BASE LOAD POWER HUB (BLPH)

NETWORK CONNECTION DIAGRAM

DOCUMENT NUMBER : 1724000594-IN-DG-00016

SUPPLIER DOCUMENT NUMBER : E366772C00-ND

DOCUMENT CLASS : 2

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CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
02	06/02/25	SK	MP/AB	SC	ACCEPTED FOR CONSTRUCTION (AFC)
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TITLE : BASE LOAD POWER HUB (BLPH)
NETWORK CONNECTION DIAGRAM
FRONT PAGE

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

SCALE : NTS

A3

DRAWING NO. 1724000594-IN-DG-00016

SHEET 001

REV. 02

F.to UNI A3: 420mmx297mm

File Name : 1724000594-IN-DG-00016

SUMMARY AND GENERAL NOTES

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GENERAL NOTES

NOTES:

1. REFER EMCS CABINET DRAWING FOR DETAILED CONNECTIONS OF EMCS PROFINET, MODBUS TCP/IP, IEC 61850, AND SERVICE NETWORK.
2. FOR IP ADDRESS DETAILS REFER TO 1724000594-IN-RE-00043 - CYBER SECURITY SETTINGS.
3. MOUNTING OF FIREWALL FW009 WILL BE FINALIZED WITH CROSSWIND.
4. IN CCR, CONSOLE DESK SCOPE AND SIZING BY CROSSWIND.
5. FIREWALLS CAN BE USED FOR BOTH MODBUS PROTOCOL AND TIME SYCHRONIZING.

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SHEET 002

REV. 02

File Name : 1724000594-IN-DG-00016

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LEGEND AND ABBREVIATIONS

SYMBOL	DESCRIPTION
	PCS/SIS/FGS VNET/IP BUS 1
	PCS/SIS/FGS VNET/IP BUS 2
	PIN NETWORK
	SERVICE NETWORK
	NTP CONNECTION
	OPC UA
	MODBUS TCP/IP – CCS
	IEC 61850 NETWORK
	PROFINET NETWORK FOR CCS & FOR EMCS
	FO PATCH CORDS (MULTI MODE)
	FO PATCH CORDS (SINGLE MODE)
	SERVER
	TIME SERVER
	EMCS SERVER
	FOPP
	MANAGED SWITCH L2, 8 PORT GB, 2X SFP
	MANAGED SWITCH L2, 24 PORT GB, 2X SFP
	FIREWALL WITH 4X GE RJ45 PORTS
	FIREWALL WITH 12X GE RJ45 PORTS
	L2 SWITCH 24 PORT (Vnet/IP)
	FIELD CONTROL STATION (FCS)
	FIELD CONTROL STATION (FCS)
	SAFETY CONTROL STATION (SCS)
	ELECTRICAL MONITORING & CONTROL STATION (EMCS)
	MANAGED SWITCH 16 PORT
	WORKSTATION
	PRINTER

ACRONYMS	DESCRIPTION
AVSVR	ANTI VIRUS SERVER
BCKSVR	BACKUP SERVER
CIP	COLLABORATIVE INFORMATION PORTAL
CIPO	COLLABORATIVE INFORMATION PORTAL
CIPOSVR	COLLABORATIVE INFORMATION PORTAL SERVER
CISVR	COLLABORATIVE INFORMATION SERVER
CNSW	CONTROL NETWORK SWITCH
CRPRT	COLOUR PRINTER
DCSVR	DOMAIN CONTROLLER SERVER
DMZSW	DE-MILITARIZED ZONE SWITCH
EWS	ENGINEERING WORK STATION
FCS	FIELD CONTROL STATION
FOPP	FIBER OPTIC PATCH PANEL
FW	FIREWALL
IAMSCLT	INSTRUMENT ASSET MANAGEMENT SYSTEM CLIENT
IAMSSVR	INSTRUMENT ASSET MANAGEMENT SYSTEM SERVER
L2	LAYER 2
NMSVR	NETWORK MANAGEMENT SERVER
NU	NODE UNIT
PIN	PLANT INFORMATION NETWORK
PINSW	PIN SWITCH
SCS	SAFETY CONTROL STATION
SERVFW	SERVER FIREWALL
SERVSW	SERVER SWITCH
SNSW	SAFETY NETWORK SWITCH
SVR	SERVER
SW	SWITCH
TMSVR	TIME SERVER
WSUSSVR	WINDOWS SECURITY UPDATE SERVICES SERVER
REWSSVR	REMOTE ENGINEERING WORKSTATION

