	47.941
21	14	10	9.05	4	A1	9.05	126.70	78.174
22	14	10	5.35	4	A1	5.35	74.90	46.213
23	14	10	1.70	4	A1	1.70	23.80	14.685
24	14	10	3.60	4	A1	3.60	50.40	31.097
25	14	10	2.56	4	E2	65	35.84	22.113
26	14	10	2.20	4	E2	75	30.80	19.004
27	14	10	2.40	4	E2	65	33.60	20.731
28	14	10	2.11	4	E2	75	29.54	18.226
29	7	10	3.86	4	E2	1.45	27.02	16.671
30	7	10	3.48	4	E2	75	24.36	15.030
31	9	10	2.57	4	E2	65	23.13	14.271
32	14	10	2.20	4	E2	75	30.80	19.004
33	7	10	3.07	4	E2	65	21.49	13.259
34	7	10	2.48	4	E2	75	17.36	10.711
35	14	10	1.98	4	E2	65	27.72	17.103
36	14	10	1.87	4	E2	75	26.18	16.153
37	14	10	6.10	4	A1	6.10	85.40	52.692
38	14	10	4.80	4	A1	4.80	67.20	41.462
39	14	10	5.15	4	A1	5.15	72.10	44.486
40	14	10	11.40	4	A1	11.40	159.60	98.473
41	14	10	5.15	4	A1	5.15	72.10	44.486
42	14	10	3.80	4	A1	3.80	53.20	32.824
43	14	10	5.80	4	A1	5.80	81.20	50.100

BENDING SCHEDULE Steelgrade: B500B

Pos.	No.	d	Length	dbr/ds	type	shape code	Tot.L	Weight kg
44	7	10	2.81	4	X1	65°	19.67	12.136
45	7	10	2.34	4	X1	65°	16.38	10.106
46	7	10	2.99	4	E2	65°	20.93	12.914
47	7	10	2.44	4	E2	75°	17.08	10.538
48	7	10	2.02	4	X1	65°	14.14	8.724
49	7	10	1.95	4	X1	75°	13.65	8.422
50	7	10	1.89	4	X1	65°	13.23	8.163
51	7	10	1.62	4	X1	87°	11.34	6.997
52	5	10	1.84	4	X1	91°	9.20	5.676

Total weight (kg) 2969.467

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	
HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h<250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C30/37
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT

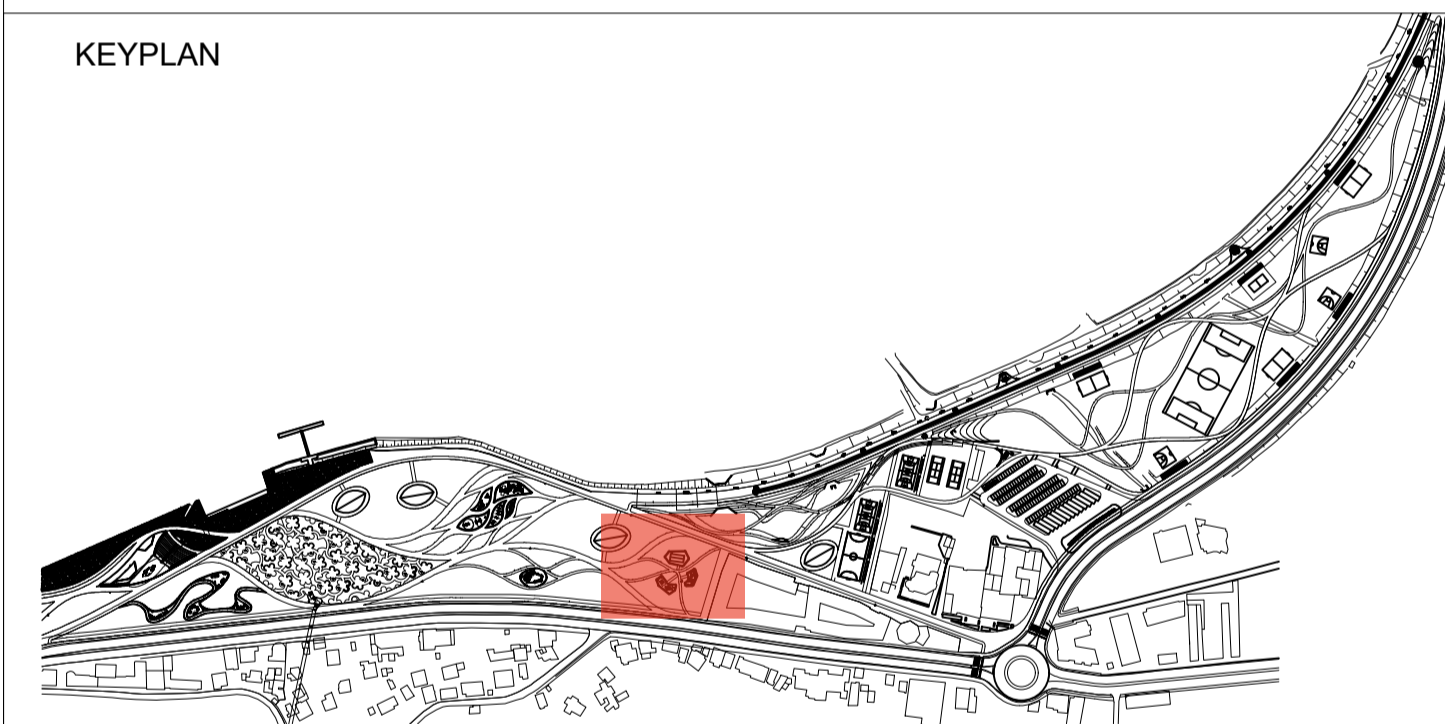
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

KEYPLAN



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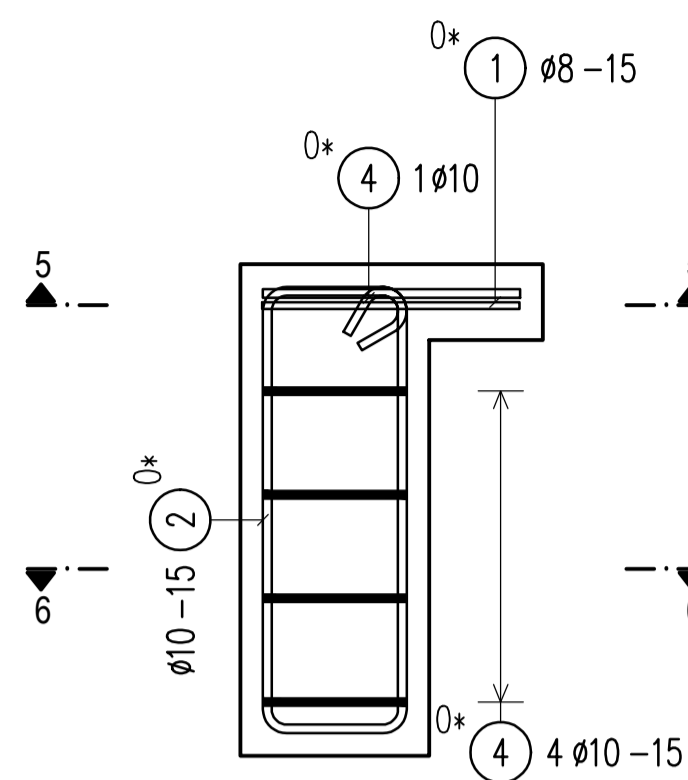
SRP Schneider & Partner, Ingenieur-Consult GmbH  
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DD-ST-UF-07	Urban Furniture - Bench 2 (L8)		
Drawing number	Description	Scale	Date
Detailed Design	841 x 594 mm	1:100/1:50/1:25	27-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		



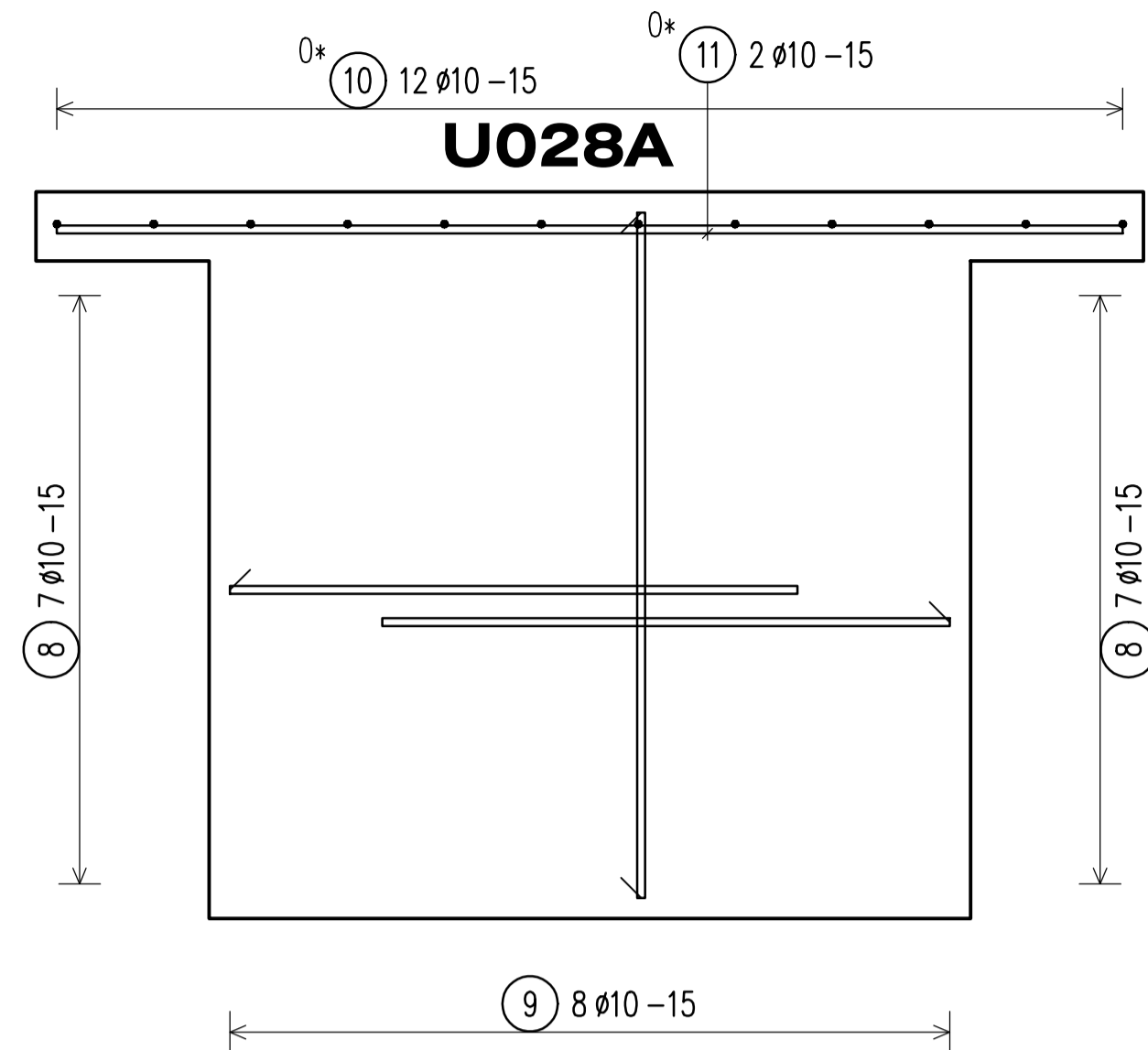
SECTION/PRERJA 2-2

SC 1:10



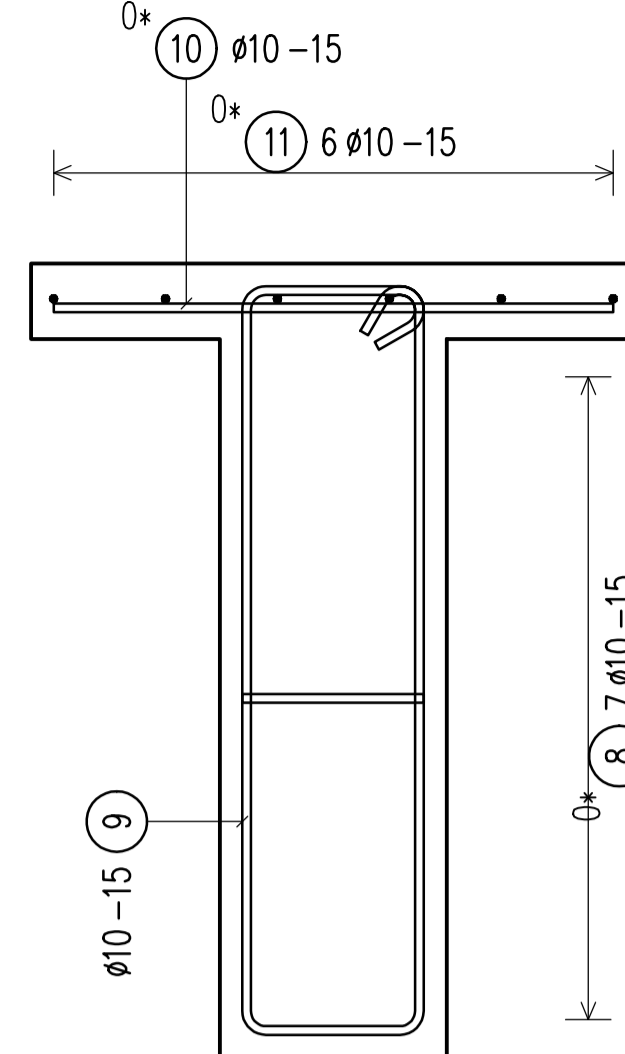
SECTION/PRERJA 7-7

SC 1:10



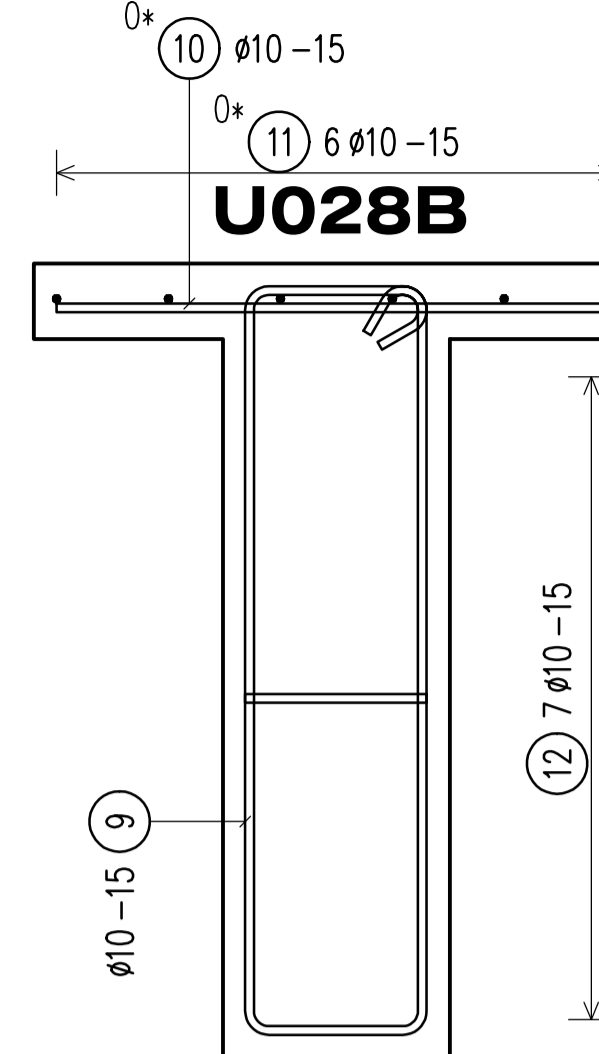
SECTION/PRERJA 8-8

SC 1:10



SECTION/PRERJA 9-9

SC 1:10



BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR: GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $>= 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VUEZUAR: POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C30/37
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

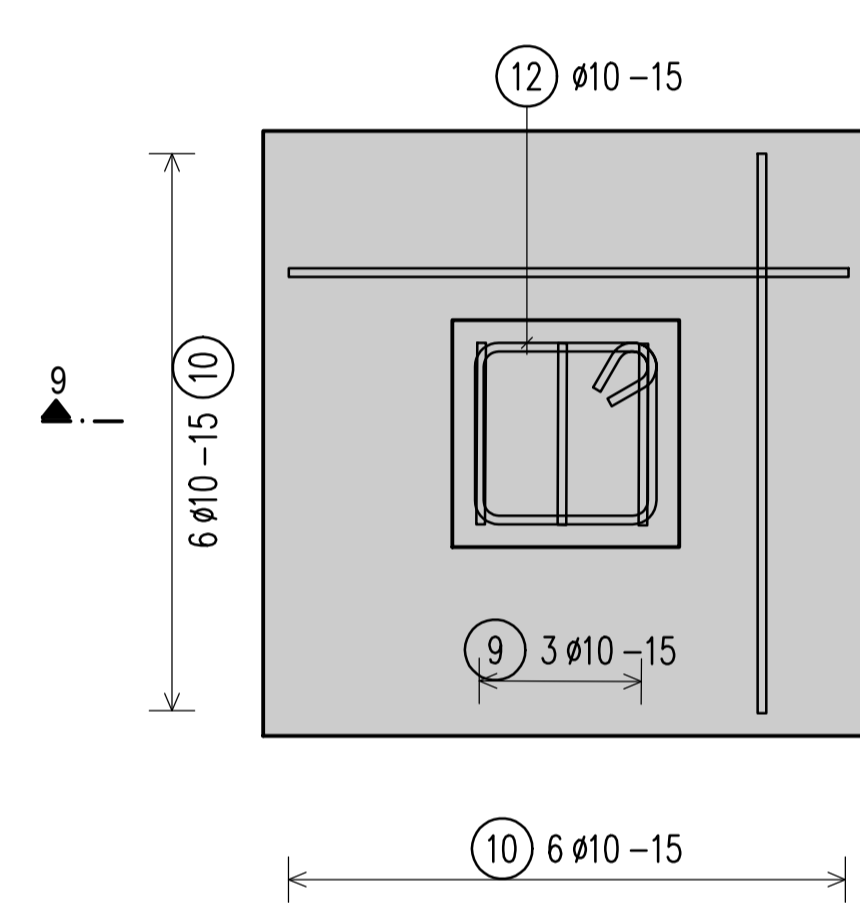
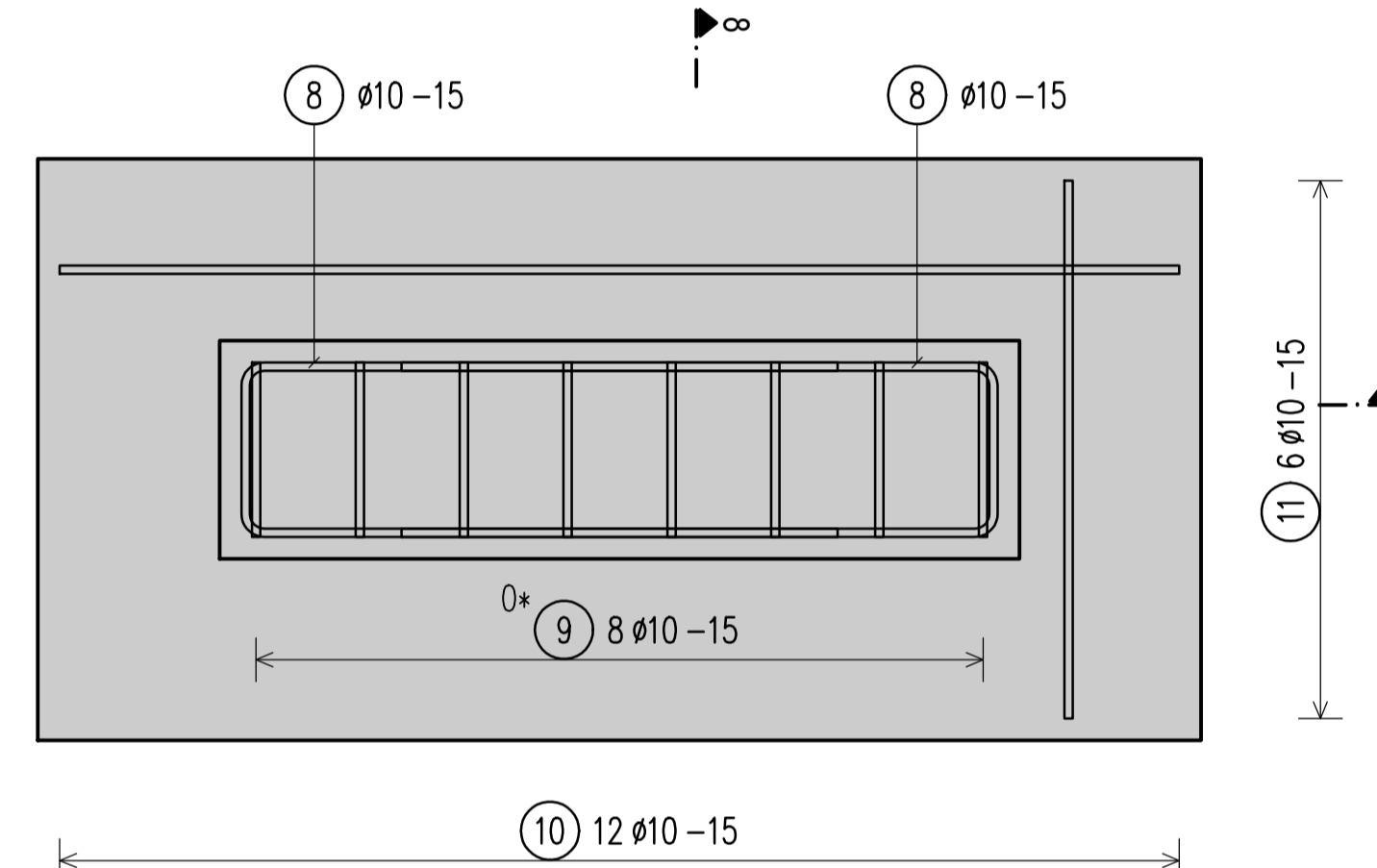
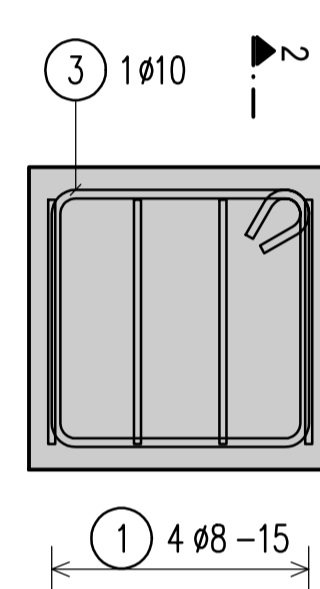
LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

