BASE LOAD POWER HUB (BLPH)

ELECTRICAL SINGLE LINE DIAGRAMS

AC UPS SYSTEMS

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	15/09/25	SPS	FMA/AMA	CGI	AS-BUILT (ASB)
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90-DDL-EL-DG-20160

SHEET 001

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 123A90-DDL-EL-DG-20160 Rev. 03

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
01	001	FRONT PAGE	
01	002	SUMMARY / GENERAL NOTES / REFERENCE DOCUMENTS	
01	003	LEGEND	
01	004	AC UPS – PAS SINGLE LINE DIAGRAM (UP–200F3)	
01	005	AC UPS – PAS DISTRIBUTION BOARD SLD (UP–200F3)	
01	006	AC UPS – FIRE & GAS SINGLE LINE DIAGRAM (UP–200F4)	
01	007	AC UPS DISTRIBUTION BOARD FIRE & GAS SLD (UP–200F4)	

GENERAL NOTES / REFERENCE DOCUMENTS

GENERAL NOTES:

1. AC UPS CONFIGURATION SHALL BE AS PER RESPECTIVE TECHNICAL SPECIFICATION & DATA SHEET.
2. FOR ALL LOAD PLEASE REFER ELECTRICAL LOAD LIST & BALANCE (CCS MODE 'IMPORT') (123A90–DDL–EL–LIS–20016).
3. AC UPS COMMUNICATION INTERFACE SHALL BE AS PER RESPECTIVE TECHNICAL SPECIFICATION & DATA SHEET.
4. AC UPS SHALL HAVE A REAL TIME INTERACTIVE OPERATOR INTERFACE USING A MICROPROCESSOR BASED HUMAN MACHINE INTERFACE (HMI) MOUNTED ON THE FRONT DOOR.
5. LVI1 – TYPICAL FOR AC, DC UPS & DISTRIBUTION BOARD INCOMER [REFER 123A90–DDL–EL–DG–20163 ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS (Distribution Boards, AC UPS, DC UPS, etc)].
6. LVO2 – TYPICAL FOR DISTRIBUTION BOARD 1PH OUTGOING WITHOUT EARTH FAULT, LVOE2 – TYPICAL FOR DISTRIBUTION BOARD 1PH OUTGOING WITH EARTH FAULT [REFER 123A90–DDL–EL–DG–20163 ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS (Distribution Boards, AC UPS, DC UPS, etc)].
7. MAINTENANCE BYPASS SWITCH SHALL BE MAKE–BEFORE BREAK TYPE.

REFERENCE DOCUMENTS:

DOC. NO.	DESCRIPTION
123A90–DDL–EL–SP–20031	TECHNICAL SPECIFICATION, IDS AND DDS FOR AC UPS SYSTEM
123A90–DDL–EL–DS–20032	TECHNICAL DATA SHEET (TDS) FOR AC UPS SYSTEM
123A90–DDL–EL–DG–20158	OVERALL/KEY SINGLE LINE DIAGRAM
123A90–DDL–EL–DS–LIS–20016	ELECTRICAL LOAD LIST AND BALANCE(CSS MODE 'IMPORT')
123A90–DDL–EL–DS–LIS–20165	ELECTRICAL SCHEDULES (Distribution Boards, AC UPS, DC UPS etc.)
123A90–DDL–EL–DG–20163	ELECTRICAL TYPICAL SCHEMATIC DIAGRAMS (Distribution Boards, AC UPS, DC UPS, etc)

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
SUMMARY / GENERAL NOTES / REFERENCE DOCUMENTS

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 123A90–DDL–EL–DG–20160

SHEET 002

REV. 03

File Name : 123A90–DDL–EL–DG–20160 Rev. 03

F.to UNI A3: 420mmx297mm

LEGEND

SYMBOL	DESCRIPTION
	MOULDED CASE CIRCUIT BREAKER (MCCB)
	SWITCH DICONNECTOR; ON–LAND ISOLATING SWITCH
	MINIATURE CIRCUIT BREAKER (MCB)
	INVERTER (POWER CONVERTER DC/AC)
	RECTIFIER (POWER CONVERTER AC/DC)
	STATIC SWITCH
	CABLE GLAND
	TRANSFORMER
	FUSE
	BATTERY

LEGEND

SYMBOL	DESCRIPTION
2P	TWO POLE
4P	FOUR POLE
	RESIDUAL CURRENT CIRCUIT BREAKER WITH OVER CURRENT PROTECTION (RCBO)
	SURGE PROTECTION DEVICE
U<	UNDER VOLTAGE RELAY
	EARTH

