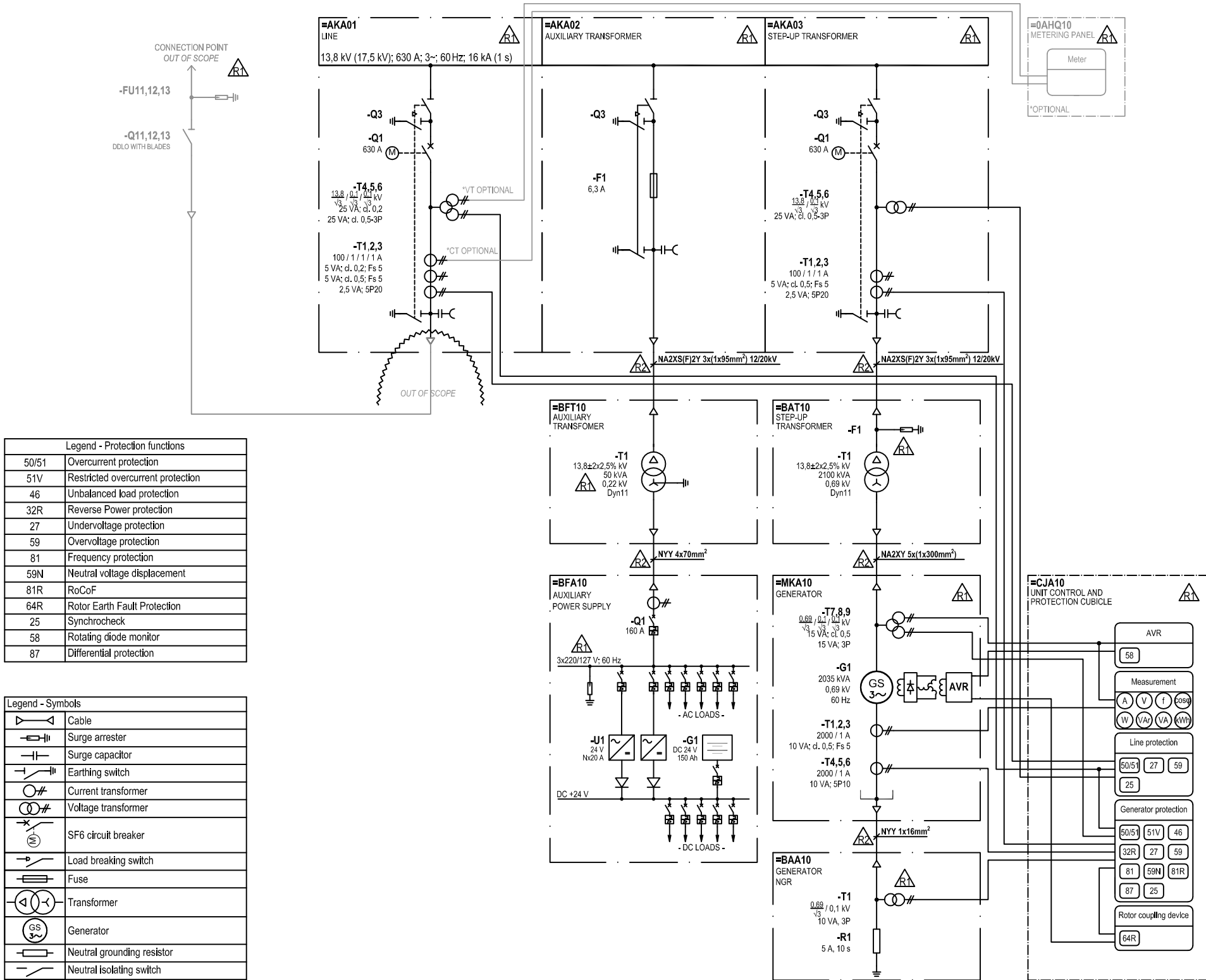
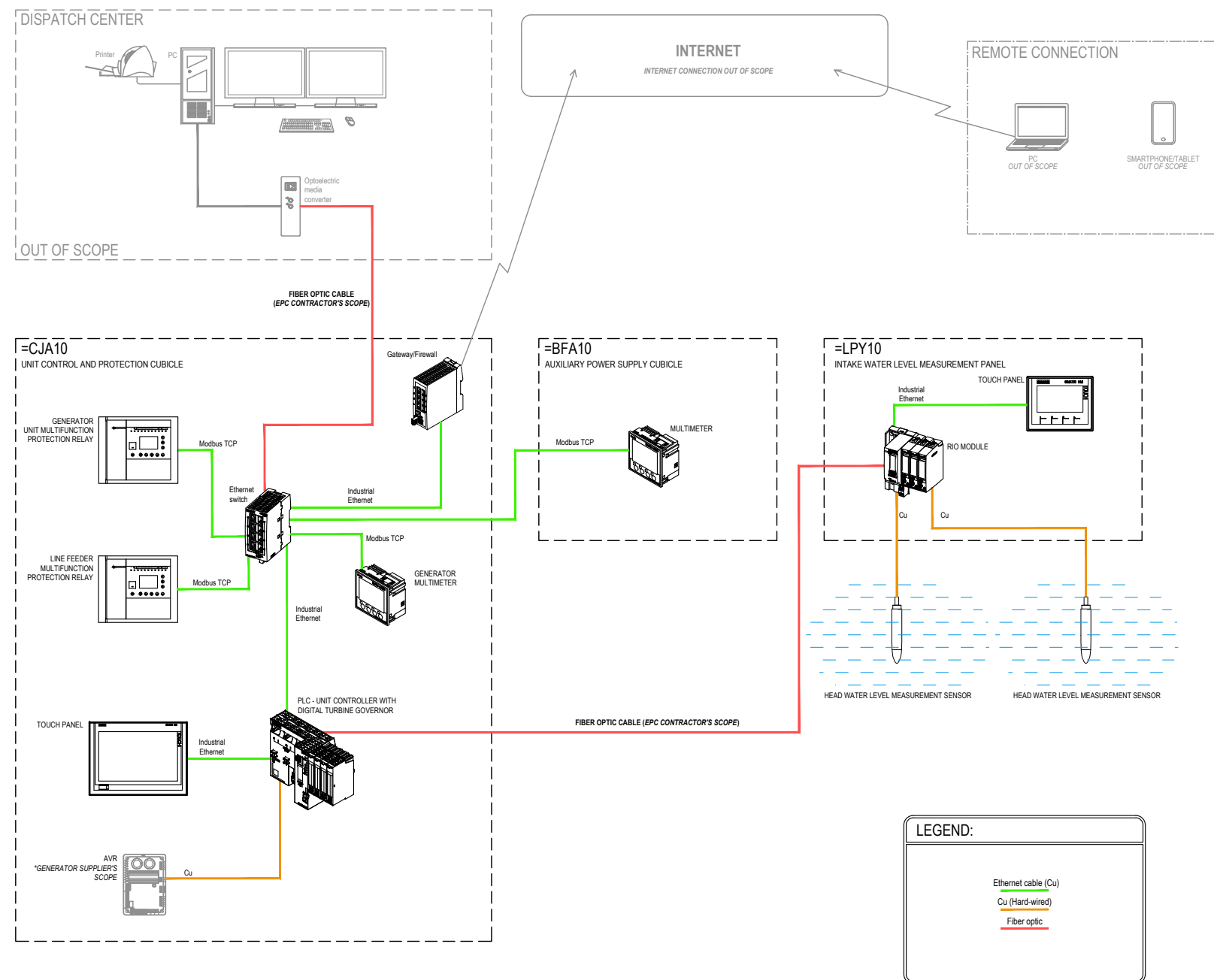




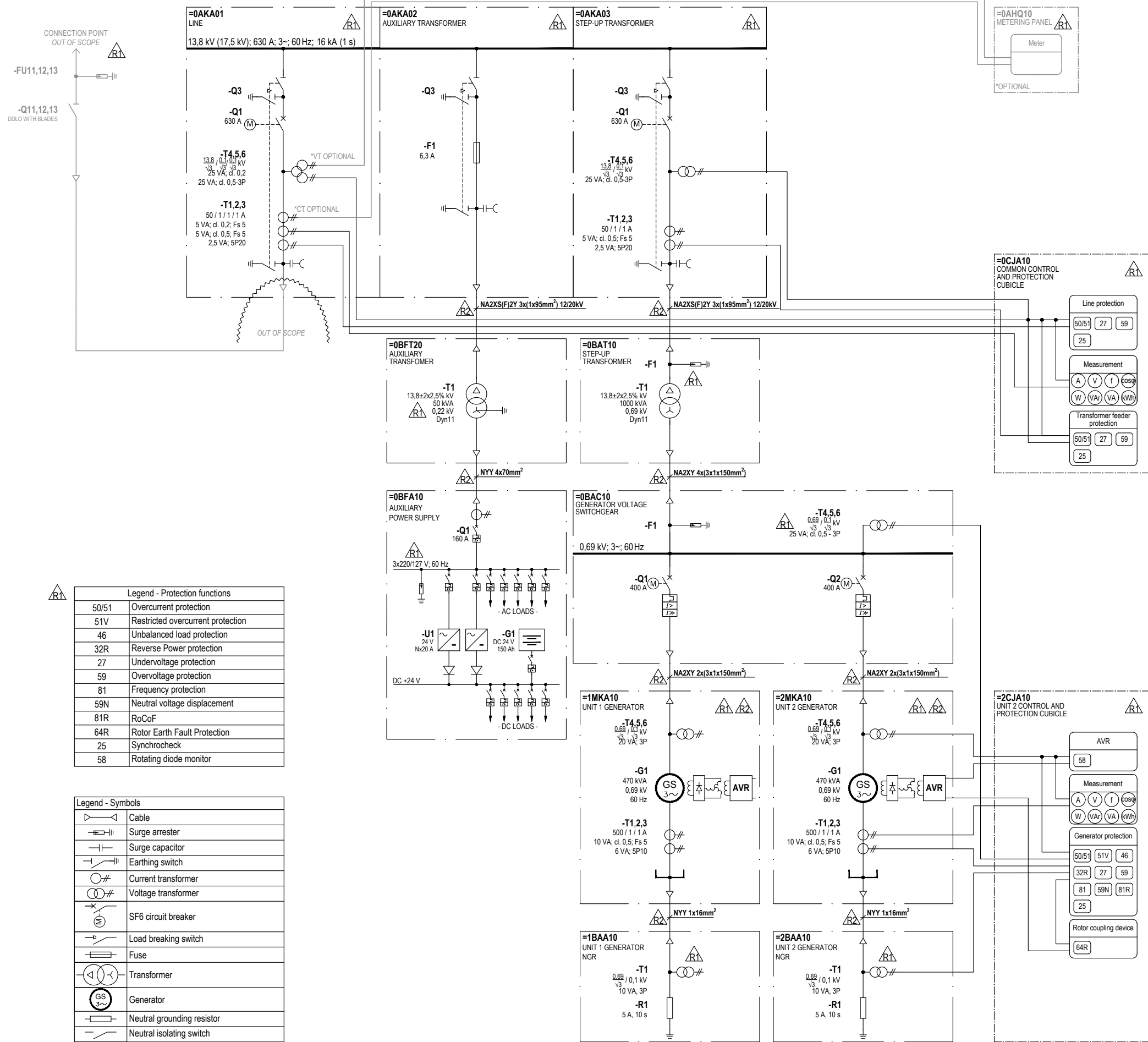
Legend - Protection functions	
50/51	Overcurrent protection
51V	Restricted overcurrent protection
46	Unbalanced load protection
32R	Reverse Power protection
27	Undervoltage protection
59	Overvoltage protection
81	Frequency protection
59N	Neutral voltage displacement
81R	RoCoF
64R	Rotor Earth Fault Protection
25	Synchrocheck
58	Rotating diode monitor
87	Differential protection

Legend - Symbols	
	Cable
	Surge arrester
	Surge capacitor
	Earthing switch
	Current transformer
	Voltage transformer
	SF6 circuit breaker
	Load breaking switch
	Fuse