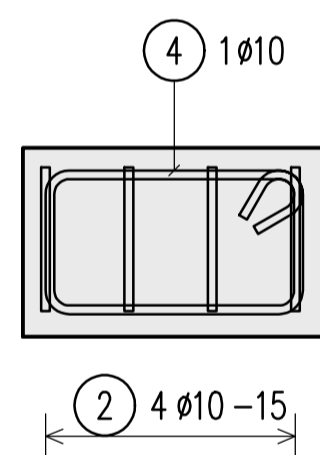
SECTION/PRERJA 5-5

SC 1:10



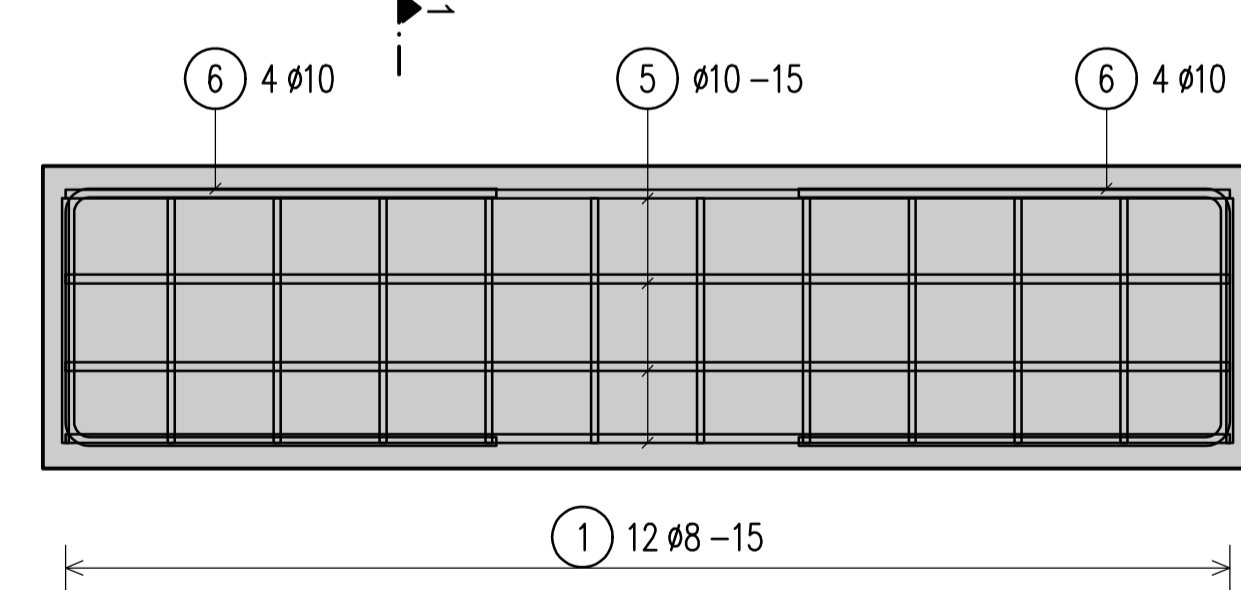
SECTION/PRERJA 6-6

SC 1:10



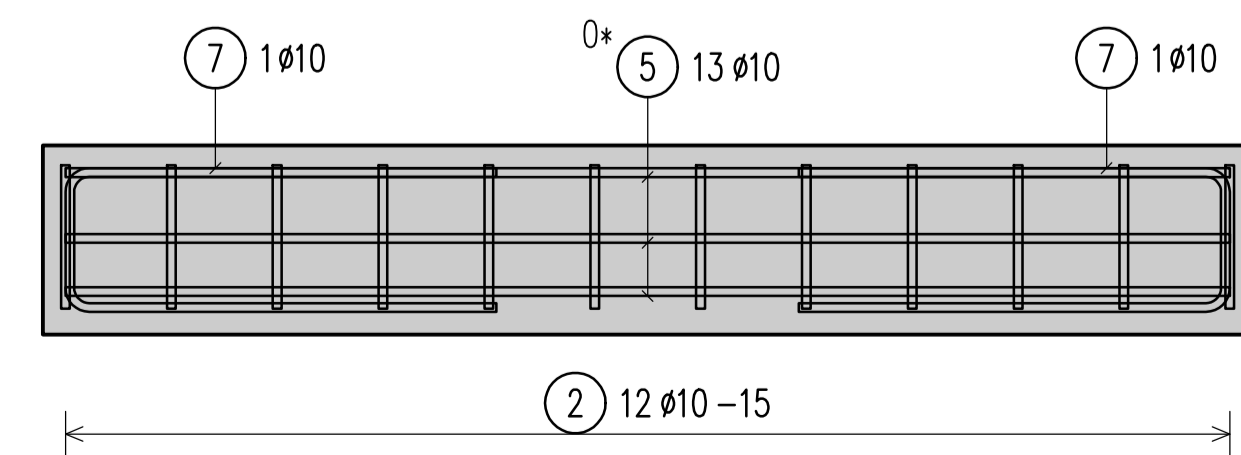
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SC 1:10



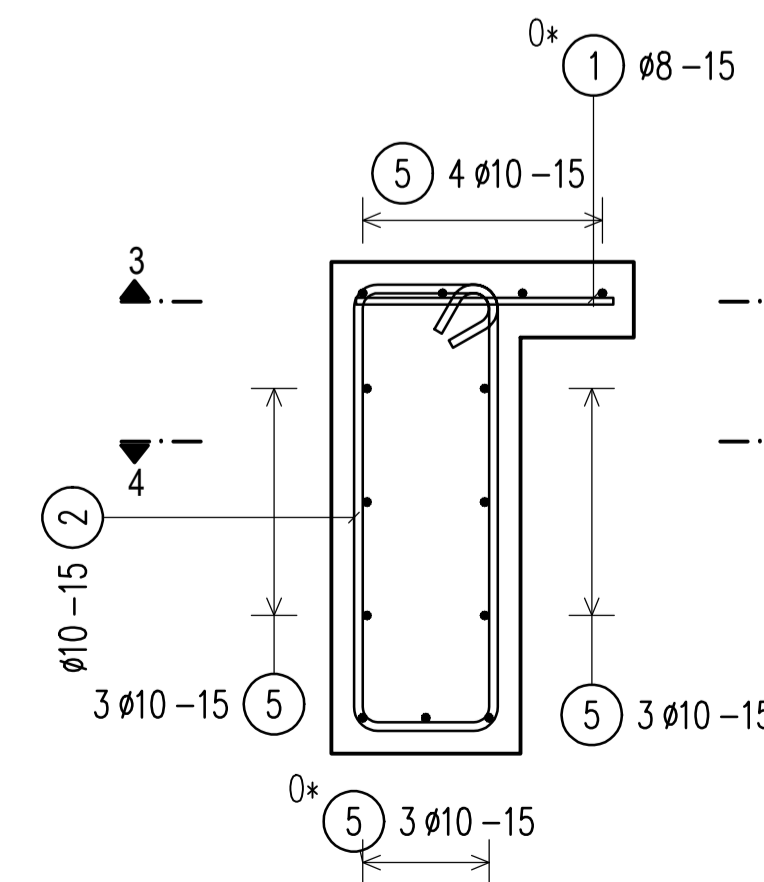
SECTION/PRERJA 4-4

SC 1:10

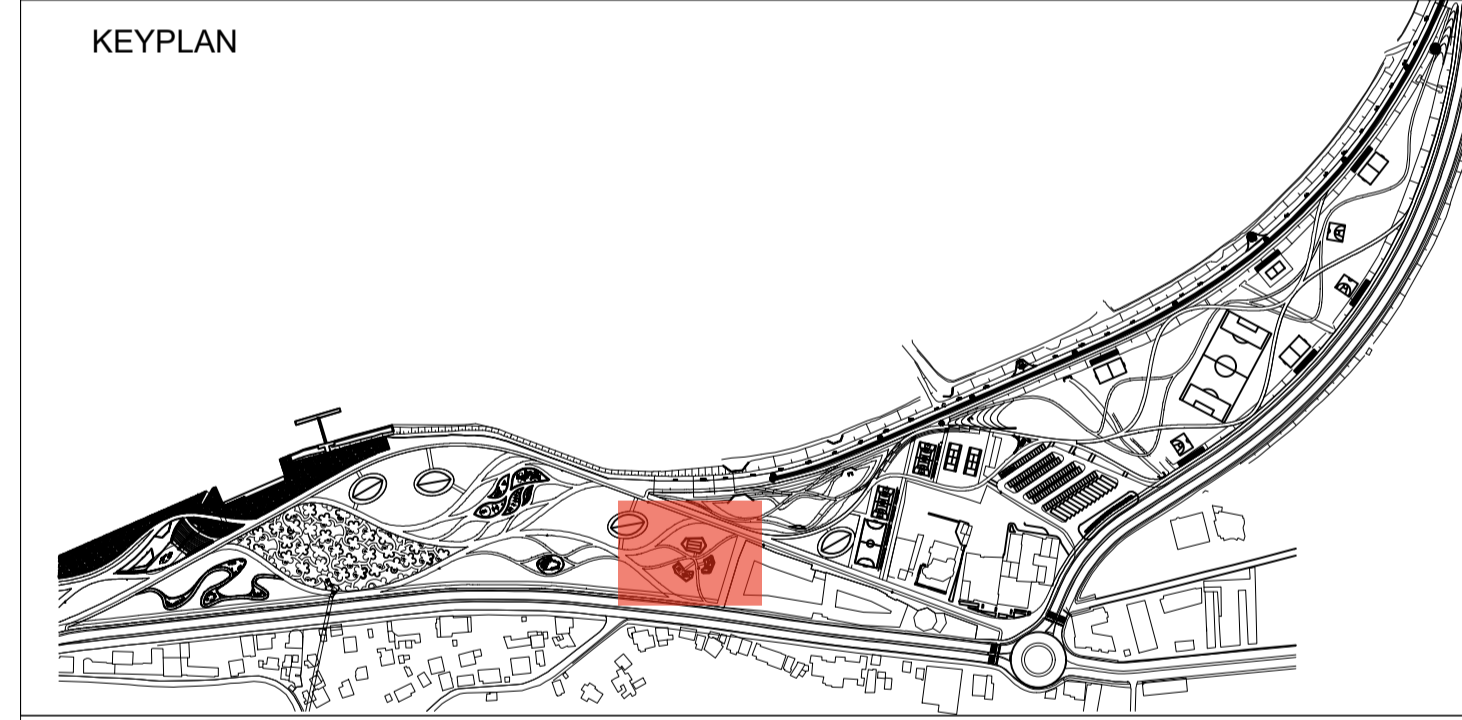


SECTION/PRERJA 1-1

SC 1:10



Pos. No.	Ø	Length	Shape	Shape code	Tot. L	Weight kg
1	16	8	4	34	5.44	2.149
2	16	18	4	34	28.80	17.778
3	16	1.40	4	34	1.40	0.967
4	16	1.30	4	34	1.30	0.862
5	16	1.34	4	34	1.34	0.902
6	16	1.40	4	34	1.40	0.925
7	16	1.30	4	34	1.30	0.862
8	16	1.38	4	34	1.38	0.899
9	16	2.10	4	34	2.10	1.325
10	24	6.34	4	34	17.76	18.998
11	6	1.34	4	34	9.24	5.762
12	16	1.20	4	34	8.40	5.183
Total weight (kg)						96.562



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DD-ST-UF-08		Urban Furniture Detailing (L10)	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

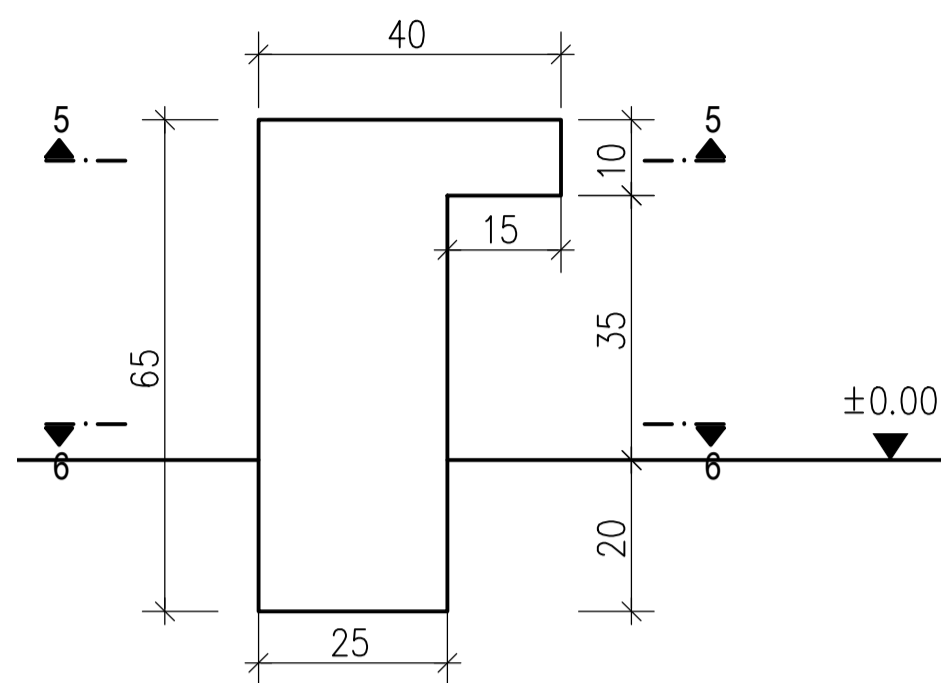
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**SECTION/PRERJA 2-2**

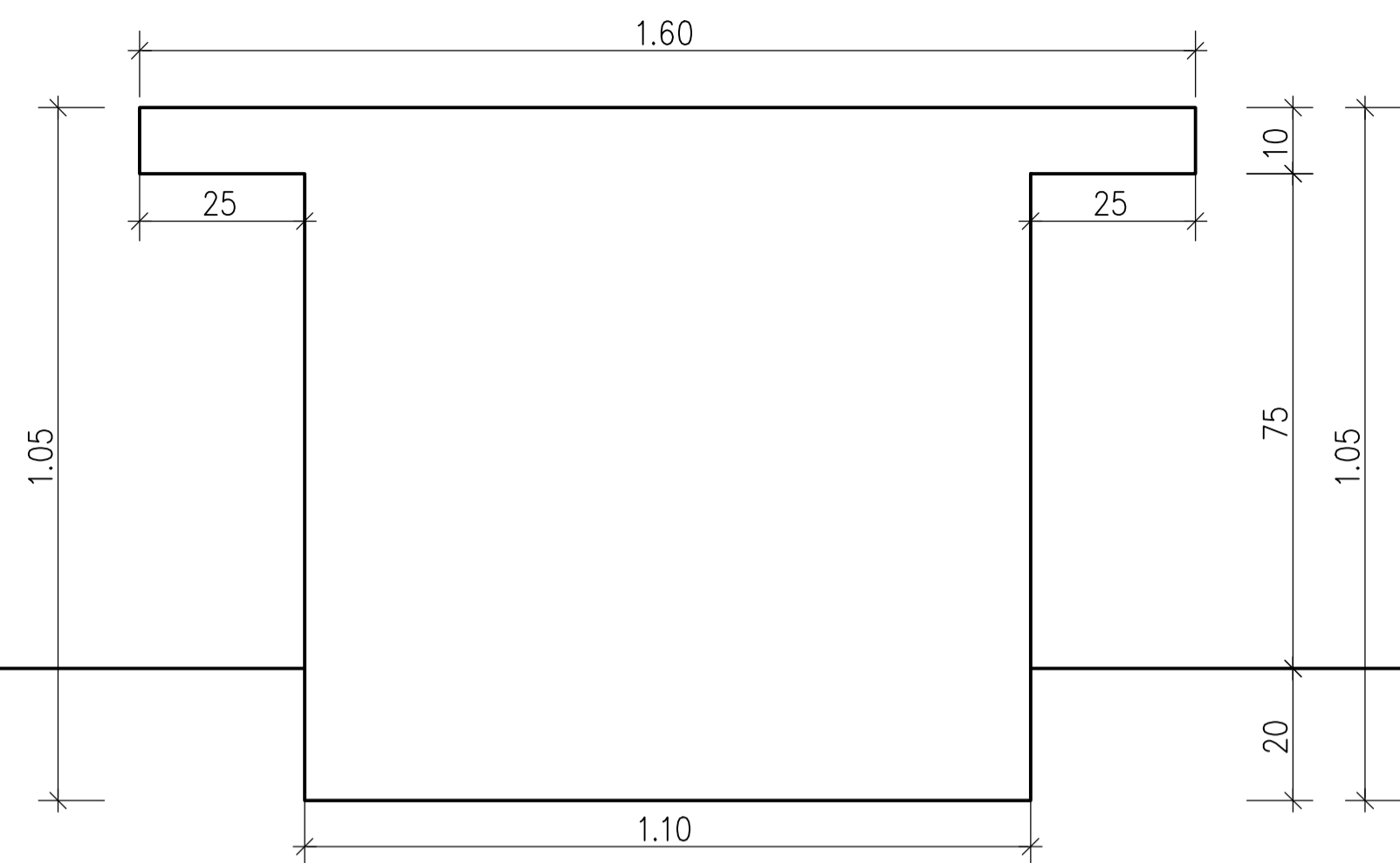
SC 1:10



**SECTION/PRERJA 7-7**

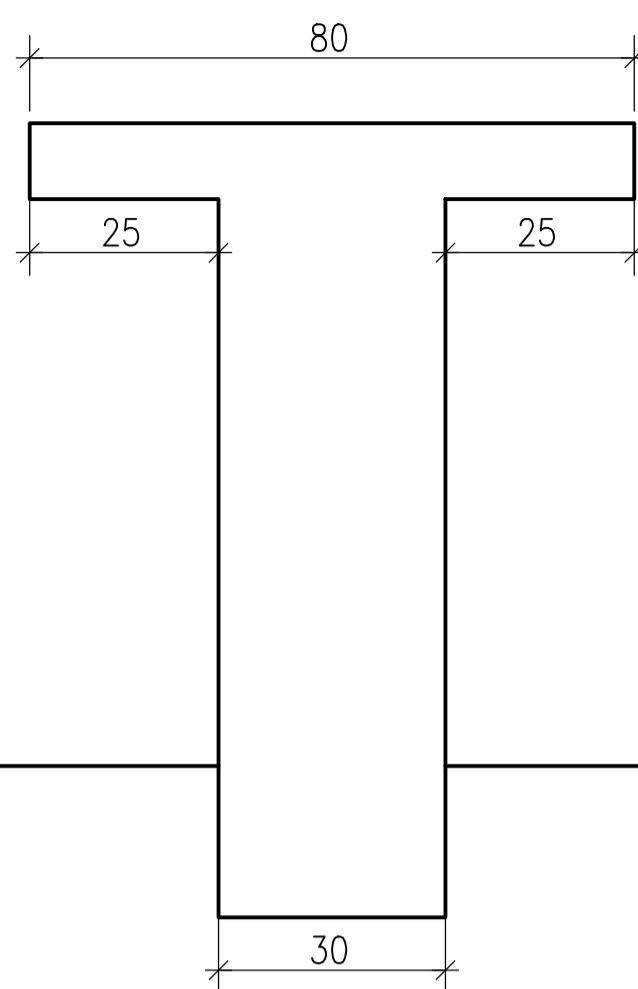
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**U028A**