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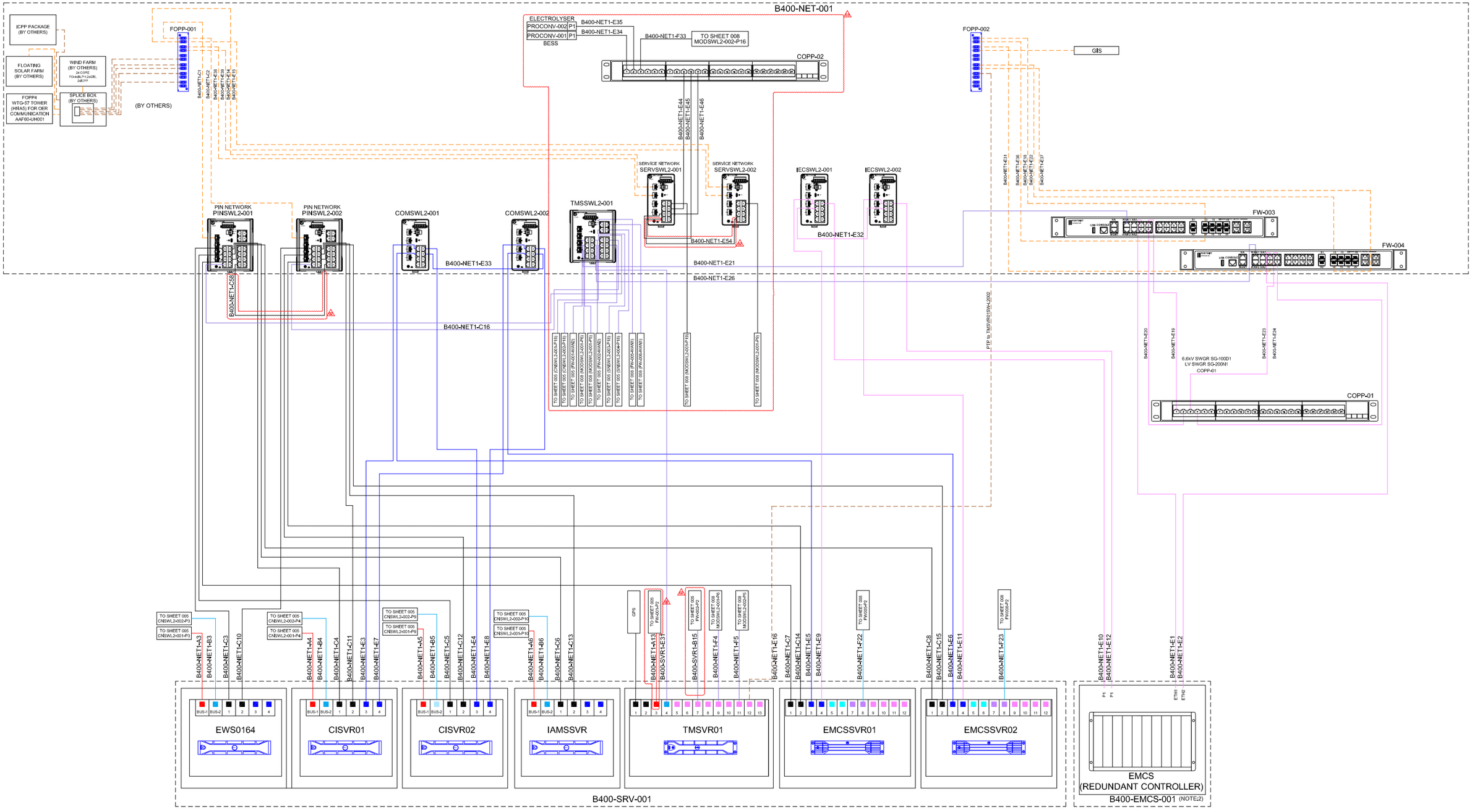
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NETWORK CONNECTION DIAGRAM (1 of 2) - ITER AREA



