

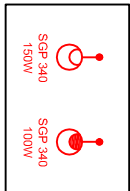
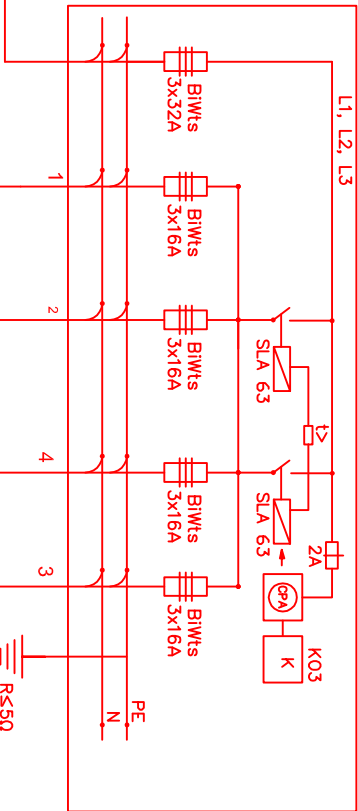
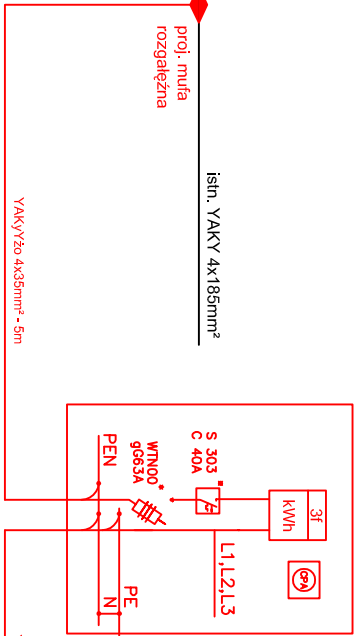
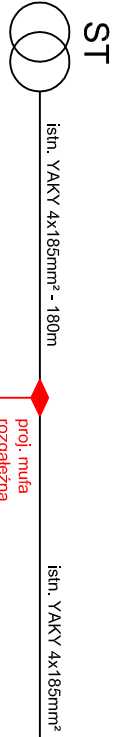
odcinek: stacja - mufa
 $\Delta U=1,1\%$

odcinek: mufa - ZKP
 $\Delta U=0,04\%$

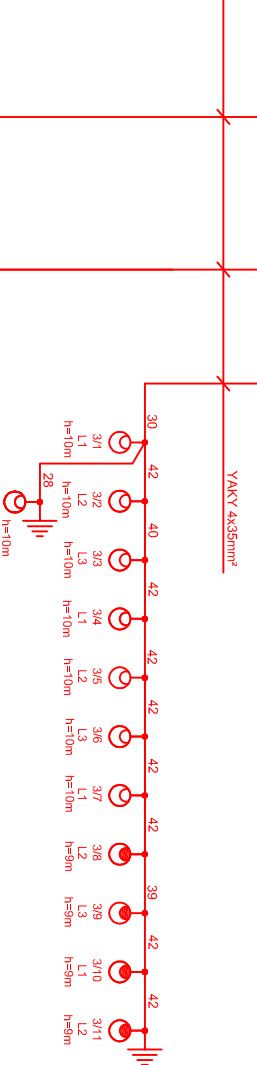
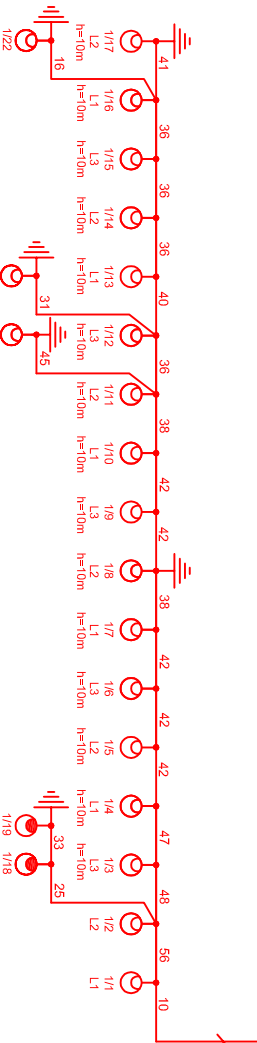
odcinek: ZKP - SO1
 $\Delta U=0,04\%$

