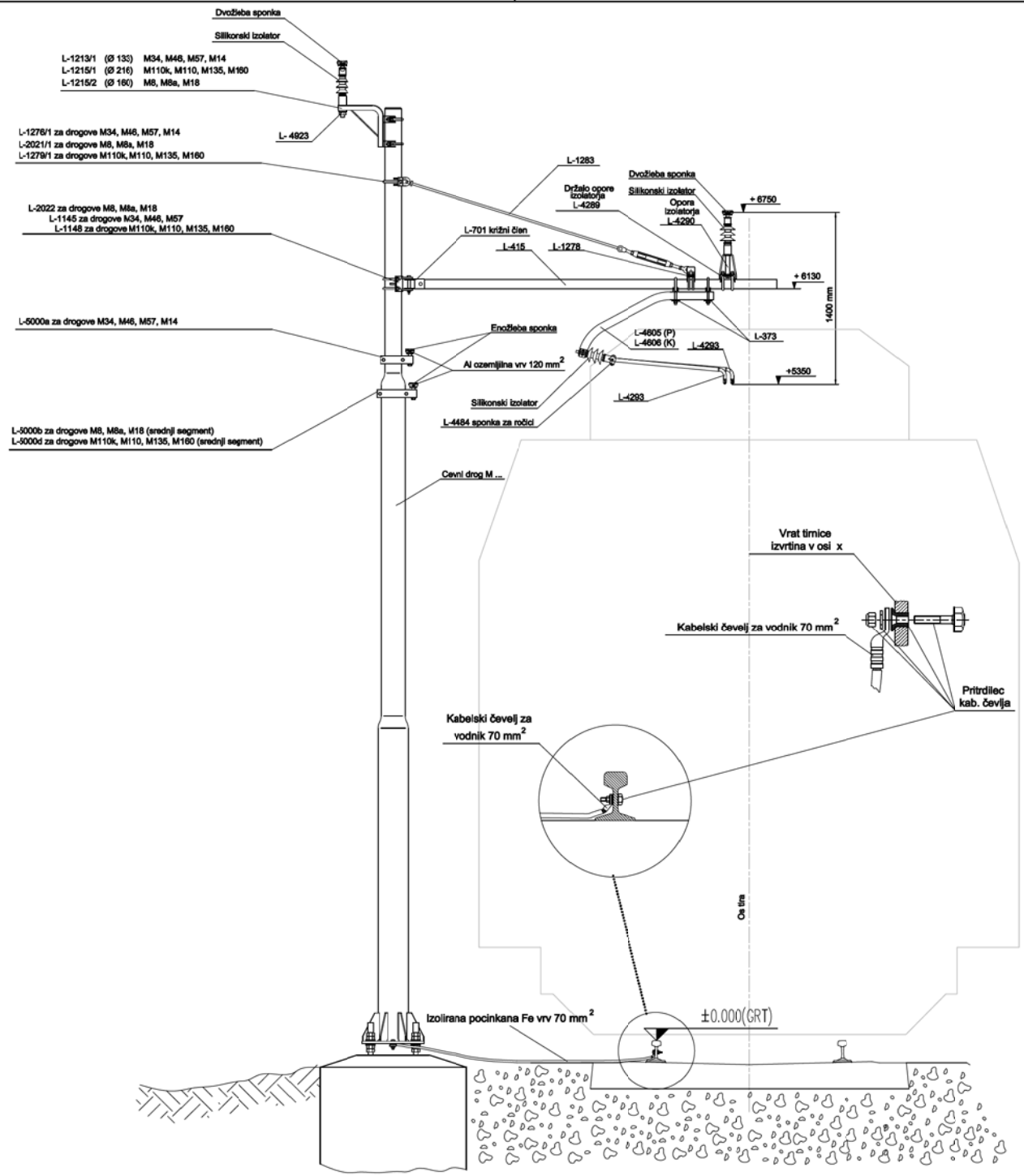
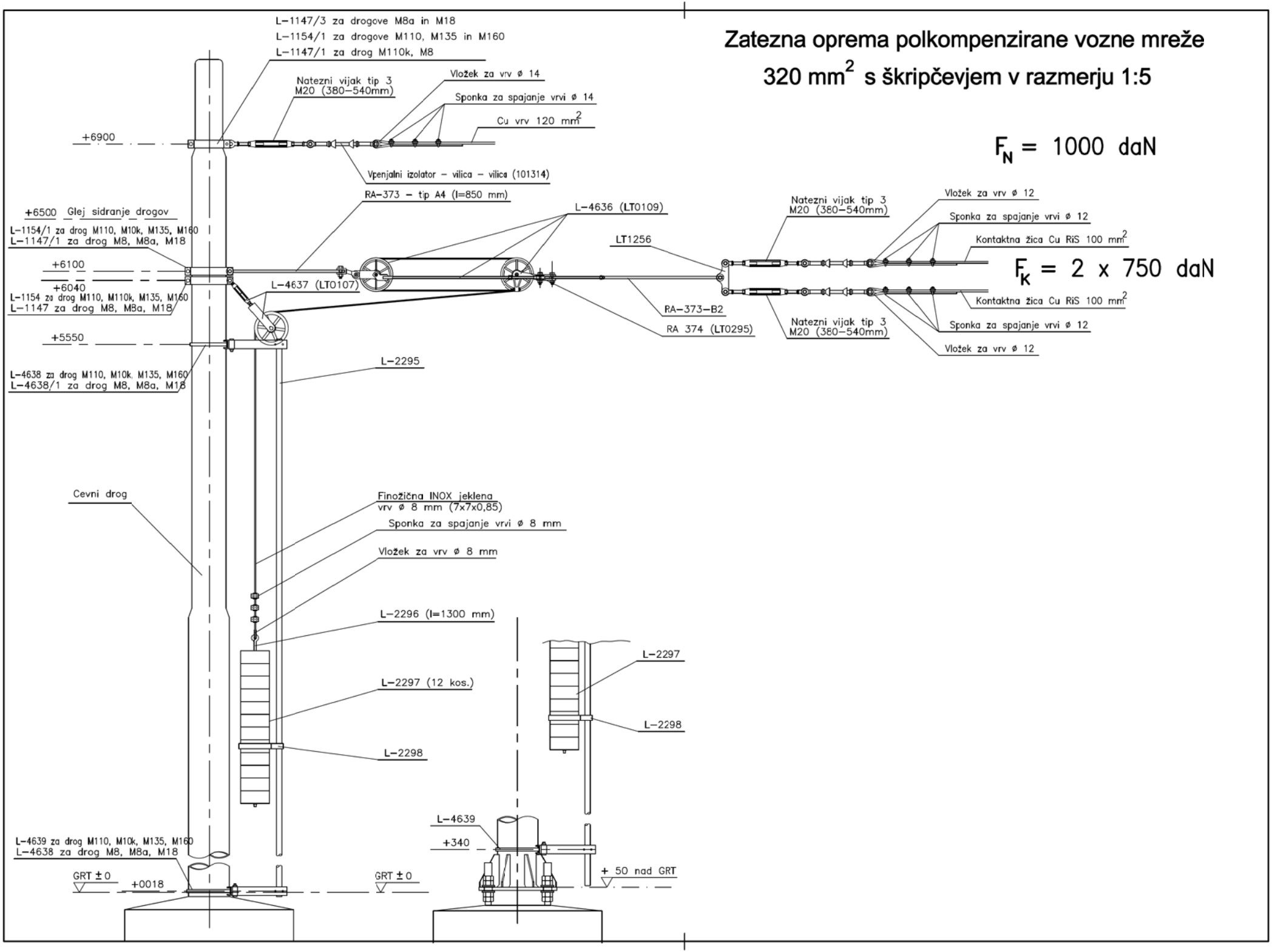
PREGLED VODNIKOV, KI SE UPORABLJAJO ZA ELEKTRIFIKACIJO PROG