**SECTION/PRERJA 8-8**

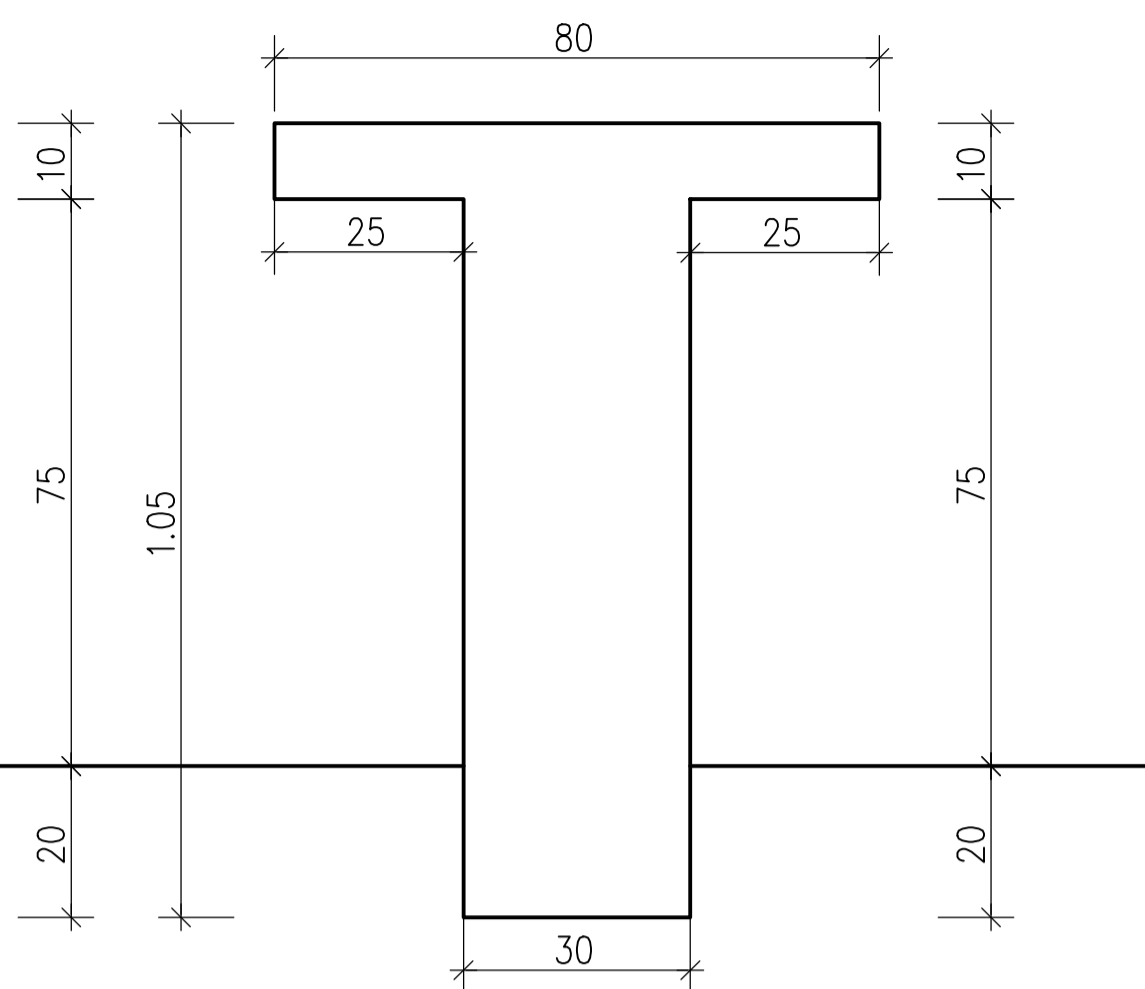
SC 1:10



**SECTION/PRERJA 9-9**

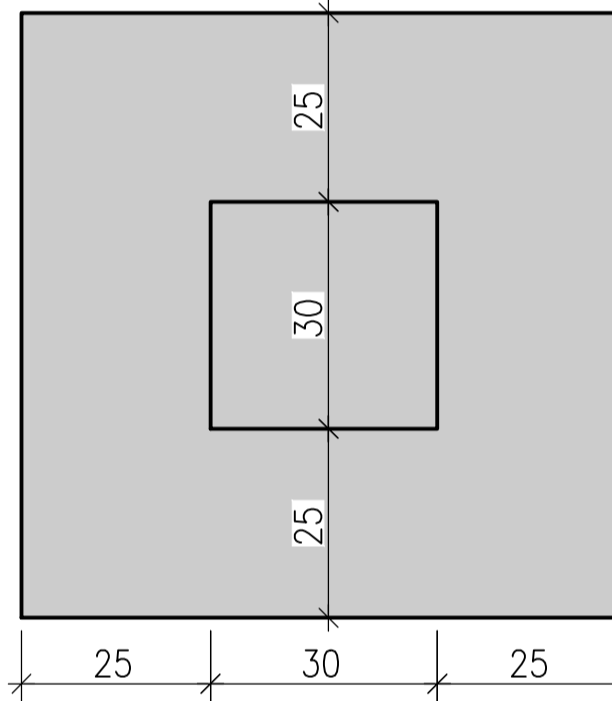
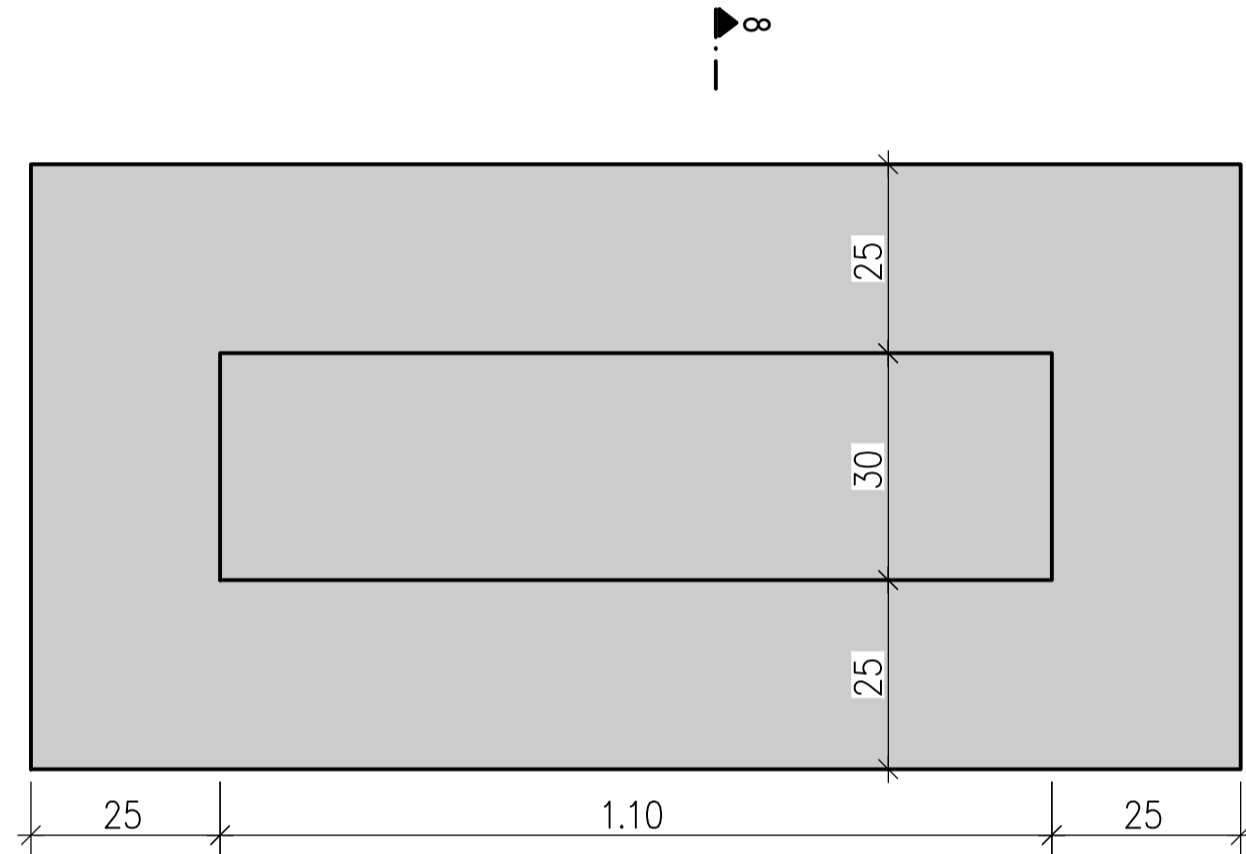
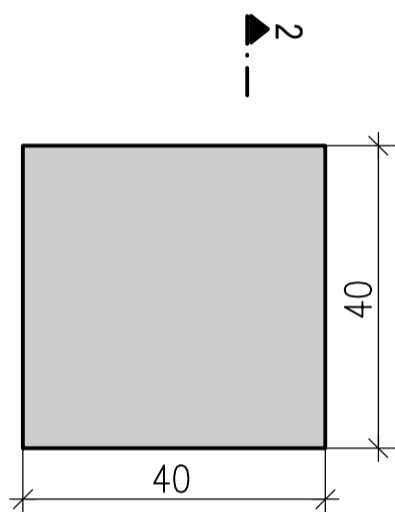
SC 1:10

**U028B**



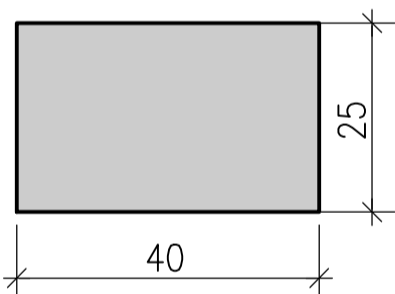
**SECTION/PRERJA 5-5**

SC 1:10



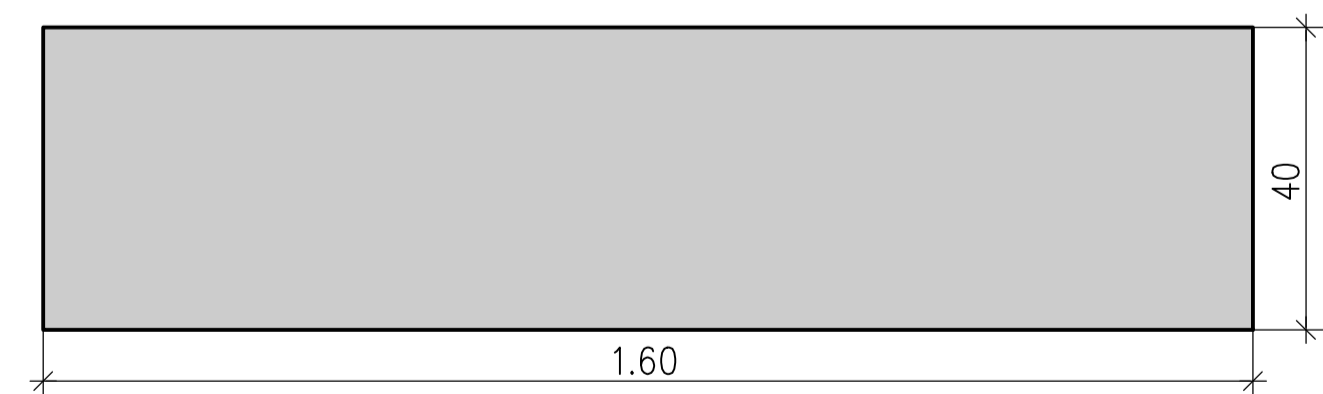
**SECTION/PRERJA 6-6**

SC 1:10



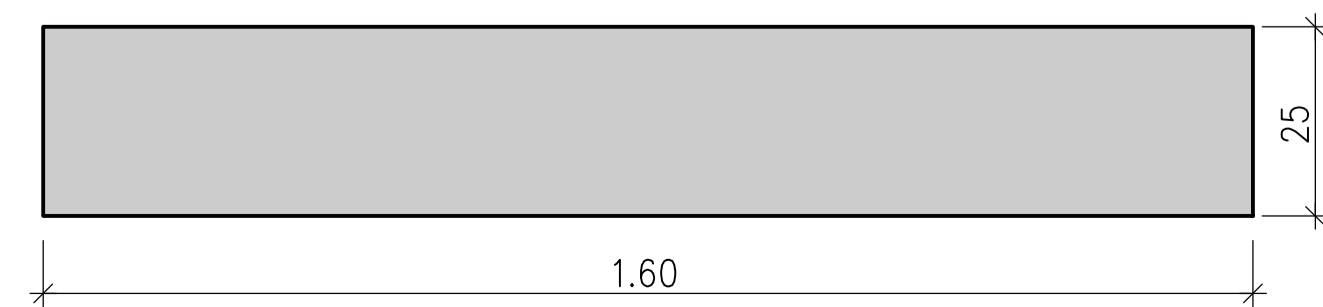
**SECTION/PRERJA 3-3**

SC 1:10



**SECTION/PRERJA 4-4**

SC 1:10



<b>BOND CONDITIONS/ KUSHTET E ADERENCËS</b>	<b>STEEL GRADE/ KLASA E ÇELIKUT</b>	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
HATCHED AREA/ZONA E VLUEZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

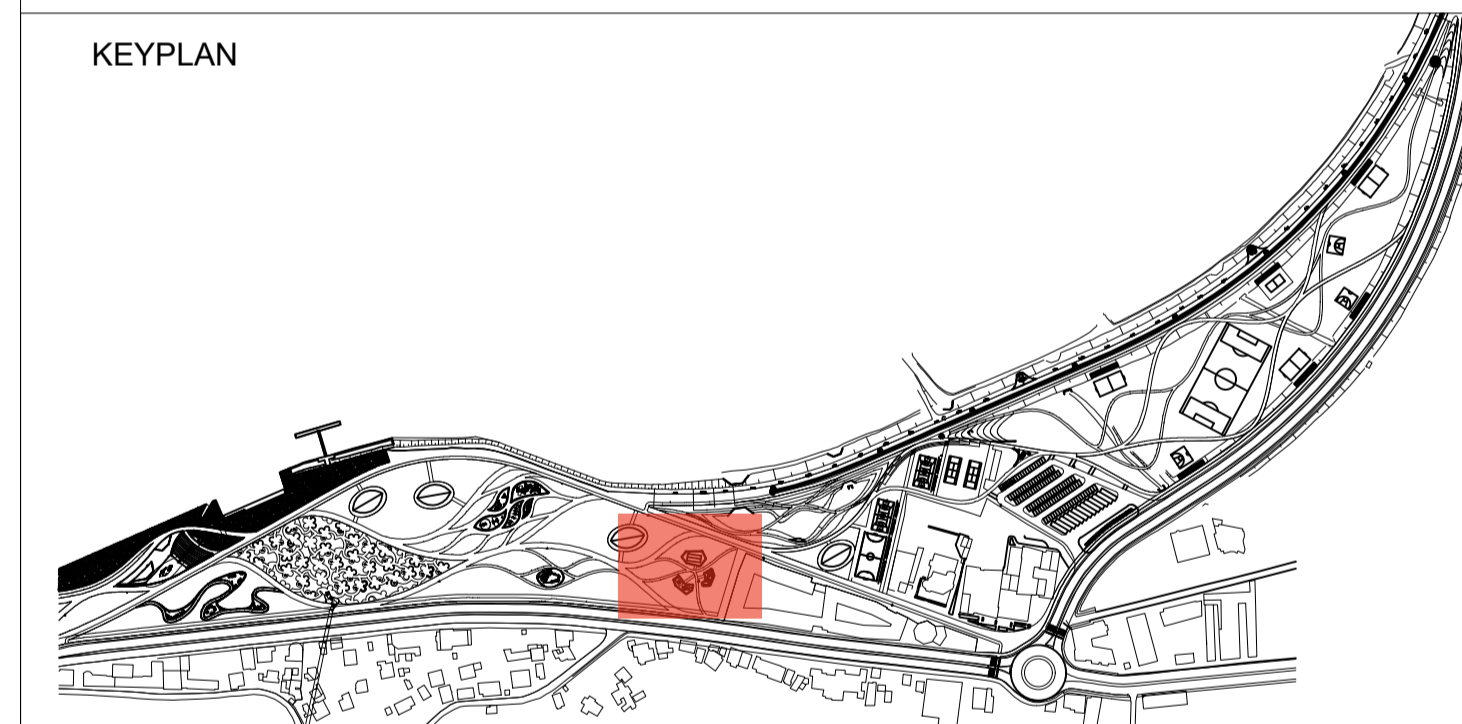
<b>CONCRETE CLASS/KLASA E BETONI</b>	C30/37
<b>EXPOSURE CLASS/KLASA E EKSPOZIMIT</b>	XC4; XD2; XF1; XA1
<b>CONCRETE COVER/SHTRESA MBROJTESE</b>	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	435	544	653	870	1088	1359	1740

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	621	777	932	1243	1554	1942	2486

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

**KEYPLAN**



CLIENT:  
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<b>DD-ST-F-09</b>		<b>Urban Furniture Formwork (L10)</b>	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:25	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

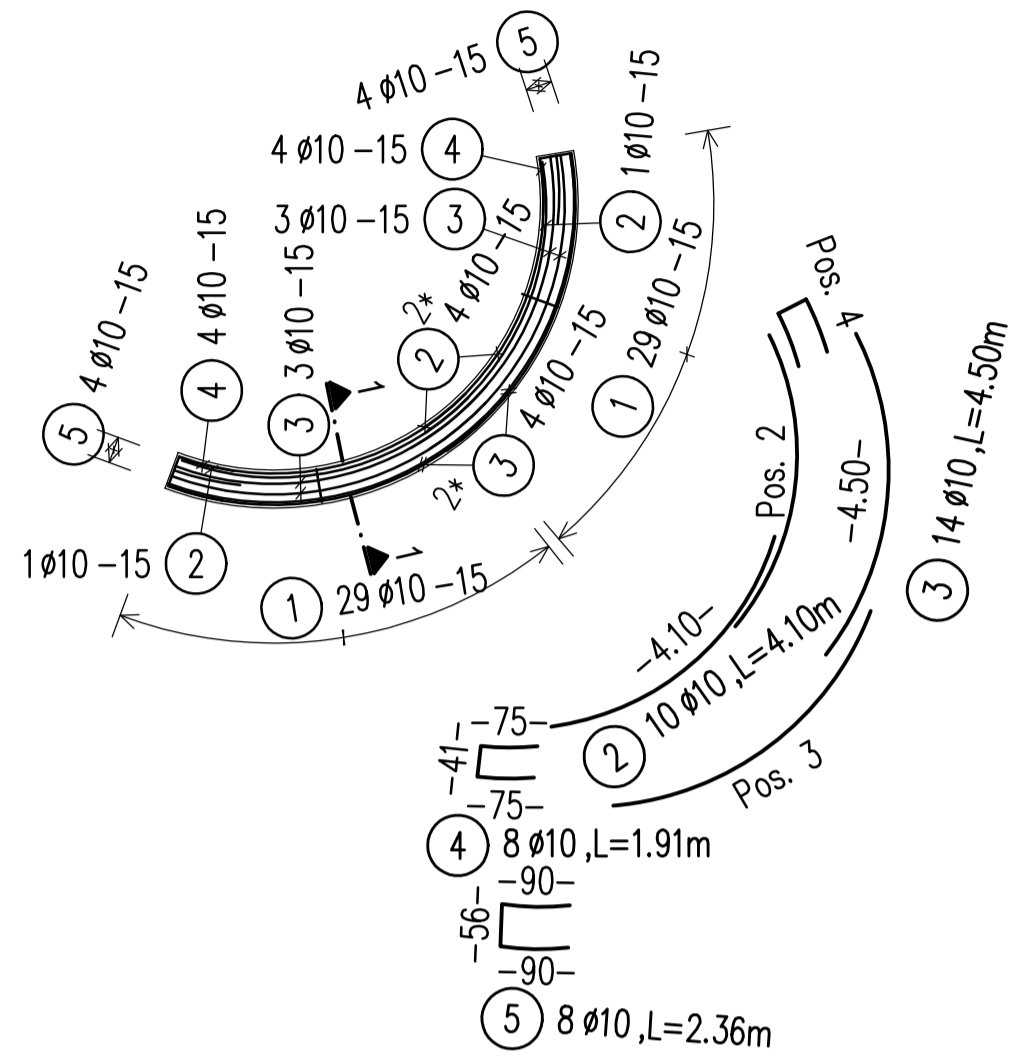
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SRP Schneider & Partner, Ingenieur-Consult GmbH  
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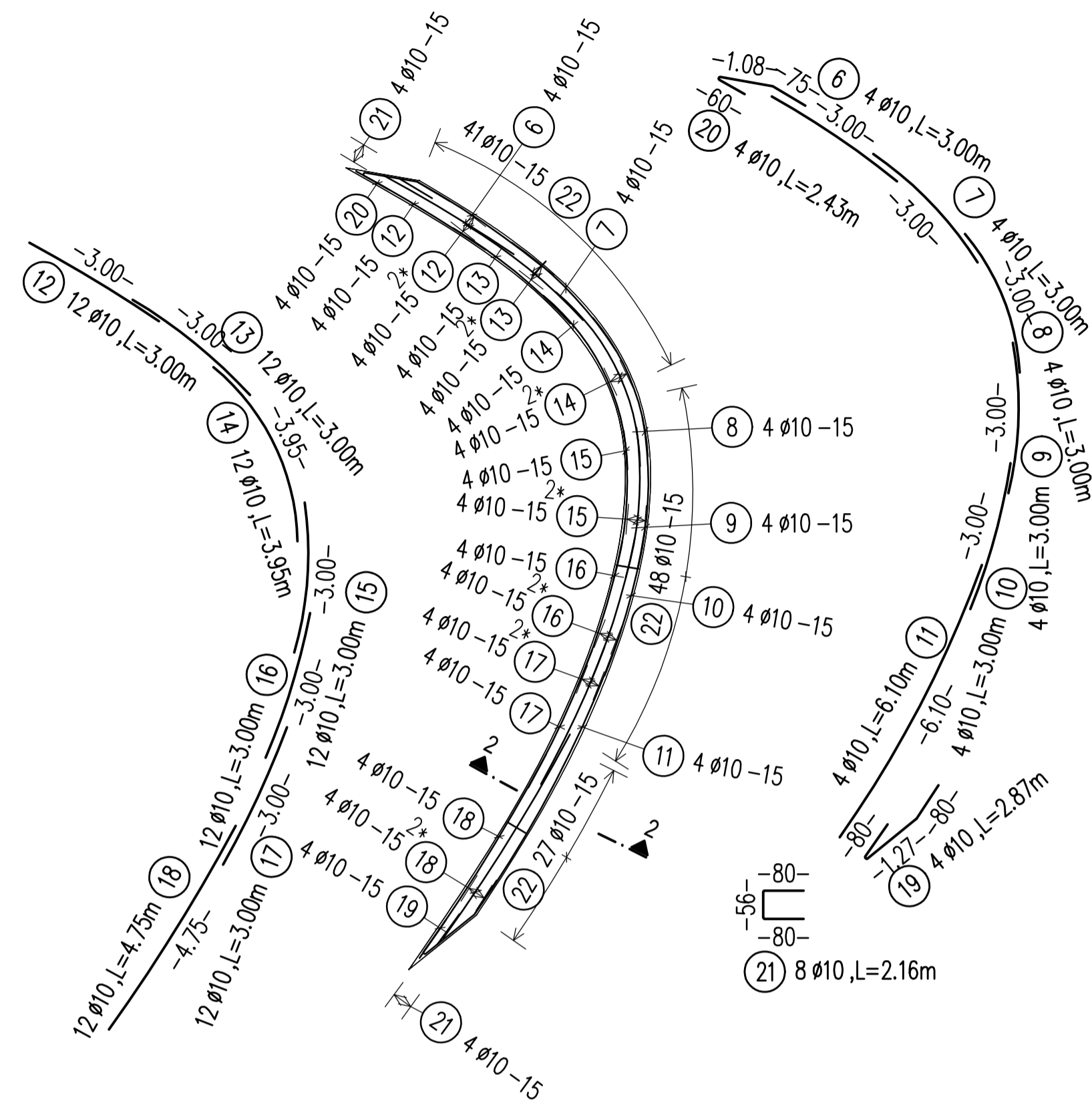
PLANVIEW/PLANIMETRIA (L09)  
CONCRETE BENCH/STOL BETONI