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
LEGEND

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

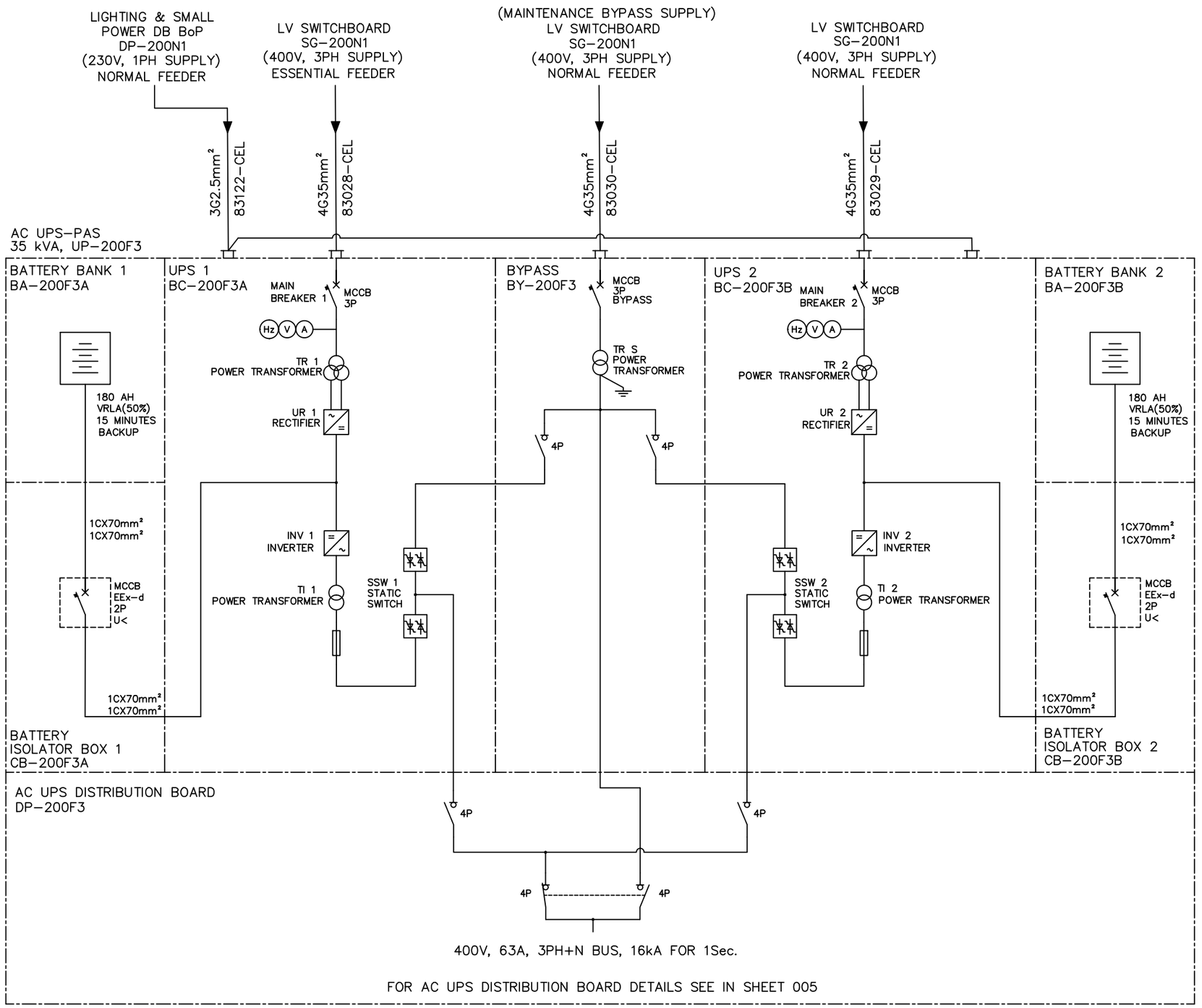
DRAWING NO. 123A90–DDL–EL–DG–20160

SHEET 003

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 123A90–DDL–EL–DG–20160 Rev. 03



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	15/09/25	SPS	FMA/AMA	CGI	AS–BUILT (ASB)
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
AC UPS – PAS SINGLE LINE DIAGRAM(UP–200F3)

