

Employer
SAKO BRNO A.S.

Project
High-efficient combined heat and power facility utilizing renewable sources (OHB II - line K1)

Date
February 2021

PART III, APPENDIX A16

CONCEPT DIAGRAMS FOR

ELECTRICAL SYSTEMS



**PART III, APPENDIX A16
CONCEPT DIAGRAMS FOR ELECTRICAL SYSTEMS**

Project name **High-efficient combined heat and power facility utilizing renewable sources
(OHB II - line K1)**
Version **1**
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Documentation **Procurement documentation – Part III – Employer’s Requirements**

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Denmark

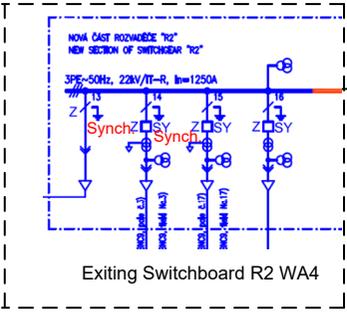
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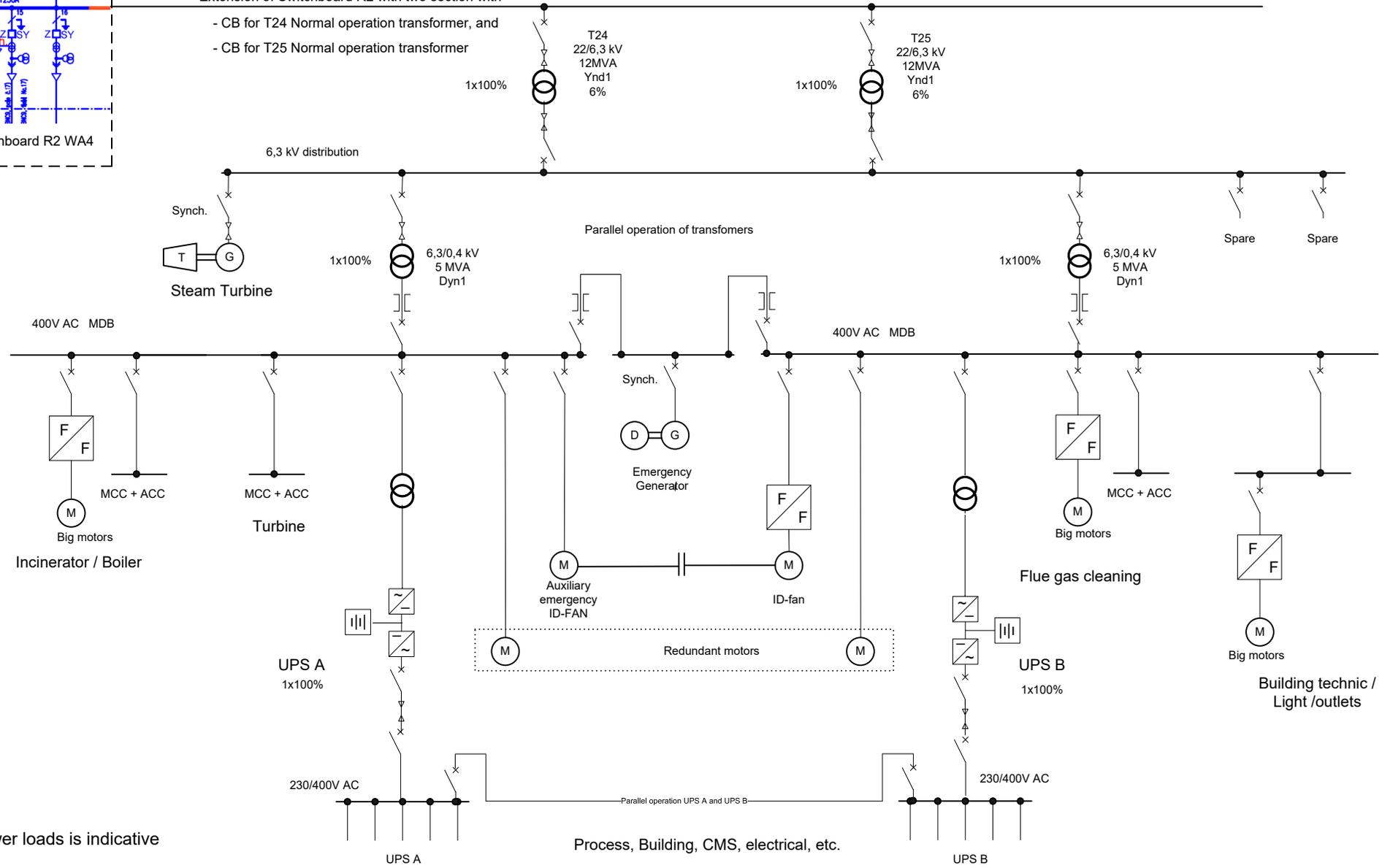


Extension of Switchboard R2 with two section with

- CB for T24 Normal operation transformer, and
- CB for T25 Normal operation transformer

3PE AC 50Hz, 22kV/IT In=1250 A, Ivyp.n=20kA, Idyn.n=50kAmax.