Sc 1:100



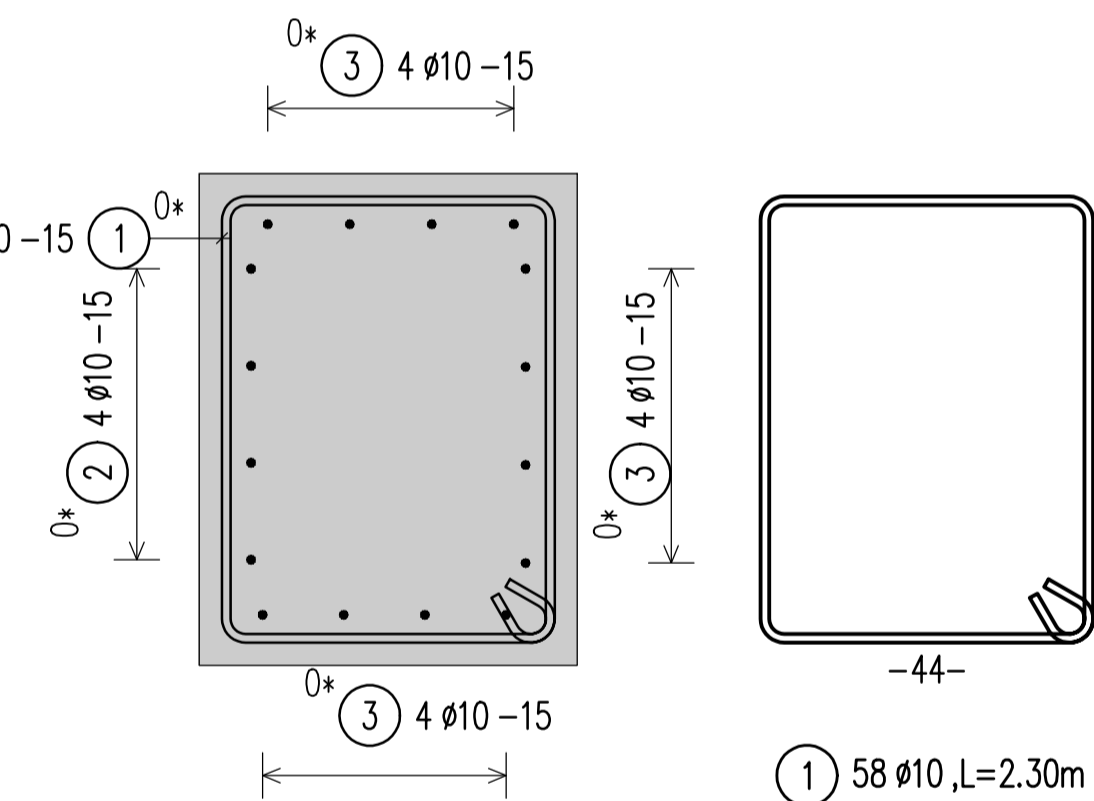
PLANVIEW/PLANIMETRIA (L09)  
CONCRETE BENCH/STOL BETONI

Sc 1:100



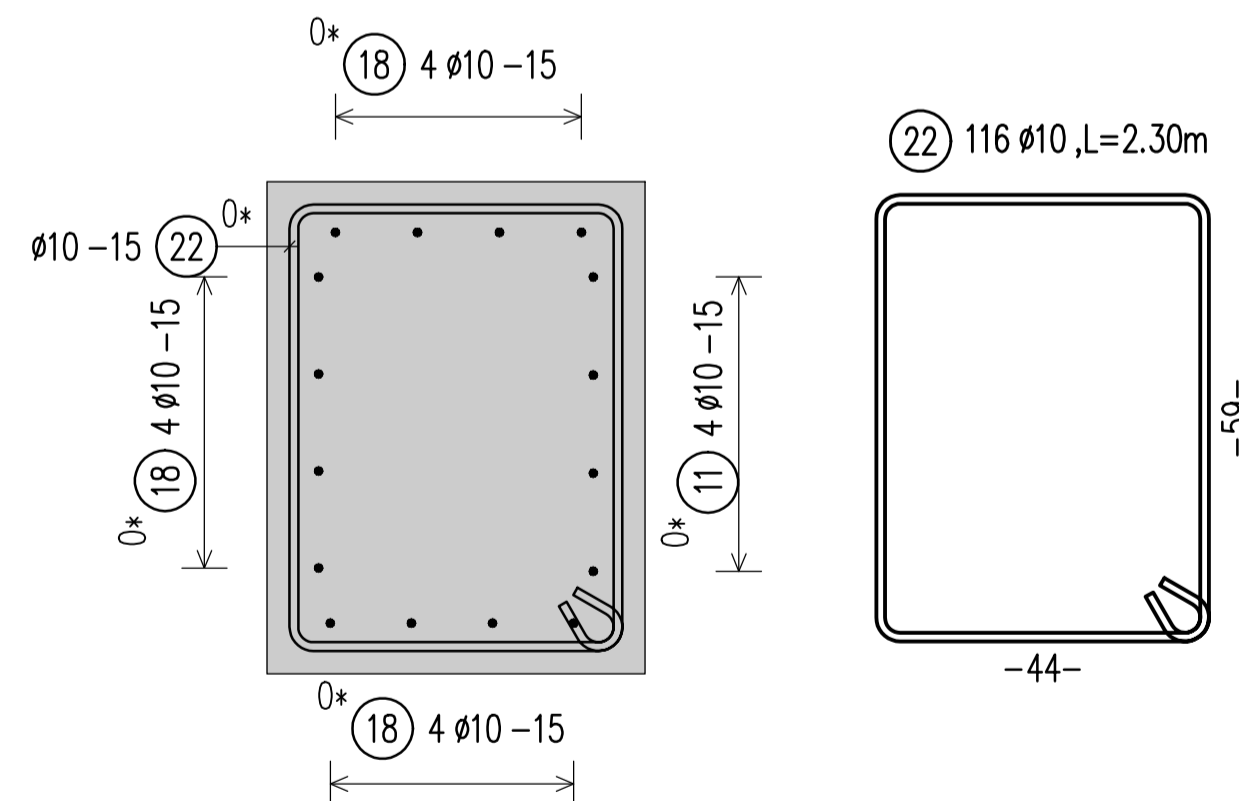
SECTION/PRERJA 1-1

SC 1:10



SECTION/PRERJA 2-2

SC 1:10



Pos.	Stk.	d	Länge	abr ds	Typ	Biegeform	Ges.L	Gewicht kg
1	58	10	2.30	4	B1	Hakenlänge=10.5	133.40	82.308
2	10	10	4.10	4	X1	4.10	41.00	25.297
3	14	10	4.50	4	X1	4.50	63.00	38.871
4	8	10	1.91	4	X1	90° 75° 90° 75°	15.28	9.428
5	8	10	2.36	4	X1	96° 84° 90°	18.88	11.649

Gesamtgewicht (kg) 167.353

Pos.	Stk.	d	Länge	Ges.L	Gew.(kg)
1	58	10	2.30	133.40	82.308
2	10	10	4.10	41.00	25.297
3	14	10	4.50	63.00	38.871
4	8	10	1.91	15.28	9.428
5	8	10	2.36	18.88	11.649

Gesamtstahlmenge d(mm) Ges.L kg/m Gewicht(kg)  
10 271.56 0.617 167.553  
Gesamtgewicht (kg) 167.553

Pos.	Stk.	d	Länge	abr ds	Typ	Biegeform	Ges.L	Gewicht kg
6	4	10	3.00	4	X1	3.00	12.00	7.404
7	4	10	3.00	4	X1	3.00	12.00	7.404
8	4	10	3.00	4	X1	3.00	12.00	7.404
9	4	10	3.00	4	X1	3.00	12.00	7.404
10	4	10	3.00	4	X1	3.00	12.00	7.404
11	4	10	6.10	4	X1	6.10	24.40	15.055
12	12	10	3.00	4	X1	3.00	36.00	22.212
13	12	10	3.00	4	X1	3.00	36.00	22.212
14	12	10	3.95	4	X1	3.95	47.40	29.246
15	12	10	3.00	4	X1	3.00	36.00	22.212
16	12	10	3.00	4	X1	3.00	36.00	22.212
17	12	10	3.00	4	X1	3.00	36.00	22.212
18	12	10	4.75	4	X1	4.75	57.00	35.169
19	4	10	2.87	4	X1	164° 90° 1.27 18°40'	11.48	7.083
20	4	10	2.43	4	X1	75°21' 1.08 160° 60°	9.72	5.997
21	4	10	2.16	4	A3	80° 80° 59°	8.64	5.331
22	116	10	2.30	4	B1	Hakenlänge=10.5	266.80	164.616

Gesamtgewicht (kg) 410.576

Pos.	Stk.	d	Länge	Ges.L	Gew.(kg)
6	4	10	3.00	12.00	7.404
7	4	10	3.00	12.00	7.404
8	4	10	3.00	12.00	7.404
9	4	10	3.00	12.00	7.404
10	4	10	3.00	12.00	7.404
11	4	10	6.10	24.40	15.055
12	12	10	3.00	36.00	22.212
13	12	10	3.00	36.00	22.212
14	12	10	3.95	47.40	29.246
15	12	10	3.00	36.00	22.212
16	12	10	3.00	36.00	22.212
17	12	10	3.00	36.00	22.212
18	12	10	4.75	57.00	35.169
19	4	10	2.87	11.48	7.083
20	4	10	2.43	9.72	5.997
21	4	10	2.16	8.64	5.331
22	116	10	2.30	266.80	164.616

Gesamtstahlmenge	d(mm)	Ges.L	kg/m	Gewicht(kg)
10	665.44	0.617	410.576	
Gesamtgewicht (kg)				410.576

BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTË TE MIRA ADERENË		
HATCHED AREA/ZONA E VJEUZUAR. POOR BOND CONDITION/KUSHTË TE KEQJA ADERENË		
h<250mm - GOOD BOND CONDITION/ KUSHTË TE MIRA ADERENË		

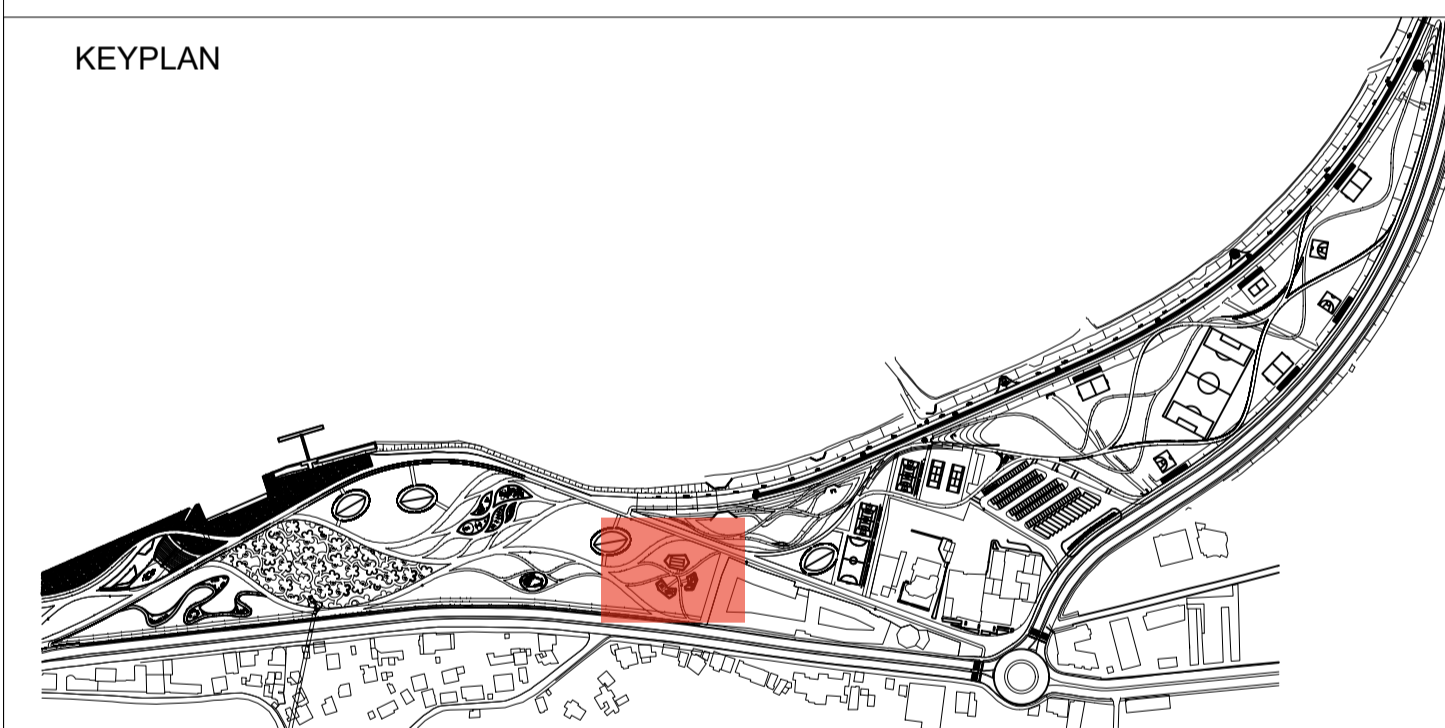
CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPozIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	690	863	1036	1381	1726	2158	2762

- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

KEYPLAN



CLIENT:  
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DD-ST-UF(L09)-14 Urban Furniture

Drawing number	Description	Scale	Date
Detailed Design	841 x 594 mm	1:100/1:10	12-10-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

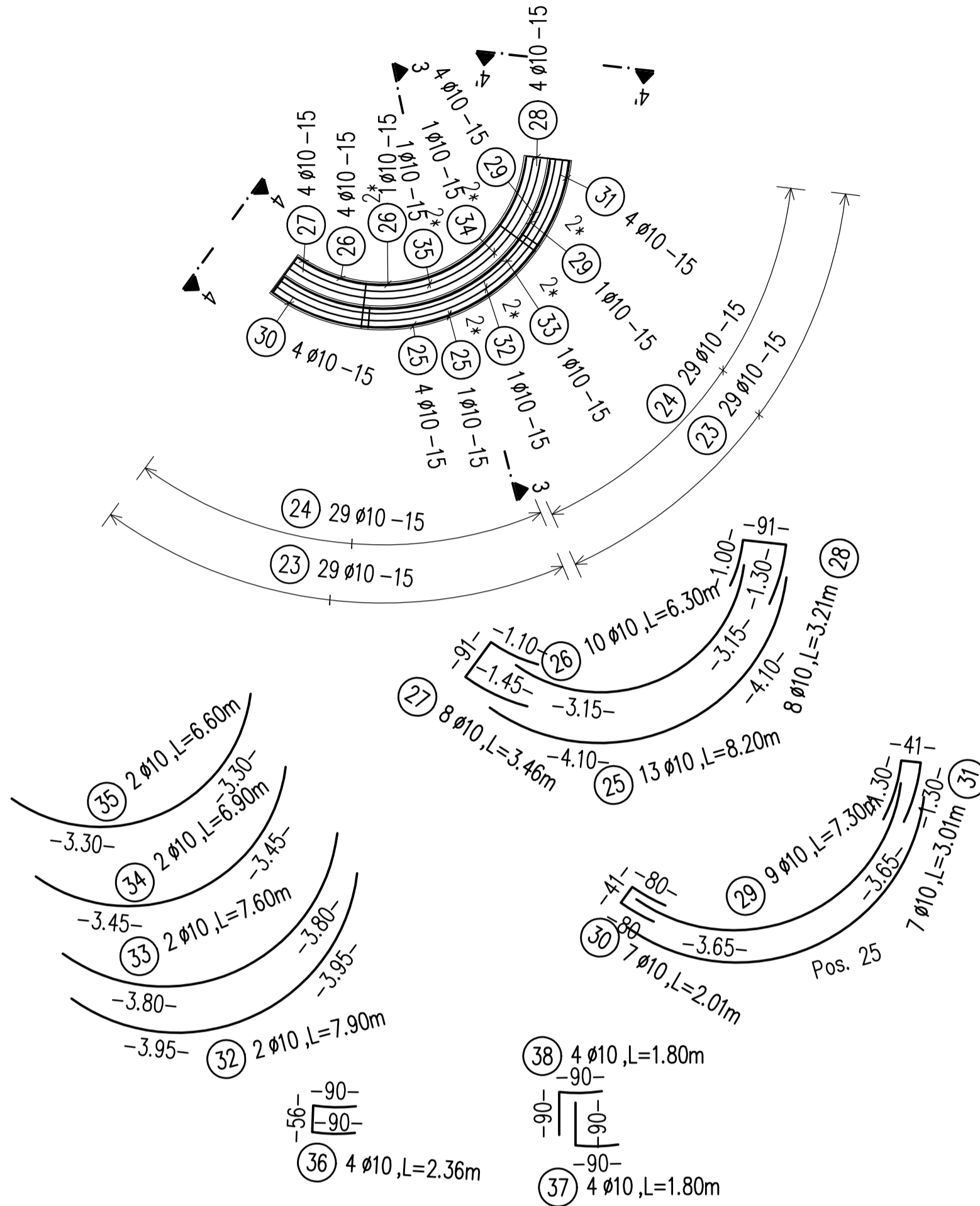
casanova + hernandez architects  
SRP Schneider & Partner, Ingenieur-Consult GmbH  
SRP Albanian Engineering sh.p.k.