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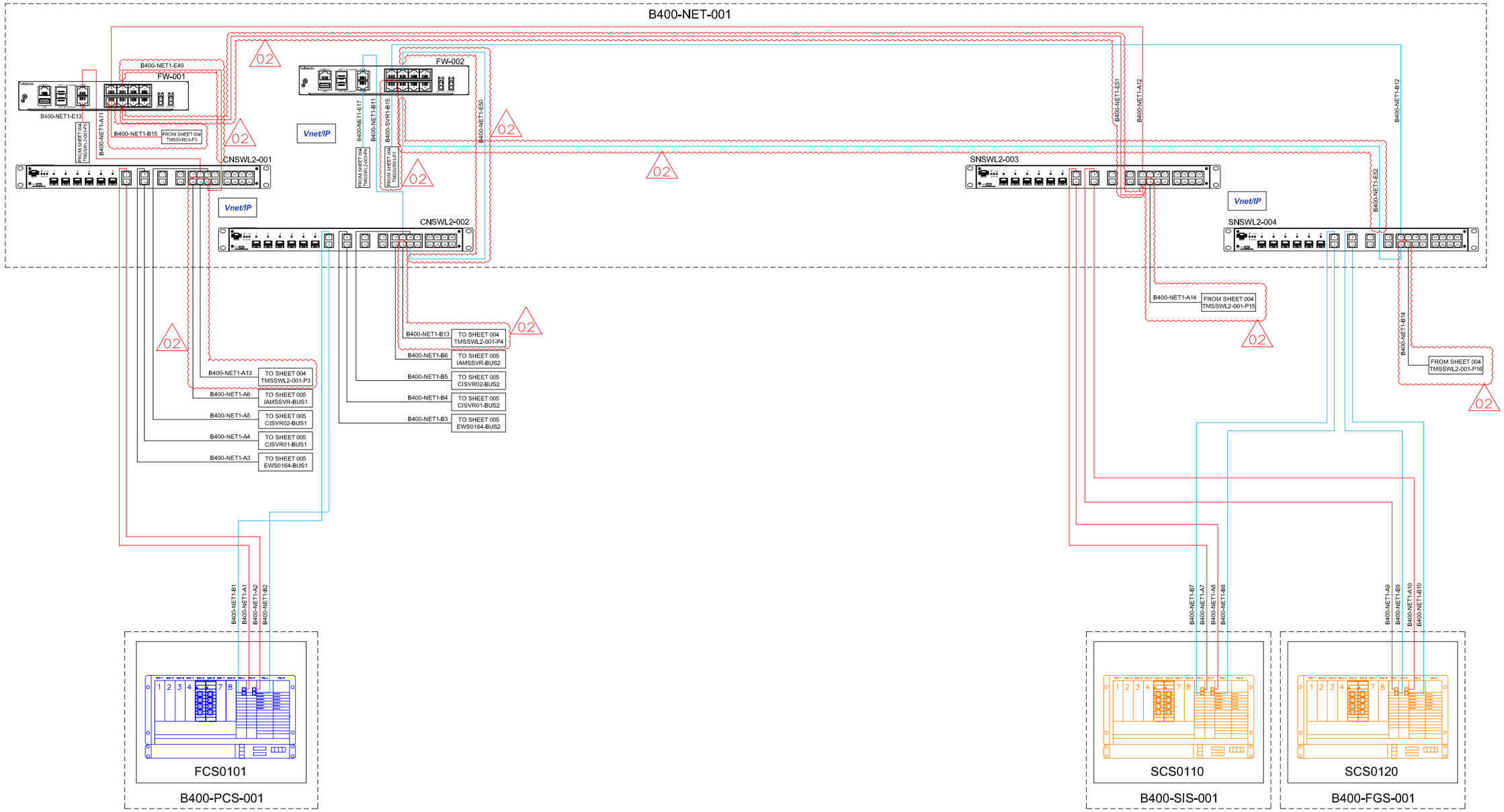
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REV. 03