	Transformer
	Generator
	Neutral grounding resistor
	Neutral isolating switch

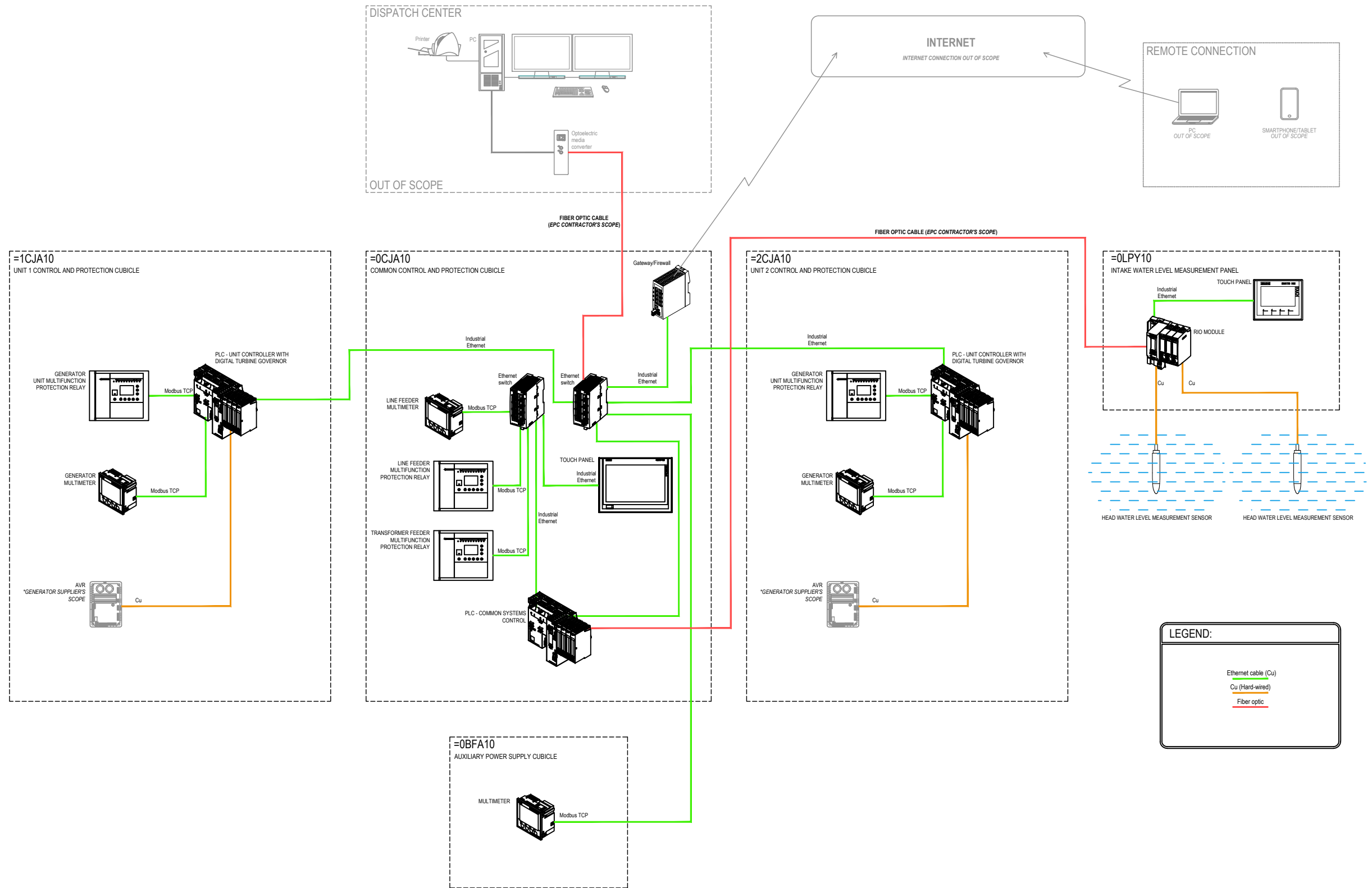
02	Added power cables	2023-27-07	LB	Drawn:	Luka Božičević, mag. polytechn. et. inf.	 BRODOTEHNA d.o.o. Ulica Ivana Meštrovića 77, 23 000 Zadar, Hrvatska OIB: 78755838069 T: +385 74 757879 www.brodotehna.hr	Object:	HPP Kumu Guyana								
01	Inserted protection and protection legend and other changes	2023-07-07	LB	Approved:	Grga Kolić, dipl. ing. el.		Scope of design:	Power plant general								
00	First issue	2023-04-27	LB	Place and date:	Zagreb, 2023-27-07		Client:	Design type:	Detailed design - Electrical							