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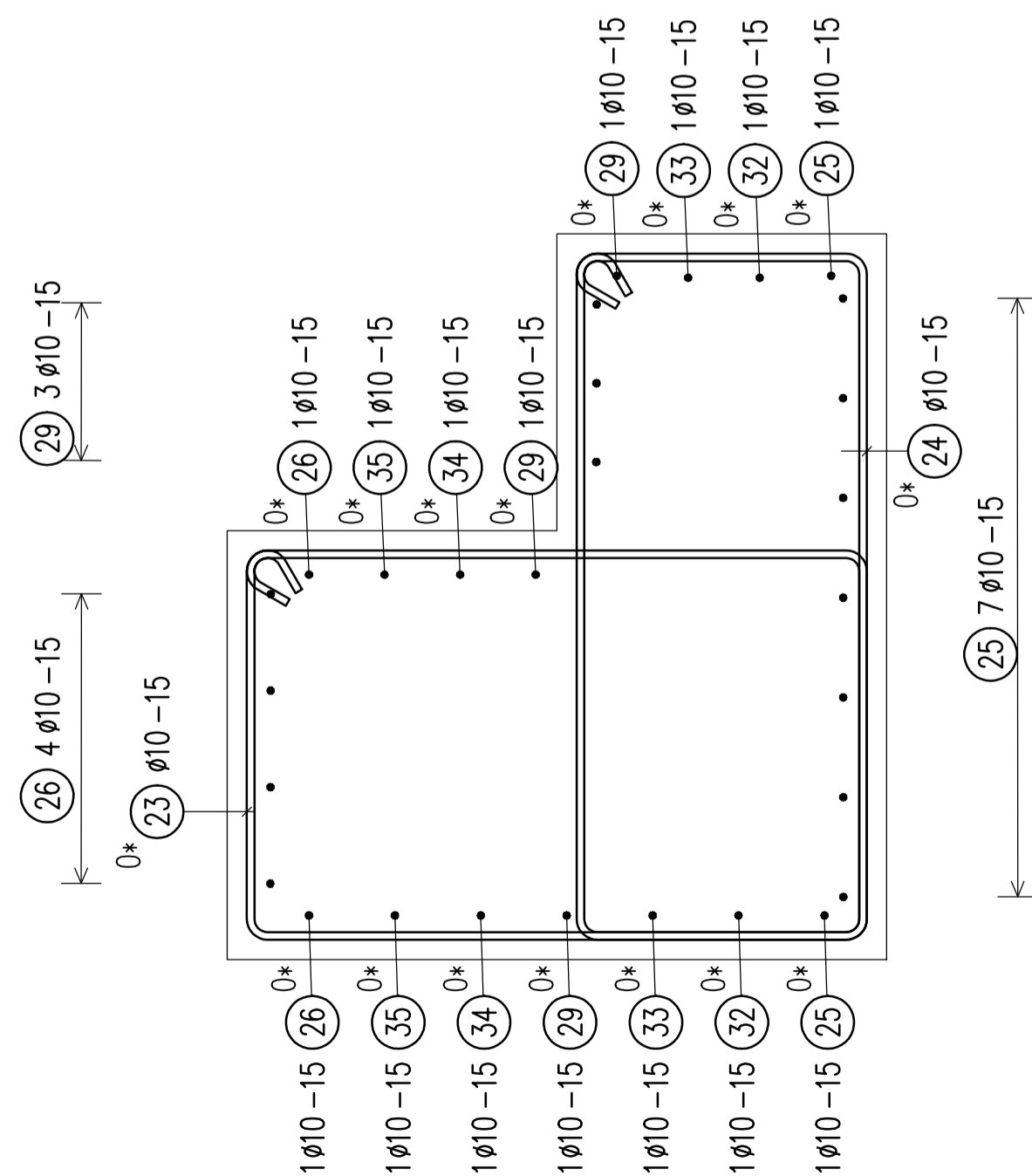
PLANVIEW/PLANIMETRIA (L13)  
CONCRETE BENCH/STOL BETONI

Sc 1:100



SECTION/PRERJA 3-3

SC 1:10



BIEGELISTE Betonstahl: B500B Bauteil: 3

Pos.	Stk.	d	Länge	abr ds	Typ	Biegeform	Ges.L	Gewicht kg
21	4	10	2.16	4	A3	80	8.64	5.331
23	58	10	3.30	4	B1	94	191.40	118.094
24	58	10	3.20	4	B1	1.04	185.60	114.515
25	13	10	8.23	4	X1	4.12 0° 4.12	106.99	66.013
26	10	10	6.31	4	X1	3.16 0° 3.16	63.10	38.933
27	8	10	3.46	4	X1	1.44 90° 1.10 89°	27.68	17.079

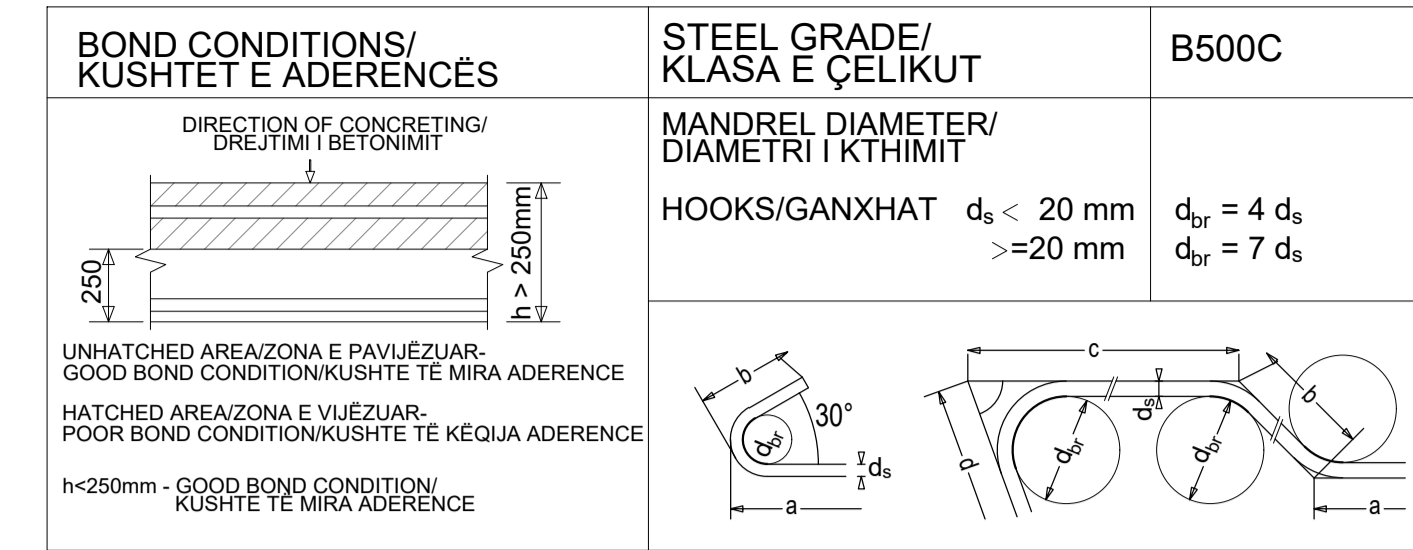
BIEGELISTE Betonstahl: B500B Bauteil: 3

Pos.	Stk.	d	Länge	abr ds	Typ	Biegeform	Ges.L	Gewicht kg
28	8	10	3.17	4	X1	98 89° 84 90° 1.28	25.36	15.647
29	9	10	7.36	4	X1	3.50 0° 3.50	66.24	40.870
30	7	10	2.06	4	X1	83 90° 81 90°	14.42	8.897
31	7	10	2.97	4	X1	90° 1.28 90° 1.28	20.79	12.827
32	2	10	7.92	4	X1	3.30 0° 3.30	15.84	9.773
33	2	10	7.60	4	X1	3.80 0° 3.80	15.20	9.378

BIEGELISTE Betonstahl: B500B Bauteil: 3

Pos.	Stk.	d	Länge	abr ds	Typ	Biegeform	Ges.L	Gewicht kg
34	2	10	6.94	4	X1	3.47 0° 3.47	13.88	8.564
35	2	10	6.62	4	X1	3.31 0° 3.31	13.24	8.169
36	4	10	2.36	4	X1	96° 90 90°	9.44	5.824
37	4	10	1.80	4	X1	90° 90 84°	7.20	4.442
38	4	10	1.80	4	X1	96° 90	7.20	4.442

Gesamtgewicht (kg) 488.800



CONCRETE CLASS/KLASA E BETONI C25/30

EXPOSURE CLASS/KLASA E EKSPOZIMIT XC4; XD2; XF1; XA1

CONCRETE COVER/SHTRESA MBROJTESE  $c_{min} = 20 \text{ mm}$ ;  $c_{nom} = 30 \text{ mm}$

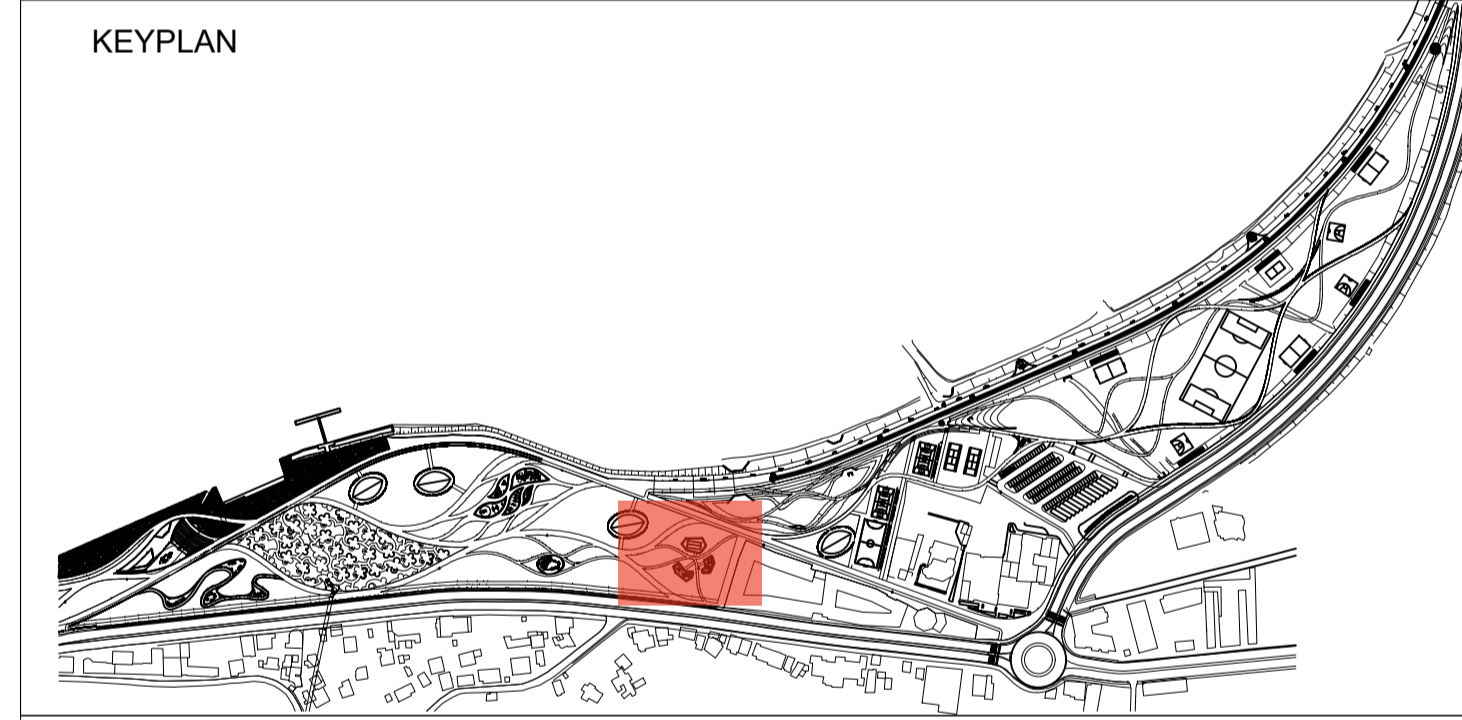
LAP LENGTH/GJATËSIA E XHUNTIMIT

BOND CONDITIONS/ADERENCA:	GOOD/E MIRË							
	DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	483	604	725	967	1208	1510	1933	

LAP LENGTH/GJATËSIA E XHUNTIMIT

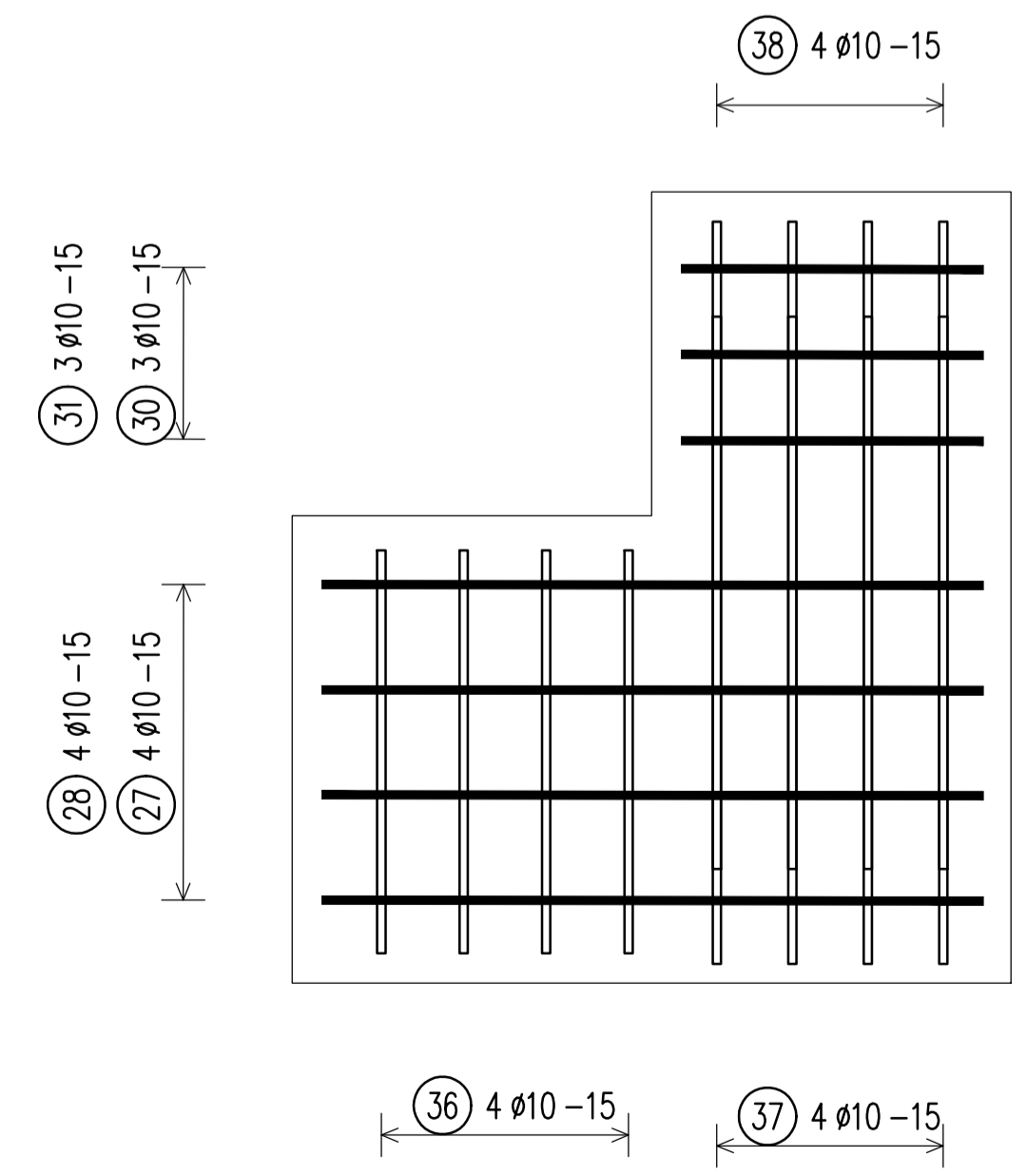
BOND CONDITIONS/ADERENCA:	POOR/E KEQE							
	DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C30/37	690	863	1036	1381	1726	2158	2762	

- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C25/30 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



SECTION/PRERJA 4-4/4'-4'

SC 1:10



CLIENT:  
ALBANIAN DEVELOPMENT FUND  
Contact person: Emi Dautaj (Menaxhëri Kontrates)  
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DD-ST-UF(L13)-15 Urban Furniture

Drawing number	Description
Detail Design	841 x 594 mm
Phase	Format
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