NAZIVNI PRESEK	STVARNI PRESEK	*KONSTRUKCIJA*	ZUNANJI PREMER	OHMSKI POR (pri 20°C)	TEŽA	MATERIAL	STANDARD	OPOMBA
mm^2	mm^2	mm	mm	Ω/km	kg/km			
Bakrena vrv 185	181,62	37x ϕ 2,5	17,50	0,098	1649	Elektr. Cu	SIST EN 50182 SIST EN 13601 DIN 48201	Trdovlečen
Aluminijasta vrv 150	147,10	37x ϕ 2,25	15,7	0,18	406	Al 3	SIST EN 50182 SIST EN 13601 DIN 48201	
Bakrena vrv 150	147,10	37x ϕ 2,25	15,7	0,121	1337	Elektr. Cu	SIST EN 50182 SIST EN 13601 DIN 48201	
Bakrena vrv 120	116,99	19 x ϕ 2,8	14,0	0,152	1060	Elektr. Cu	SIST EN 50182 SIST EN 13601 DIN 48201	Trdovlečen
Izolirana bakrena vrv 120	116,99	19 x ϕ 2,8	14,0	0,152	1293	Elektr. Cu + PVC (1kV)	SIST EN 50182 SIST EN 13601 DIN 48201	
Bakrena vrv 95	93,27	19 x ϕ 2,5	12,5	0,187	845	Elektr. Cu	SIST EN 50182 SIST EN 13601 DIN 48201	Trdovlečen
Bakrena vrv 86,5	86,50	37 x ϕ 1,7	12,0	0,202	770	Elektr. Cu	CEI 7-1/CEI 20	Mehka
Bakrena vrv 70	65,81	19 x ϕ 2,1	10,5	0,277	596	Elektr. Cu	SIST EN 50182 SIST EN 13601 DIN 48201	Trdovlečen
Bronena vrv 16	16,485	84 x 0,5	6,2	-	150	Bz II	DIN 43138	-
Bakrena žica ϕ 5	19,64	-	5+/-0,08	0,8775	174,751	Elektr. Cu	DIN 1766	Poltrda
Bakrena žica RiS 100	100,00	-	12,0	0,1786	890	Ag – Cu DIN 17666	SIST EN 50149 DIN 43141 DIN 43140	Trda Cu Ag 0,1
Jeklena pocinkana vrv 70 - mehka	68,70	19 x ϕ 2,1	10,5	1,895	540	Pocinkano jeklo St 1	SIST EN 50182 SIST EN 50189 SIST EN 10218 SIST EN 10264 DIN 48201 VDE 0141-0675	Mehka jeklena vrv
Jeklena pocinkana vrv 70 - srednja						Pocinkano jeklo St 2		Poltrda jeklena vrv
Jeklena pocinkana vrv 70 - trda						Pocinkano jeklo St 3		Trda jeklena vrv
Izolirana jeklena pocinkana vrv 70 - mehka						Pocinkano jeklo St 1 + PVC (1kV)		Mehka jeklena vrv