R2 Switchboard



Power loads is indicative

Legends:

- Main Breaker
- Cable
- Power Busbar

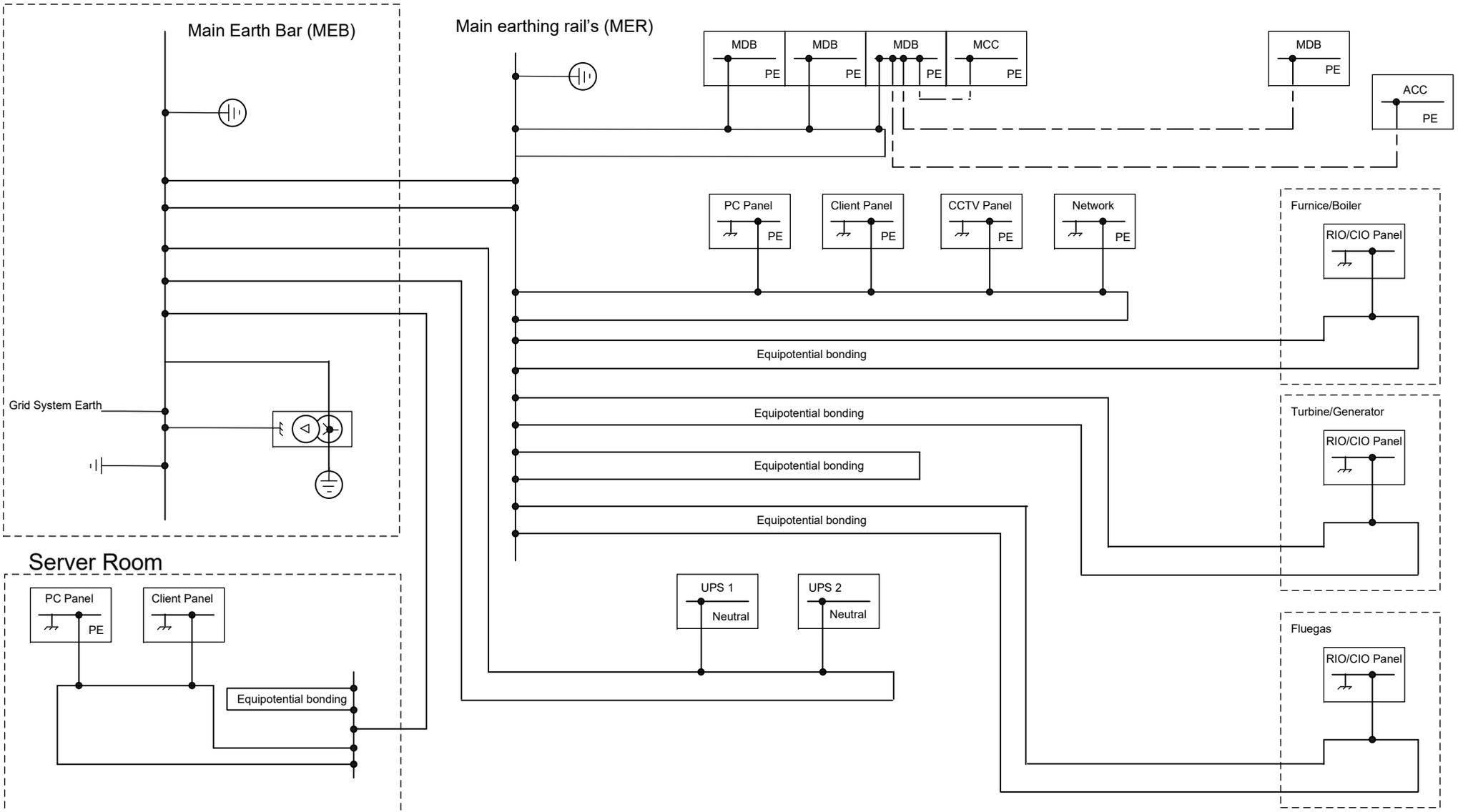
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
5	Final	2020-11-17	TRT
FILENAME Appendix 16: Concept Diagrams for Electrical System			