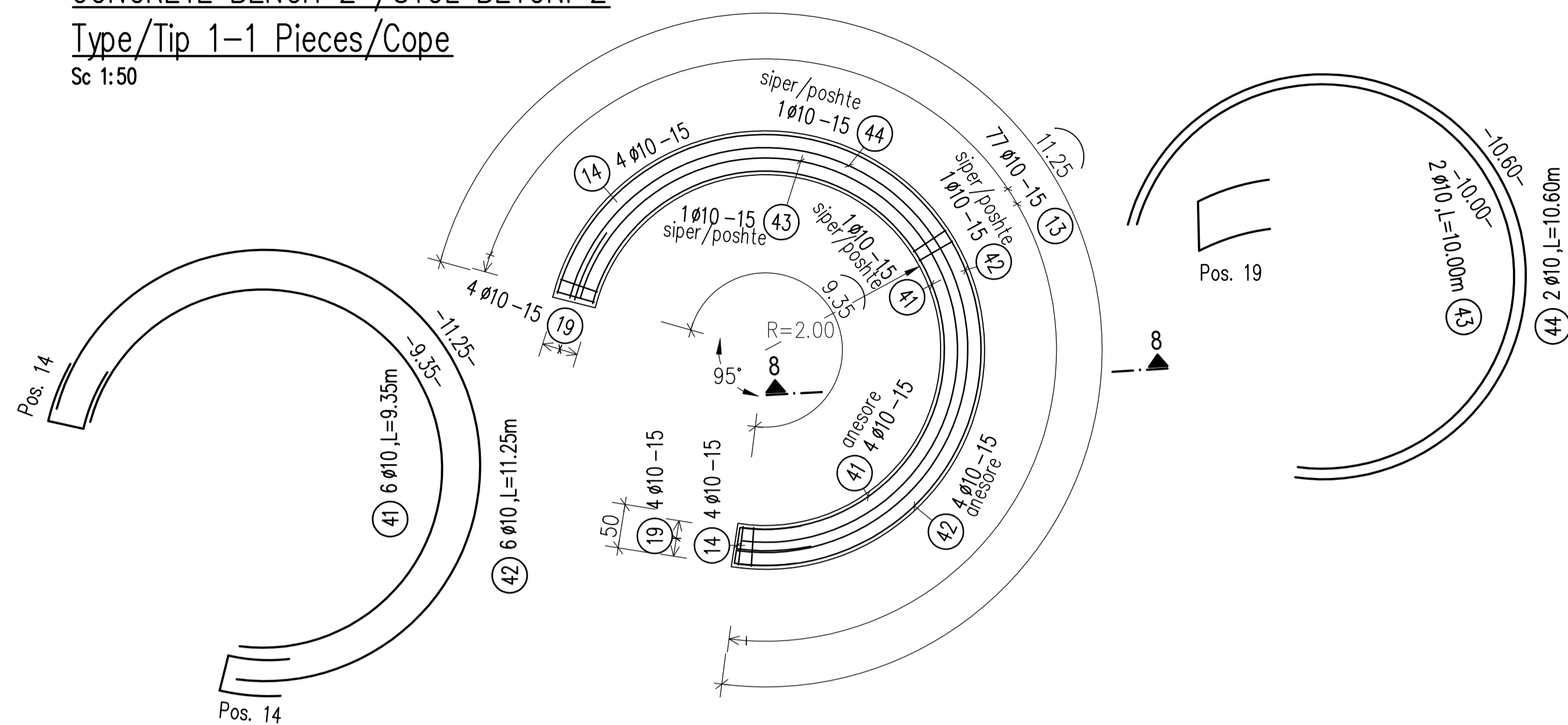
Scale: 1:100/1:10 Date: 12-10-2022



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2 /STOL BETONI 2

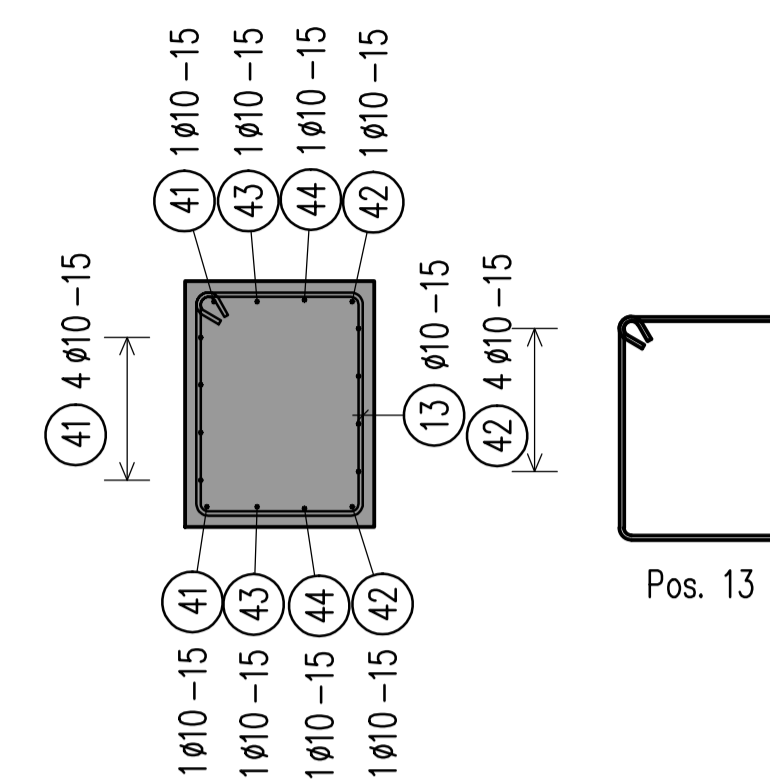
Type/Tip 1-1 Pieces/Cope

Sc 1:50



SECTION/PRERJA 8-8

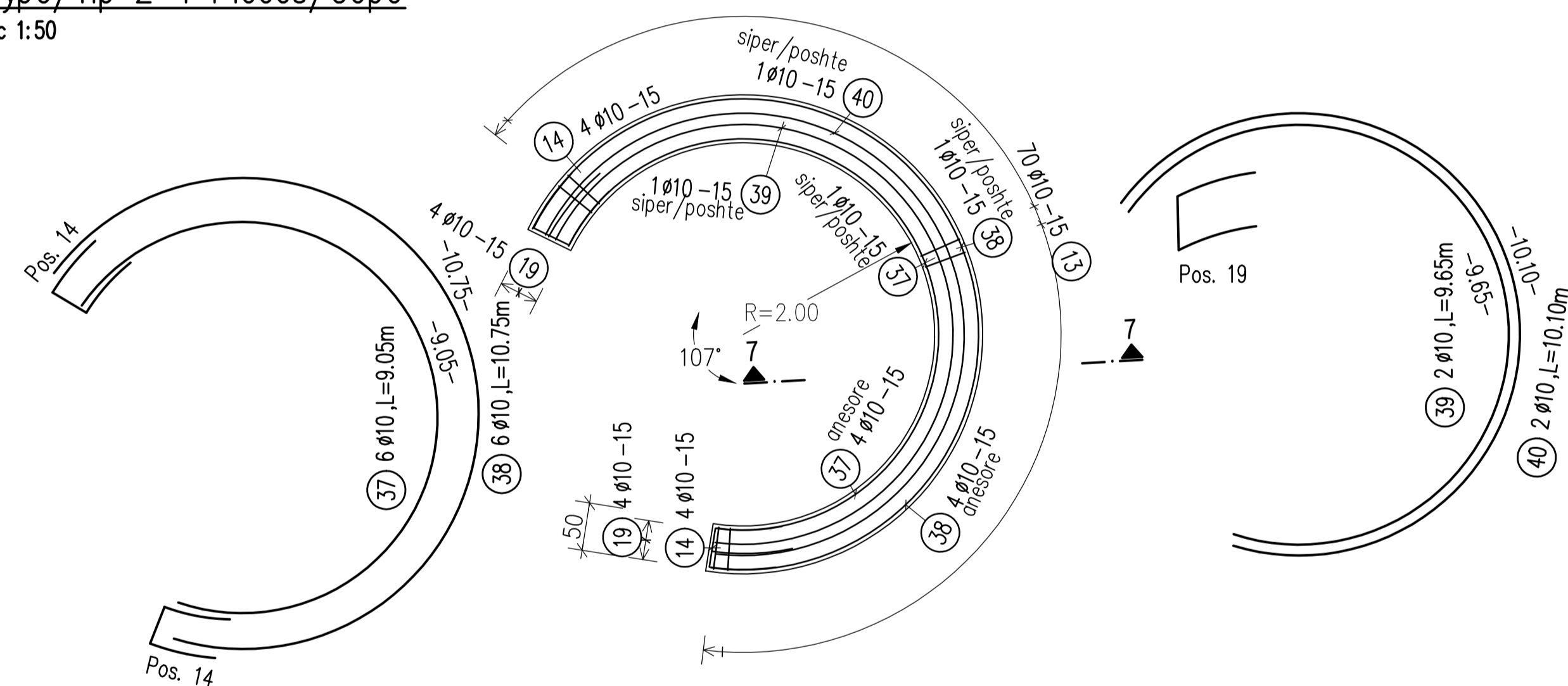
Sc 1:20



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2 /STOL BETONI 2

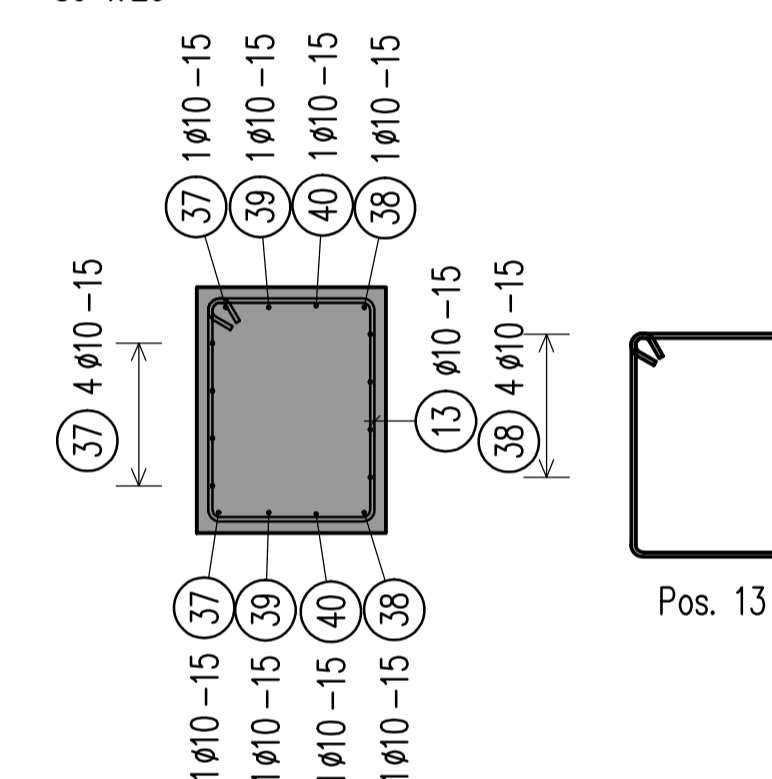
Type/Tip 2-1 Pieces/Cope

Sc 1:50



SECTION/PRERJA 7-7

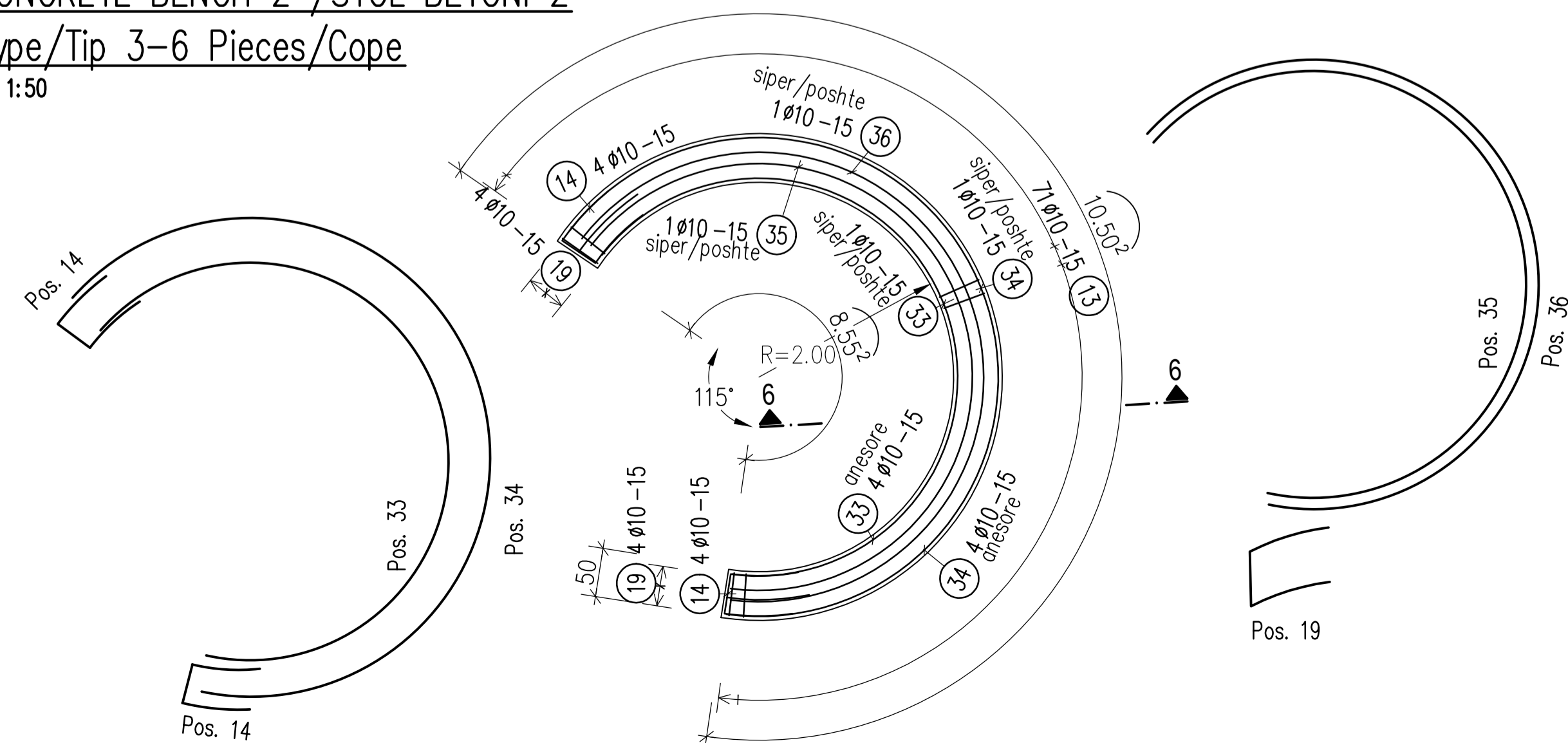
Sc 1:20



PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2 /STOL BETONI 2

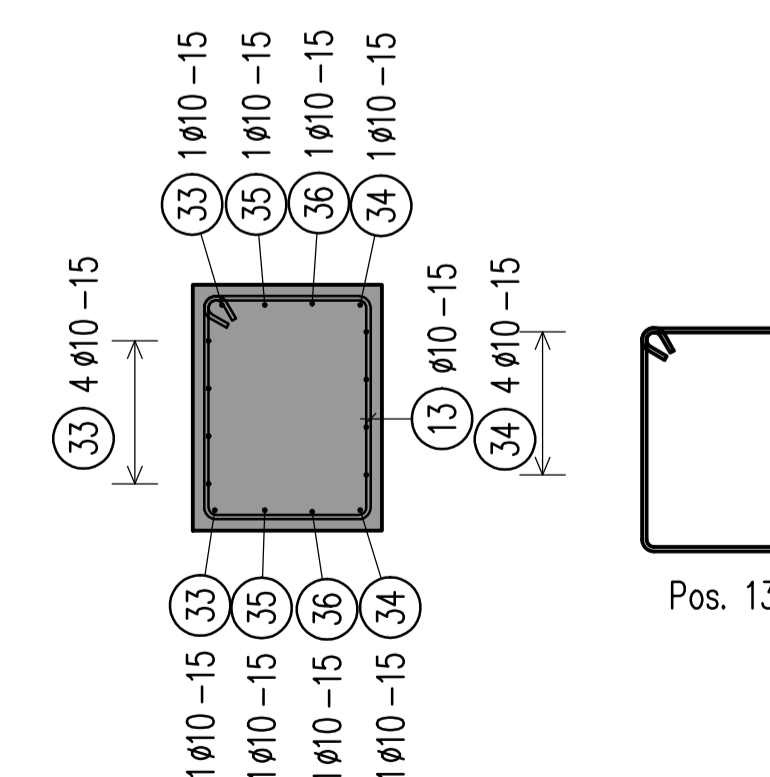
Type/Tip 3-6 Pieces/Cope

Sc 1:50



SECTION/PRERJA 6-6

Sc 1:20



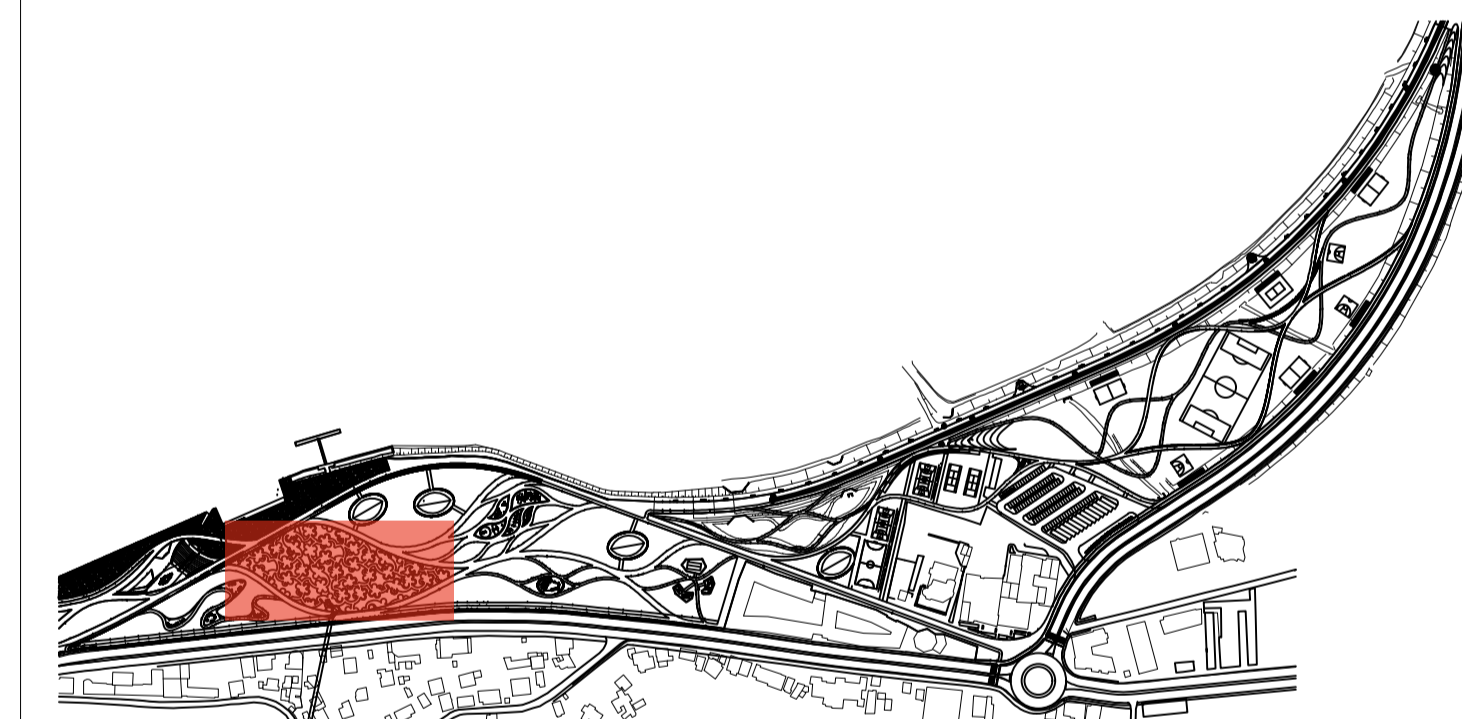
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{sr} = 4 d_s$ $> 20 \text{ mm}$ $d_{sr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR. GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VLUEZUAR. POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h < 250mm - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPozIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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DD-ST-UF-16		Urban Furniture	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:10	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