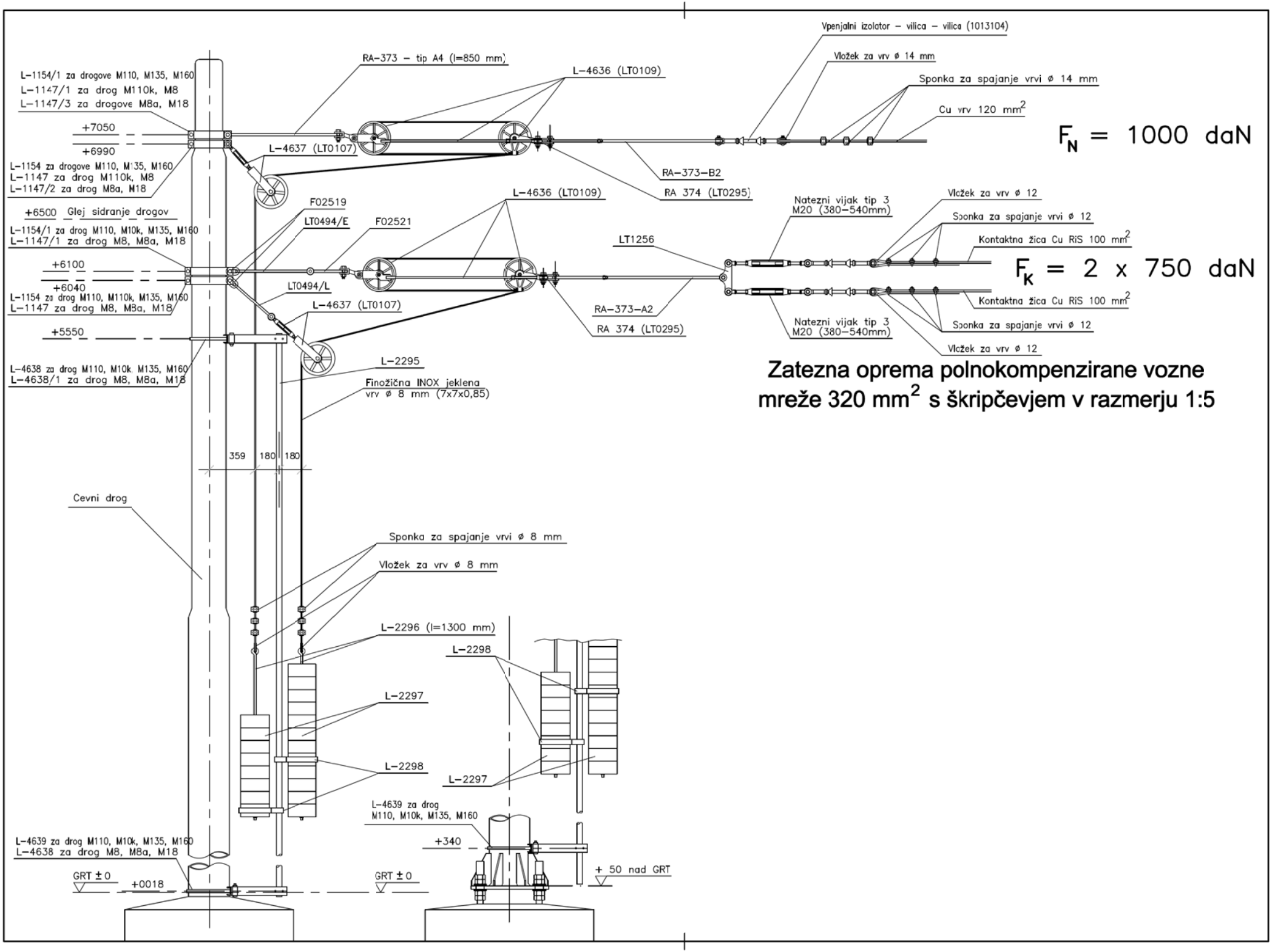
Prikaz postavitve droga z opremo VV

Zatezna oprema polkompenzirane vozne mreže 320 mm^2 s škripčevjem v razmerju 1:5



F_N = 1000 daN

F_K = 2 x 750 daN

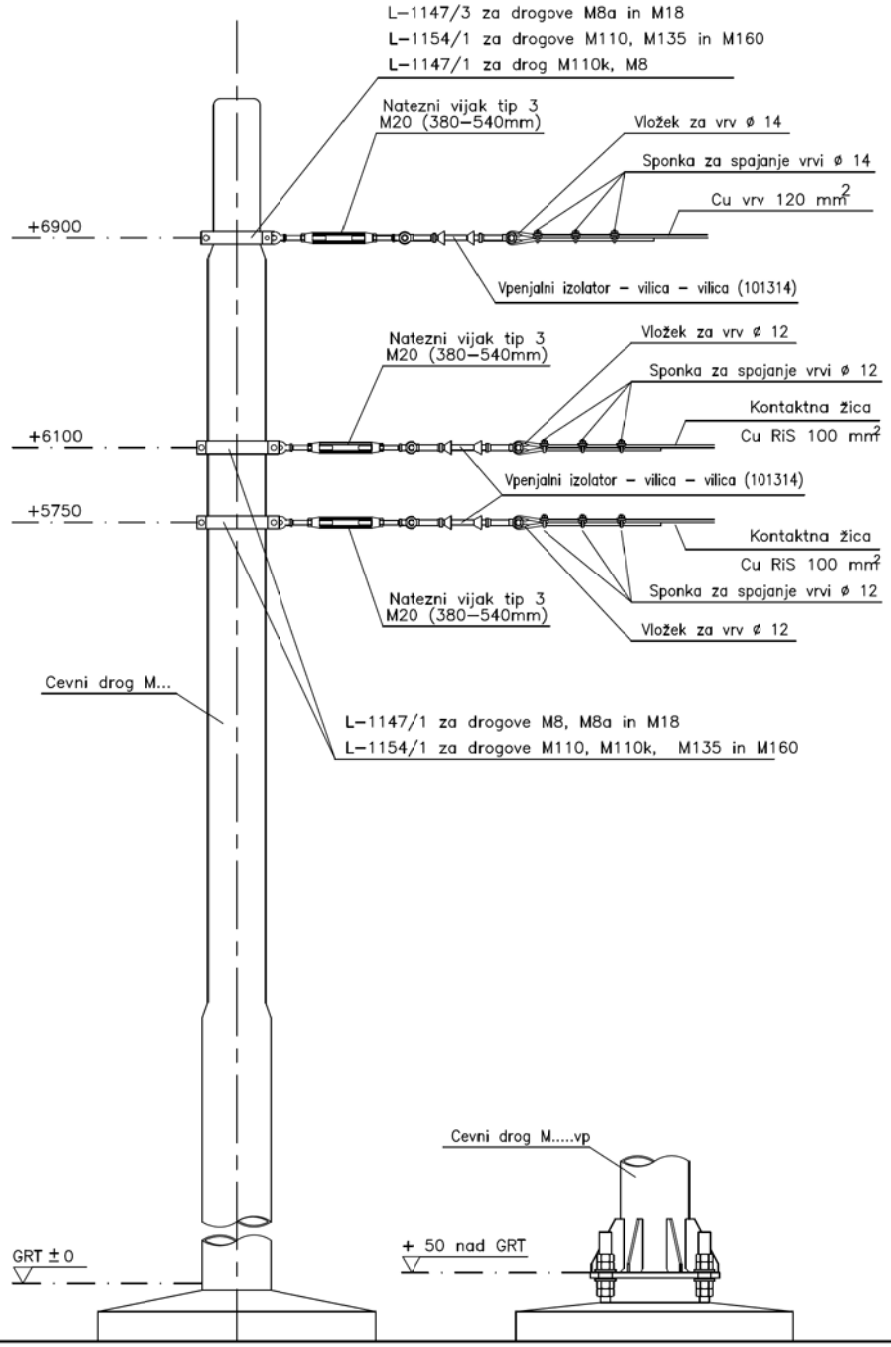


F_N = 1000 daN

F_K = 2 x 750 daN

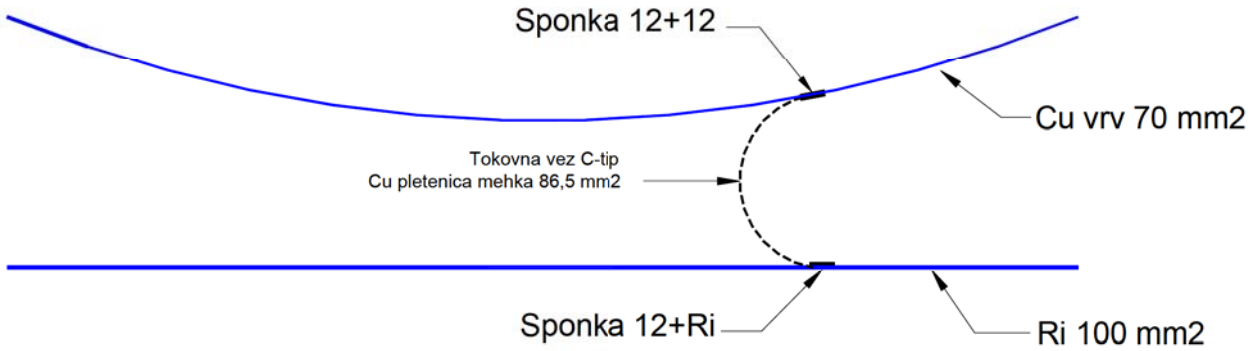