Rev.	Note	Date	Drawn	Drawing designation	Paper size	Scale	Project	Folder	Drawing	Revision	Page	Content:	SINGLE LINE DIAGRAM			
				23003-DD-EE-01-101-02	A3	-	23003	—	EE-01	—	101	—	02	—	1 / 1	



				Drawn: Patrik Kovač, mag. ing. el.			 BRODOTEHNA d.o.o. Ulica Ivana Meštrovića 77, 23 000 Zadar, Hrvatska OIB: 78755838069 T: +385 74 757879 www.brodotehna.hr					Object: HPP Kumu Guyana
				Approved: Grga Kolić, dipl. ing. el.								Scope of design: Power plant general
00	First issue	2023-07-10	PK	Place and date: Zagreb, 2023-07-10			Client:					Design type: Detailed design - Electrical
Rev.	Note	Date	Drawn	Drawing designation 23003-DD-EE-01-102	Paper size A3	Scale -	Project 23003	Folder - EE-01	Drawing - 102	Revision - 00	Page - 1 / 1	Content: Power plant control topology



02	Added power cables	2023-27-07	LB	Drawn:	Luka Božičević, mag. polytechn. et. inf.	brodotehna CONTROL SYSTEMS BRODOTEHNA d.o.o. Ulica Ivana Meštrovića 77, 23 000 Zadar, Hrvatska OIB: 78755838069 T: +385 74 757879 www.brodotehna.hr	Object:	HPP Moco Moco Guyana					
01	Inserted protection and protection legend and other changes	2023-07-07	LB	Approved:	Grga Kolić, dipl. ing. el.		Scope of design:	Power plant general					
00	First issue	2023-04-27	LB	Place and date:	Zagreb, 2023-27-07		Client:	Design type:	Detailed design - Electrical				
Rev.	Note	Date	Drawn	Drawing designation	Paper size	Scale	Project	Folder	Drawing	Revision	Page	Content:	SINGLE LINE DIAGRAM
				23004-DD-EE-01-101-02	A3	-	23004	EE-01	101	02	1 / 1		



				Drawn: Patrik Kovač, mag. ing. el.			 BRODOTEHNA d.o.o. Ulica Ivana Meštrovića 77, 23 000 Zadar, Hrvatska OIB: 78755838069 T: +385 74 757879 www.brodotehna.hr					Object:	HPP Moco Moco Guyana
				Approved: Grga Kolić, dipl. ing. el.								Scope of design:	Power plant general
00	First issue	2023-07-10	PK	Place and date: Zagreb, 2023-07-10								Client:	Design type:
Rev.	Note	Date	Drawn	Drawing designation 23004-DD-EE-01-102	Paper size A3	Scale -	Project 23004	Folder EE-01	Drawing 102	Revision 00	Page 1 / 1	Content:	Power plant control topology