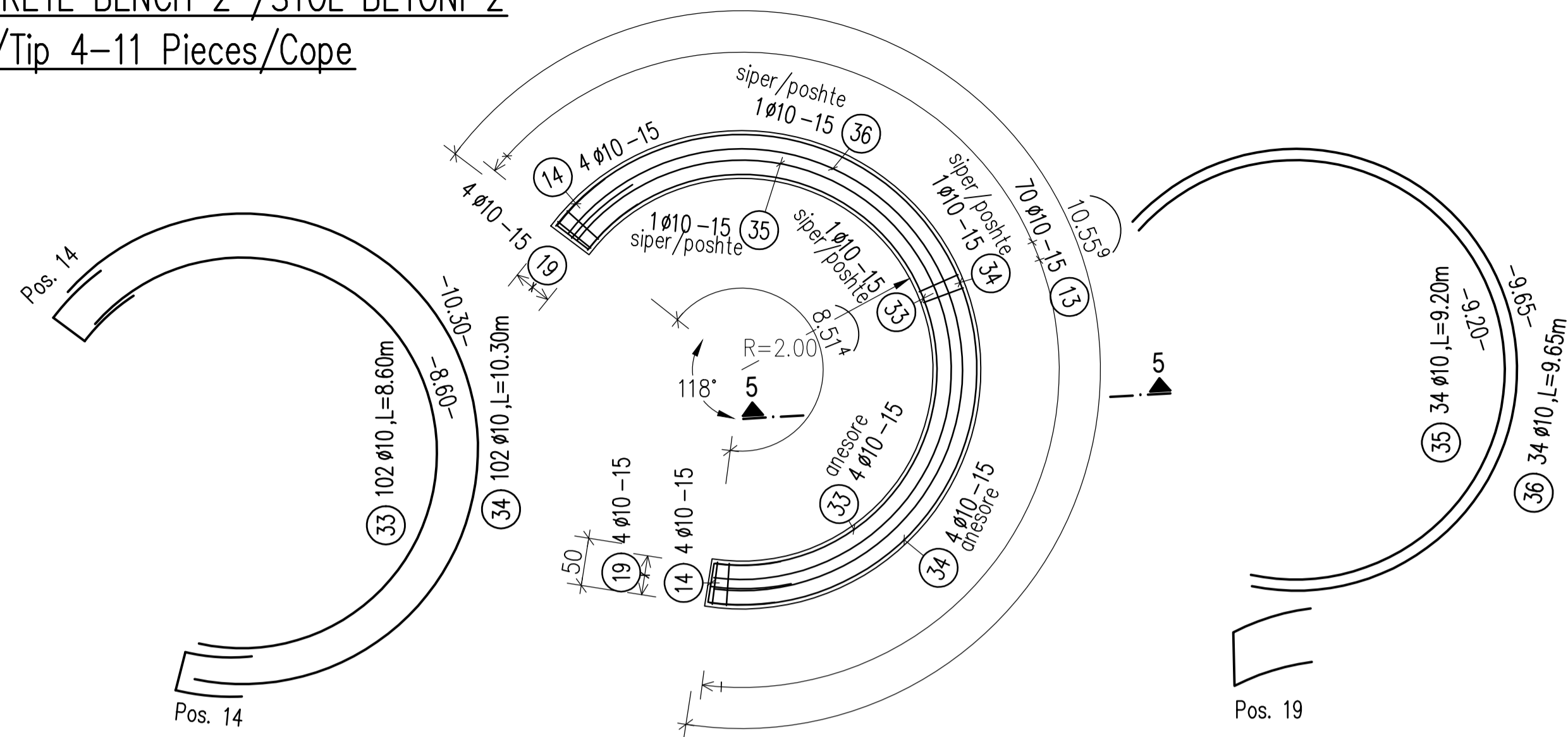


PLANVIEW/PLANIMETRIA

CONCRETE BENCH 2 /STOL BETONI 2

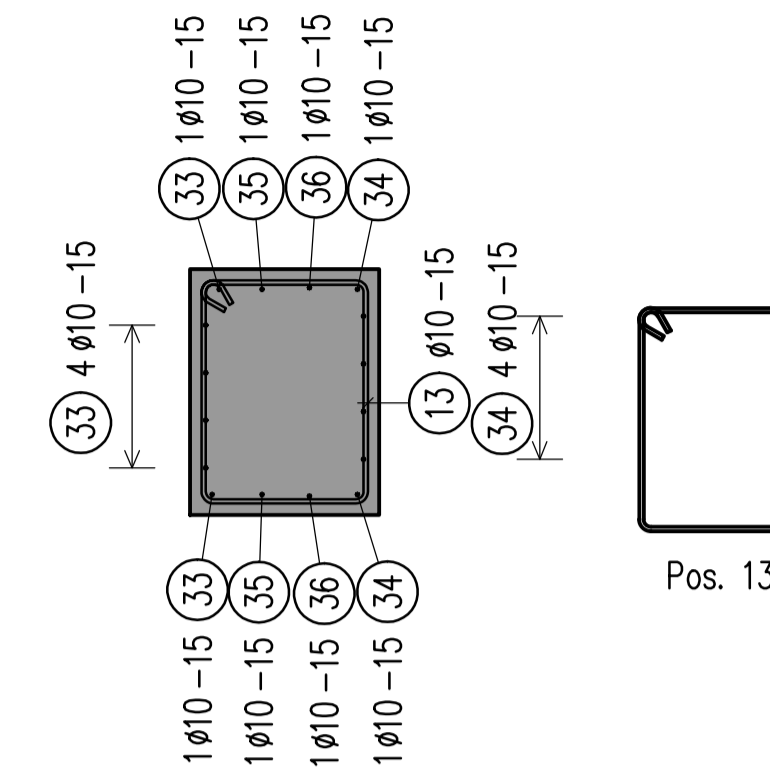
Type/Tip 4-11 Pieces/Cope

Sc 1:50



SECTION/PRERJA 5-5

Sc 1:20

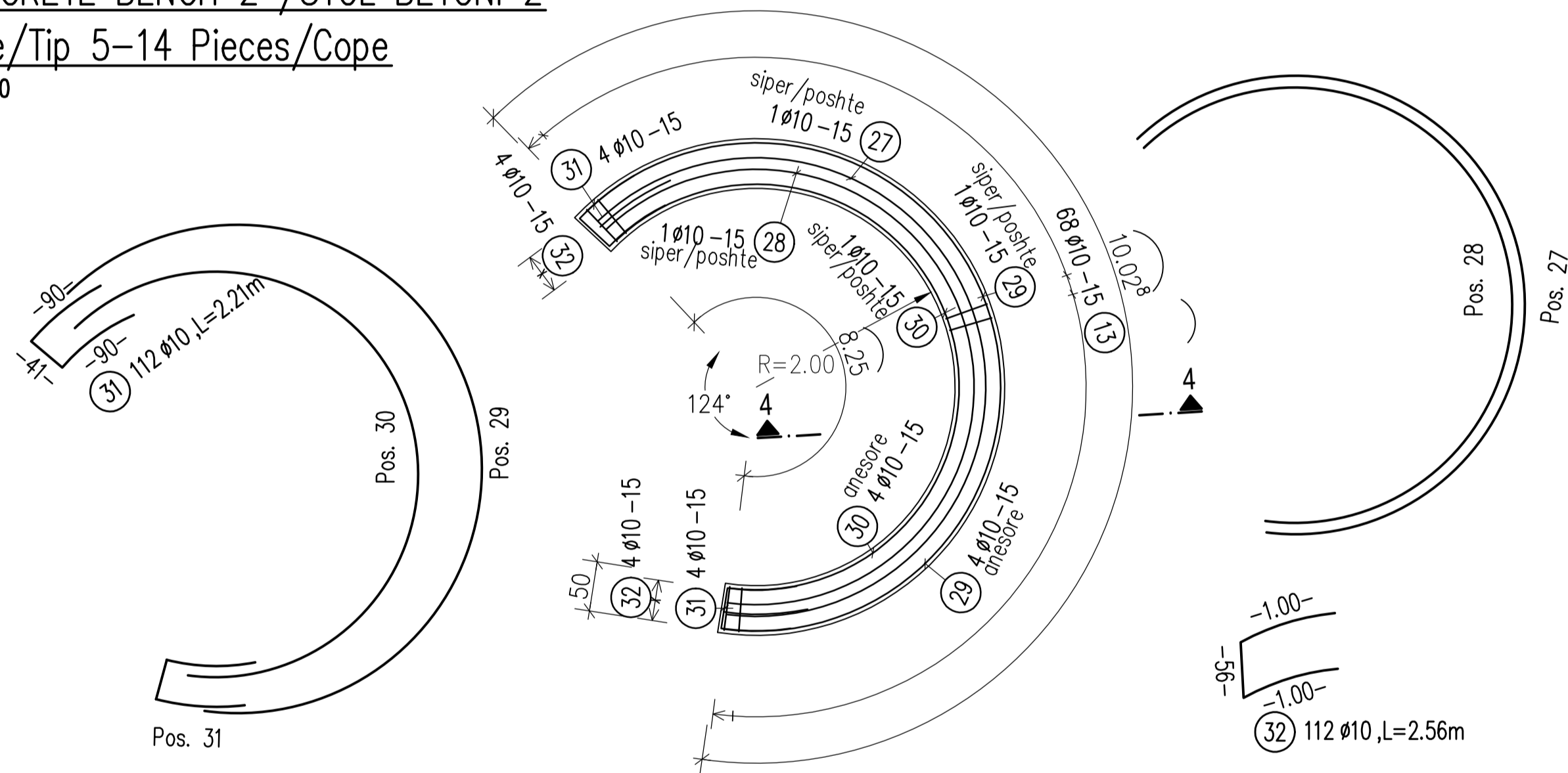


PLANVIEW/PLANIMETRIA

CONCRETE BENCH 2 /STOL BETONI 2

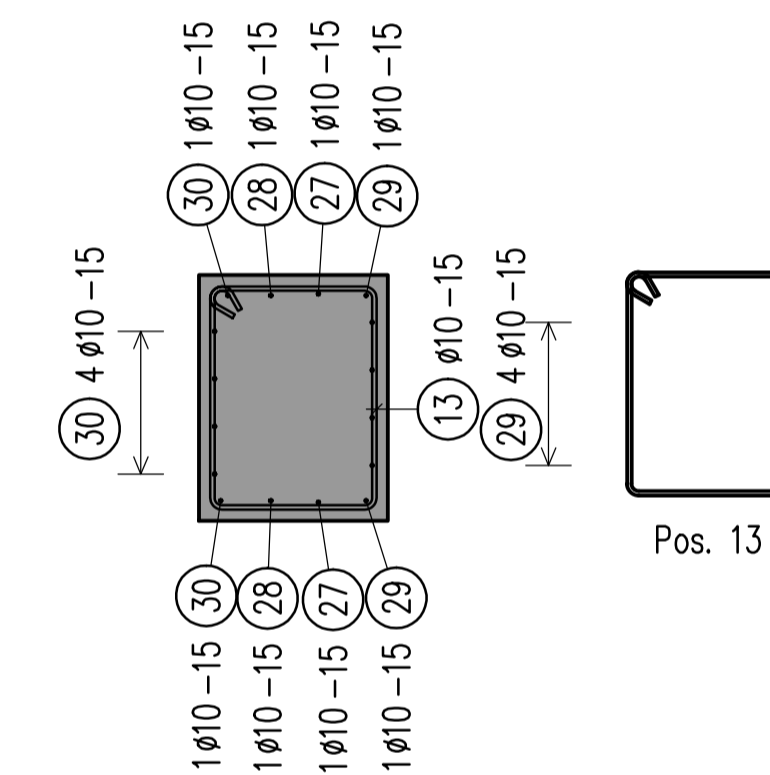
Type/Tip 5-14 Pieces/Cope

Sc 1:50



SECTION/PRERJA 4-4

Sc 1:20

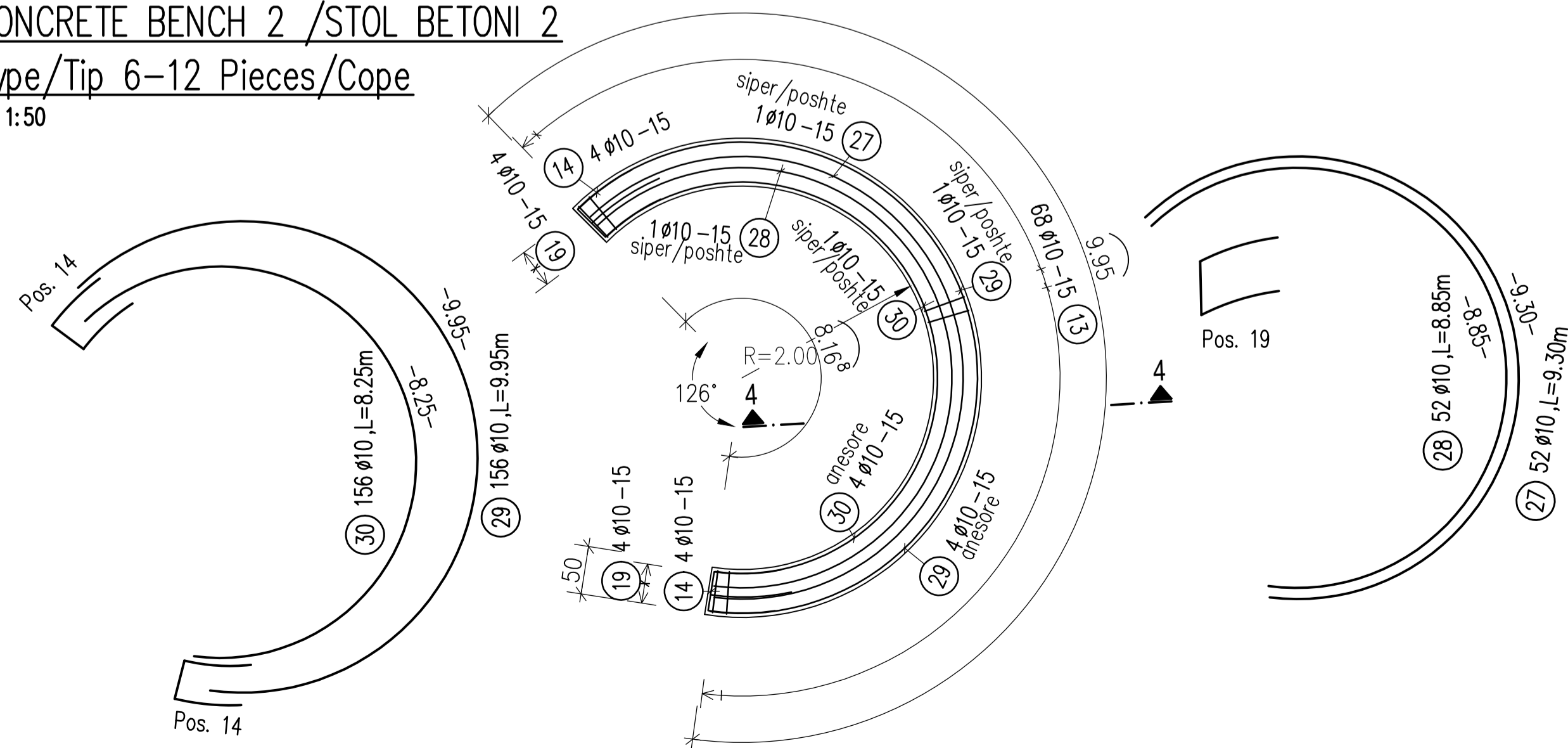


PLANVIEW/PLANIMETRIA

CONCRETE BENCH 2 /STOL BETONI 2

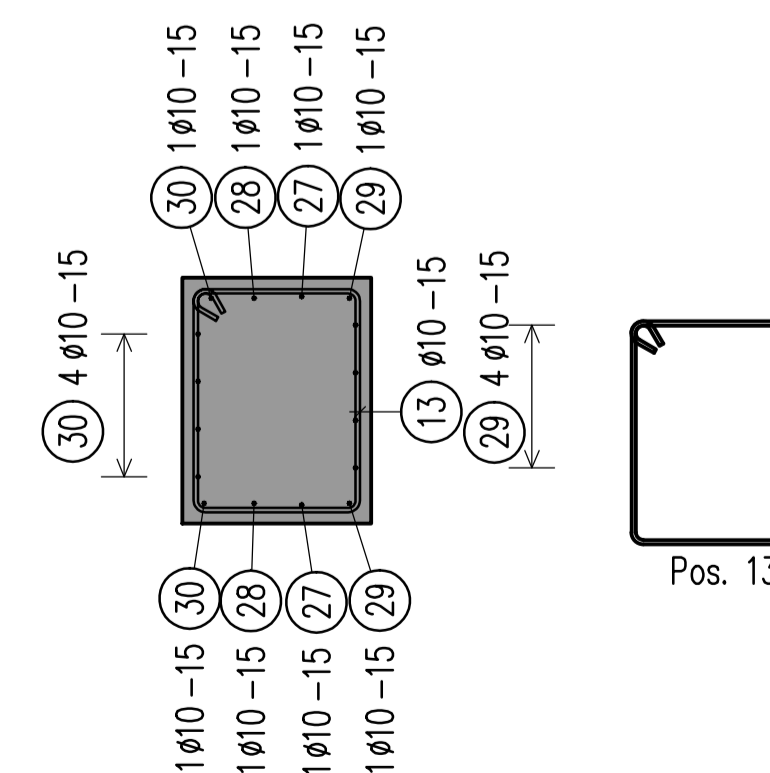
Type/Tip 6-12 Pieces/Cope

Sc 1:50



SECTION/PRERJA 4-4

Sc 1:20



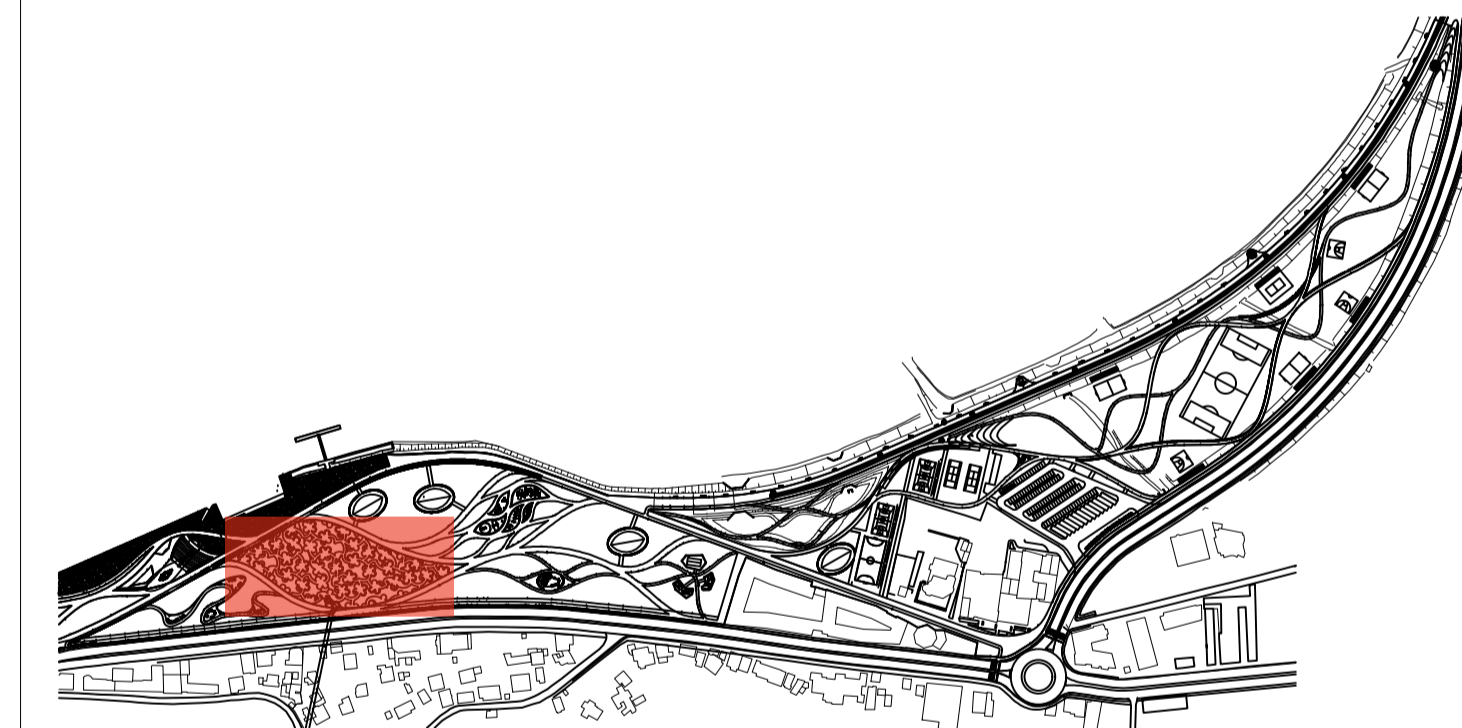
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	
UNHATCHED AREA/ZONA E PAVLUEZUAR: GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE	HOOKS/GANXHAT	$d_s < 20 \text{ mm}$ $d_{br} = 4 d_s$ $> 20 \text{ mm}$ $d_{br} = 7 d_s$
HATCHED AREA/ZONA E VJUEZUAR: POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
$h < 250 \text{ mm}$ - GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20 \text{ mm}$ ; $c_{nom} = 30 \text{ mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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DD-ST-UF-17		Urban Furniture	
Drawing number	Description		
Detailed Design	841 x 594 mm	1:100/1:50/1:10	01-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		

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SRP Albanian Engineering sh.p.k.

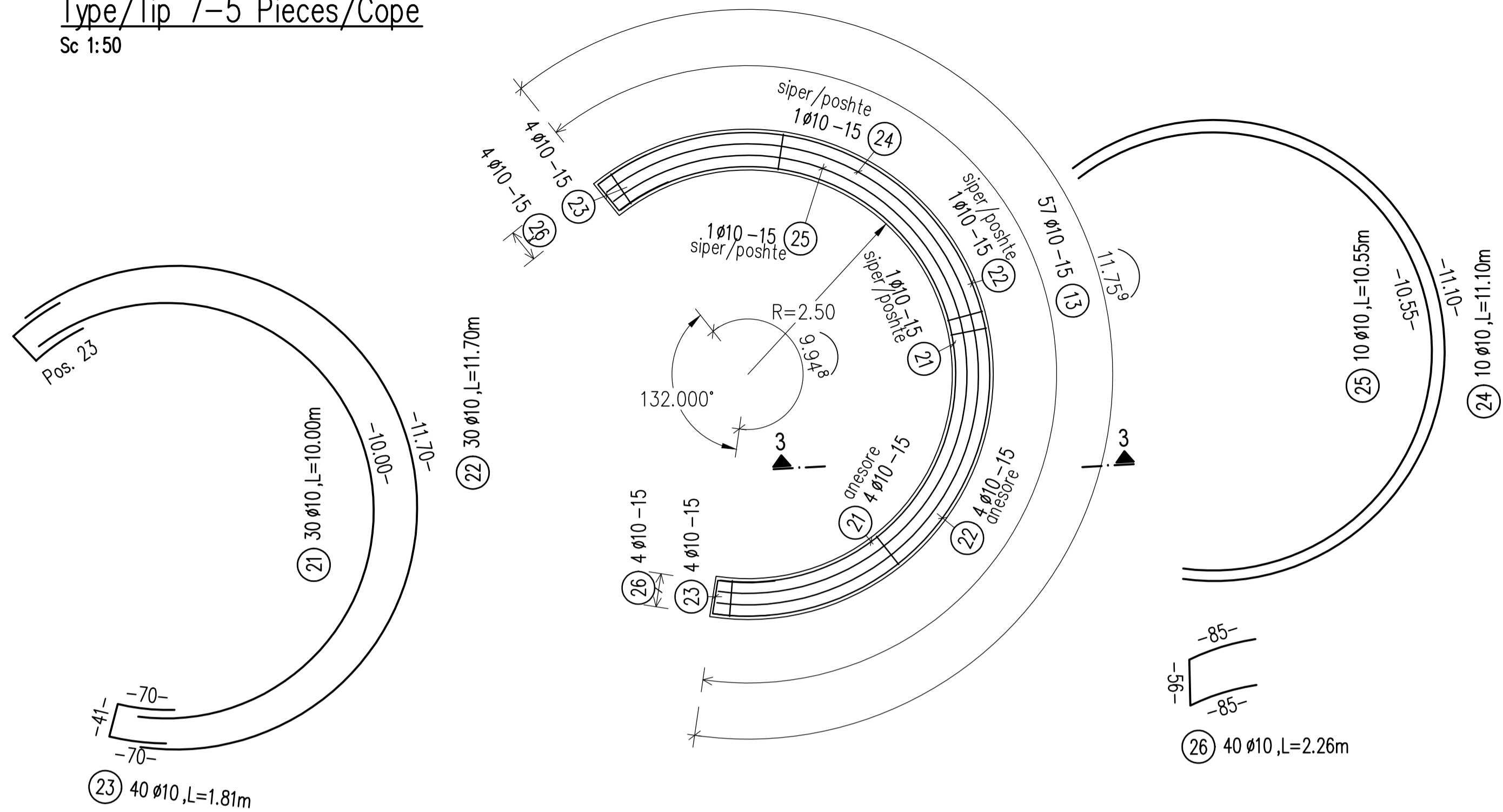
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PLANVIEW/PLANIMETRIA  
CONCRETE BENCH 2 /STOL BETONI 2

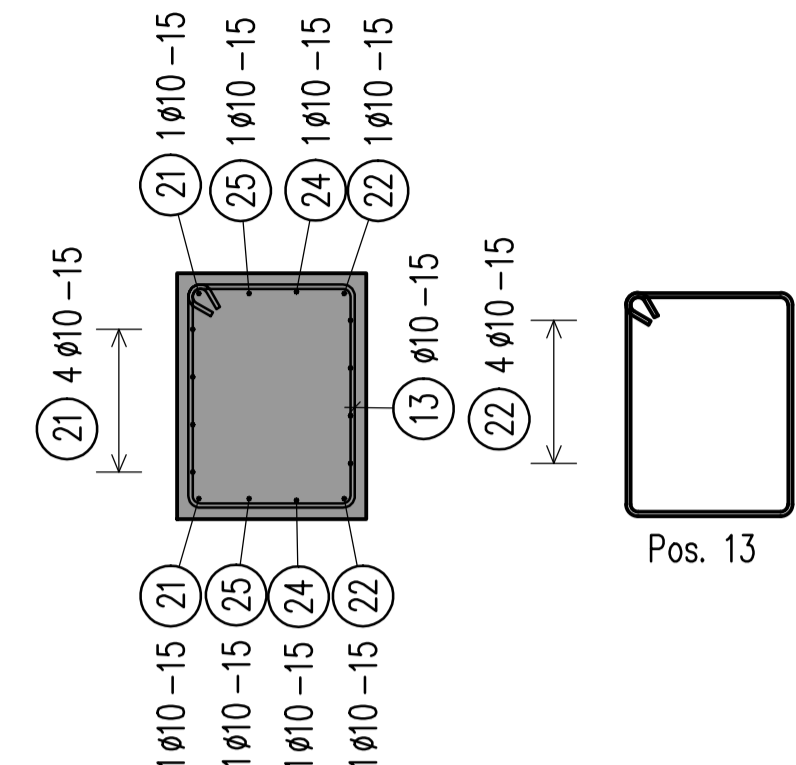
Type/Tip 7-5 Pieces/Cope

Sc 1:50



SECTION/PRERJA 3-3

Sc 1:20



BAR SCHEDULE Steelgrade: B500  
Component: CONCRETE BENCH 2-Type 1-7  
Pos. No. d Length Tot.L Weight(kg)

Pos.	No.	d	Length	Tot.L	Weight(kg)
13	3396	10	2.30	7810.80	4819.263
14	248	10	1.81	448.88	276.959
19	248	10	2.26	560.48	345.816
21	30	10	10.00	300.00	185.100
22	30	10	11.70	351.00	216.567
23	40	10	1.81	72.40	44.671
24	10	10	11.10	111.00	68.487
25	10	10	10.55	105.50	65.093
26	40	10	2.26	90.40	55.777
27	52	10	9.30	483.60	298.381
28	52	10	8.85	460.20	283.943
29	156	10	9.95	1552.20	957.707
30	156	10	8.25	1287.00	794.079
31	112	10	2.21	247.52	152.720
32	112	10	2.56	286.72	176.906
33	102	10	8.60	877.20	541.232
34	102	10	10.30	1050.60	648.220
35	34	10	9.20	312.80	192.998
36	34	10	9.65	328.10	202.438
37	6	10	9.05	54.30	33.503
38	6	10	10.75	64.50	39.796
39	2	10	9.65	19.30	11.908
40	2	10	10.10	20.20	12.463
41	6	10	9.35	56.10	34.614
42	6	10	11.25	67.50	41.647
43	2	10	10.00	20.00	12.340
44	2	10	10.60	21.20	13.080