Zatezna oprema polnokompenzirane vozne mreže 320 mm^2 s škripčevjem v razmerju 1:5

Čvrsto vpetje vozne mreže 320 mm^2



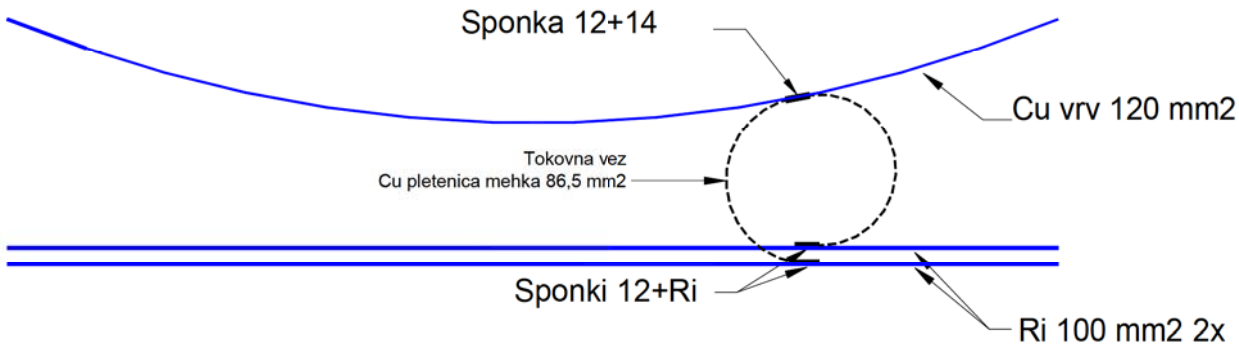
TOKOVNE VEZI

Tokovna vez v POLKOMPENZIRANEM VV preseka 170 mm^2



– te vezi se nameščajo cca. 180 m druga od druge, med drugo in tretjo obešalko od konzole

