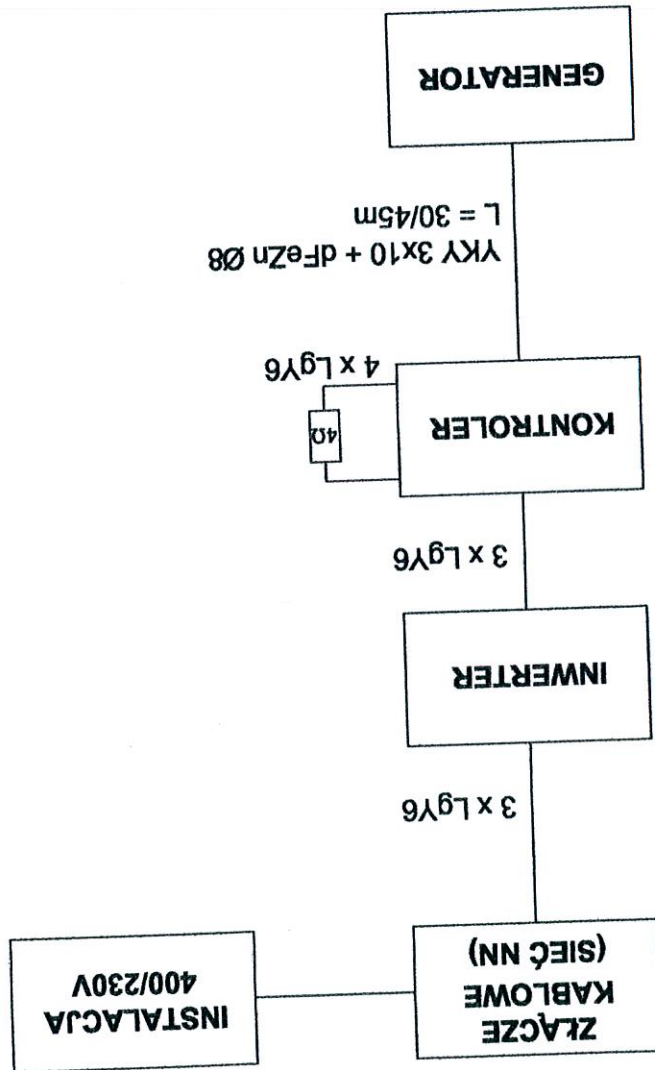
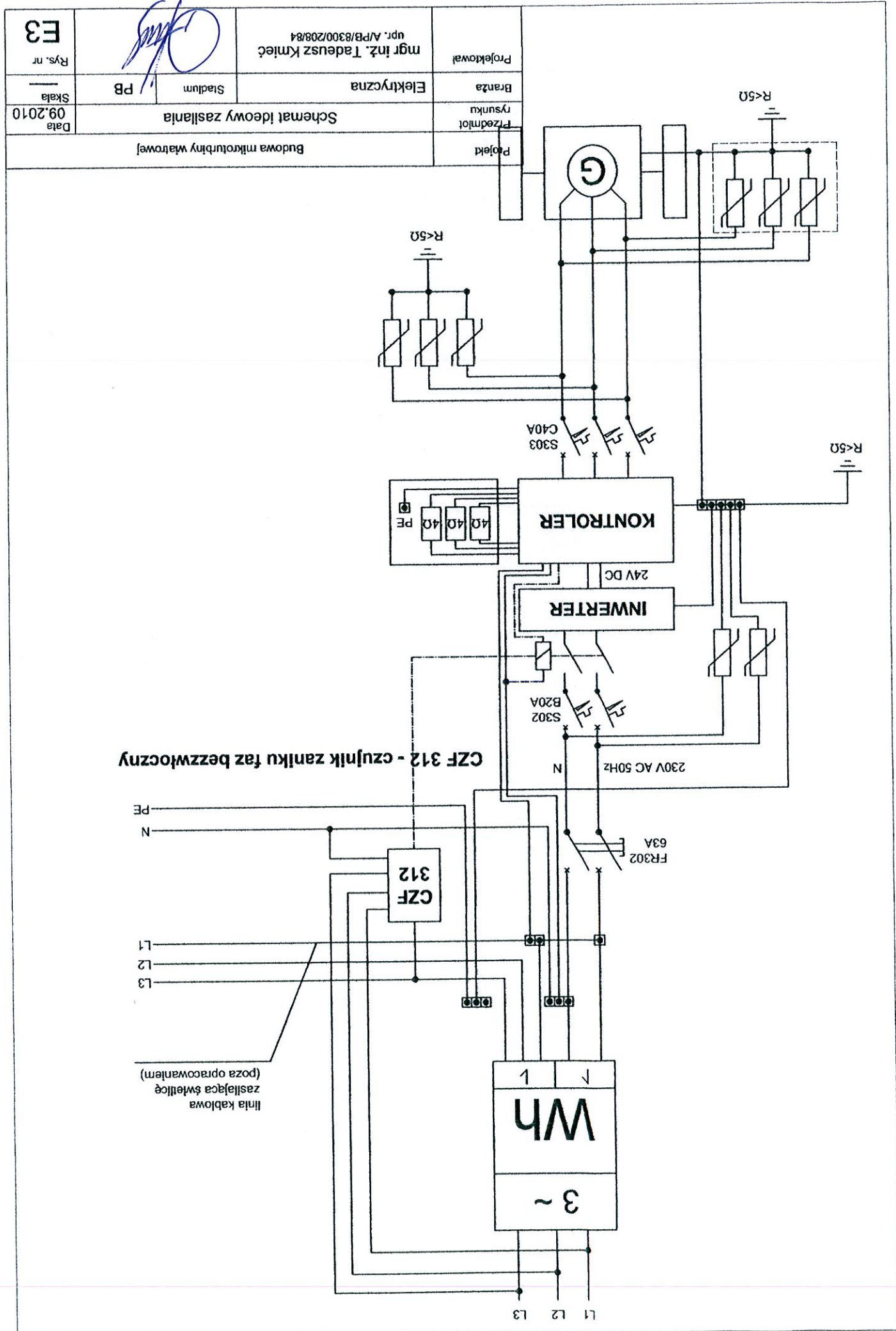