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : 1:X

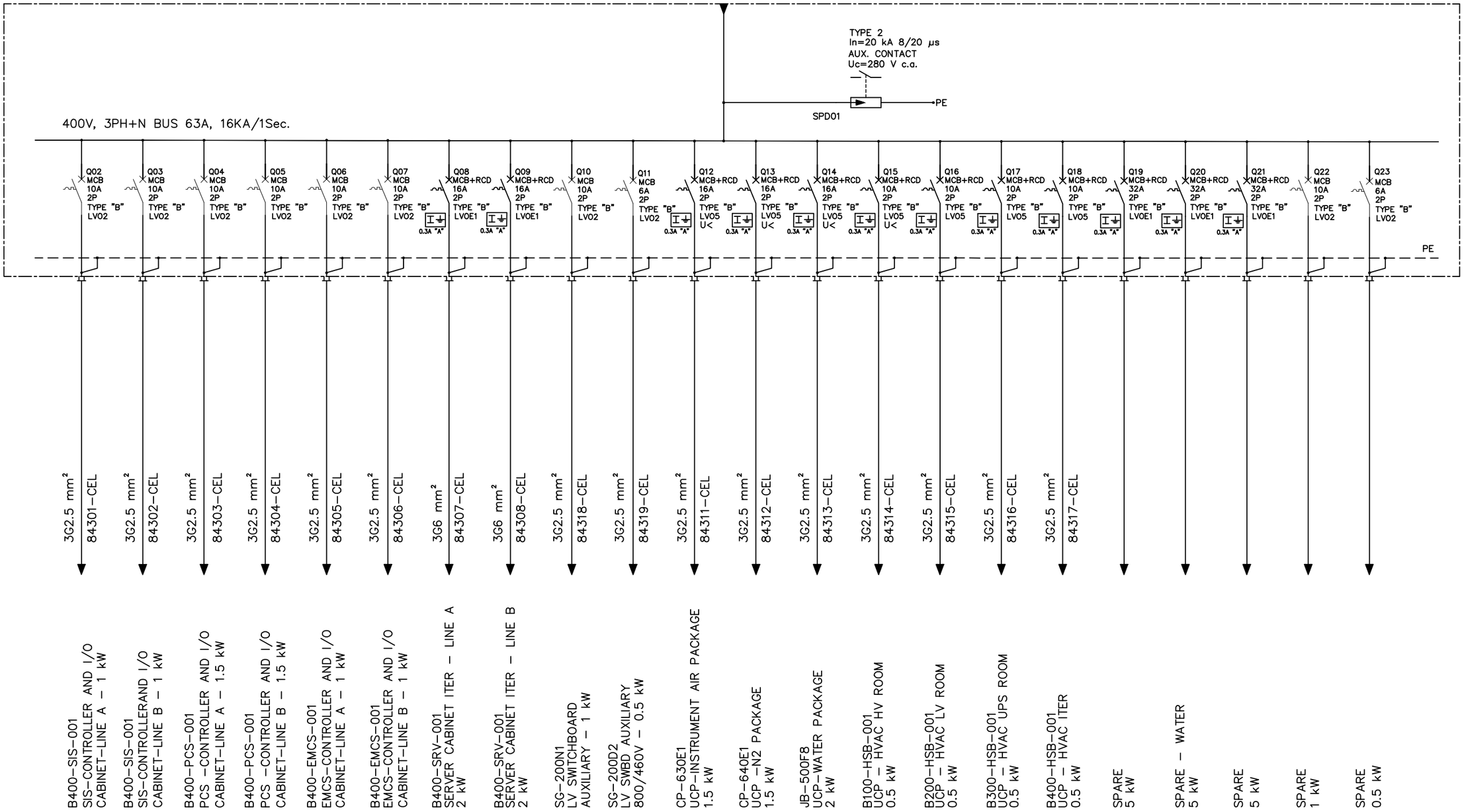
A3 | DRAWING NO. 123A90–DDL–EL–DG–20160 | SHEET 004 | REV. 03

File Name : 123A90–DDL–EL–DG–20160 Rev. 03

F.to UNI A3: 420mmx297mm

AC UPS – PAS SINGLE LINE DIAGRAM(UP–200F3) DISTRIBUTION BOARD DETAILS

AC UPS DISTRIBUTION BOARD–PAS
DP–200F3



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	15/09/25	SPS	FMA/AMA	CGI	AS–BUILT (ASB)
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