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NETWORK CONNECTION DIAGRAM (2 of 2) - ITER AREA



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NETWORK CONNECTION DIAGRAM
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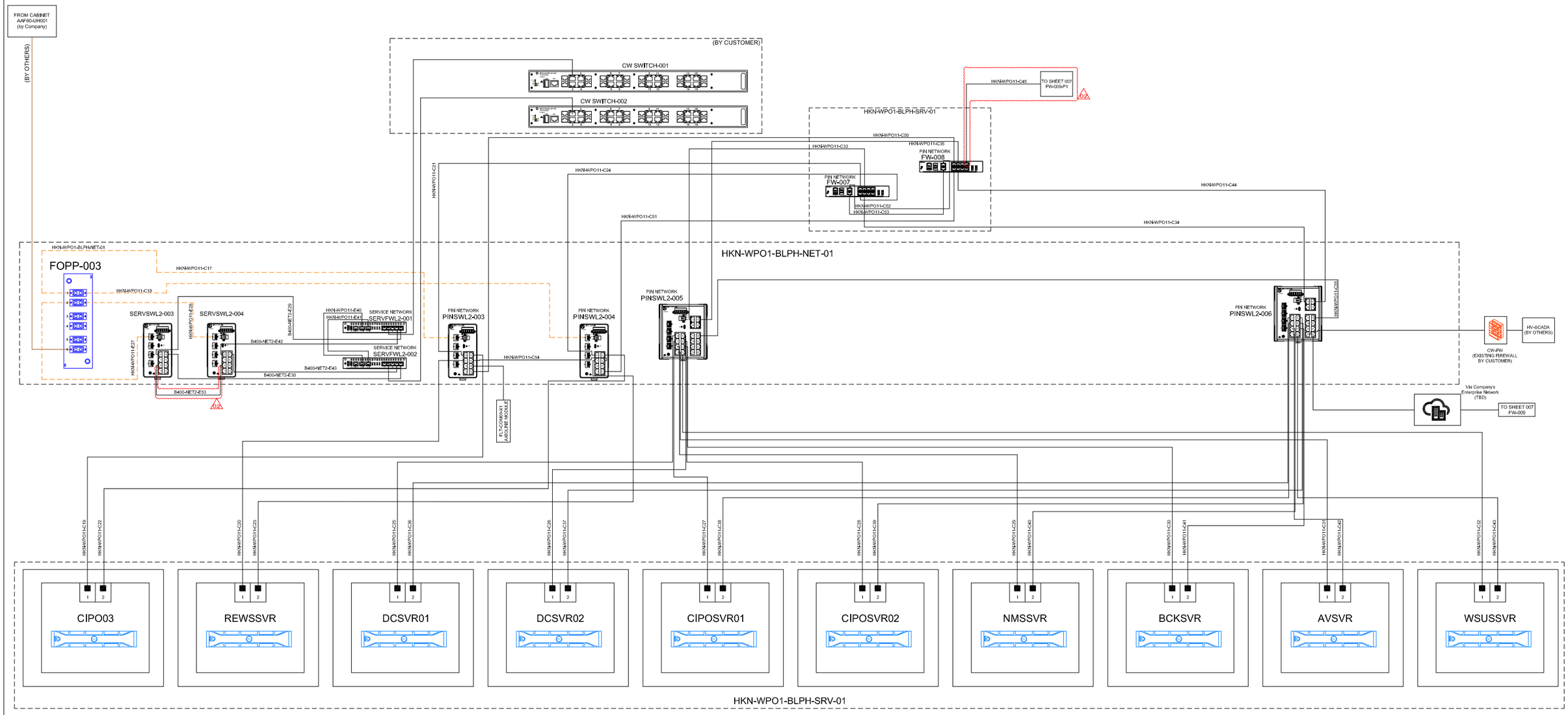
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REV. 02