Projekt	Budowa mikroinstalacji wiatrowej w Syrkowicach, dz. nr 20/9		
Przedmiot rysunku	Schemat blokowy systemu		
Branża	Elektryczna	Stadium	PB
Projektował	mgr inż. Tadeusz Kmiec upr. A/PB/8300/208/84		
Rys. nr	E2	Data 08.2010	











## Features small wind turbine (grid connection from power 3 to 20 kW)

Wind turbine manufacturer	ROPATEC
Importatore aerogeneratore (eventuale)	WIND TURBINE MODEL
Number of installed turbines	1
Nominal power (kW)	3kW
Cut-in	3-4m/s
Nominal	14
Cut-out	18
Survival class IEC61400	classe 2 (peaks up to 60m/s)
Vertical	Vertical axis
Number	3
Material	iron fiberglass
Diameter rotor D (m)	3,3m
Height rotor h (m), for vertical axis wind turbines	2m
Activation wind generator <sup>b</sup>	Autonomous by the wind
Power control mode (specify)	Power curves integrated into the inverter
Minimum	1
Nominal	144
Maximum	216
Multiplier (present / absent)	absent
Type electric generator (specify)	PMG with the rotor on the outside
Value (dBA)	ca. 43dB
Wind speed (m/s)	10m/s
Distance from the wind generator (m)	20m
Height H	11,74m
center from foundation	11,74m
Maximum	11,74m
self carrying	self carrying
lattice mast	on request
Complete wind turbine (without support)	620kg
Support full height typical	755kg/10,9m
Platform	needed
Where could be the turbine be installed	Urban / Suburban
Lifetime (years)	25 years
Installation manual in	English

Wind speed (m/s)	5,5
K factor	2
kWh/year	3300
W. speed (m/s)	6
K factor	2
kWh/year	4200
W. speed (m/s)	7
K factor	2
kWh/year	6200

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3	4	64
4	5	127
5	6	224
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