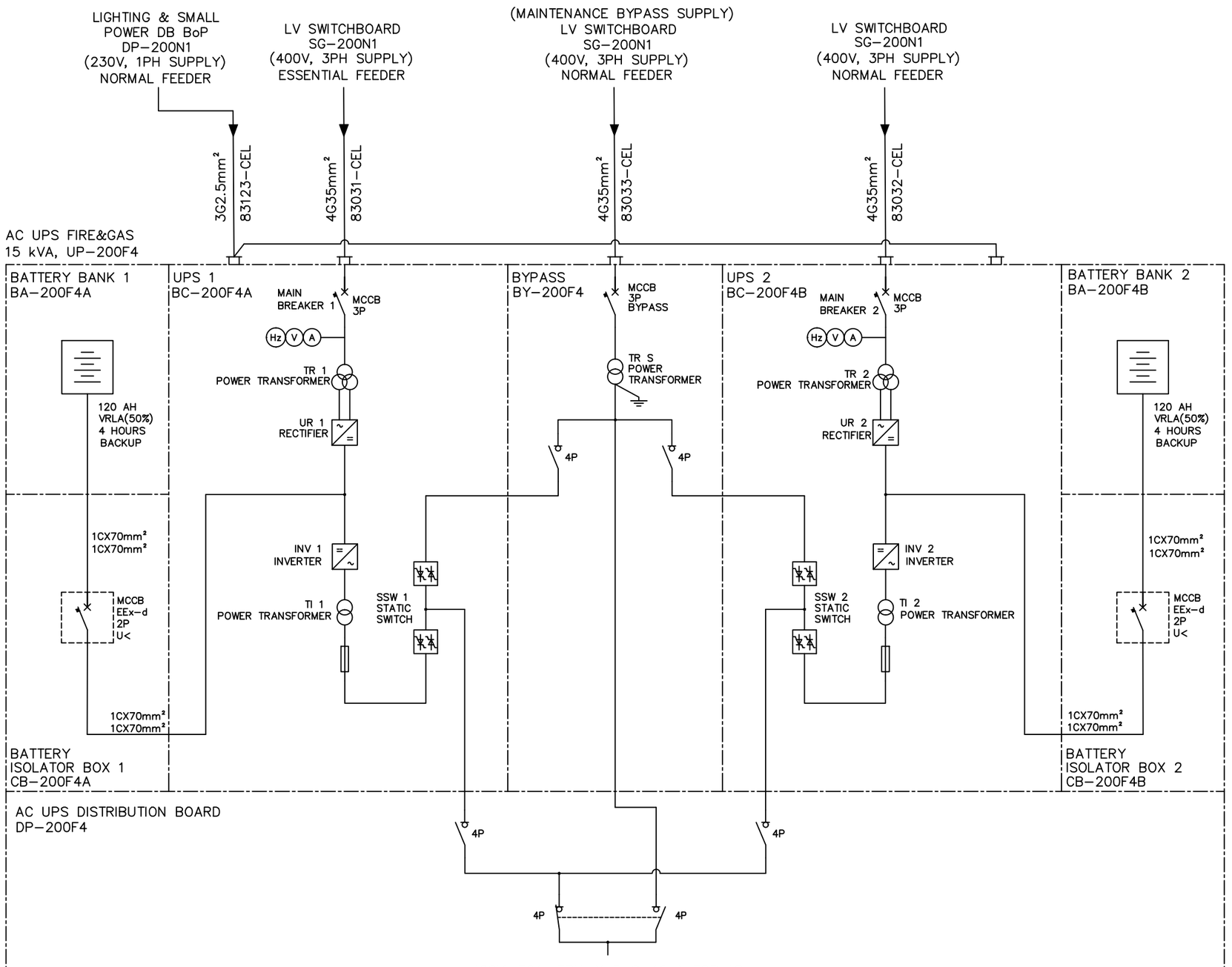
TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
AC UPS – PAS DISTRIBUTION BOARD SLD (UP–200F3)

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK | SCALE : 1:X

A3 | DRAWING NO. 123A90–DDL–EL–DG–20160 | SHEET 005 | REV. 03

File Name : 123A90–DDL–EL–DG–20160 Rev. 03

F.to UNI A3: 420mmx297mm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	15/09/25	SPS	FMA/AMA	CGI	AS–BUILT (ASB)
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
AC UPS – FIRE & GAS SINGLE LINE DIAGRAM (UP–200F4)