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NETWORK CONNECTION DIAGRAM - OER AREA



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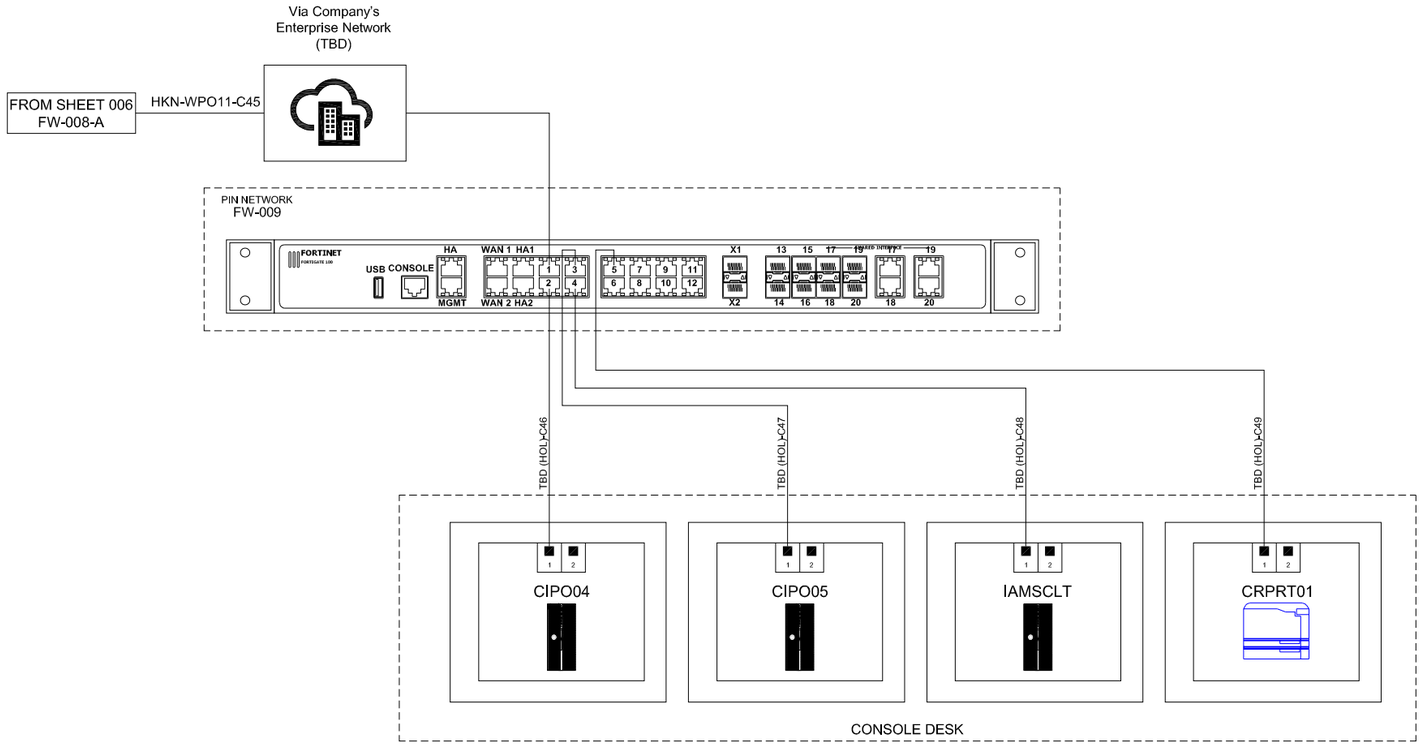
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REV. 02