Total steelqu.  
d(mm) Tot.L kg/m Weight(kg)  
10 17059.50 0.617 10525.711  
Total weight (kg) 10525.711

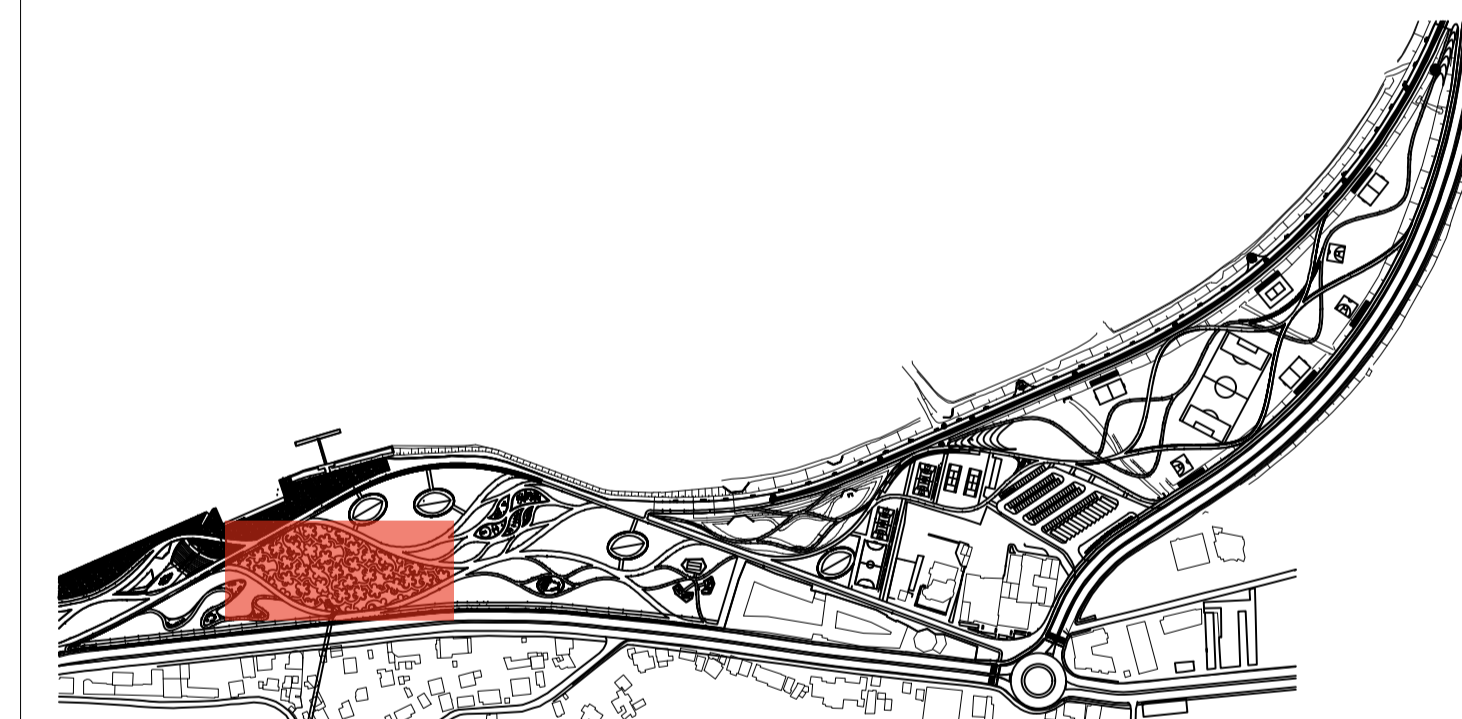
BOND CONDITIONS/ KUSHTET E ADERENCËS	STEEL GRADE/ KLASA E ÇELIKUT	B500C
DIRECTION OF CONCRETING/ DREJTIMI I BETONIMIT	MANDREL DIAMETER/ DIAMETRI I KTHIMIT	$d_s < 20 \text{ mm}$ $d_{tr} = 4 d_s$ $d_s > 20 \text{ mm}$ $d_{tr} = 7 d_s$
UNHATCHED AREA/ZONA E PAVLUEZUAR- GOOD BOND CONDITION/KUSHTE TE MIRA ADERENCE		
HATCHED AREA/ZONA E VJEUZUAR- POOR BOND CONDITION/KUSHTE TE KEQJA ADERENCE		
h=250mm- GOOD BOND CONDITION/ KUSHTE TE MIRA ADERENCE		

CONCRETE CLASS/KLASA E BETONI	C25/30
EXPOSURE CLASS/KLASA E EKSPOZIMIT	XC4; XD2; XF1; XA1
CONCRETE COVER/SHTRESA MBROJTESE	$c_{min} = 20\text{mm}$ ; $c_{nom} = 30\text{mm}$

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	GOOD/E MIRË						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	483	604	725	967	1208	1510	1933

LAP LENGTH/GJATËSIA E XHUNTIMIT							
BOND CONDITIONS/ADERENCA:	POOR/E KEQE						
DIAMETER/DIAMETRI	8	10	12	16	20	25	32
CONCRETE CLASS/BETONI C25/30	690	863	1036	1381	1726	2158	2762

- Të gjitha koordinatat janë në UTM WGS84 34N.
- Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
- Klasa e betonit duhet të jetë C30/37 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
- Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
- Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
- Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
- Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.



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DD-ST-UF-18 Urban Furniture	
Drawing number	Description
Detailed Design	841 x 594 mm 1:100/1:50/1:10 01-09-2022
Phase	Format Scale Date
L077	Master Plan of Interventions at the Entrance of Shkodra
Project number	Project name

BENDING SCHEDULE Steelgrade: B500 Component: CONCRETE BENCH 2									
Pos.	No.	d	Length	dbr ds	type	shape code	Tot.L	Weight kg	
13	3396	10	2.30	4	B1	Hook length=10.5	7810.80	4819.263	
14	248	10	1.81	4	X1		448.88	276.959	
19	248	10	2.26	4	X1		560.48	345.816	
21	30	10	10.00	4	X1		300.00	185.100	
22	30	10	11.70	4	X1		351.00	216.567	
23	40	10	1.81	4	X1		72.40	44.671	
24	10	10	11.10	4	X1		111.00	68.487	

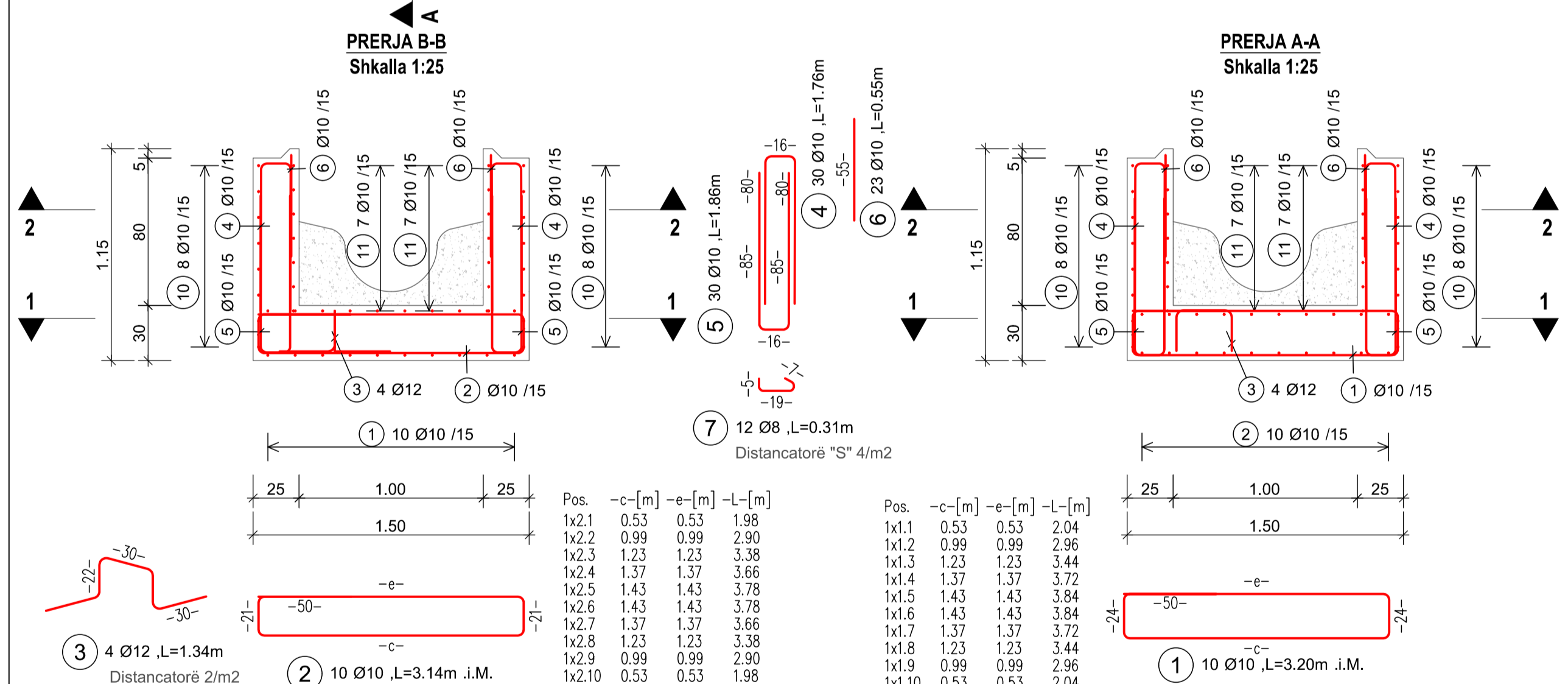
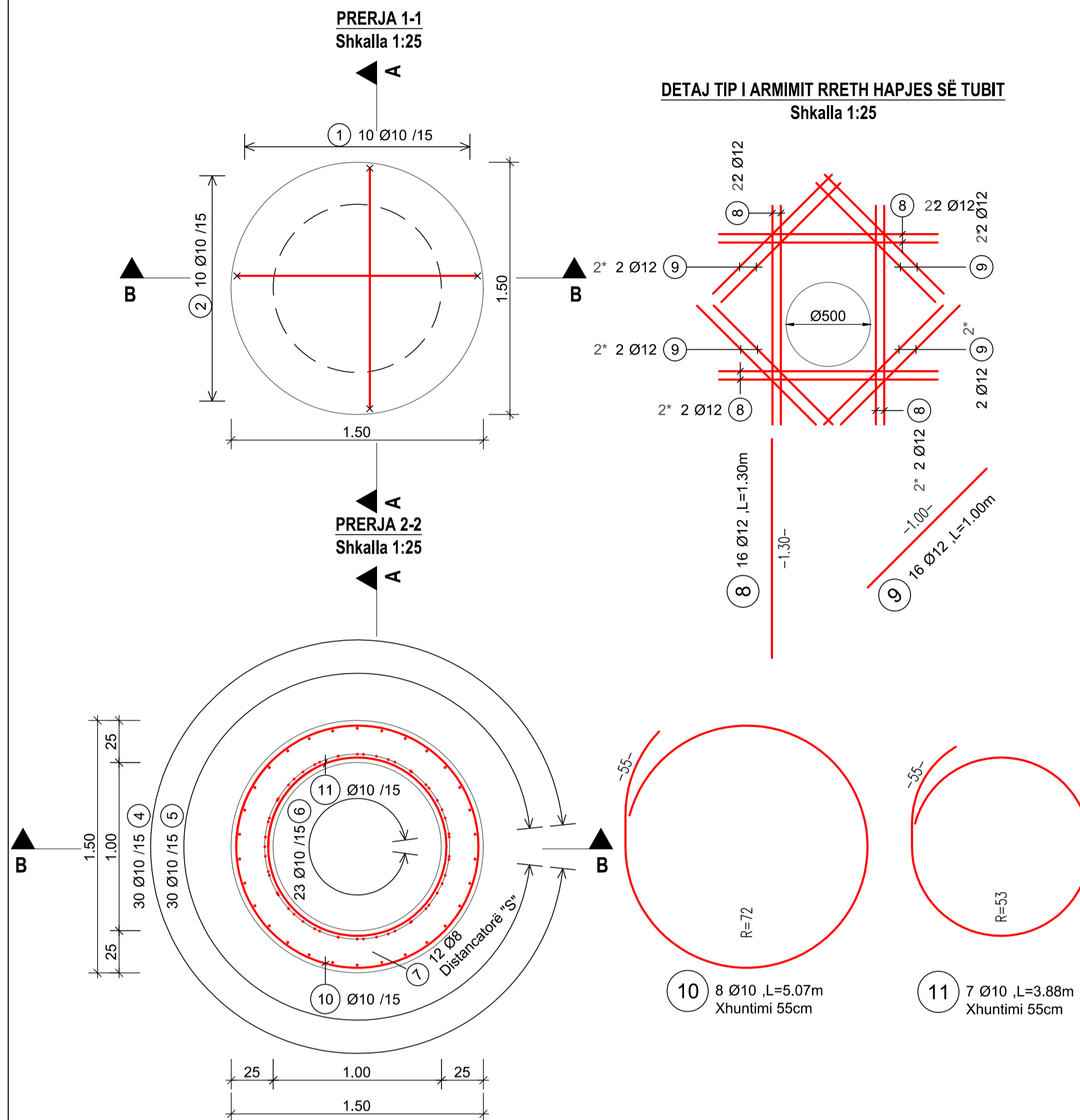
BENDING SCHEDULE Steelgrade: B500									
Pos.	No.	d	Length	dbr ds	type	shape code	Tot.L	Weight kg	
25	10	10	10.55	4	X1		105.50	65.093	
26	40	10	2.26	4	X1		90.40	55.777	
27	52	10	9.30	4	X1		483.60	298.381	
28	52	10	8.85	4	X1		460.20	283.943	
29	156	10	9.95	4	X1		1552.20	957.707	
30	156	10	8.25	4	X1		1287.00	794.079	
31	112	10	2.21	4	X1		247.52	152.720	

BENDING SCHEDULE Steelgrade: B500									
Pos.	No.	d	Length	dbr ds	type	shape code	Tot.L	Weight kg	
32	112	10	2.56	4	X1		286.72	176.906	
33	102	10	8.60	4	X1		877.20	541.232	
34	102	10	10.30	4	X1		1050.60	648.220	
35	34	10	9.20	4	X1		312.80	192.998	
36	34	10	9.65	4	X1		328.10	202.438	
37	6	10	9.05	4	X1		54.30	33.503	
38	6	10	10.75	4	X1		64.50	39.796	

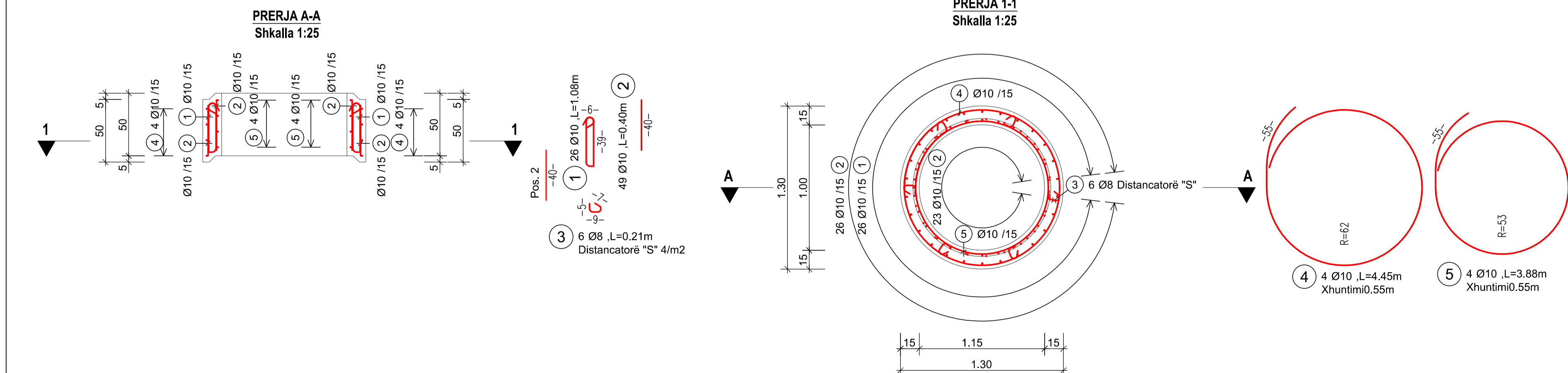
BENDING SCHEDULE Steelgrade: B500									
Pos.	No.	d	Length	dbr ds	type	shape code	Tot.L	Weight kg	
39	2	10	9.65	4	X1		19.30	11.908	
40	2	10	10.10	4	X1		20.20	12.463	
41	6	10	9.35	4	X1		56.10	34.614	
42	6	10	11.25	4	X1		67.50	41.647	
43	2	10	10.00	4	X1		20.00	12.340	
44	2	10	10.60	4	X1		21.20	13.080	
							Total weight (kg)	10525.711	



**ARMIMI I BAZËS SË PUSETËS D1000**



**ARMIMI I PUSETËS D1000 - H=0.5m**



**PUSETA D1000 - H=0.5m: TABELA E ARMIMIT**

Poz.	Diam.	Nr.	Gjatësia e shufrës	Gjatësia totale	Øs dbr	Tipi	Ganjha	Forma										
								a	b	c	d	e	R	h	90			
1	10	26	1080	2800	4	31	2	2	60	390	60	390						
2	10	49	400	1960	4	00			400									
3	8	6	210	1260	4	00	1	2	90						50		70	
4	10	4	4450	17800	4	67			4446									610
5	10	4	3880	15520	4	67			3880									520

Lista Totale  
 d(mm) L.Tot kg/m Peshë(kg)  
 8 1260 0.395 0.498  
 10 81000 0.617 49.977  
 Gesamtgewicht (kg) 50.475

**BAZA E PUSETËS D1500: TABELA E ARMIMIT**

Poz.	Diam.	Nr.	Gjatësia e shufrës	Gjatësia totale	Øs dbr	Tipi	Ganjha	Forma											
								a	b	c	d	e	R	h	90				
1	10	10		32000	4	41			500	240	530	240	530						
2	10	10		31400	4	41			500	210	530	210	530						
3	12	4	1340	5360	4	99													
4	10	30	1760	52800	4	99													
5	10	30	1860	55800	4	99													
6	10	23	550	12650	4	00			550										
7	8	12	310	3720	4	00	1	2	190									50	70
8	12	16	1300	20800	4	00			1300										
9	12	16	1000	16000	4	00			1000										
10	10	8	5070	40560	4	67			5074										710
11	10	7	3880	27160	4	67			3880										520

Lista Totale  
 d(mm) L.Tot kg/m Peshë(kg)  
 8 3720 0.395 1.469  
 10 252370 0.617 155.712  
 12 42160 0.888 37.438  
 Peshë Totale (kg) 194.619

**KUSHTET E ADERENCËS**

**KLASA E ÇELIKUT** B500C

**DIAMETRI I KTHIMIT**

GANXHAT  $d_s < 20 \text{ mm}$   $d_{br} = 4 d_s$   
 $>= 20 \text{ mm}$   $d_{br} = 7 d_s$

**KLASA E BETONIT** C35/45

**KLASA E EKSPOZIMIT** XC4; XD2; XF1; XA1

**SHTRESA MBROJTËSE**  $c_{min} = 20 \text{ mm}$ ;  $c_{nom} = 30 \text{ mm}$

**GJATËSIA E XHUNTIMIT**

ADERENCA:	E MIRË			E KEQE		
DIAMETRI	8	10	12	8	10	12
BETONI C30/37	435	544	653	621	777	932

**LEGJENDA DHE SHENIMET**

- SHËNIME**
- Të gjitha koordinatat janë në UTM WGS84 34N.
  - Të gjitha dimensionet janë në cm, nëse nuk specifikohet ndryshe.
  - Klasa e betonit duhet të jetë C35/45 me çimento rezistence ndaj sulfatit, nëse nuk specifikohet ndryshe.
  - Përpara hedhjes së betonit, të gjitha fugat e betonimit duhet të pastrohen me ujë dhe ajër të kompresuar.
  - Gjatësia e shufrave i referohet dimensioneve të jashtme të saj.
  - Shufrat e çelikut duhet të jenë të pastra nga ndryshku, pluhuri ose nga ndonjë material tjetër që mund të shkaktojë korrodimin e saj.
  - Nëse nuk specifikohet ose tregohet ndryshe në vizatime, gjatësia e xhuntimit të shufrave duhet të jetë e barabartë me vlerat e treguara në tabelën e mësipërme të gjatësive të xhuntimit.

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DD-ST-WW-01	Structure Detail Manhole 1000mm		
Drawing number	Description		
Detail Design	594x841mm	1:25	20-09-2022
Phase	Format	Scale	Date
L077	Master Plan of Interventions at the Entrance of Shkodra		
Project number	Project name		
casanova+herandez architects			
SRP Schneider & Partner, Ingenieur-Consult GmbH			
SRP Albanian Engineering sh.p.k			

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