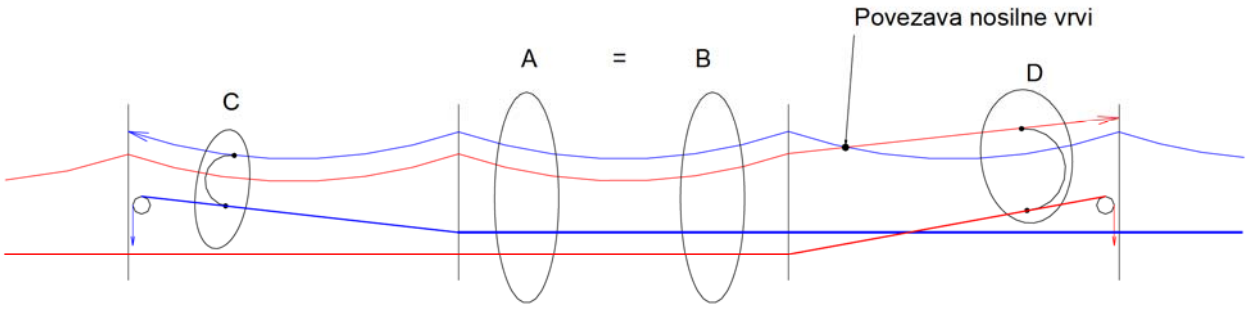
Tokovna vez v POLKOMPENZIRANEM VV preseka 320 mm^2



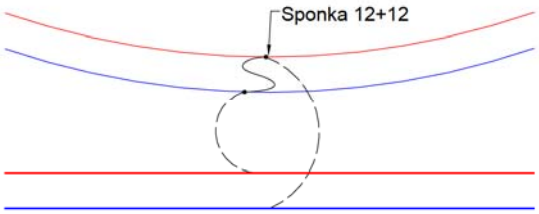
slika2

– te vezi se nameščajo cca 180 m druga od druge, med drugo in tretjo obešalko od konzole

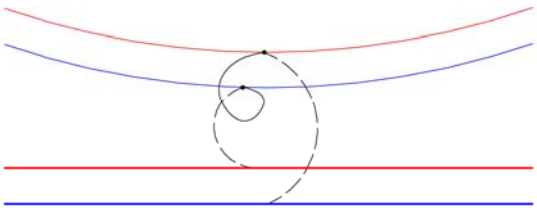
Tokovna v medzateznem polju POLKOMPENZIRANEGA voznega voda preseka 170 mm^2



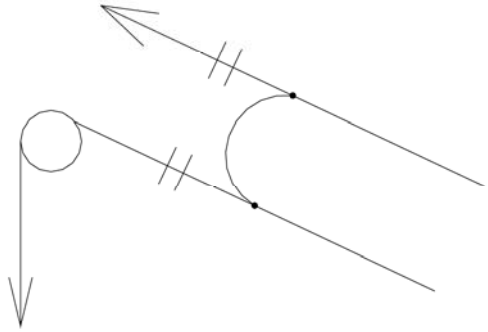
Slika 3



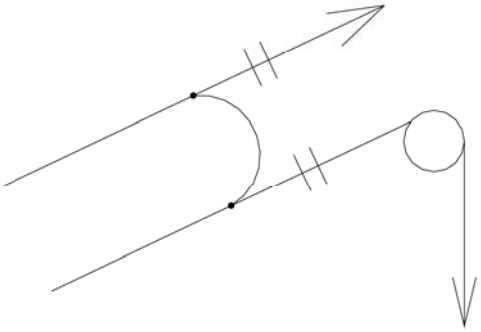
DETAJL A



DETAJL B



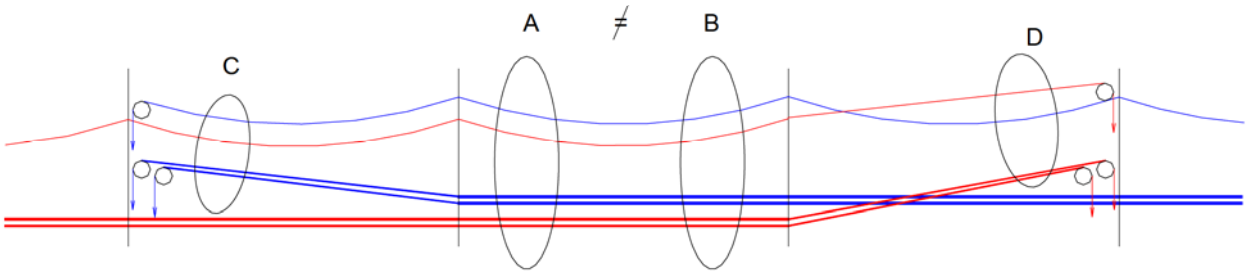
DETAJL C



DETAJL D

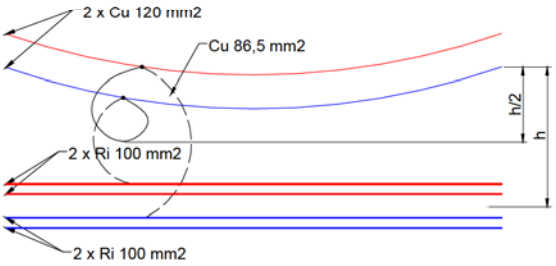
- polkompenzirana VM 170 mm^2
- detajl A=B , med drugo in tretjo obešalko od konzole