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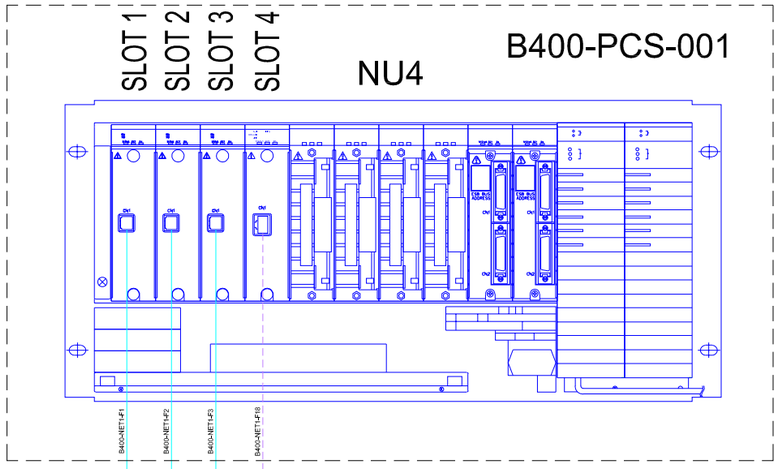
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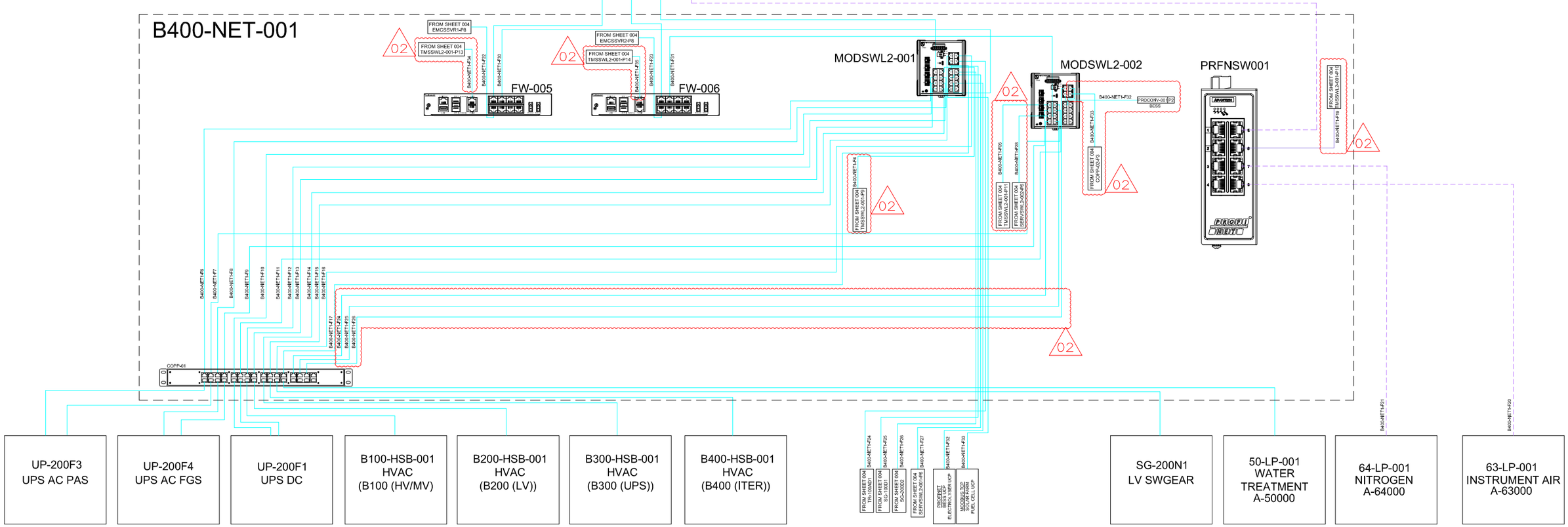
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THIRD PARTY SYSTEM INTERFACE





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SHEET 008

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