$P_z = 13,53 \text{ kW}$
 $PL1=4,775 \text{ kW}$
 $PL2=4,320 \text{ kW}$
 $PL3=4,435 \text{ kW}$
 $I_{\Sigma}=(3005+1770*1,5)/(230*0,85)=29A < 32A$

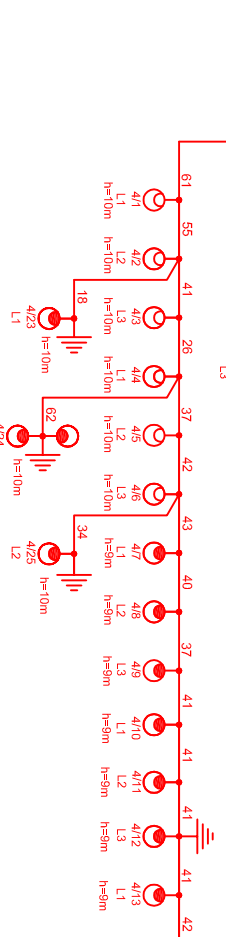
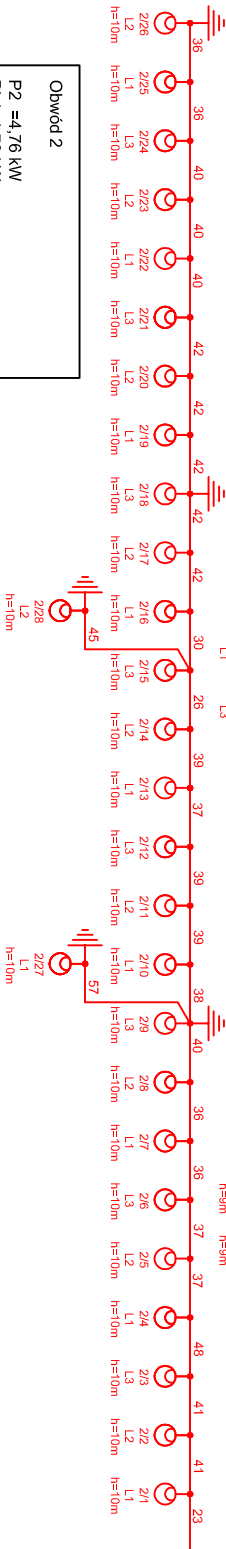
Szafka oświetleniowa SO1



Obwód 1
 $P1 = 3,63 \text{ kW}$
 $PL1=1,305 \text{ kW}$
 $PL2=1,02 \text{ kW}$
 $PL3=1,305 \text{ kW}$
 $I_{\Sigma}=(305/(230*0,85)*1,5=10,1A < 16A$
 $\Delta U_{L1\%}=1,42\%$
 $\Delta U_{L2\%}=1,26\%$
 $\Delta U_{L3\%}=1,63\%$



Obwód 3
 $P3 = 1,82 \text{ kW}$
 $PL1=0,625 \text{ kW}$
 $PL2=0,57 \text{ kW}$
 $PL3=0,625 \text{ kW}$
 $I_{\Sigma}=(625/(230*0,85)*1,5=4,8A < 16A$
 $\Delta U_{L1\%}=0,41\%$
 $\Delta U_{L2\%}=0,44\%$
 $\Delta U_{L3\%}=0,35\%$



Obwód 4
 $P4 = 3,32 \text{ kW}$
 $PL1=1,145 \text{ kW}$
 $PL2=1,03 \text{ kW}$
 $PL3=1,145 \text{ kW}$
 $I_{\Sigma}=(145/(230*0,85)*1,5=8,79A < 16A$
 $\Delta U_{L1\%}=1,55\%$
 $\Delta U_{L2\%}=1,39\%$
 $\Delta U_{L3\%}=1,55\%$

Obwód 2
 $P2 = 4,76 \text{ kW}$
 $PL1=1,70 \text{ kW}$
 $PL2=1,70 \text{ kW}$
 $PL3=1,36 \text{ kW}$
 $I_{\Sigma}=(1700/(230*0,85)*1,5=13,1A < 16A$
 $\Delta U_{L1\%}=2,64\%$
 $\Delta U_{L2\%}=2,95\%$
 $\Delta U_{L3\%}=2,32\%$

- największy spadek napięcia wystąpi na fazie L2 w obwodzie nr 2: $\Delta U=4,15\% < 5\%$
- selektywność zabezpieczeń zachowana
- ochrona przeciwporażeniowa zapewniona