Tokovna v medzateznem polju KOMPENZIRANEGA voznega voda preseka 320 mm^2

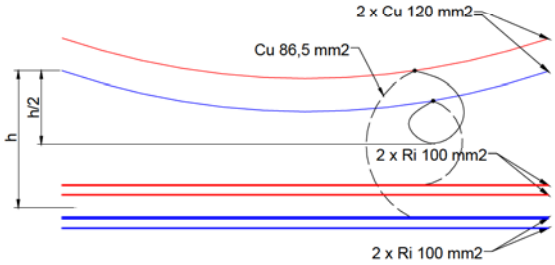


Slika 7

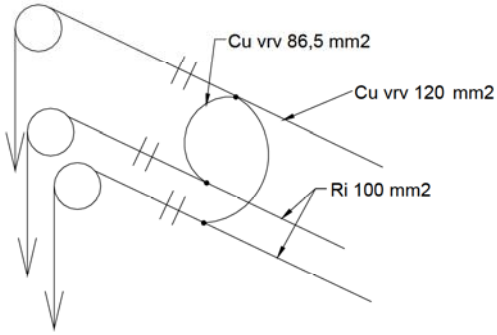
- detajla A in B sta različna
- nosilni vrvi potujeta glede na temperaturo
- detajla A in B sta med drugo in tretjo obešalko od konzole