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : 1:X

A3

DRAWING NO. 123A90–DDL–EL–DG–20160

SHEET 006

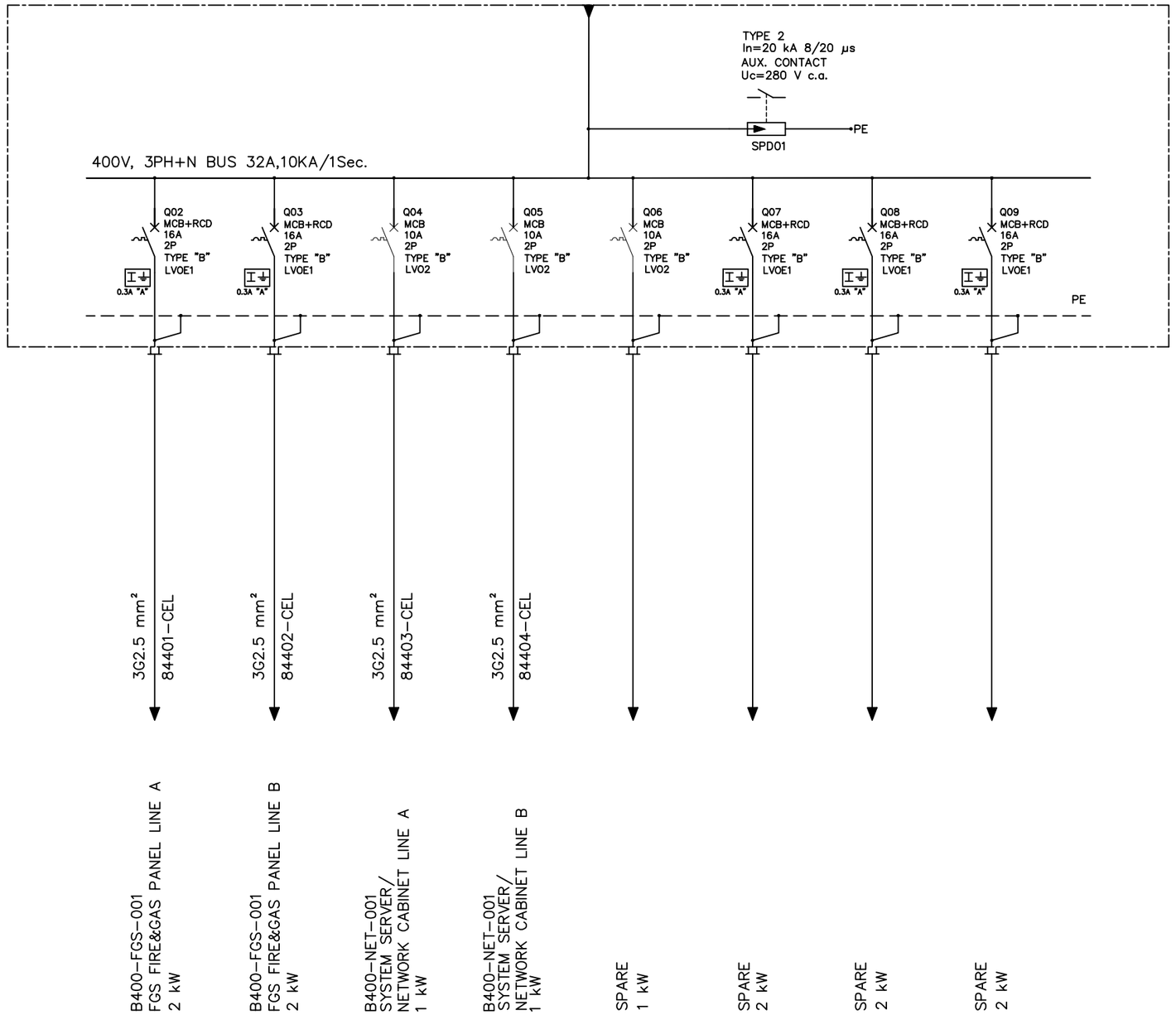
REV. 03

File Name : 123A90–DDL–EL–DG–20160 Rev. 03

F.to UNI A3: 420mmx297mm

AC UPS – FIRE & GAS SINGLE LINE DIAGRAM (UP–200F4) DISTRIBUTION BOARD DETAILS

AC UPS DISTRIBUTION BOARD FIRE & GAS
DP–200F4



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	15/09/25	SPS	FMA/AMA	CGI	AS–BUILT (ASB)
02	27/09/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
01	12/04/24	SAM	FMA/AMA	FPA/DLO	ACCEPTED FOR CONSTRUCTION (AFC)
00	14/02/24	SAM	FMA/AMA	FPA/DLO	ISSUE FOR REVIEW (IFR)

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
ELECTRICAL SINGLE LINE DIAGRAMS AC UPS SYSTEMS
AC UPS DISTRIBUTION BOARD FIRE & GAS (UP–200F4)

CONTRACT NO./TITLE CW–I–WP4–2023–05/HOLLANDSE KUST NOORD WIND PARK

SCALE : 1:X

A3

DRAWING NO. 123A90–DDL–EL–DG–20160

SHEET 007

REV. 03

File Name : 123A90–DDL–EL–DG–20160 Rev. 03

F.to UNI A3: 420mmx297mm