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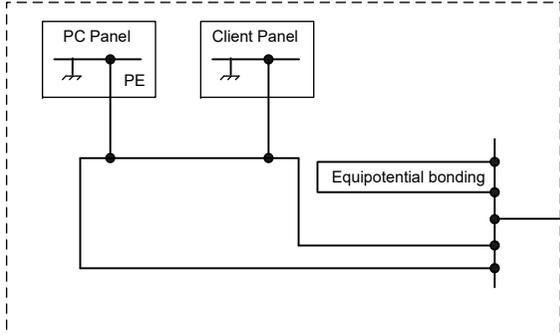
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Single Line Diagram			
SAKO EfW Plant, Line K1			
SIZE	FSCM NO	DWG NO	REV
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Transformer Room



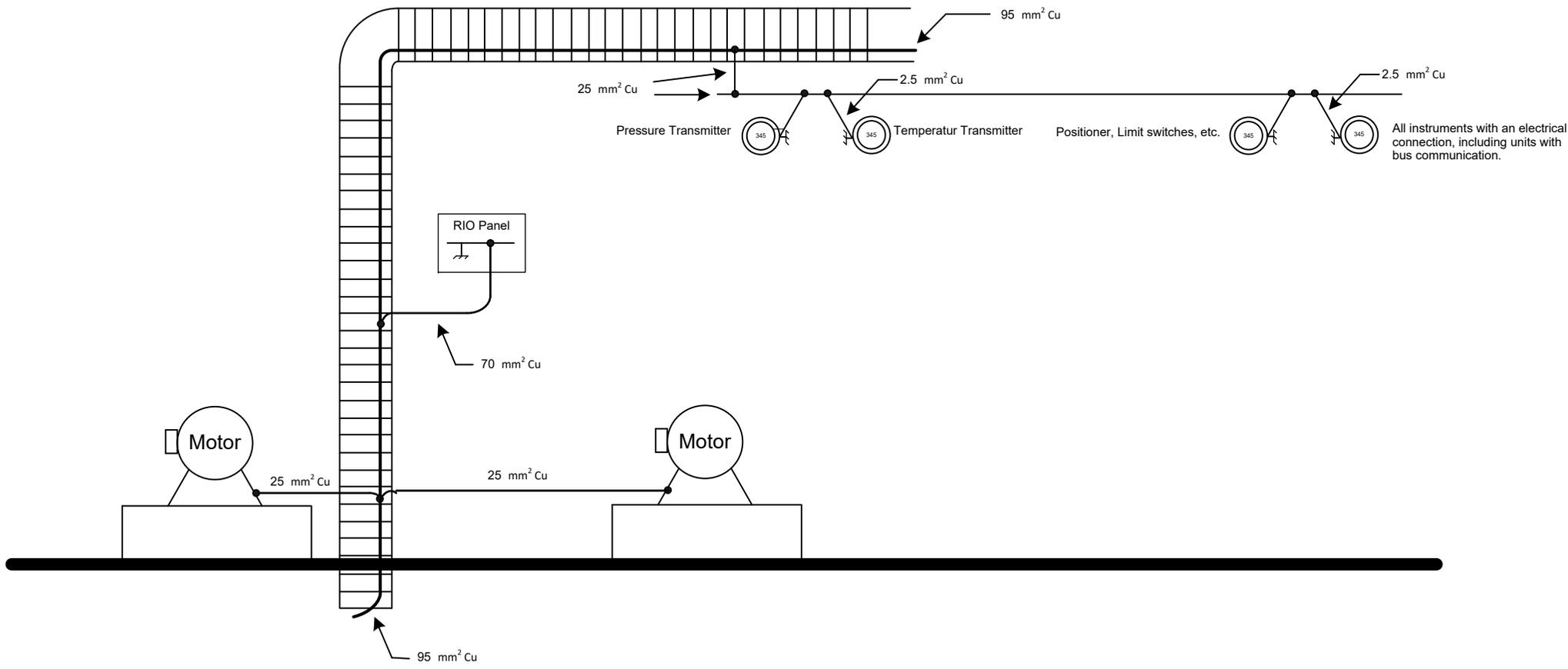
Server Room



Legends:

- Core
- Single Core
- Frame Connection
- Building Earth System
- Earth Electrode

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REV	DESCRIPTION	DATE	APPROVED		SAKO EfW Plant, Line K1			
3	Final	2020-11-17	TRT	SIZE 1	FSCM NO	DWG NO Appendix A16.2	REV 5	
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Legends:

-  Core
-  Single Core
-  Frame Connection
-  Building Earth System
-  Earth Electrode

REVISIONS				 Hannemanns Alle 53 DK-2300 København S Tlf +45 51616000	Earting system process installation			
REV	DESCRIPTION	DATE	APPROVED		SAKO EfW Plant, Line K1			
3	Final	2020-11-17	TRT	SIZE 1	FSCM NO	DWG NO Appendix A16.3	REV 5	
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