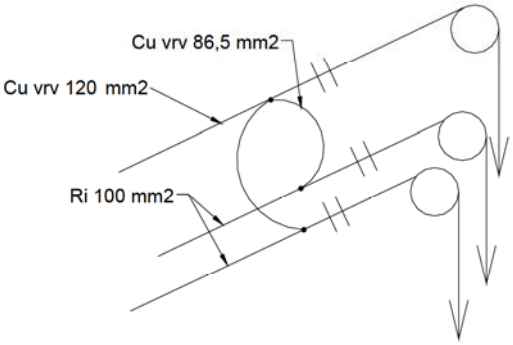
Slika 7 detajl A



Slika7 detajl B

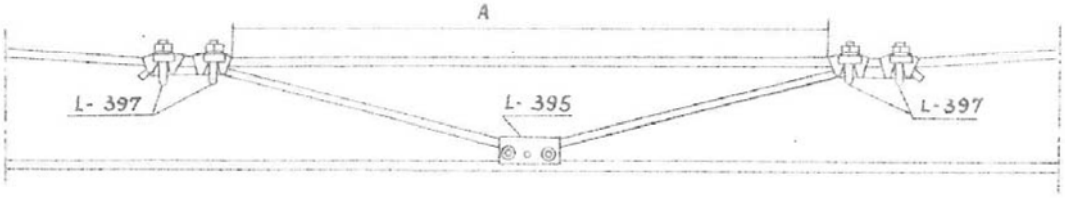


Slika 7 detajl C



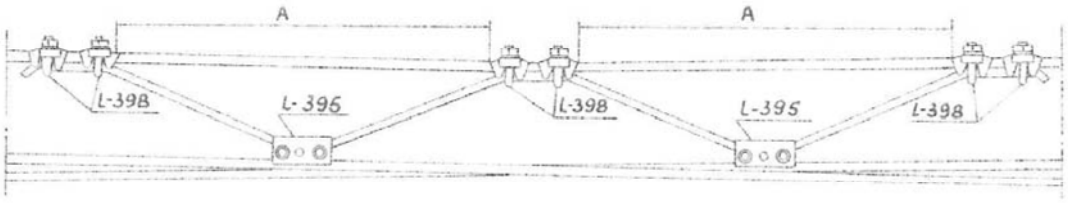
Slika 7 detajl D

Čvrsta točka polkompenziranega voznega voda preseka 170 mm2



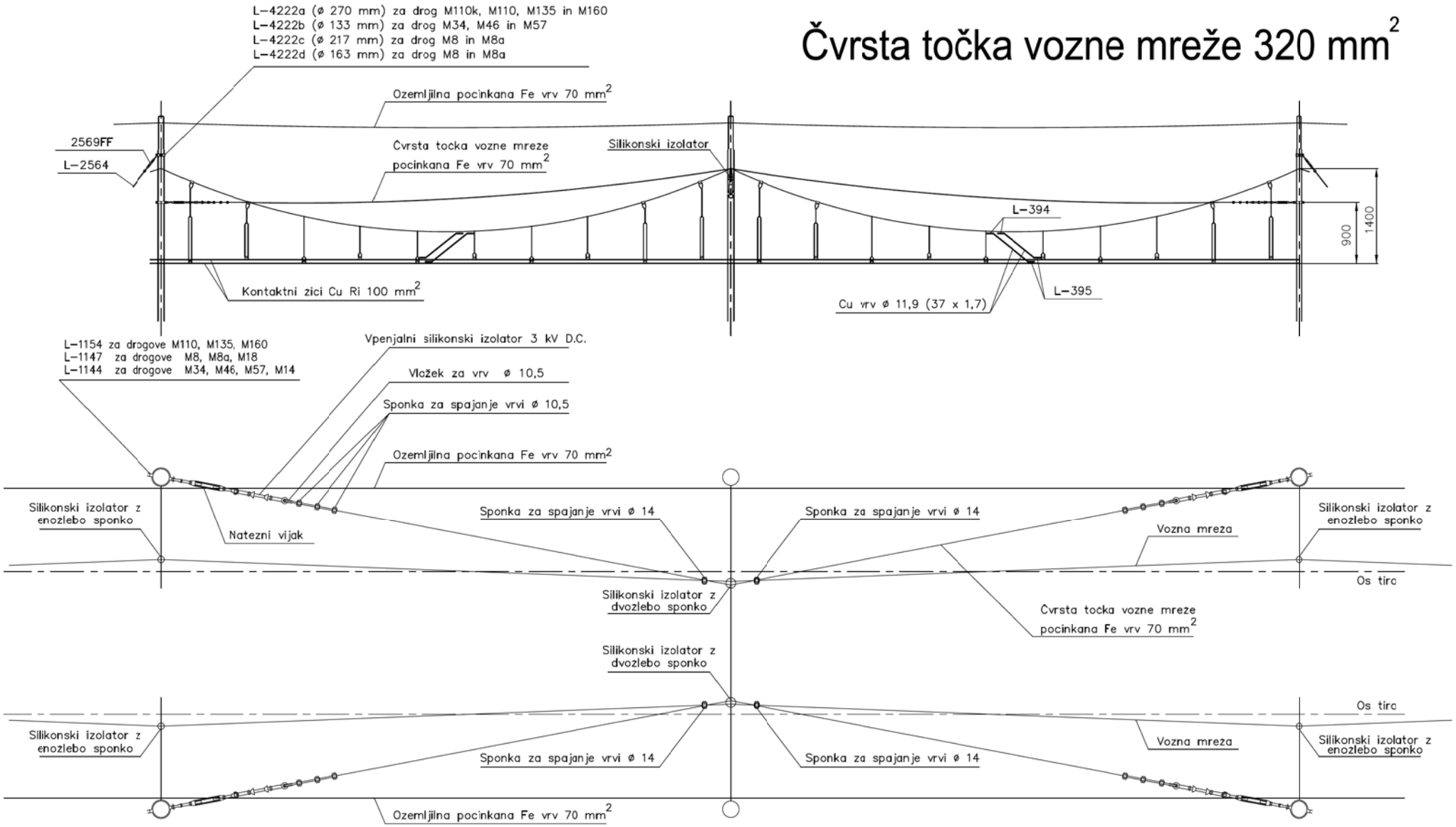
Razdalja	A	1,00	m,	za	razpetine	60 – 55	m,	dolžina	2,00 m
"	"	2,20	"	"	"	55 – 45	"	"	3,00 "
"	"	3,40	"	"	"	45 – 35	"	"	4,50 "
"	"	4,60	"	"	"	35 – 25	"	"	6,50 "

Čvrsta točka polkompenziranega voznega voda preseka 320 mm2



Razdalja	A	1,00	m,	za	razpetine	60 – 55	m,	dolžina	4,00 m
"	"	2,20	"	"	"	55 – 45	"	"	6,00 "
"	"	3,40	"	"	"	45 – 35	"	"	9,00 "
"	"	4,60	"	"	"	35 – 25	"	"	12,00 "

Čvrsta točka vozne mreže 320 mm^2



Drog v cvrsti tocki – prema in zunaj loka – en dvozlebi izolator

Drog v cvrsti tocki – prema in znotraj loka – dva enozleba izolatorja

CTVM–320